

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080919\
 Data File : BF116117.D
 Acq On : 9 Aug 2019 17:28
 Operator : HP/JU
 Sample : SSTDC0040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 10 04:34:06 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	6.84	152	183244	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	755500	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	398748	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	679053	20.00	ng	0.00
76) Chrysene-d12	14.01	240	448846	20.00	ng	0.00
87) Perylene-d12	15.47	264	413308	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	886942	81.03	ng	0.00
7) Phenol-d6	6.49	99	1140256	82.57	ng	0.00
23) Nitrobenzene-d5	7.41	82	1060669	81.04	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	314522	81.36	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1672714	78.57	ng	0.00
79) Terphenyl-d14	12.94	244	1841318	86.44	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.59	88	214534	38.796	ng	100
3) Pyridine	3.35	79	574380	37.183	ng	99
4) n-Nitrosodimethylamine	3.32	42	242627	39.801	ng	98
6) Aniline	6.51	93	771726	39.019	ng	97
8) 2-Chlorophenol	6.63	128	515102	42.556	ng	99
9) Benzaldehyde	6.39	77	351987	36.939	ng	97
10) Phenol	6.50	94	650381	39.991	ng	99
11) bis(2-Chloroethyl)ether	6.58	93	516250	43.176	ng	99
12) 1,3-Dichlorobenzene	6.79	146	573276	40.981	ng	98
13) 1,4-Dichlorobenzene	6.86	146	573188	40.923	ng	100
14) 1,2-Dichlorobenzene	7.02	146	517856	40.153	ng	98
15) Benzyl Alcohol	6.99	79	418549	39.935	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.12	45	675391	41.412	ng	93
17) 2-Methylphenol	7.10	107	429661	41.922	ng	98
18) Hexachloroethane	7.35	117	217035	42.087	ng	98
19) n-Nitroso-di-n-propylamine	7.26	70	351071	41.023	ng	98
20) 3+4-Methylphenols	7.26	107	495926	40.889	ng	97
22) Acetophenone	7.26	105	665275	40.151	ng	98
24) Nitrobenzene	7.43	77	583347	41.277	ng	99
25) Isophorone	7.67	82	1066817	42.627	ng	100
26) 2-Nitrophenol	7.75	139	298531	44.813	ng	93
27) 2,4-Dimethylphenol	7.78	122	401497	40.060	ng	99
28) bis(2-Chloroethoxy)methane	7.87	93	656320	42.310	ng	99
29) 2,4-Dichlorophenol	7.99	162	447057	42.245	ng	98
30) 1,2,4-Trichlorobenzene	8.07	180	496859	41.189	ng	98
31) Naphthalene	8.15	128	1449351	40.767	ng	99
32) Benzoic acid	7.95	122	292317	41.369	ng	98
33) 4-Chloroaniline	8.19	127	627489	39.502	ng	99
34) Hexachlorobutadiene	8.26	225	287436	41.368	ng	99
35) Caprolactam	8.59	113	116458	34.026	ng	91
36) 4-Chloro-3-methylphenol	8.69	107	471100	42.792	ng	96
37) 2-Methylnaphthalene	8.83	142	950110	40.578	ng	100
38) 1-Methylnaphthalene	8.93	142	906107	40.906	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	440182	41.292	ng	100

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.99	237	177107	40.190	ng	99
43) 2,4,6-Trichlorophenol	9.12	196	290211	39.552	ng	100
44) 2,4,5-Trichlorophenol	9.16	196	307207	40.503	ng	98
46) 1,1'-Biphenyl	9.30	154	1145558	40.693	ng	100
47) 2-Chloronaphthalene	9.33	162	944588	40.315	ng	100
48) 2-Nitroaniline	9.43	65	313716	40.508	ng	98
49) Acenaphthylene	9.74	152	1353258	39.589	ng	100
50) Dimethylphthalate	9.60	163	1131557	41.678	ng	100
51) 2,6-Dinitrotoluene	9.67	165	245828	41.664	ng	94
52) Acenaphthene	9.92	154	837009	39.913	ng	100
53) 3-Nitroaniline	9.84	138	289661	39.731	ng	100
54) 2,4-Dinitrophenol	9.96	184	101590	38.359	ng	96
55) Dibenzofuran	10.09	168	1171116	38.401	ng	99
56) 4-Nitrophenol	10.01	139	159894	34.236	ng	98
57) 2,4-Dinitrotoluene	10.07	165	301255	38.349	ng	96
58) Fluorene	10.43	166	951727	40.562	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.21	232	253057	39.657	ng	98
60) Diethylphthalate	10.30	149	1051207	41.471	ng	100
61) 4-Chlorophenyl-phenylether	10.42	204	484932	40.809	ng	99
62) 4-Nitroaniline	10.46	138	299419	39.741	ng	98
63) Azobenzene	10.57	77	1075936	41.268	ng	100
65) 4,6-Dinitro-2-methylphenol	10.49	198	163857	45.534	ng	95
66) n-Nitrosodiphenylamine	10.54	169	850906	41.632	ng	99
67) 4-Bromophenyl-phenylether	10.90	248	310333	42.691	ng	99
68) Hexachlorobenzene	10.98	284	348371	41.444	ng	99
69) Atrazine	11.06	200	221284	32.910	ng	99
70) Pentachlorophenol	11.18	266	146027	35.783	ng	98
71) Phenanthrene	11.39	178	1402004	40.387	ng	100
72) Anthracene	11.45	178	1428189	40.651	ng	99
73) Carbazole	11.60	167	1334625	41.872	ng	99
74) Di-n-butylphthalate	11.92	149	1599699	43.023	ng	100
75) Fluoranthene	12.58	202	1476623	40.630	ng	98
77) Benzidine	12.70	184	670687	44.229	ng	98
78) Pyrene	12.81	202	1480012	43.742	ng	99
80) Butylbenzylphthalate	13.41	149	674519	47.129	ng	94
81) Benzo(a)anthracene	14.00	228	1247637	43.489	ng	100
82) 3,3'-Dichlorobenzidine	13.95	252	444839	44.631	ng	99
83) Chrysene	14.03	228	1196274	42.951	ng	99
84) Bis(2-ethylhexyl)phthalate	13.97	149	894558	48.098	ng	99
85) Di-n-octyl phthalate	14.58	149	1337987	45.292	ng	100
86) Indeno(1,2,3-cd)pyrene	16.95	276	972862	41.588	ng	100
88) Benzo(b)fluoranthene	15.04	252	977175	40.889	ng	99
89) Benzo(k)fluoranthene	15.07	252	974162	41.851	ng	99
90) Benzo(a)pyrene	15.41	252	888372	41.585	ng	98
91) Dibenzo(a,h)anthracene	16.95	278	800894	43.310	ng	98
92) Benzo(g,h,i)perylene	17.39	276	816874	44.980	ng	99

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

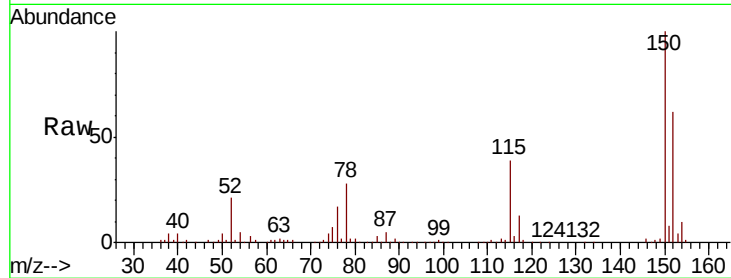


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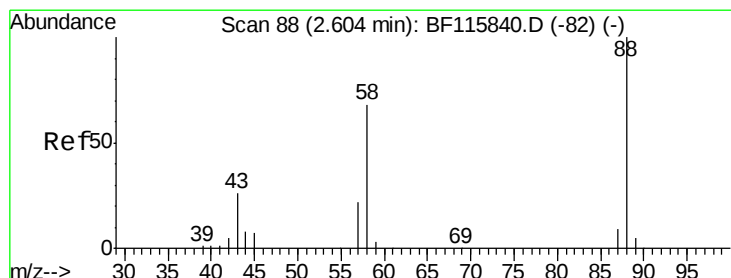
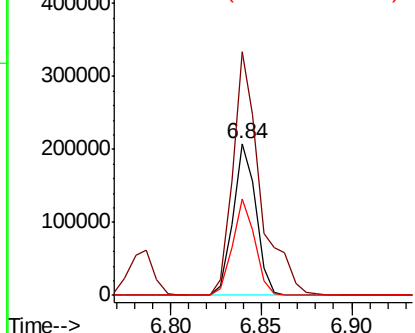
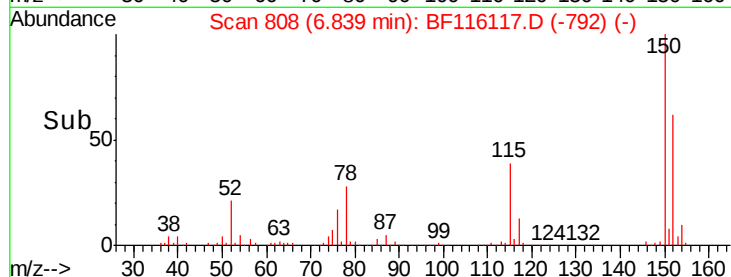
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116117.D
Acq: 9 Aug 2019 17:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 183244
Ion Ratio Lower Upper
152 100
150 160.1 126.2 189.2
115 63.0 49.9 74.9



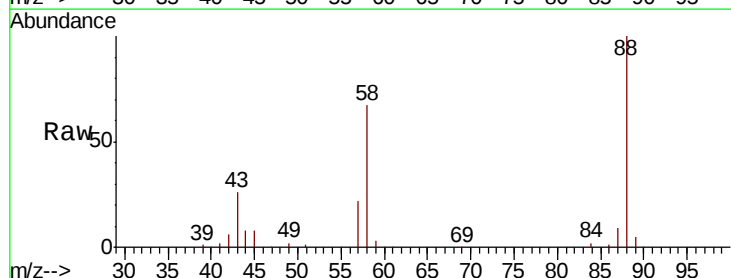
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



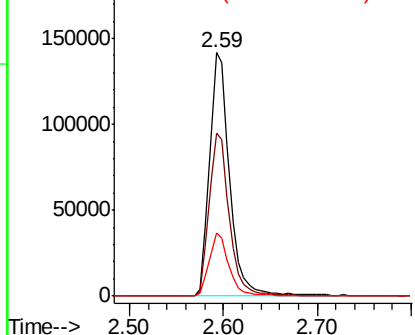
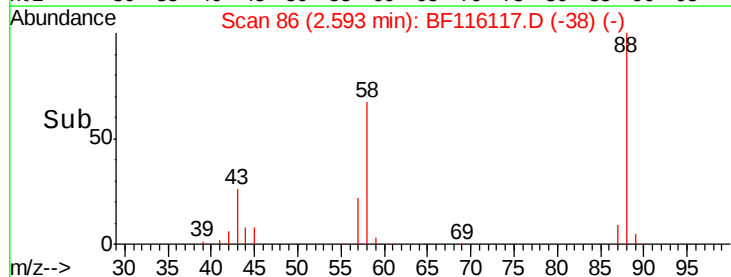
#2

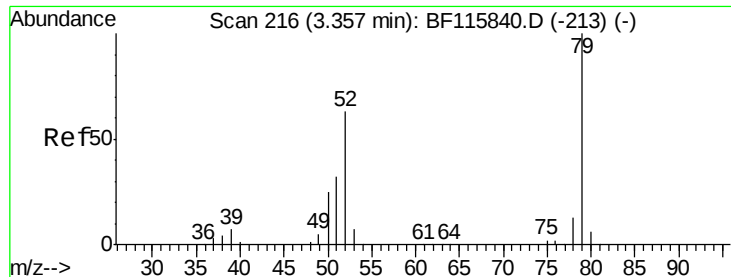
1,4-Dioxane
Concen: 38.796 ng
RT: 2.59 min Scan# 86
Delta R.T. -0.02 min
Lab File: BF116117.D
Acq: 9 Aug 2019 17:28

Tgt Ion: 88 Resp: 214534
Ion Ratio Lower Upper
88 100
58 67.1 53.7 80.5
43 25.7 21.0 31.4



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 37.183 ng

RT: 3.35 min Scan# 215

Delta R.T. -0.01 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

Instrument :

BNA_F

ClientSampleId :

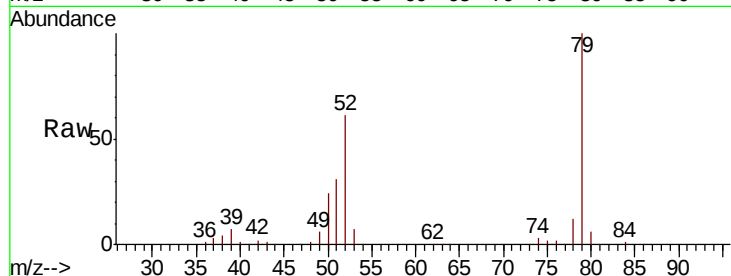
Tot Ion: 79 Resp: 574380

Ion Ratio Lower Upper

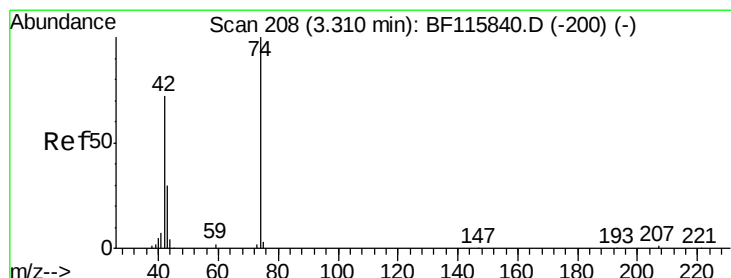
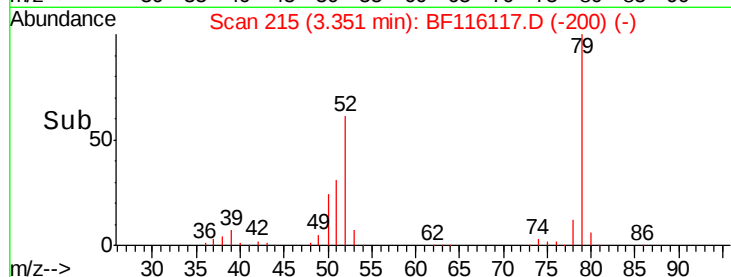
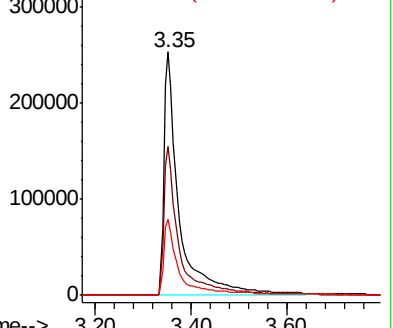
79 100

52 61.3 49.8 74.8

51 31.4 25.2 37.8



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 39.801 ng

RT: 3.32 min Scan# 210

Delta R.T. -0.01 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

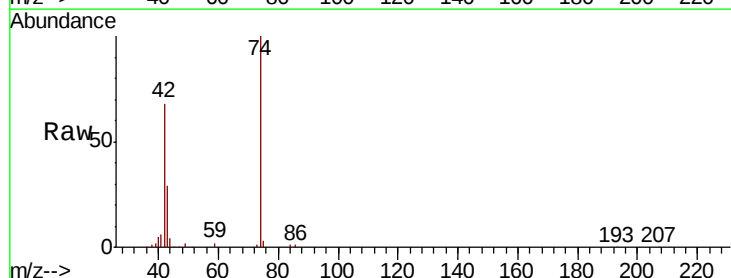
Tgt Ion: 42 Resp: 242627

Ion Ratio Lower Upper

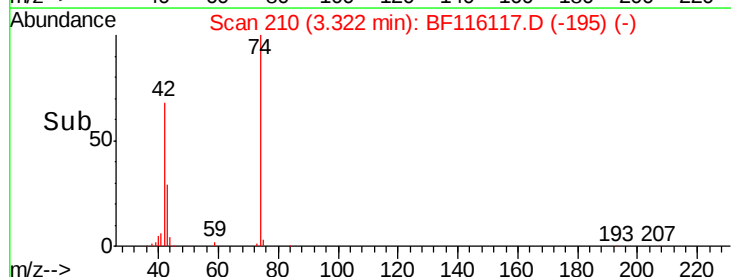
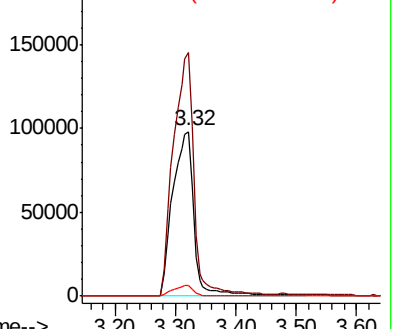
42 100

74 147.8 116.0 174.0

44 6.2 4.6 7.0



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 81.028 ng

RT: 5.46 min Scan# 574

Delta R.T. -0.01 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

Instrument :

BNA_F

ClientSampled :

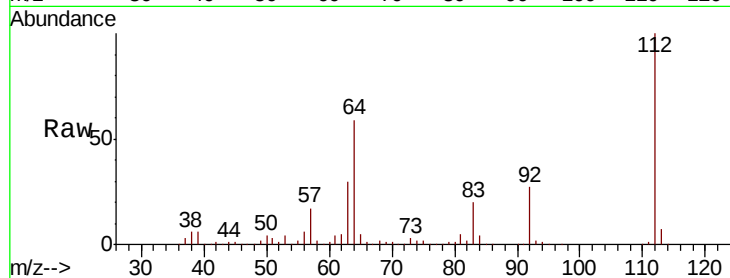
Tot Ion:112 Resp: 886942

Ion Ratio Lower Upper

112 100

64 59.2 45.4 68.2

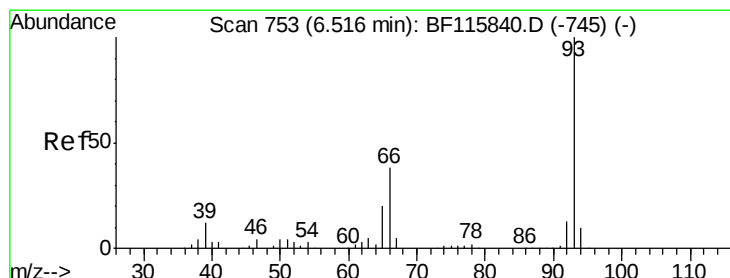
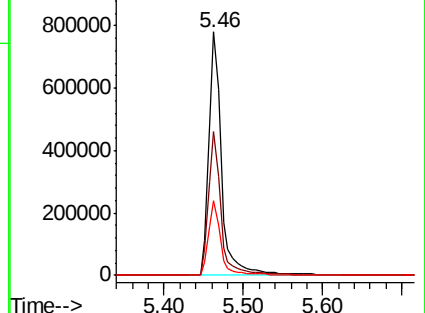
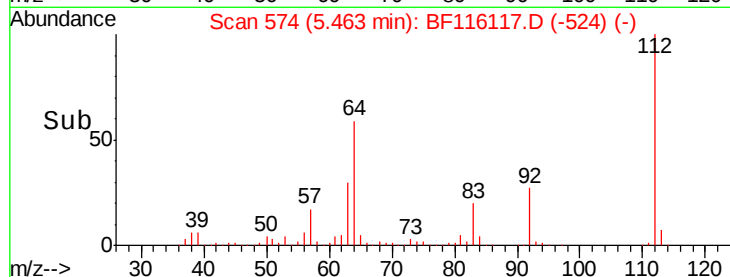
63 30.4 23.7 35.5



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: 39.019 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

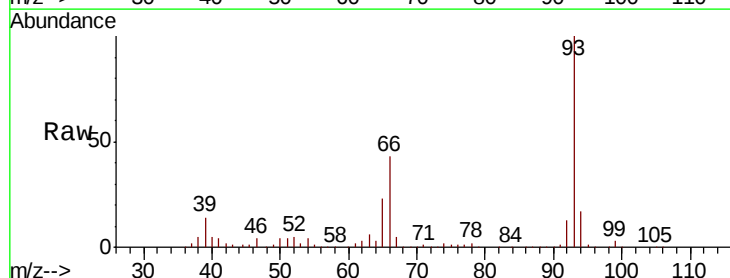
Tgt Ion: 93 Resp: 771726

Ion Ratio Lower Upper

93 100

66 42.5 32.2 48.4

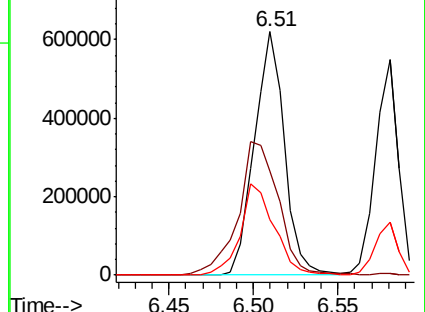
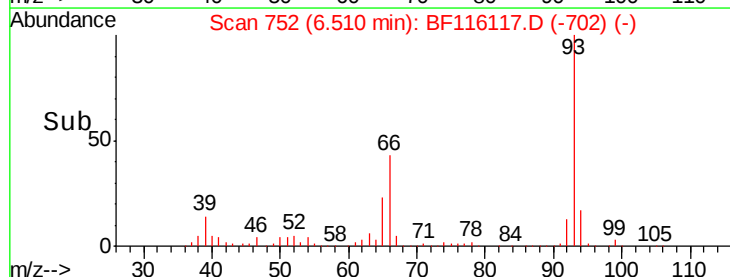
65 22.8 17.0 25.6

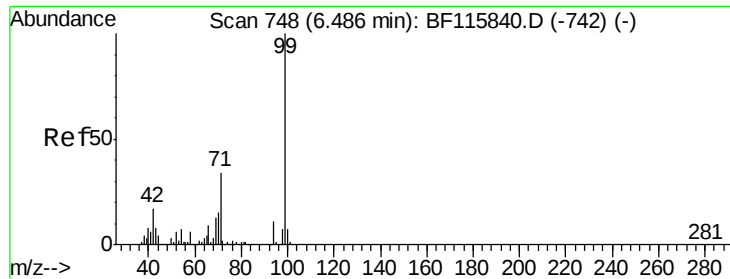


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 82.565 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

Instrument :

BNA_F

ClientSampled :

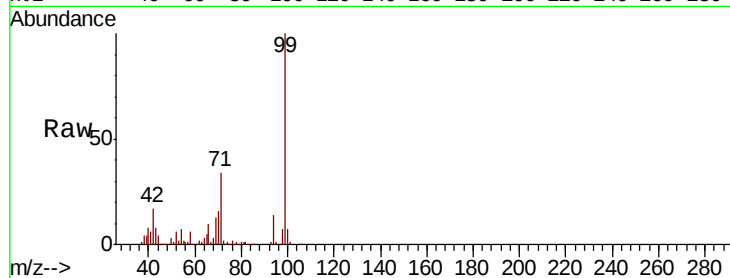
Tot Ion: 99 Resp: 1140256

Ion Ratio Lower Upper

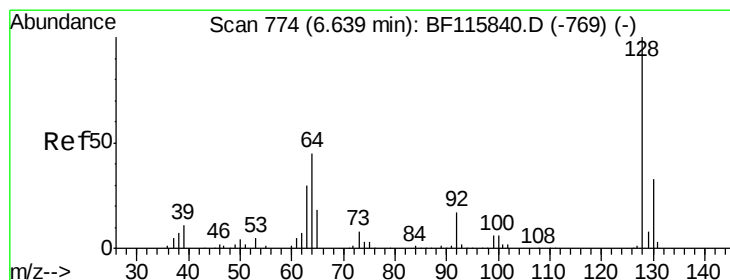
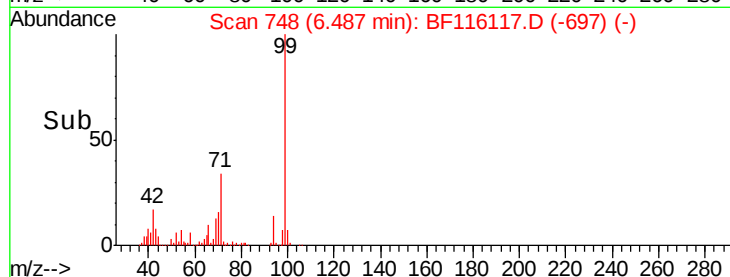
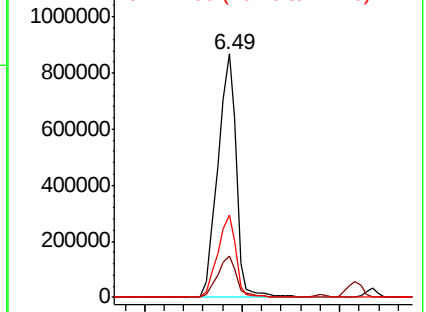
99 100

42 16.8 13.8 20.8

71 33.8 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: 42.556 ng

RT: 6.63 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

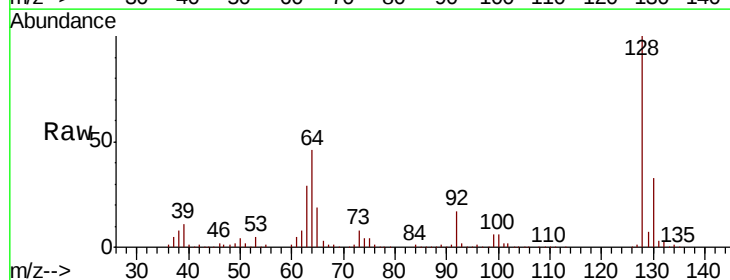
Tgt Ion: 128 Resp: 515102

Ion Ratio Lower Upper

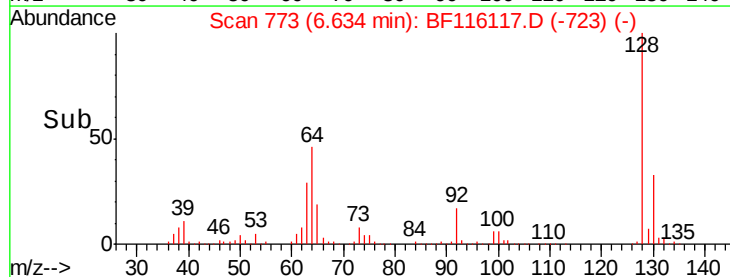
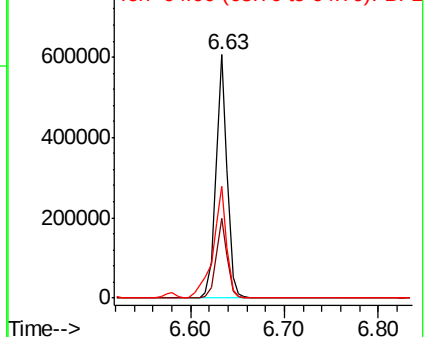
128 100

130 33.0 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

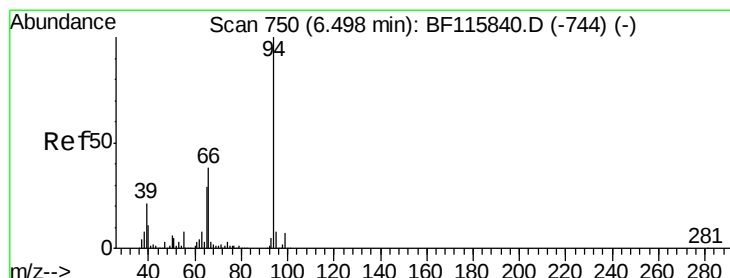
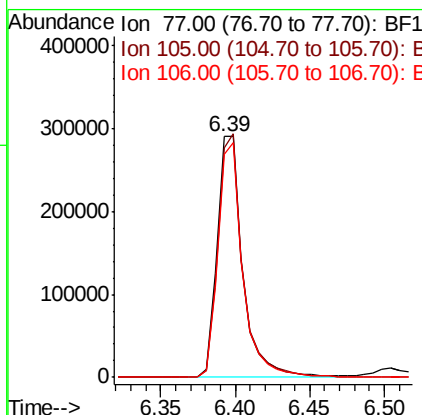
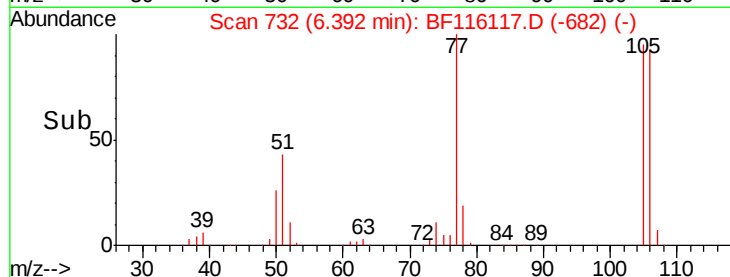
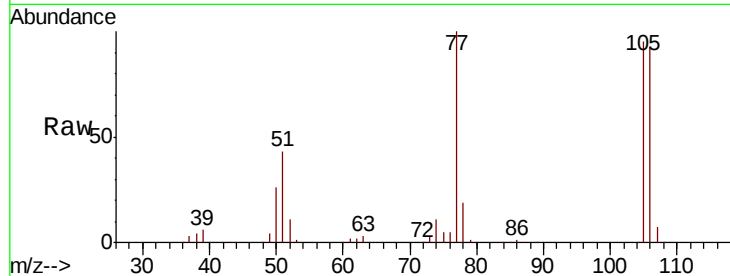




#9
Benzaldehyde
Concen: 36.939 ng
RT: 6.39 min Scan# 732
Delta R.T. -0.01 min
Lab File: BF116117.D
Acq: 9 Aug 2019 17:28

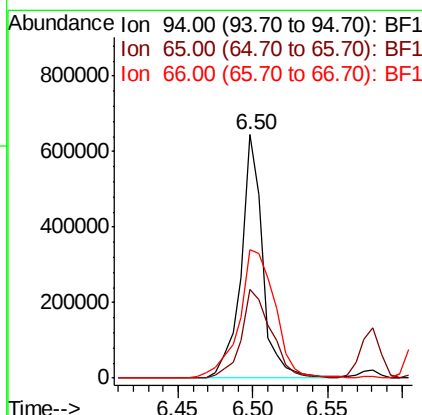
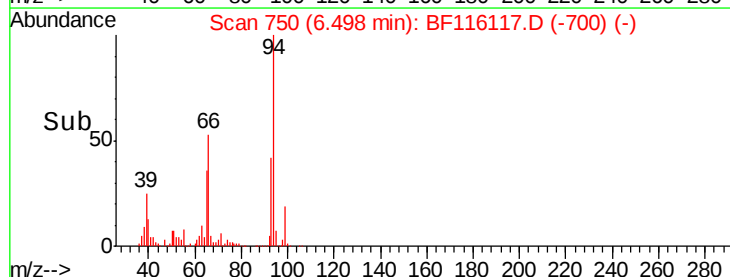
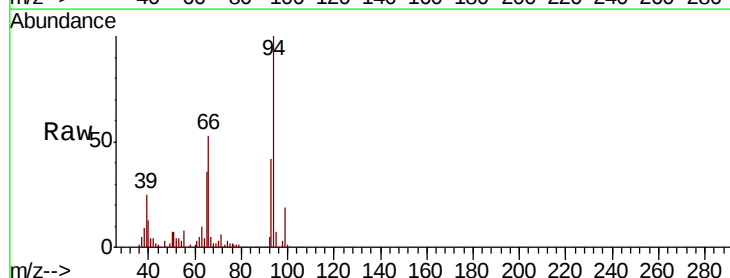
Instrument :
BNA_F
ClientSampleId :

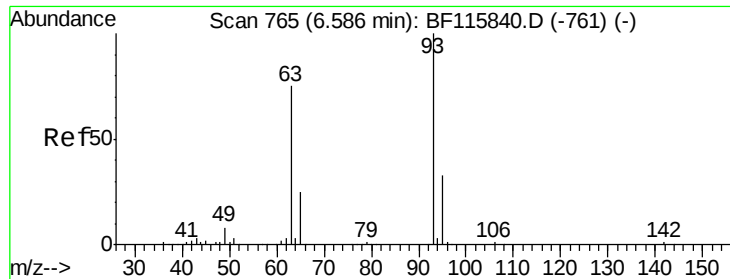
Tot Ion: 77 Resp: 351987
Ion Ratio Lower Upper
77 100
105 95.4 79.2 119.2
106 92.6 74.3 114.3



#10
Phenol
Concen: 39.991 ng
RT: 6.50 min Scan# 750
Delta R.T. -0.01 min
Lab File: BF116117.D
Acq: 9 Aug 2019 17:28

Tgt Ion: 94 Resp: 650381
Ion Ratio Lower Upper
94 100
65 36.2 16.8 56.8
66 53.0 34.2 74.2





#11

bis(2-Chloroethyl)ether

Concen: 43.176 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

Instrument :

BNA_F

ClientSampleId :

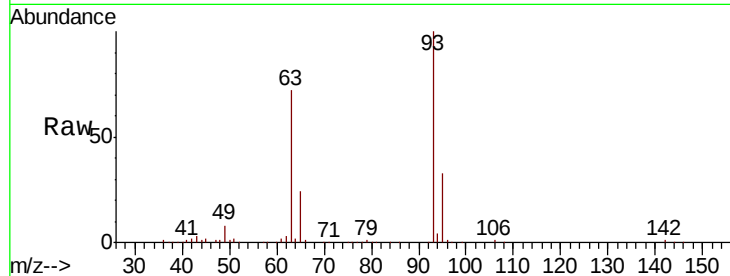
Tot Ion: 93 Resp: 516250

Ion Ratio Lower Upper

93 100

63 72.4 51.9 91.9

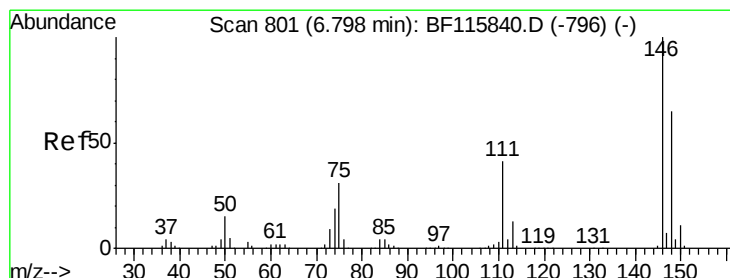
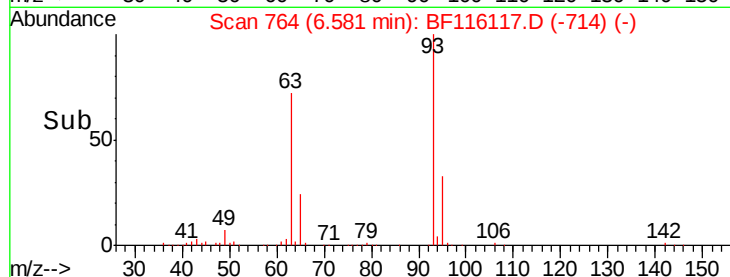
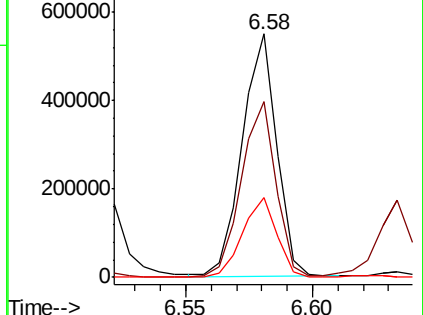
95 32.8 13.0 53.0



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 40.981 ng

RT: 6.79 min Scan# 799

Delta R.T. -0.00 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

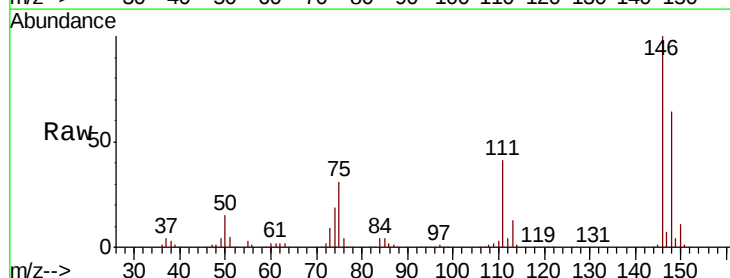
Tgt Ion: 146 Resp: 573276

Ion Ratio Lower Upper

146 100

148 64.3 51.3 76.9

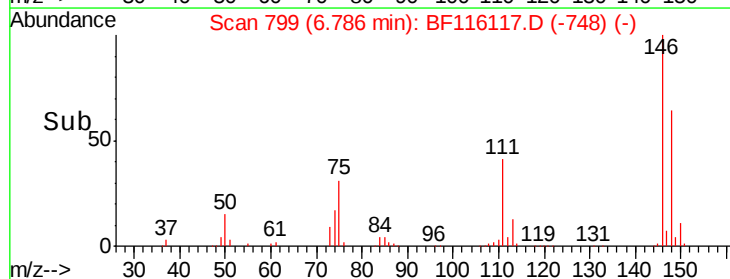
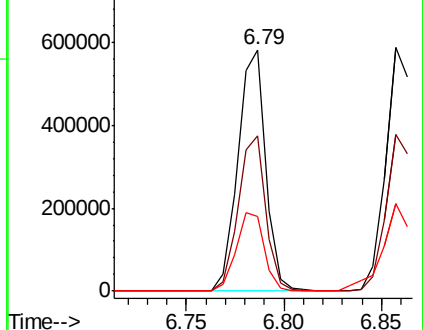
75 31.0 27.4 41.2

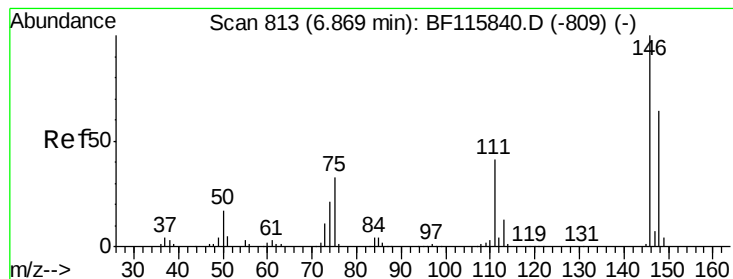


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1





#13

1,4-Dichlorobenzene

Concen: 40.923 ng

RT: 6.86 min Scan# 811

Delta R.T. -0.01 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

Instrument :

BNA_F

ClientSampled :

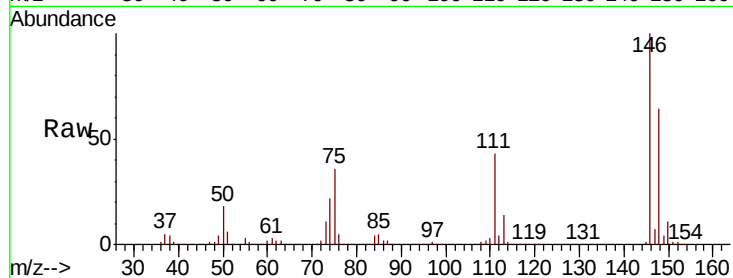
Tot Ion:146 Resp: 573188

Ion Ratio Lower Upper

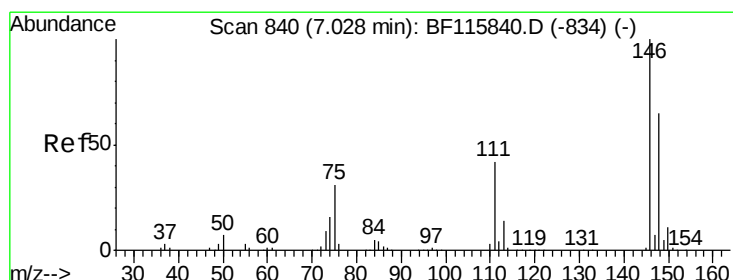
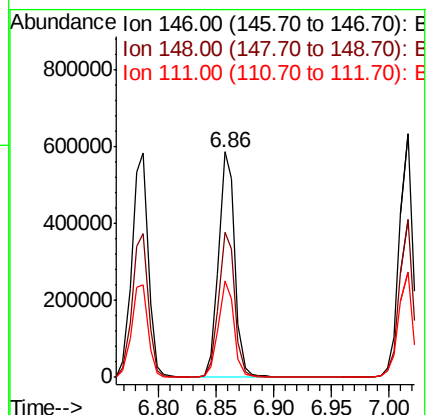
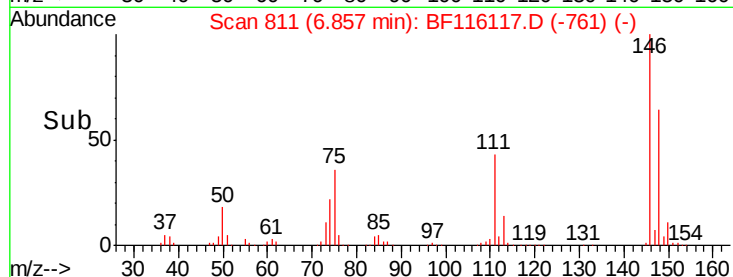
146 100

148 64.3 51.3 76.9

111 42.7 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: 40.153 ng

RT: 7.02 min Scan# 838

Delta R.T. -0.01 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

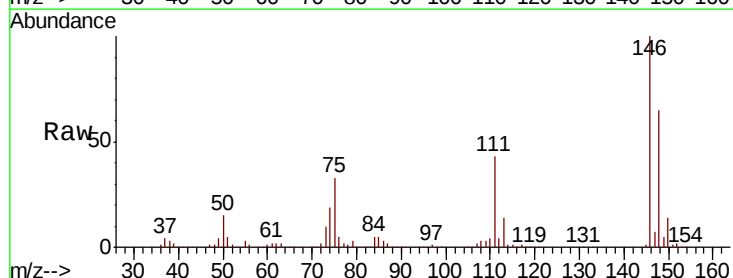
Tgt Ion:146 Resp: 517856

Ion Ratio Lower Upper

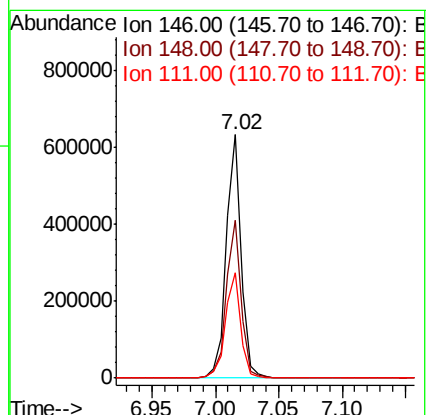
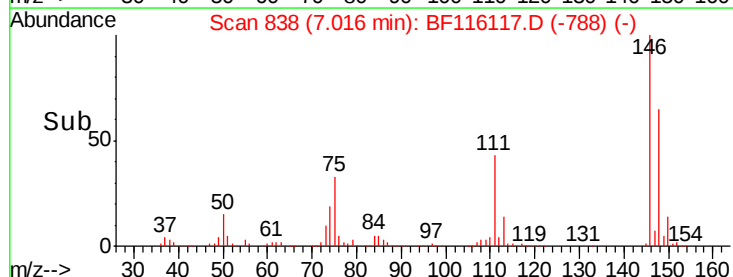
146 100

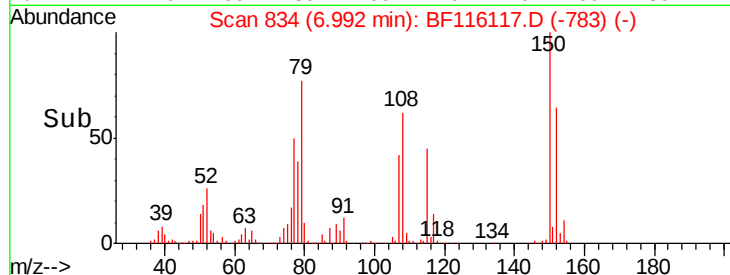
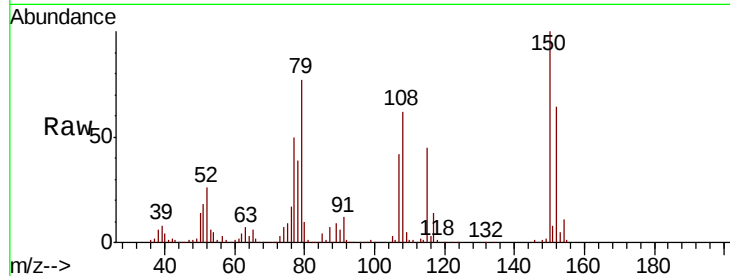
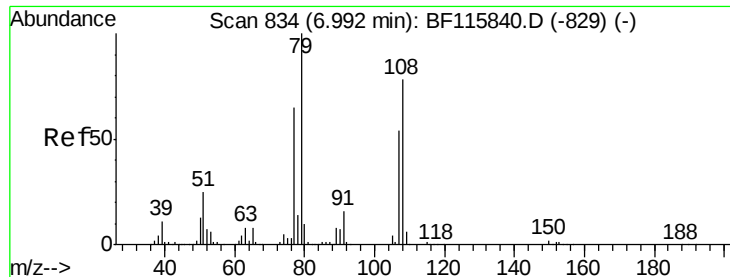
148 65.0 51.2 76.8

111 43.2 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: 39.935 ng

RT: 6.99 min Scan# 834

Delta R.T. -0.00 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

Instrument :

BNA_F

ClientSampleId :

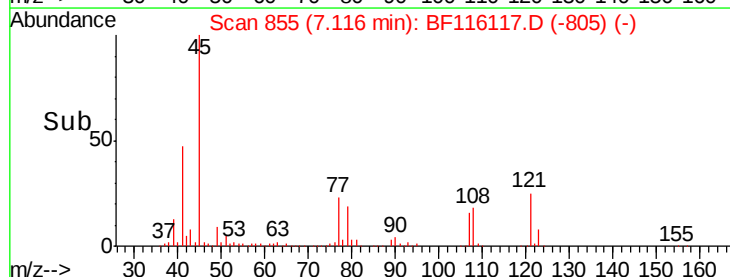
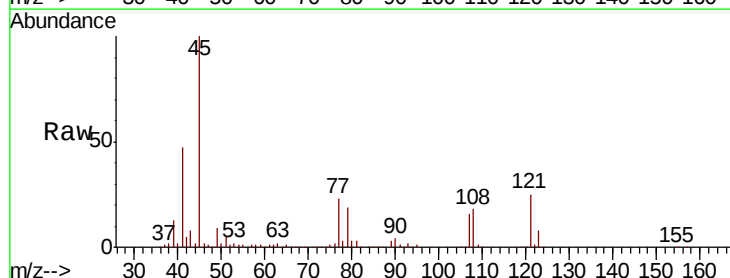
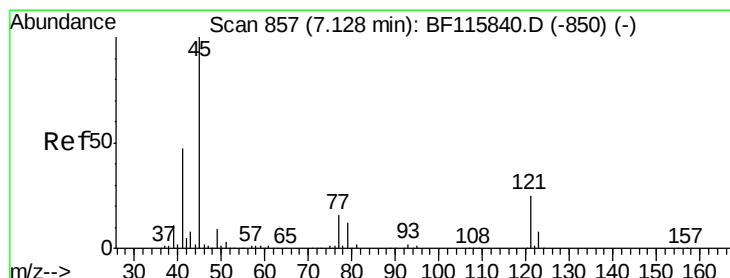
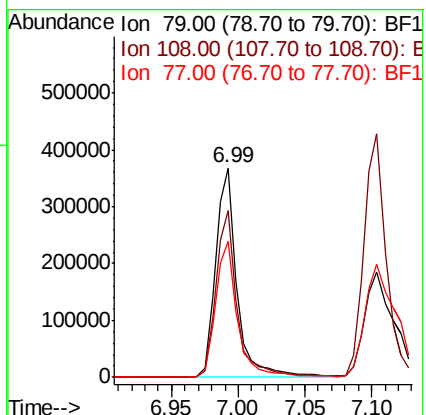
Tot Ion: 79 Resp: 418549

Ion Ratio Lower Upper

79 100

108 79.6 62.7 94.1

77 65.0 52.2 78.2



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.412 ng

RT: 7.12 min Scan# 855

Delta R.T. -0.01 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

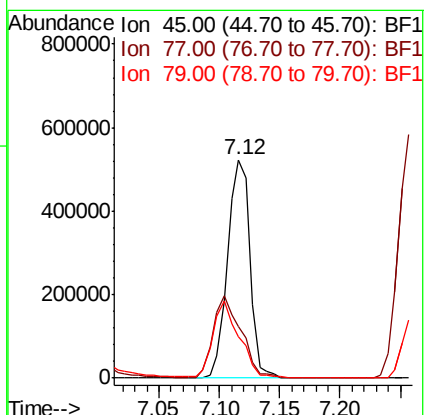
Tgt Ion: 45 Resp: 675391

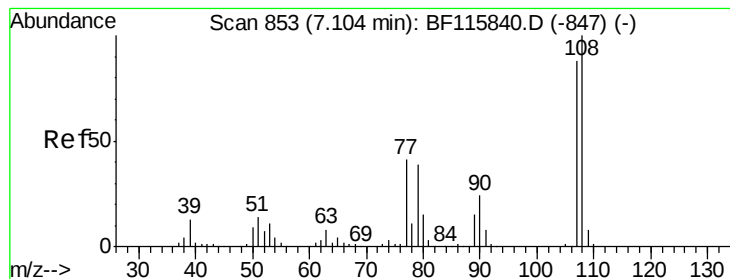
Ion Ratio Lower Upper

45 100

77 23.5 0.0 40.0

79 19.0 0.0 35.9

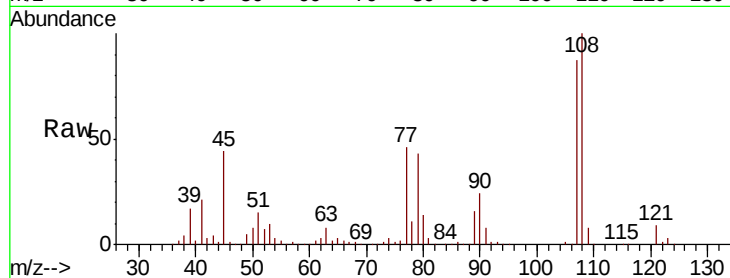




#17
2-Methylphenol
Concen: 41.922 ng
RT: 7.10 min Scan# 853
Delta R.T. -0.00 min
Lab File: BF116117.D
Acq: 9 Aug 2019 17:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
108	114.9	91.2	136.8
77	53.2	40.3	60.5
79	49.8	37.6	56.4



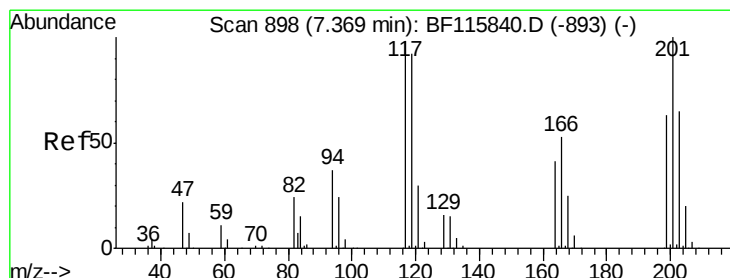
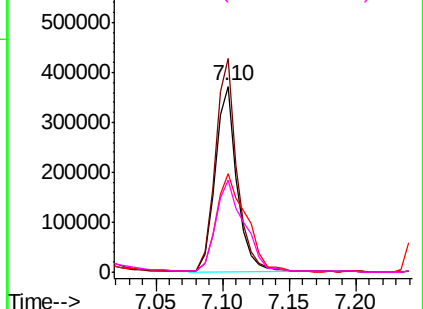
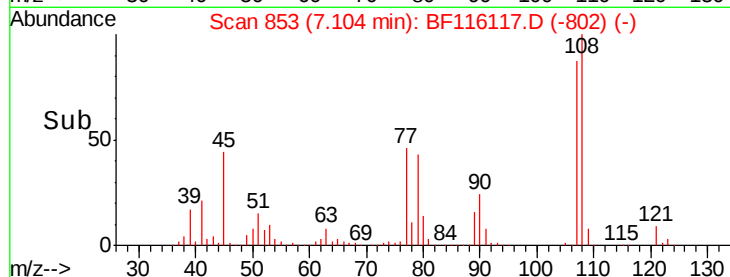
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

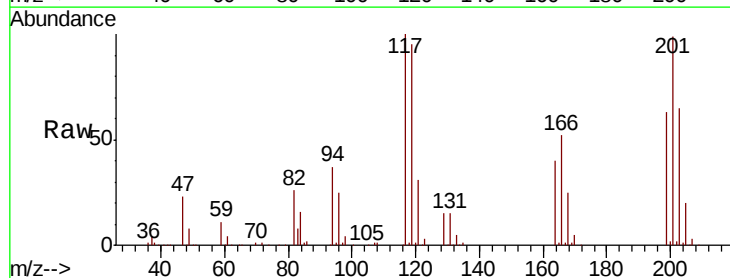
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 42.087 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF116117.D
Acq: 9 Aug 2019 17:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	76.1	114.1
201	99.2	77.0	115.4

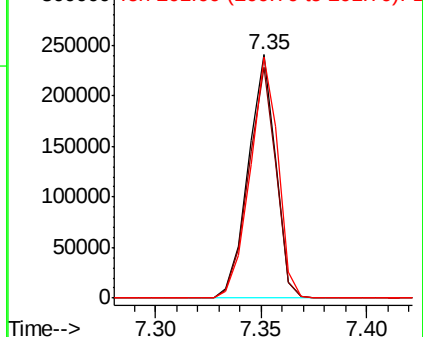
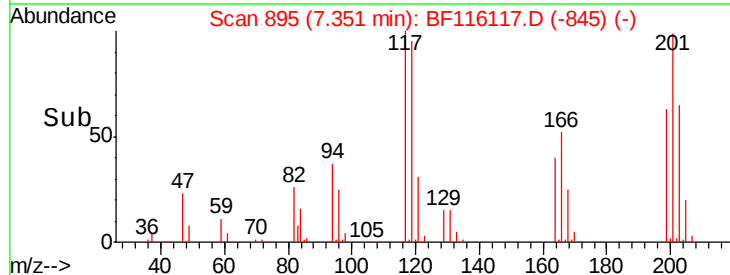


Abundance

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

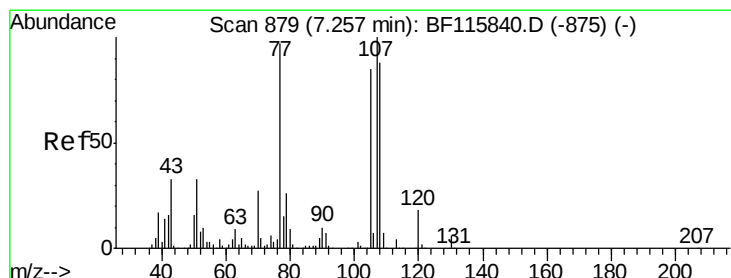
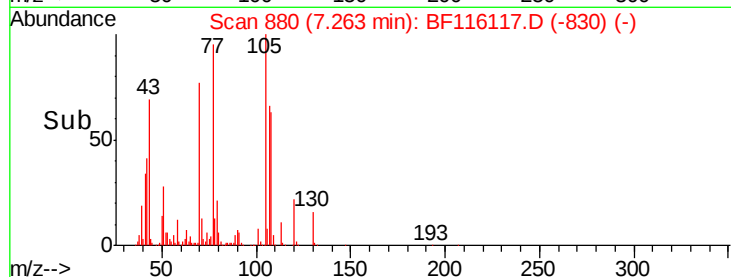
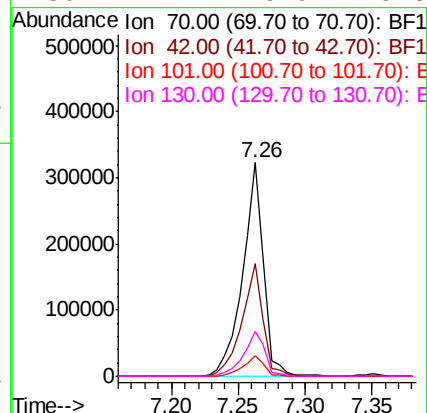
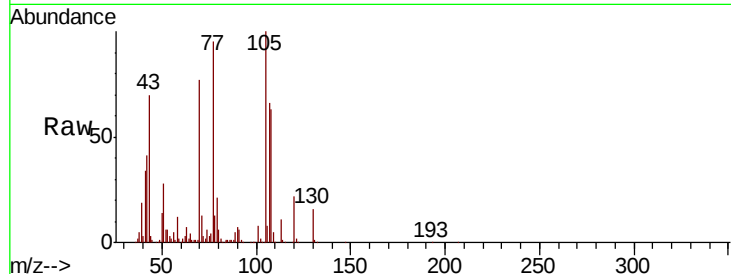




#19
n-Nitroso-di-n-propylamine
Concen: 41.023 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF116117.D
Acq: 9 Aug 2019 17:28

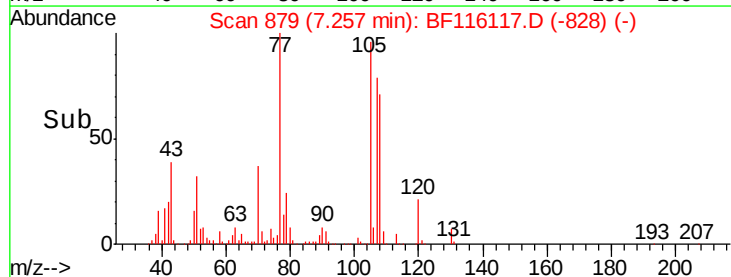
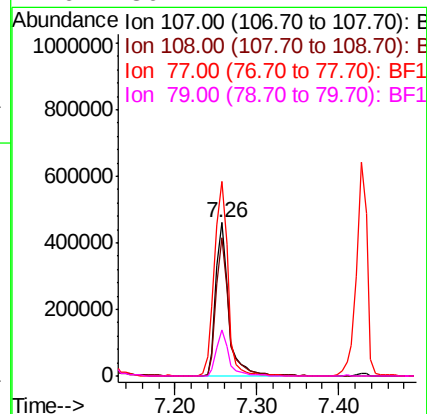
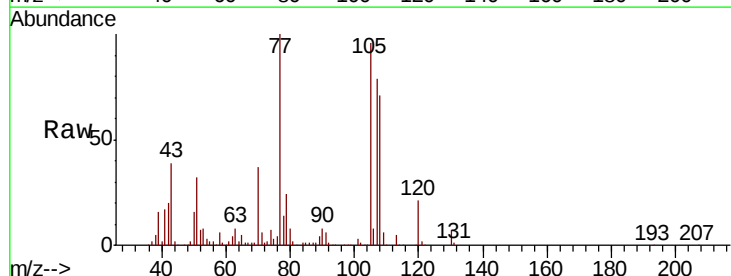
Instrument :
BNA_F
ClientSampled :

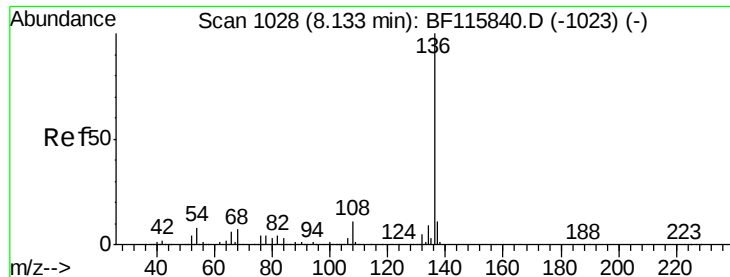
Tot Ion:	70	Resp:	351071
Ion	Ratio	Lower	Upper
70	100		
42	52.8	40.9	61.3
101	9.9	7.9	11.9
130	21.1	16.9	25.3



#20
3+4-Methylphenols
Concen: 40.889 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.00 min
Lab File: BF116117.D
Acq: 9 Aug 2019 17:28

Tgt Ion:	107	Resp:	495926
Ion	Ratio	Lower	Upper
107	100		
108	90.1	67.6	107.6
77	126.7	104.4	144.4
79	30.1	7.4	47.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 755500

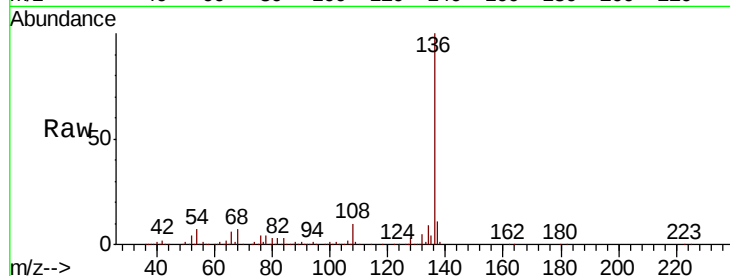
Ion Ratio Lower Upper

136 100

137 11.5 9.0 13.4

54 7.5 5.8 8.6

68 6.7 5.2 7.8

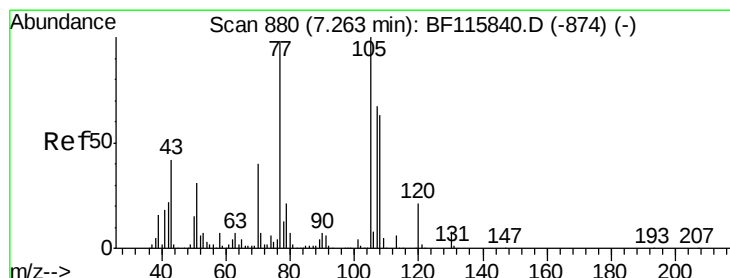
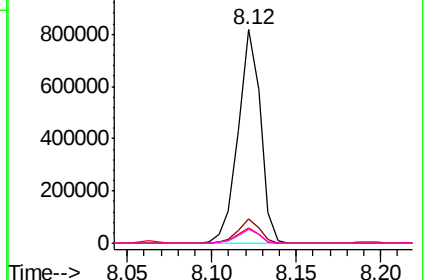
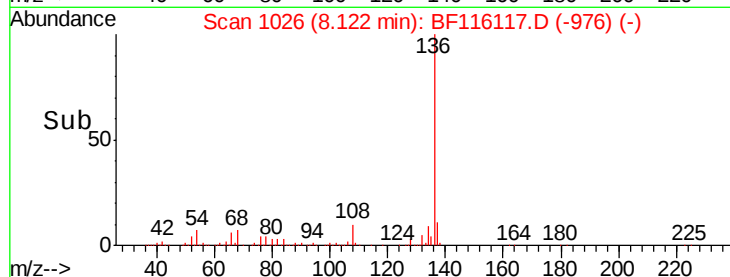


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 40.151 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

Tgt Ion:105 Resp: 665275

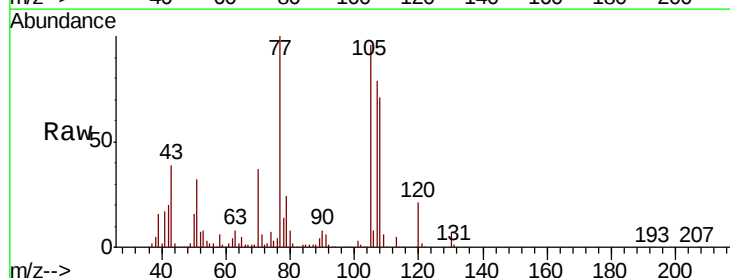
Ion Ratio Lower Upper

105 100

71 6.5 5.9 8.9

51 33.1 25.3 37.9

120 21.4 17.9 26.9

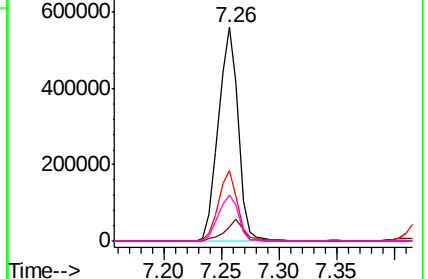
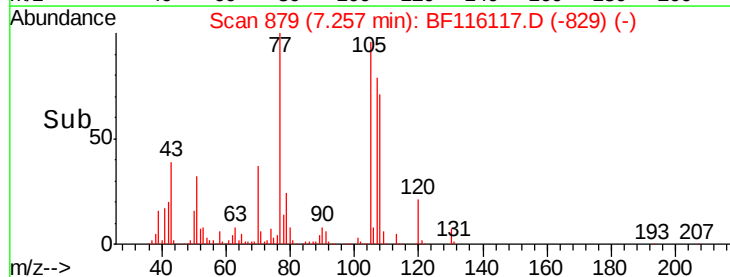


Abundance Ion 105.00 (104.70 to 105.70): E

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





#23

Nitrobenzene-d5

Concen: 81.039 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

Instrument :

BNA_F

ClientSampled :

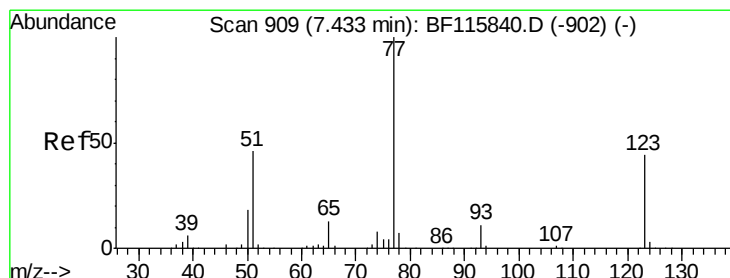
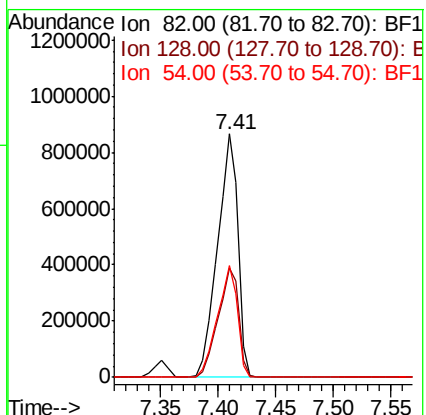
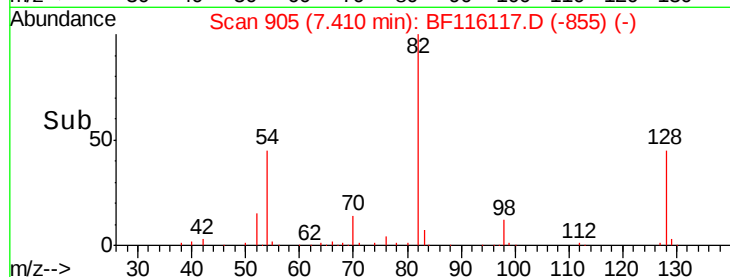
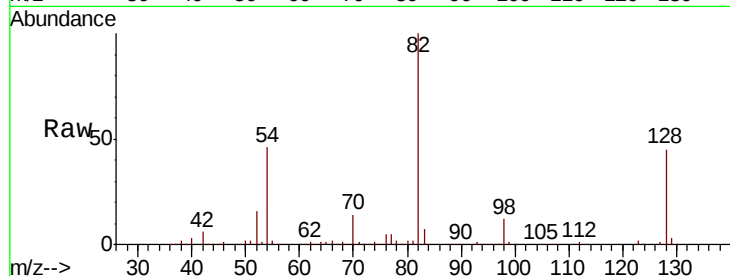
Tot Ion: 82 Resp: 1060669

Ion Ratio Lower Upper

82 100

128 44.9 36.5 54.7

54 45.7 36.0 54.0



#24

Nitrobenzene

Concen: 41.277 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

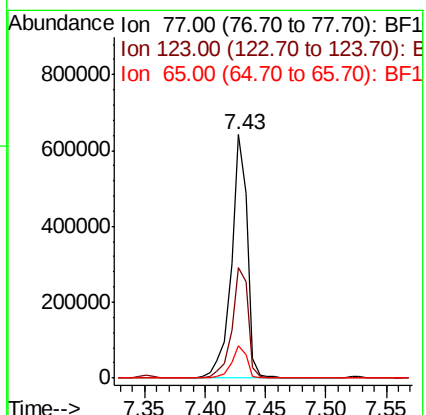
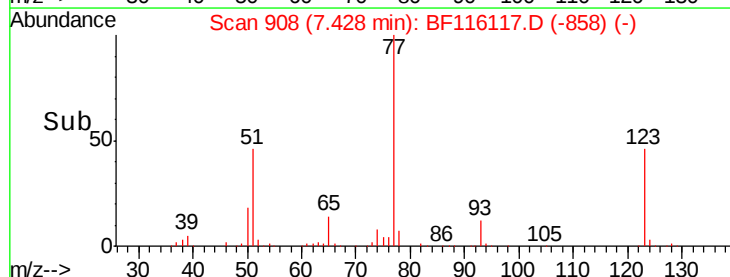
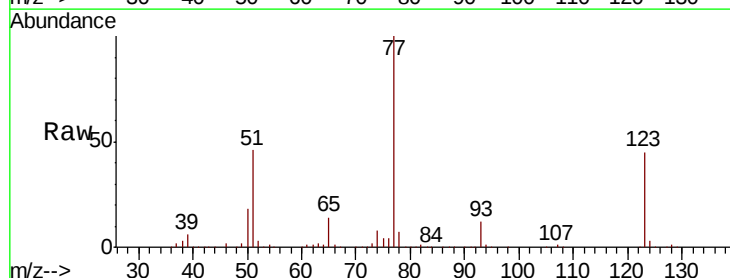
Tgt Ion: 77 Resp: 583347

Ion Ratio Lower Upper

77 100

123 45.2 36.7 55.1

65 13.5 10.6 16.0

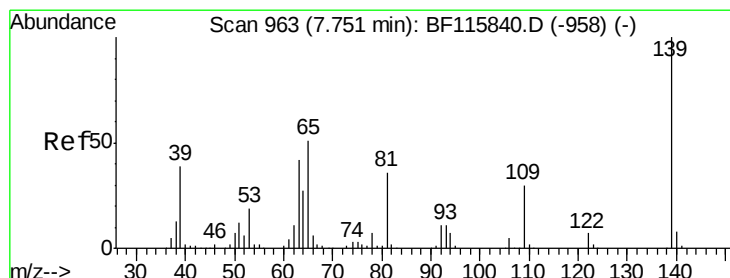
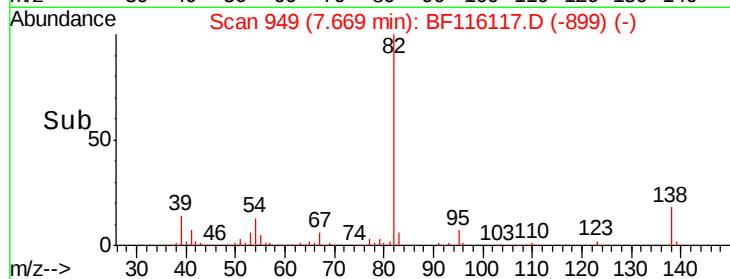
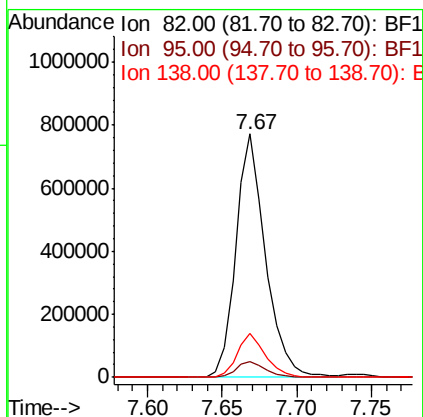
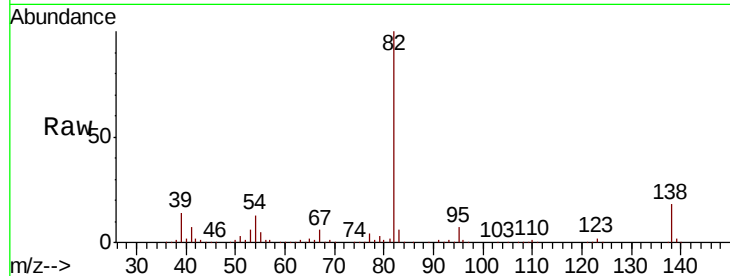




#25
Isophorone
Concen: 42.627 ng
RT: 7.67 min Scan# 949
Delta R.T. -0.01 min
Lab File: BF116117.D
Acq: 9 Aug 2019 17:28

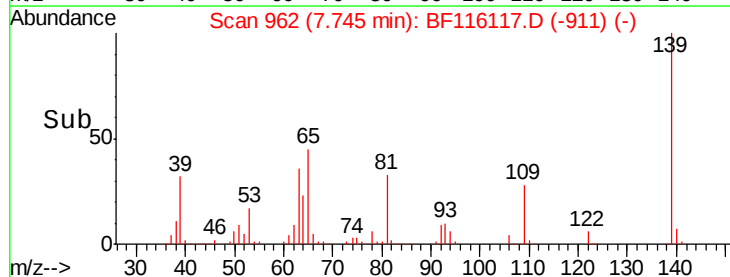
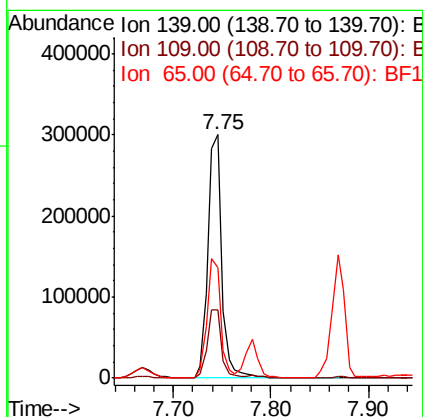
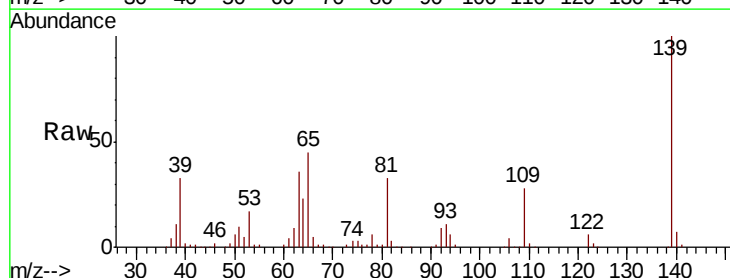
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1066817
Ion Ratio Lower Upper
82 100
95 6.6 5.4 8.0
138 18.1 14.5 21.7



#26
2-Nitrophenol
Concen: 44.813 ng
RT: 7.75 min Scan# 962
Delta R.T. -0.00 min
Lab File: BF116117.D
Acq: 9 Aug 2019 17:28

Tgt Ion: 139 Resp: 298531
Ion Ratio Lower Upper
139 100
109 27.8 23.4 35.2
65 45.2 41.1 61.7

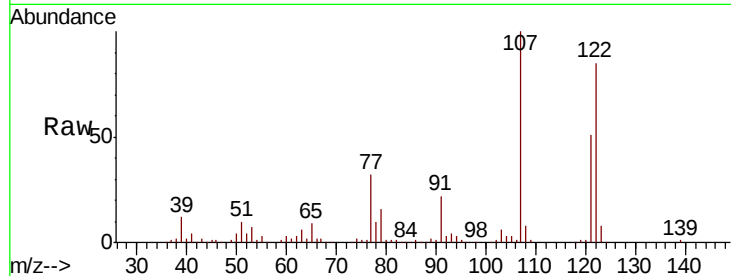




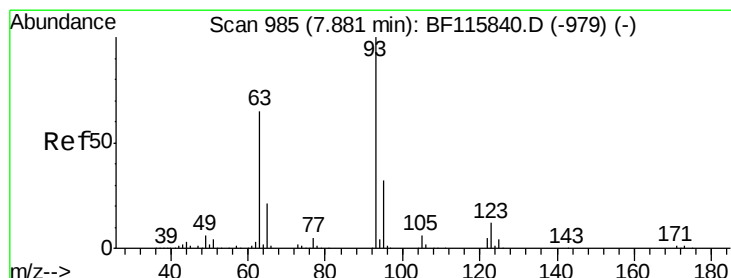
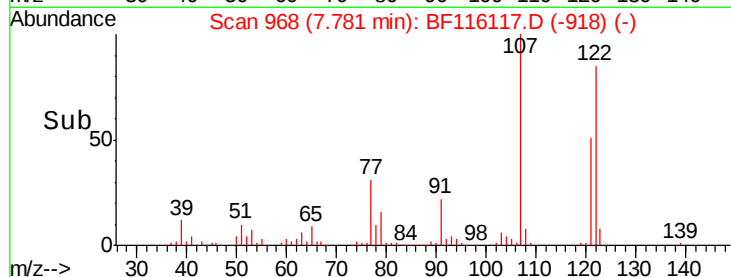
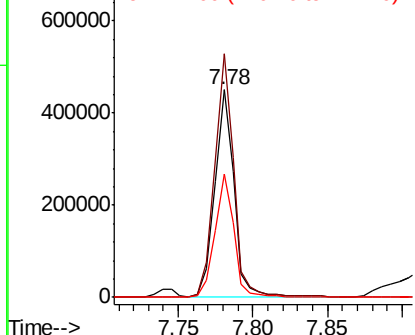
#27
2,4-Dimethylphenol
Concen: 40.060 ng
RT: 7.78 min Scan# 968
Delta R.T. -0.01 min
Lab File: BF116117.D
Acq: 9 Aug 2019 17:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 401497
Ion Ratio Lower Upper
122 100
107 117.5 93.0 139.6
121 59.7 47.6 71.4

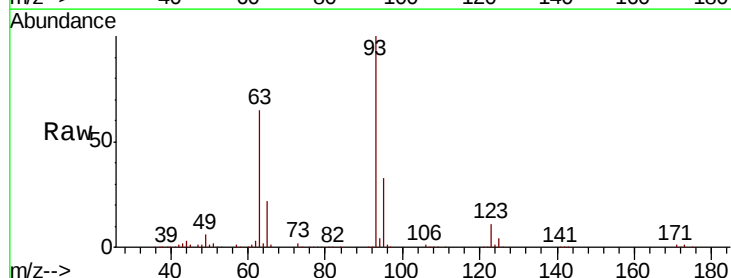


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

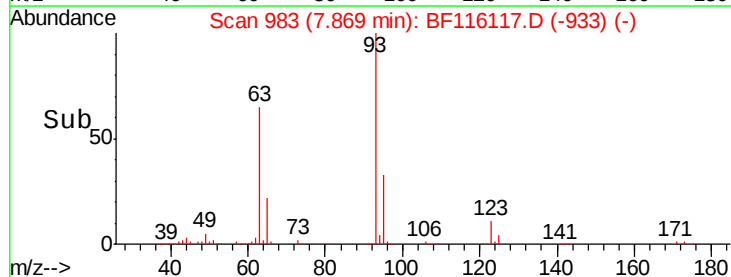
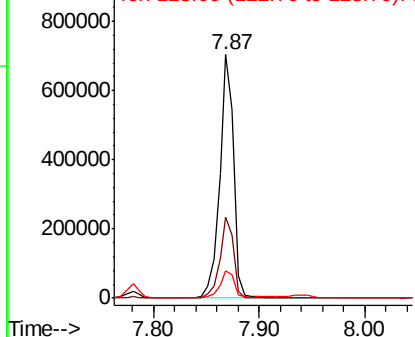


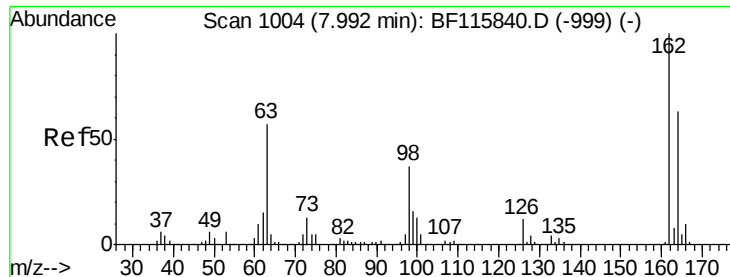
#28
bis(2-Chloroethoxy)methane
Concen: 42.310 ng
RT: 7.87 min Scan# 983
Delta R.T. -0.01 min
Lab File: BF116117.D
Acq: 9 Aug 2019 17:28

Tgt Ion: 93 Resp: 656320
Ion Ratio Lower Upper
93 100
95 33.1 26.2 39.4
123 11.2 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

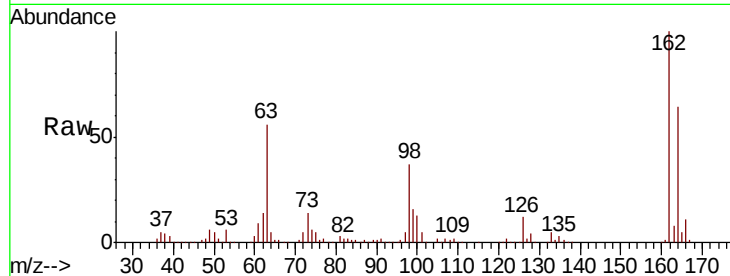




#29
 2,4-Dichlorophenol
 Concen: 42.245 ng
 RT: 7.99 min Scan# 1003
 Delta R.T. -0.01 min
 Lab File: BF116117.D
 Acq: 9 Aug 2019 17:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.0	45.1	85.1
98	37.4	15.8	55.8

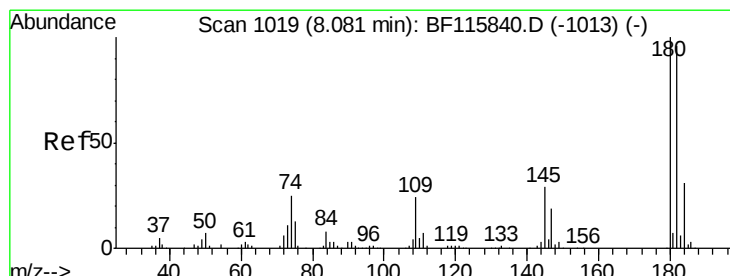
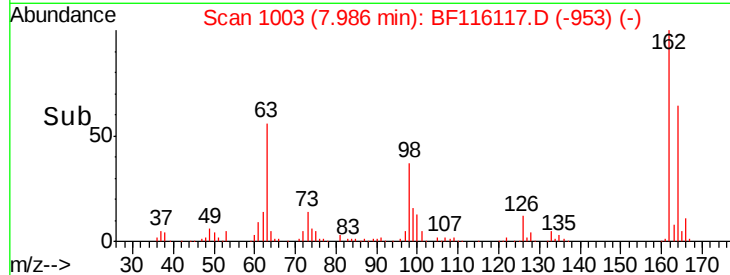
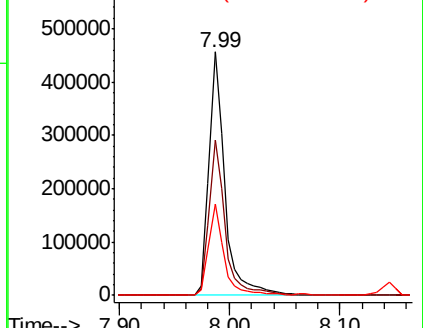


Abundance

Ion 162.00 (161.70 to 162.70): E

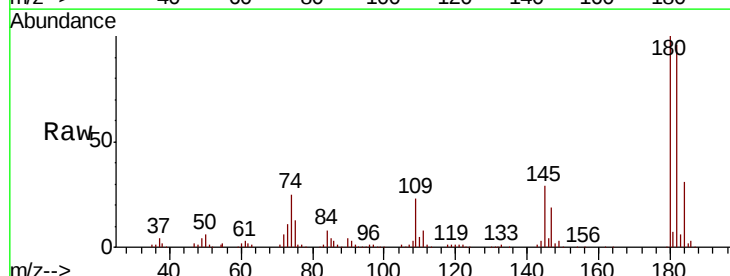
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
 1,2,4-Trichlorobenzene
 Concen: 41.189 ng
 RT: 8.07 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: BF116117.D
 Acq: 9 Aug 2019 17:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.7	113.5
145	29.4	24.3	36.5

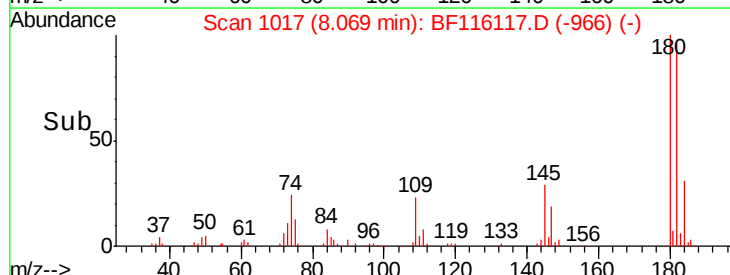
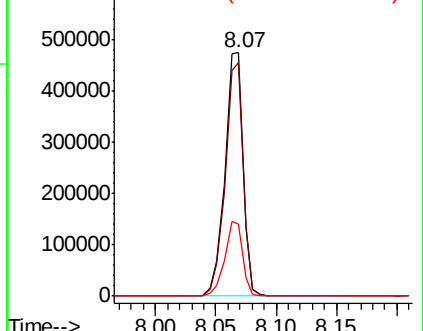


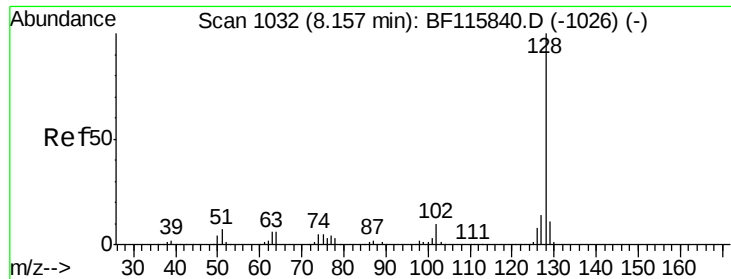
Abundance

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

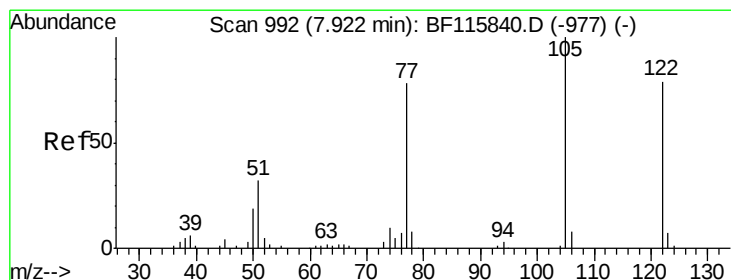
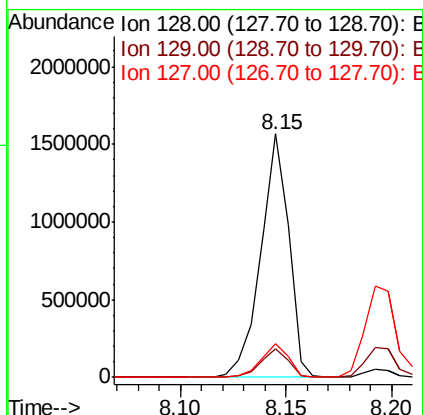
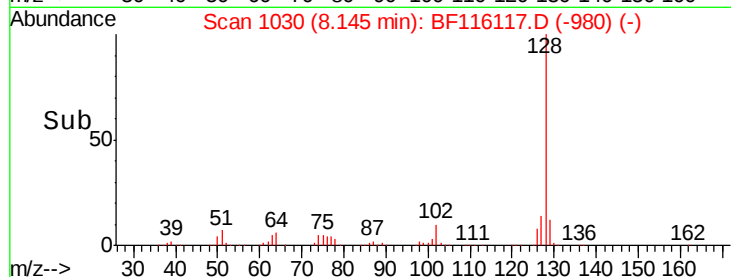
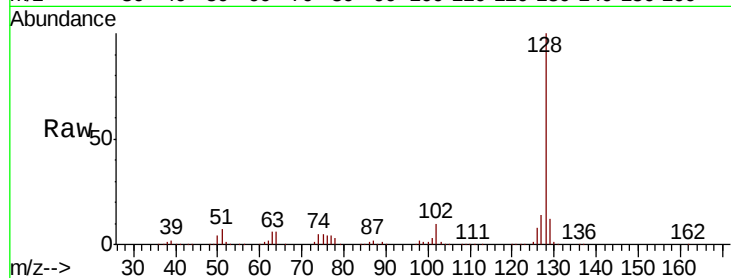




#31
Naphthalene
Concen: 40.767 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF116117.D
Acq: 9 Aug 2019 17:28

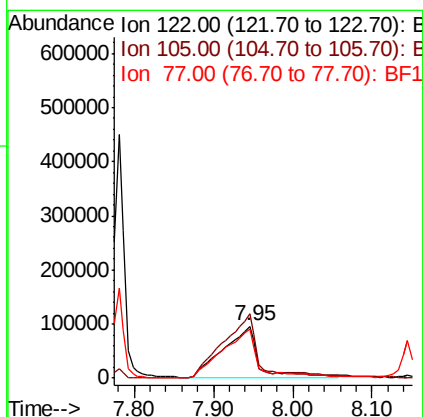
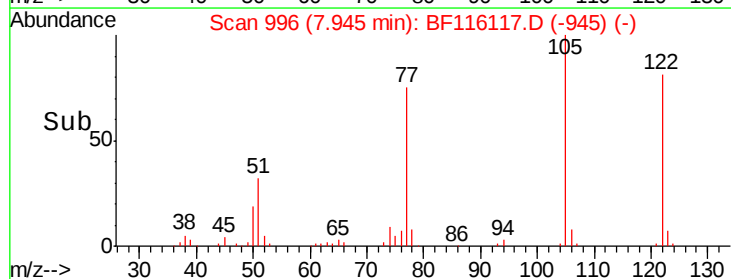
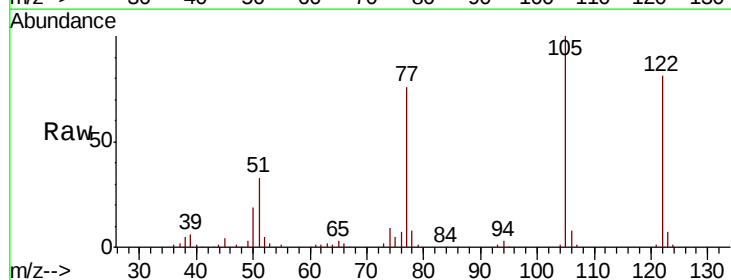
Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 1449351
Ion Ratio Lower Upper
128 100
129 11.9 9.3 13.9
127 14.0 11.4 17.0



#32
Benzoic acid
Concen: 41.369 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.00 min
Lab File: BF116117.D
Acq: 9 Aug 2019 17:28

Tgt Ion:122 Resp: 292317
Ion Ratio Lower Upper
122 100
105 123.9 106.1 146.1
77 94.0 76.7 116.7

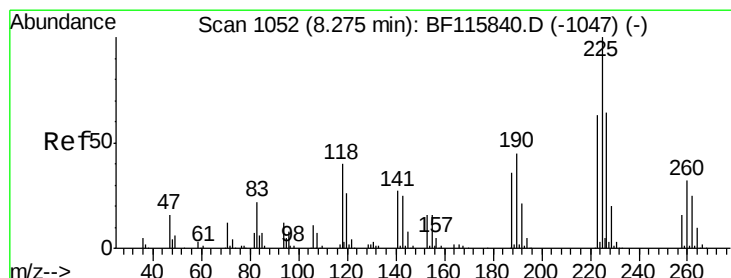
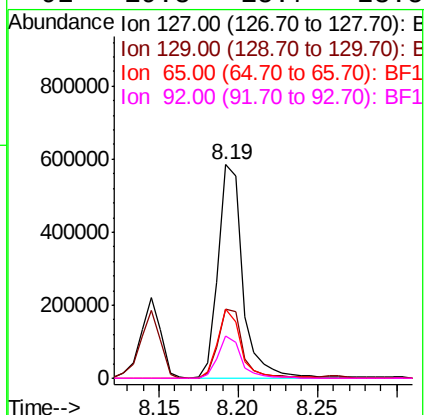
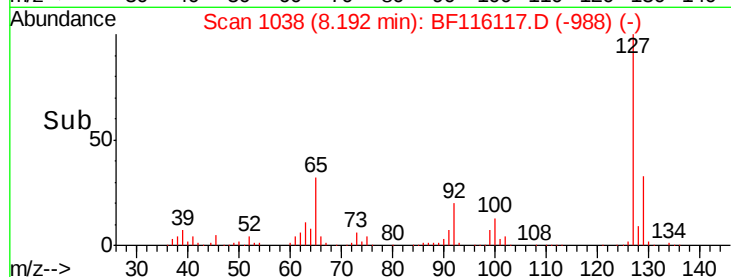
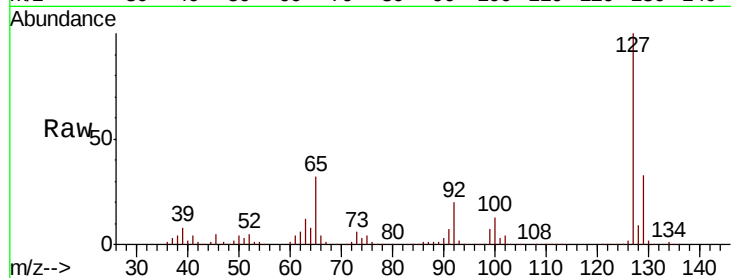




#33
4-Chloroaniline
Concen: 39.502 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF116117.D
Acq: 9 Aug 2019 17:28

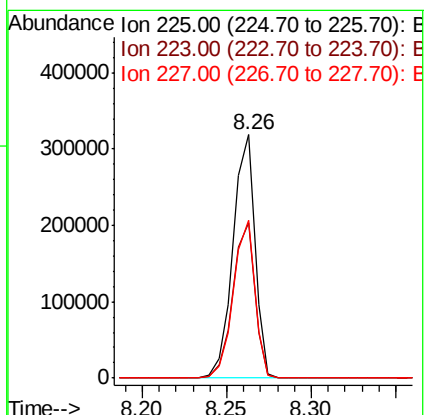
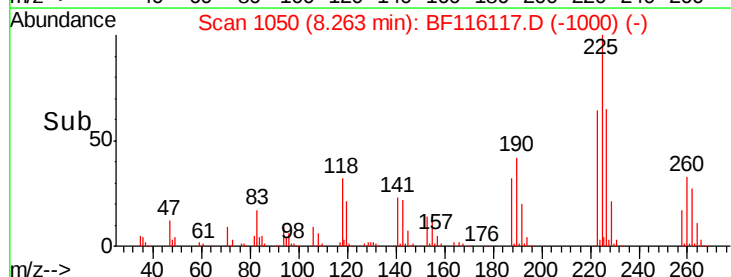
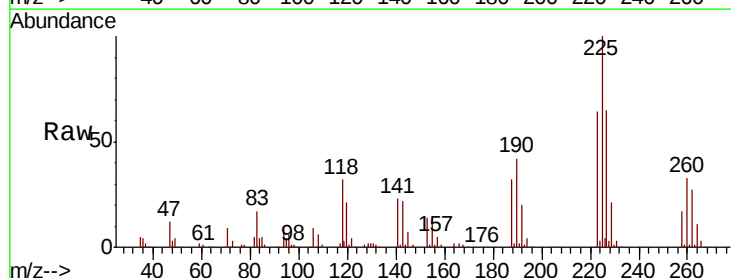
Instrument :
BNA_F
ClientSampleId :

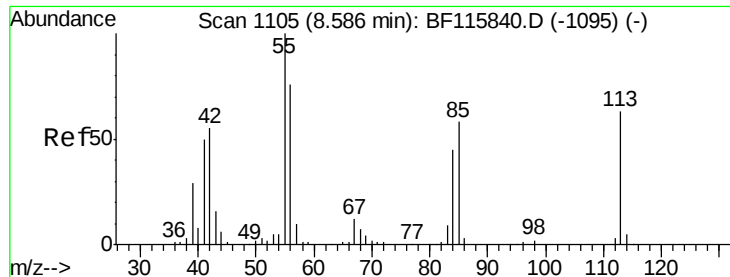
Tot Ion:	127	Resp:	627489
Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.1	39.1
65	32.2	24.9	37.3
92	19.8	15.7	23.5



#34
Hexachlorobutadiene
Concen: 41.368 ng
RT: 8.26 min Scan# 1050
Delta R.T. -0.01 min
Lab File: BF116117.D
Acq: 9 Aug 2019 17:28

Tgt Ion:	225	Resp:	287436
Ion	Ratio	Lower	Upper
225	100		
223	63.9	50.0	75.0
227	64.6	51.0	76.4

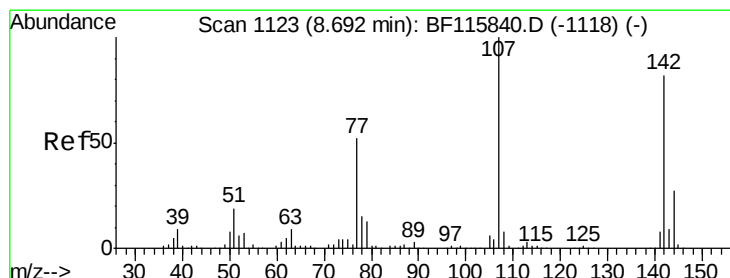
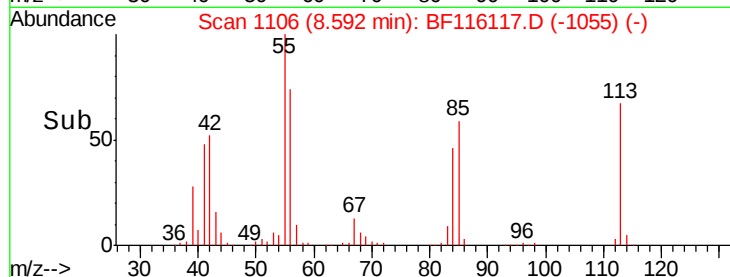
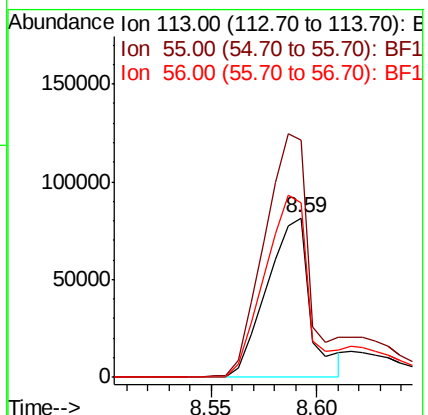
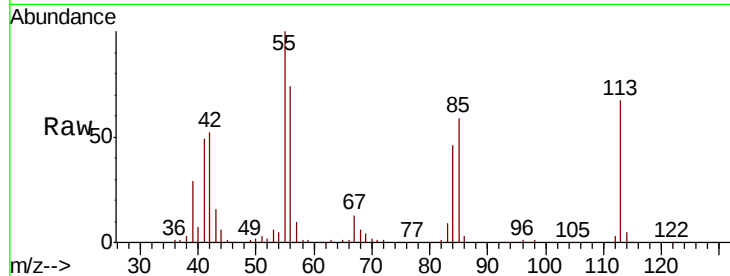




#35
Caprolactam
Concen: 34.026 ng
RT: 8.59 min Scan# 1106
Delta R.T. -0.00 min
Lab File: BF116117.D
Acq: 9 Aug 2019 17:28

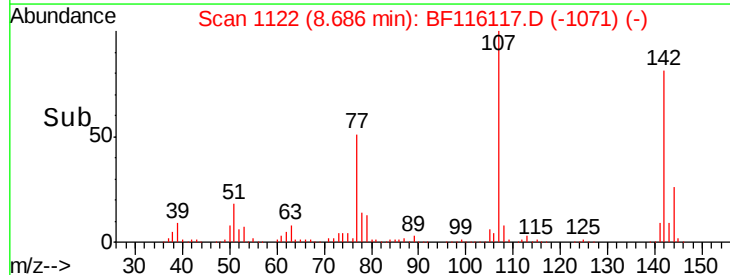
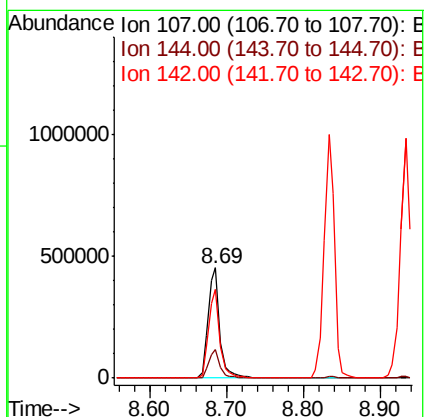
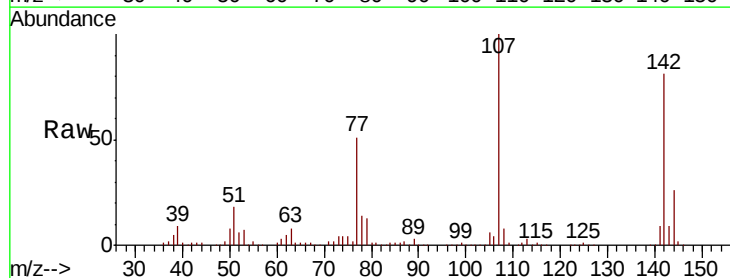
Instrument :
BNA_F
ClientSampleId :

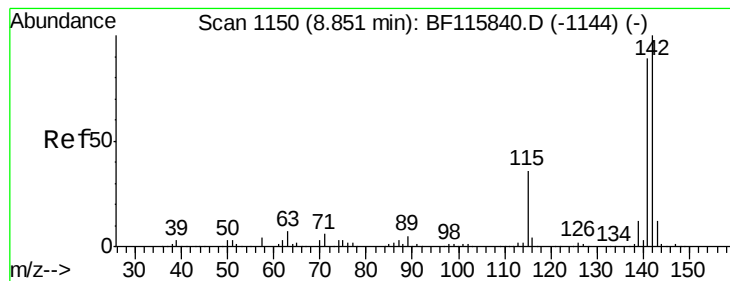
Tot Ion:113 Resp: 116458
Ion Ratio Lower Upper
113 100
55 149.3 144.3 184.3
56 109.9 97.1 137.1



#36
4-Chloro-3-methylphenol
Concen: 42.792 ng
RT: 8.69 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BF116117.D
Acq: 9 Aug 2019 17:28

Tgt Ion:107 Resp: 471100
Ion Ratio Lower Upper
107 100
144 26.0 20.2 30.2
142 81.2 61.7 92.5





#37

2-Methylnaphthalene

Concen: 40.578 ng

RT: 8.83 min Scan# 1147

Delta R.T. -0.01 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

Instrument :

BNA_F

ClientSampleId :

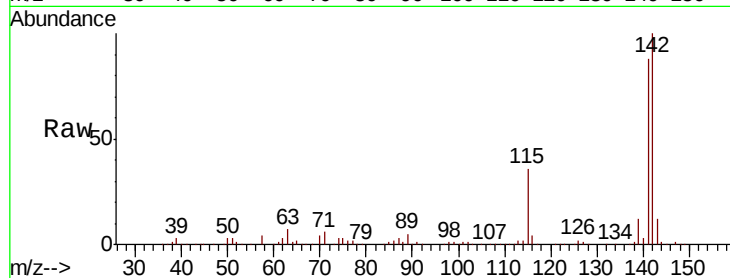
Tot Ion:142 Resp: 950110

Ion Ratio Lower Upper

142 100

141 88.5 70.9 106.3

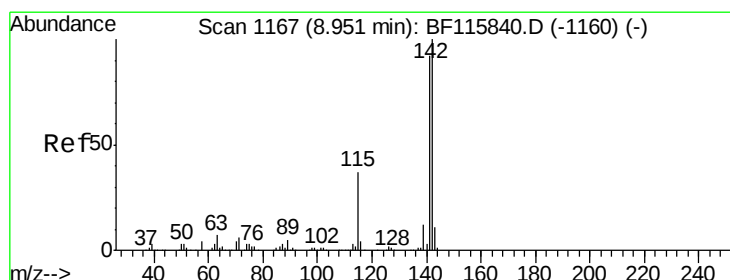
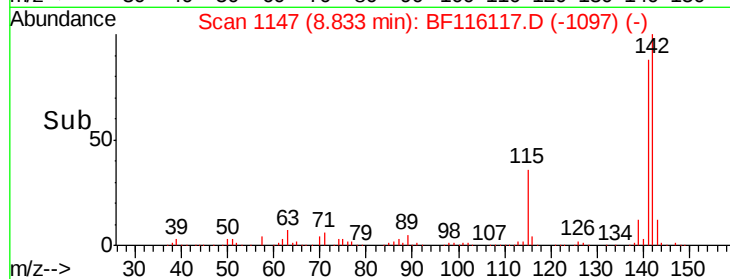
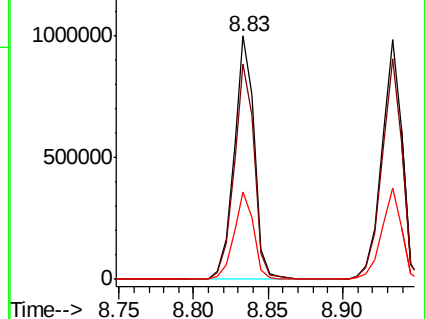
115 36.2 29.0 43.6



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: 40.906 ng

RT: 8.93 min Scan# 1164

Delta R.T. -0.01 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

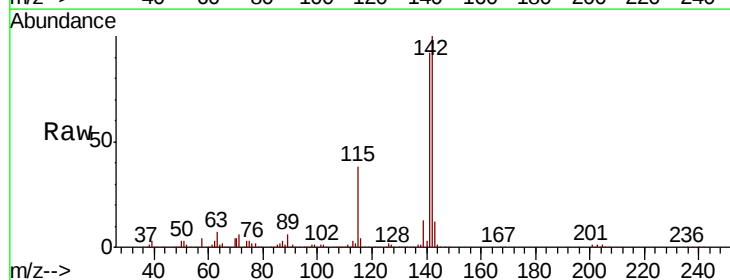
Tgt Ion:142 Resp: 906107

Ion Ratio Lower Upper

142 100

141 91.7 74.4 111.6

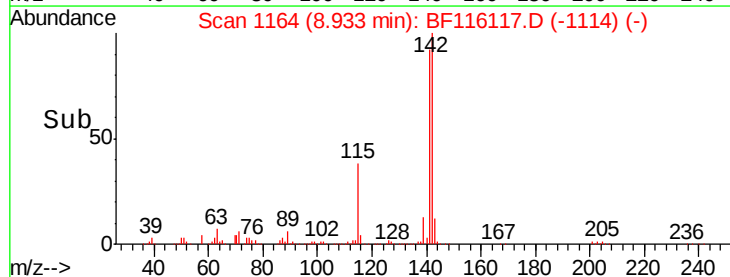
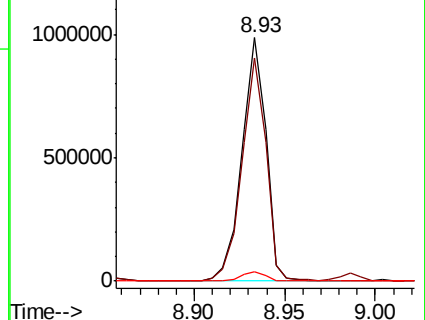
116 4.1 3.1 4.7

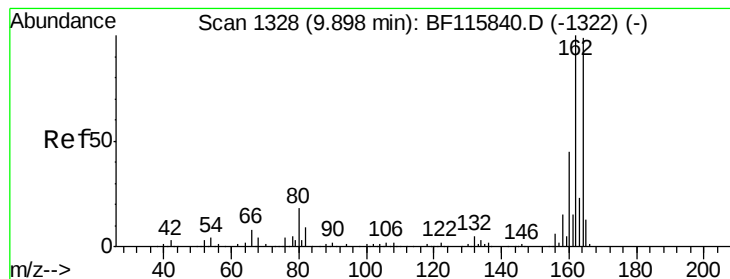


Abundance Ion 142.00 (141.70 to 142.70): E

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: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

Instrument :

BNA_F

ClientSampled :

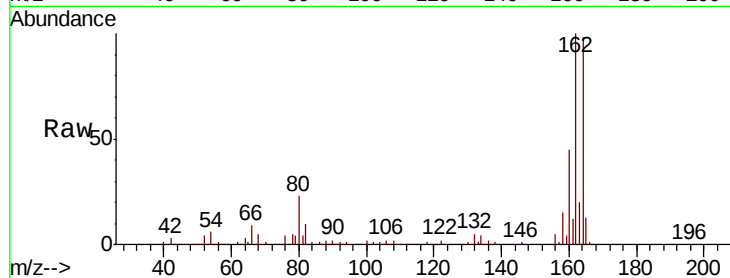
Tot Ion:164 Resp: 398748

Ion Ratio Lower Upper

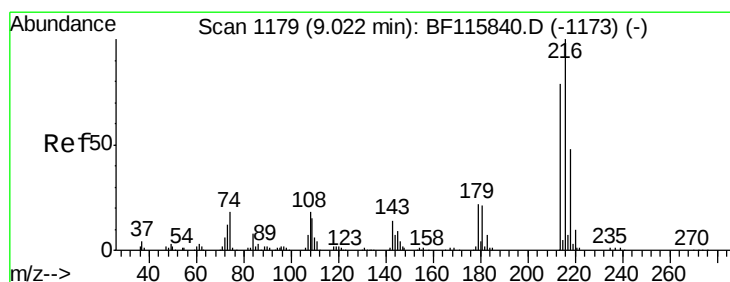
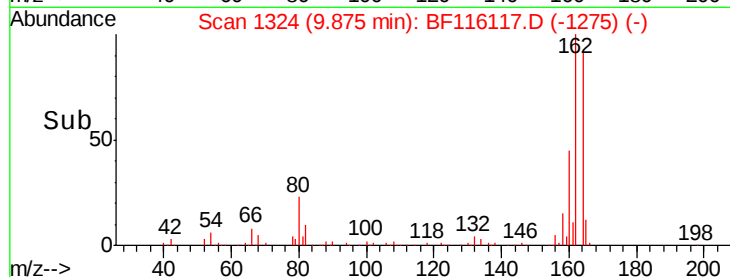
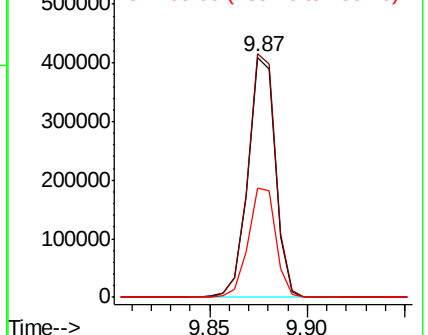
164 100

162 101.5 82.6 124.0

160 45.8 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: 41.292 ng

RT: 9.00 min Scan# 1176

Delta R.T. -0.01 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

Tgt Ion:216 Resp: 440182

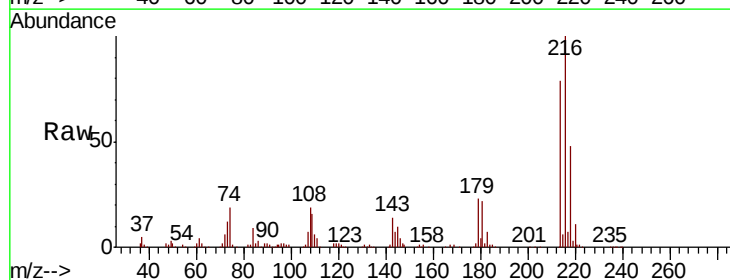
Ion Ratio Lower Upper

216 100

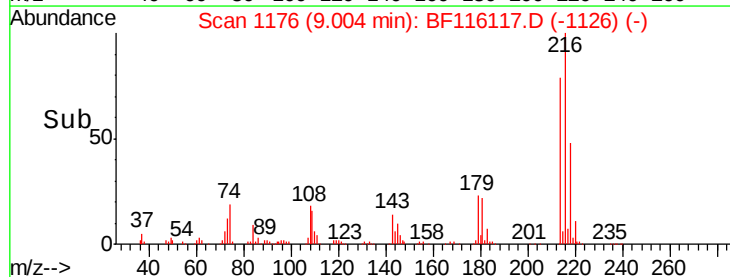
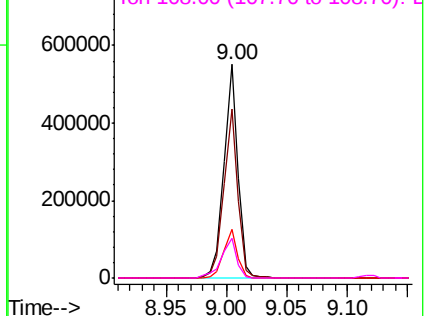
214 79.3 63.6 95.4

179 22.3 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: 40.190 ng

RT: 8.99 min Scan# 1173

Delta R.T. -0.01 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

Instrument :

BNA_F

ClientSampled :

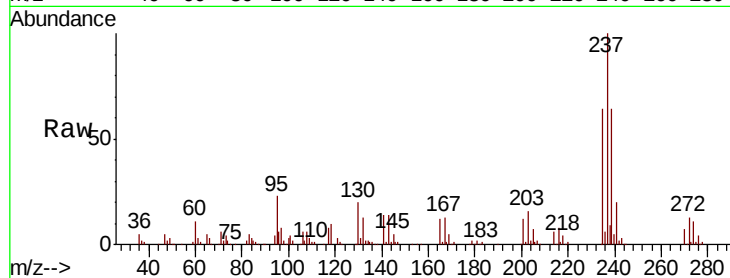
Tot Ion:237 Resp: 177107

Ion Ratio Lower Upper

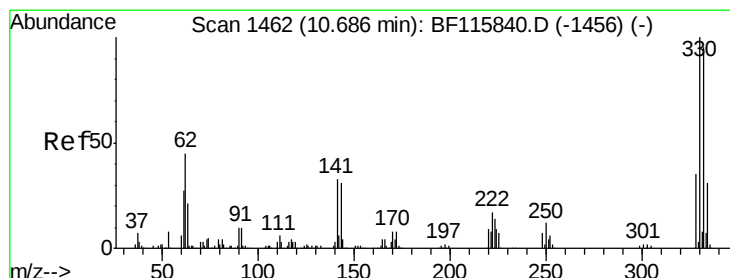
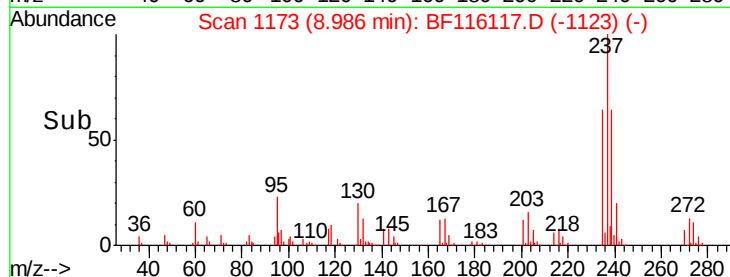
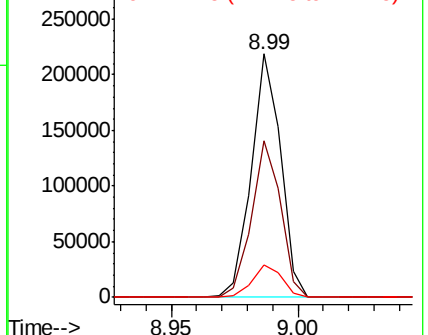
237 100

235 64.2 43.4 83.4

272 13.2 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: 81.356 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

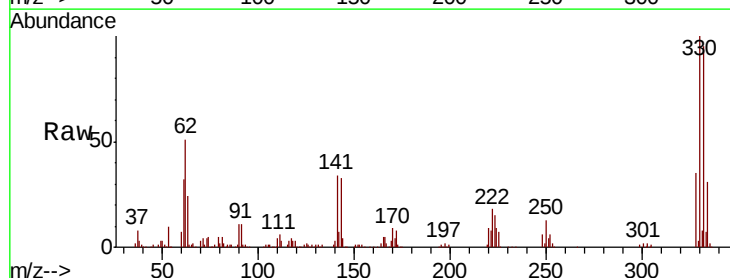
Tgt Ion:330 Resp: 314522

Ion Ratio Lower Upper

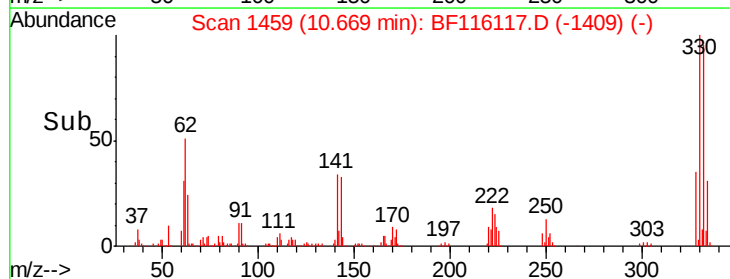
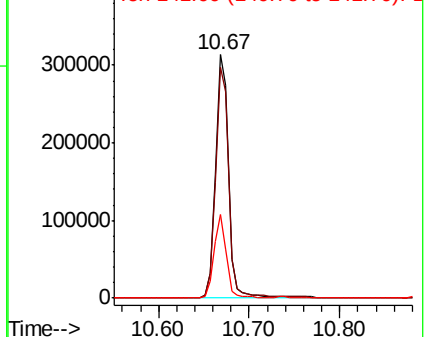
330 100

332 96.0 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

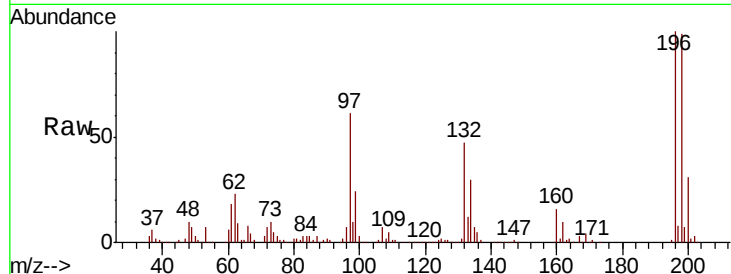




#43
 2,4,6-Trichlorophenol
 Concen: 39.552 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF116117.D
 Acq: 9 Aug 2019 17:28

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	196	Resp	290211
Ion Ratio	Lower	Upper	
196	100		
198	99.4	79.2	118.8
200	31.3	25.2	37.8

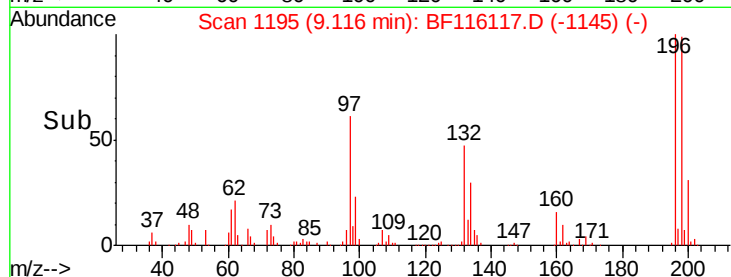
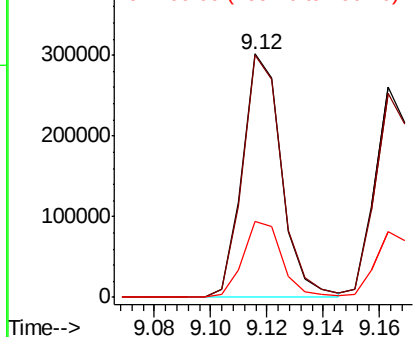


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44
 2,4,5-Trichlorophenol
 Concen: 40.503 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF116117.D
 Acq: 9 Aug 2019 17:28

Tgt Ion	196	Resp	307207
Ion Ratio	Lower	Upper	
196	100		
198	96.8	78.8	118.2
97	51.3	42.2	63.4
132	29.7	24.0	36.0

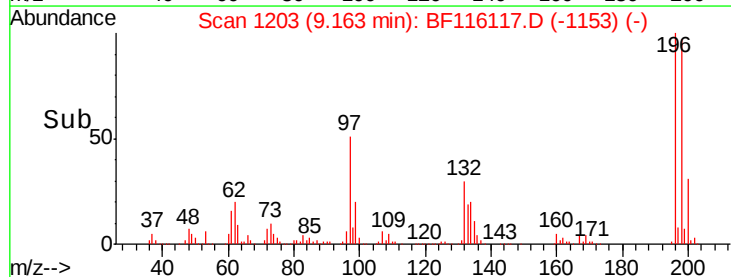
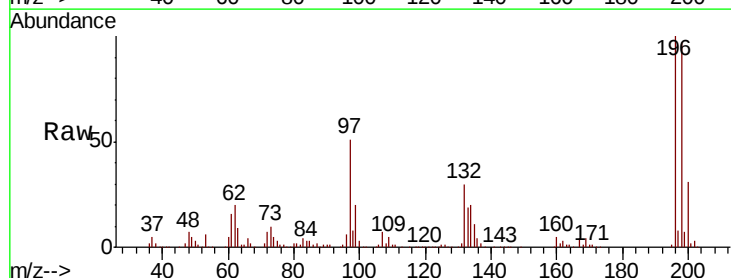
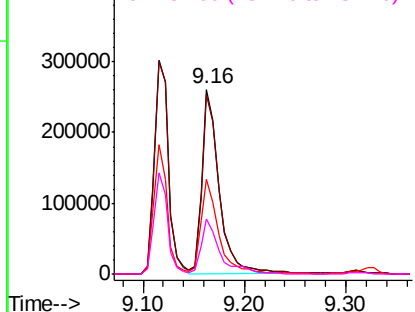
Abundance

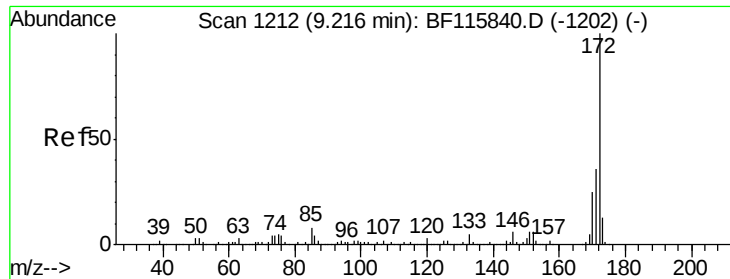
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E





#45

2-Fluorobiphenyl

Concen: 78.574 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

Instrument :

BNA_F

ClientSampleId :

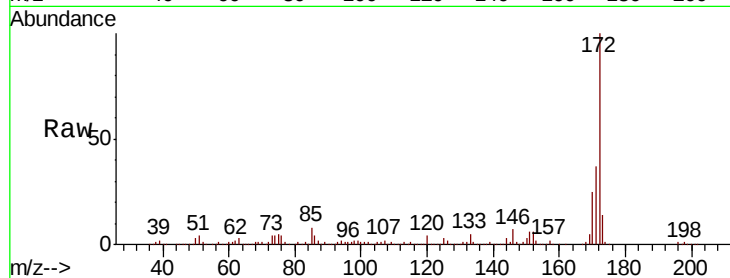
Tot Ion:172 Resp: 1672714

Ion Ratio Lower Upper

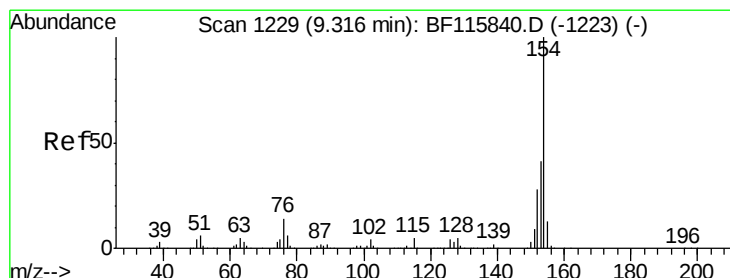
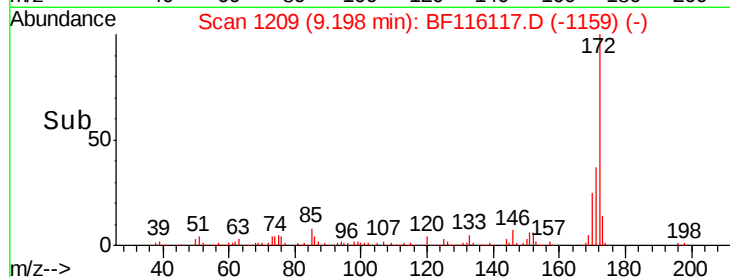
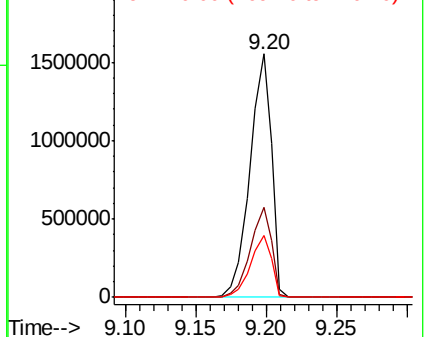
172 100

171 37.0 29.6 44.4

170 25.3 20.1 30.1



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



#46

1,1'-Biphenyl

Concen: 40.693 ng

RT: 9.30 min Scan# 1226

Delta R.T. -0.01 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

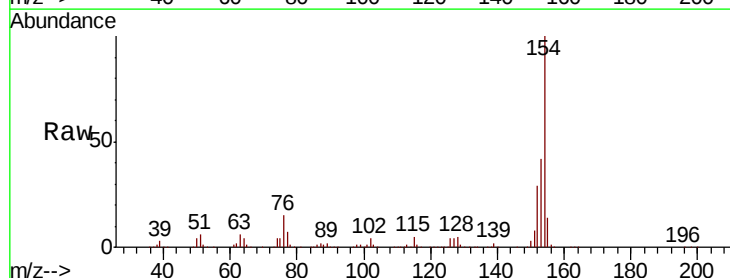
Tgt Ion:154 Resp: 1145558

Ion Ratio Lower Upper

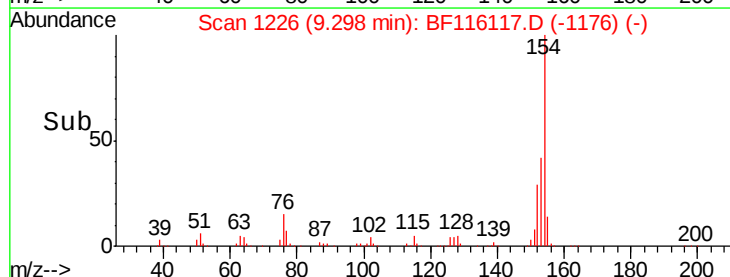
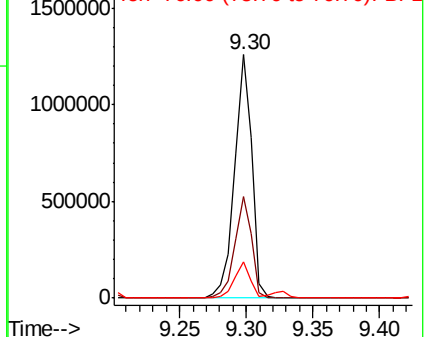
154 100

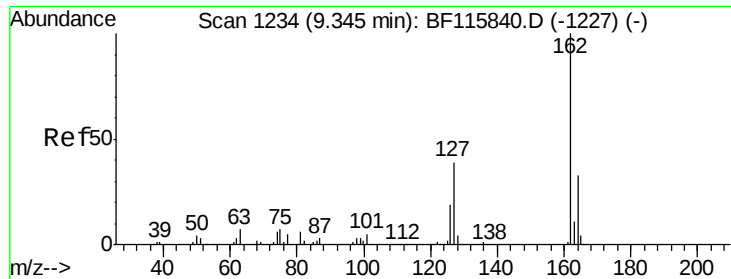
153 41.5 21.4 61.4

76 14.6 0.0 35.2



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

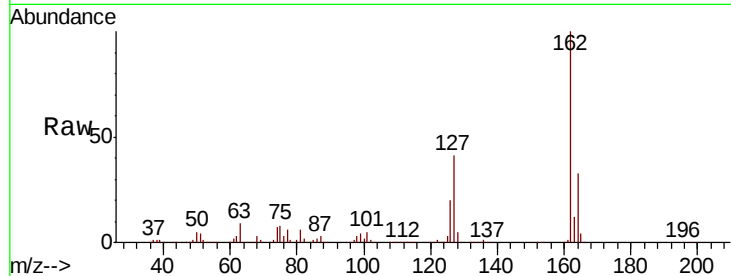




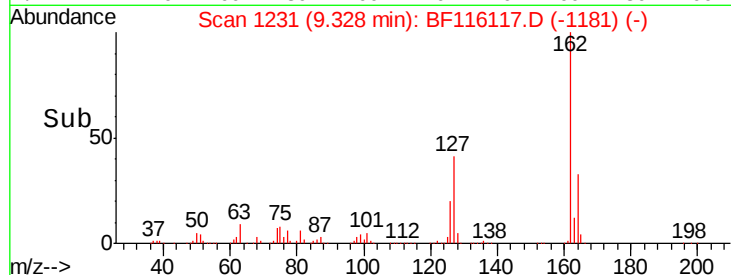
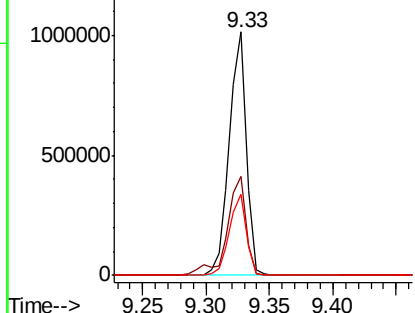
#47
 2-Chloronaphthalene
 Concen: 40.315 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF116117.D
 Acq: 9 Aug 2019 17:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
162	100		
127	40.9	32.8	49.2
164	33.5	26.6	39.8

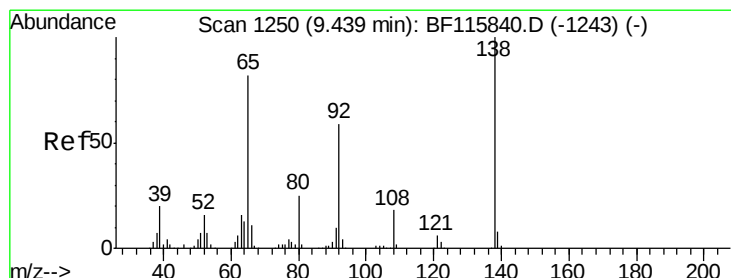


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

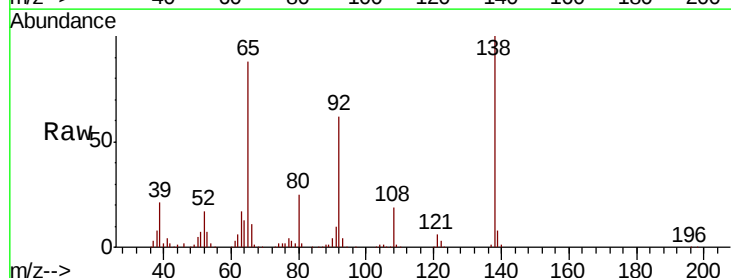
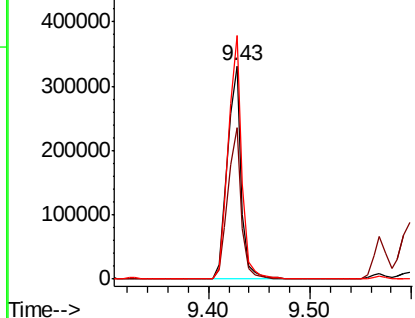


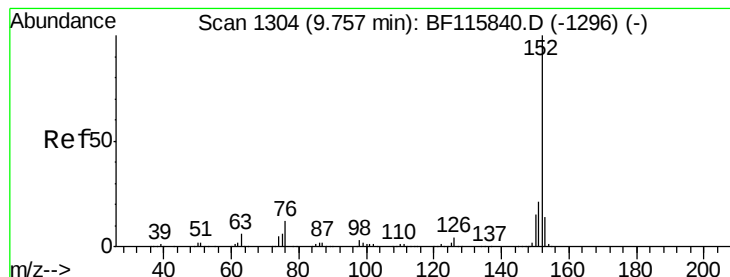
#48
 2-Nitroaniline
 Concen: 40.508 ng
 RT: 9.43 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: BF116117.D
 Acq: 9 Aug 2019 17:28

Tgt Ion	Ratio	Lower	Upper
65	100		
92	71.1	57.8	86.8
138	114.1	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: 39.589 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

Instrument :

BNA_F

ClientSampleId :

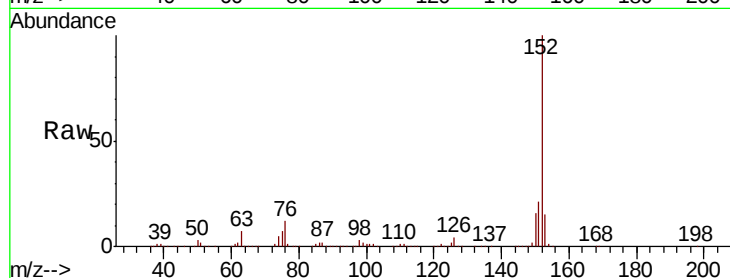
Tot Ion:152 Resp: 1353258

Ion Ratio Lower Upper

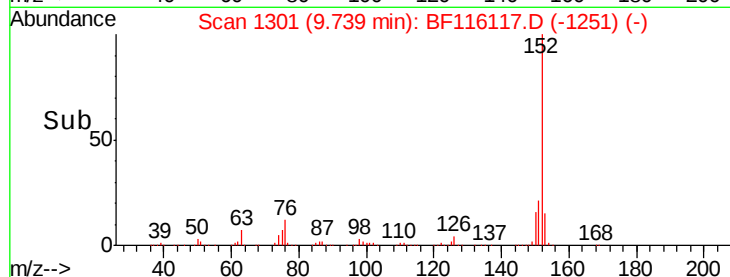
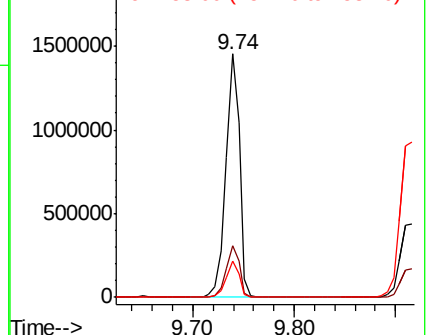
152 100

151 21.3 17.2 25.8

153 14.9 11.8 17.8



Abundance Ion 152.00 (151.70 to 152.70): E
2000000 Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 41.678 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

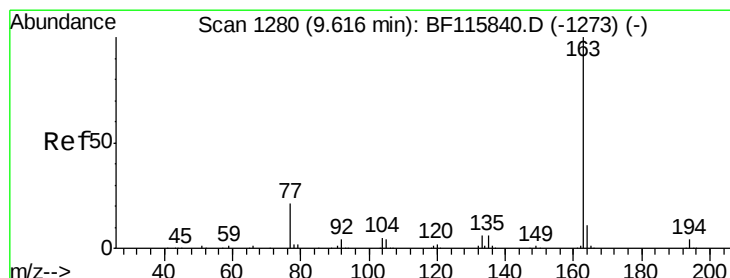
Tgt Ion:163 Resp: 1131557

Ion Ratio Lower Upper

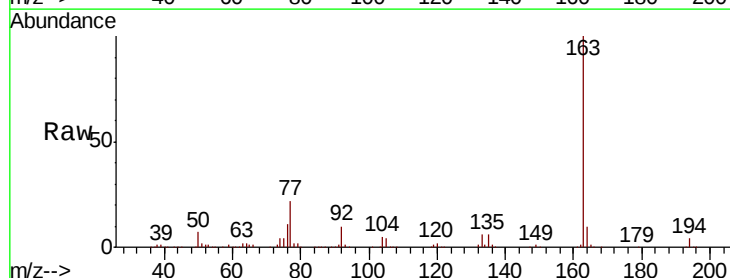
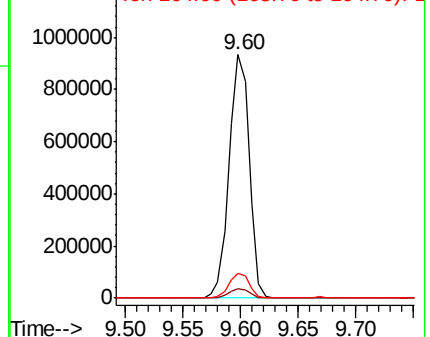
163 100

194 3.9 3.0 4.6

164 10.4 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
1200000 Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 41.664 ng

RT: 9.67 min Scan# 1289

Delta R.T. -0.01 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

Instrument :

BNA_F

ClientSampleId :

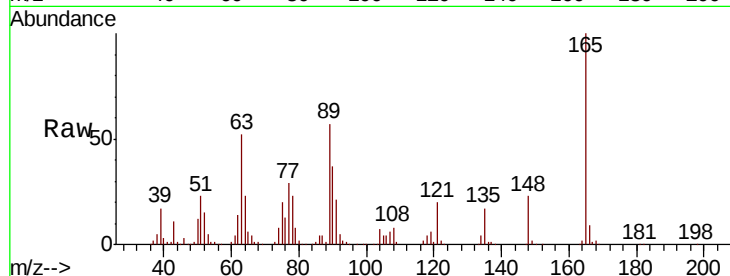
Tot Ion:165 Resp: 245828

Ion Ratio Lower Upper

165 100

63 52.5 38.2 57.2

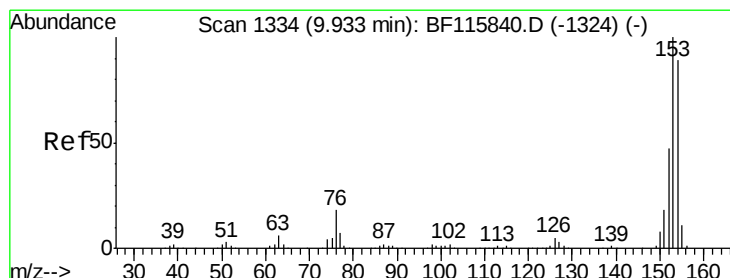
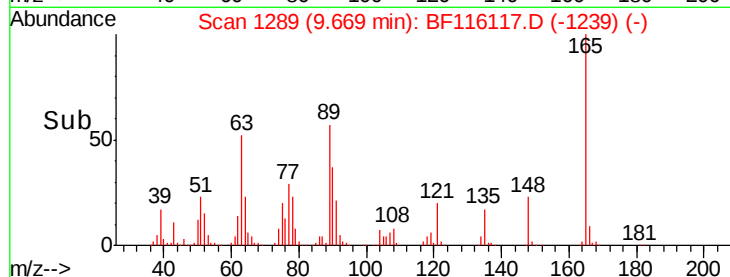
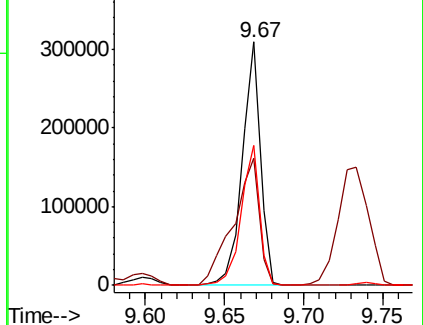
89 57.2 42.9 64.3



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: 39.913 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

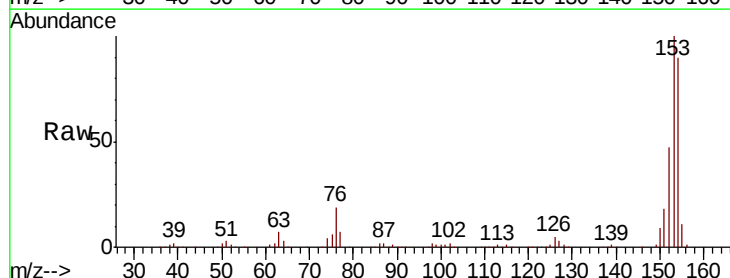
Tgt Ion:154 Resp: 837009

Ion Ratio Lower Upper

154 100

153 111.4 89.4 134.0

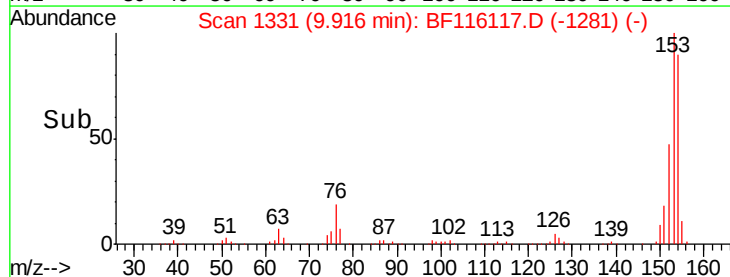
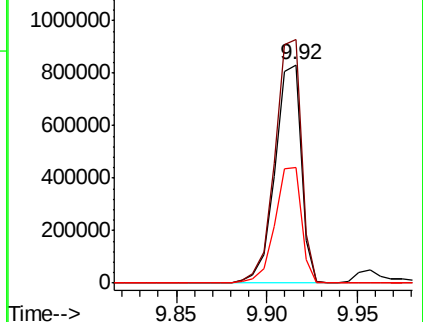
152 52.9 42.3 63.5

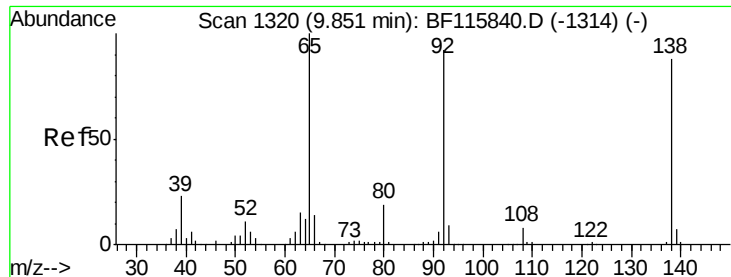


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

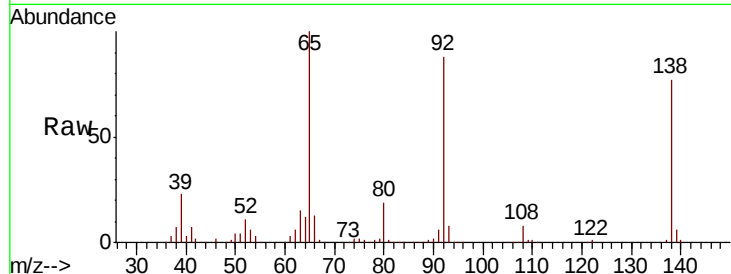




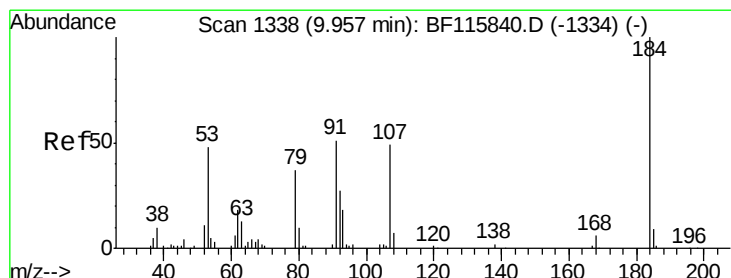
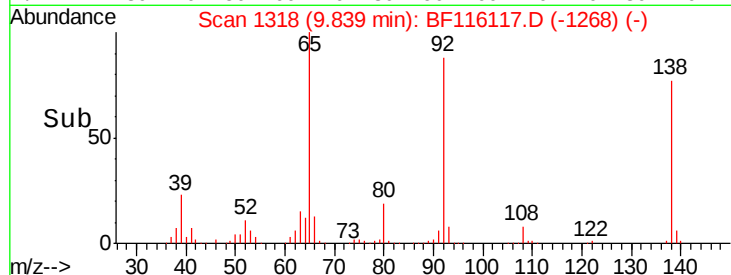
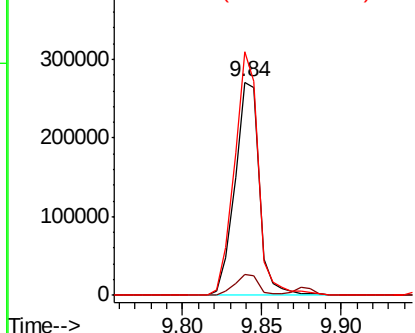
#53
3-Nitroaniline
Concen: 39.731 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF116117.D
Acq: 9 Aug 2019 17:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:138 Resp: 289661
Ion Ratio Lower Upper
138 100
108 10.0 8.0 12.0
92 114.1 91.0 136.6

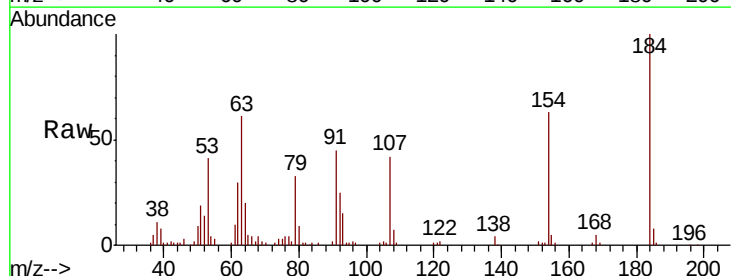


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

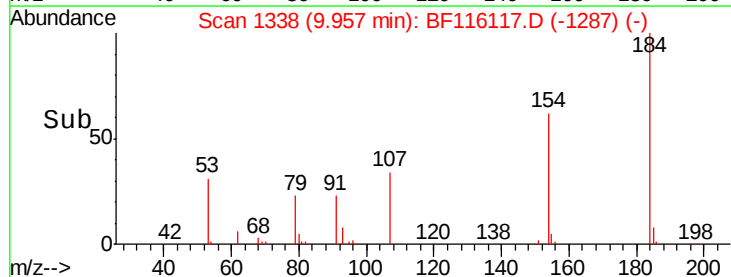
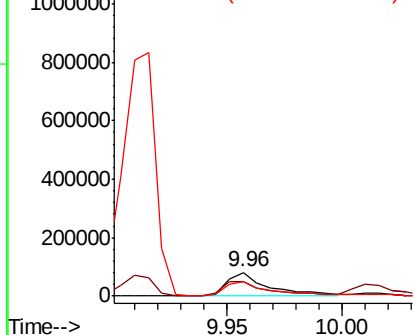


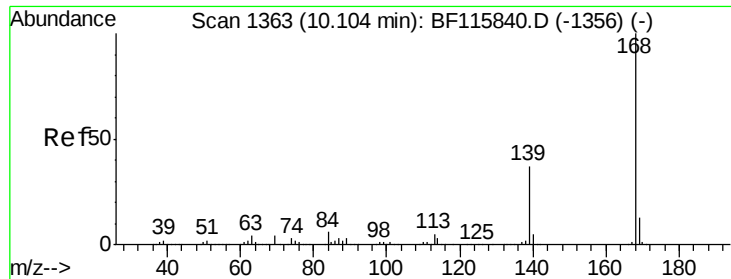
#54
2,4-Dinitrophenol
Concen: 38.359 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.00 min
Lab File: BF116117.D
Acq: 9 Aug 2019 17:28

Tgt Ion:184 Resp: 101590
Ion Ratio Lower Upper
184 100
63 60.6 53.0 79.4
154 62.8 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

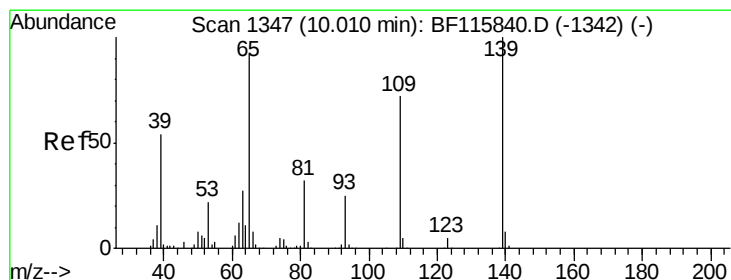
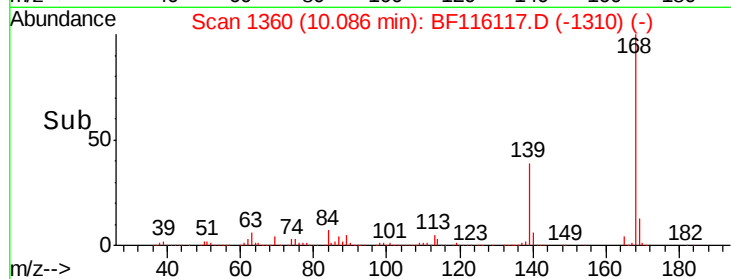
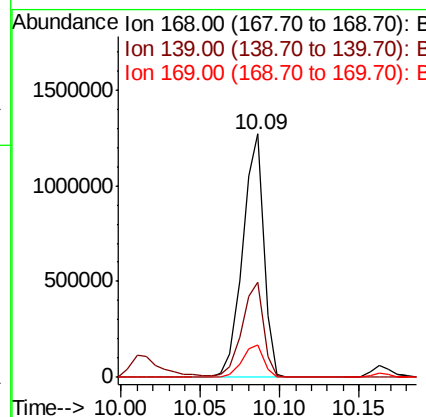
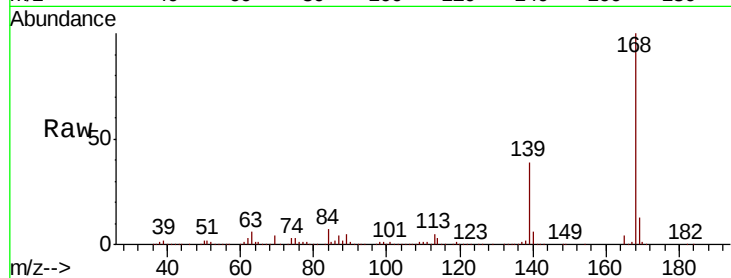




#55
Dibenzofuran
Concen: 38.401 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BF116117.D
Acq: 9 Aug 2019 17:28

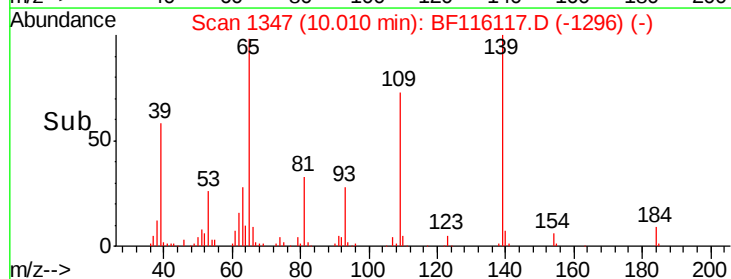
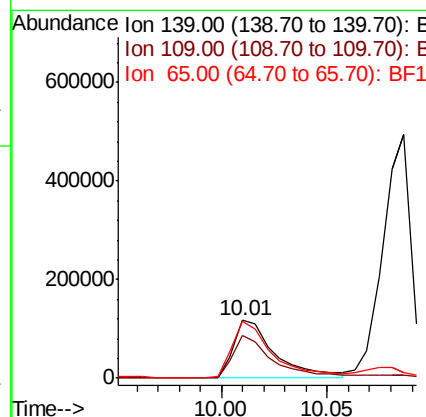
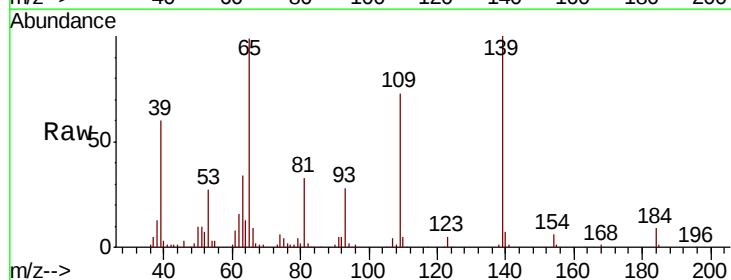
Instrument :
BNA_F
ClientSampleId :

Tot Ion:168 Resp: 1171116
Ion Ratio Lower Upper
168 100
139 38.9 31.4 47.2
169 13.4 10.9 16.3



#56
4-Nitrophenol
Concen: 34.236 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.00 min
Lab File: BF116117.D
Acq: 9 Aug 2019 17:28

Tgt Ion:139 Resp: 159894
Ion Ratio Lower Upper
139 100
109 72.6 54.4 94.4
65 98.7 80.6 120.6

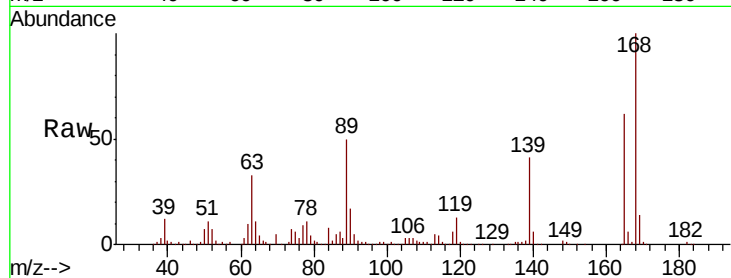




#57
2,4-Dinitrotoluene
Concen: 38.349 ng
RT: 10.07 min Scan# 1358
Delta R.T. -0.01 min
Lab File: BF116117.D
Acq: 9 Aug 2019 17:28

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	53.6	39.6	59.4
89	80.9	62.2	93.2
182	2.4	2.1	3.1



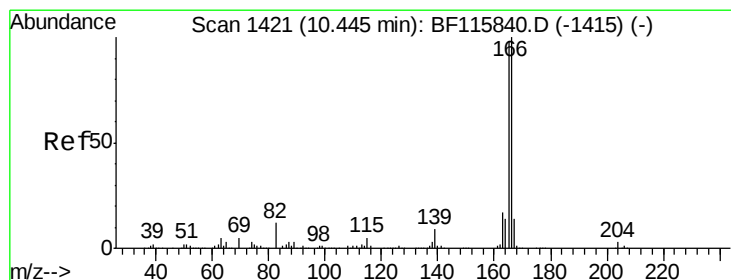
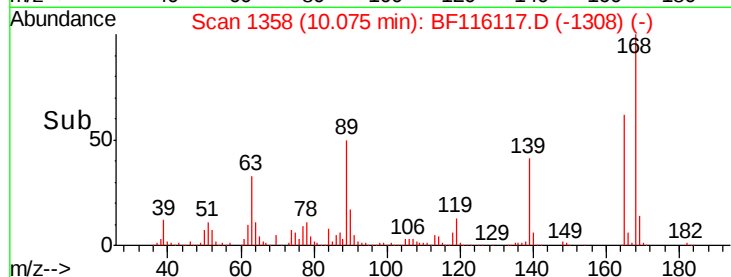
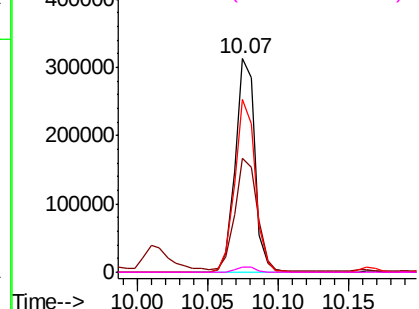
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

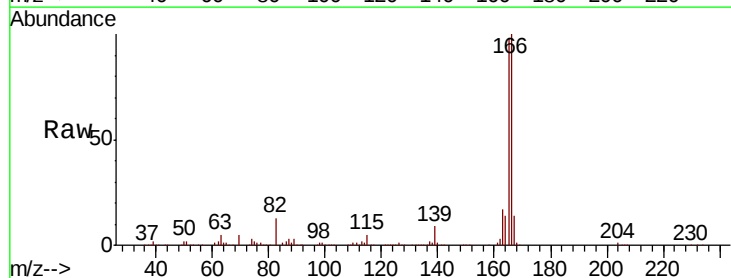
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 40.562 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BF116117.D
Acq: 9 Aug 2019 17:28

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.4	117.6
167	13.7	11.0	16.4

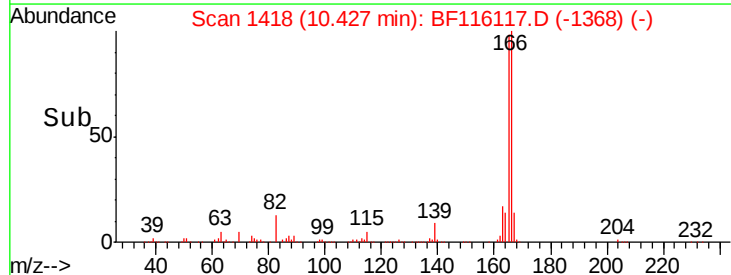
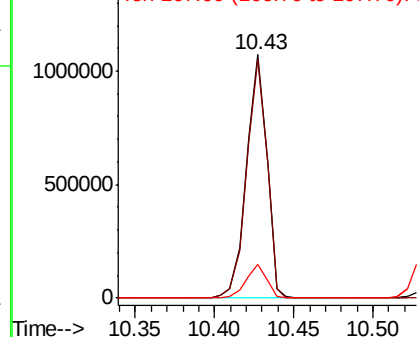


Abundance

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

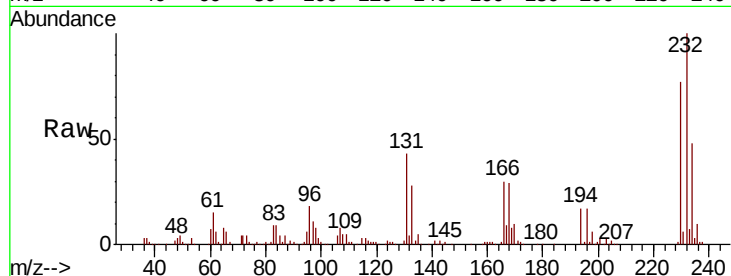




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.657 ng
RT: 10.21 min Scan# 1381
Delta R.T. -0.00 min
Lab File: BF116117.D
Acq: 9 Aug 2019 17:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
232	100		
131	46.6	36.2	54.2
130	2.4	1.9	2.9
166	30.0	23.0	34.4



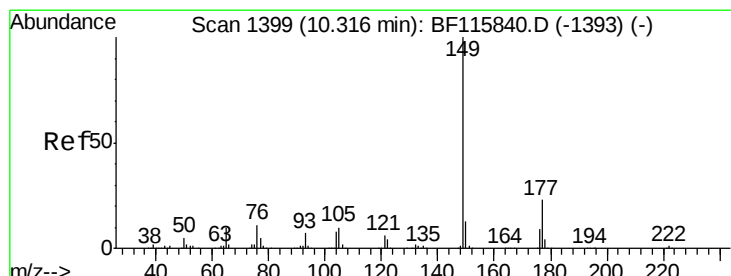
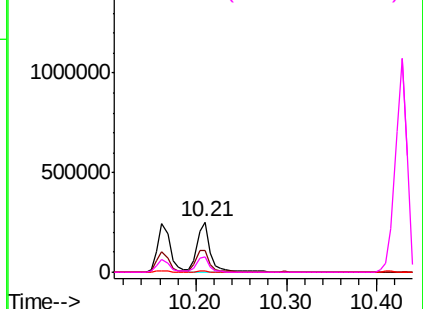
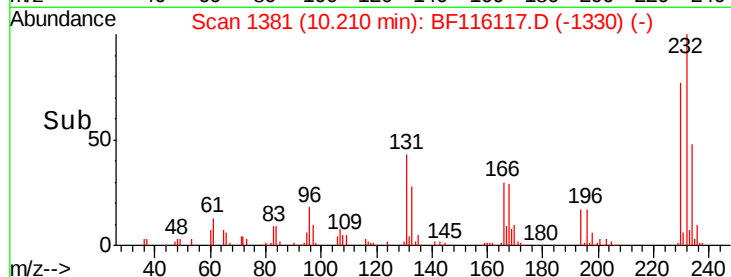
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

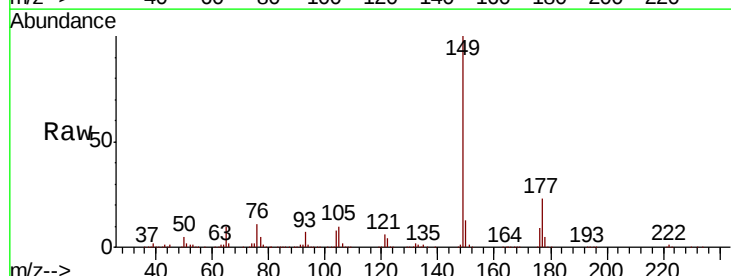
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
Diethylphthalate
Concen: 41.471 ng
RT: 10.30 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF116117.D
Acq: 9 Aug 2019 17:28

Tgt Ion	Ratio	Lower	Upper
149	100		
177	23.3	18.8	28.2
150	13.0	10.2	15.4

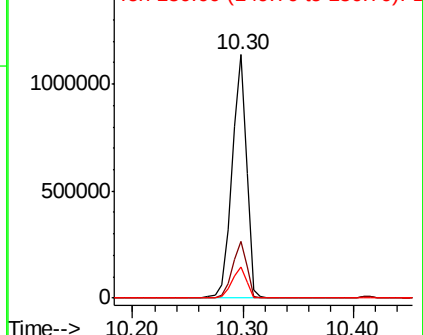
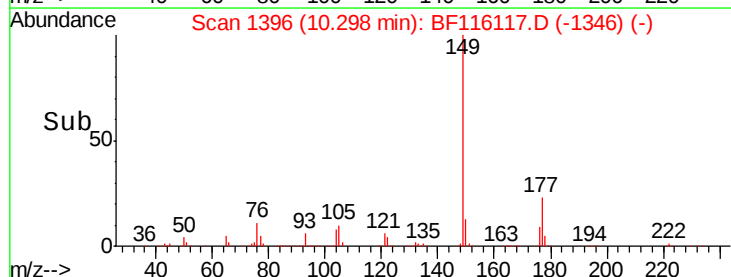


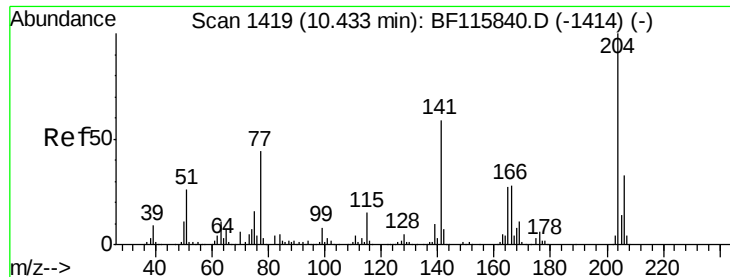
Abundance

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

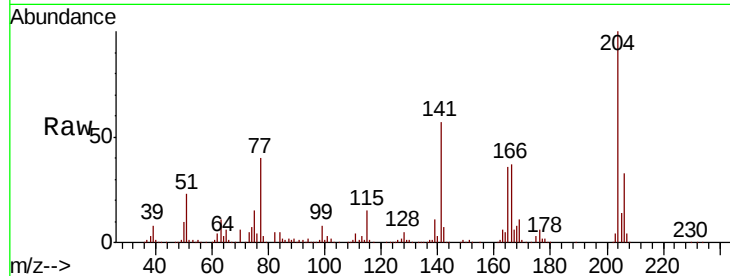




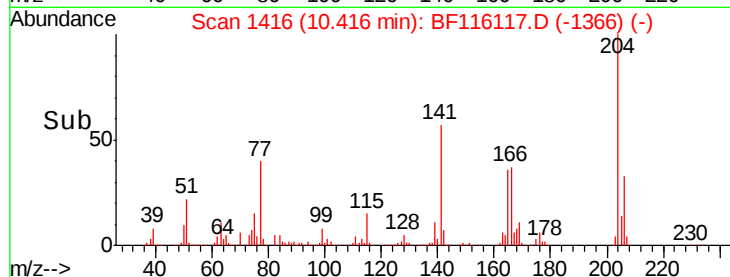
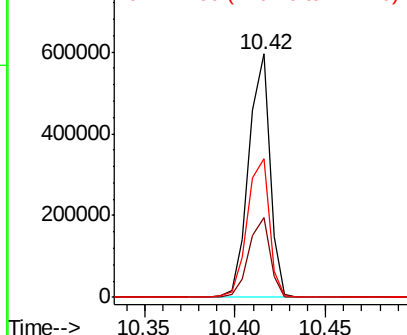
#61
4-Chlorophenyl-phenylether
Concen: 40.809 ng
RT: 10.42 min Scan# 1416
Delta R.T. -0.01 min
Lab File: BF116117.D
Acq: 9 Aug 2019 17:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:204 Resp: 484932
Ion Ratio Lower Upper
204 100
206 32.7 26.4 39.6
141 57.0 46.4 69.6

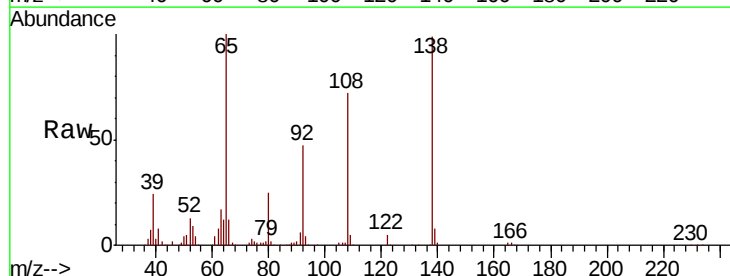


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

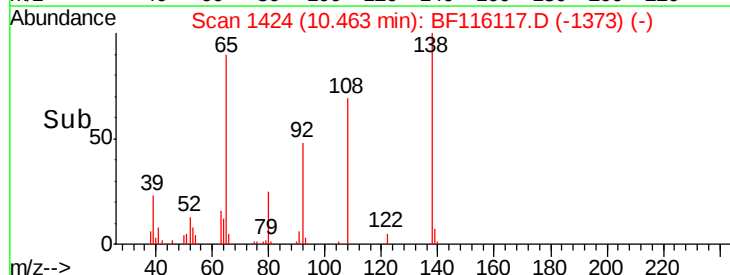
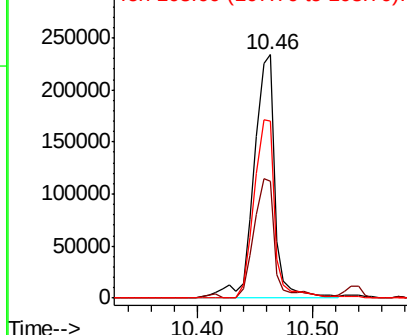


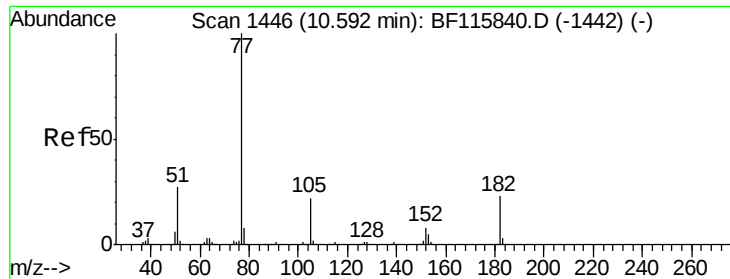
#62
4-Nitroaniline
Concen: 39.741 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.00 min
Lab File: BF116117.D
Acq: 9 Aug 2019 17:28

Tgt Ion:138 Resp: 299419
Ion Ratio Lower Upper
138 100
92 48.0 29.0 69.0
108 73.0 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: 41.268 ng

RT: 10.57 min Scan# 1443

Delta R.T. -0.01 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 1075936

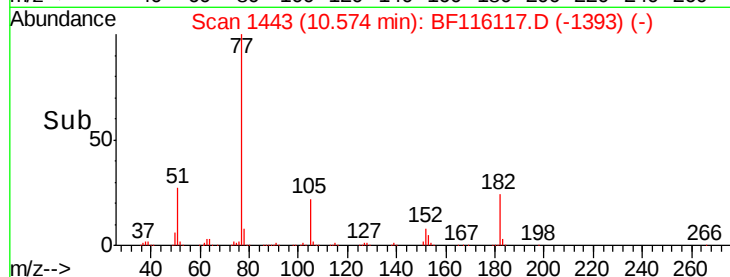
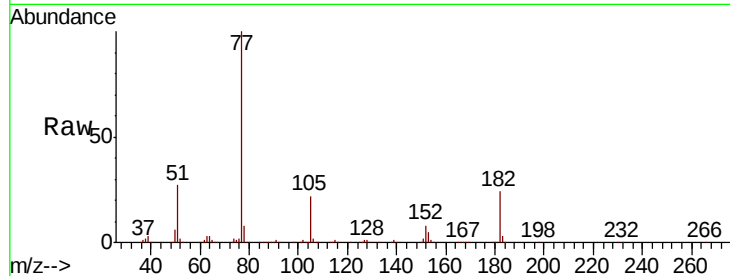
Ion Ratio Lower Upper

77 100

182 23.9 4.0 44.0

105 22.4 2.0 42.0

51 27.4 7.5 47.5

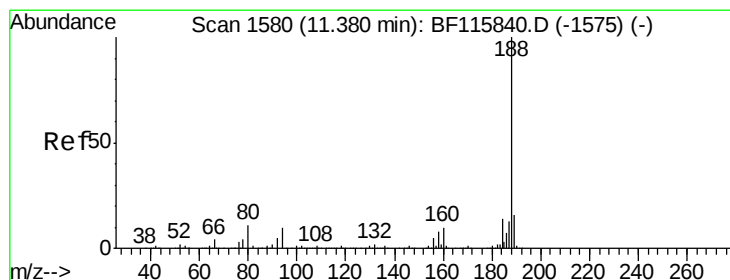
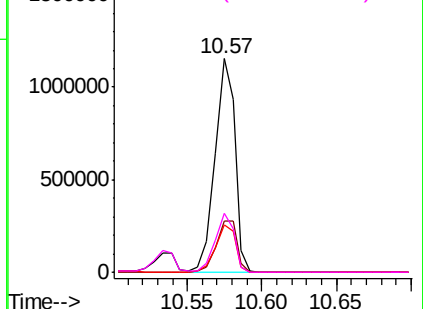


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

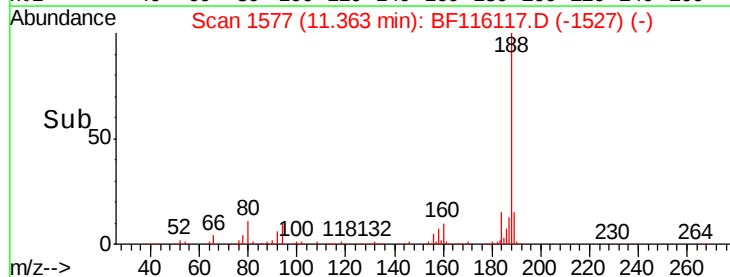
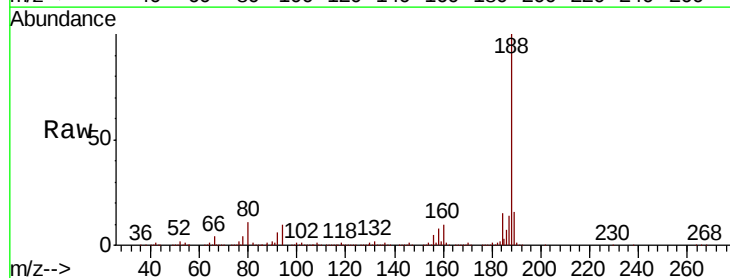
Tgt Ion: 188 Resp: 679053

Ion Ratio Lower Upper

188 100

94 10.3 8.1 12.1

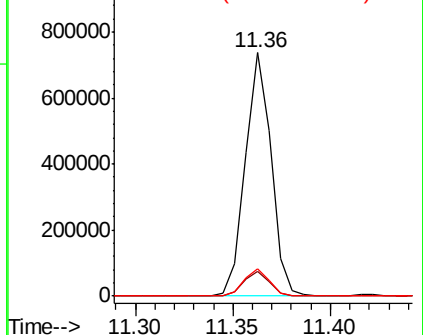
80 11.2 8.7 13.1

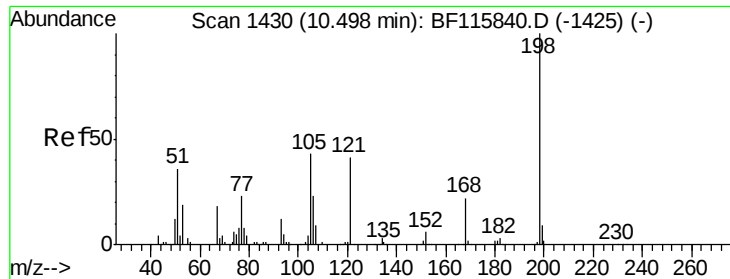


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

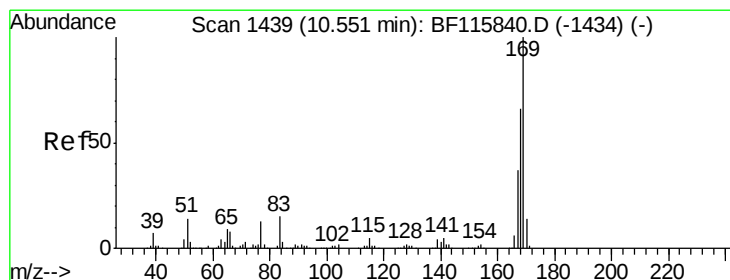
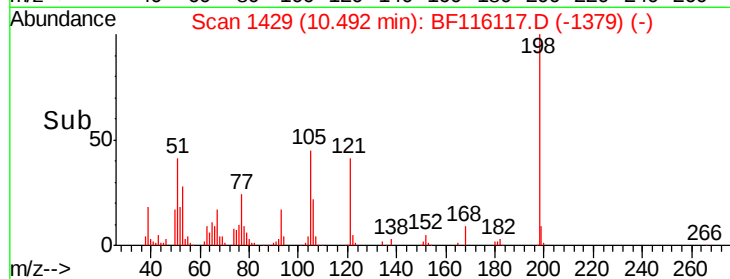
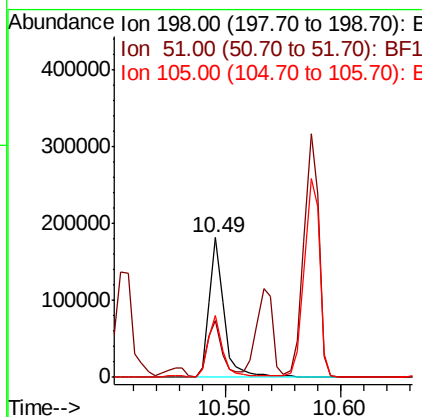
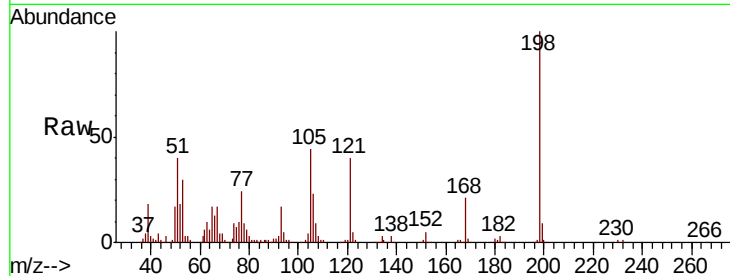




#65
 4,6-Dinitro-2-methylphenol
 Concen: 45.534 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.01 min
 Lab File: BF116117.D
 Acq: 9 Aug 2019 17:28

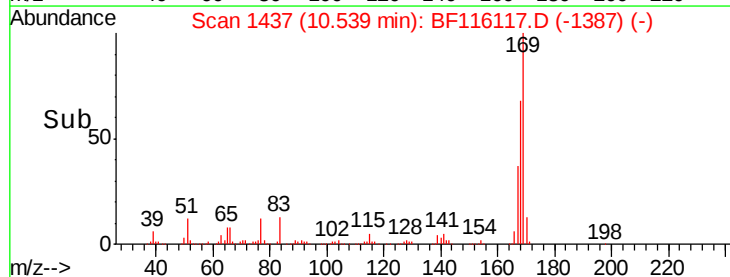
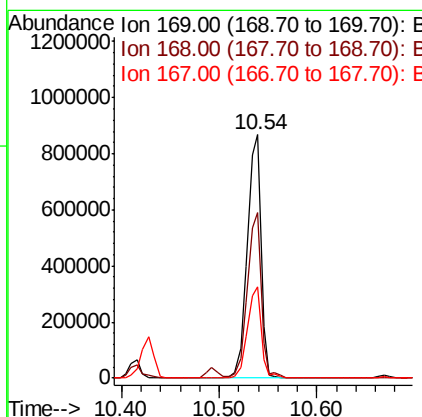
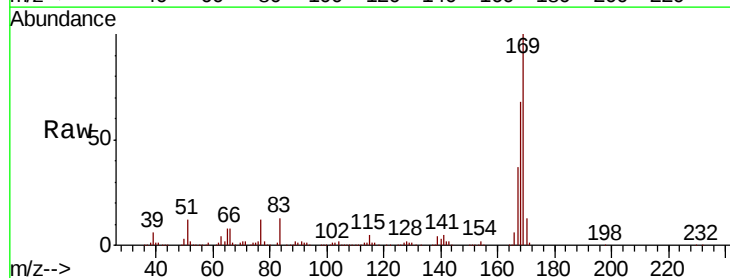
Instrument :
 BNA_F
 ClientSampleId :

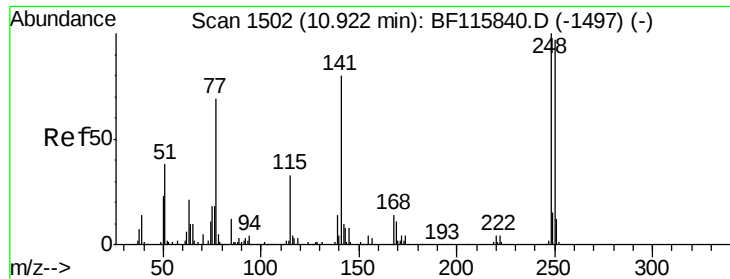
Tot Ion	Ratio	Lower	Upper
198	100		
51	40.3	17.0	57.0
105	44.1	21.6	61.6



#66
 n-Nitrosodiphenylamine
 Concen: 41.632 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF116117.D
 Acq: 9 Aug 2019 17:28

Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.8	53.8	80.6
167	37.3	29.6	44.4

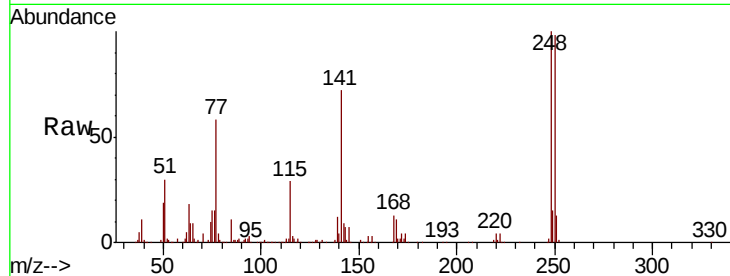




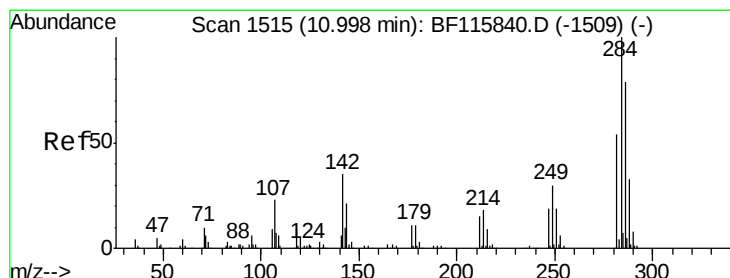
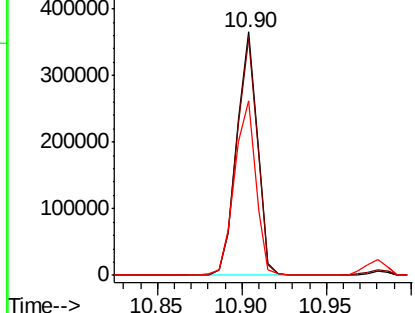
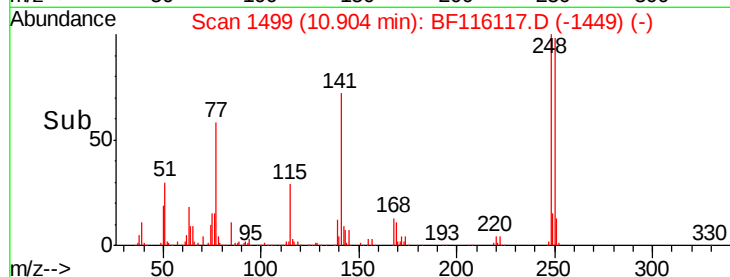
#67
4-Bromophenyl-phenylether
Concen: 42.691 ng
RT: 10.90 min Scan# 1499
Delta R.T. -0.01 min
Lab File: BF116117.D
Acq: 9 Aug 2019 17:28

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 310333
Ion Ratio Lower Upper
248 100
250 97.7 77.4 116.2
141 71.8 56.8 85.2

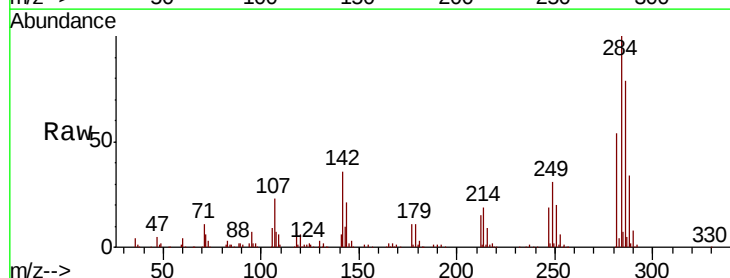


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

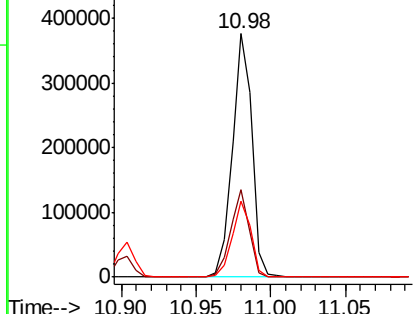
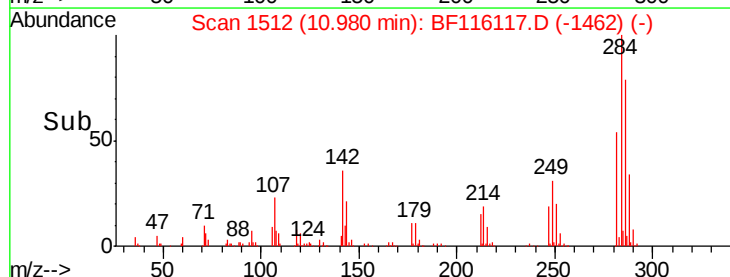


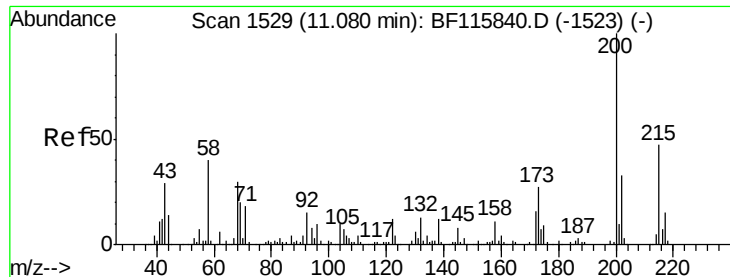
#68
Hexachlorobenzene
Concen: 41.444 ng
RT: 10.98 min Scan# 1512
Delta R.T. -0.01 min
Lab File: BF116117.D
Acq: 9 Aug 2019 17:28

Tgt Ion:284 Resp: 348371
Ion Ratio Lower Upper
284 100
142 36.1 28.4 42.6
249 31.4 24.5 36.7



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

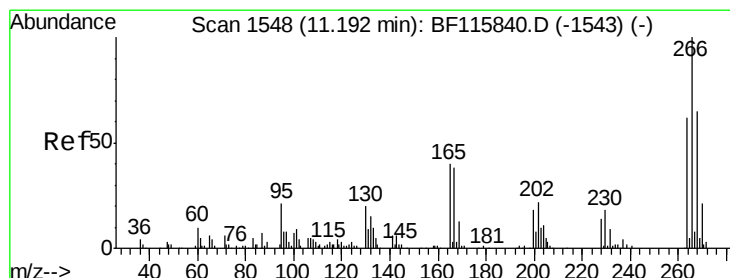
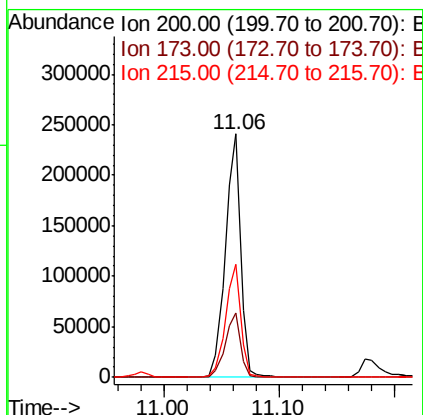
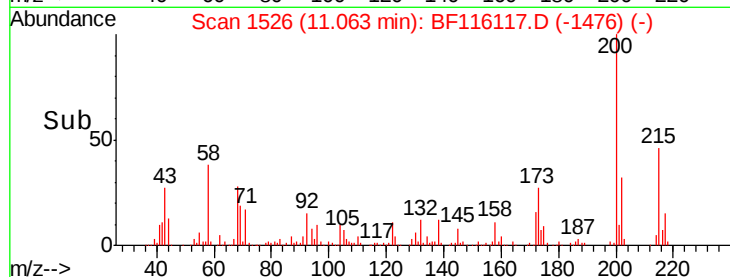
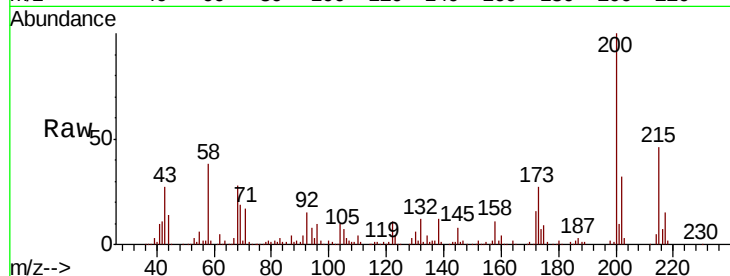




#69
 Atrazine
 Concen: 32.910 ng
 RT: 11.06 min Scan# 1526
 Delta R.T. -0.01 min
 Lab File: BF116117.D
 Acq: 9 Aug 2019 17:28

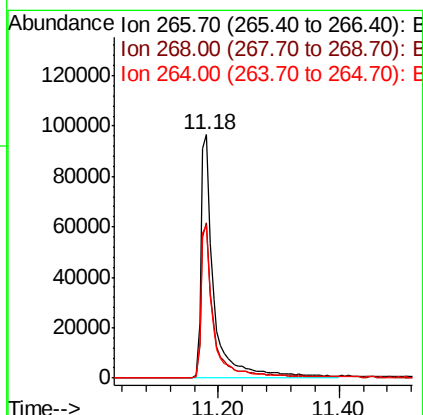
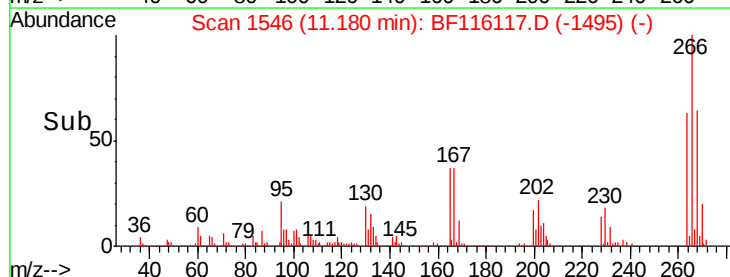
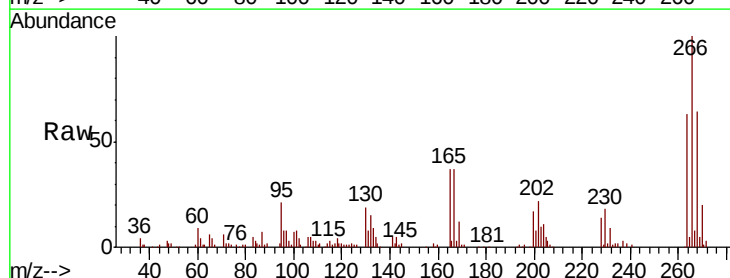
Instrument :
 BNA_F
 ClientSampleId :

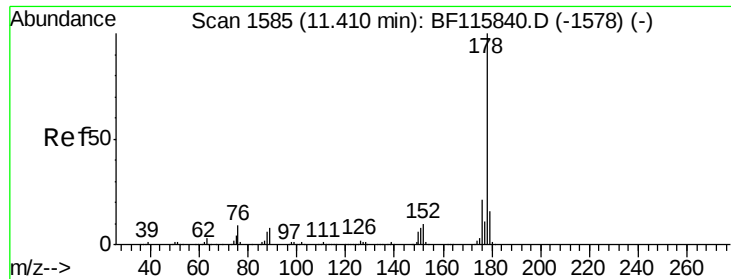
Tot Ion:200 Resp: 221284
 Ion Ratio Lower Upper
 200 100
 173 26.5 6.8 46.8
 215 46.3 27.5 67.5



#70
 Pentachlorophenol
 Concen: 35.783 ng
 RT: 11.18 min Scan# 1546
 Delta R.T. -0.00 min
 Lab File: BF116117.D
 Acq: 9 Aug 2019 17:28

Tgt Ion:266 Resp: 146027
 Ion Ratio Lower Upper
 266 100
 268 63.9 48.8 73.2
 264 62.7 50.6 76.0





#71

Phenanthrene

Concen: 40.387 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

Instrument :

BNA_F

ClientSampleId :

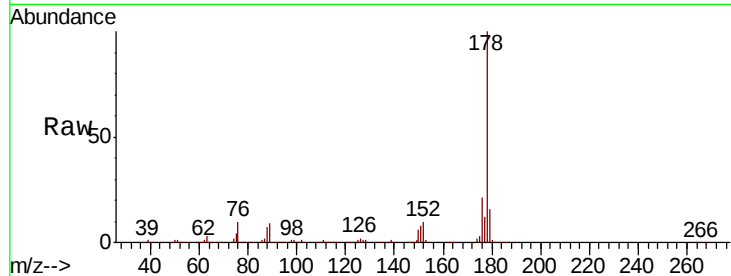
Tot Ion:178 Resp: 1402004

Ion Ratio Lower Upper

178 100

176 20.7 16.6 24.8

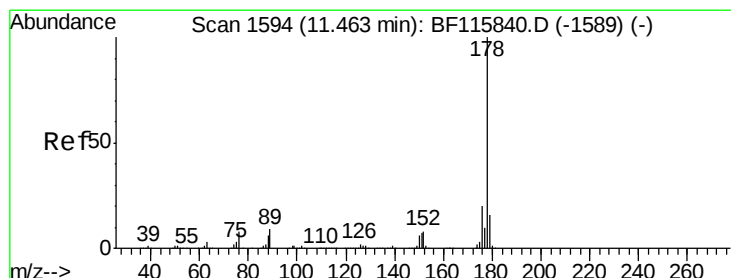
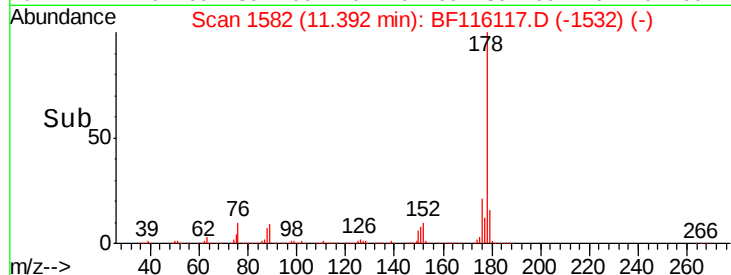
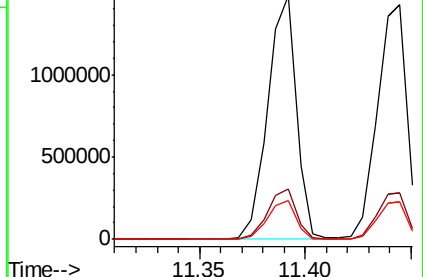
179 15.8 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 40.651 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.00 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

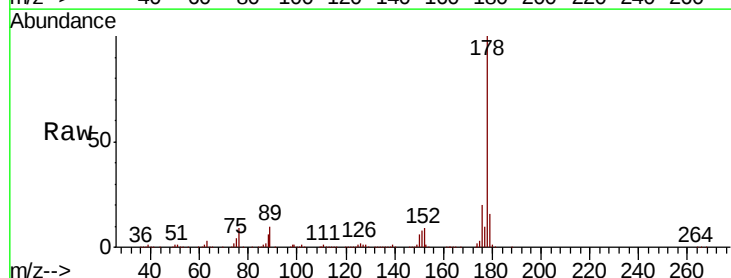
Tgt Ion:178 Resp: 1428189

Ion Ratio Lower Upper

178 100

176 20.0 15.7 23.5

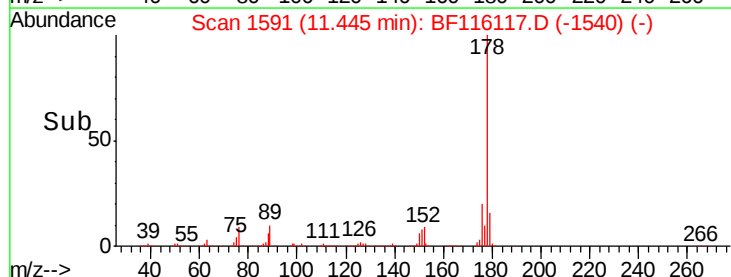
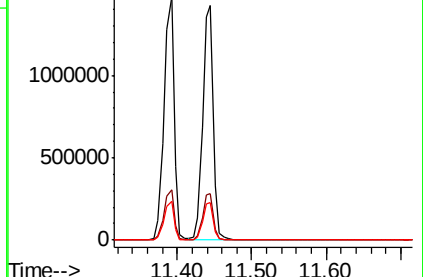
179 15.8 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



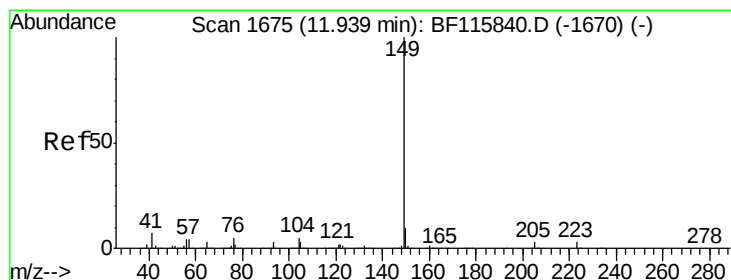
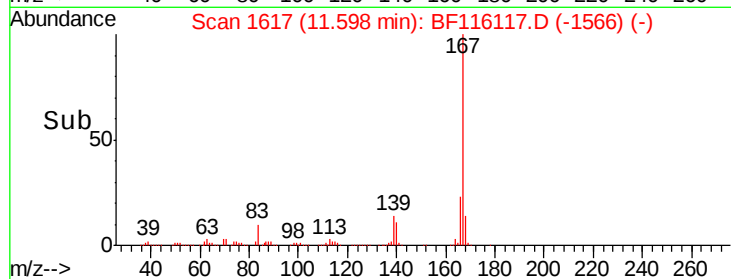
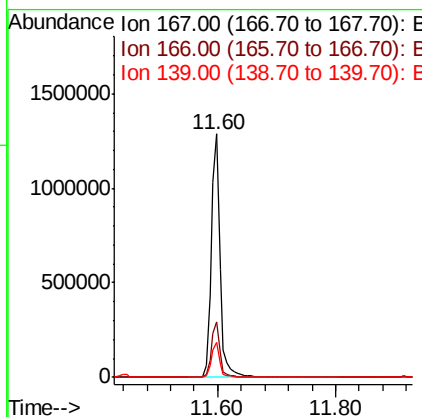
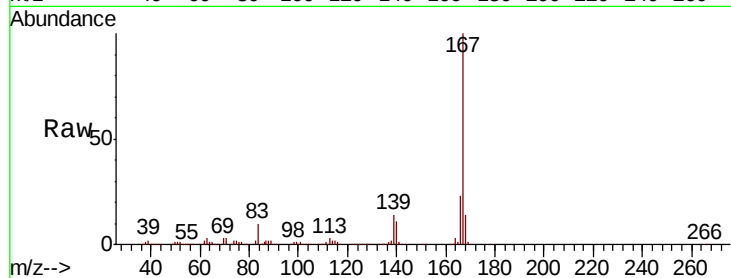


#73
 Carbazole
 Concen: 41.872 ng
 RT: 11.60 min Scan# 1617
 Delta R.T. -0.00 min
 Lab File: BF116117.D
 Acq: 9 Aug 2019 17:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:167 Resp: 1334625

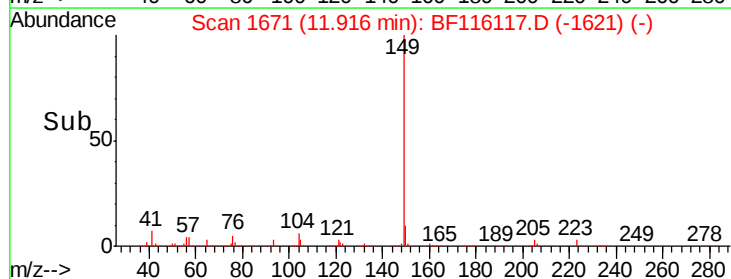
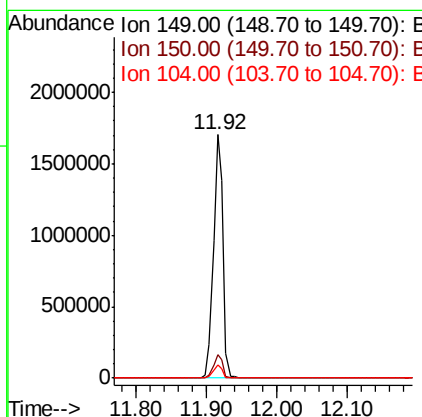
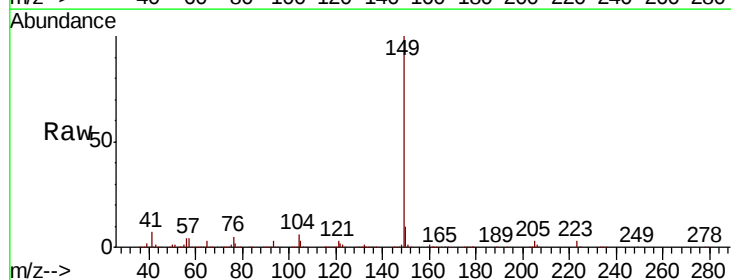
Ion	Ratio	Lower	Upper
167	100		
166	22.7	17.8	26.6
139	14.2	11.4	17.0

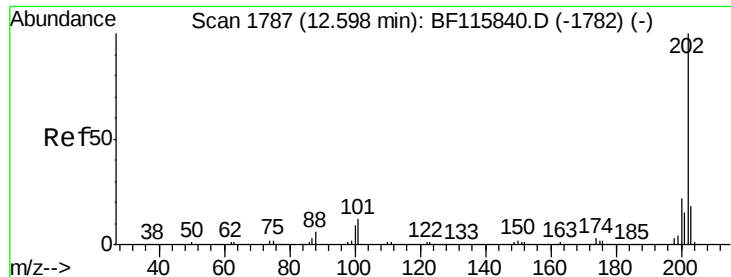


#74
 Di-n-butylphthalate
 Concen: 43.023 ng
 RT: 11.92 min Scan# 1671
 Delta R.T. -0.01 min
 Lab File: BF116117.D
 Acq: 9 Aug 2019 17:28

Tgt Ion:149 Resp: 1599699

Ion	Ratio	Lower	Upper
149	100		
150	9.8	8.0	12.0
104	5.5	4.5	6.7

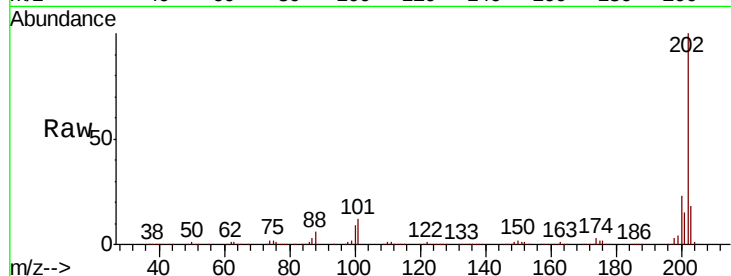




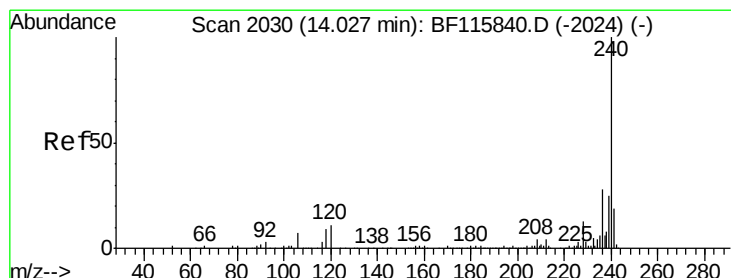
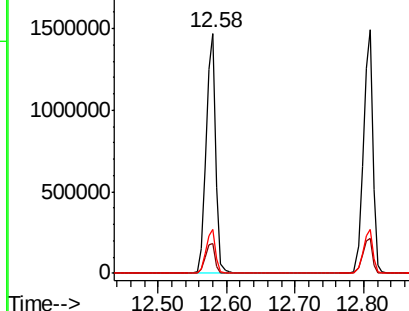
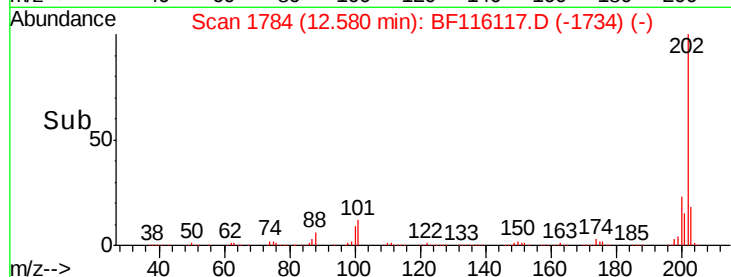
#75
 Fluoranthene
 Concen: 40.630 ng
 RT: 12.58 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: BF116117.D
 Acq: 9 Aug 2019 17:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:202 Resp: 1476623
 Ion Ratio Lower Upper
 202 100
 101 12.3 0.0 31.2
 203 18.3 0.0 37.8

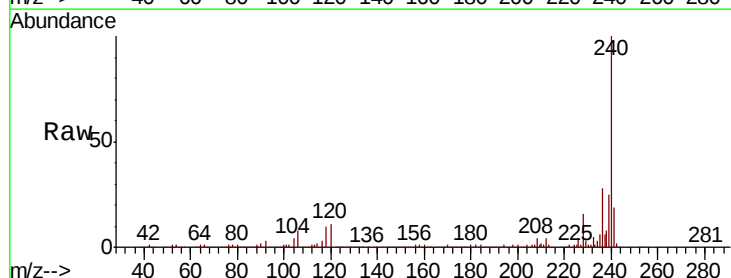


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

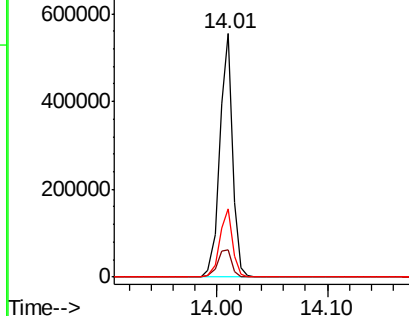
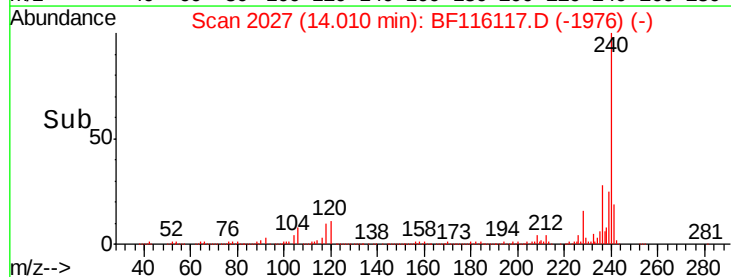


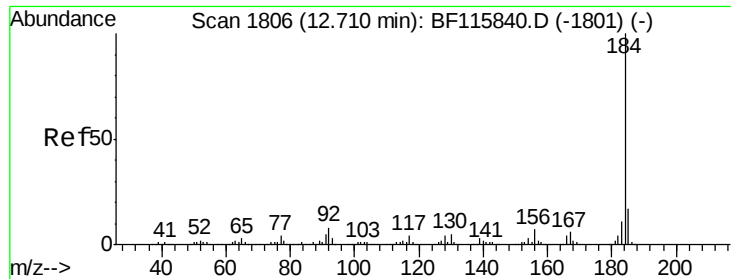
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.00 min
 Lab File: BF116117.D
 Acq: 9 Aug 2019 17:28

Tgt Ion:240 Resp: 448846
 Ion Ratio Lower Upper
 240 100
 120 11.2 10.7 16.1
 236 28.0 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: 44.229 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.00 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

Instrument :

BNA_F

ClientSampleId :

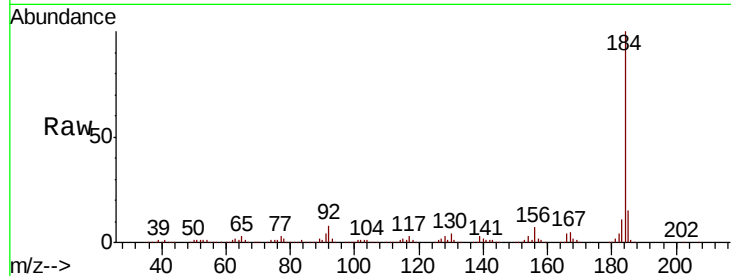
Tot Ion:184 Resp: 670687

Ion	Ratio	Lower	Upper
184	100		
185	14.8	12.8	19.2
183	11.4	9.4	14.0

184 100

185 14.8 12.8 19.2

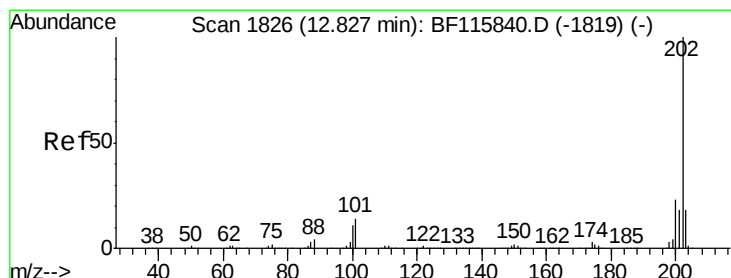
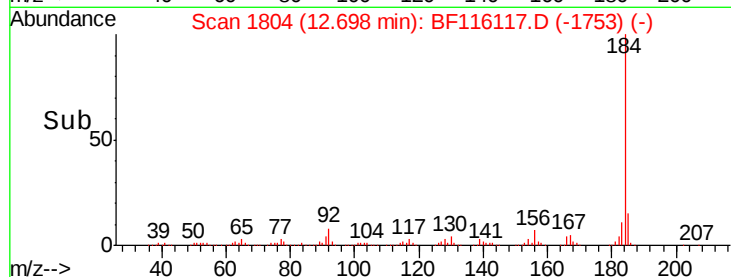
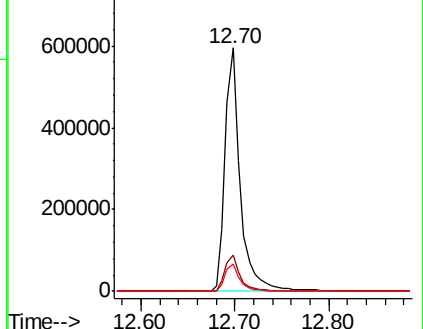
183 11.4 9.4 14.0



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: 43.742 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

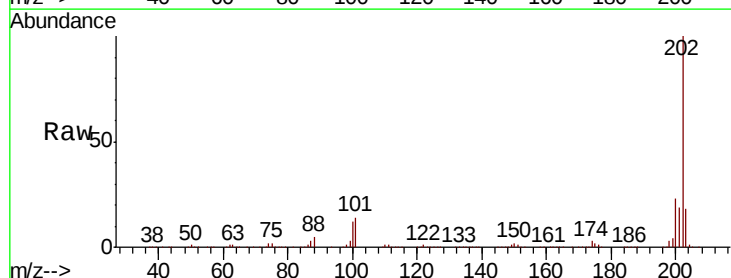
Tgt Ion:202 Resp: 1480012

Ion	Ratio	Lower	Upper
202	100		
200	22.9	18.0	27.0
203	18.0	14.1	21.1

202 100

200 22.9 18.0 27.0

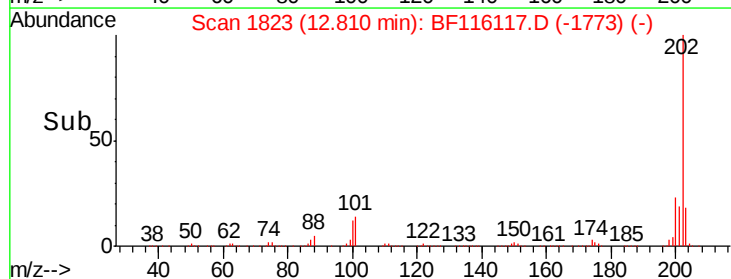
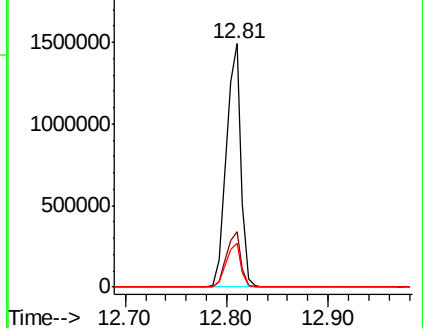
203 18.0 14.1 21.1



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

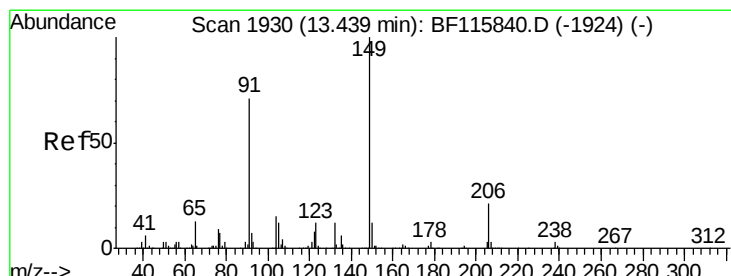
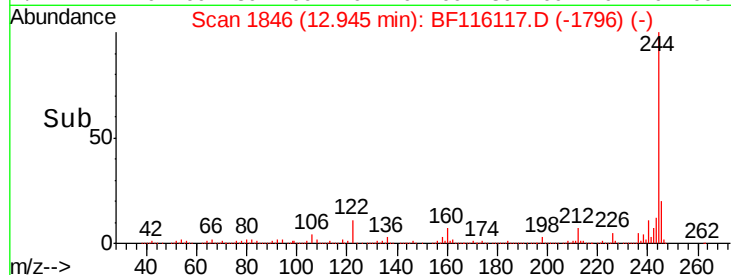
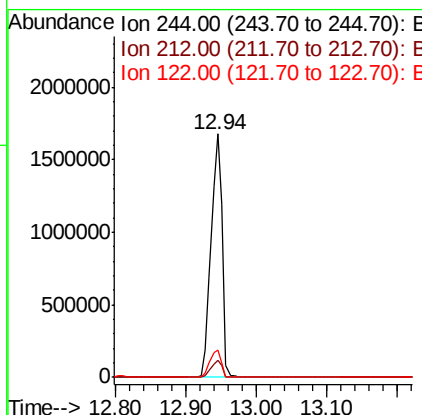
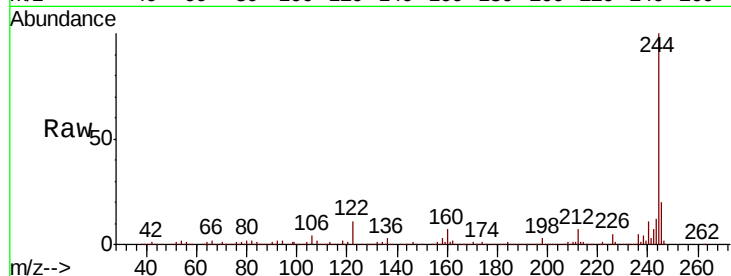




#79
 Terphenyl-d14
 Concen: 86.443 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116117.D
 Acq: 9 Aug 2019 17:28

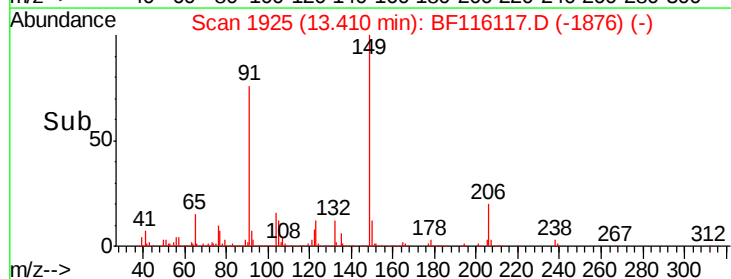
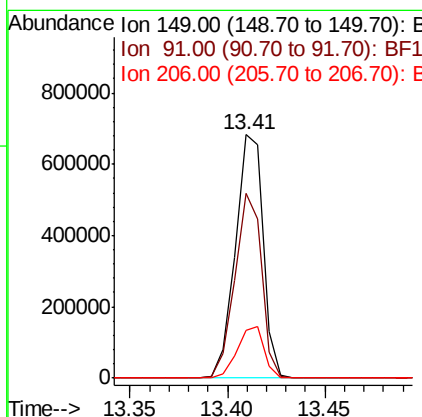
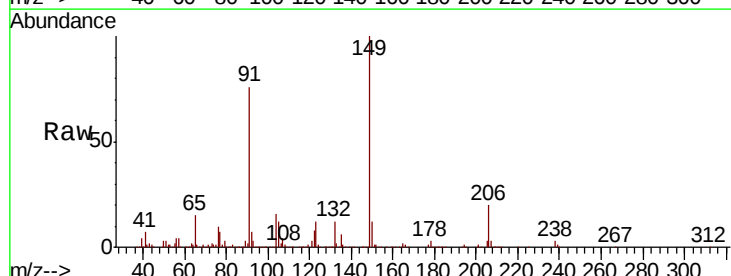
Instrument :
 BNA_F
 ClientSampleId :

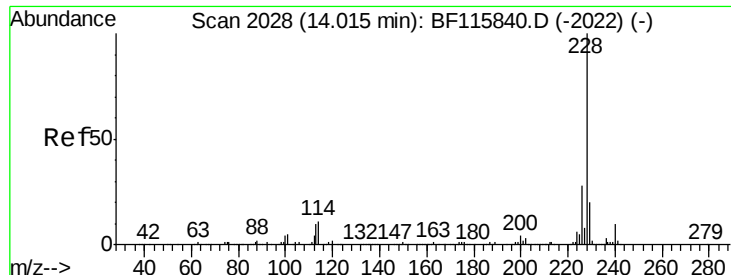
Tot Ion:244 Resp: 1841318
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 11.0 9.0 13.4



#80
 Butylbenzylphthalate
 Concen: 47.129 ng
 RT: 13.41 min Scan# 1925
 Delta R.T. -0.01 min
 Lab File: BF116117.D
 Acq: 9 Aug 2019 17:28

Tgt Ion:149 Resp: 674519
 Ion Ratio Lower Upper
 149 100
 91 75.7 56.3 84.5
 206 19.8 18.0 27.0





#81

Benzo(a)anthracene

Concen: 43.489 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.00 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

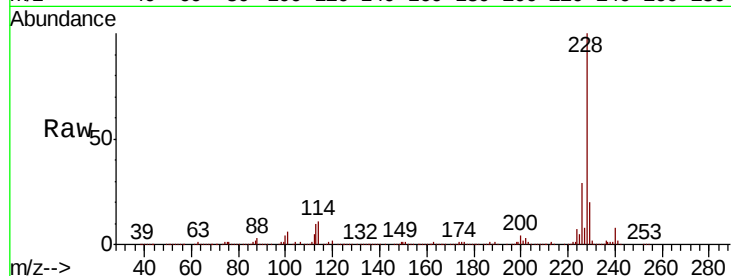
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 1247637

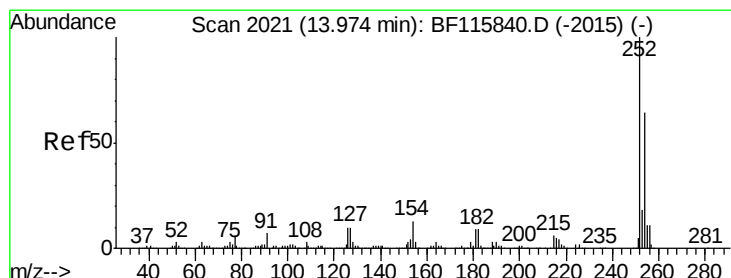
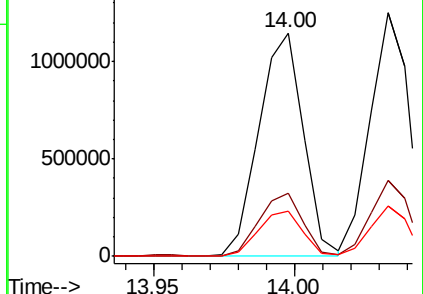
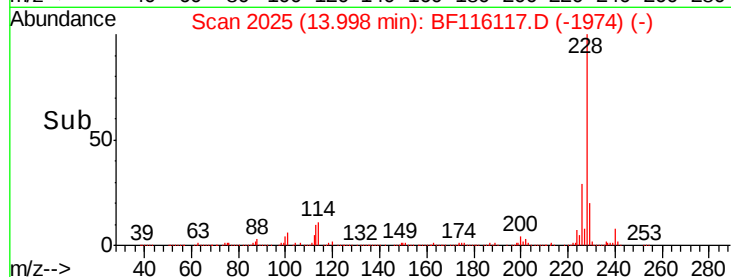
Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.7	34.1
229	20.2	16.2	24.4



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: 44.631 ng

RT: 13.95 min Scan# 2017

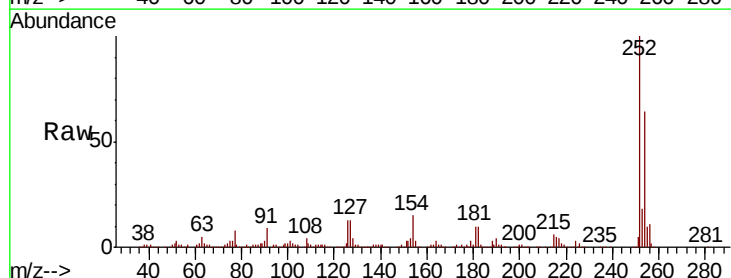
Delta R.T. -0.01 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

Tgt Ion:252 Resp: 444839

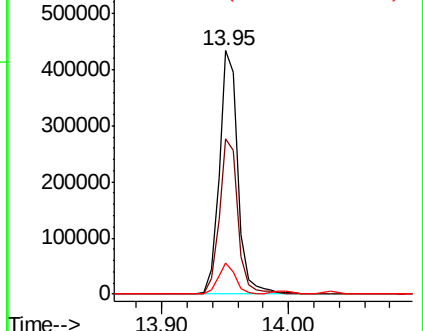
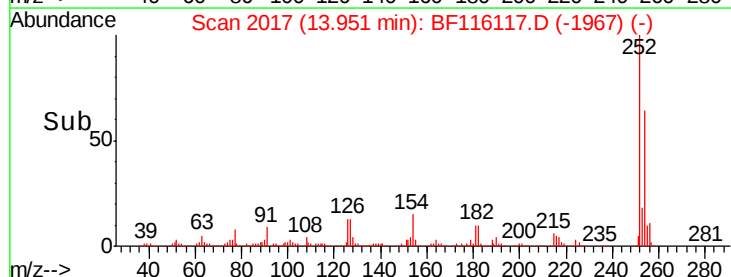
Ion	Ratio	Lower	Upper
252	100		
254	63.9	50.9	76.3
126	13.0	9.8	14.8

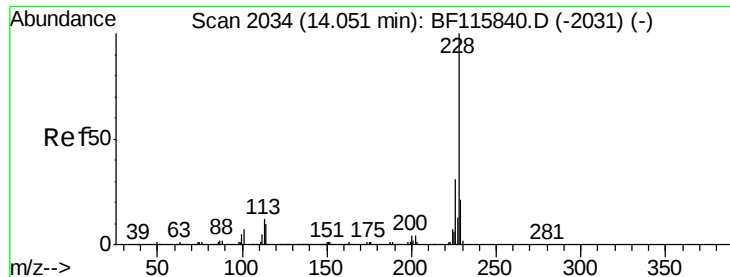


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

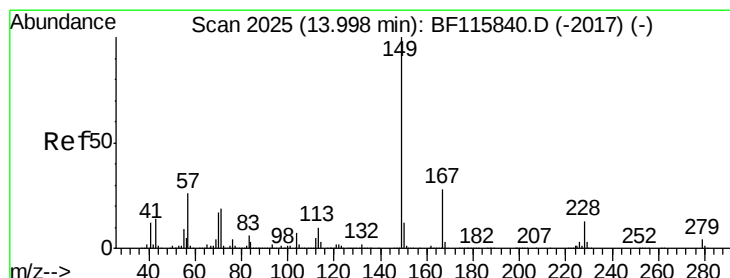
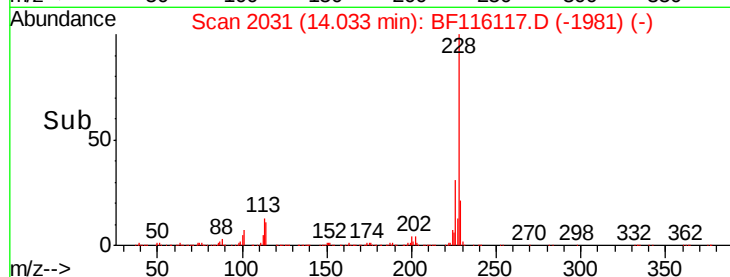
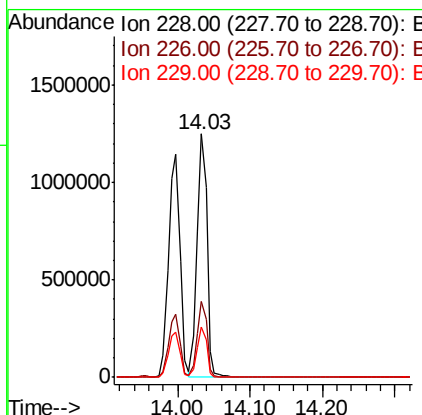
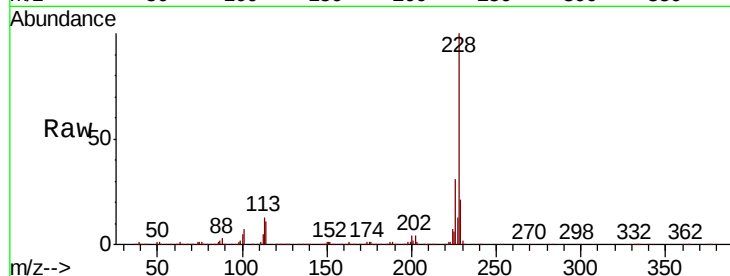




#83
 Chrvsene
 Concen: 42.951 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF116117.D
 Acq: 9 Aug 2019 17:28

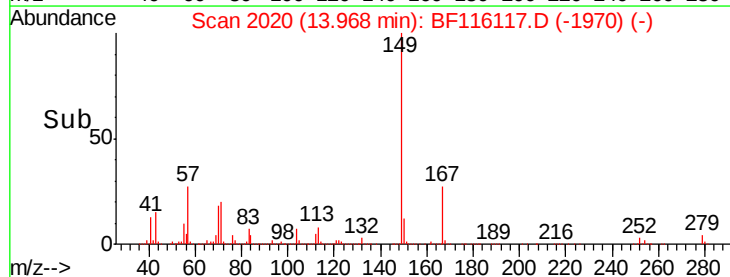
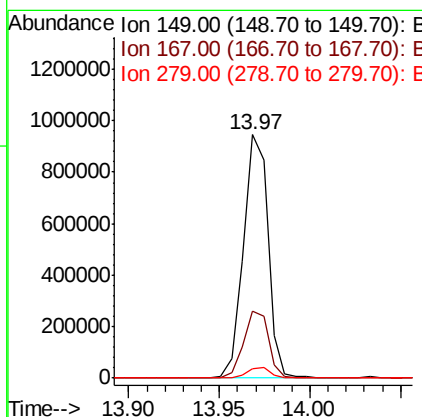
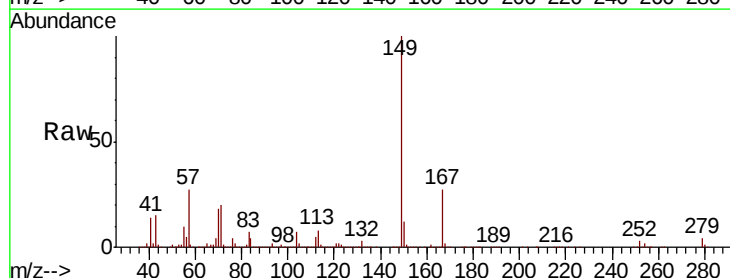
Instrument :
 BNA_F
 ClientSampleId :

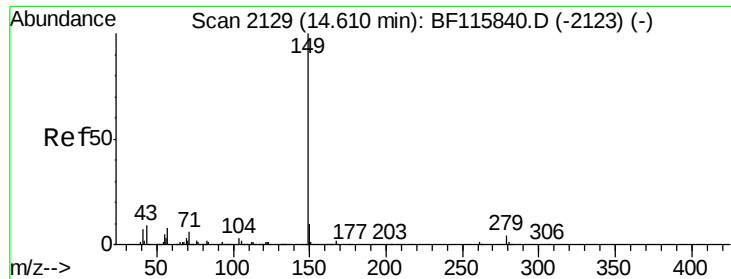
Tot Ion:228 Resp: 1196274
 Ion Ratio Lower Upper
 228 100
 226 31.3 25.5 38.3
 229 20.7 16.6 24.8



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 48.098 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF116117.D
 Acq: 9 Aug 2019 17:28

Tgt Ion:149 Resp: 894558
 Ion Ratio Lower Upper
 149 100
 167 27.4 21.6 32.4
 279 3.9 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 45.292 ng

RT: 14.58 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

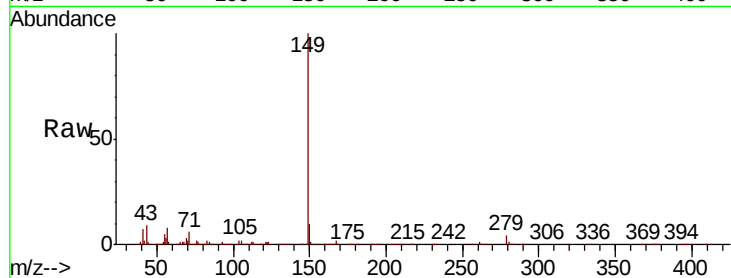
Instrument :

BNA_F

ClientSampleId :

Tot Ion:149 Resp: 1337987

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	9.3	7.5	11.3

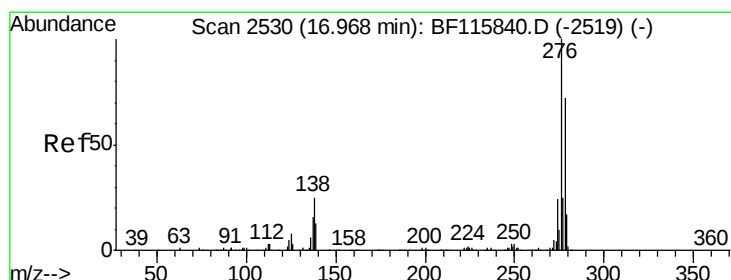
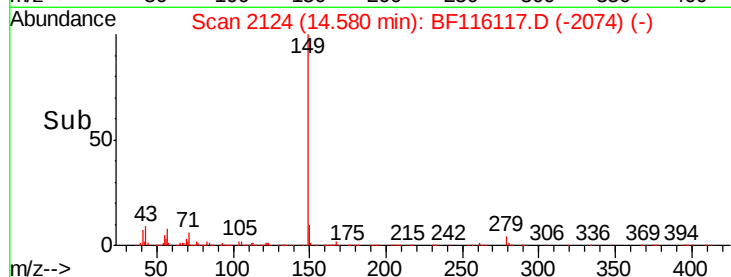
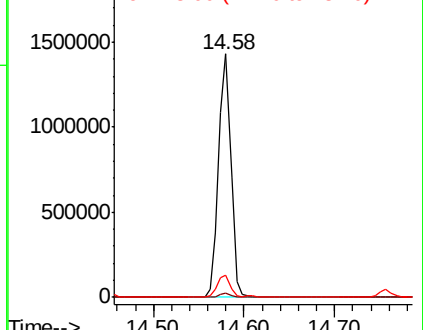


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 41.588 ng

RT: 16.95 min Scan# 2527

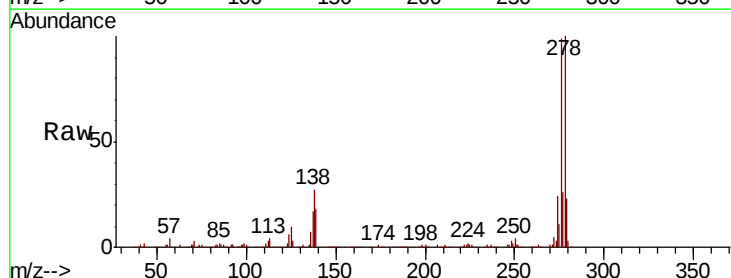
Delta R.T. -0.00 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

Tgt Ion:276 Resp: 972862

Ion	Ratio	Lower	Upper
276	100		
138	25.6	20.4	30.6
277	25.4	20.0	30.0

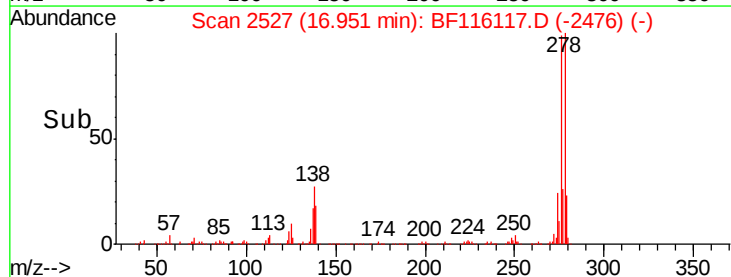
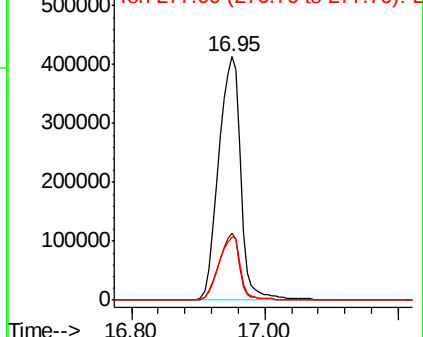


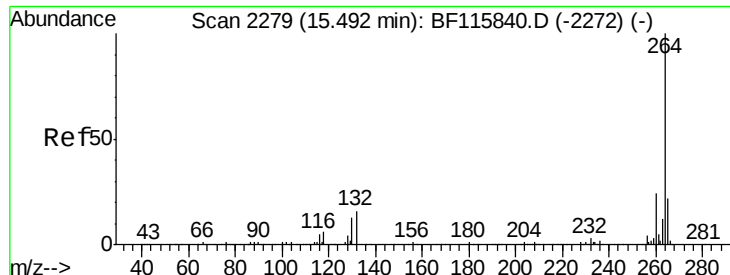
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

Instrument :

BNA_F

ClientSampleId :

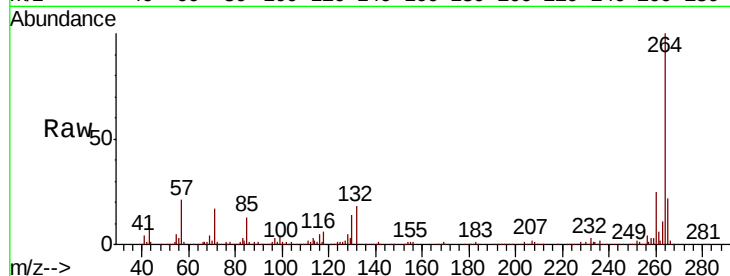
Tot Ion:264 Resp: 413308

Ion Ratio Lower Upper

264 100

260 24.7 19.7 29.5

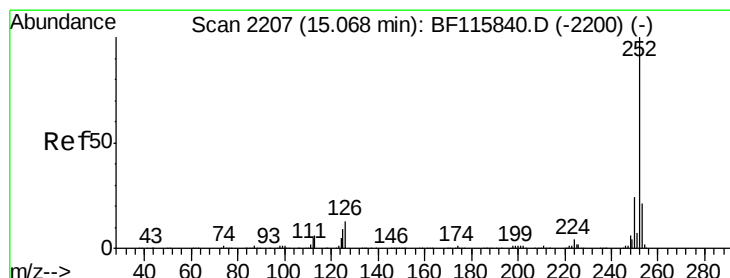
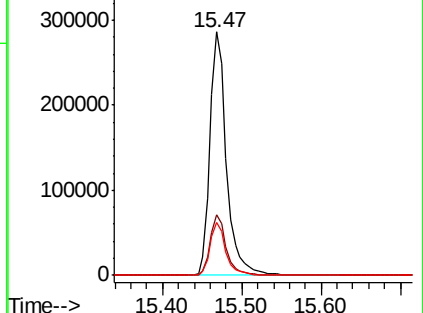
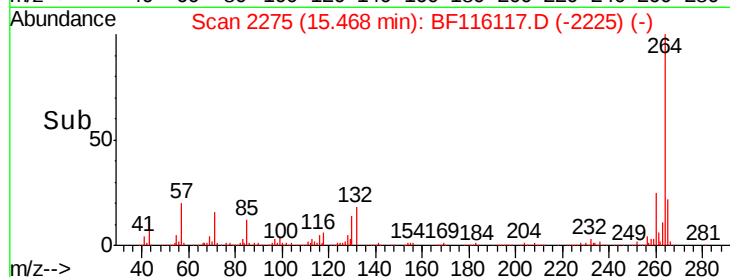
265 21.6 17.4 26.0



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 40.889 ng

RT: 15.04 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

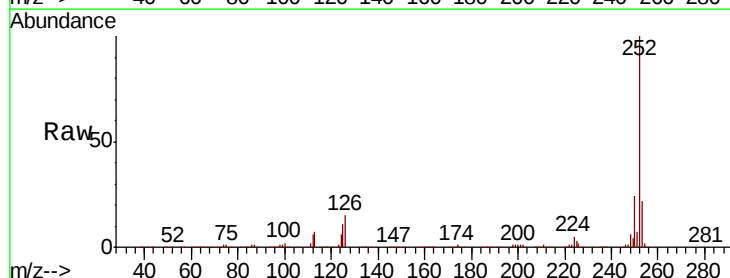
Tgt Ion:252 Resp: 977175

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

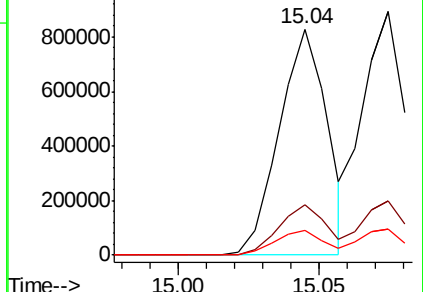
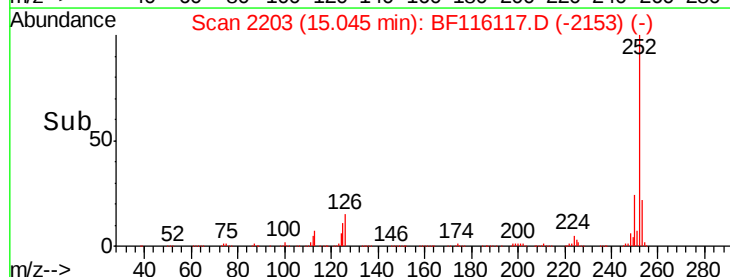
125 11.2 8.4 12.6



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

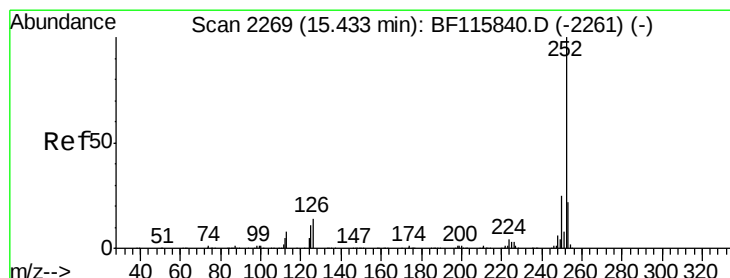
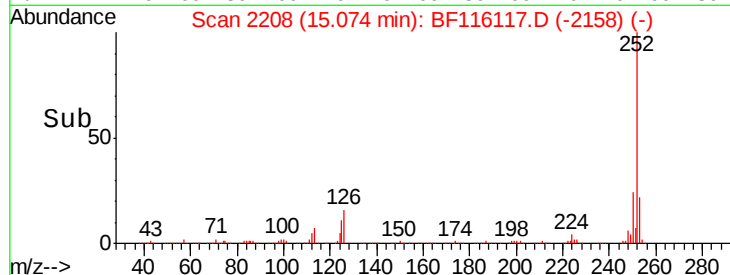
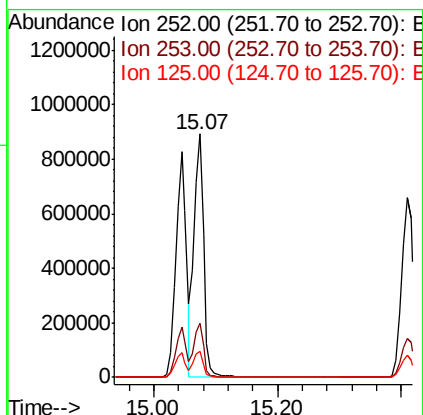
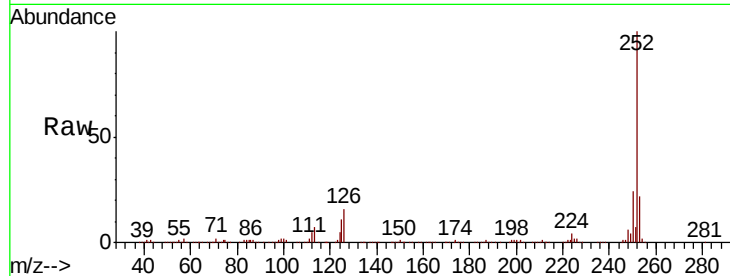




#89
Benzo(k)fluoranthene
Concen: 41.851 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF116117.D
Acq: 9 Aug 2019 17:28

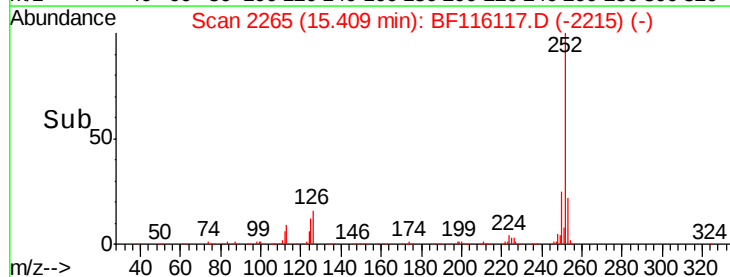
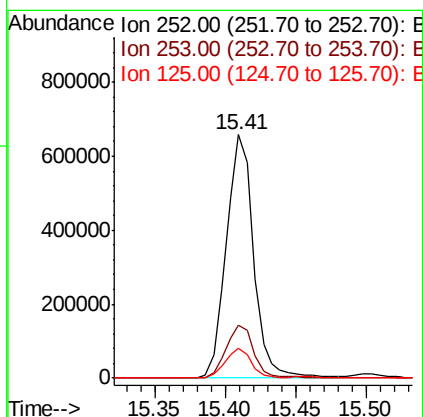
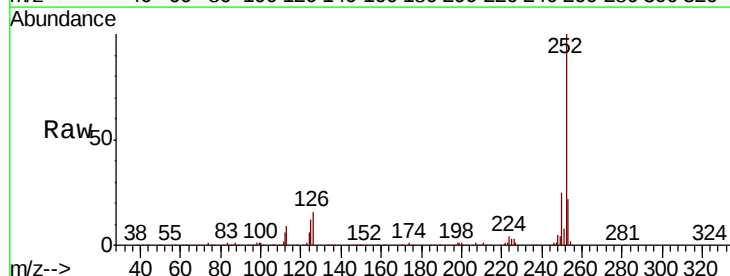
Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 974162
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 10.7 7.7 11.5



#90
Benzo(a)pyrene
Concen: 41.585 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF116117.D
Acq: 9 Aug 2019 17:28

Tgt Ion:252 Resp: 888372
Ion Ratio Lower Upper
252 100
253 22.0 18.0 27.0
125 12.1 8.9 13.3





#91

Dibenzo(a,h)anthracene

Concen: 43.310 ng

RT: 16.95 min Scan# 2527

Delta R.T. -0.01 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

Instrument :

BNA_F

ClientSampled :

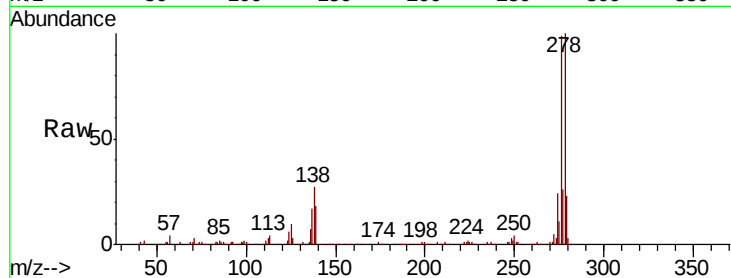
Tot Ion:278 Resp: 800894

Ion Ratio Lower Upper

278 100

139 17.9 12.8 19.2

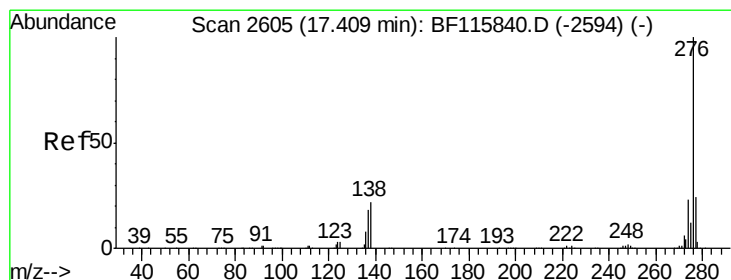
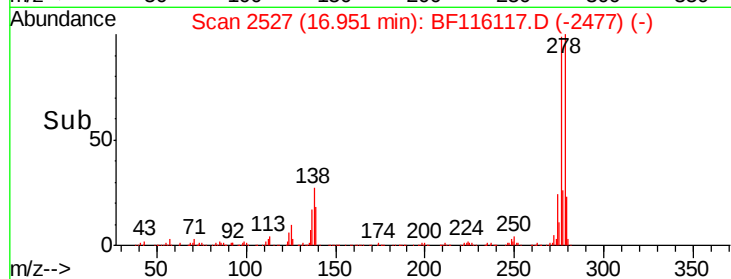
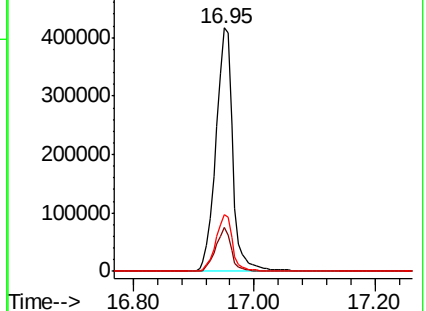
279 23.4 18.8 28.2



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: 44.980 ng

RT: 17.39 min Scan# 2601

Delta R.T. -0.00 min

Lab File: BF116117.D

Acq: 9 Aug 2019 17:28

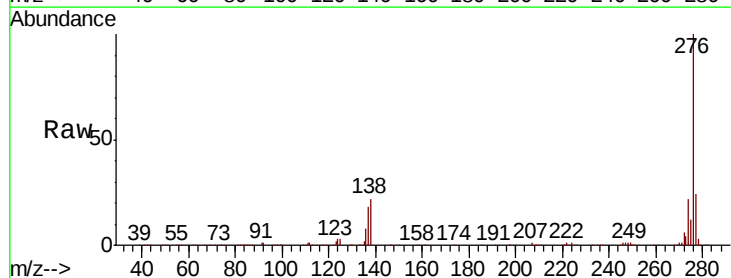
Tgt Ion:276 Resp: 816874

Ion Ratio Lower Upper

276 100

277 23.7 18.4 27.6

138 21.9 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

