

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081619\
 Data File : BF116309.D
 Acq On : 16 Aug 2019 9:17
 Operator : HP/JU
 Sample : PB122249BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB122249BS

Quant Time: Aug 16 11:48:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	124478	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	515283	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	274070	20.00	ng	-0.04
64) Phenanthrene-d10	11.34	188	469657	20.00	ng	-0.03
76) Chrysene-d12	13.98	240	329723	20.00	ng	-0.03
87) Perylene-d12	15.44	264	272322	20.00	ng	-0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	893640	120.18	ng	-0.01
7) Phenol-d6	6.46	99	1081954	115.33	ng	-0.02
23) Nitrobenzene-d5	7.39	82	714688	80.06	ng	-0.03
42) 2,4,6-Tribromophenol	10.64	330	301320	113.40	ng	-0.03
45) 2-Fluorobiphenyl	9.17	172	1215060	83.04	ng	-0.03
79) Terphenyl-d14	12.92	244	1346036	86.02	ng	-0.04

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.66	88	156197	41.581	ng	97
3) Pyridine	3.41	79	360398	34.345	ng	99
4) n-Nitrosodimethylamine	3.36	42	164632	39.756	ng	99
6) Aniline	6.49	93	401304	29.869	ng	# 86
8) 2-Chlorophenol	6.61	128	377869	45.956	ng	98
9) Benzaldehyde	6.38	77	127223	19.654	ng	98
10) Phenol	6.48	94	474828	42.980	ng	98
11) bis(2-Chloroethyl)ether	6.56	93	360961	44.441	ng	100
12) 1,3-Dichlorobenzene	6.76	146	401445	42.246	ng	100
13) 1,4-Dichlorobenzene	6.83	146	411396	43.238	ng	99
14) 1,2-Dichlorobenzene	6.99	146	376323	42.955	ng	98
15) Benzyl Alcohol	6.97	79	297977	41.853	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.09	45	473548	42.744	ng	83
17) 2-Methylphenol	7.08	107	310757	44.634	ng	97
18) Hexachloroethane	7.32	117	148464	42.381	ng	97
19) n-Nitroso-di-n-propylamine	7.23	70	255191	43.897	ng	97
20) 3+4-Methylphenols	7.23	107	388266	47.125	ng	92
22) Acetophenone	7.23	105	508283	44.977	ng	96
24) Nitrobenzene	7.40	77	420481	43.623	ng	99
25) Isophorone	7.64	82	755211	44.244	ng	98
26) 2-Nitrophenol	7.72	139	205168	45.156	ng	97
27) 2,4-Dimethylphenol	7.76	122	330566	48.358	ng	99
28) bis(2-Chloroethoxy)methane	7.85	93	464562	43.910	ng	100
29) 2,4-Dichlorophenol	7.97	162	326272	45.205	ng	99
30) 1,2,4-Trichlorobenzene	8.04	180	348687	42.381	ng	99
31) Naphthalene	8.12	128	1075638	44.360	ng	99
32) Benzoic acid	7.92	122	193804	40.213	ng	96
33) 4-Chloroaniline	8.17	127	300203	27.709	ng	99
34) Hexachlorobutadiene	8.23	225	196574	41.480	ng	99
35) Caprolactam	8.55	113	51188	21.928	ng	97
36) 4-Chloro-3-methylphenol	8.66	107	335694	44.708	ng	99
37) 2-Methylnaphthalene	8.81	142	716890	44.891	ng	99
38) 1-Methylnaphthalene	8.91	142	666498	44.116	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.98	216	330016	45.041	ng	100

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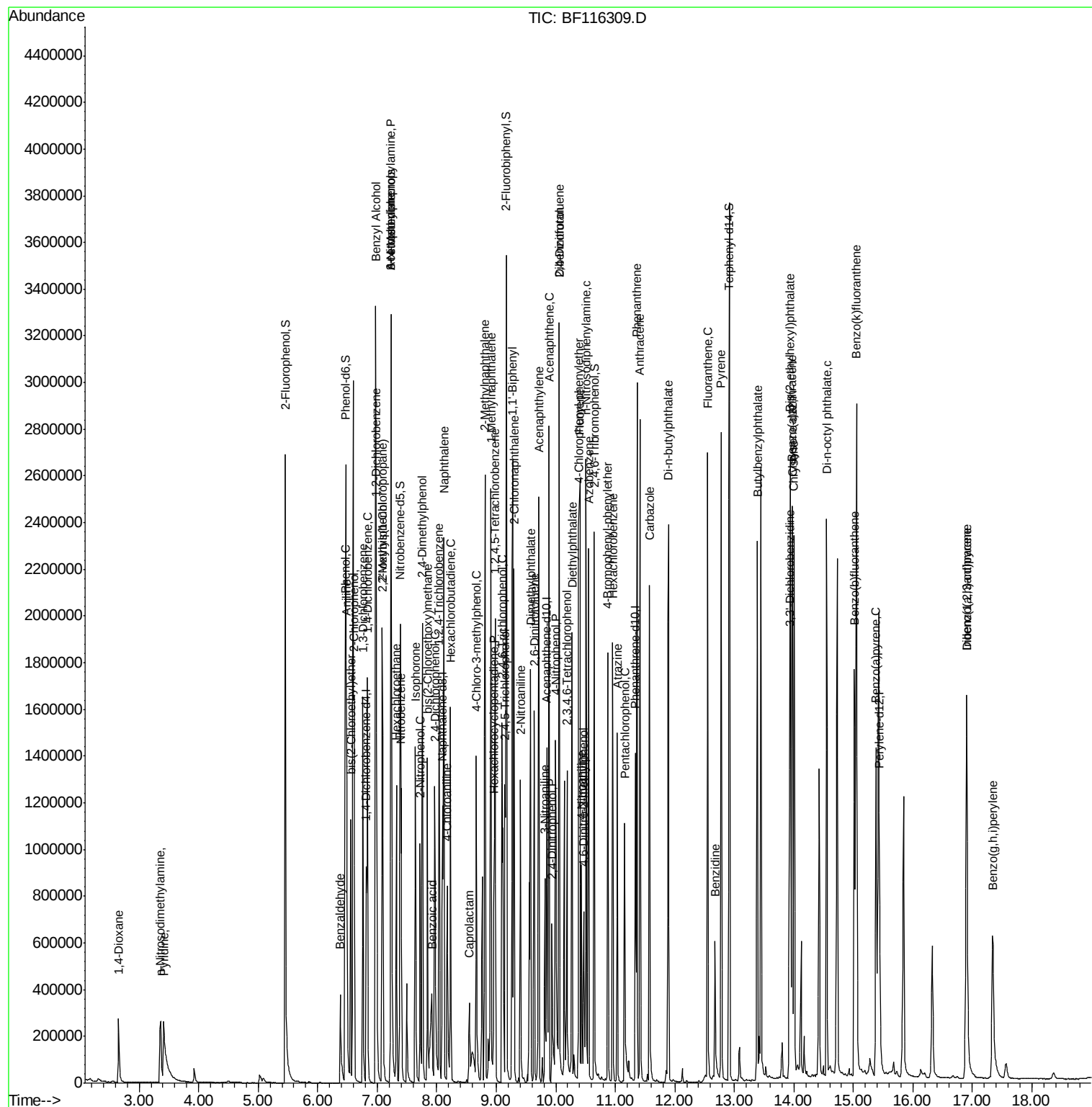
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.96	237	135192	43.980	ng	99
43) 2,4,6-Trichlorophenol	9.10	196	207799	41.203	ng	98
44) 2,4,5-Trichlorophenol	9.15	196	219906	42.182	ng	99
46) 1,1'-Biphenyl	9.27	154	874448	45.193	ng	97
47) 2-Chloronaphthalene	9.30	162	683848	42.464	ng	99
48) 2-Nitroaniline	9.40	65	216100	40.597	ng	96
49) Acenaphthylene	9.72	152	1008196	42.912	ng	99
50) Dimethylphthalate	9.57	163	788600	42.259	ng	100
51) 2,6-Dinitrotoluene	9.65	165	175498	43.275	ng	97
52) Acenaphthene	9.89	154	620764	43.068	ng	99
53) 3-Nitroaniline	9.82	138	150709	30.076	ng	100
54) 2,4-Dinitrophenol	9.94	184	124106	62.106	ng	93
55) Dibenzofuran	10.06	168	876526	41.817	ng	98
56) 4-Nitrophenol	10.00	139	214597	66.852	ng	91
57) 2,4-Dinitrotoluene	10.06	165	217501	40.282	ng	93
58) Fluorene	10.40	166	721356	44.730	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.19	232	187175	42.676	ng	98
60) Diethylphthalate	10.27	149	760070	43.626	ng	99
61) 4-Chlorophenyl-phenylether	10.39	204	364604	44.641	ng	98
62) 4-Nitroaniline	10.44	138	173759	33.554	ng	96
63) Azobenzene	10.55	77	791974	44.195	ng	98
65) 4,6-Dinitro-2-methylphenol	10.47	198	108351	43.534	ng	90
66) n-Nitrosodiphenylamine	10.51	169	640827	45.332	ng	99
67) 4-Bromophenyl-phenylether	10.87	248	220988	43.954	ng	95
68) Hexachlorobenzene	10.96	284	246584	42.414	ng	95
69) Atrazine	11.04	200	196457	42.244	ng	98
70) Pentachlorophenol	11.16	266	188090	66.639	ng	97
71) Phenanthrene	11.36	178	1045708	43.553	ng	100
72) Anthracene	11.42	178	1090785	44.890	ng	99
73) Carbazole	11.57	167	975270	44.239	ng	99
74) Di-n-butylphthalate	11.89	149	1200214	46.670	ng	98
75) Fluoranthene	12.55	202	1112666	44.266	ng	98
77) Benzidine	12.67	184	289361	25.976	ng	97
78) Pyrene	12.78	202	1113085	44.783	ng	99
80) Butylbenzylphthalate	13.39	149	504127	47.949	ng	99
81) Benzo(a)anthracene	13.97	228	906987	43.037	ng	99
82) 3,3'-Dichlorobenzidine	13.93	252	292565	39.958	ng	99
83) Chrysene	14.01	228	902389	44.104	ng	99
84) Bis(2-ethylhexyl)phthalate	13.94	149	703016	51.456	ng	100
85) Di-n-octyl phthalate	14.55	149	1105403	50.938	ng	99
86) Indeno(1,2,3-cd)pyrene	16.90	276	765737	44.560	ng	99
88) Benzo(b)fluoranthene	15.02	252	848901	53.912	ng	99
89) Benzo(k)fluoranthene	15.04	252	705384	45.993	ng	98
90) Benzo(a)pyrene	15.38	252	760936	54.060	ng	99
91) Dibenzo(a,h)anthracene	16.90	278	661372	54.282	ng	99
92) Benzo(g,h,i)perylene	17.34	276	649362	54.268	ng	97

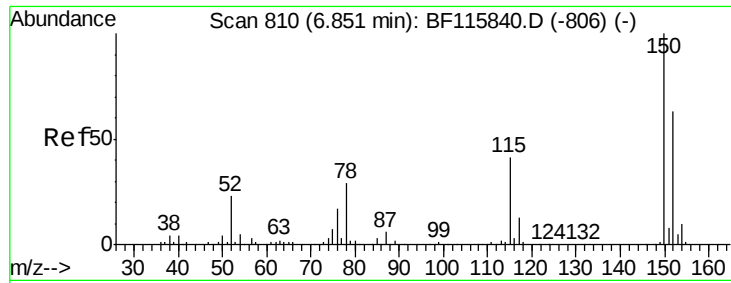
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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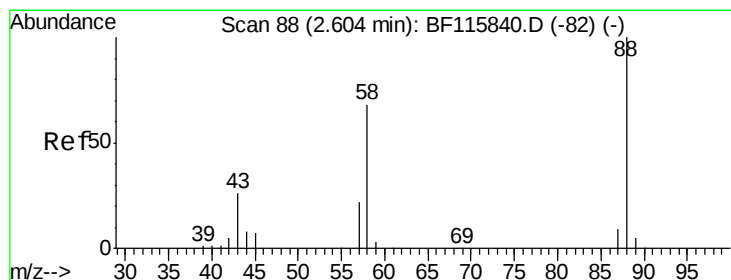
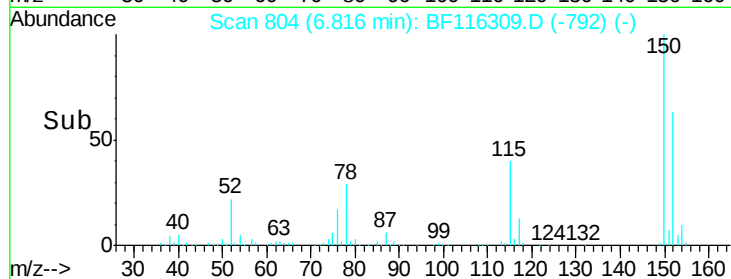
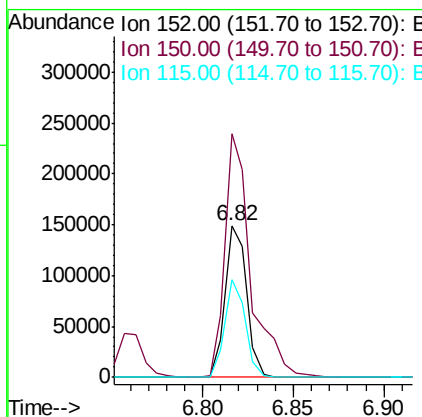
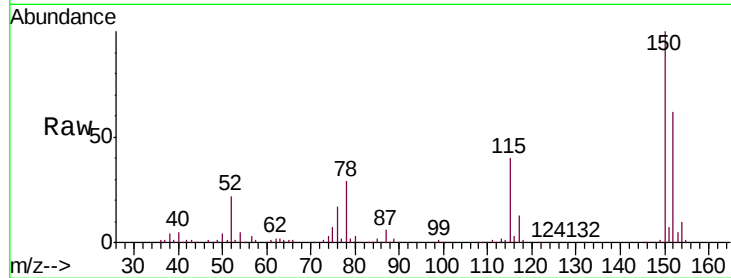


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.03 min
 Lab File: BF116309.D
 Acq: 16 Aug 2019 9:17

Instrument :
 BNA_F
 ClientSampleId :
 PB122249BS

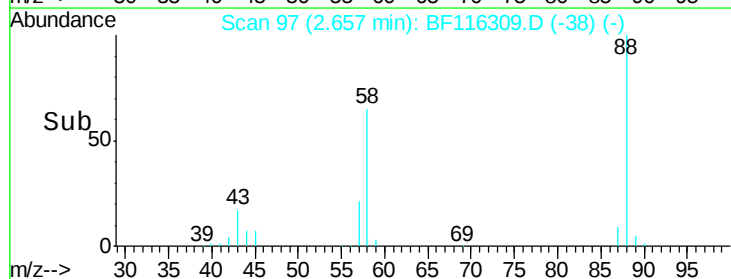
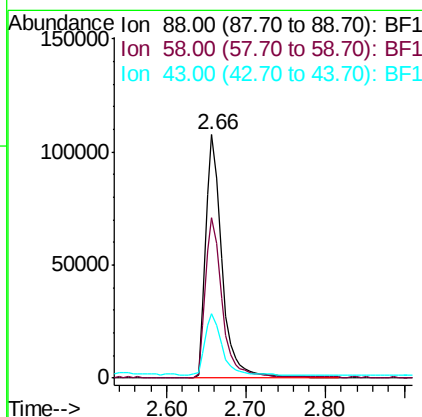
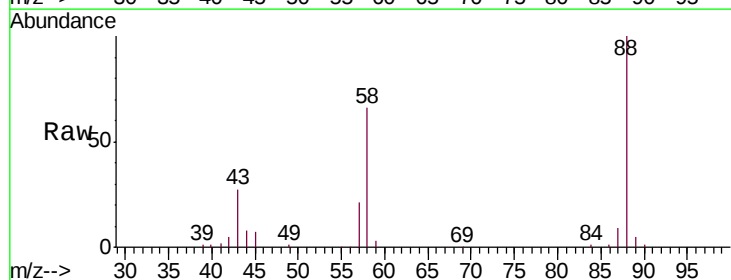
Tgt Ion: 152 Resp: 124478
 Ion Ratio Lower Upper
 152 100
 150 160.1 126.2 189.2
 115 64.4 49.9 74.9

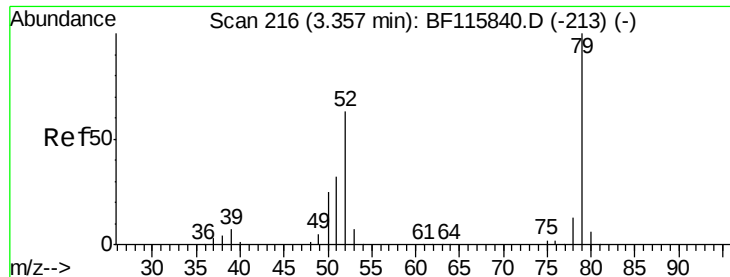


#2

1,4-Dioxane
 Concen: 41.581 ng
 RT: 2.66 min Scan# 97
 Delta R.T. 0.05 min
 Lab File: BF116309.D
 Acq: 16 Aug 2019 9:17

Tgt Ion: 88 Resp: 156197
 Ion Ratio Lower Upper
 88 100
 58 70.0 53.7 80.5
 43 25.8 21.0 31.4

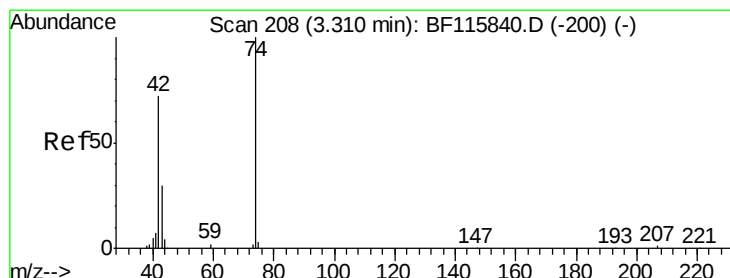
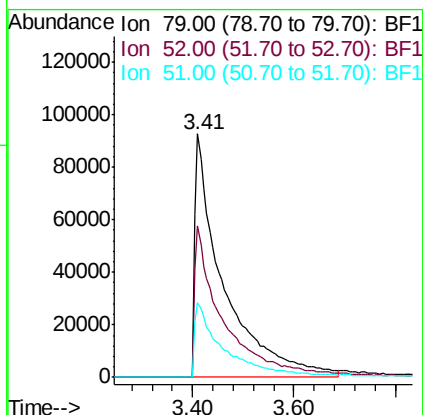
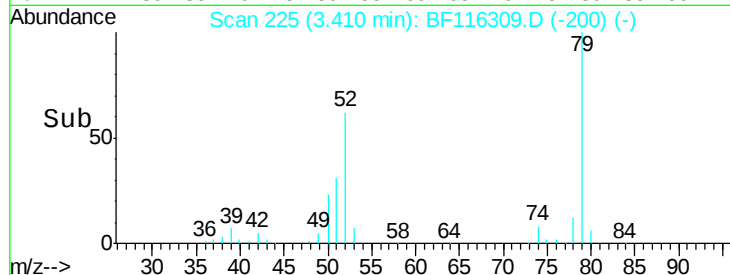
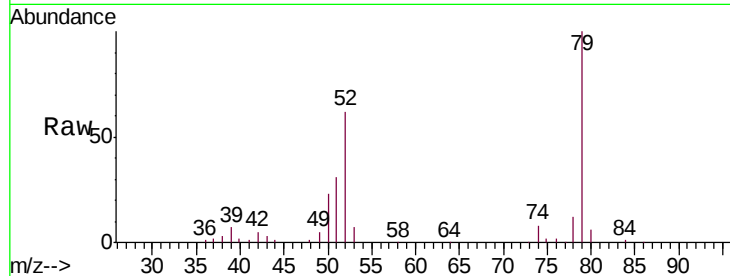




#3
 Pyridine
 Concen: 34.345 ng
 RT: 3.41 min Scan# 225
 Delta R.T. 0.05 min
 Lab File: BF116309.D
 Acq: 16 Aug 2019 9:17

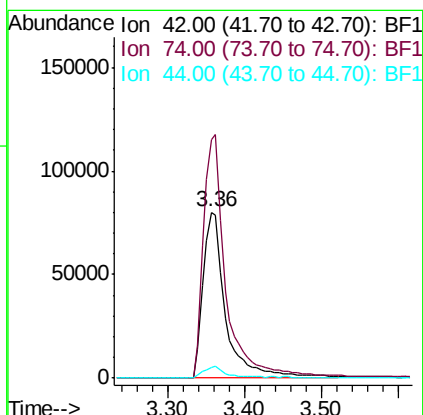
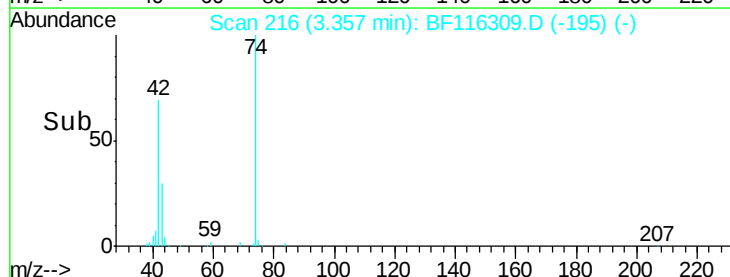
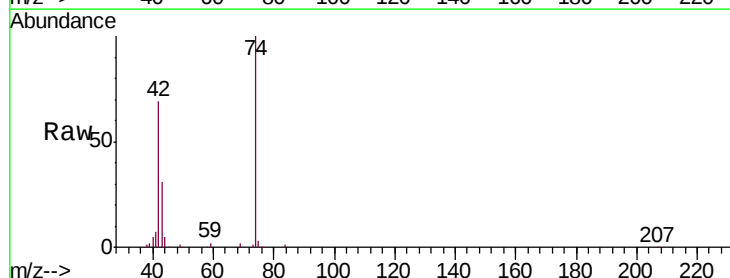
Instrument :
 BNA_F
 ClientSampleId :
 PB122249BS

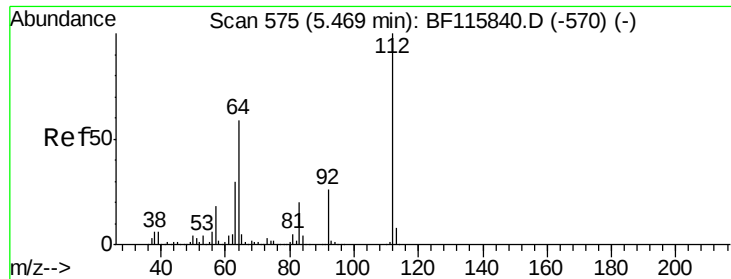
Tgt Ion: 79 Resp: 360398
 Ion Ratio Lower Upper
 79 100
 52 62.1 49.8 74.8
 51 30.8 25.2 37.8



#4
 n-Nitrosodimethylamine
 Concen: 39.756 ng
 RT: 3.36 min Scan# 216
 Delta R.T. 0.02 min
 Lab File: BF116309.D
 Acq: 16 Aug 2019 9:17

Tgt Ion: 42 Resp: 164632
 Ion Ratio Lower Upper
 42 100
 74 144.2 116.0 174.0
 44 6.6 4.6 7.0





#5

2-Fluorophenol

Concen: 120.183 ng

RT: 5.46 min Scan# 573

Delta R.T. -0.01 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

Instrument :

BNA_F

ClientSampleId :

PB122249BS

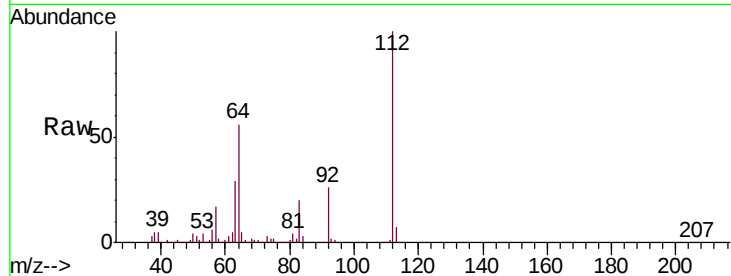
Tgt Ion: 112 Resp: 893640

Ion Ratio Lower Upper

112 100

64 56.1 45.4 68.2

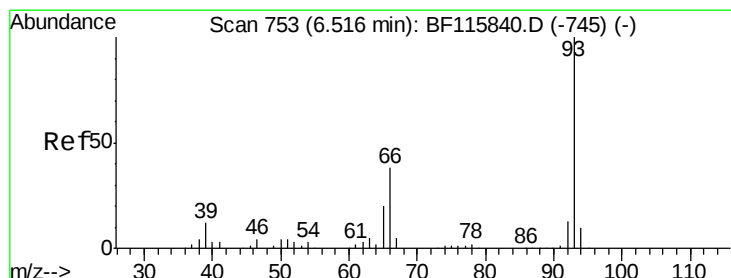
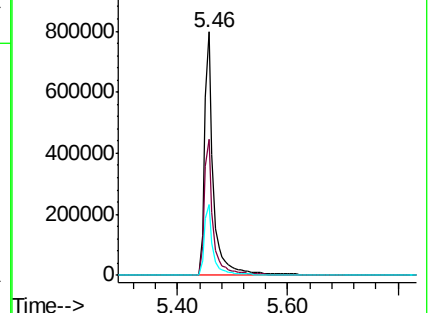
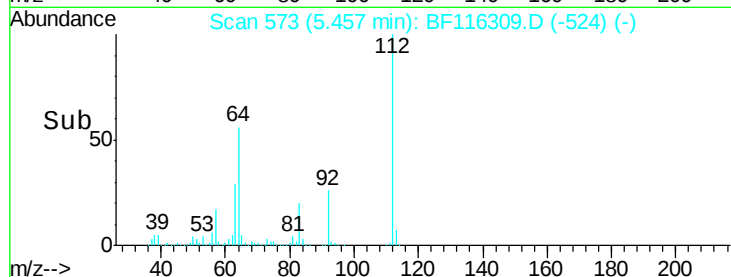
63 29.3 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 29.869 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.03 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

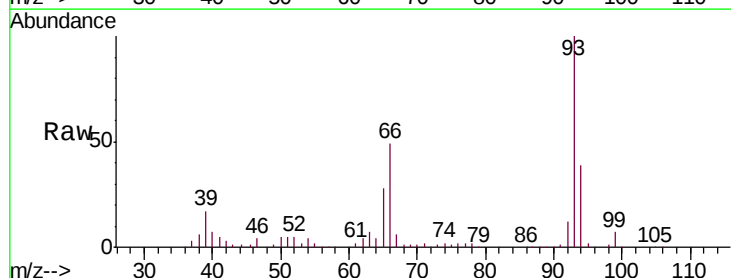
Tgt Ion: 93 Resp: 401304

Ion Ratio Lower Upper

93 100

66 49.3 32.2 48.4#

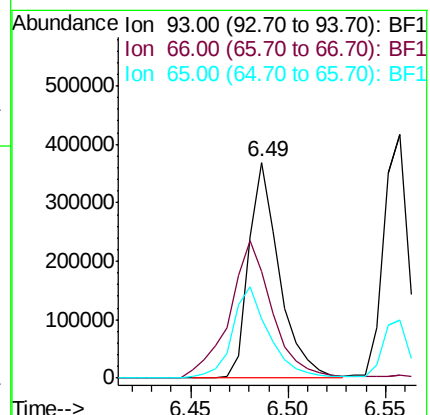
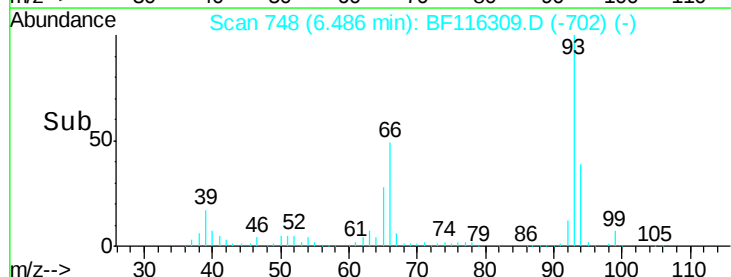
65 27.8 17.0 25.6#

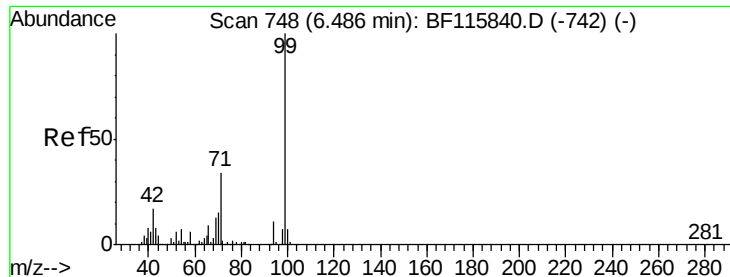


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 115.329 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.02 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

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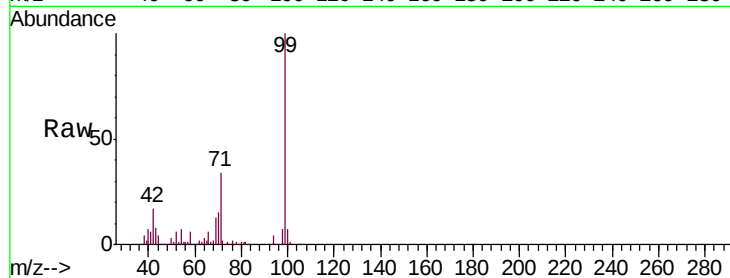
Tgt Ion: 99 Resp: 1081954

Ion Ratio Lower Upper

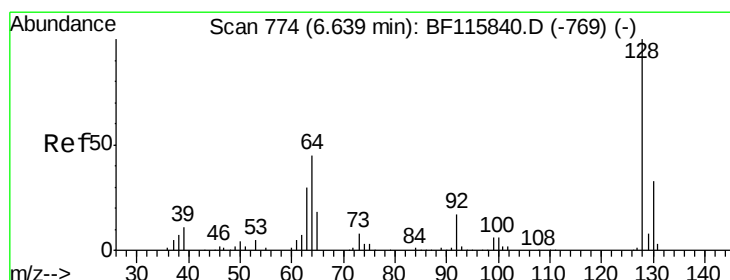
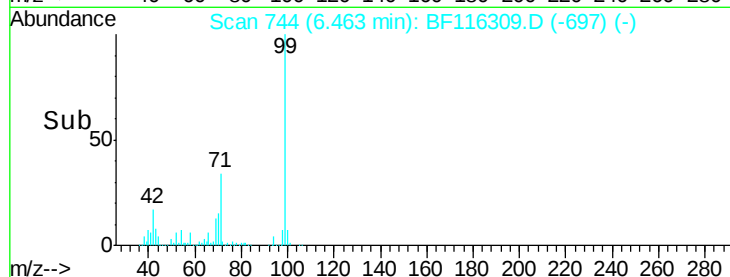
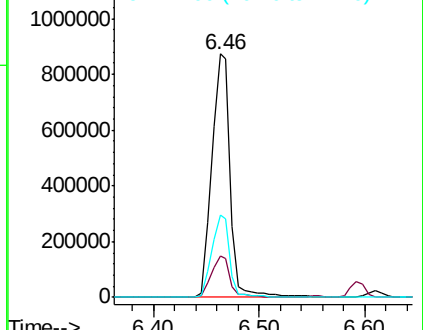
99 100

42 17.2 13.8 20.8

71 34.1 27.3 40.9



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 45.956 ng

RT: 6.61 min Scan# 769

Delta R.T. -0.03 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

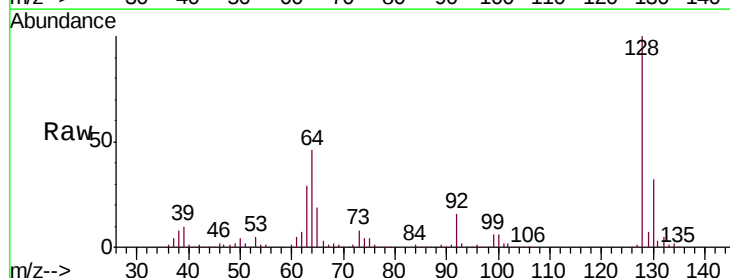
Tgt Ion: 128 Resp: 377869

Ion Ratio Lower Upper

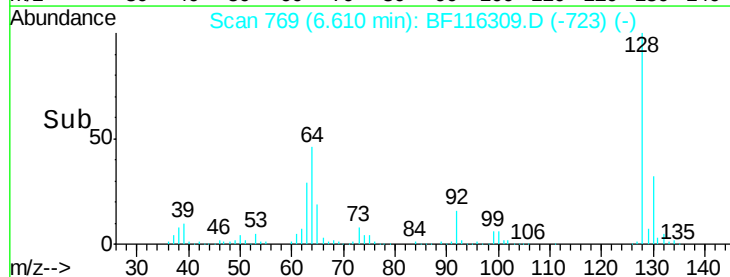
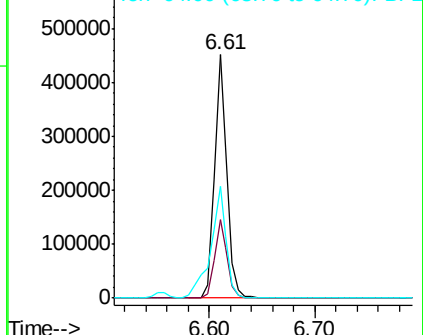
128 100

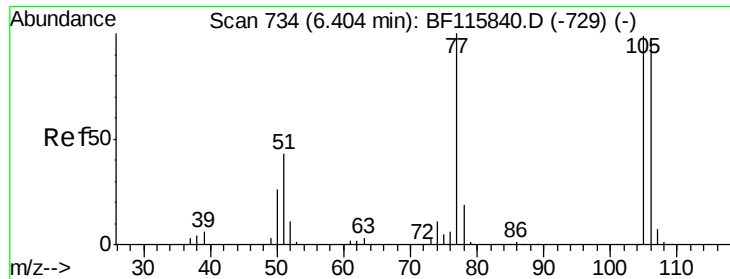
130 32.4 12.9 52.9

64 45.8 24.3 64.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 19.654 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.02 min

Lab File: BF116309.D

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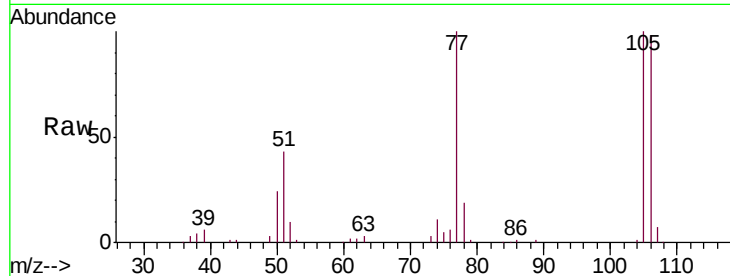
Tgt Ion: 77 Resp: 127223

Ion Ratio Lower Upper

77 100

105 99.9 79.2 119.2

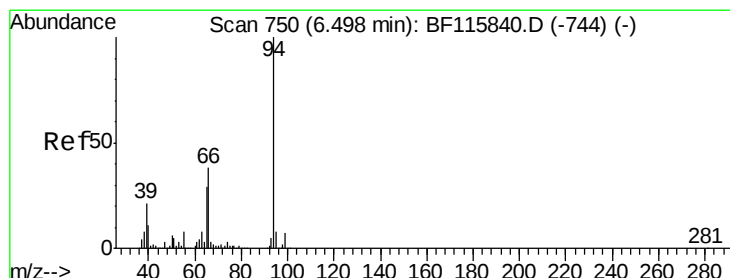
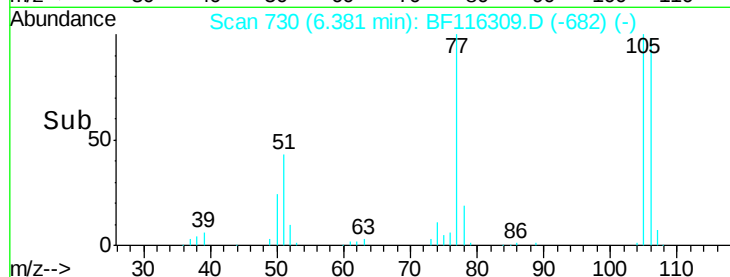
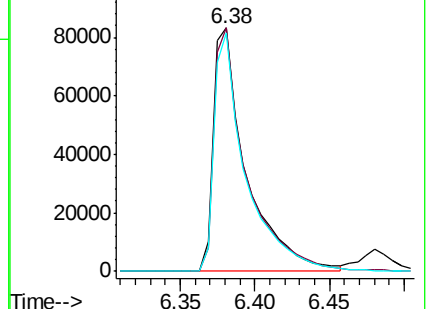
106 97.8 74.3 114.3



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 42.980 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.02 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

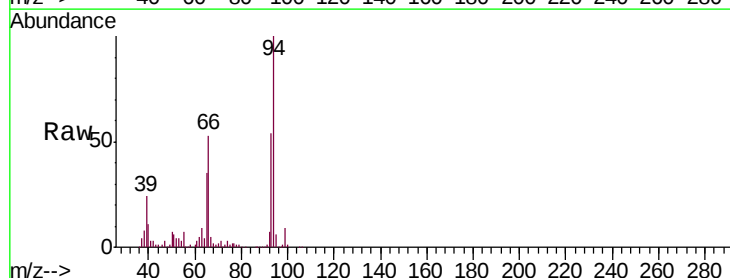
Tgt Ion: 94 Resp: 474828

Ion Ratio Lower Upper

94 100

65 35.2 16.8 56.8

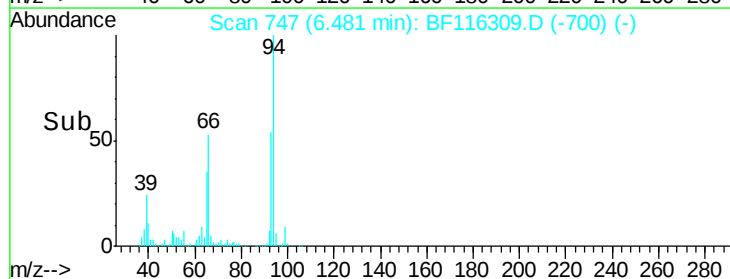
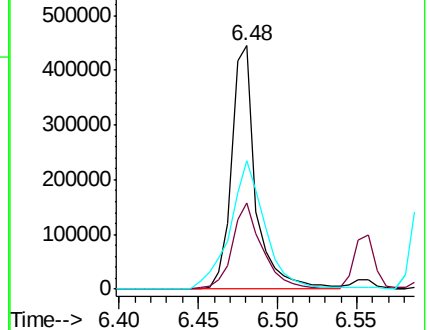
66 52.9 34.2 74.2

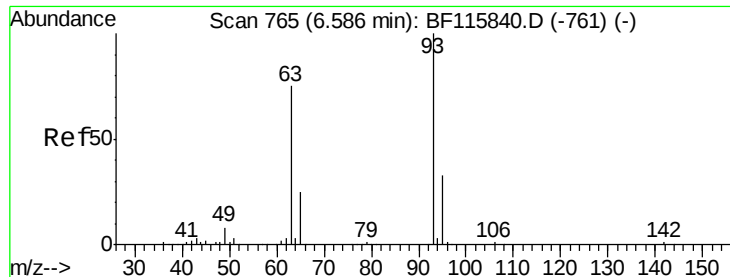


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

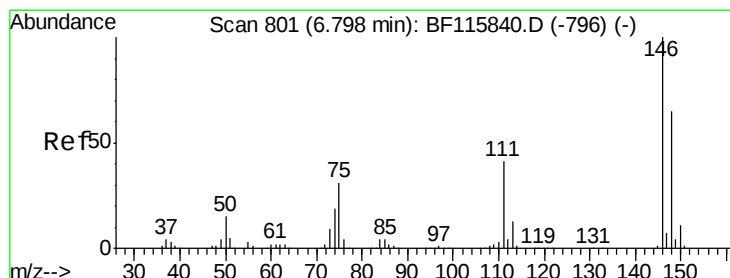
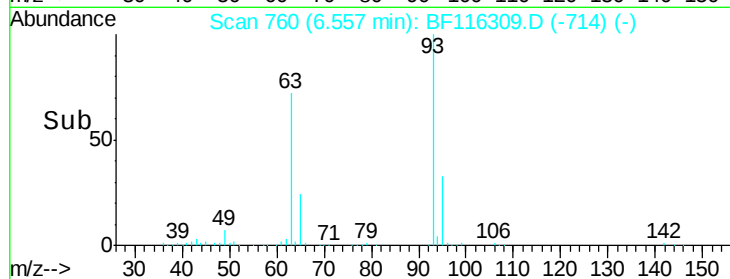
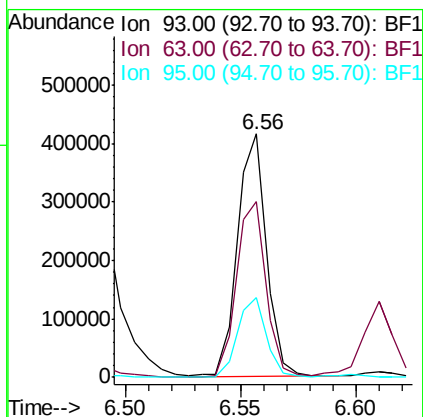
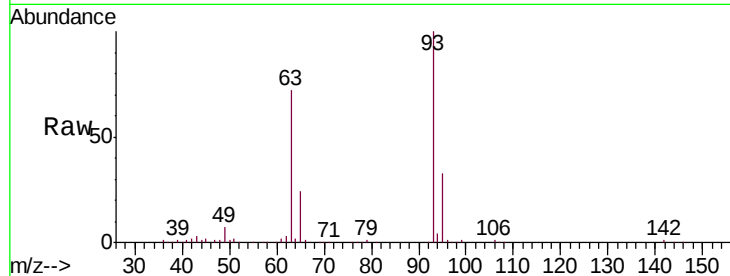




#11
 bis(2-Chloroethyl)ether
 Concen: 44.441 ng
 RT: 6.56 min Scan# 760
 Delta R.T. -0.03 min
 Lab File: BF116309.D
 Acq: 16 Aug 2019 9:17

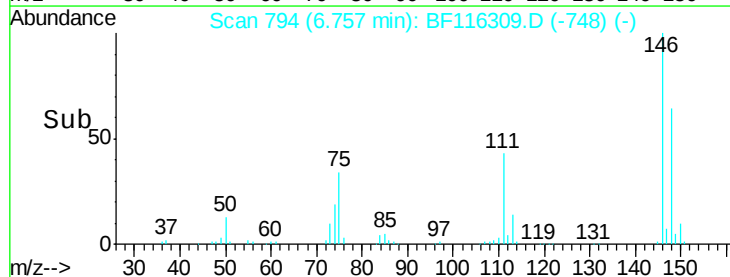
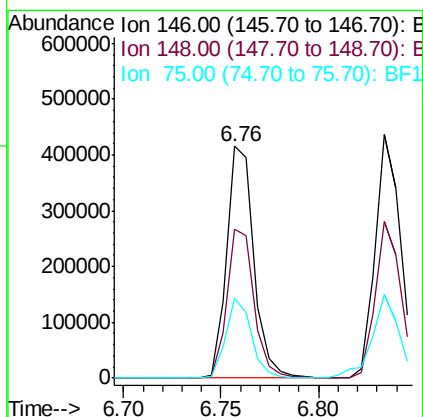
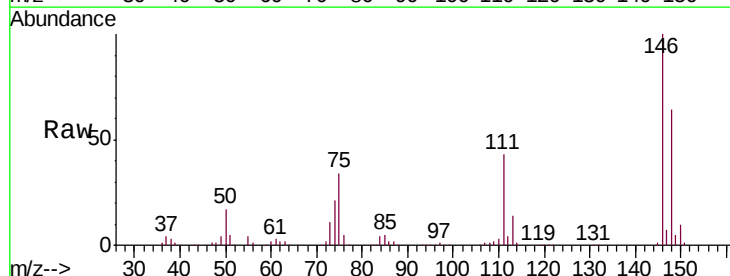
Instrument :
 BNA_F
 ClientSampled :
 PB122249BS

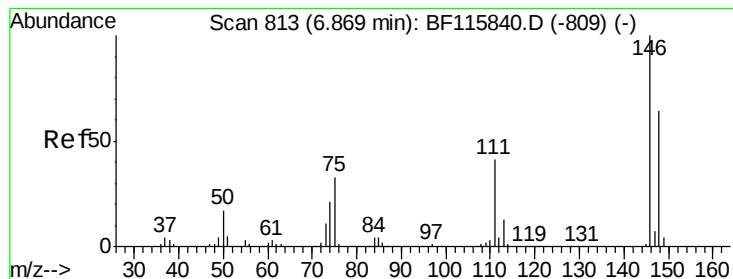
Tgt Ion: 93 Resp: 360961
 Ion Ratio Lower Upper
 93 100
 63 72.3 51.9 91.9
 95 33.0 13.0 53.0



#12
 1,3-Dichlorobenzene
 Concen: 42.246 ng
 RT: 6.76 min Scan# 794
 Delta R.T. -0.03 min
 Lab File: BF116309.D
 Acq: 16 Aug 2019 9:17

Tgt Ion: 146 Resp: 401445
 Ion Ratio Lower Upper
 146 100
 148 64.3 51.3 76.9
 75 34.4 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 43.238 ng

RT: 6.83 min Scan# 807

Delta R.T. -0.03 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

Instrument :

BNA_F

ClientSampled :

PB122249BS

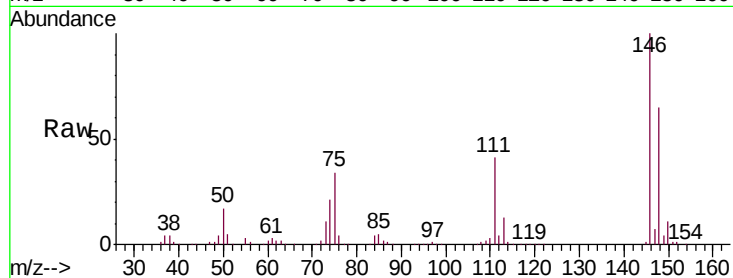
Tgt Ion:146 Resp: 411396

Ion Ratio Lower Upper

146 100

148 64.5 51.3 76.9

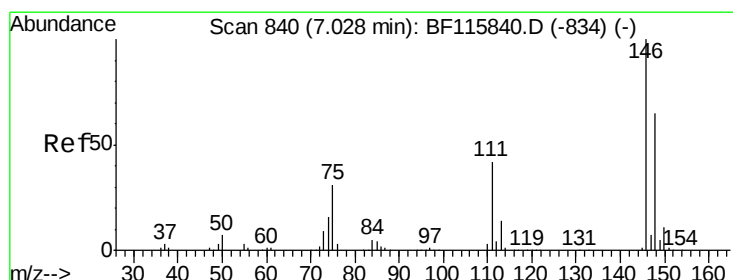
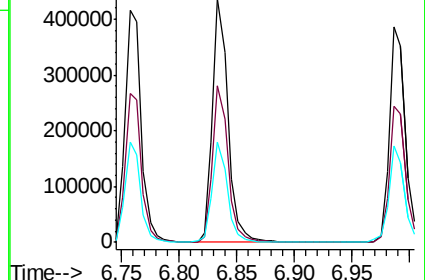
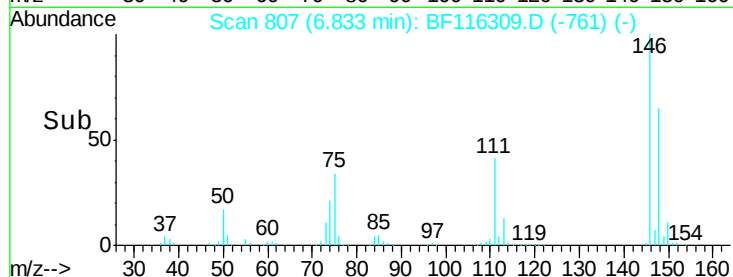
111 41.4 34.0 51.0



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 42.955 ng

RT: 6.99 min Scan# 833

Delta R.T. -0.04 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

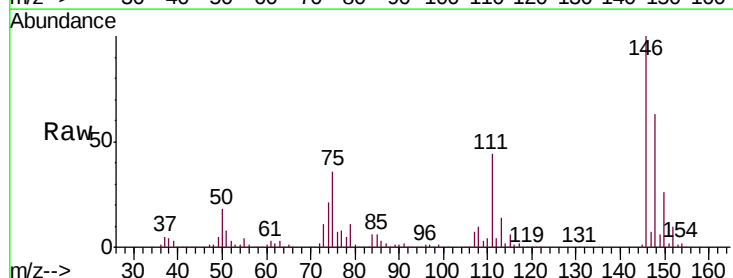
Tgt Ion:146 Resp: 376323

Ion Ratio Lower Upper

146 100

148 63.2 51.2 76.8

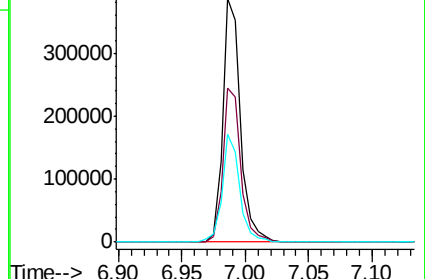
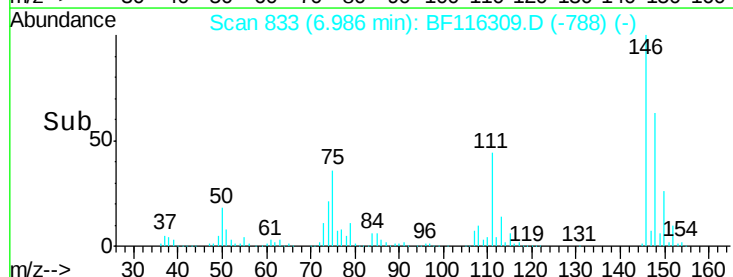
111 44.5 33.5 50.3

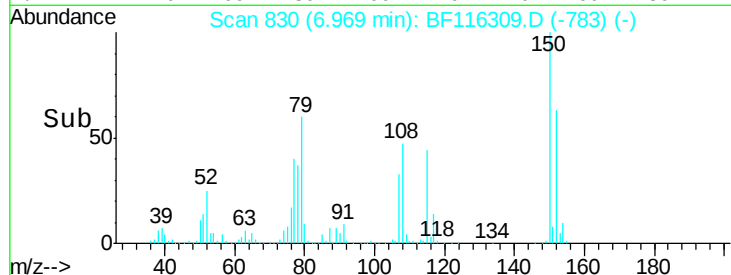
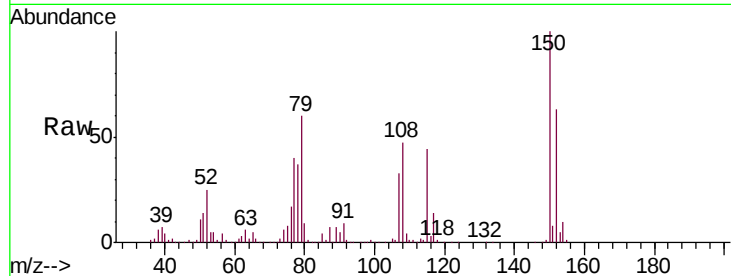
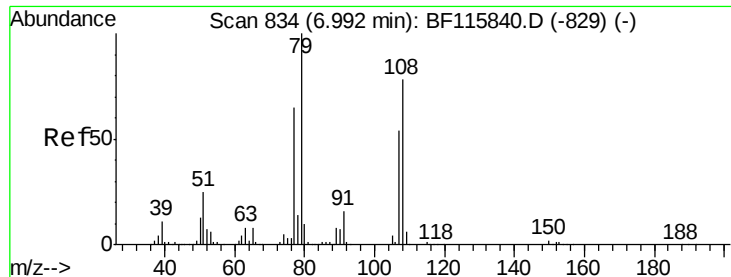


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 41.853 ng

RT: 6.97 min Scan# 830

Delta R.T. -0.02 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

Instrument :

BNA_F

ClientSampleId :

PB122249BS

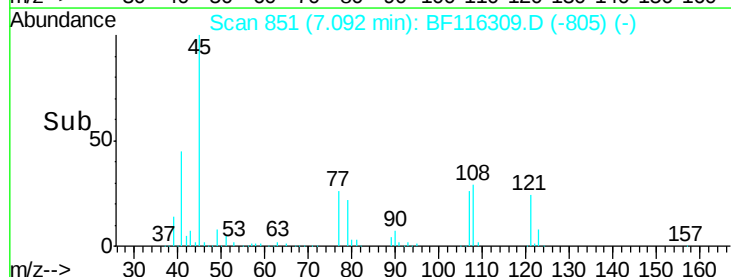
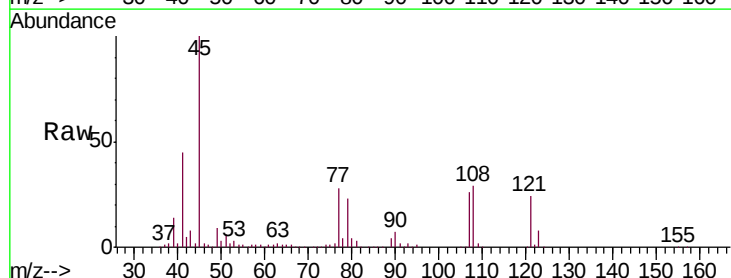
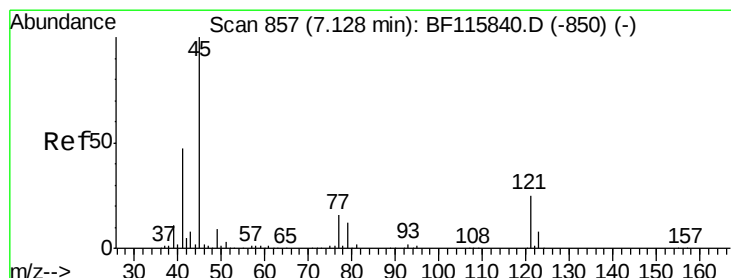
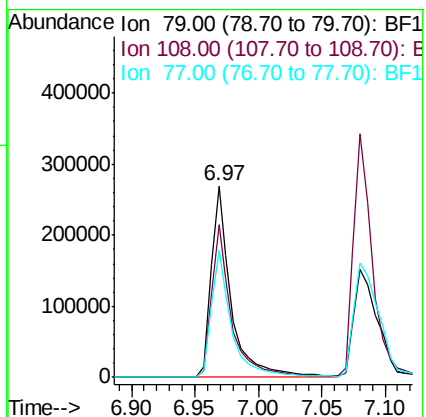
Tgt Ion: 79 Resp: 297977

Ion Ratio Lower Upper

79 100

108 79.7 62.7 94.1

77 66.6 52.2 78.2



#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.744 ng

RT: 7.09 min Scan# 851

Delta R.T. -0.03 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

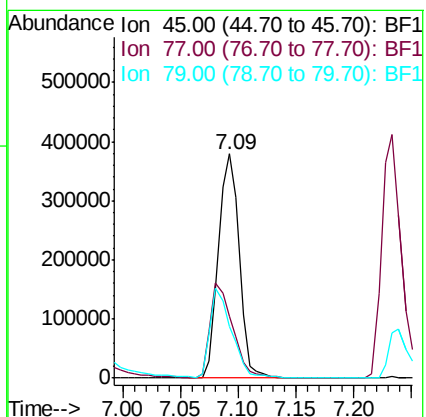
Tgt Ion: 45 Resp: 473548

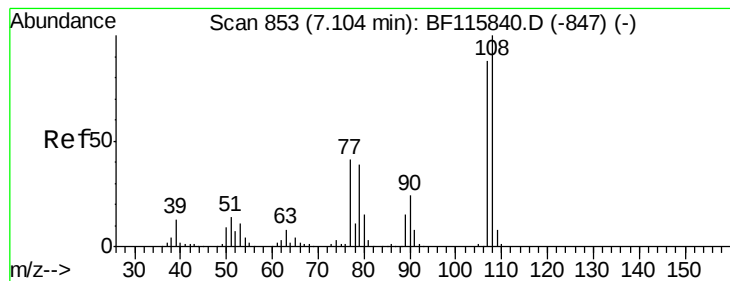
Ion Ratio Lower Upper

45 100

77 27.5 0.0 40.0

79 23.1 0.0 35.9





#17

2-Methylphenol

Concen: 44.634 ng

RT: 7.08 min Scan# 849

Delta R.T. -0.02 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

Instrument :

BNA_F

ClientSampleId :

PB122249BS

Tgt Ion:107 Resp: 310757

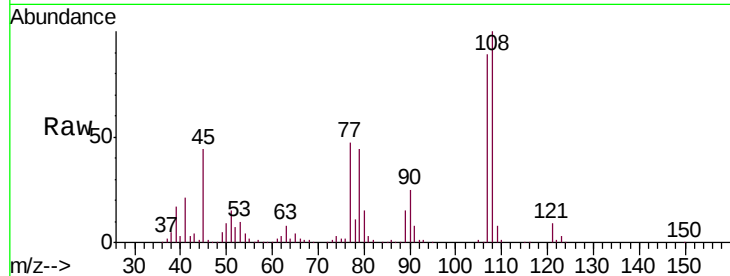
Ion Ratio Lower Upper

107 100

108 112.0 91.2 136.8

77 52.9 40.3 60.5

79 49.7 37.6 56.4

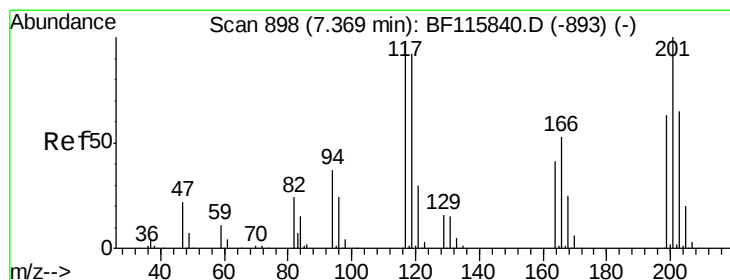
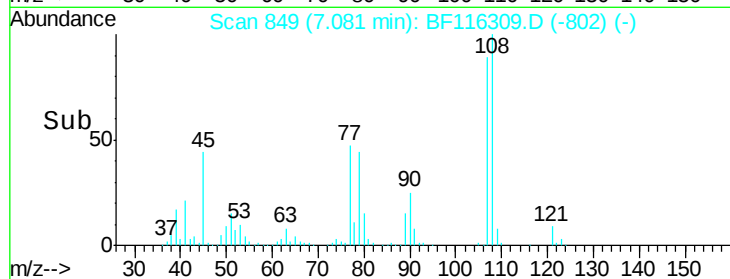
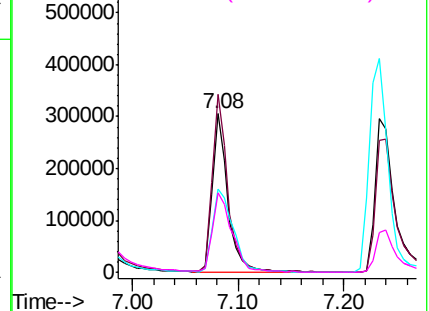


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 42.381 ng

RT: 7.32 min Scan# 890

Delta R.T. -0.04 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

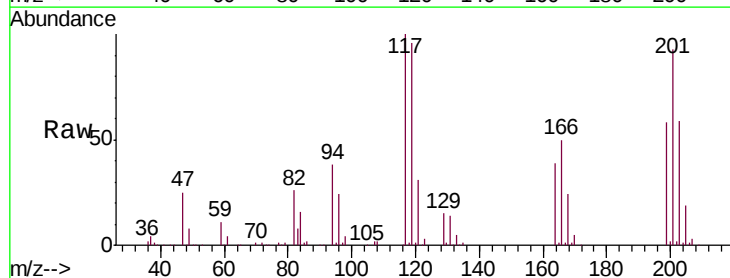
Tgt Ion:117 Resp: 148464

Ion Ratio Lower Upper

117 100

119 96.5 76.1 114.1

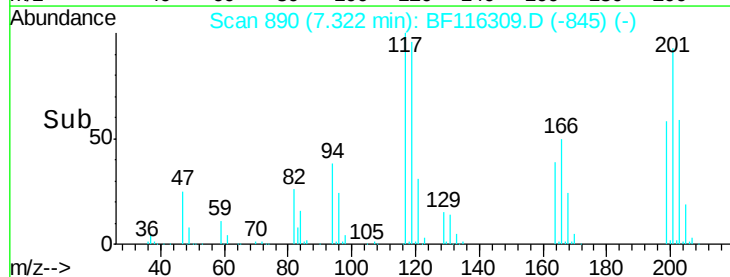
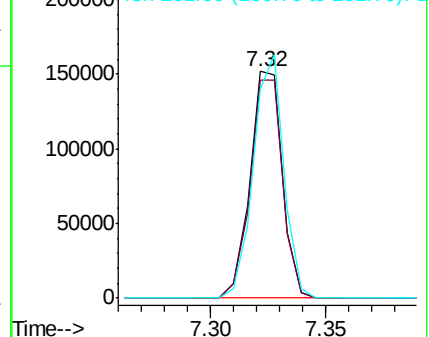
201 92.6 77.0 115.4

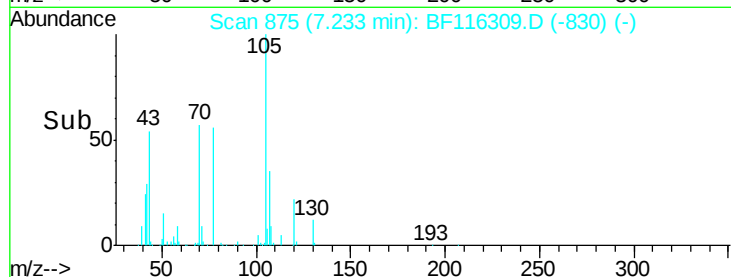
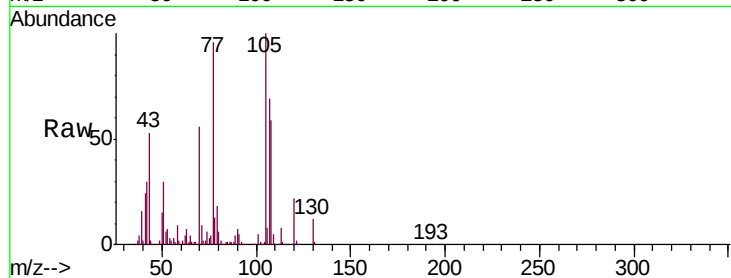
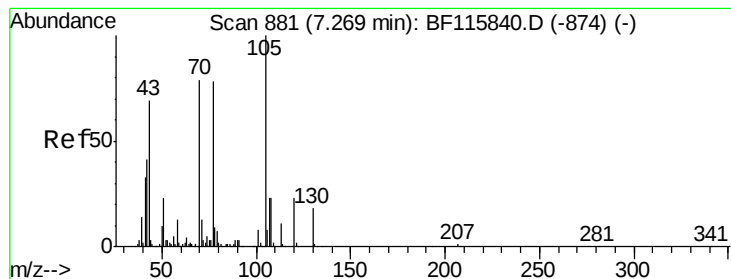


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 43.897 ng

RT: 7.23 min Scan# 875

Delta R.T. -0.04 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

Instrument :

BNA_F

ClientSampleId :

PB122249BS

Tgt Ion: 70 Resp: 255191

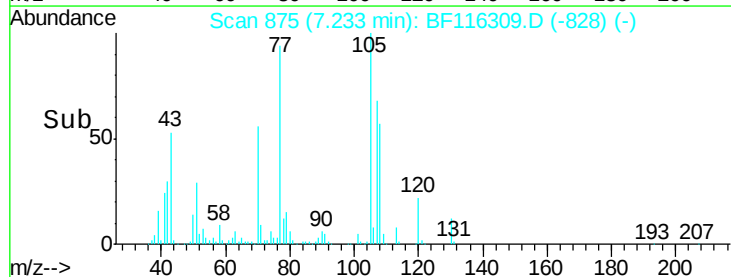
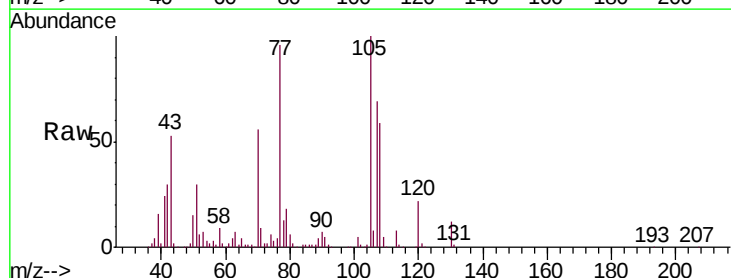
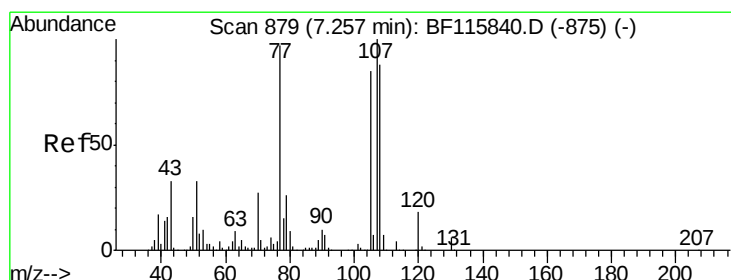
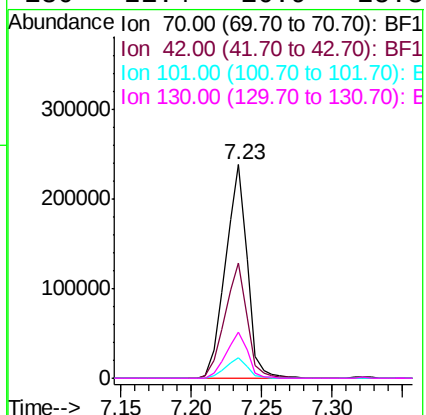
Ion Ratio Lower Upper

70 100

42 53.7 40.9 61.3

101 9.8 7.9 11.9

130 21.4 16.9 25.3



#20

3+4-Methylphenols

Concen: 47.125 ng

RT: 7.23 min Scan# 875

Delta R.T. -0.02 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

Tgt Ion: 107 Resp: 388266

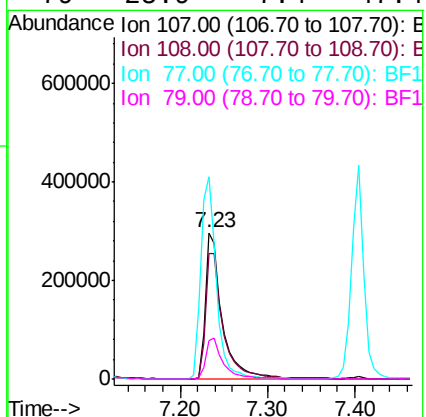
Ion Ratio Lower Upper

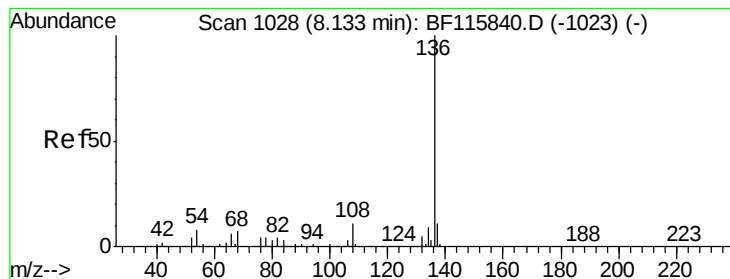
107 100

108 85.6 67.6 107.6

77 138.9 104.4 144.4

79 25.9 7.4 47.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.03 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

Instrument :

BNA_F

ClientSampleId :

PB122249BS

Tgt Ion:136 Resp: 515283

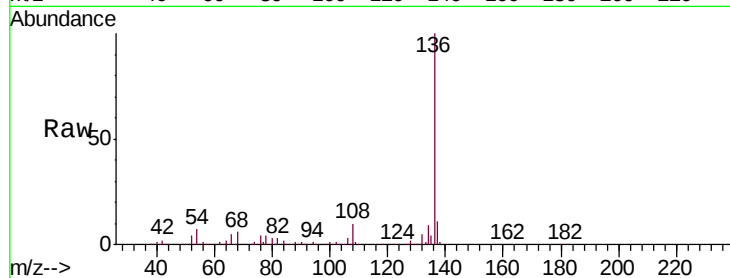
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 7.1 5.8 8.6

68 6.2 5.2 7.8

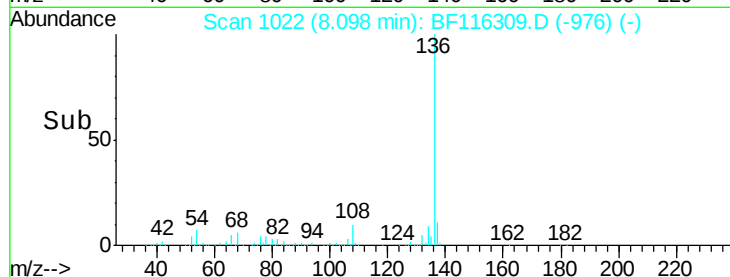


Abundance Ion 136.00 (135.70 to 136.70): E

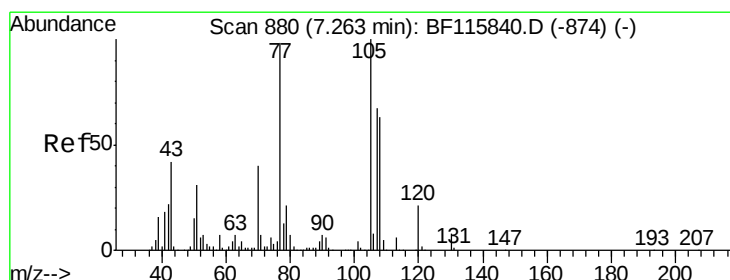
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#22

Acetophenone

Concen: 44.977 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.04 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

Tgt Ion:105 Resp: 508283

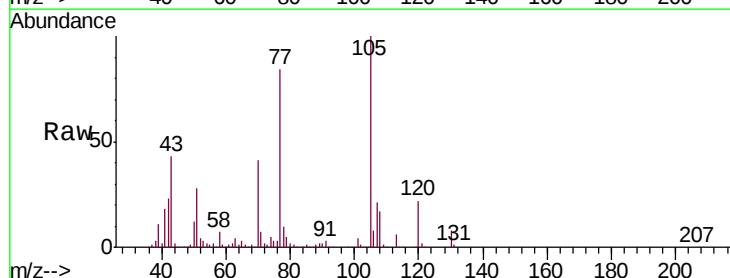
Ion Ratio Lower Upper

105 100

71 7.1 5.9 8.9

51 27.8 25.3 37.9

120 22.0 17.9 26.9

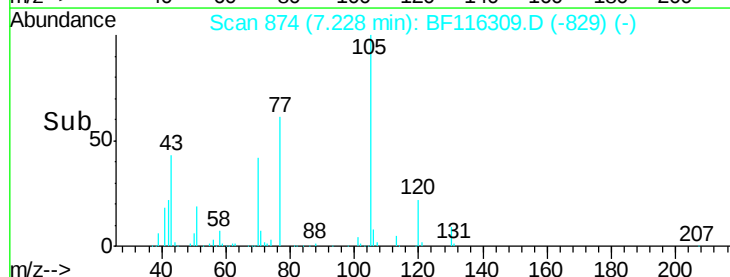


Abundance Ion 105.00 (104.70 to 105.70): E

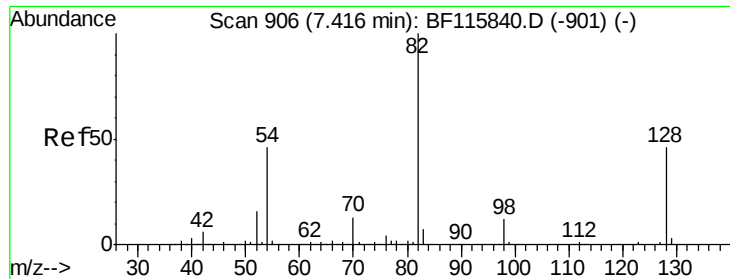
Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



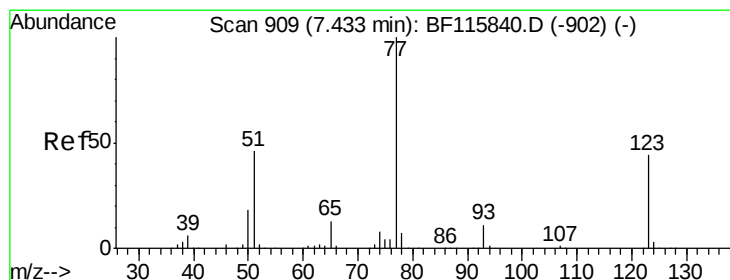
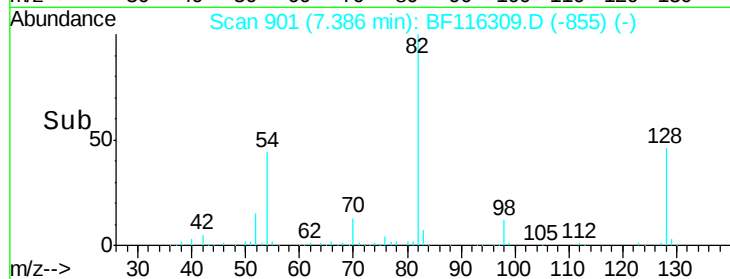
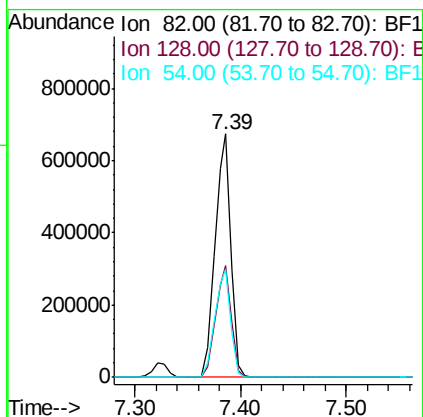
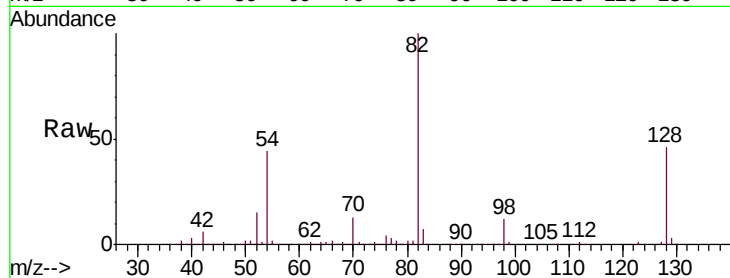
Time-->



#23
 Nitrobenzene-d5
 Concen: 80.061 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.03 min
 Lab File: BF116309.D
 Acq: 16 Aug 2019 9:17

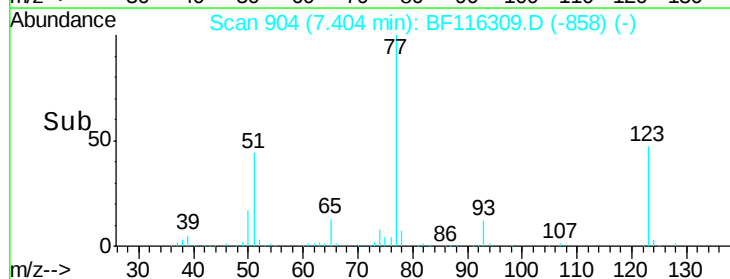
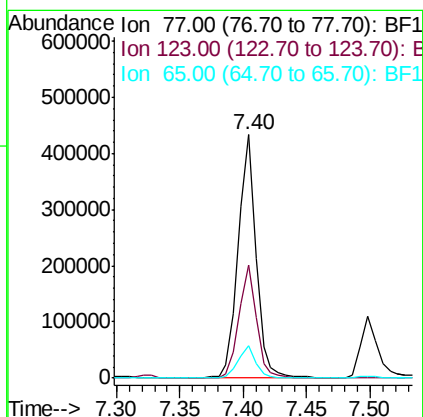
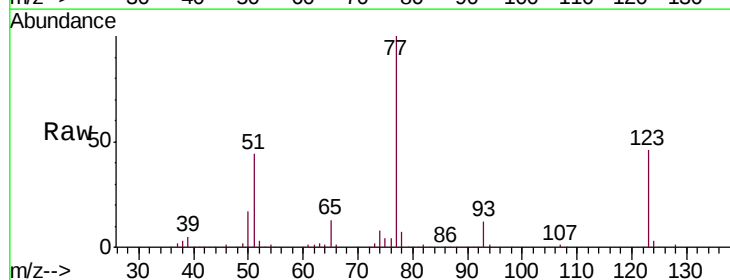
Instrument :
 BNA_F
 ClientSampleId :
 PB122249BS

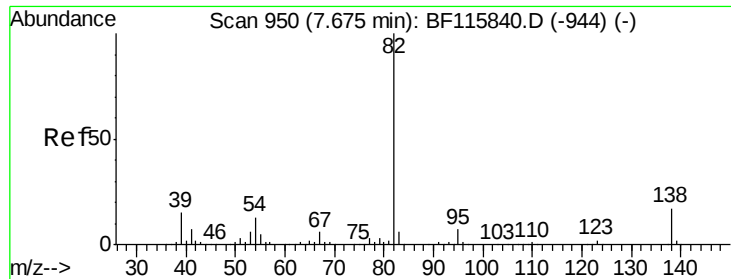
Tgt Ion: 82 Resp: 714688
 Ion Ratio Lower Upper
 82 100
 128 45.9 36.5 54.7
 54 44.3 36.0 54.0



#24
 Nitrobenzene
 Concen: 43.623 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.03 min
 Lab File: BF116309.D
 Acq: 16 Aug 2019 9:17

Tgt Ion: 77 Resp: 420481
 Ion Ratio Lower Upper
 77 100
 123 46.4 36.7 55.1
 65 13.3 10.6 16.0

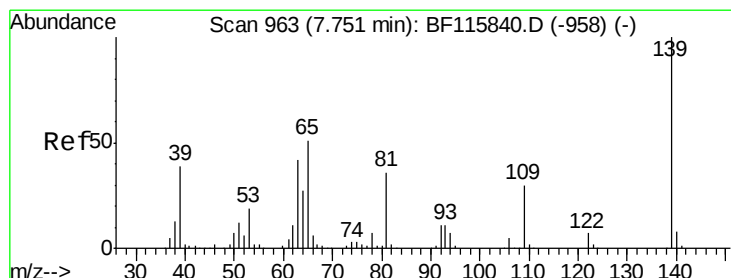
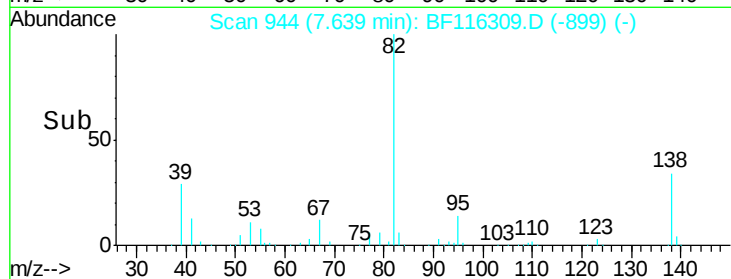
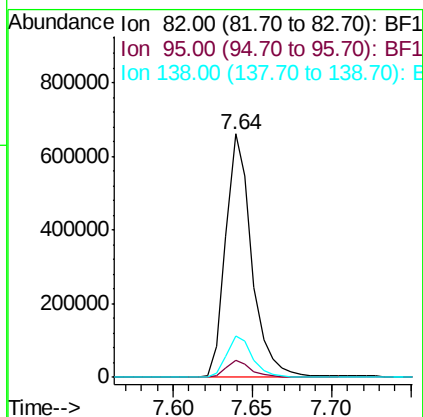
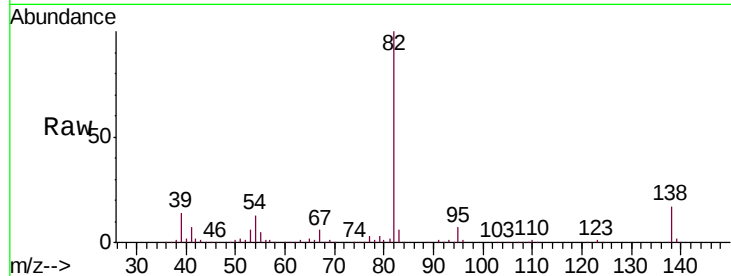




#25
Isophorone
Concen: 44.244 ng
RT: 7.64 min Scan# 944
Delta R.T. -0.04 min
Lab File: BF116309.D
Acq: 16 Aug 2019 9:17

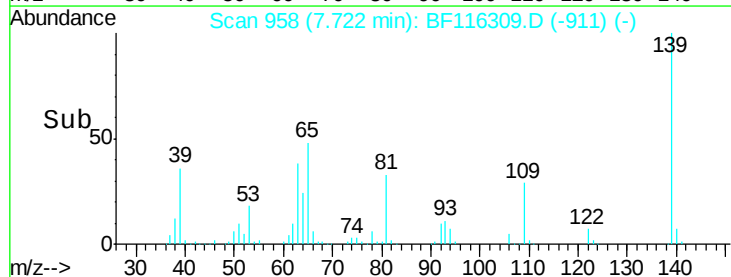
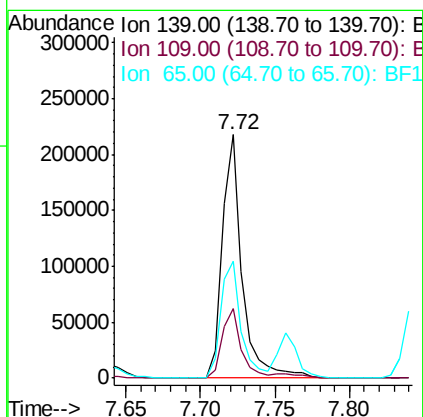
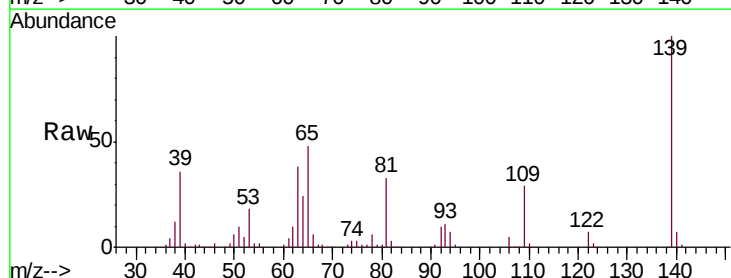
Instrument :
BNA_F
ClientSampleId :
PB122249BS

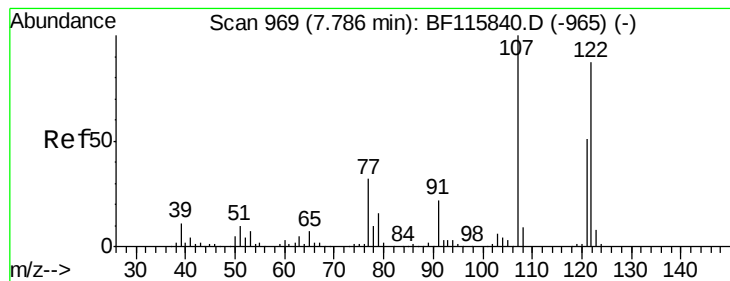
Tgt Ion: 82 Resp: 755211
Ion Ratio Lower Upper
82 100
95 6.8 5.4 8.0
138 16.8 14.5 21.7



#26
2-Nitrophenol
Concen: 45.156 ng
RT: 7.72 min Scan# 958
Delta R.T. -0.02 min
Lab File: BF116309.D
Acq: 16 Aug 2019 9:17

Tgt Ion: 139 Resp: 205168
Ion Ratio Lower Upper
139 100
109 28.6 23.4 35.2
65 48.1 41.1 61.7





#27

2,4-Dimethylphenol

Concen: 48.358 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.03 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

Instrument :

BNA_F

ClientSampleId :

PB122249BS

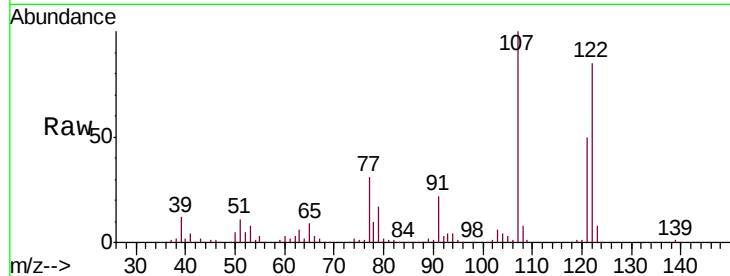
Tgt Ion:122 Resp: 330566

Ion Ratio Lower Upper

122 100

107 117.9 93.0 139.6

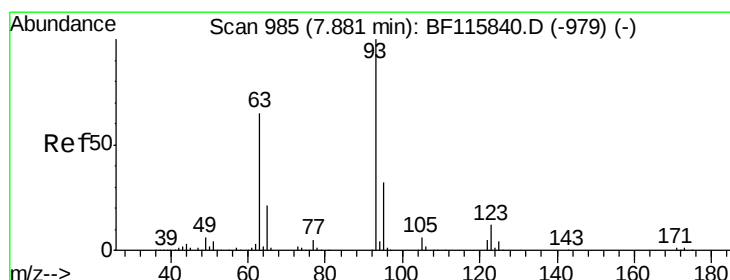
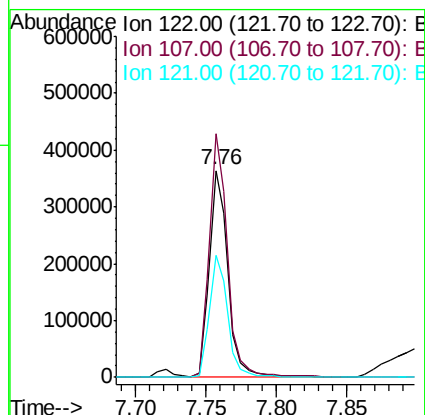
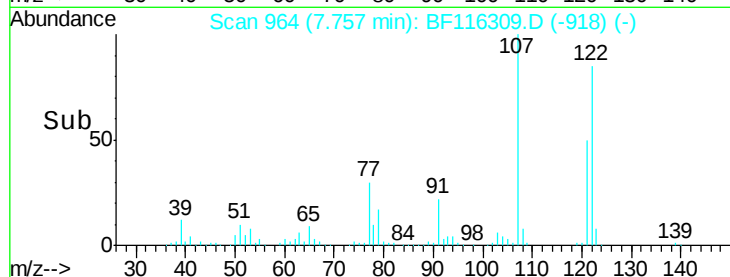
121 58.9 47.6 71.4



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 43.910 ng

RT: 7.85 min Scan# 979

Delta R.T. -0.03 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

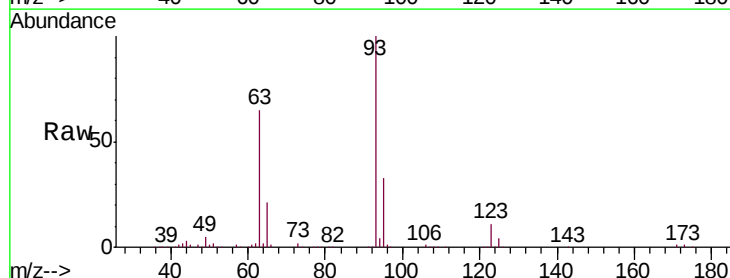
Tgt Ion: 93 Resp: 464562

Ion Ratio Lower Upper

93 100

95 33.0 26.2 39.4

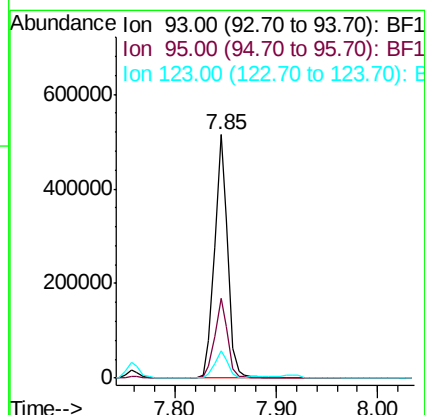
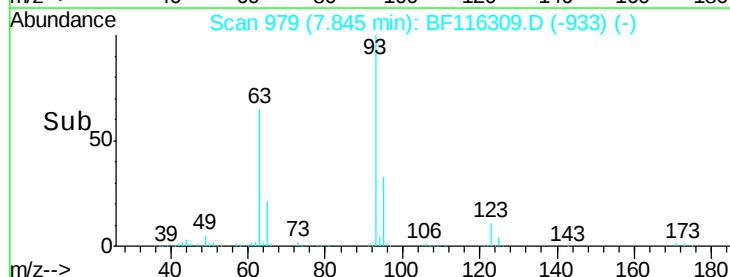
123 11.4 9.2 13.8

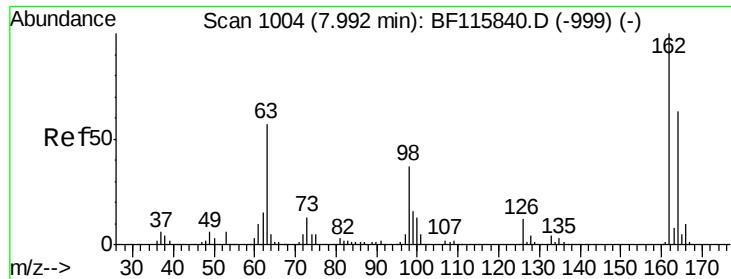


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

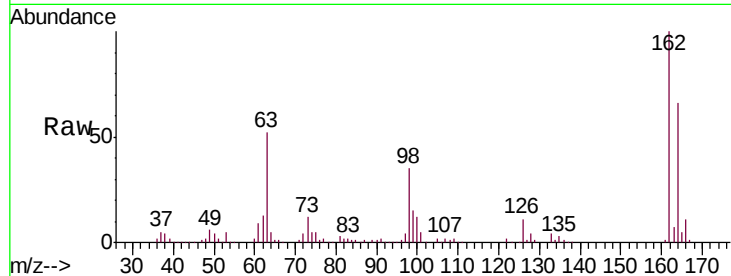




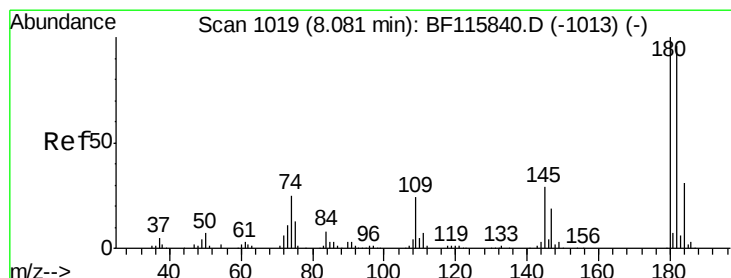
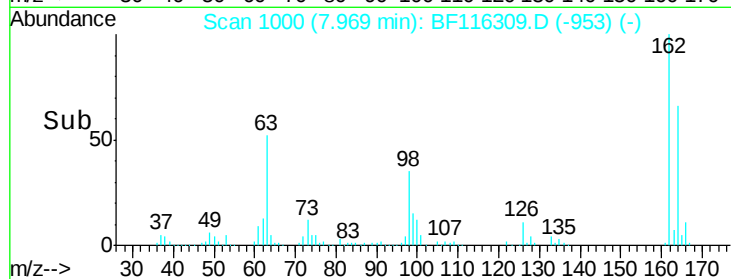
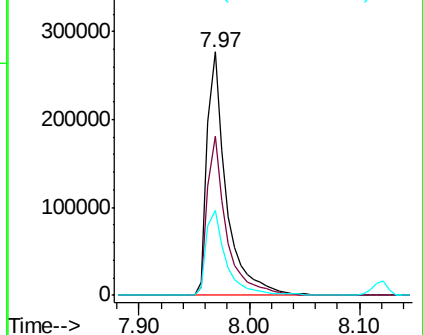
#29
 2,4-Dichlorophenol
 Concen: 45.205 ng
 RT: 7.97 min Scan# 1000
 Delta R.T. -0.02 min
 Lab File: BF116309.D
 Acq: 16 Aug 2019 9:17

Instrument :
 BNA_F
 ClientSampleId :
 PB122249BS

Tgt Ion	Ratio	Lower	Upper
162	100		
164	65.5	45.1	85.1
98	35.0	15.8	55.8

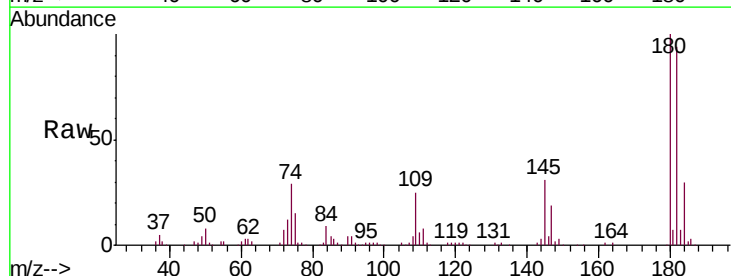


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

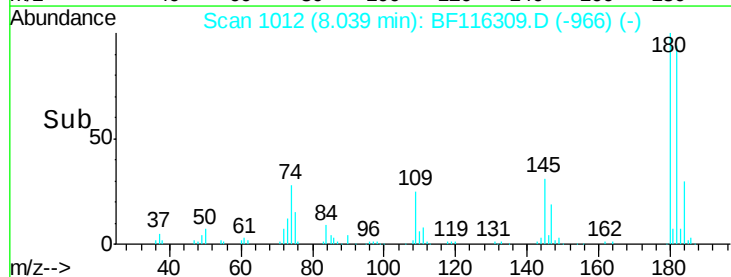
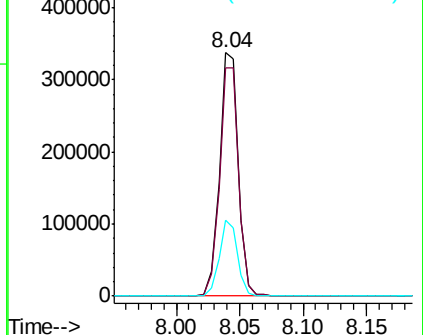


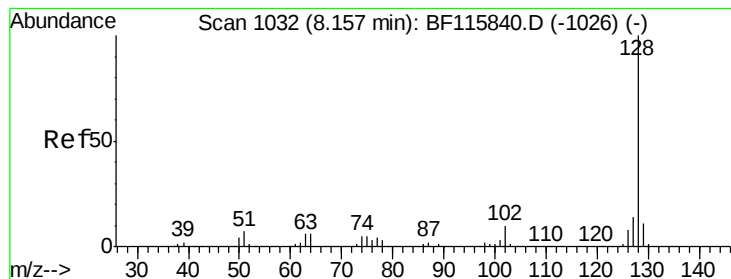
#30
 1,2,4-Trichlorobenzene
 Concen: 42.381 ng
 RT: 8.04 min Scan# 1012
 Delta R.T. -0.03 min
 Lab File: BF116309.D
 Acq: 16 Aug 2019 9:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	75.7	113.5
145	31.1	24.3	36.5



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 44.360 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.03 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

Instrument :

BNA_F

ClientSampleId :

PB122249BS

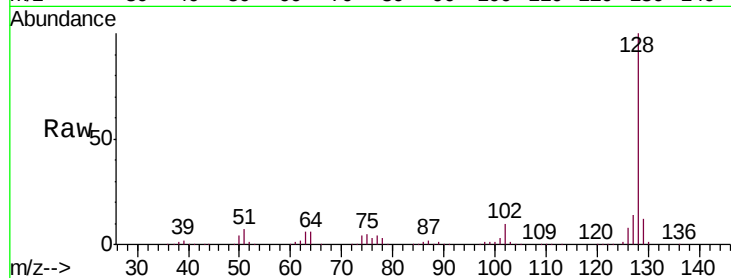
Tgt Ion:128 Resp: 1075638

Ion Ratio Lower Upper

128 100

129 11.6 9.3 13.9

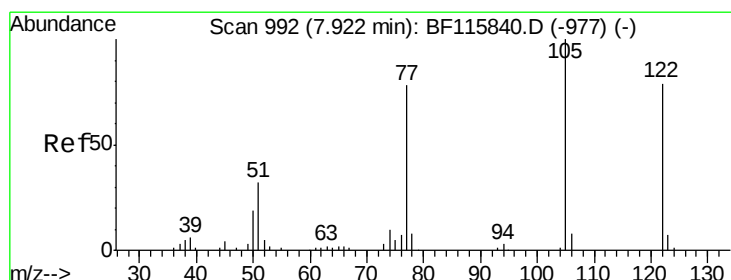
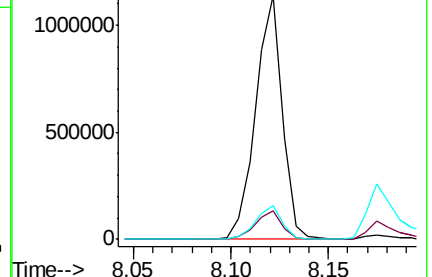
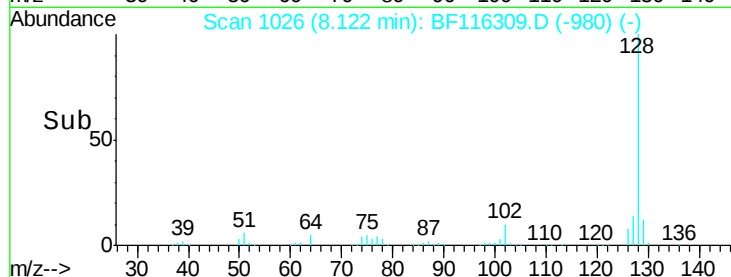
127 13.8 11.4 17.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 40.213 ng

RT: 7.92 min Scan# 992

Delta R.T. -0.02 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

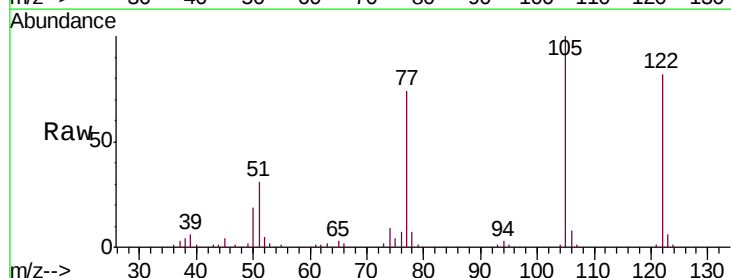
Tgt Ion:122 Resp: 193804

Ion Ratio Lower Upper

122 100

105 122.6 106.1 146.1

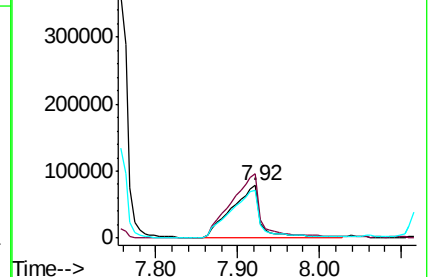
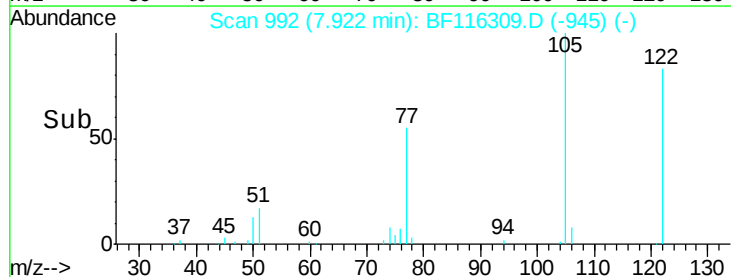
77 90.6 76.7 116.7

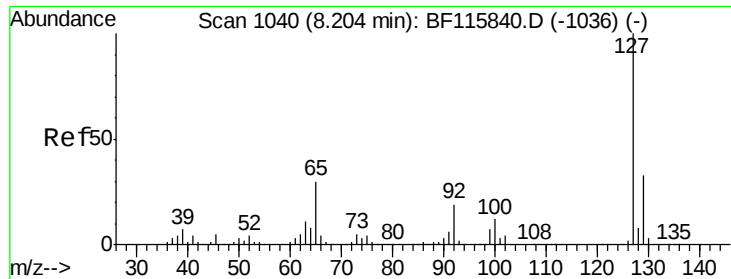


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

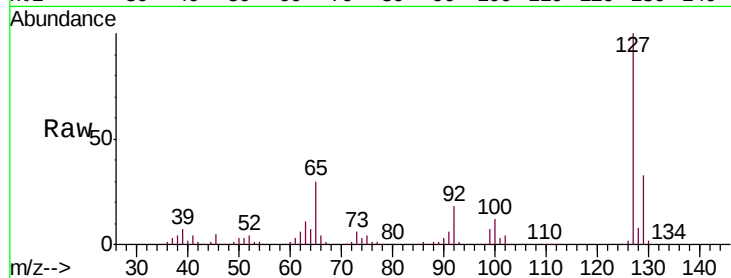




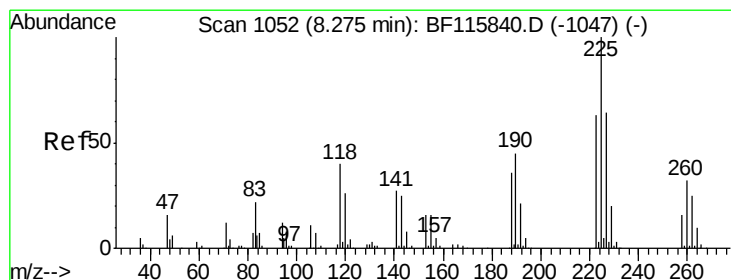
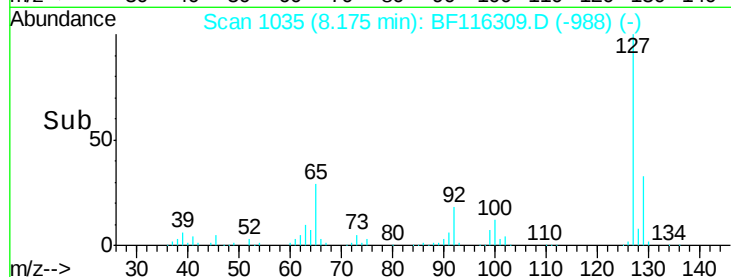
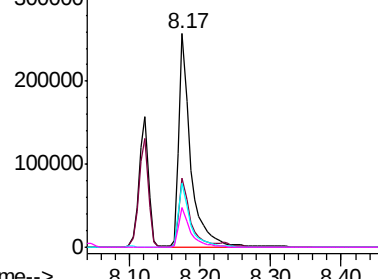
#33
4-Chloroaniline
Concen: 27.709 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.02 min
Lab File: BF116309.D
Acq: 16 Aug 2019 9:17

Instrument :
BNA_F
ClientSampleId :
PB122249BS

Tgt Ion:	127	Resp:	300203
Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.1	39.1
65	30.1	24.9	37.3
92	18.3	15.7	23.5

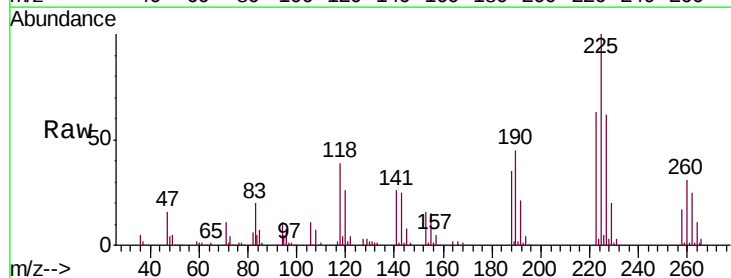


Abundance Ion 127.00 (126.70 to 127.70): E
400000
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

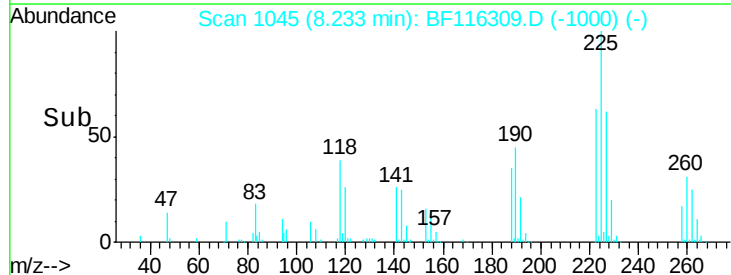
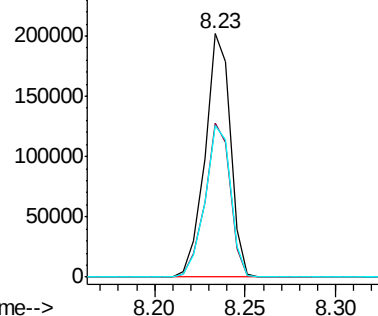


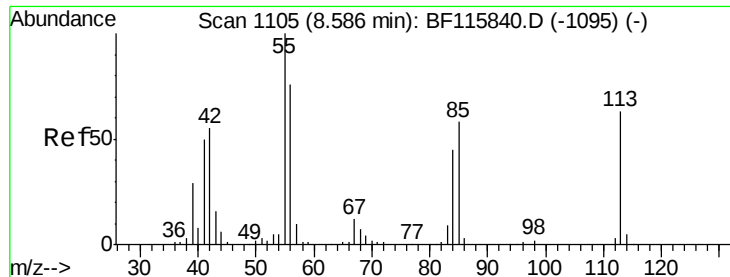
#34
Hexachlorobutadiene
Concen: 41.480 ng
RT: 8.23 min Scan# 1045
Delta R.T. -0.04 min
Lab File: BF116309.D
Acq: 16 Aug 2019 9:17

Tgt Ion:	225	Resp:	196574
Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.0	75.0
227	62.1	51.0	76.4



Abundance Ion 225.00 (224.70 to 225.70): E
250000
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

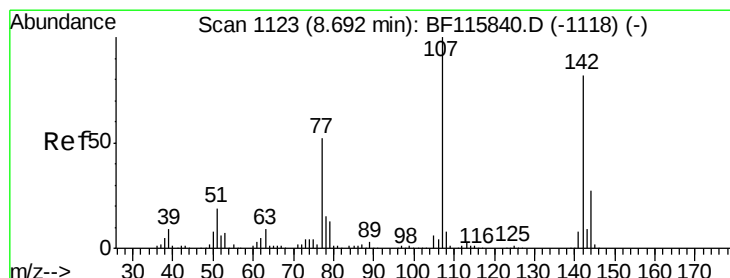
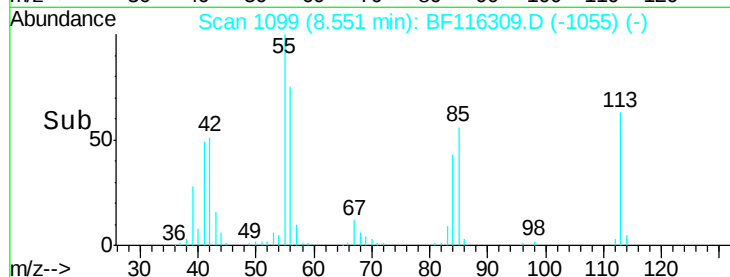
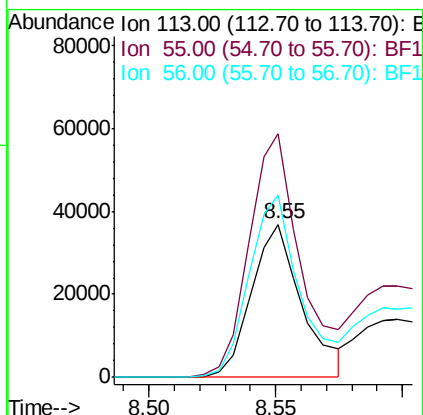
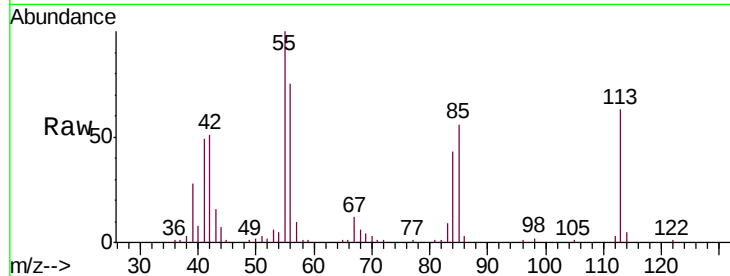




#35
 Caprolactam
 Concen: 21.928 ng
 RT: 8.55 min Scan# 1099
 Delta R.T. -0.04 min
 Lab File: BF116309.D
 Acq: 16 Aug 2019 9:17

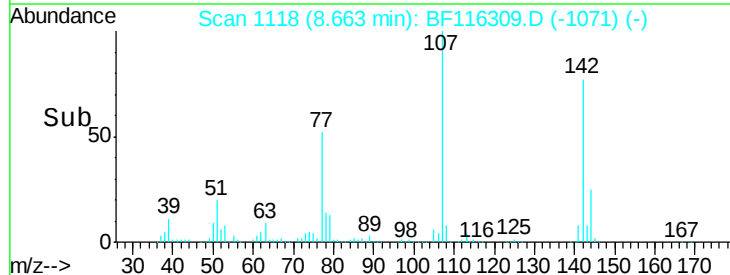
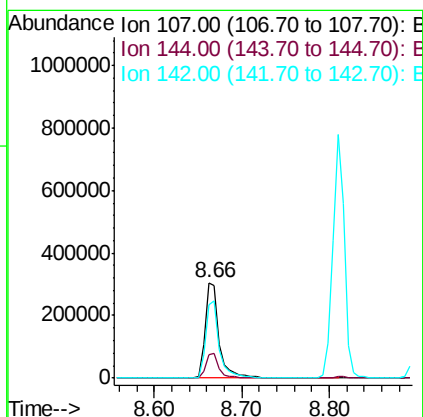
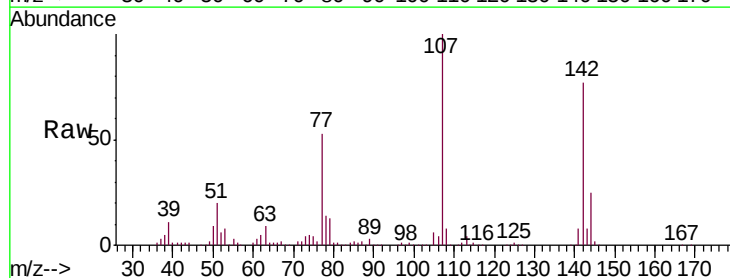
Instrument :
 BNA_F
 ClientSampleId :
 PB122249BS

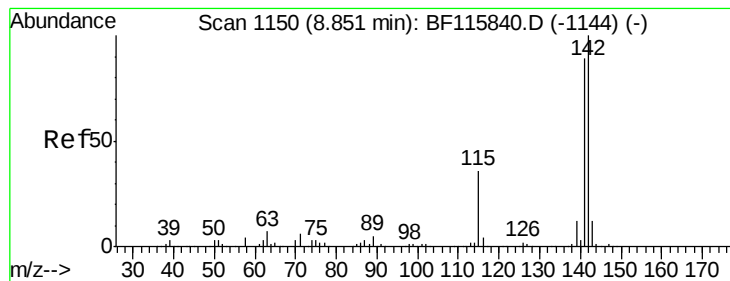
Tgt Ion:113 Resp: 51188
 Ion Ratio Lower Upper
 113 100
 55 159.0 144.3 184.3
 56 119.1 97.1 137.1



#36
 4-Chloro-3-methylphenol
 Concen: 44.708 ng
 RT: 8.66 min Scan# 1118
 Delta R.T. -0.02 min
 Lab File: BF116309.D
 Acq: 16 Aug 2019 9:17

Tgt Ion:107 Resp: 335694
 Ion Ratio Lower Upper
 107 100
 144 24.9 20.2 30.2
 142 76.5 61.7 92.5





#37

2-Methylnaphthalene

Concen: 44.891 ng

RT: 8.81 min Scan# 1143

Delta R.T. -0.03 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

Instrument :

BNA_F

ClientSampleId :

PB122249BS

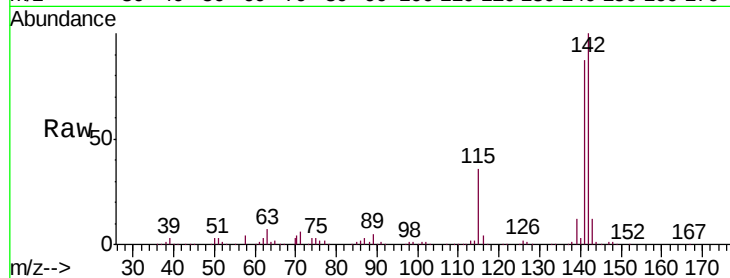
Tgt Ion:142 Resp: 716890

Ion Ratio Lower Upper

142 100

141 87.3 70.9 106.3

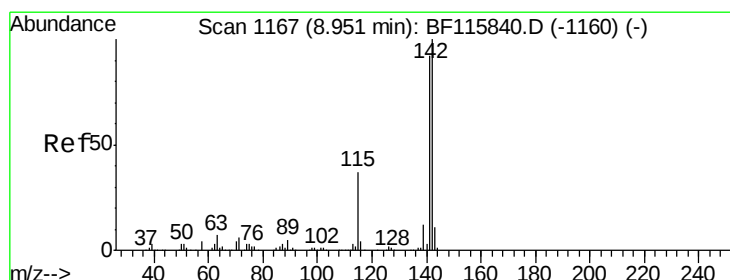
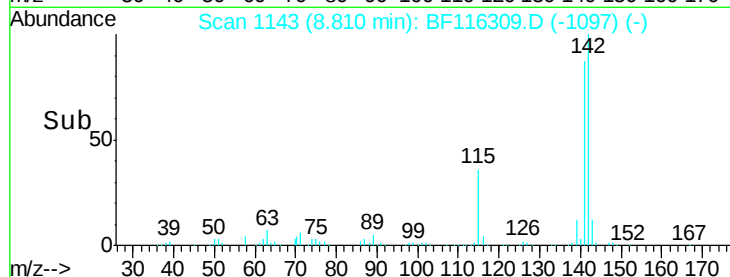
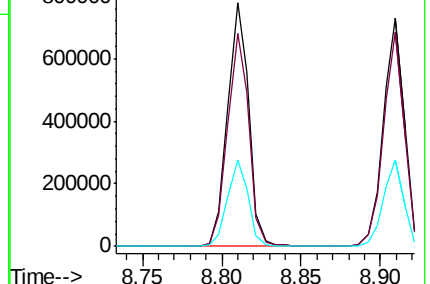
115 35.6 29.0 43.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 44.116 ng

RT: 8.91 min Scan# 1160

Delta R.T. -0.03 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

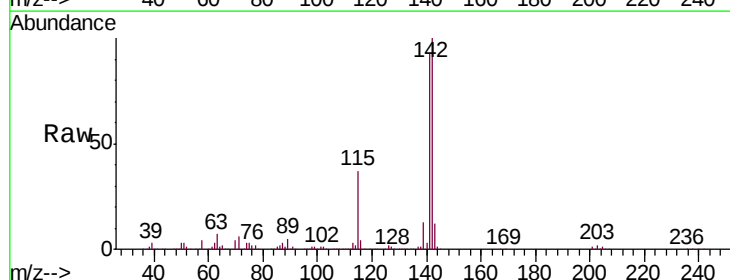
Tgt Ion:142 Resp: 666498

Ion Ratio Lower Upper

142 100

141 93.4 74.4 111.6

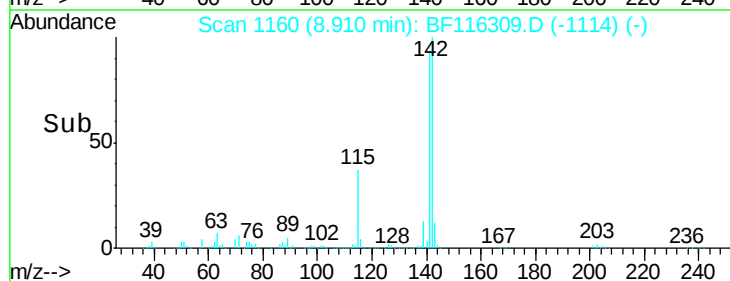
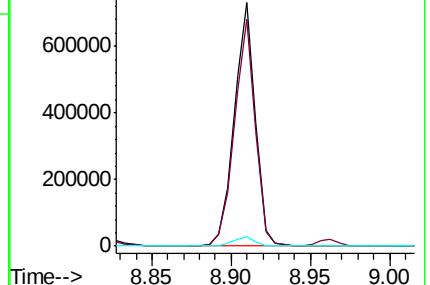
116 3.9 3.1 4.7

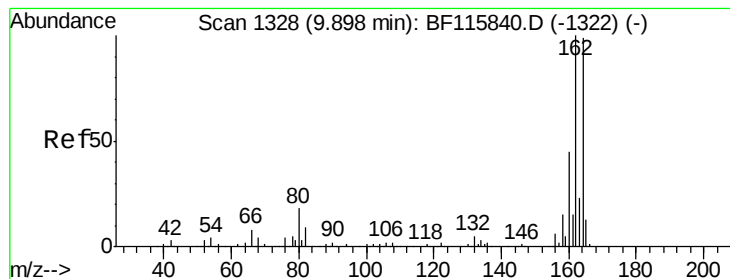


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.04 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

Instrument :

BNA_F

ClientSampleId :

PB122249BS

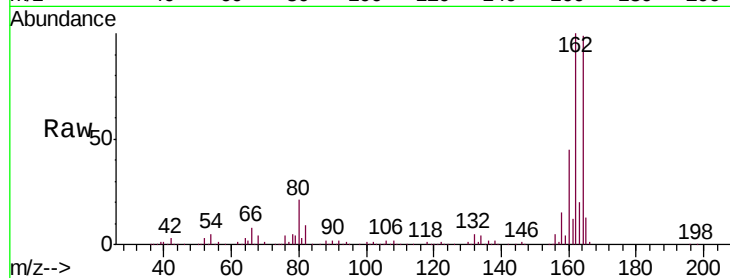
Tgt Ion:164 Resp: 274070

Ion Ratio Lower Upper

164 100

162 101.5 82.6 124.0

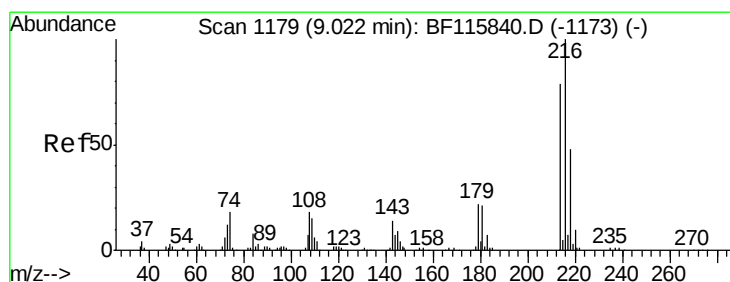
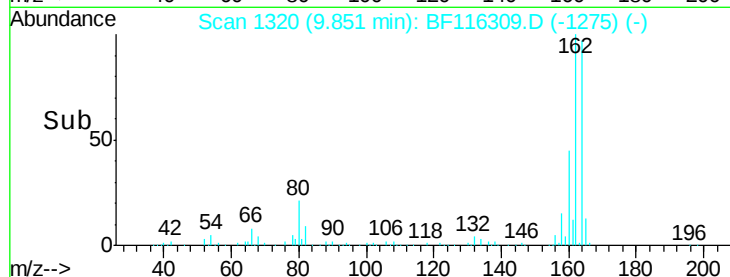
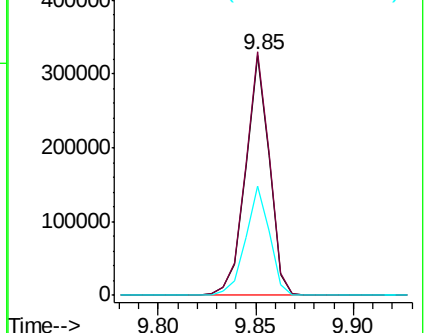
160 45.4 37.6 56.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 45.041 ng

RT: 8.98 min Scan# 1172

Delta R.T. -0.03 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

Tgt Ion:216 Resp: 330016

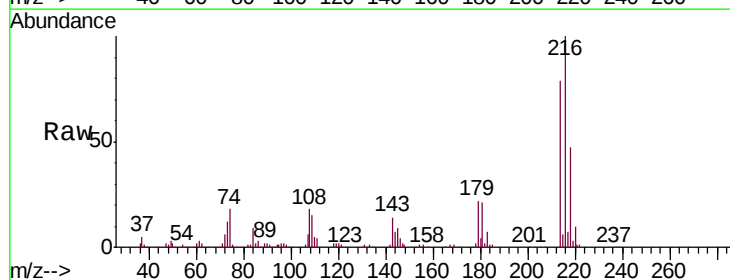
Ion Ratio Lower Upper

216 100

214 79.2 63.6 95.4

179 22.1 17.8 26.8

108 20.4 16.5 24.7

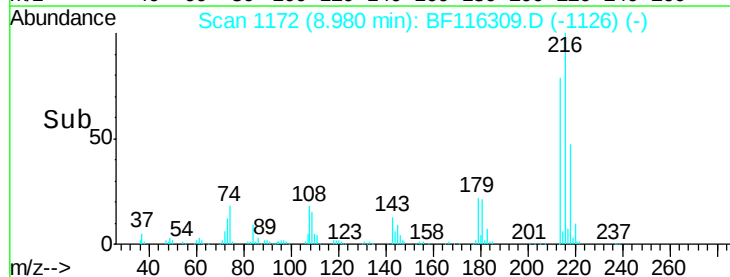
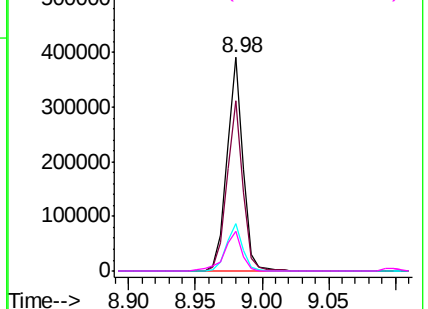


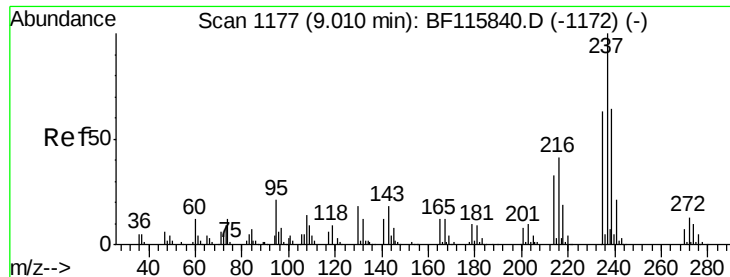
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 43.980 ng

RT: 8.96 min Scan# 1169

Delta R.T. -0.03 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

Instrument :

BNA_F

ClientSampleId :

PB122249BS

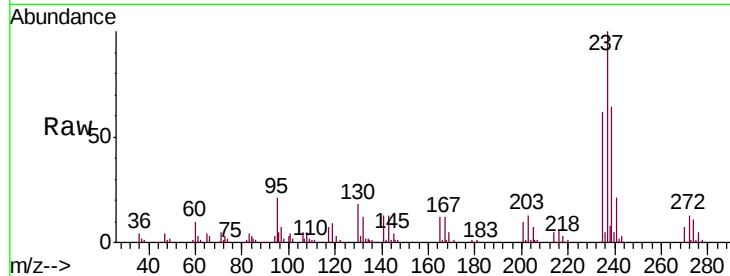
Tgt Ion: 237 Resp: 135192

Ion Ratio Lower Upper

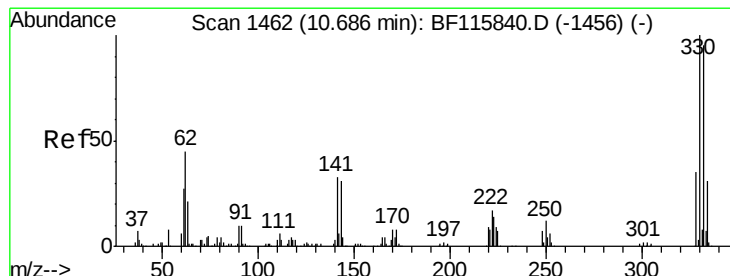
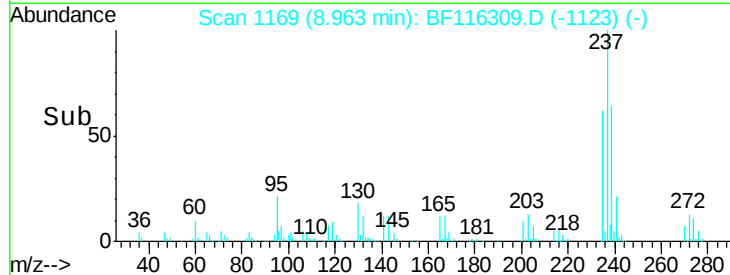
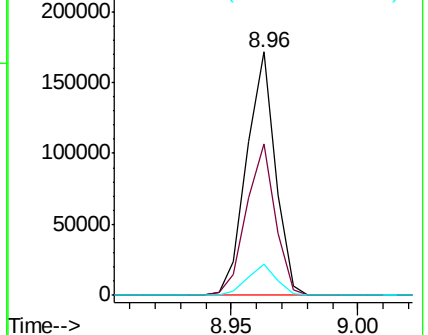
237 100

235 62.4 43.4 83.4

272 12.8 0.0 33.2



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 113.398 ng

RT: 10.64 min Scan# 1455

Delta R.T. -0.03 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

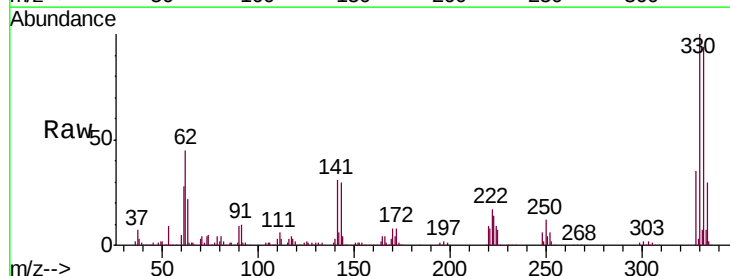
Tgt Ion: 330 Resp: 301320

Ion Ratio Lower Upper

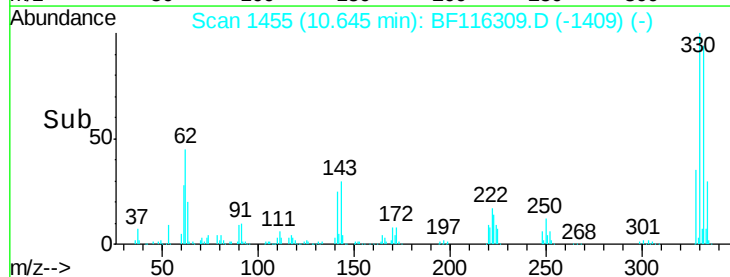
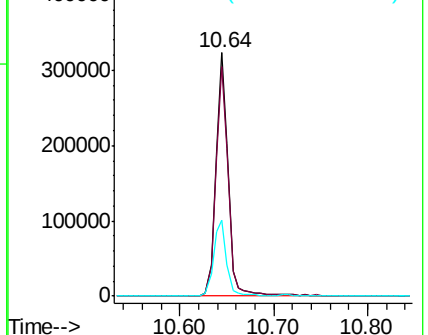
330 100

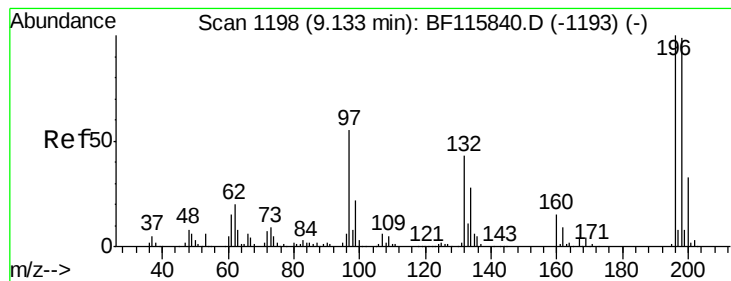
332 96.2 76.8 115.2

141 32.6 26.3 39.5



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

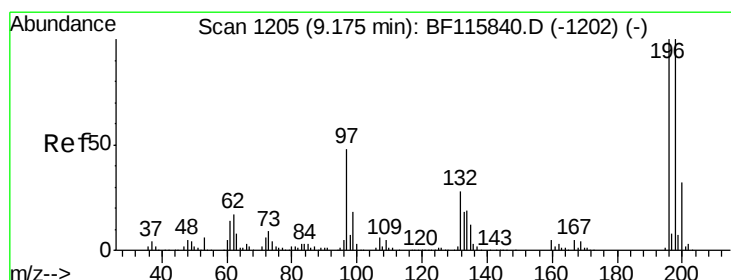
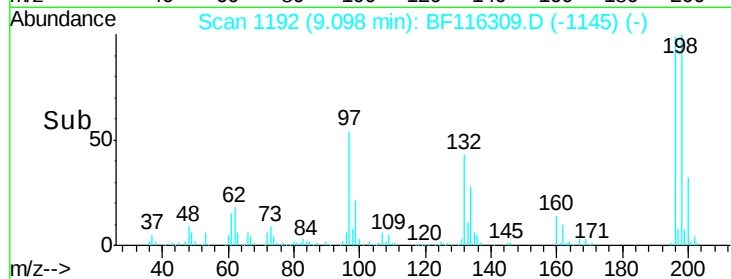
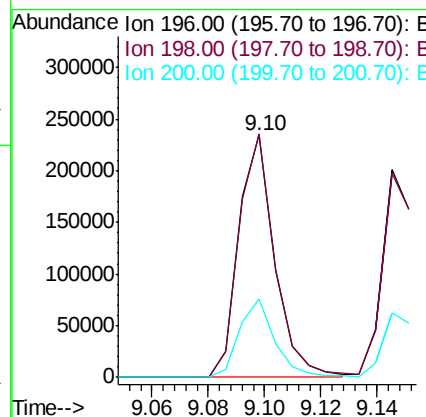
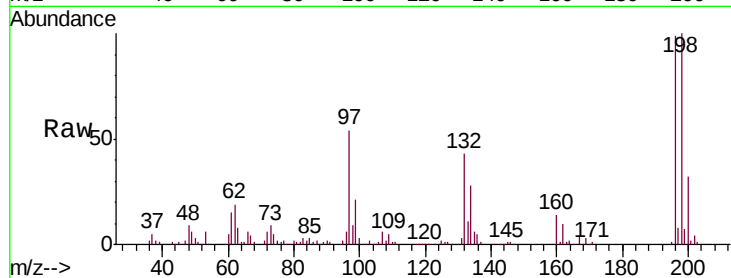




#43
 2,4,6-Trichlorophenol
 Concen: 41.203 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.02 min
 Lab File: BF116309.D
 Acq: 16 Aug 2019 9:17

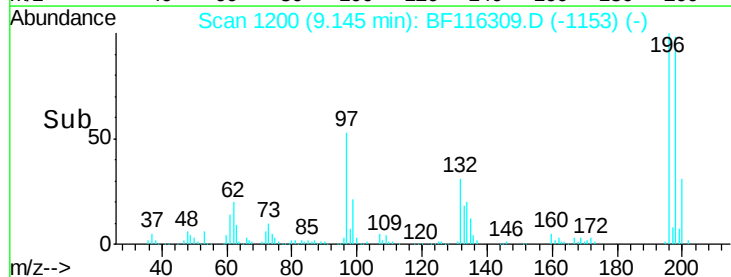
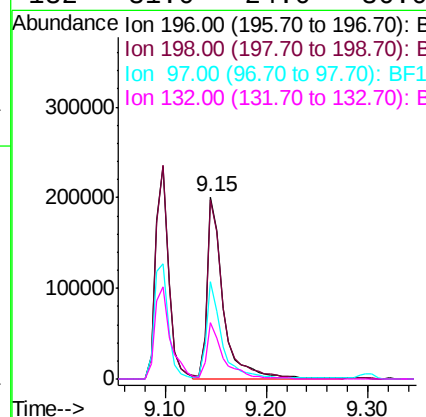
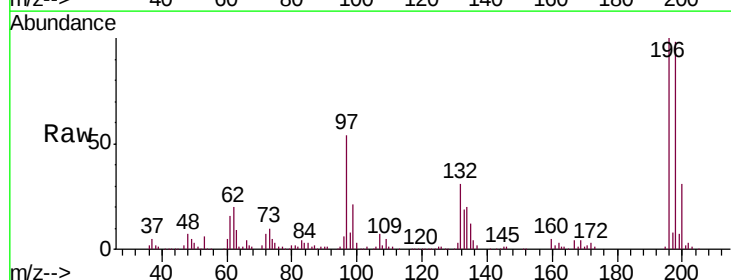
Instrument :
 BNA_F
 ClientSampleId :
 PB122249BS

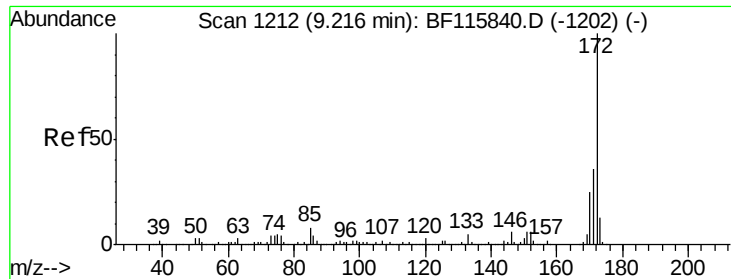
Tgt Ion	Ratio	Lower	Upper
196	100		
198	100.5	79.2	118.8
200	32.7	25.2	37.8



#44
 2,4,5-Trichlorophenol
 Concen: 42.182 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: BF116309.D
 Acq: 16 Aug 2019 9:17

Tgt Ion	Ratio	Lower	Upper
196	100		
198	98.3	78.8	118.2
97	53.7	42.2	63.4
132	31.0	24.0	36.0

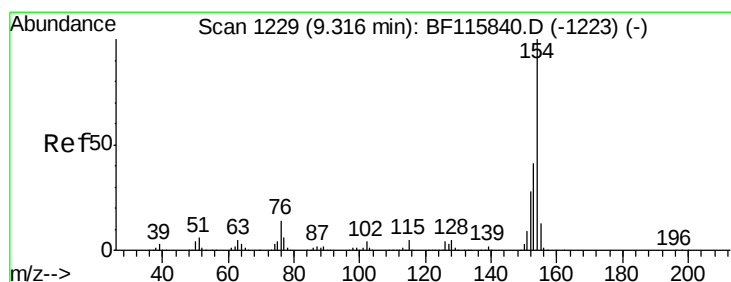
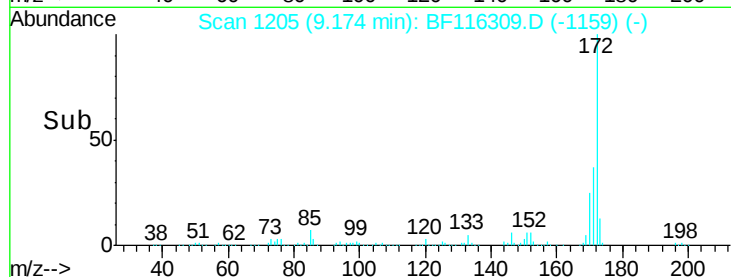
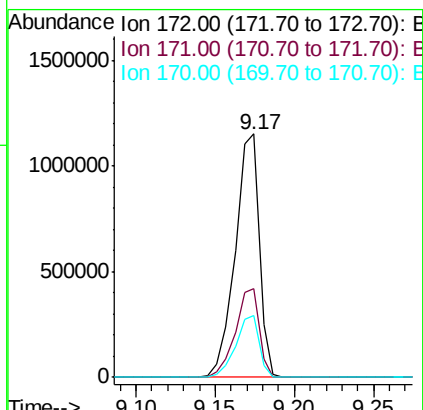
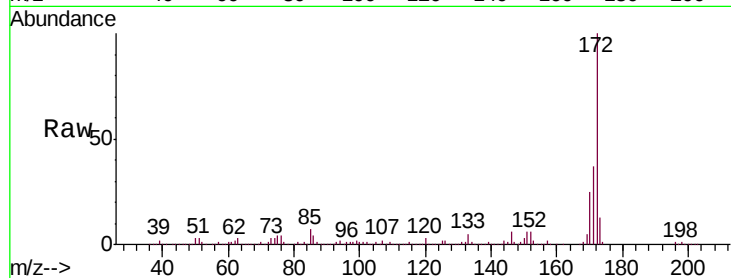




#45
 2-Fluorobiphenyl
 Concen: 83.041 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.03 min
 Lab File: BF116309.D
 Acq: 16 Aug 2019 9:17

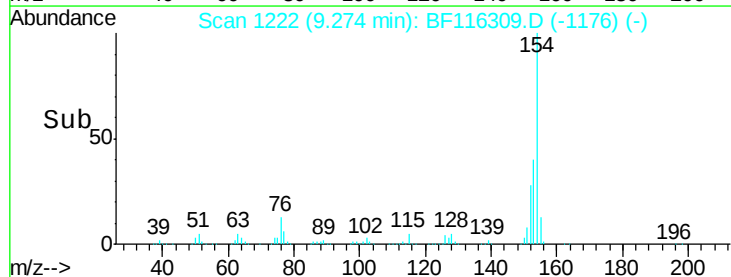
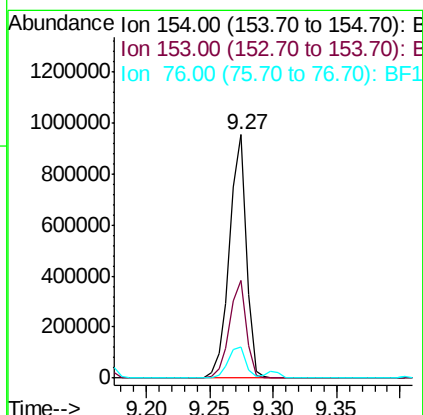
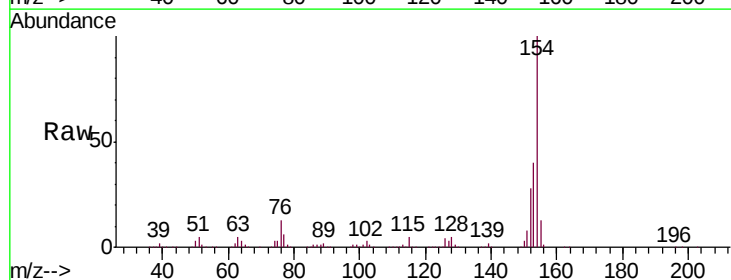
Instrument :
 BNA_F
 ClientSampleId :
 PB122249BS

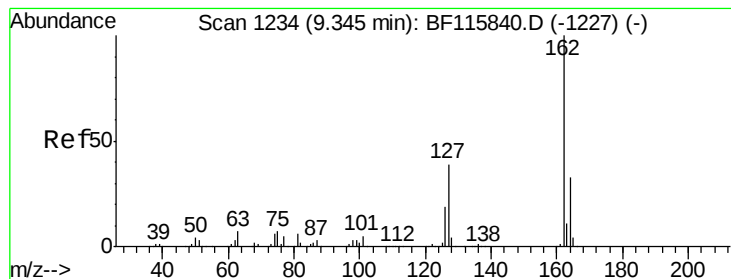
Tgt Ion:172 Resp: 1215060
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.6 44.4
 170 25.2 20.1 30.1



#46
 1,1'-Biphenyl
 Concen: 45.193 ng
 RT: 9.27 min Scan# 1222
 Delta R.T. -0.03 min
 Lab File: BF116309.D
 Acq: 16 Aug 2019 9:17

Tgt Ion:154 Resp: 874448
 Ion Ratio Lower Upper
 154 100
 153 40.3 21.4 61.4
 76 13.0 0.0 35.2





#47

2-Chloronaphthalene

Concen: 42.464 ng

RT: 9.30 min Scan# 1226

Delta R.T. -0.04 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

Instrument :

BNA_F

ClientSampleId :

PB122249BS

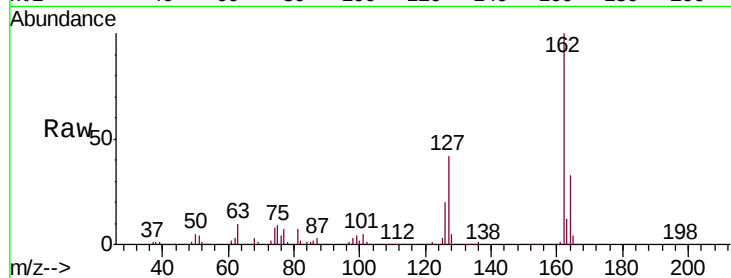
Tgt Ion: 162 Resp: 683848

Ion Ratio Lower Upper

162 100

127 41.7 32.8 49.2

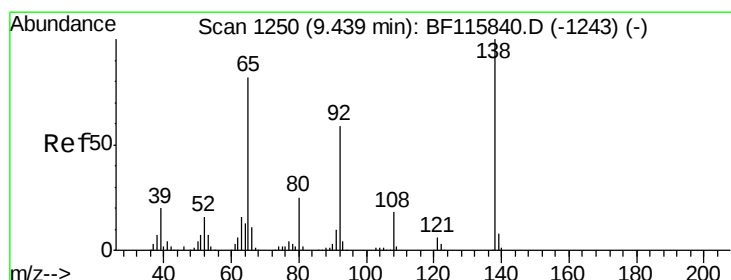
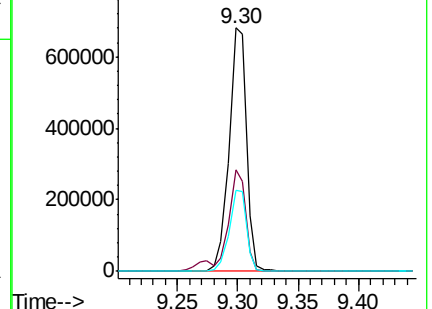
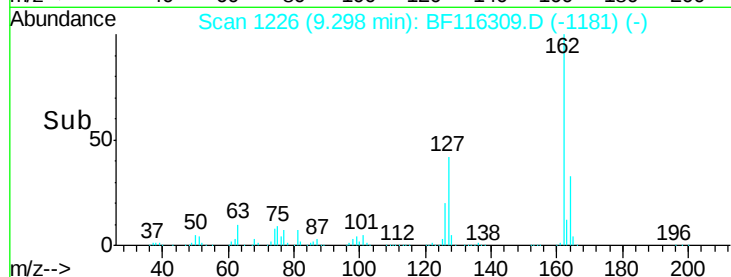
164 33.1 26.6 39.8



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 40.597 ng

RT: 9.40 min Scan# 1244

Delta R.T. -0.03 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

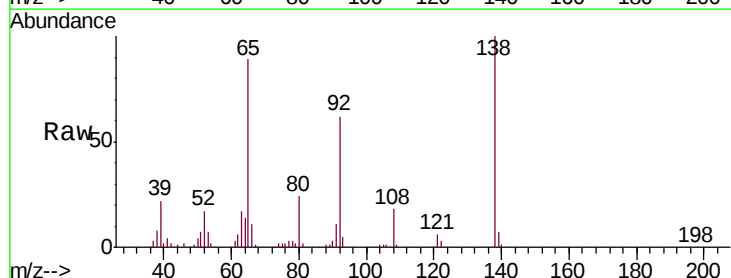
Tgt Ion: 65 Resp: 216100

Ion Ratio Lower Upper

65 100

92 70.3 57.8 86.8

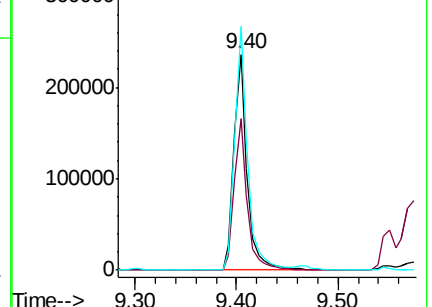
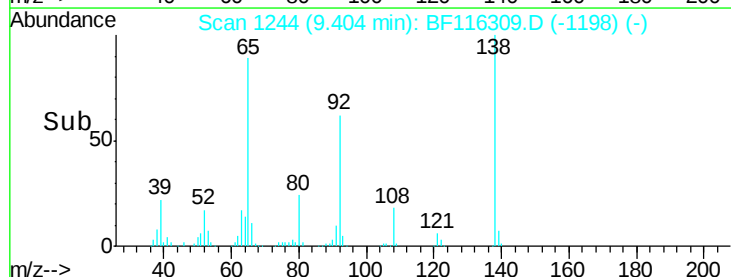
138 112.7 94.0 141.0

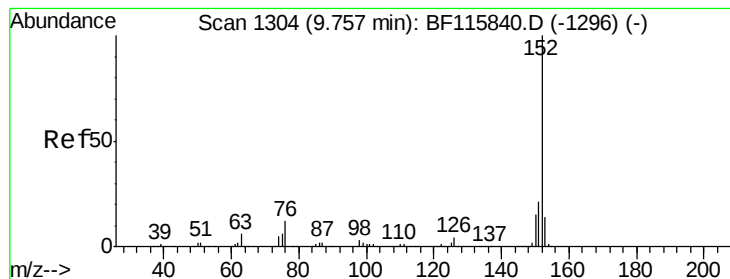


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 42.912 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.03 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

Instrument :

BNA_F

ClientSampleId :

PB122249BS

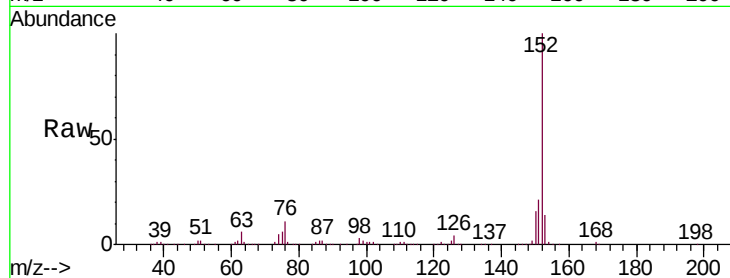
Tgt Ion:152 Resp: 1008196

Ion Ratio Lower Upper

152 100

151 21.1 17.2 25.8

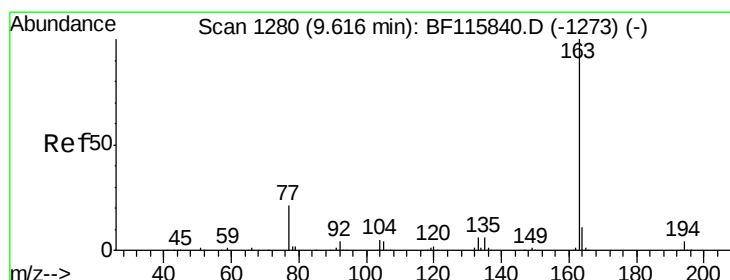
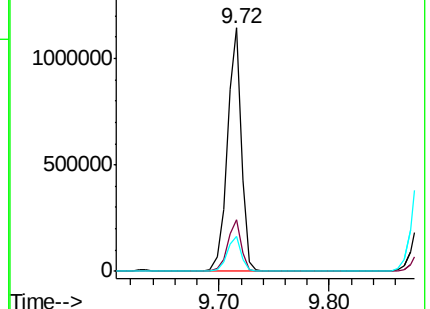
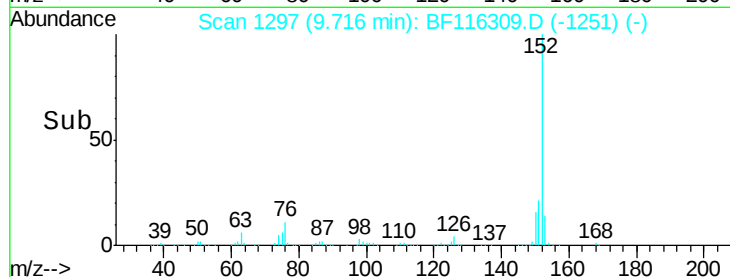
153 14.1 11.8 17.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 42.259 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.03 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

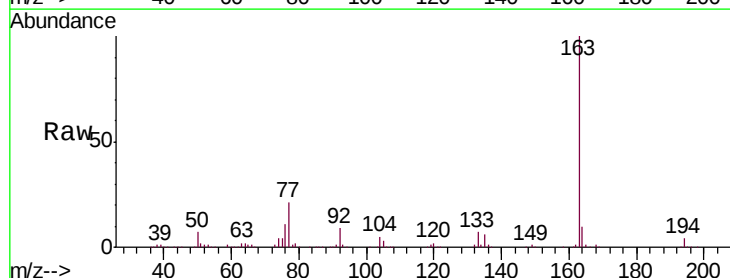
Tgt Ion:163 Resp: 788600

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

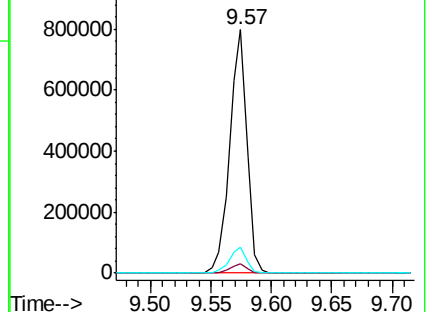
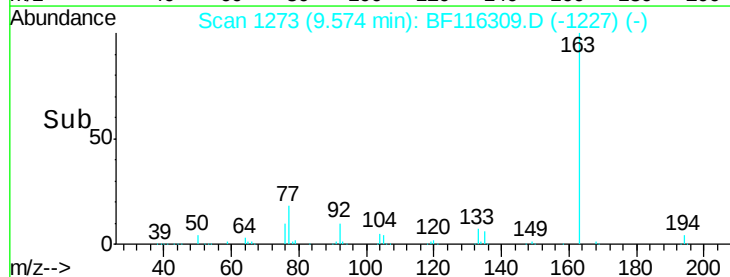
164 10.5 8.4 12.6

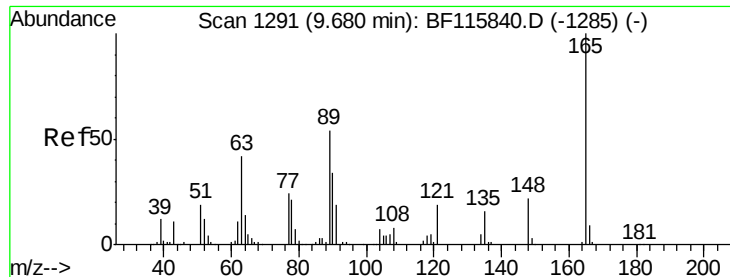


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

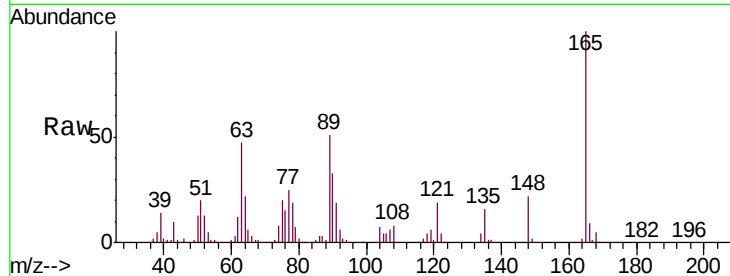




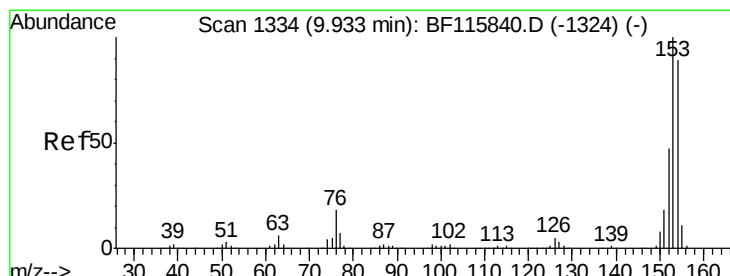
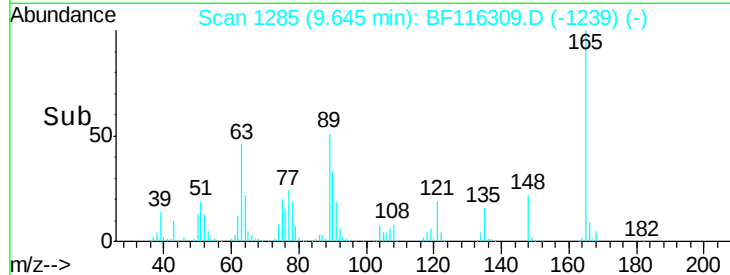
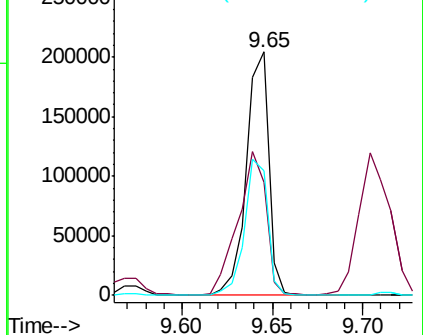
#51
2,6-Dinitrotoluene
Concen: 43.275 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.03 min
Lab File: BF116309.D
Acq: 16 Aug 2019 9:17

Instrument :
BNA_F
ClientSampleId :
PB122249BS

Tgt Ion:165 Resp: 175498
Ion Ratio Lower Upper
165 100
63 46.5 38.2 57.2
89 50.9 42.9 64.3

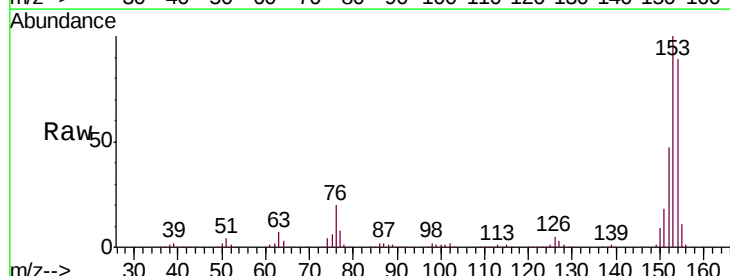


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

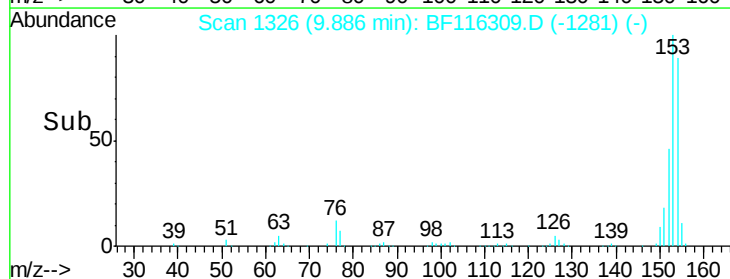
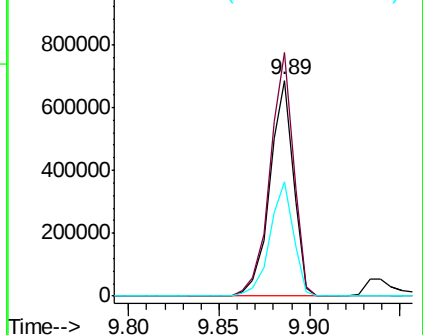


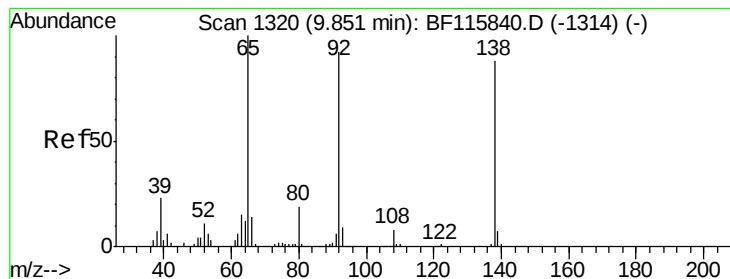
#52
Acenaphthene
Concen: 43.068 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.04 min
Lab File: BF116309.D
Acq: 16 Aug 2019 9:17

Tgt Ion:154 Resp: 620764
Ion Ratio Lower Upper
154 100
153 112.9 89.4 134.0
152 52.8 42.3 63.5



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 30.076 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.03 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

Instrument :

BNA_F

ClientSampleId :

PB122249BS

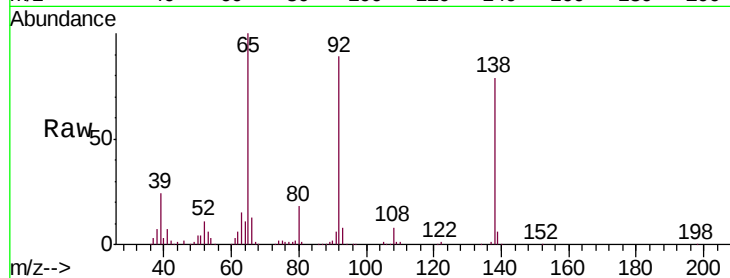
Tgt Ion:138 Resp: 150709

Ion Ratio Lower Upper

138 100

108 9.8 8.0 12.0

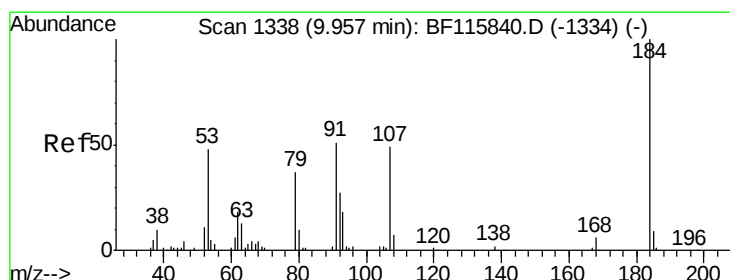
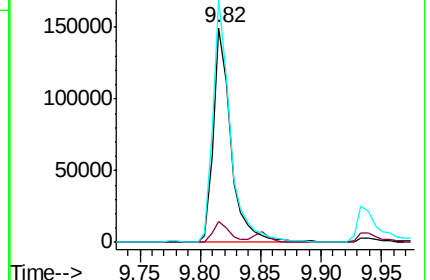
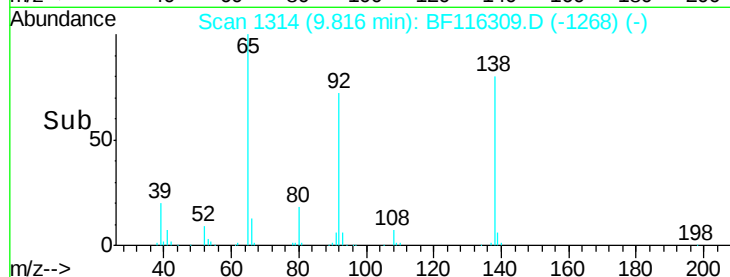
92 113.5 91.0 136.6



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54

2,4-Dinitrophenol

Concen: 62.106 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.02 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

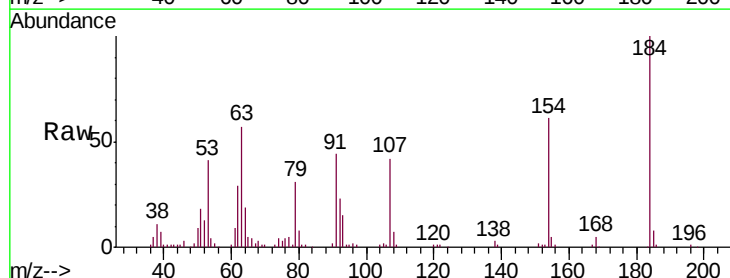
Tgt Ion:184 Resp: 124106

Ion Ratio Lower Upper

184 100

63 57.4 53.0 79.4

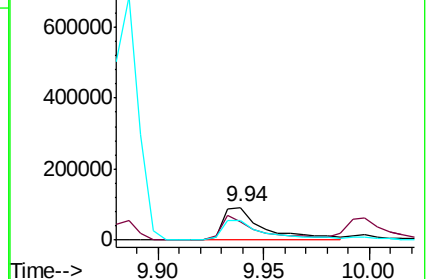
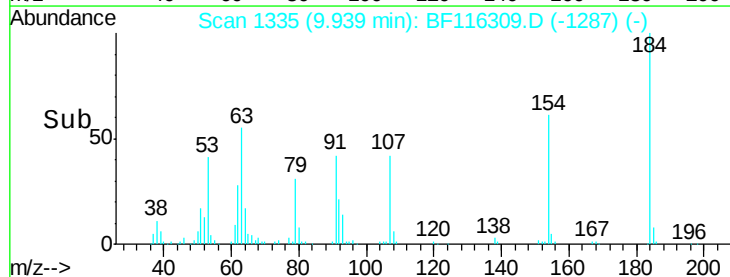
154 60.7 50.1 75.1

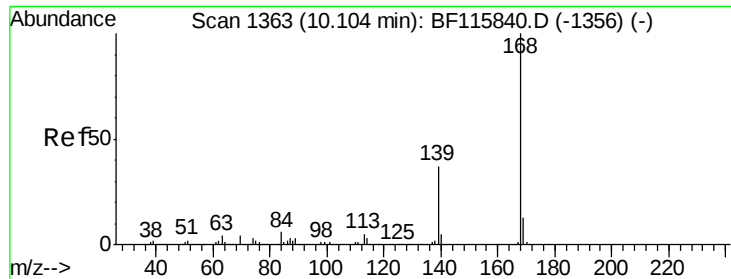


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

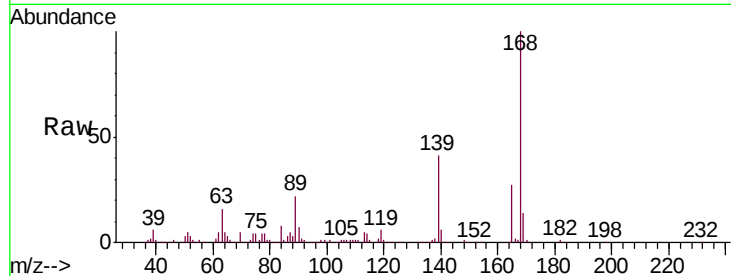




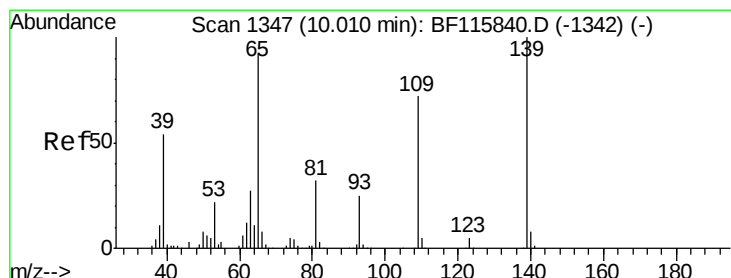
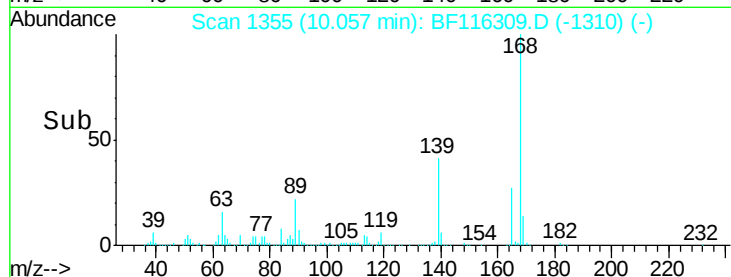
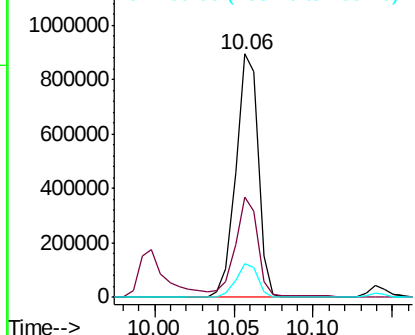
#55
Dibenzofuran
Concen: 41.817 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.04 min
Lab File: BF116309.D
Acq: 16 Aug 2019 9:17

Instrument :
BNA_F
ClientSampleId :
PB122249BS

Tgt Ion:168 Resp: 876526
Ion Ratio Lower Upper
168 100
139 40.9 31.4 47.2
169 13.8 10.9 16.3

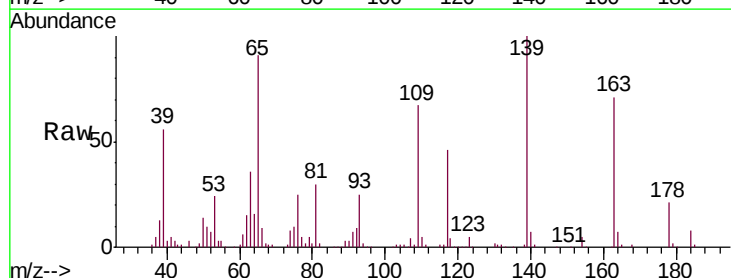


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

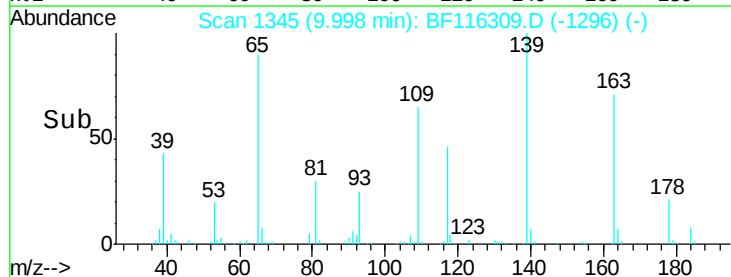
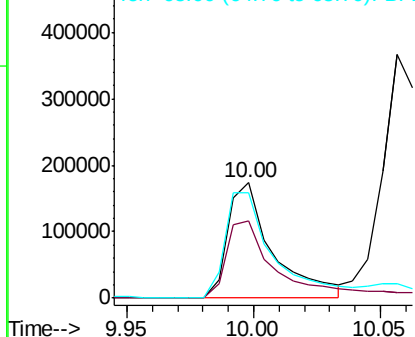


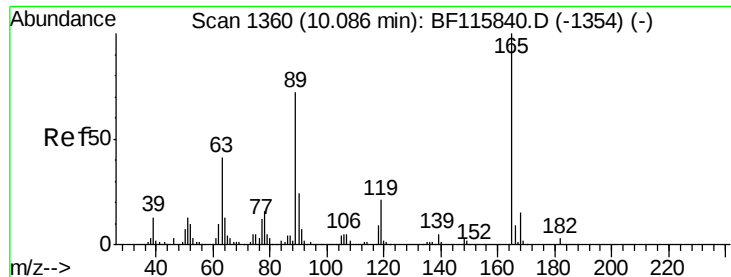
#56
4-Nitrophenol
Concen: 66.852 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.01 min
Lab File: BF116309.D
Acq: 16 Aug 2019 9:17

Tgt Ion:139 Resp: 214597
Ion Ratio Lower Upper
139 100
109 66.7 54.4 94.4
65 91.2 80.6 120.6



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

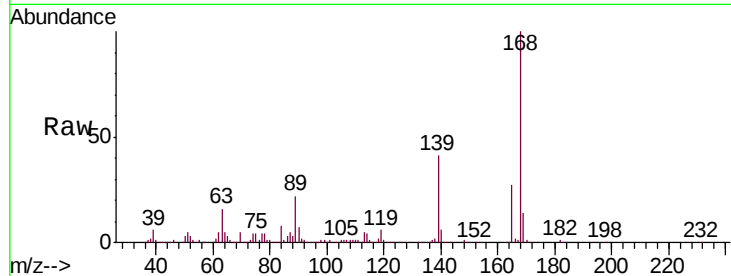




#57
 2,4-Dinitrotoluene
 Concen: 40.282 ng
 RT: 10.06 min Scan# 1355
 Delta R.T. -0.02 min
 Lab File: BF116309.D
 Acq: 16 Aug 2019 9:17

Instrument :
 BNA_F
 ClientSampleId :
 PB122249BS

Tgt Ion	Ratio	Lower	Upper
165	100		
63	58.8	39.6	59.4
89	80.4	62.2	93.2
182	2.6	2.1	3.1

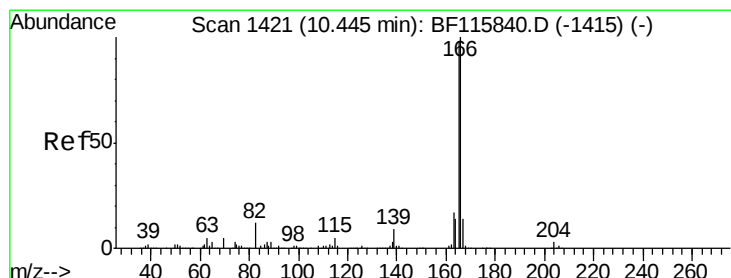
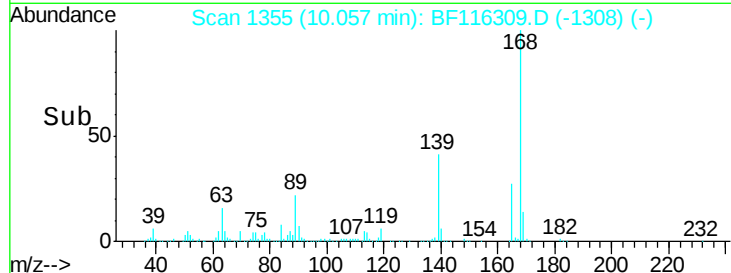
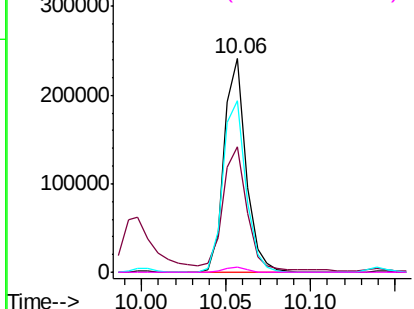


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

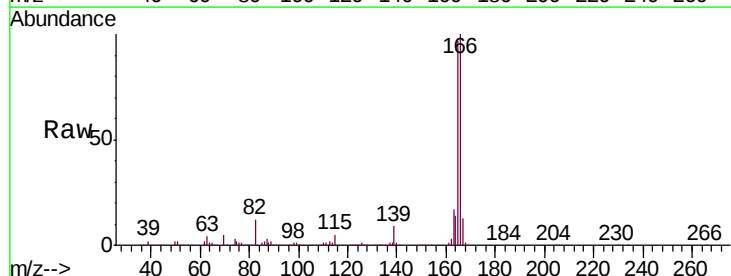
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
 Fluorene
 Concen: 44.730 ng
 RT: 10.40 min Scan# 1414
 Delta R.T. -0.03 min
 Lab File: BF116309.D
 Acq: 16 Aug 2019 9:17

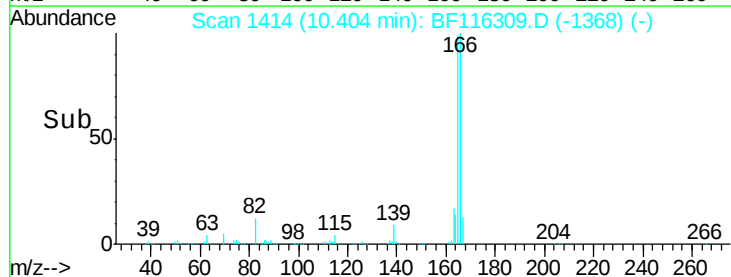
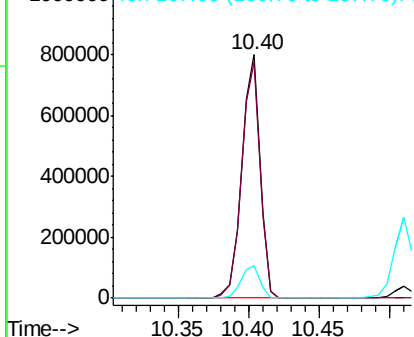
Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.1	78.4	117.6
167	13.4	11.0	16.4

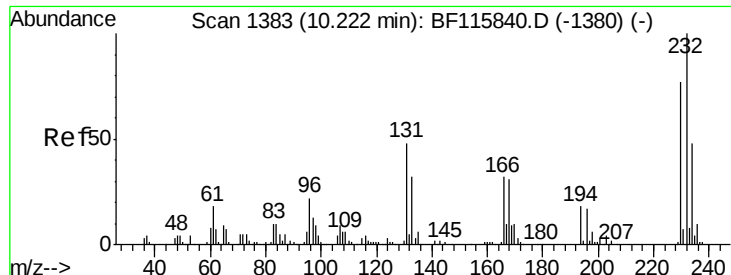


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

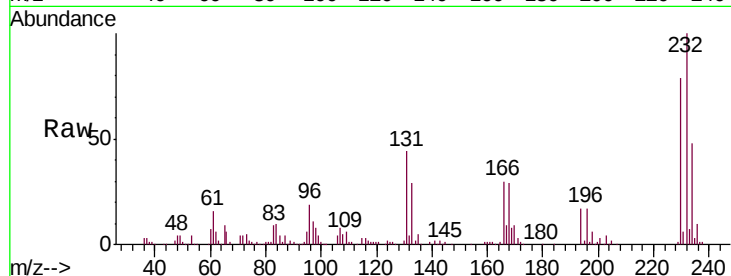




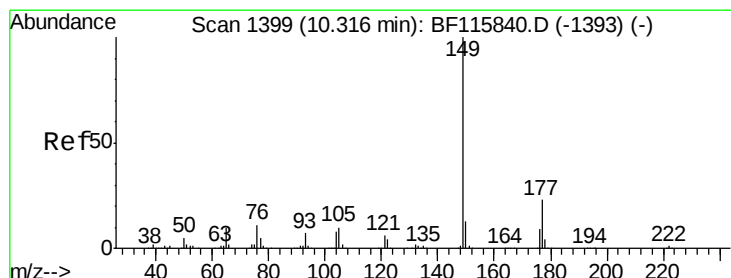
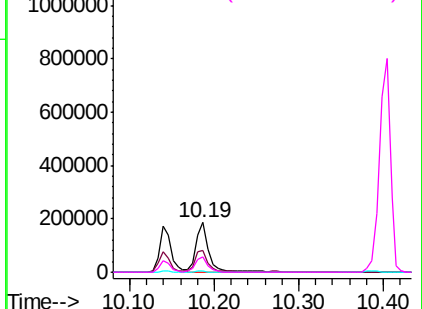
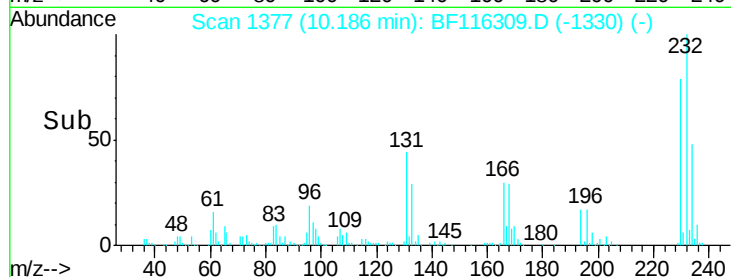
#59
2,3,4,6-Tetrachlorophenol
Concen: 42.676 ng
RT: 10.19 min Scan# 1377
Delta R.T. -0.02 min
Lab File: BF116309.D
Acq: 16 Aug 2019 9:17

Instrument :
BNA_F
ClientSampleId :
PB122249BS

Tgt Ion: 232 Resp: 187175
Ion Ratio Lower Upper
232 100
131 44.5 36.2 54.2
130 2.3 1.9 2.9
166 30.2 23.0 34.4

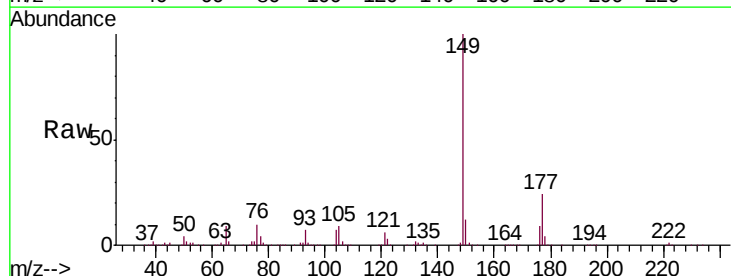


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

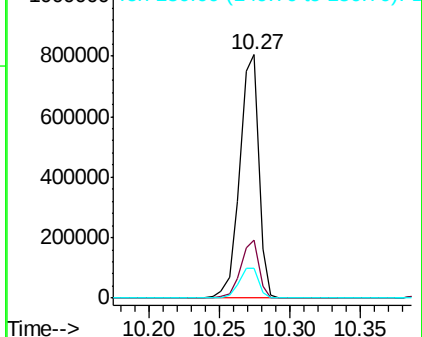
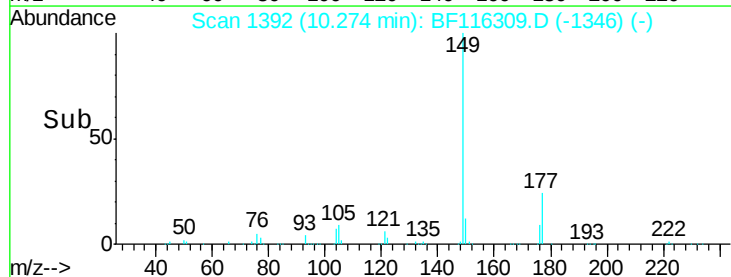


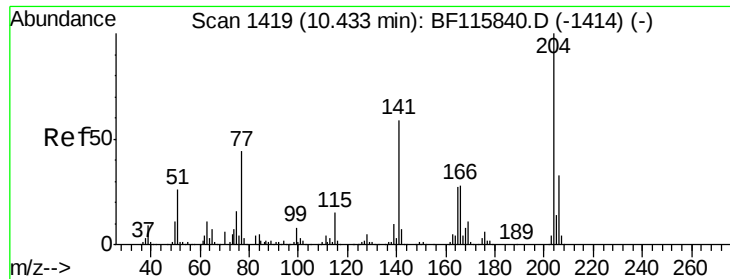
#60
Diethylphthalate
Concen: 43.626 ng
RT: 10.27 min Scan# 1392
Delta R.T. -0.03 min
Lab File: BF116309.D
Acq: 16 Aug 2019 9:17

Tgt Ion: 149 Resp: 760070
Ion Ratio Lower Upper
149 100
177 23.9 18.8 28.2
150 12.4 10.2 15.4



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

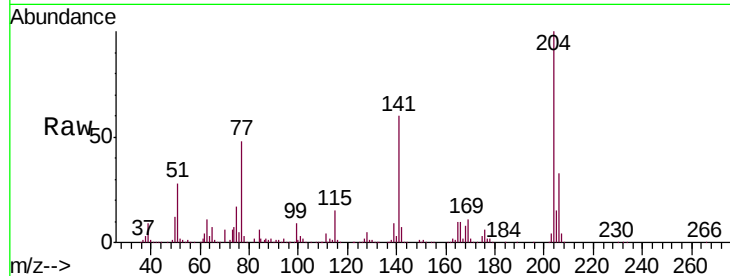




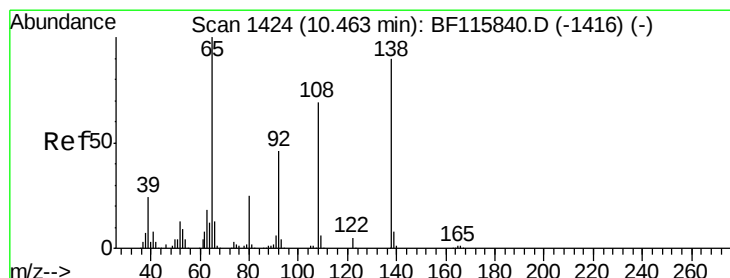
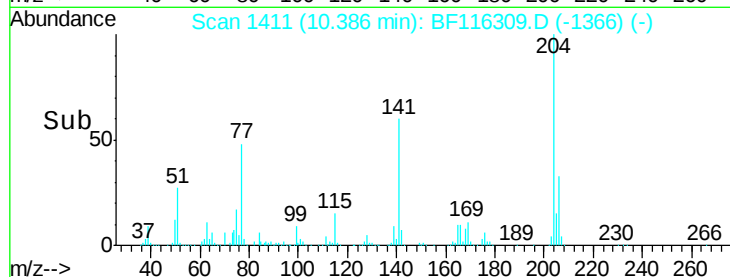
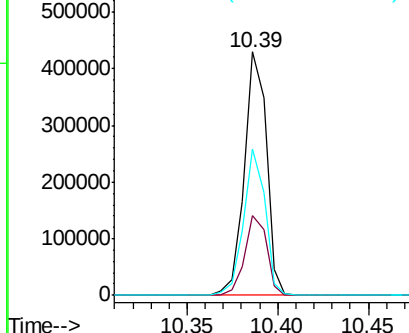
#61
 4-Chlorophenyl-phenylether
 Concen: 44.641 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. -0.04 min
 Lab File: BF116309.D
 Acq: 16 Aug 2019 9:17

Instrument :
 BNA_F
 ClientSampleId :
 PB122249BS

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.4	39.6
141	60.3	46.4	69.6

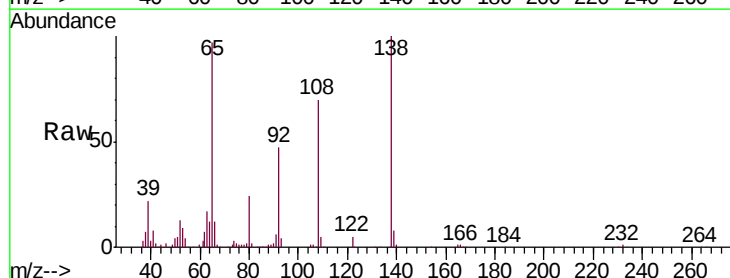


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

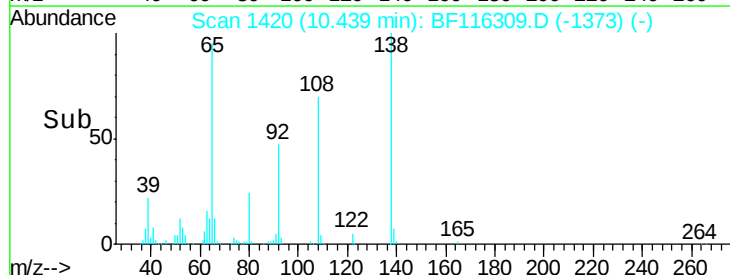
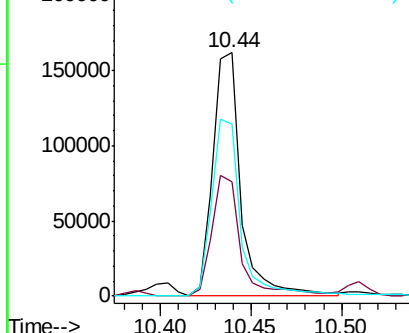


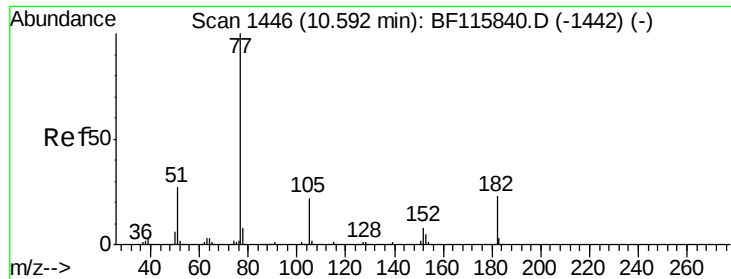
#62
 4-Nitroaniline
 Concen: 33.554 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.02 min
 Lab File: BF116309.D
 Acq: 16 Aug 2019 9:17

Tgt Ion	Ratio	Lower	Upper
138	100		
92	46.9	29.0	69.0
108	70.4	54.7	94.7



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 44.195 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.03 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

Instrument :

BNA_F

ClientSampleId :

PB122249BS

Tgt Ion: 77 Resp: 791974

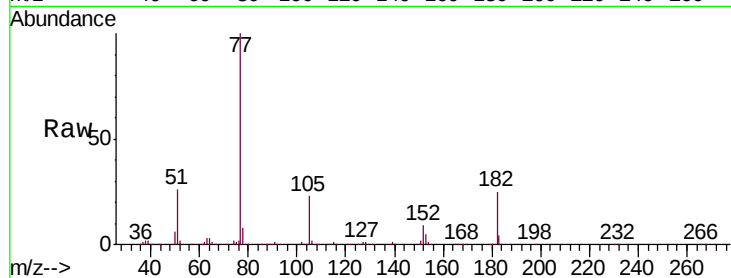
Ion Ratio Lower Upper

77 100

182 25.1 4.0 44.0

105 22.7 2.0 42.0

51 26.3 7.5 47.5

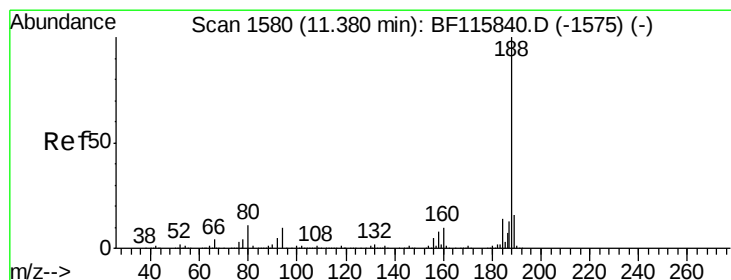
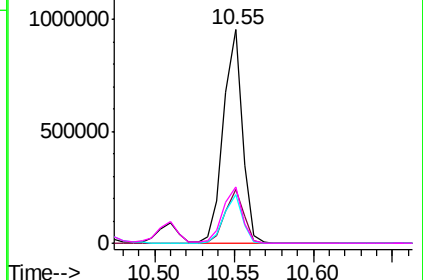
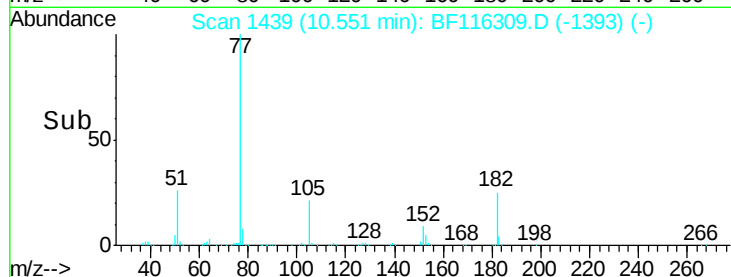


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.03 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

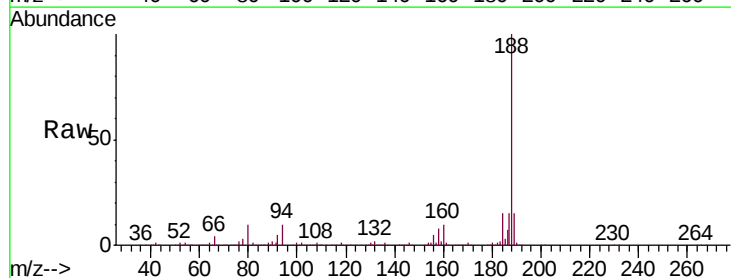
Tgt Ion: 188 Resp: 469657

Ion Ratio Lower Upper

188 100

94 9.6 8.1 12.1

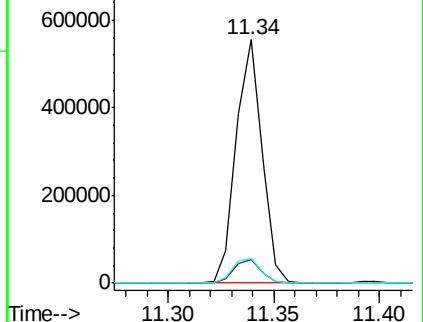
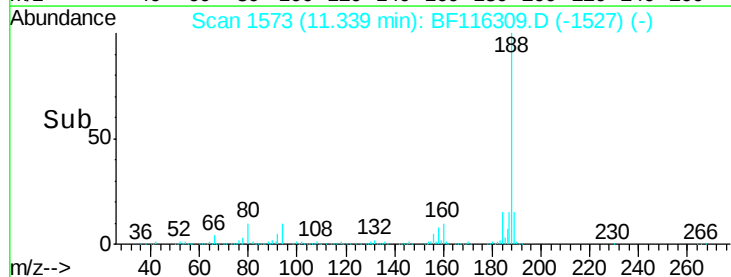
80 10.3 8.7 13.1

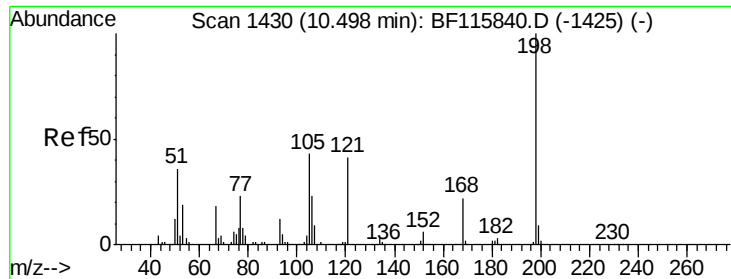


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

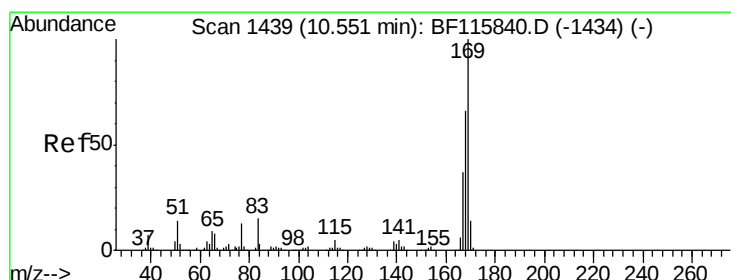
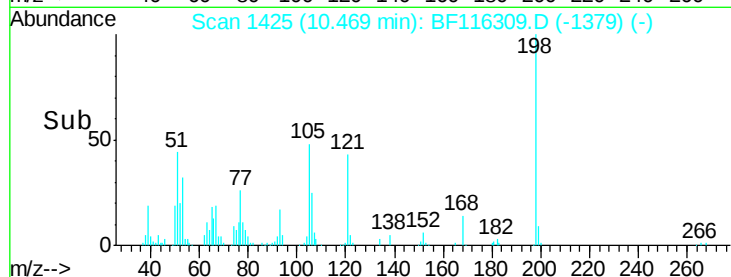
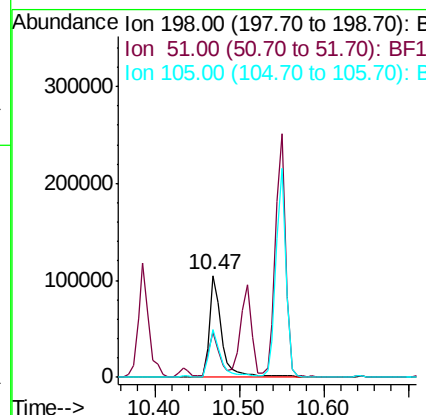
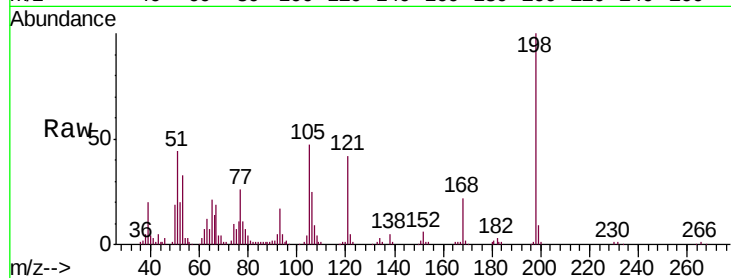




#65
4,6-Dinitro-2-methylphenol
Concen: 43.534 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.03 min
Lab File: BF116309.D
Acq: 16 Aug 2019 9:17

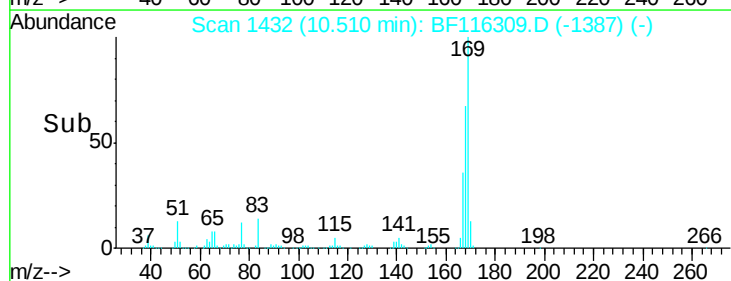
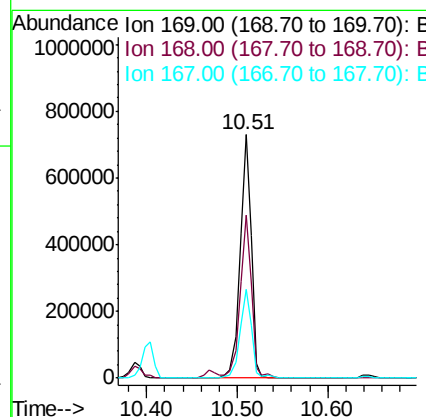
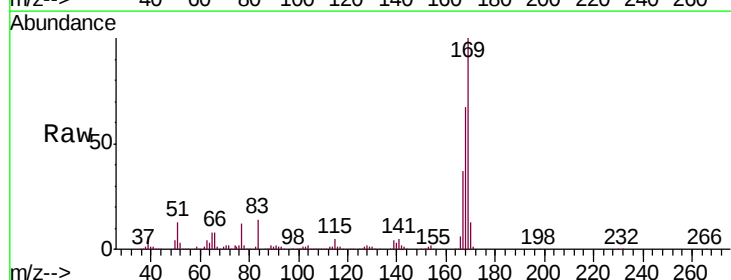
Instrument :
BNA_F
ClientSampleId :
PB122249BS

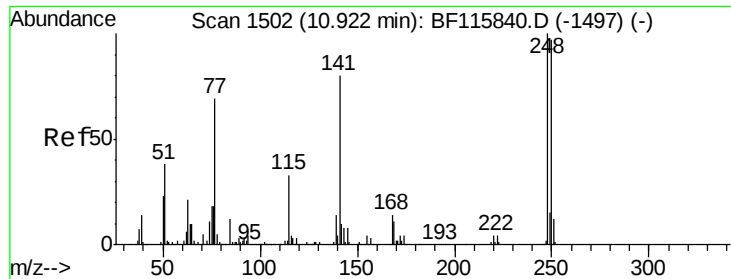
Tgt Ion	Ratio	Lower	Upper
198	100		
51	43.8	17.0	57.0
105	46.8	21.6	61.6



#66
n-Nitrosodiphenylamine
Concen: 45.332 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.04 min
Lab File: BF116309.D
Acq: 16 Aug 2019 9:17

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.8	80.6
167	36.5	29.6	44.4

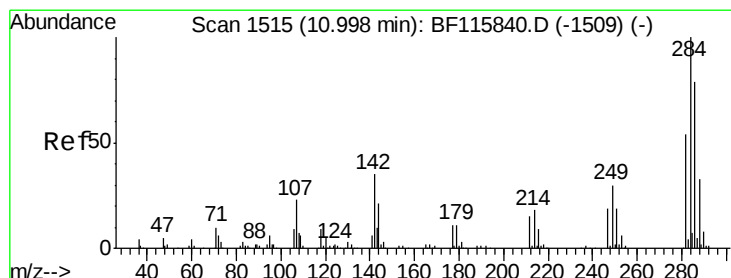
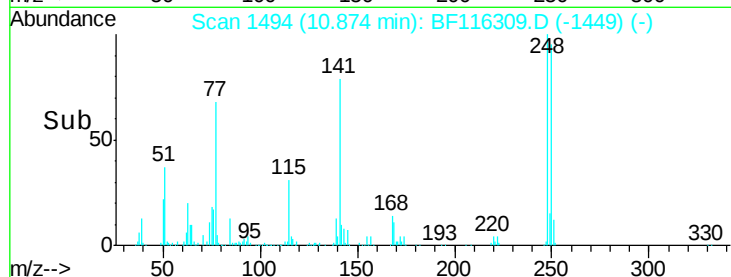
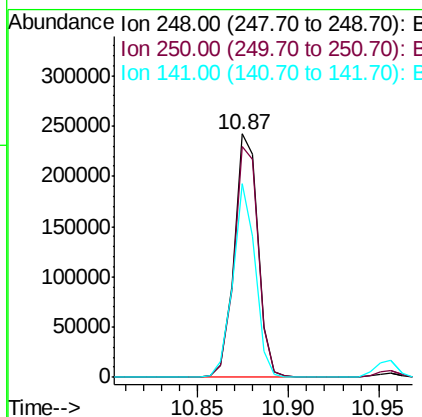
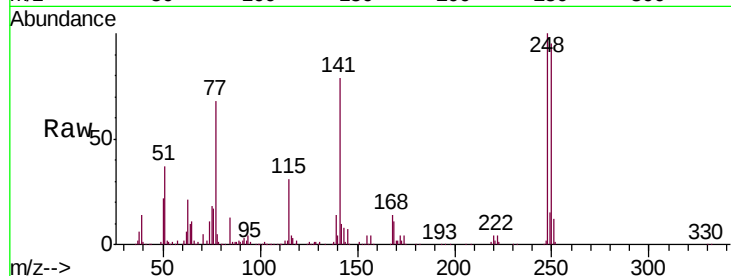




#67
4-Bromophenyl-phenylether
Concen: 43.954 ng
RT: 10.87 min Scan# 1494
Delta R.T. -0.04 min
Lab File: BF116309.D
Acq: 16 Aug 2019 9:17

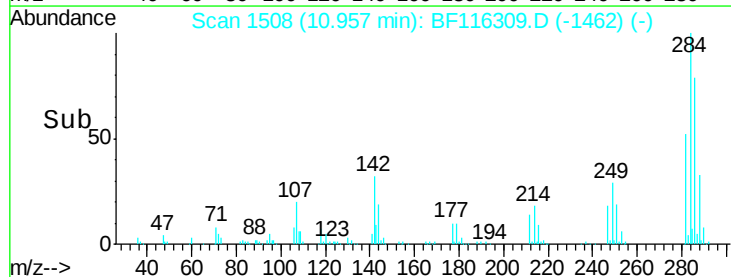
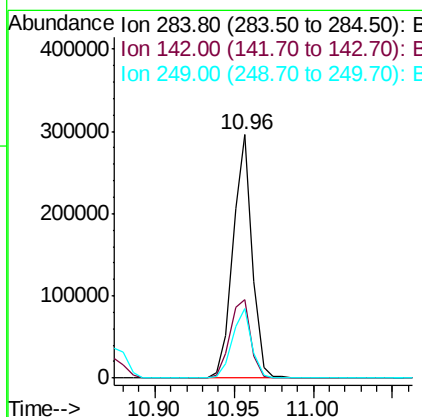
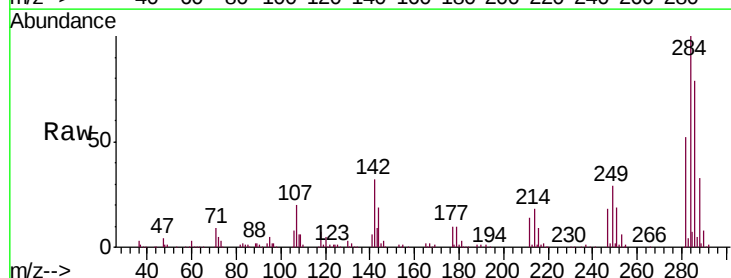
Instrument :
BNA_F
ClientSampleId :
PB122249BS

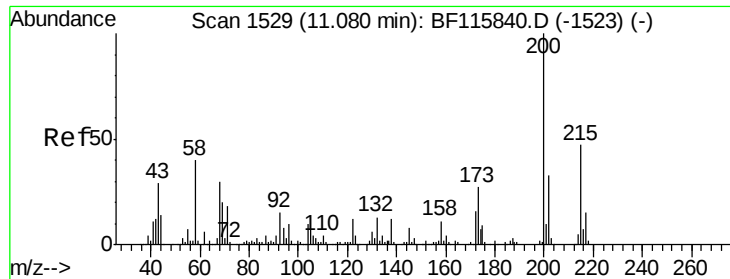
Tgt Ion:248 Resp: 220988
Ion Ratio Lower Upper
248 100
250 95.0 77.4 116.2
141 79.3 56.8 85.2



#68
Hexachlorobenzene
Concen: 42.414 ng
RT: 10.96 min Scan# 1508
Delta R.T. -0.03 min
Lab File: BF116309.D
Acq: 16 Aug 2019 9:17

Tgt Ion:284 Resp: 246584
Ion Ratio Lower Upper
284 100
142 32.0 28.4 42.6
249 28.5 24.5 36.7





#69

Atrazine

Concen: 42.244 ng

RT: 11.04 min Scan# 1522

Delta R.T. -0.03 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

Instrument :

BNA_F

ClientSampleId :

PB122249BS

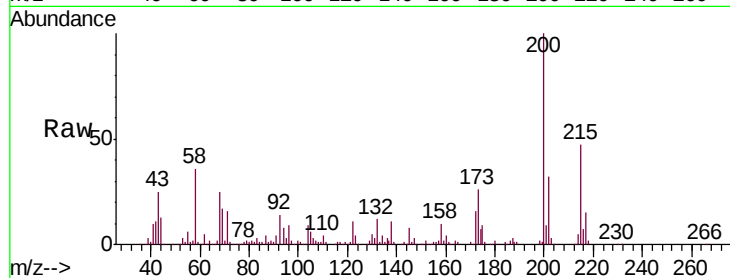
Tgt Ion:200 Resp: 196457

Ion Ratio Lower Upper

200 100

173 25.7 6.8 46.8

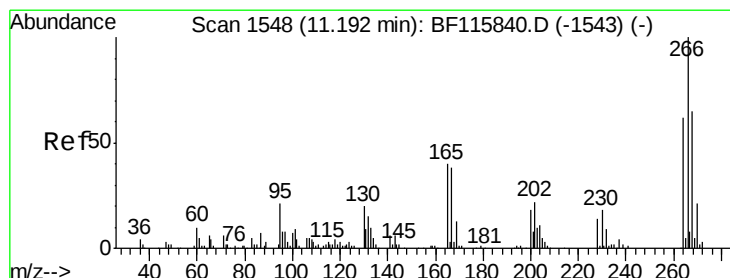
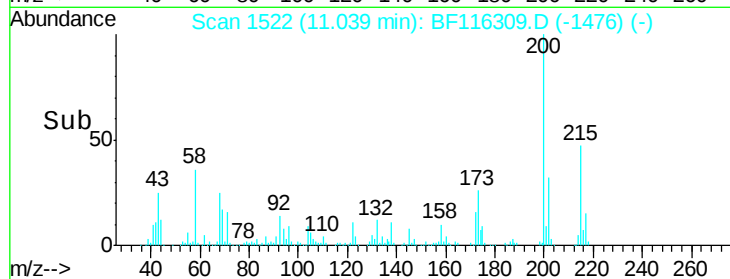
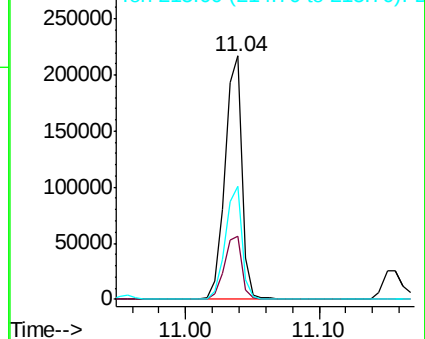
215 46.5 27.5 67.5



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 66.639 ng

RT: 11.16 min Scan# 1542

Delta R.T. -0.02 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

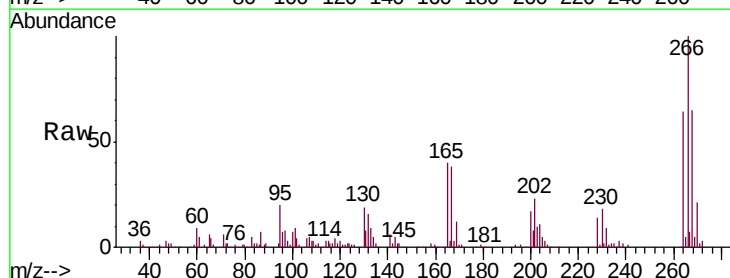
Tgt Ion:266 Resp: 188090

Ion Ratio Lower Upper

266 100

268 64.8 48.8 73.2

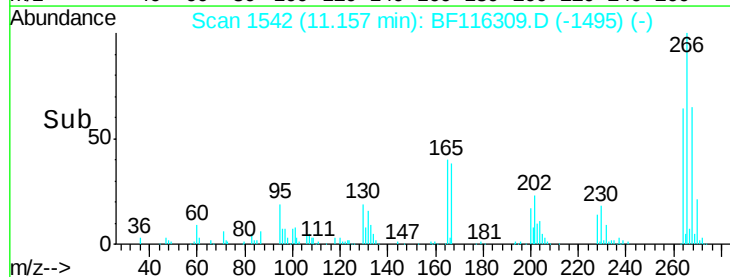
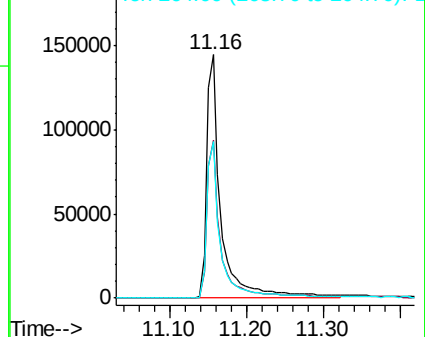
264 64.3 50.6 76.0

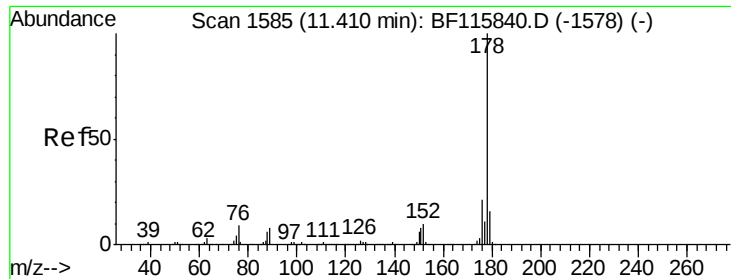


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

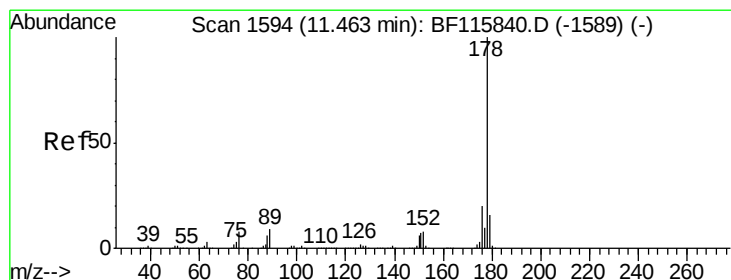
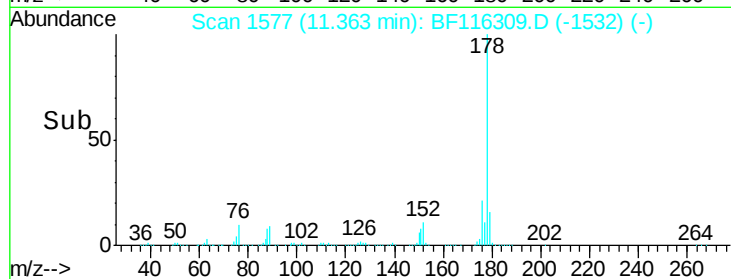
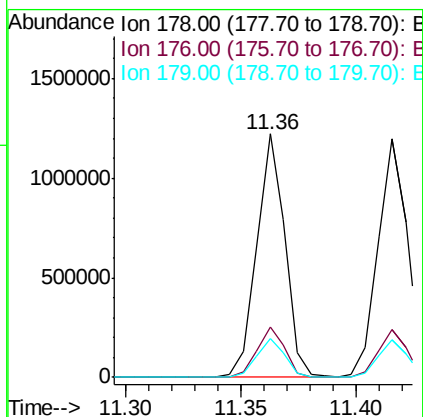
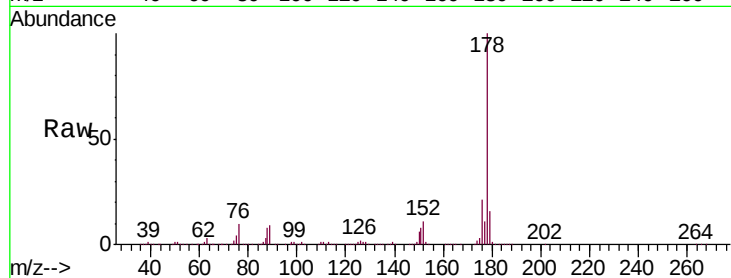




#71
 Phenanthrene
 Concen: 43.553 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.04 min
 Lab File: BF116309.D
 Acq: 16 Aug 2019 9:17

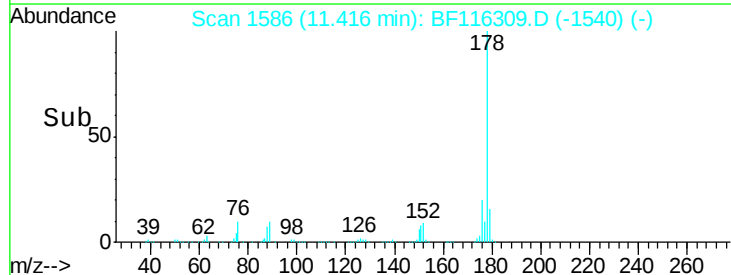
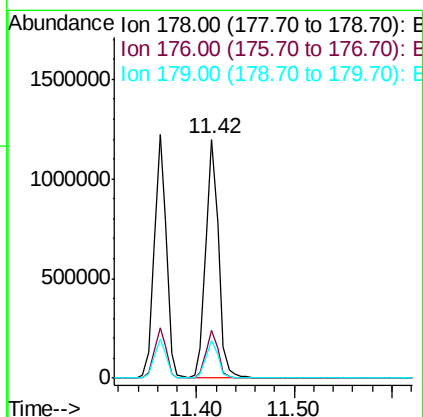
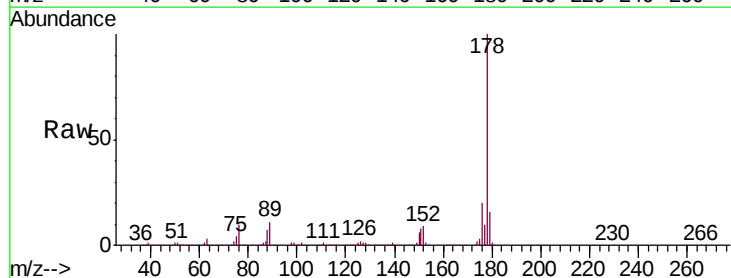
Instrument :
 BNA_F
 ClientSampleId :
 PB122249BS

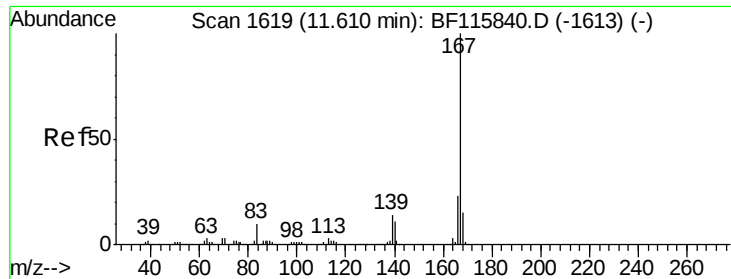
Tgt Ion:178 Resp: 1045708
 Ion Ratio Lower Upper
 178 100
 176 20.8 16.6 24.8
 179 15.7 12.5 18.7



#72
 Anthracene
 Concen: 44.890 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.03 min
 Lab File: BF116309.D
 Acq: 16 Aug 2019 9:17

Tgt Ion:178 Resp: 1090785
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.7 23.5
 179 15.7 13.0 19.6

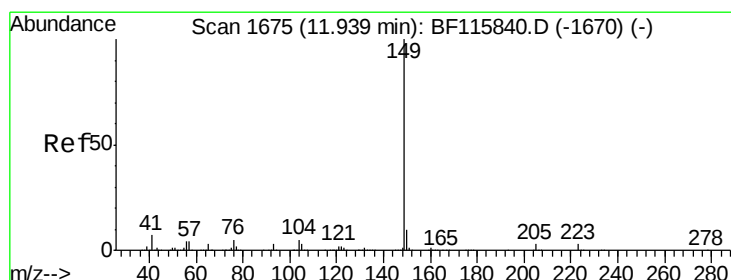
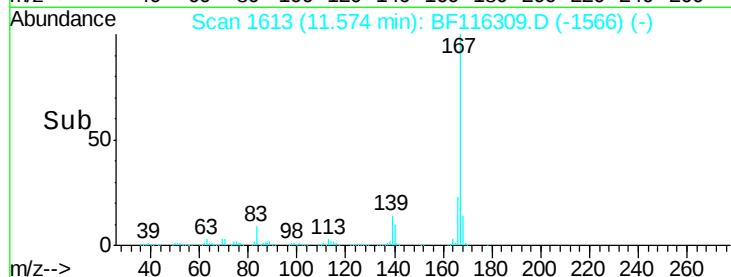
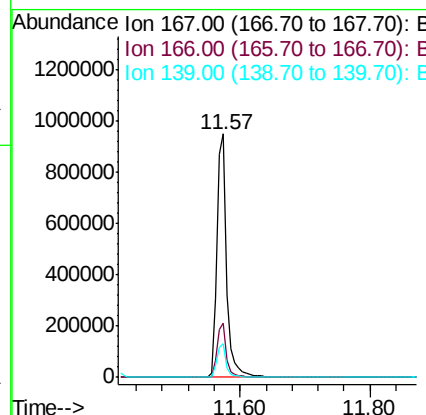
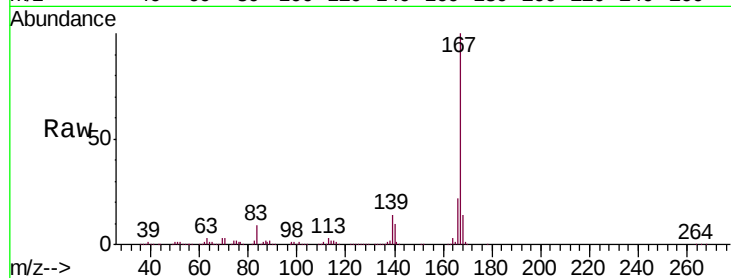




#73
 Carbazole
 Concen: 44.239 ng
 RT: 11.57 min Scan# 1613
 Delta R.T. -0.02 min
 Lab File: BF116309.D
 Acq: 16 Aug 2019 9:17

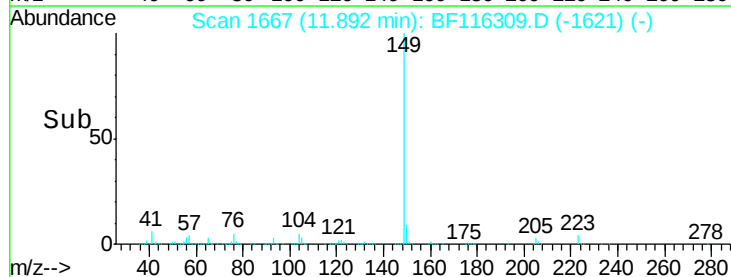
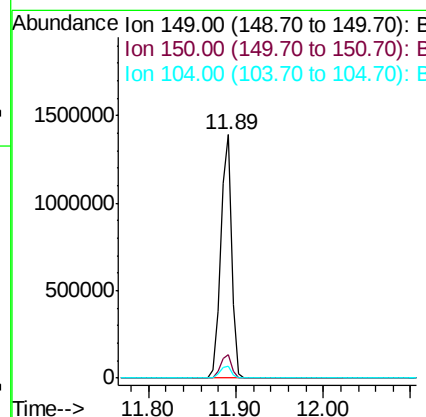
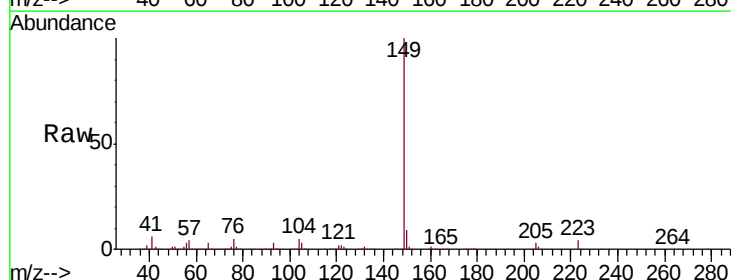
Instrument :
 BNA_F
 ClientSampleId :
 PB122249BS

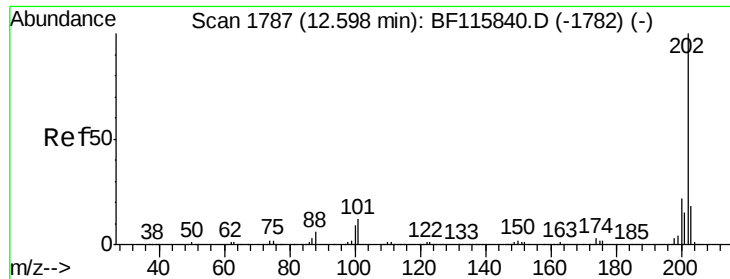
Tgt Ion:167 Resp: 975270
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.8 26.6
 139 13.6 11.4 17.0



#74
 Di-n-butylphthalate
 Concen: 46.670 ng
 RT: 11.89 min Scan# 1667
 Delta R.T. -0.03 min
 Lab File: BF116309.D
 Acq: 16 Aug 2019 9:17

Tgt Ion:149 Resp: 1200214
 Ion Ratio Lower Upper
 149 100
 150 9.4 8.0 12.0
 104 5.1 4.5 6.7

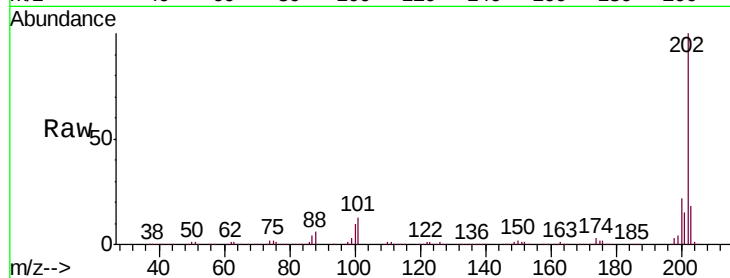




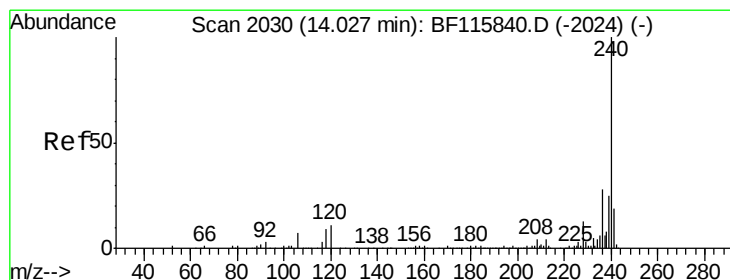
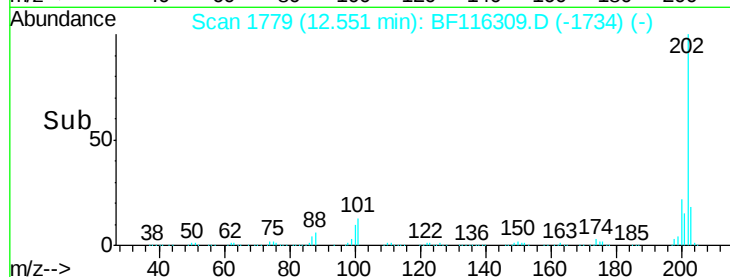
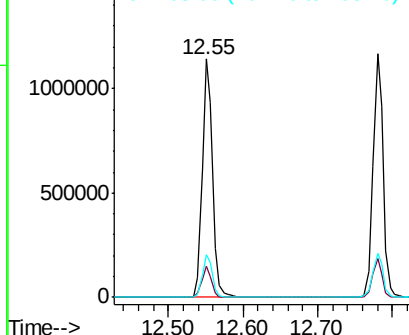
#75
 Fluoranthene
 Concen: 44.266 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. -0.04 min
 Lab File: BF116309.D
 Acq: 16 Aug 2019 9:17

Instrument :
 BNA_F
 ClientSampleId :
 PB122249BS

Tgt Ion: 202 Resp: 1112666
 Ion Ratio Lower Upper
 202 100
 101 13.3 0.0 31.2
 203 18.0 0.0 37.8

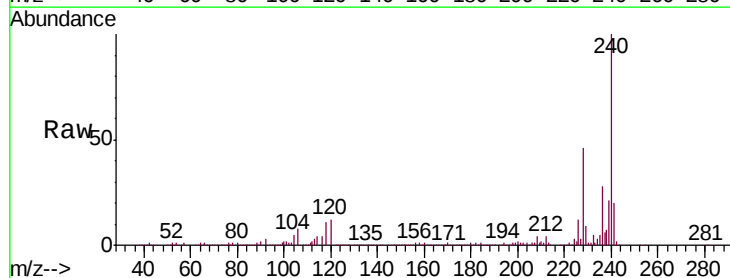


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

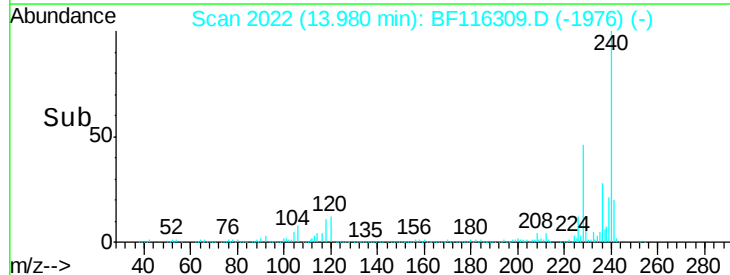
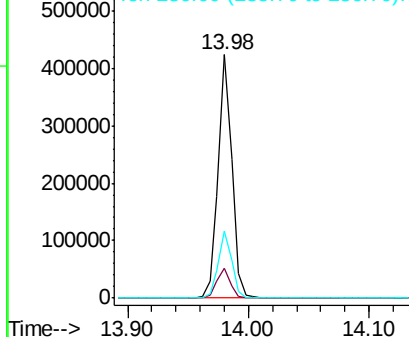


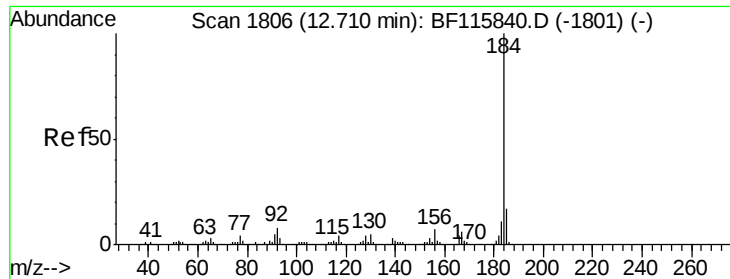
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.03 min
 Lab File: BF116309.D
 Acq: 16 Aug 2019 9:17

Tgt Ion: 240 Resp: 329723
 Ion Ratio Lower Upper
 240 100
 120 12.0 10.7 16.1
 236 27.7 22.2 33.2



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 25.976 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.02 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

Instrument :

BNA_F

ClientSampleId :

PB122249BS

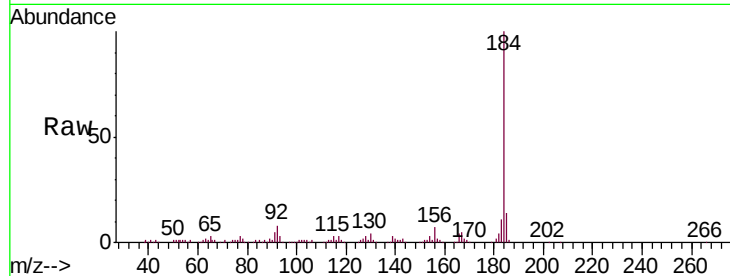
Tgt Ion:184 Resp: 289361

Ion Ratio Lower Upper

184 100

185 14.3 12.8 19.2

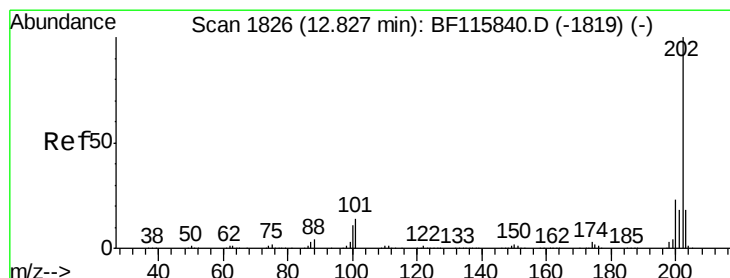
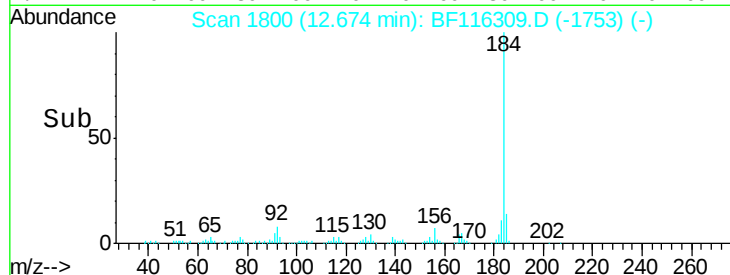
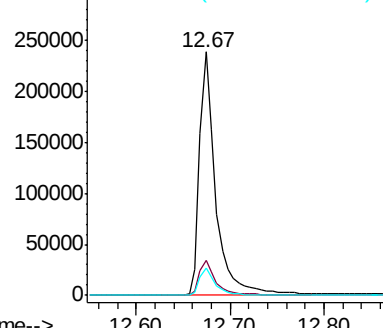
183 11.3 9.4 14.0



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 44.783 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.04 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

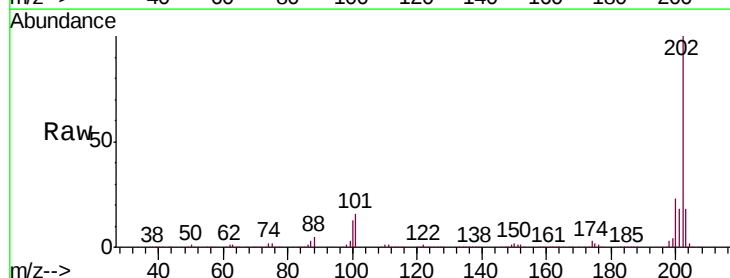
Tgt Ion:202 Resp: 1113085

Ion Ratio Lower Upper

202 100

200 22.9 18.0 27.0

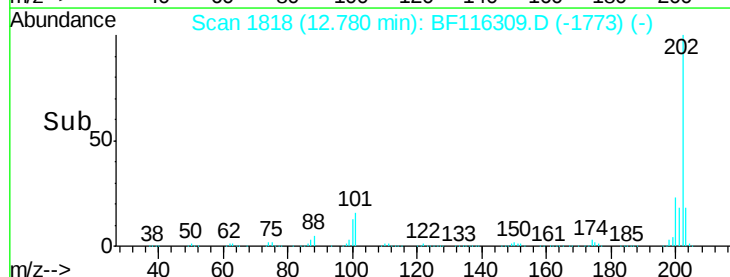
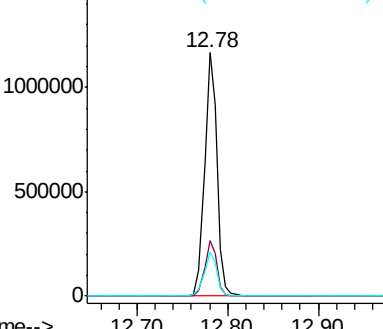
203 18.1 14.1 21.1

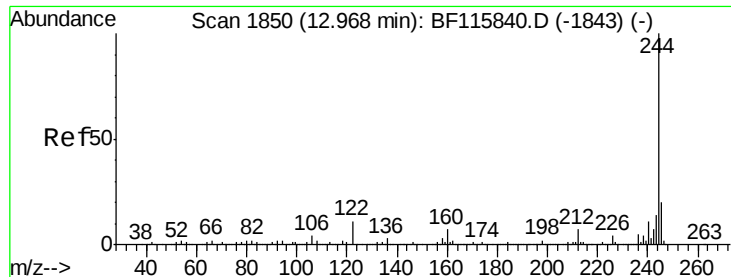


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 86.021 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.04 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

Instrument :

BNA_F

ClientSampleId :

PB122249BS

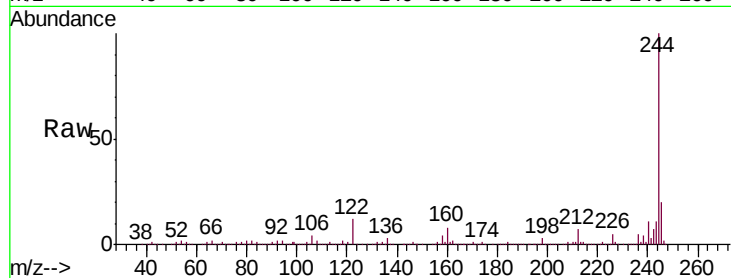
Tgt Ion:244 Resp: 1346036

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

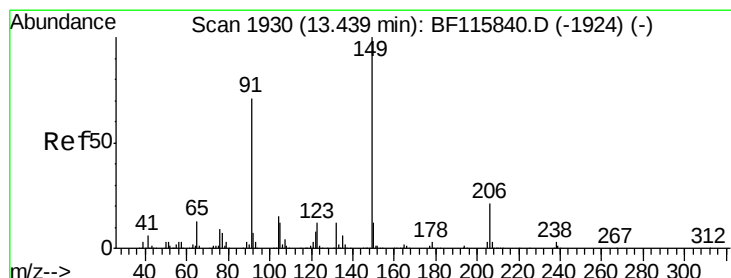
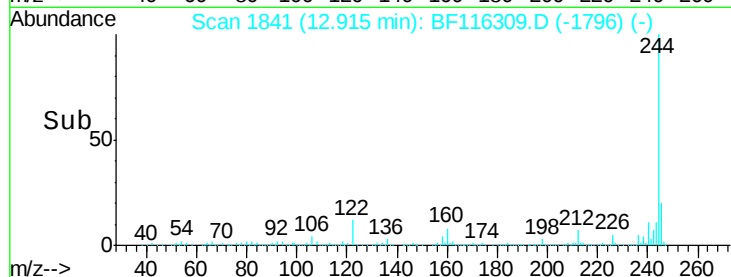
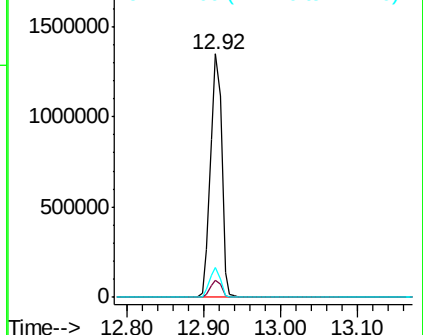
122 12.0 9.0 13.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 47.949 ng

RT: 13.39 min Scan# 1921

Delta R.T. -0.04 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

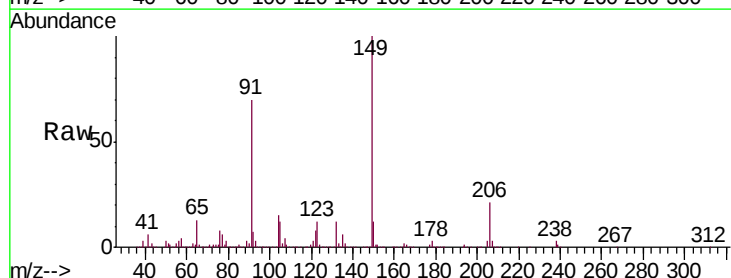
Tgt Ion:149 Resp: 504127

Ion Ratio Lower Upper

149 100

91 70.3 56.3 84.5

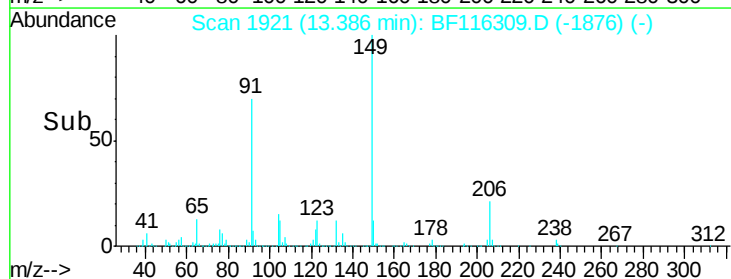
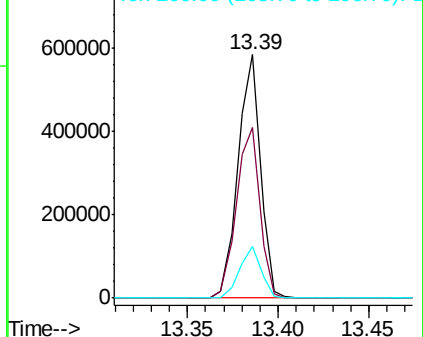
206 21.3 18.0 27.0

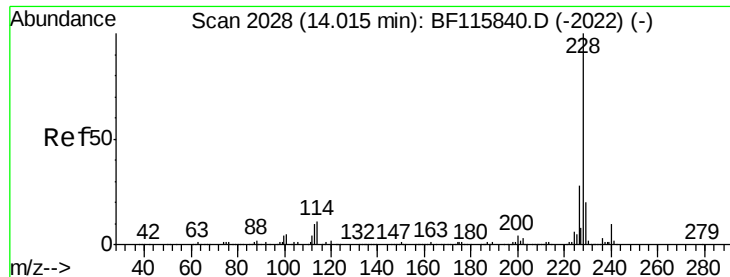


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 43.037 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.03 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

Instrument :

BNA_F

ClientSampleId :

PB122249BS

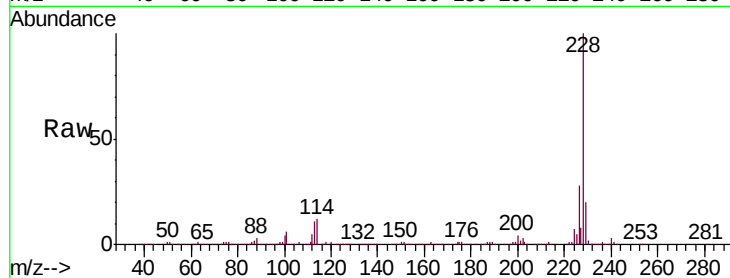
Tgt Ion:228 Resp: 906987

Ion Ratio Lower Upper

228 100

226 27.9 22.7 34.1

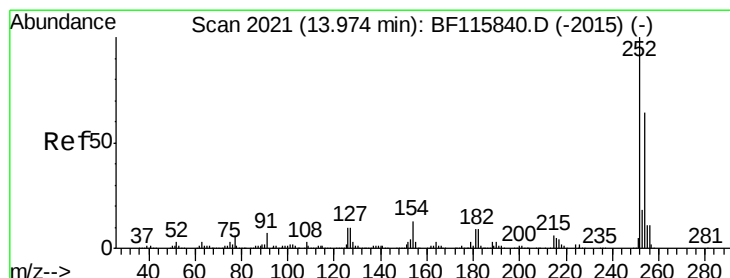
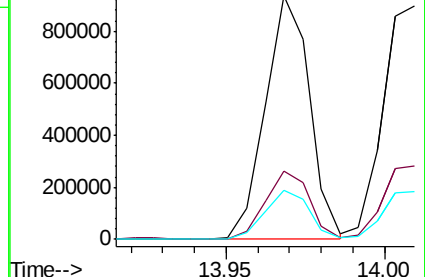
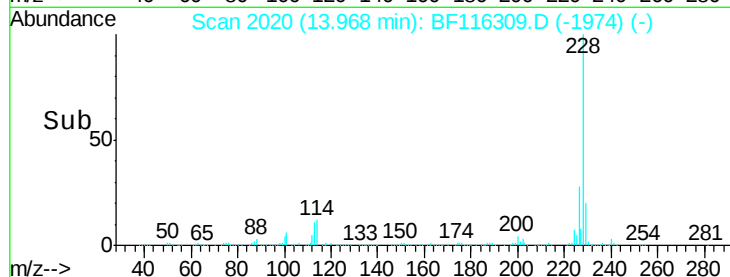
229 20.3 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 39.958 ng

RT: 13.93 min Scan# 2013

Delta R.T. -0.03 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

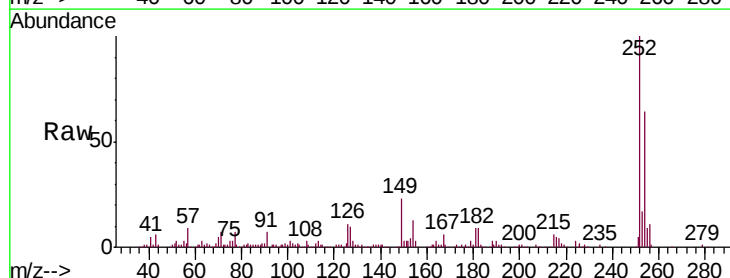
Tgt Ion:252 Resp: 292565

Ion Ratio Lower Upper

252 100

254 64.0 50.9 76.3

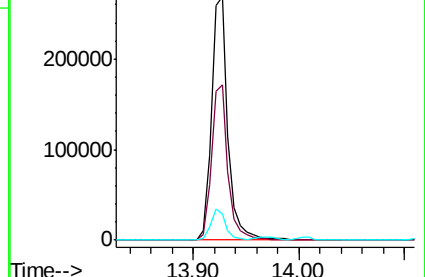
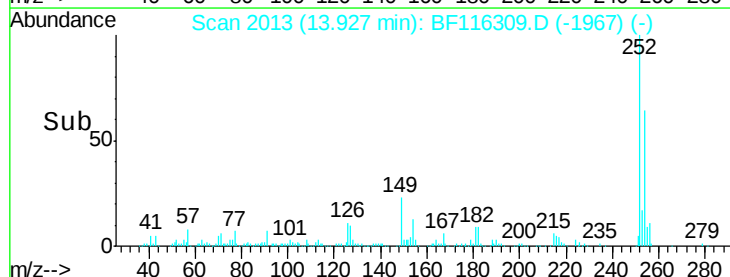
126 10.7 9.8 14.8

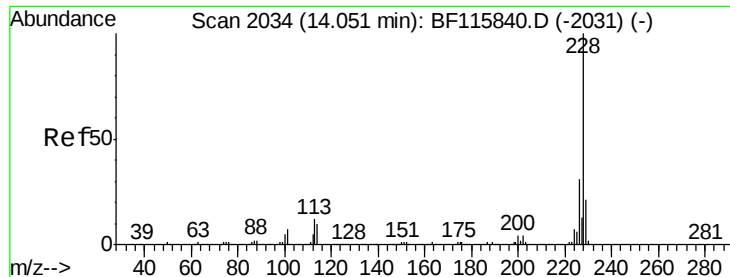


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 44.104 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.03 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

Instrument :

BNA_F

ClientSampleId :

PB122249BS

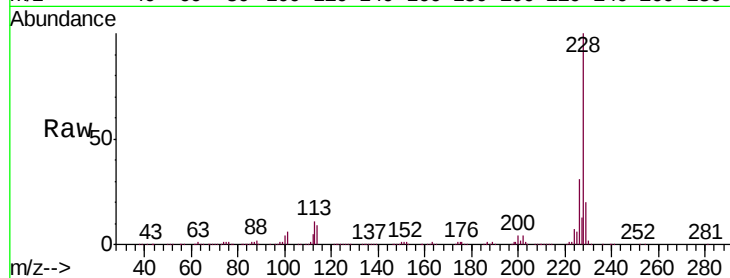
Tgt Ion:228 Resp: 902389

Ion Ratio Lower Upper

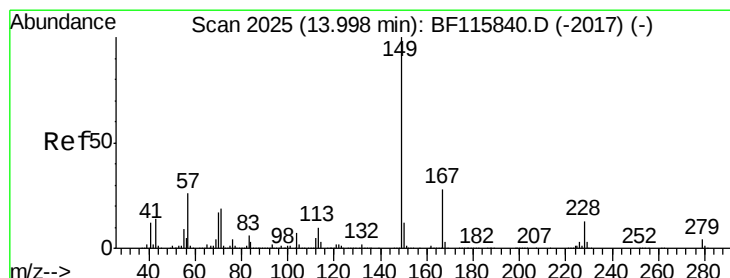
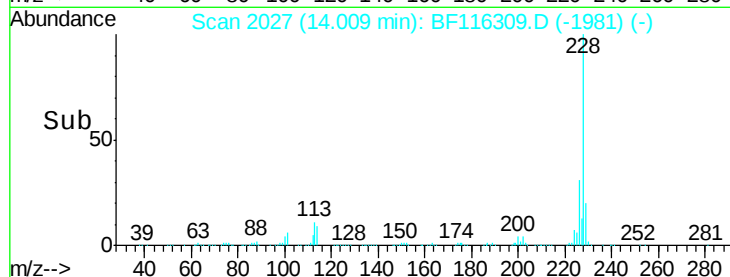
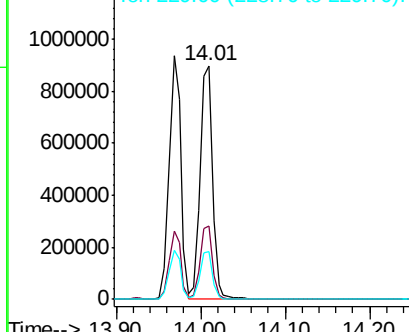
228 100

226 31.2 25.5 38.3

229 20.4 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.456 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.04 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

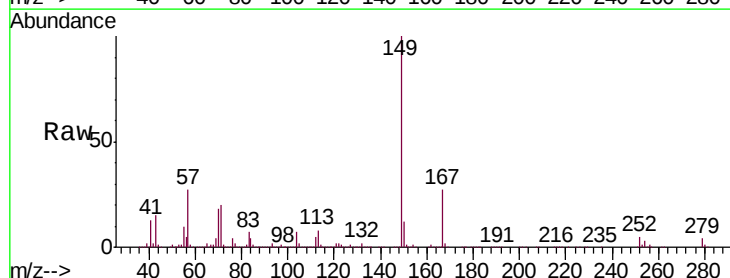
Tgt Ion:149 Resp: 703016

Ion Ratio Lower Upper

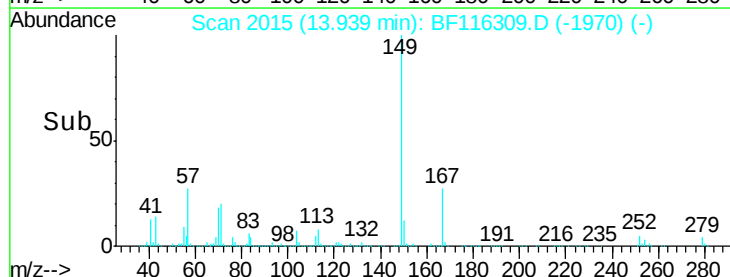
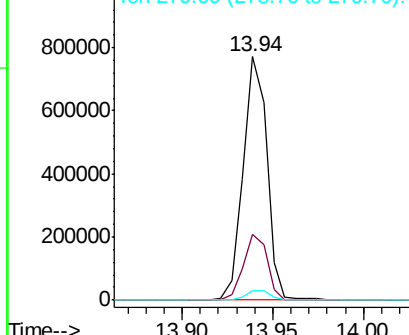
149 100

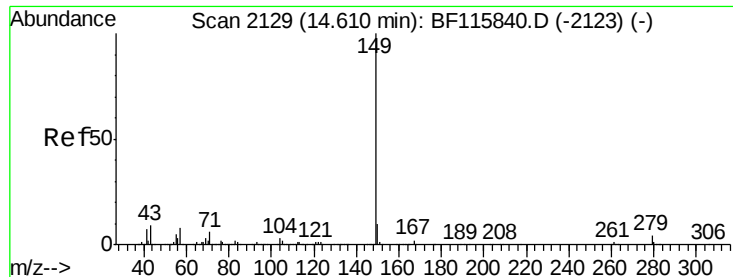
167 27.2 21.6 32.4

279 3.7 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

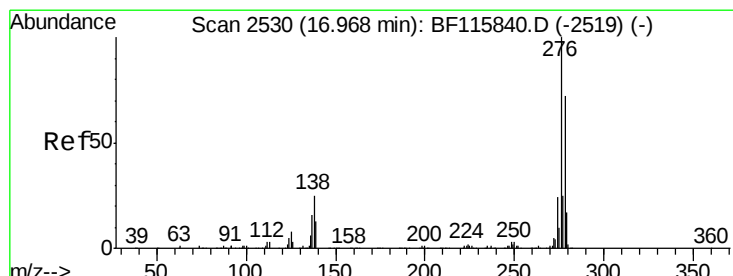
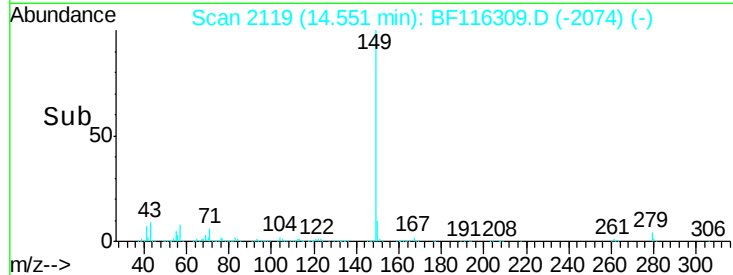
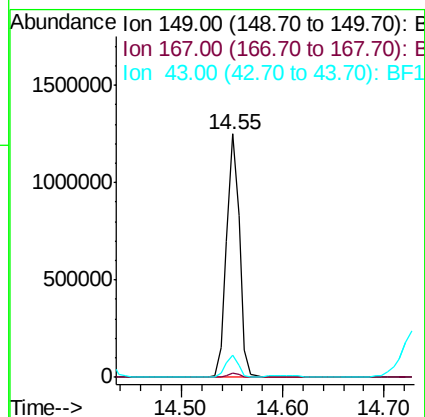
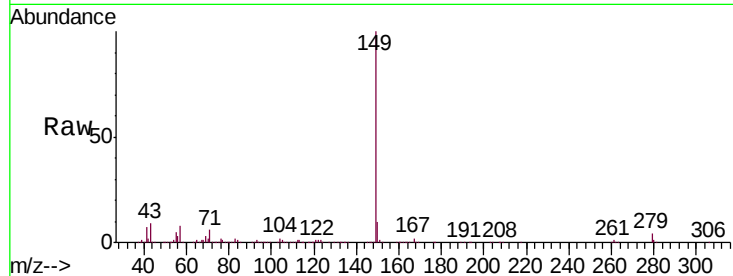




#85
Di-n-octyl phthalate
Concen: 50.938 ng
RT: 14.55 min Scan# 2119
Delta R.T. -0.04 min
Lab File: BF116309.D
Acq: 16 Aug 2019 9:17

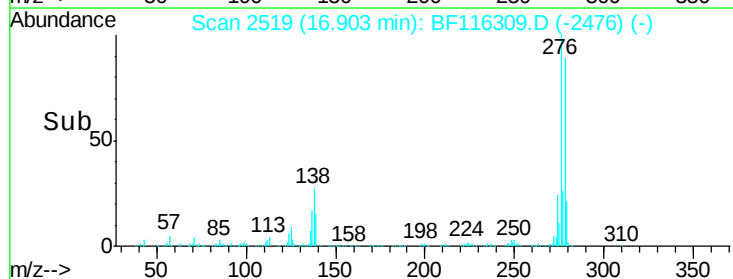
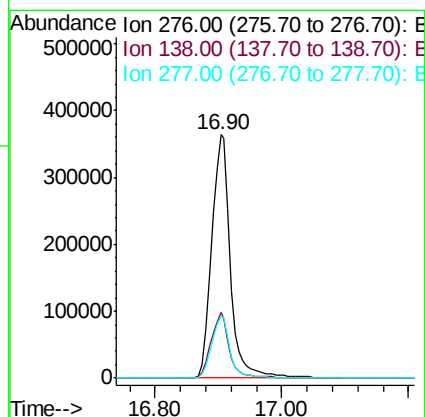
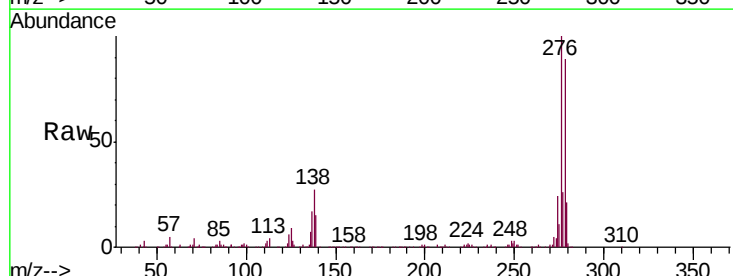
Instrument :
BNA_F
ClientSampleId :
PB122249BS

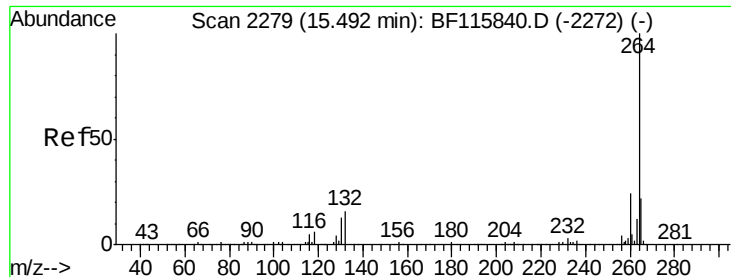
Tgt Ion:149 Resp: 1105403
Ion Ratio Lower Upper
149 100
167 1.6 1.4 2.0
43 8.8 7.5 11.3



#86
Indeno(1,2,3-cd)pyrene
Concen: 44.560 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.05 min
Lab File: BF116309.D
Acq: 16 Aug 2019 9:17

Tgt Ion:276 Resp: 765737
Ion Ratio Lower Upper
276 100
138 26.2 20.4 30.6
277 25.2 20.0 30.0



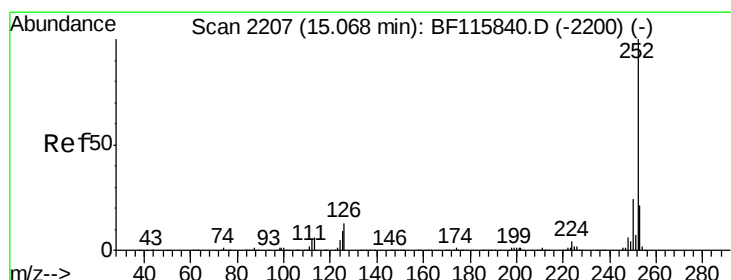
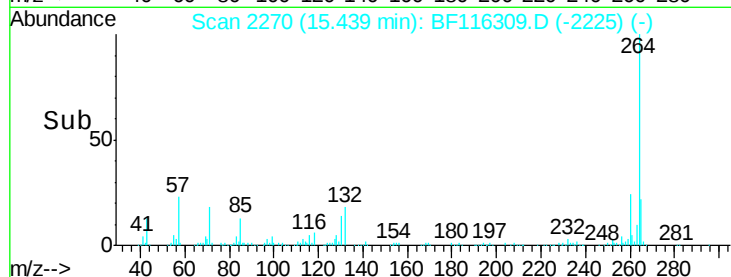
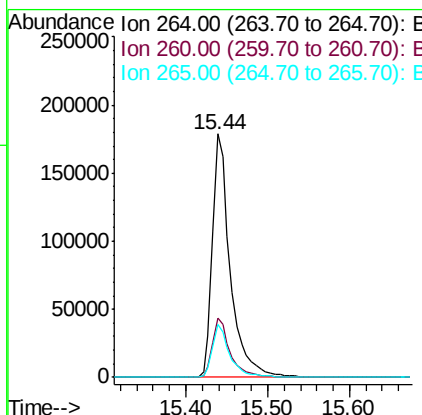
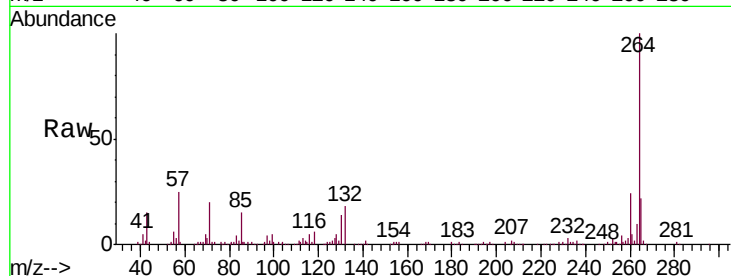


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.04 min
Lab File: BF116309.D
Acq: 16 Aug 2019 9:17

Instrument :
BNA_F
ClientSampleId :
PB122249BS

Tgt Ion: 264 Resp: 272322

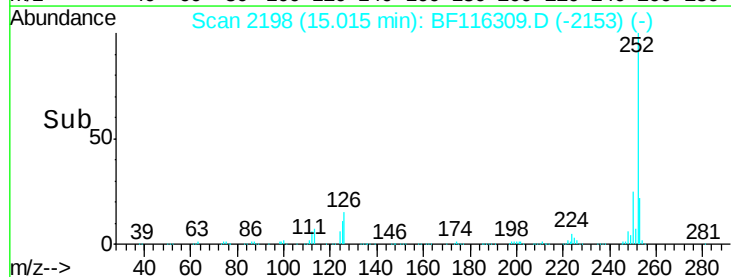
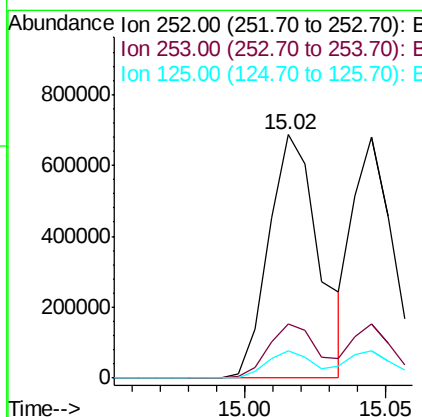
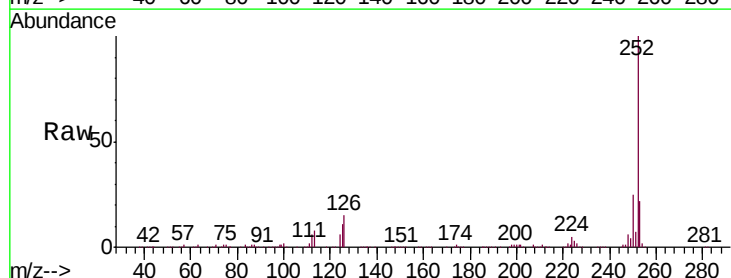
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.7	29.5
265	21.6	17.4	26.0

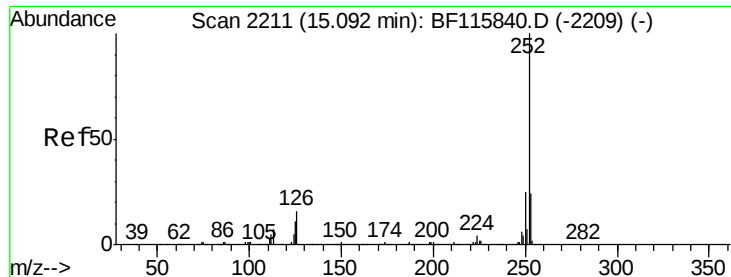


#88
Benzo(b)fluoranthene
Concen: 53.912 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.04 min
Lab File: BF116309.D
Acq: 16 Aug 2019 9:17

Tgt Ion: 252 Resp: 848901

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	11.4	8.4	12.6





#89

Benzo(k)fluoranthene

Concen: 45.993 ng

RT: 15.04 min Scan# 2203

Delta R.T. -0.04 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

Instrument :

BNA_F

ClientSampleId :

PB122249BS

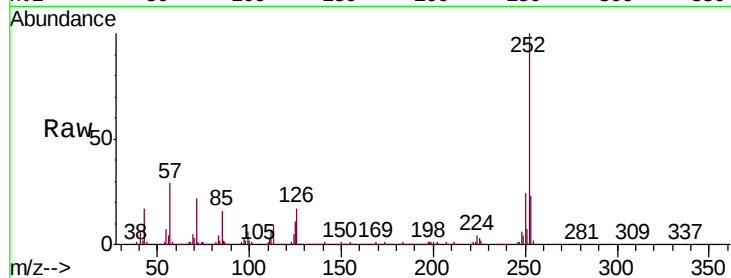
Tgt Ion:252 Resp: 705384

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.8

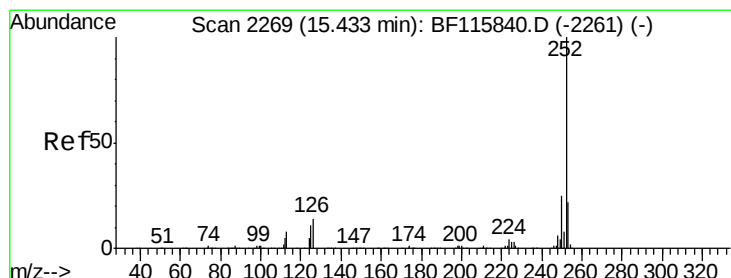
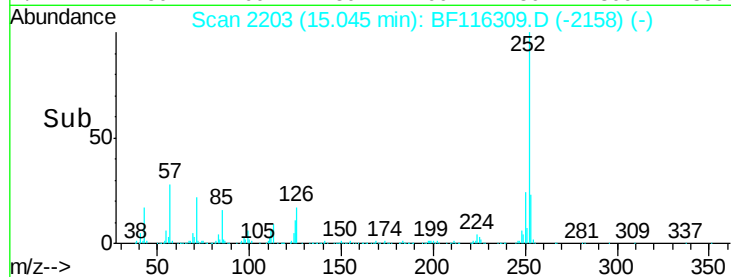
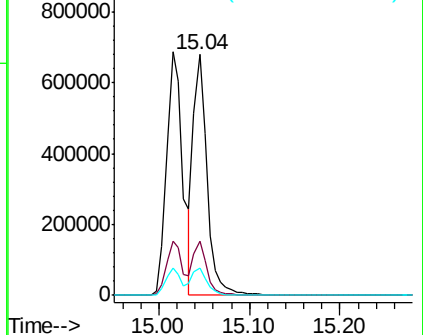
125 11.5 7.7 11.5



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 54.060 ng

RT: 15.38 min Scan# 2260

Delta R.T. -0.04 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

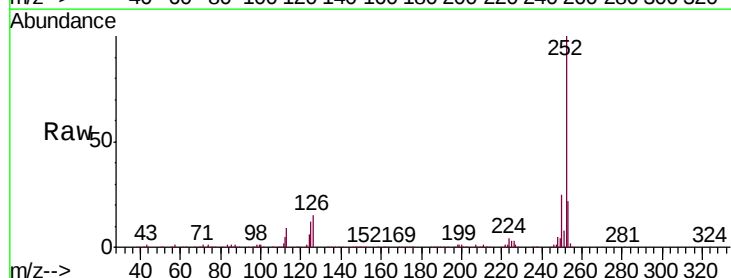
Tgt Ion:252 Resp: 760936

Ion Ratio Lower Upper

252 100

253 22.2 18.0 27.0

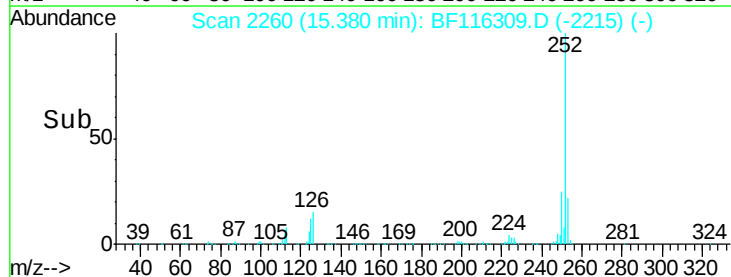
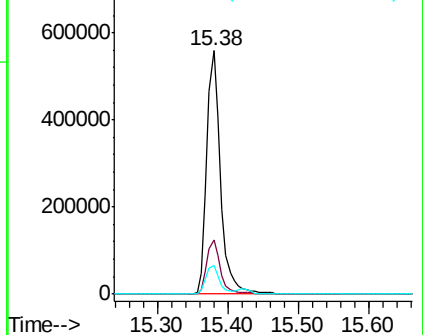
125 11.6 8.9 13.3

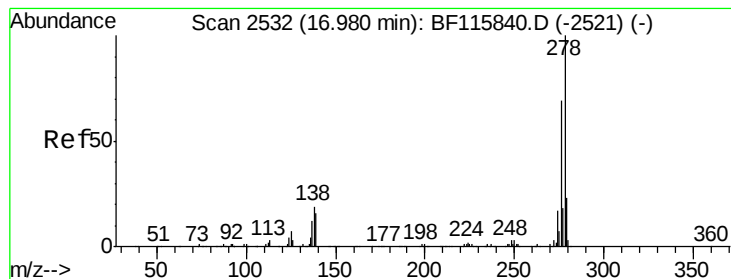


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 54.282 ng

RT: 16.90 min Scan# 2519

Delta R.T. -0.05 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

Instrument :

BNA_F

ClientSampleId :

PB122249BS

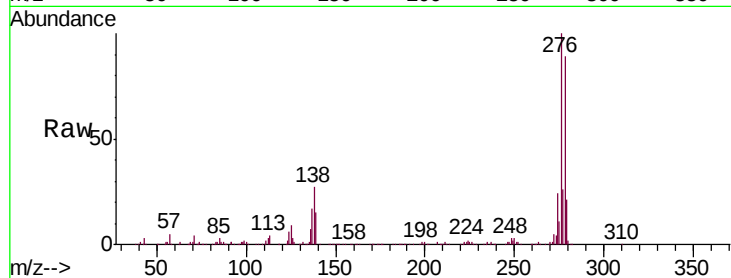
Tgt Ion:278 Resp: 661372

Ion Ratio Lower Upper

278 100

139 16.7 12.8 19.2

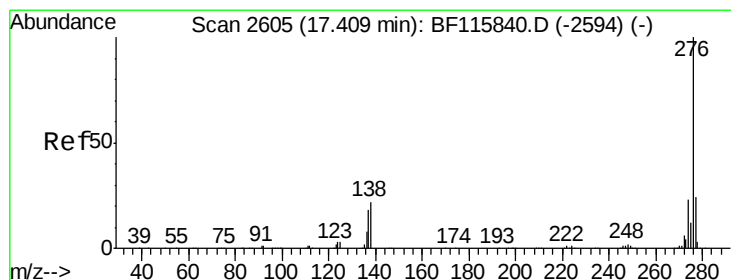
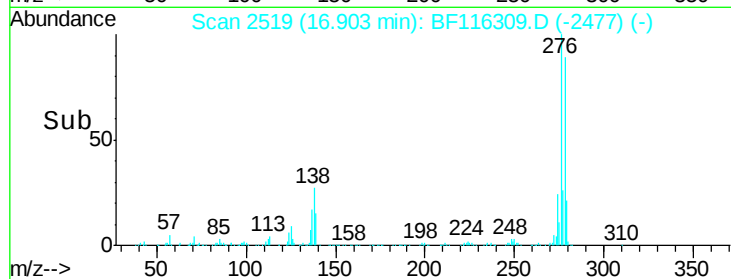
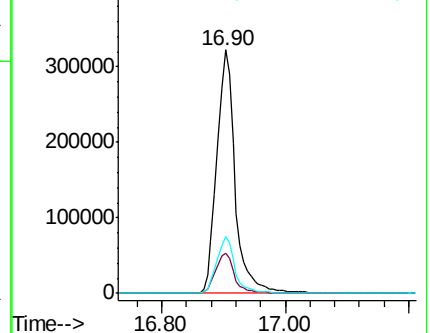
279 23.4 18.8 28.2



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 54.268 ng

RT: 17.34 min Scan# 2593

Delta R.T. -0.05 min

Lab File: BF116309.D

Acq: 16 Aug 2019 9:17

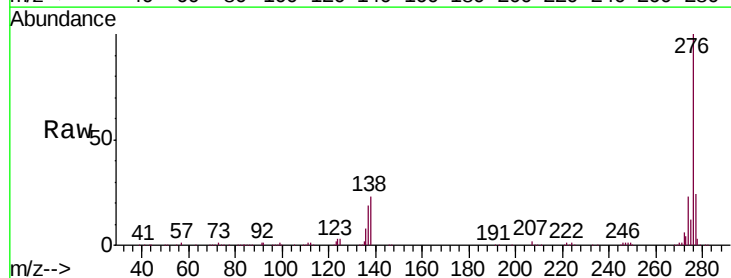
Tgt Ion:276 Resp: 649362

Ion Ratio Lower Upper

276 100

277 24.4 18.4 27.6

138 23.0 17.0 25.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

