

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082019\
 Data File : BF116424.D
 Acq On : 20 Aug 2019 10:23
 Operator : HP/JU
 Sample : PB122336BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB122336BS

Quant Time: Aug 20 15:08:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 06:03:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	120924	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	505286	20.00	ng	-0.01
39) Acenaphthene-d10	9.84	164	265995	20.00	ng	-0.01
64) Phenanthrene-d10	11.32	188	463648	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	327970	20.00	ng	-0.01
87) Perylene-d12	15.42	264	251151	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	819446	113.44	ng	0.00
7) Phenol-d6	6.46	99	980694	107.61	ng	0.00
23) Nitrobenzene-d5	7.37	82	646153	73.82	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	270039	104.71	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	1110942	78.23	ng	-0.01
79) Terphenyl-d14	12.90	244	1252939	80.50	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.63	88	134304	36.804	ng	98
3) Pyridine	3.40	79	299202	29.352	ng	99
4) n-Nitrosodimethylamine	3.33	42	141112	35.078	ng	100
6) Aniline	6.47	93	348847	26.728	ng	# 50
8) 2-Chlorophenol	6.60	128	340884	42.677	ng	96
9) Benzaldehyde	6.37	77	77549	12.332	ng	98
10) Phenol	6.47	94	423483	39.459	ng	95
11) bis(2-Chloroethyl)ether	6.54	93	323042	40.941	ng	96
12) 1,3-Dichlorobenzene	6.75	146	357171	38.691	ng	99
13) 1,4-Dichlorobenzene	6.82	146	368942	39.916	ng	99
14) 1,2-Dichlorobenzene	6.97	146	341280	40.100	ng	99
15) Benzyl Alcohol	6.96	79	273462	39.539	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.08	45	420194	39.042	ng	61
17) 2-Methylphenol	7.07	107	279360	41.304	ng	# 90
18) Hexachloroethane	7.31	117	133027	39.091	ng	98
19) n-Nitroso-di-n-propylamine	7.22	70	237926	42.130	ng	98
20) 3+4-Methylphenols	7.23	107	365344	45.647	ng	# 77
22) Acetophenone	7.22	105	471404	42.539	ng	# 93
24) Nitrobenzene	7.39	77	379295	40.129	ng	98
25) Isophorone	7.63	82	672113	40.154	ng	99
26) 2-Nitrophenol	7.71	139	185451	41.624	ng	95
27) 2,4-Dimethylphenol	7.75	122	299610	44.697	ng	97
28) bis(2-Chloroethoxy)methane	7.83	93	410899	39.606	ng	99
29) 2,4-Dichlorophenol	7.96	162	290858	41.096	ng	99
30) 1,2,4-Trichlorobenzene	8.03	180	311473	38.607	ng	99
31) Naphthalene	8.10	128	972683	40.907	ng	99
32) Benzoic acid	7.91	122	163759	34.651	ng	98
33) 4-Chloroaniline	8.16	127	280737	26.425	ng	98
34) Hexachlorobutadiene	8.22	225	176585	38.000	ng	98
35) Caprolactam	8.54	113	47147	20.596	ng	94
36) 4-Chloro-3-methylphenol	8.66	107	301516	40.950	ng	98
37) 2-Methylnaphthalene	8.80	142	642295	41.016	ng	99
38) 1-Methylnaphthalene	8.89	142	599393	40.459	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.97	216	293276	41.242	ng	99

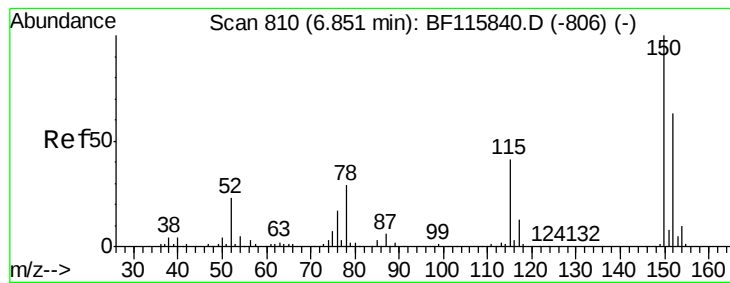
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082019\
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 QLast Update : Mon Aug 19 06:03:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.95	237	115466	39.414	ng	98
43) 2,4,6-Trichlorophenol	9.09	196	180588	36.895	ng	99
44) 2,4,5-Trichlorophenol	9.14	196	186463	36.853	ng	96
46) 1,1'-Biphenyl	9.26	154	780311	41.552	ng	99
47) 2-Chloronaphthalene	9.29	162	615789	39.398	ng	100
48) 2-Nitroaniline	9.39	65	191980	37.161	ng	97
49) Acenaphthylene	9.70	152	921364	40.406	ng	98
50) Dimethylphthalate	9.56	163	711672	39.294	ng	100
51) 2,6-Dinitrotoluene	9.63	165	159790	40.598	ng #	82
52) Acenaphthene	9.87	154	558940	39.956	ng	99
53) 3-Nitroaniline	9.80	138	127961	26.312	ng	99
54) 2,4-Dinitrophenol	9.93	184	113428	58.941	ng	98
55) Dibenzofuran	10.05	168	789526	38.810	ng	99
56) 4-Nitrophenol	9.99	139	173859	55.806	ng	92
57) 2,4-Dinitrotoluene	10.05	165	194524	37.121	ng #	91
58) Fluorene	10.39	166	652032	41.659	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.17	232	168328	39.544	ng	98
60) Diethylphthalate	10.26	149	692953	40.981	ng	99
61) 4-Chlorophenyl-phenylether	10.37	204	328728	41.470	ng	99
62) 4-Nitroaniline	10.42	138	152508	30.344	ng	99
63) Azobenzene	10.53	77	714203	41.065	ng	99
65) 4,6-Dinitro-2-methylphenol	10.46	198	98470	40.077	ng	98
66) n-Nitrosodiphenylamine	10.50	169	578580	41.459	ng	99
67) 4-Bromophenyl-phenylether	10.86	248	199617	40.218	ng	99
68) Hexachlorobenzene	10.94	284	223224	38.894	ng	98
69) Atrazine	11.02	200	171167	37.283	ng	99
70) Pentachlorophenol	11.15	266	159131	57.109	ng	98
71) Phenanthrene	11.35	178	955551	40.314	ng	100
72) Anthracene	11.40	178	973039	40.563	ng	100
73) Carbazole	11.56	167	876841	40.290	ng	100
74) Di-n-butylphthalate	11.87	149	1113067	43.843	ng	99
75) Fluoranthene	12.54	202	1007453	40.600	ng	98
77) Benzidine	12.66	184	211382	19.077	ng	97
78) Pyrene	12.77	202	1012152	40.940	ng	99
80) Butylbenzylphthalate	13.37	149	468034	44.754	ng	97
81) Benzo(a)anthracene	13.96	228	835224	39.843	ng	99
82) 3,3'-Dichlorobenzidine	13.91	252	258632	35.513	ng	99
83) Chrysene	13.99	228	818351	40.211	ng	99
84) Bis(2-ethylhexyl)phthalate	13.93	149	654551	48.164	ng #	97
85) Di-n-octyl phthalate	14.53	149	1039681	48.165	ng	99
86) Indeno(1,2,3-cd)pyrene	16.89	276	715454	41.856	ng	99
88) Benzo(b)fluoranthene	15.00	252	752913	51.847	ng	100
89) Benzo(k)fluoranthene	15.00	252	752913	53.230	ng	99
90) Benzo(a)pyrene	15.36	252	678616	52.276	ng	99
91) Dibenzo(a,h)anthracene	16.88	278	614362	54.674	ng	98
92) Benzo(g,h,i)perylene	17.32	276	607003	55.004	ng	100

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

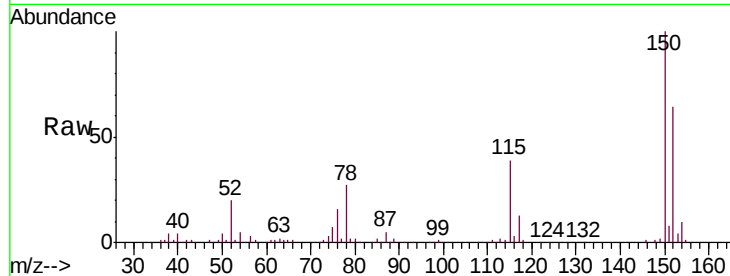


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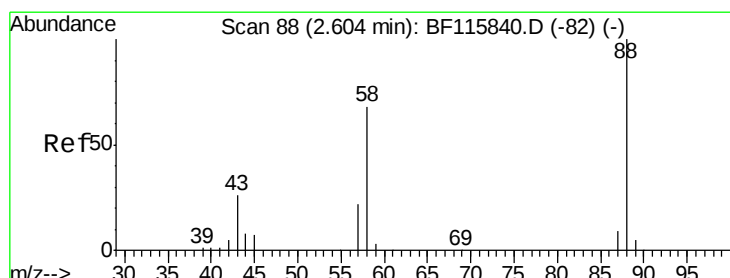
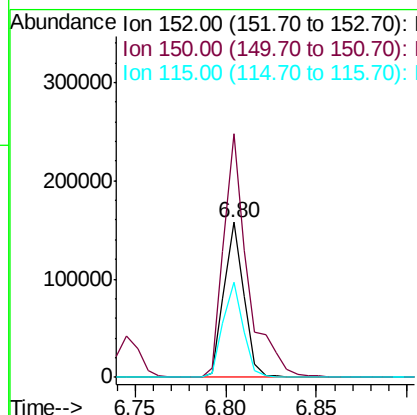
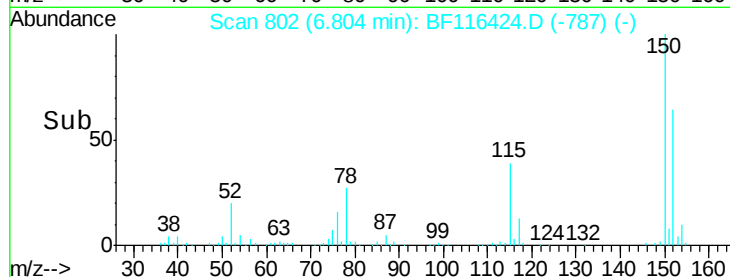
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF116424.D
Acq: 20 Aug 2019 10:23

Instrument :
BNA_F
ClientSampleId :
PB122336BS

Tgt Ion: 152 Resp: 120924
Ion Ratio Lower Upper
152 100
150 157.2 126.2 189.2
115 61.1 49.9 74.9



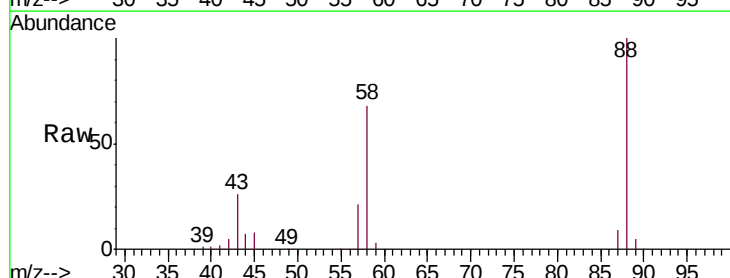
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



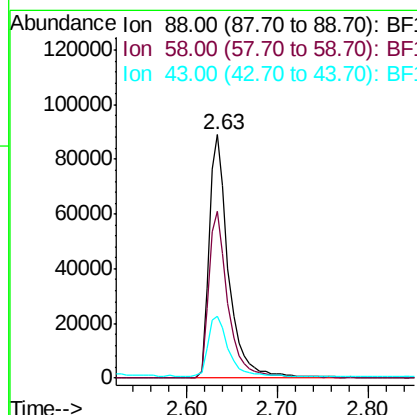
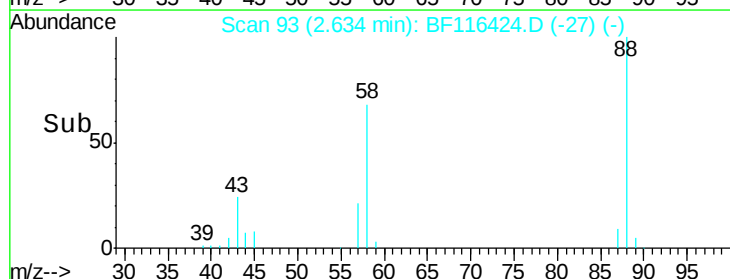
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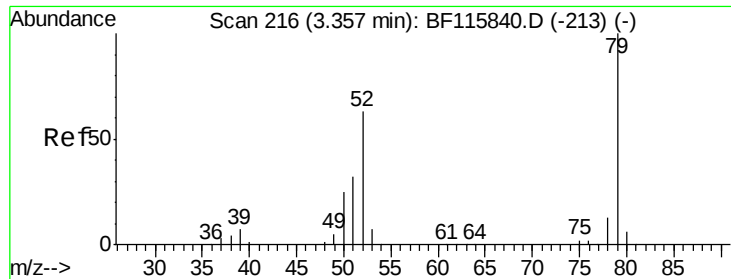
1,4-Dioxane
Concen: 36.804 ng
RT: 2.63 min Scan# 93
Delta R.T. 0.09 min
Lab File: BF116424.D
Acq: 20 Aug 2019 10:23

Tgt Ion: 88 Resp: 134304
Ion Ratio Lower Upper
88 100
58 68.7 53.7 80.5
43 25.9 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

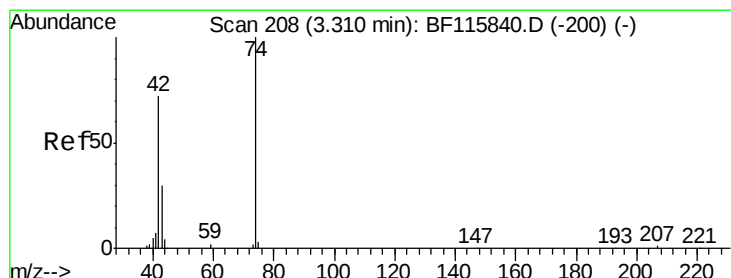
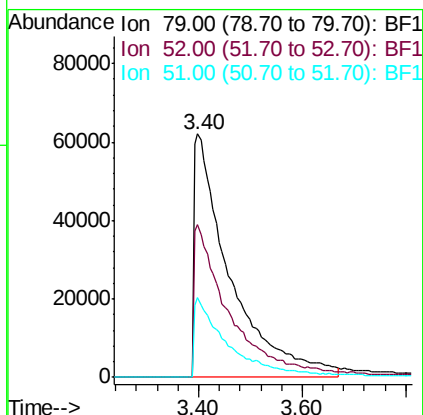
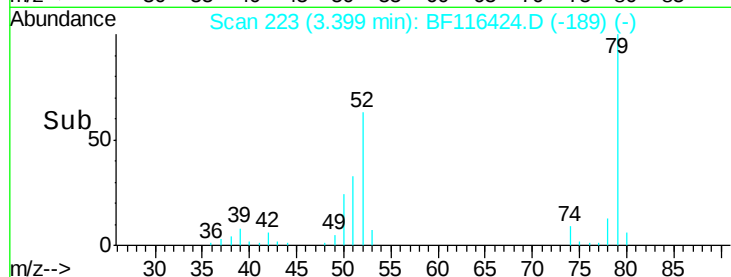
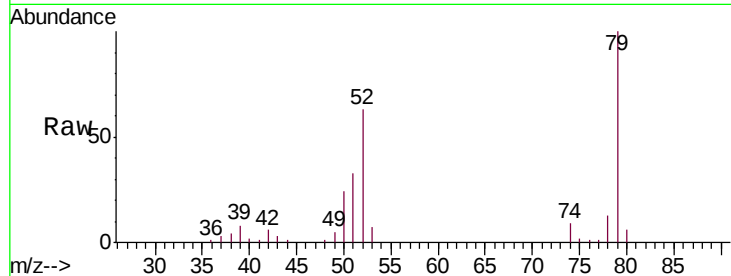




#3
 Pyridine
 Concen: 29.352 ng
 RT: 3.40 min Scan# 223
 Delta R.T. 0.10 min
 Lab File: BF116424.D
 Acq: 20 Aug 2019 10:23

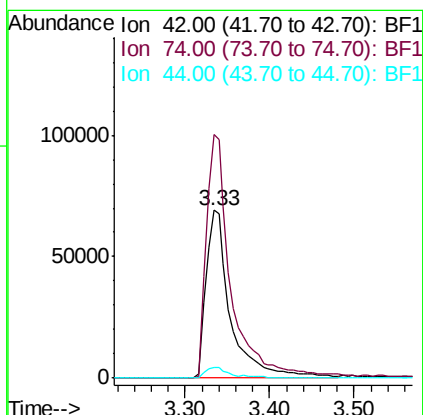
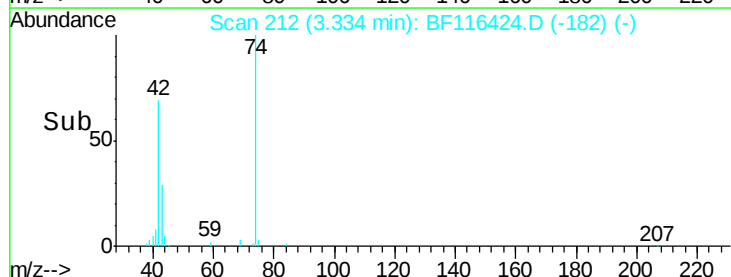
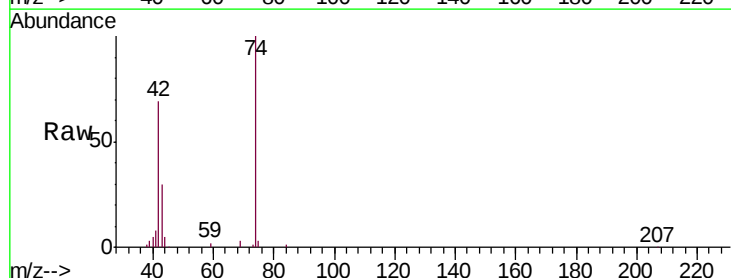
Instrument :
 BNA_F
 ClientSampleId :
 PB122336BS

Tgt Ion: 79 Resp: 299202
 Ion Ratio Lower Upper
 79 100
 52 62.8 49.8 74.8
 51 32.6 25.2 37.8



#4
 n-Nitrosodimethylamine
 Concen: 35.078 ng
 RT: 3.33 min Scan# 212
 Delta R.T. 0.08 min
 Lab File: BF116424.D
 Acq: 20 Aug 2019 10:23

Tgt Ion: 42 Resp: 141112
 Ion Ratio Lower Upper
 42 100
 74 145.2 116.0 174.0
 44 6.7 4.6 7.0

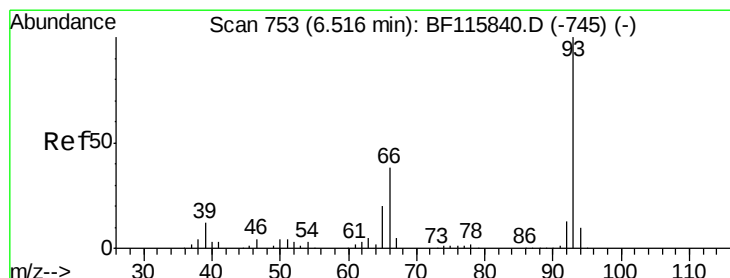
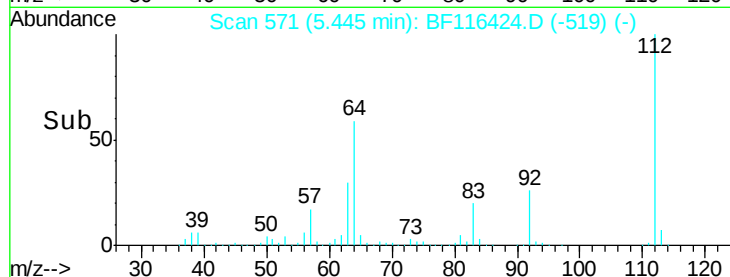
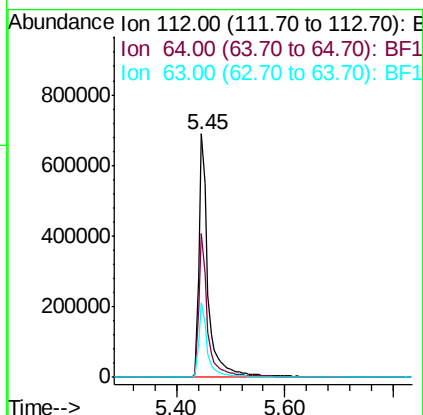
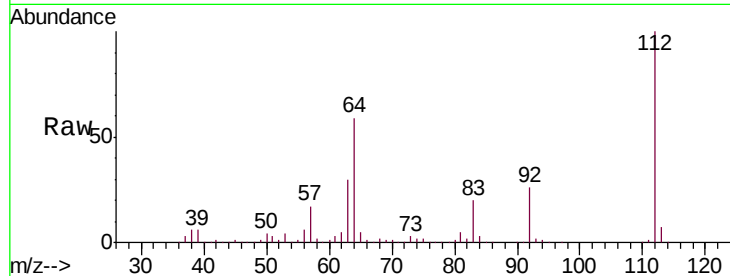




#5
 2-Fluorophenol
 Concen: 113.443 ng
 RT: 5.45 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: BF116424.D
 Acq: 20 Aug 2019 10:23

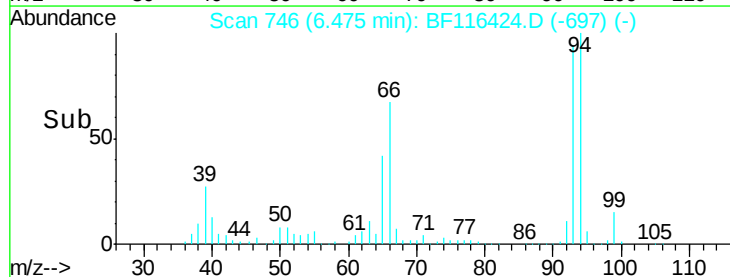
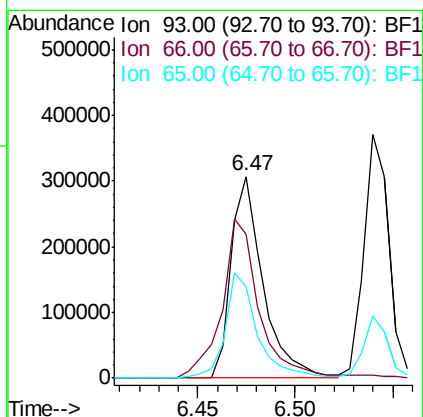
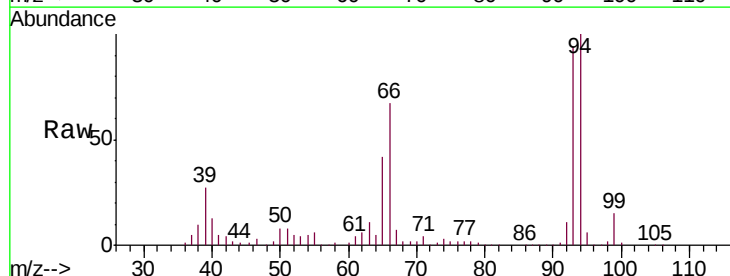
Instrument :
 BNA_F
 ClientSampleId :
 PB122336BS

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	45.4	68.2
63	30.5	23.7	35.5



#6
 Aniline
 Concen: 26.728 ng
 RT: 6.47 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: BF116424.D
 Acq: 20 Aug 2019 10:23

Tgt Ion	Ratio	Lower	Upper
93	100		
66	71.5	32.2	48.4#
65	45.0	17.0	25.6#





#7

Phenol-d6

Concen: 107.608 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

Instrument :

BNA_F

ClientSampleId :

PB122336BS

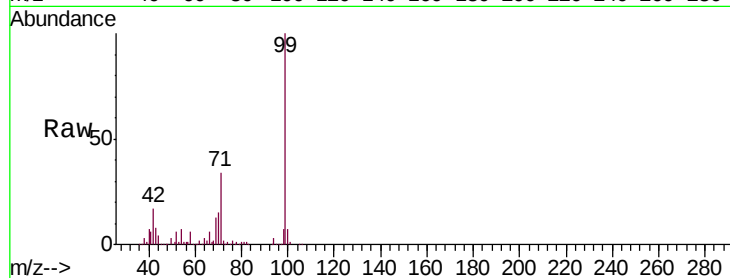
Tgt Ion: 99 Resp: 980694

Ion Ratio Lower Upper

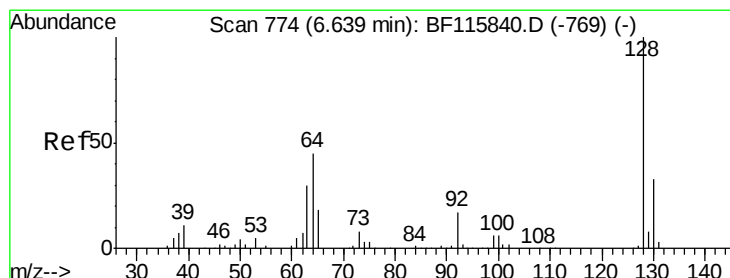
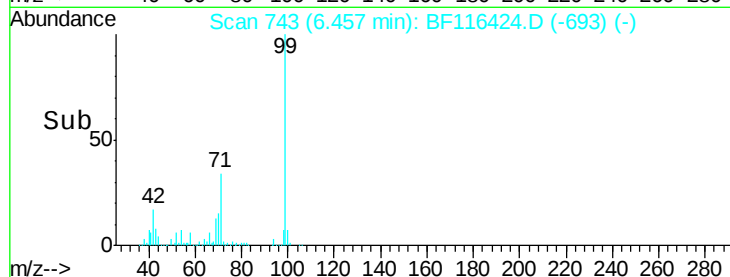
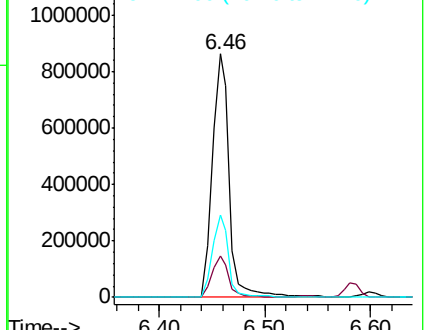
99 100

42 16.9 13.8 20.8

71 33.9 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: 42.677 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

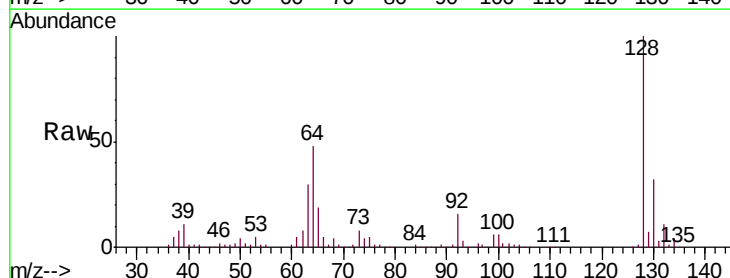
Tgt Ion: 128 Resp: 340884

Ion Ratio Lower Upper

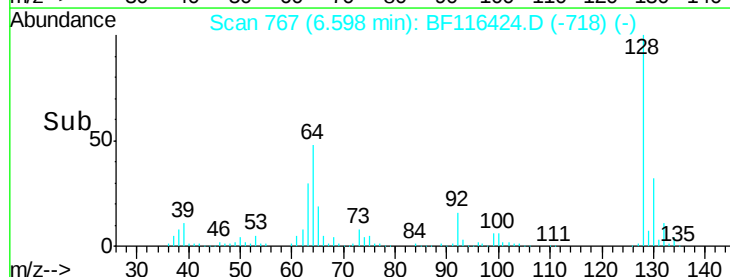
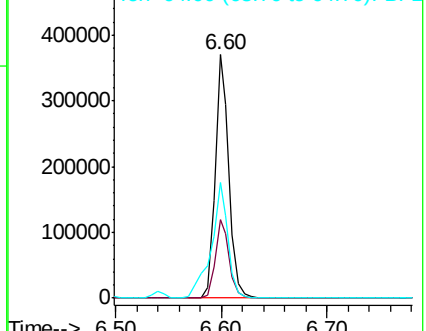
128 100

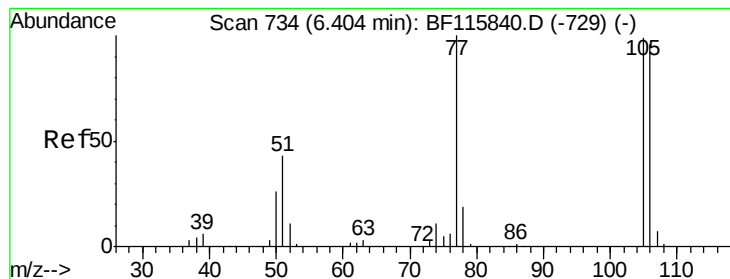
130 32.1 12.9 52.9

64 47.6 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: 12.332 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

Instrument :

BNA_F

ClientSampleId :

PB122336BS

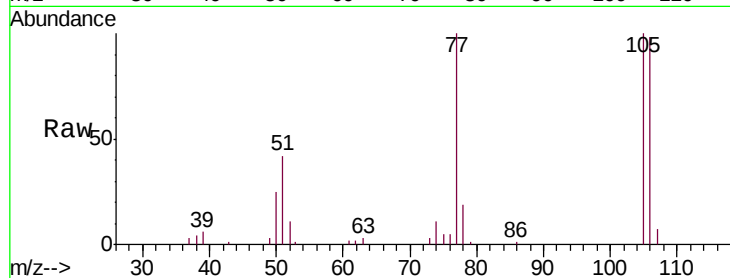
Tgt Ion: 77 Resp: 77549

Ion Ratio Lower Upper

77 100

105 100.3 79.2 119.2

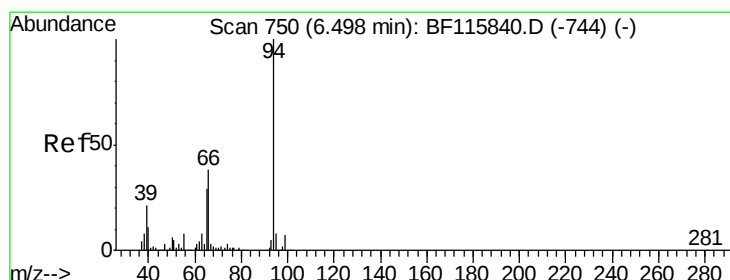
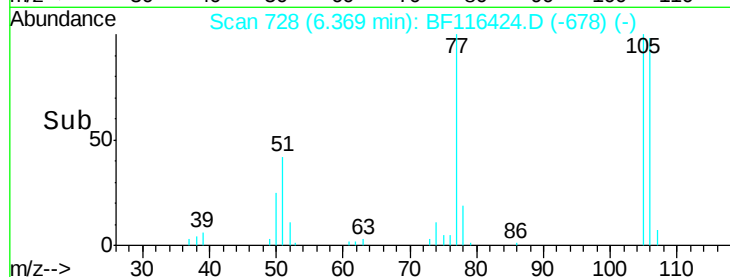
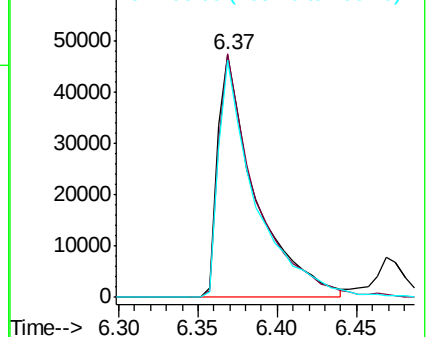
106 97.8 74.3 114.3



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 39.459 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

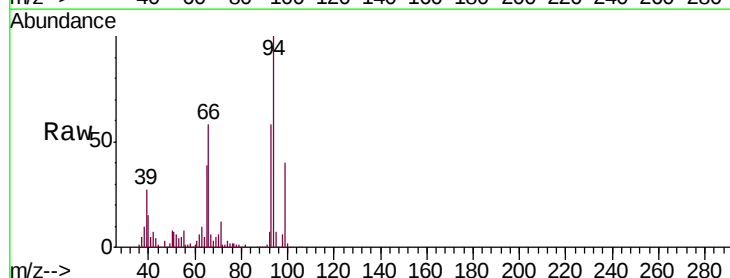
Tgt Ion: 94 Resp: 423483

Ion Ratio Lower Upper

94 100

65 38.6 16.8 56.8

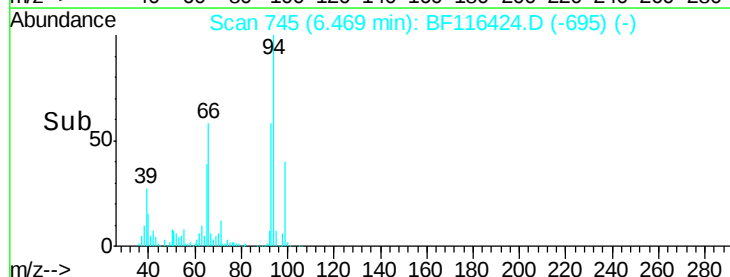
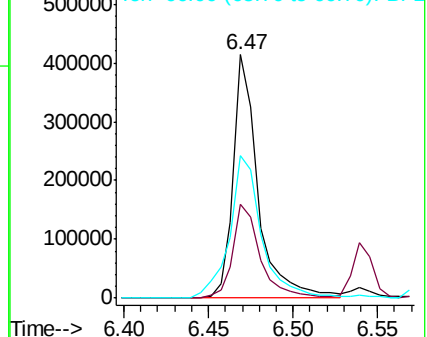
66 58.4 34.2 74.2

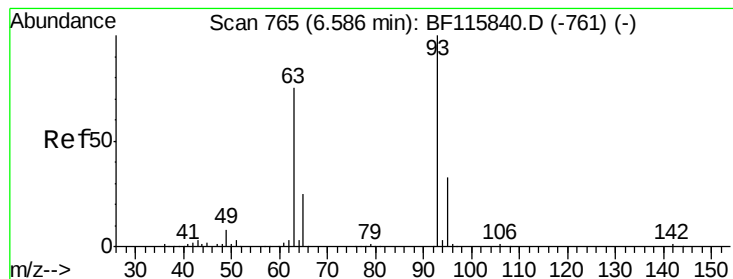


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 40.941 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

Instrument :

BNA_F

ClientSampleId :

PB122336BS

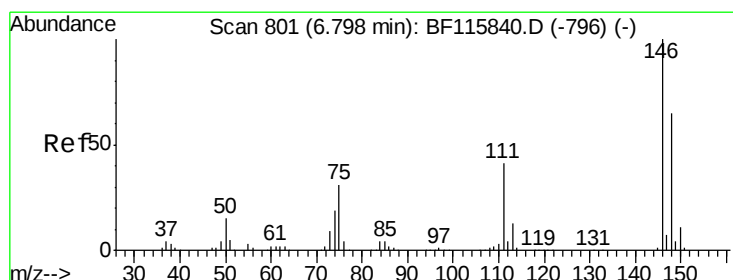
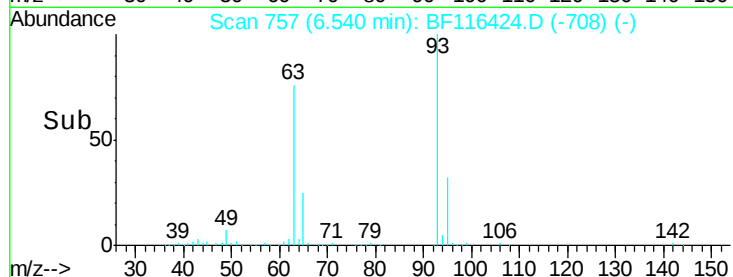
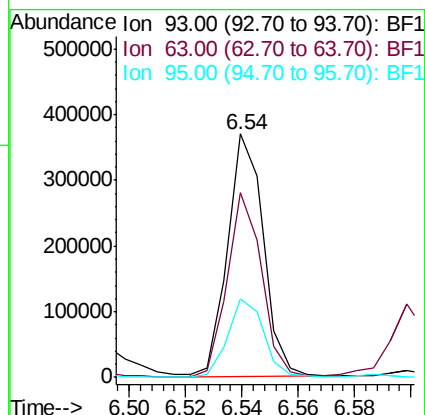
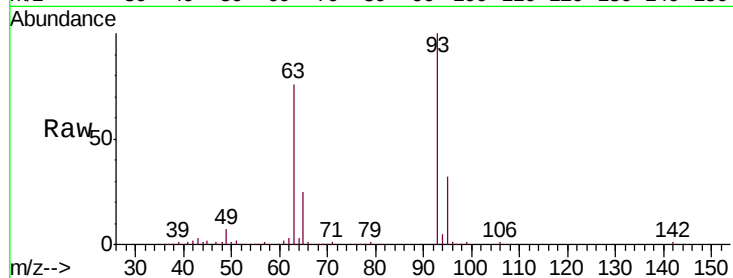
Tgt Ion: 93 Resp: 323042

Ion Ratio Lower Upper

93 100

63 76.1 51.9 91.9

95 32.3 13.0 53.0



#12

1,3-Dichlorobenzene

Concen: 38.691 ng

RT: 6.75 min Scan# 792

Delta R.T. -0.01 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

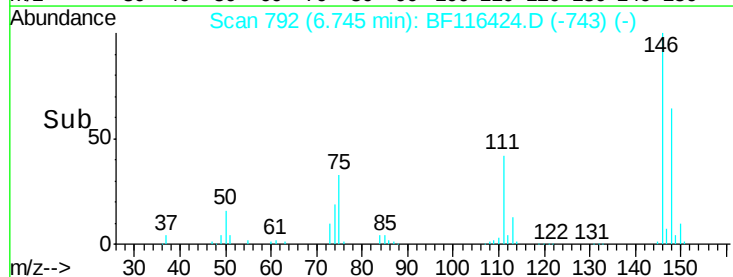
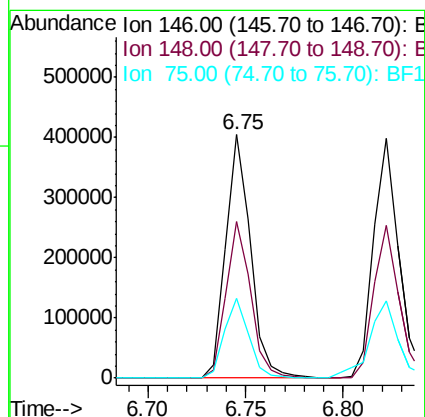
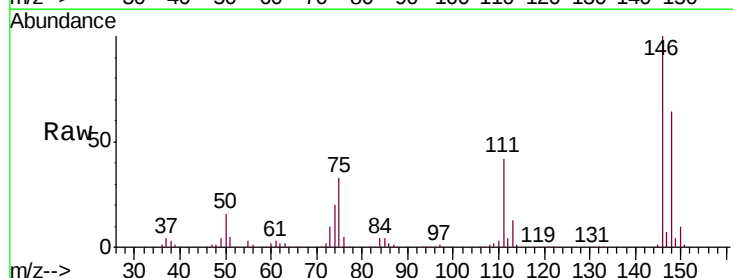
Tgt Ion: 146 Resp: 357171

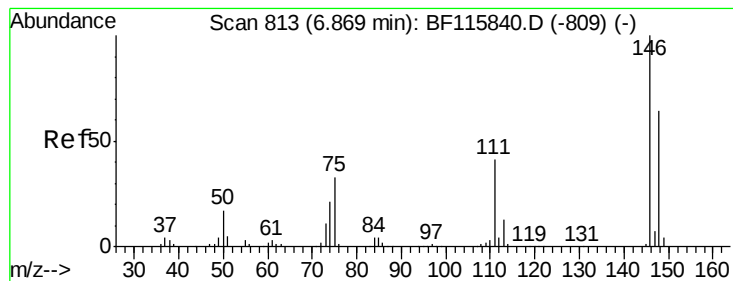
Ion Ratio Lower Upper

146 100

148 64.1 51.3 76.9

75 32.8 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 39.916 ng

RT: 6.82 min Scan# 805

Delta R.T. -0.01 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

Instrument :

BNA_F

ClientSampleId :

PB122336BS

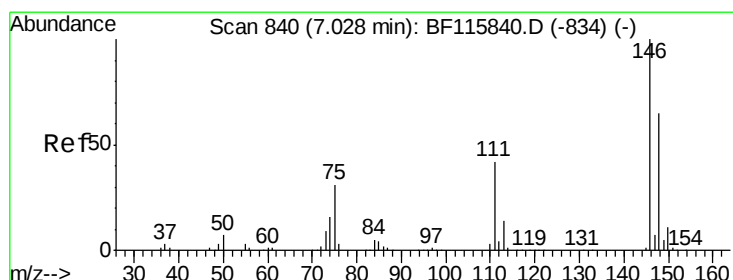
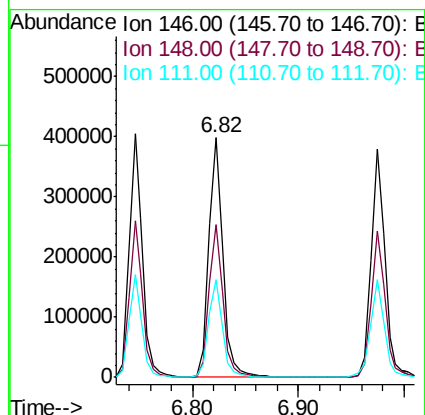
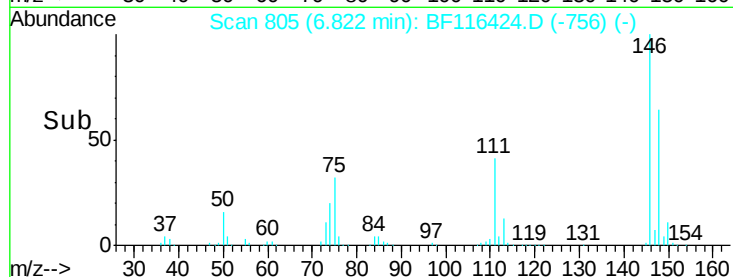
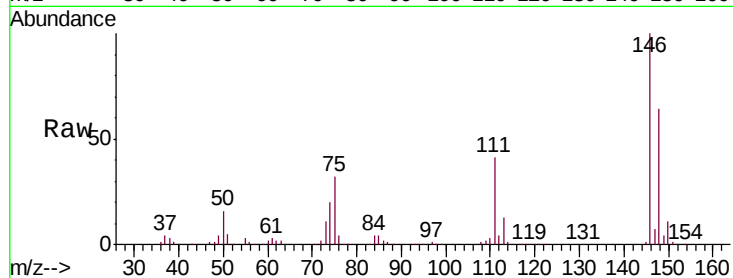
Tgt Ion:146 Resp: 368942

Ion Ratio Lower Upper

146 100

148 63.9 51.3 76.9

111 40.6 34.0 51.0



#14

1,2-Dichlorobenzene

Concen: 40.100 ng

RT: 6.97 min Scan# 831

Delta R.T. -0.01 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

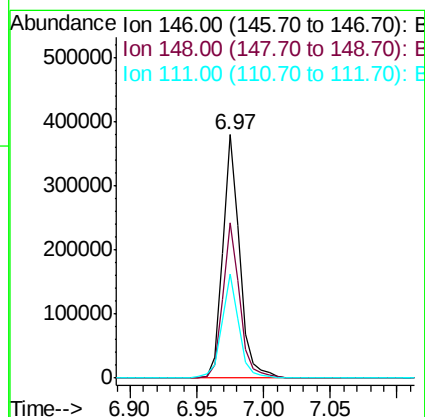
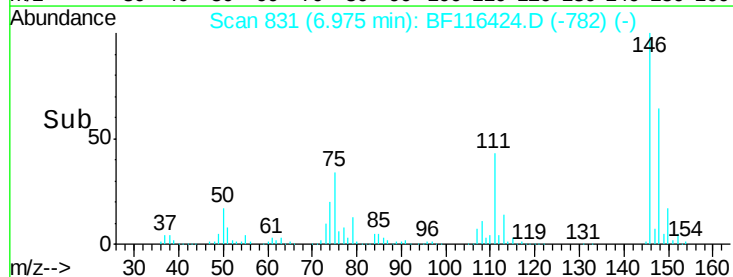
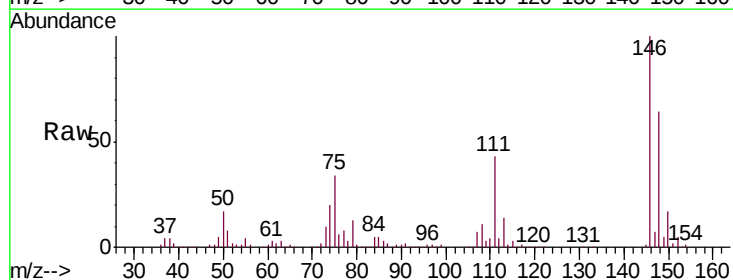
Tgt Ion:146 Resp: 341280

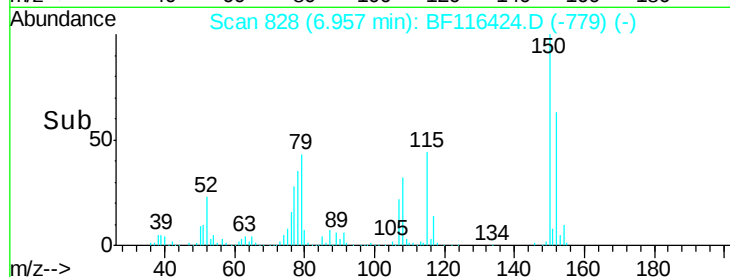
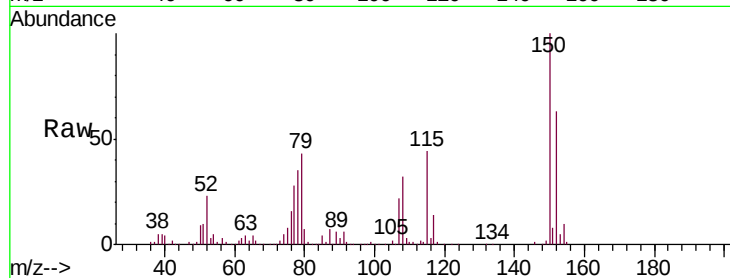
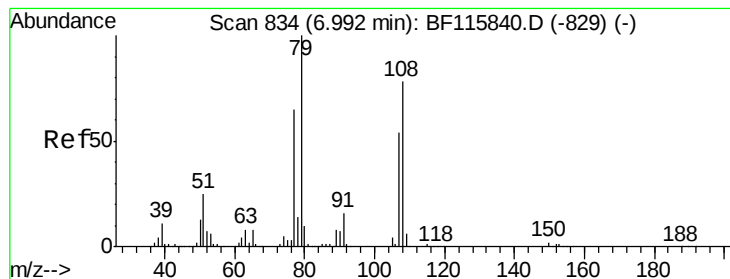
Ion Ratio Lower Upper

146 100

148 64.0 51.2 76.8

111 43.0 33.5 50.3





#15

Benzyl Alcohol

Concen: 39.539 ng

RT: 6.96 min Scan# 828

Delta R.T. -0.01 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

Instrument :

BNA_F

ClientSampleId :

PB122336BS

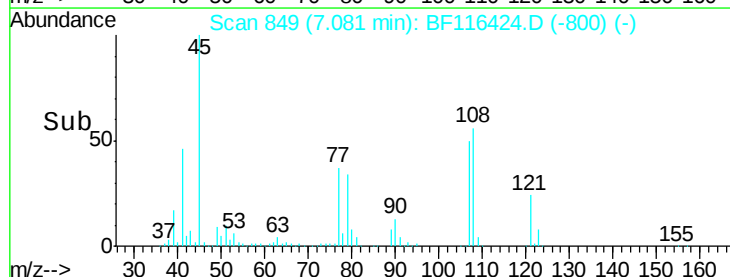
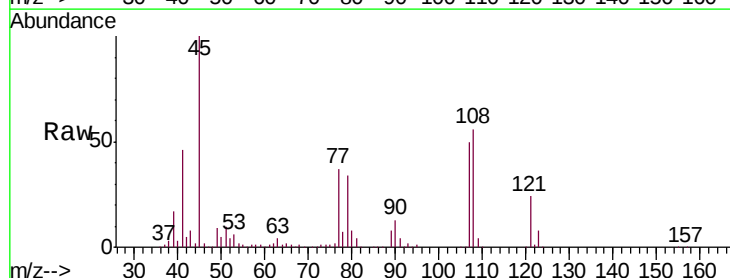
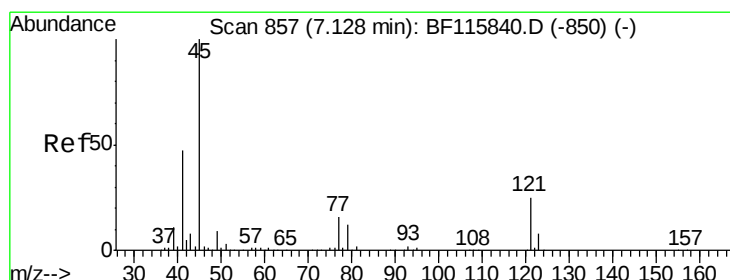
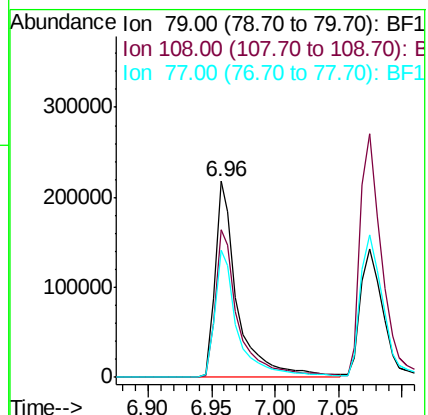
Tgt Ion: 79 Resp: 273462

Ion Ratio Lower Upper

79 100

108 75.5 62.7 94.1

77 65.0 52.2 78.2



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.042 ng

RT: 7.08 min Scan# 849

Delta R.T. -0.01 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

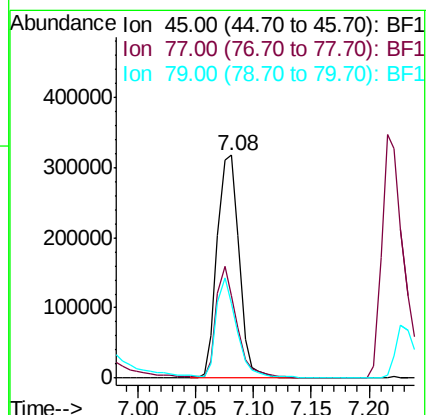
Tgt Ion: 45 Resp: 420194

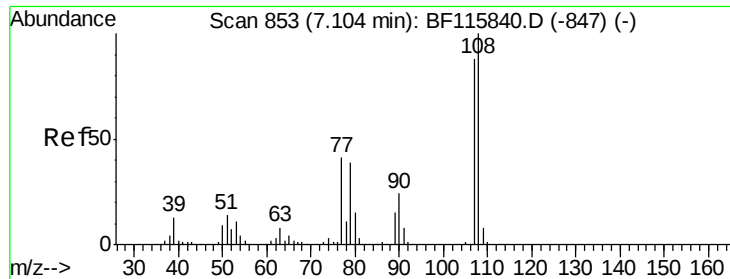
Ion Ratio Lower Upper

45 100

77 37.1 0.0 40.0

79 33.6 0.0 35.9

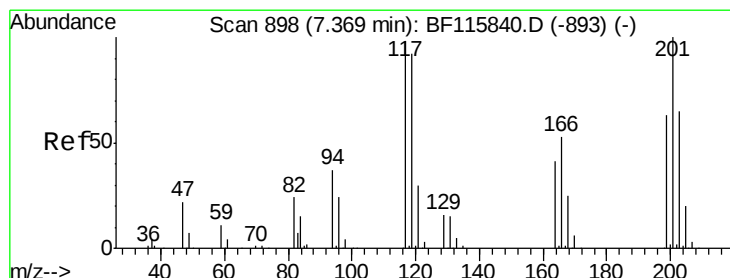
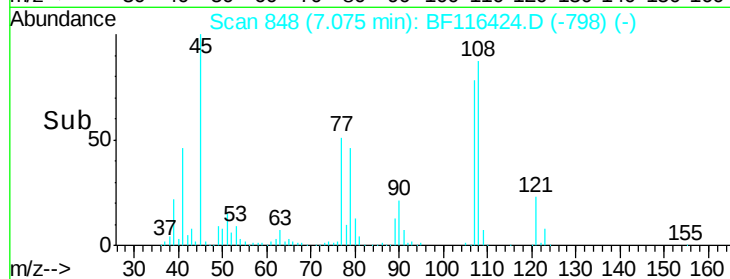
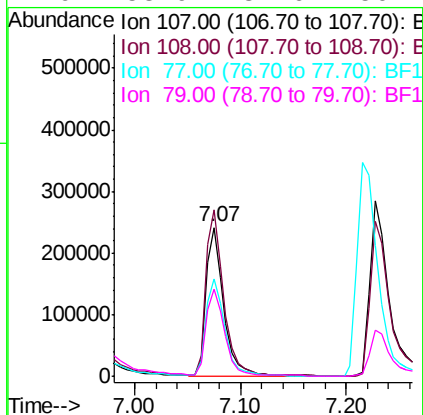
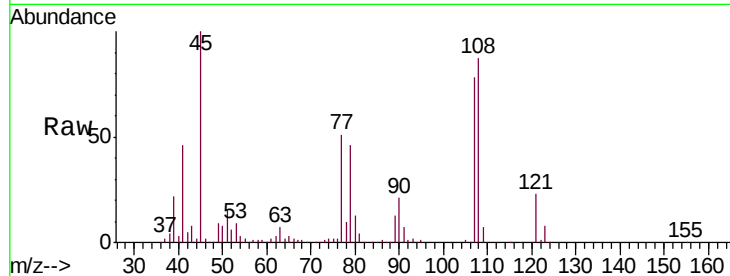




#17
2-Methylphenol
Concen: 41.304 ng
RT: 7.07 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF116424.D
Acq: 20 Aug 2019 10:23

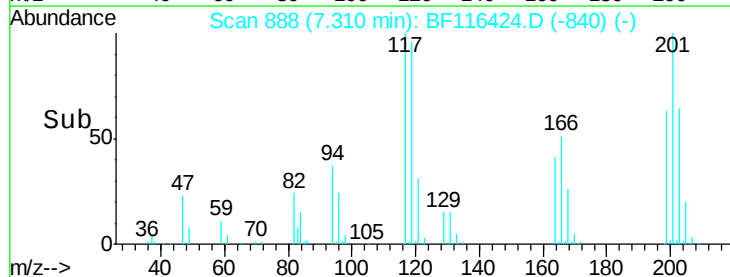
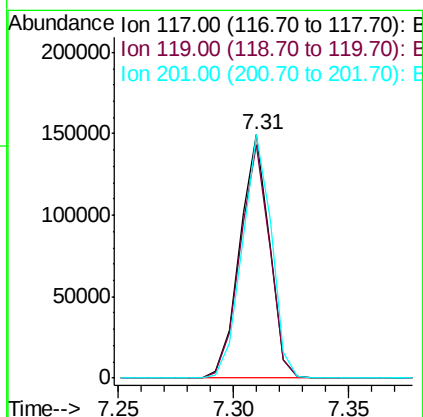
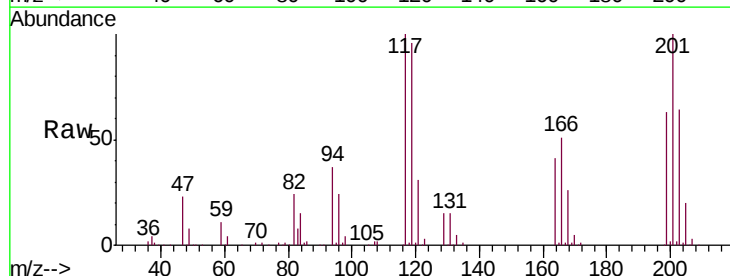
Instrument :
BNA_F
ClientSampleId :
PB122336BS

Tgt Ion:107 Resp: 279360
Ion Ratio Lower Upper
107 100
108 112.1 91.2 136.8
77 65.6 40.3 60.5#
79 58.9 37.6 56.4#



#18
Hexachloroethane
Concen: 39.091 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.02 min
Lab File: BF116424.D
Acq: 20 Aug 2019 10:23

Tgt Ion:117 Resp: 133027
Ion Ratio Lower Upper
117 100
119 96.0 76.1 114.1
201 100.2 77.0 115.4

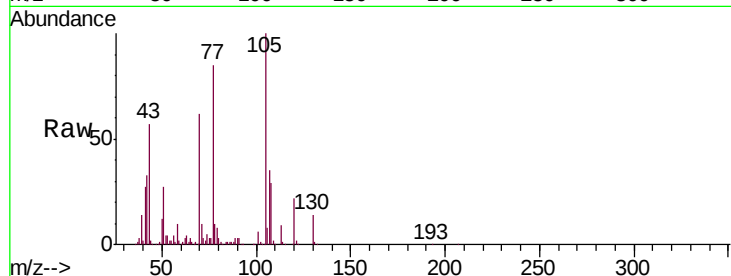




#19
n-Nitroso-di-n-propylamine
Concen: 42.130 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.01 min
Lab File: BF116424.D
Acq: 20 Aug 2019 10:23

Instrument :
BNA_F
ClientSampleId :
PB122336BS

Tgt Ion	Resp	Lower	Upper
70	237926		
42	52.8	40.9	61.3
101	9.9	7.9	11.9
130	22.0	16.9	25.3



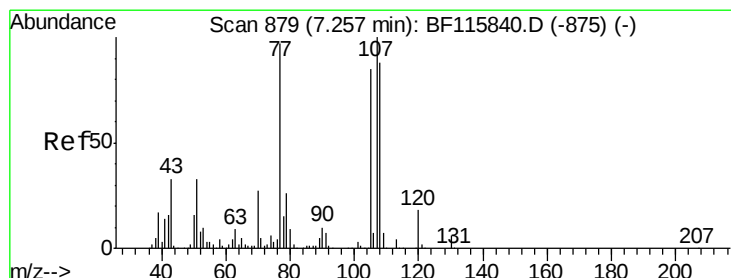
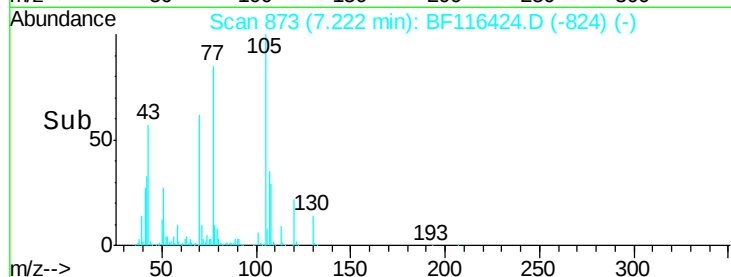
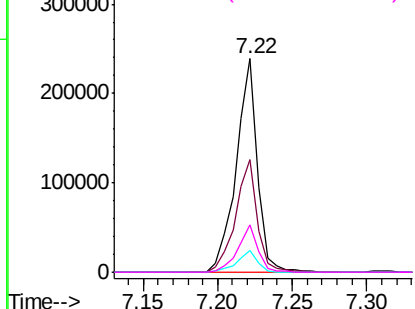
Abundance

Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

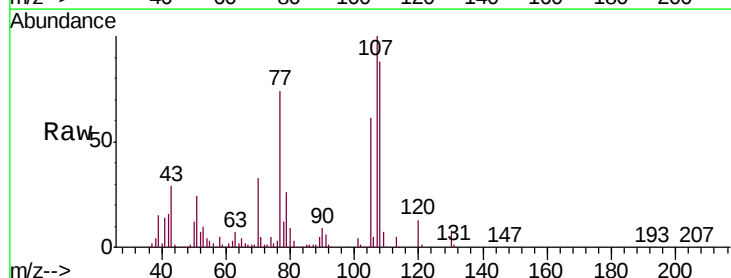
Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#20
3+4-Methylphenols
Concen: 45.647 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF116424.D
Acq: 20 Aug 2019 10:23

Tgt Ion	Resp	Lower	Upper
107	365344		
108	88.0	67.6	107.6
77	74.3	104.4	144.4#
79	26.3	7.4	47.4



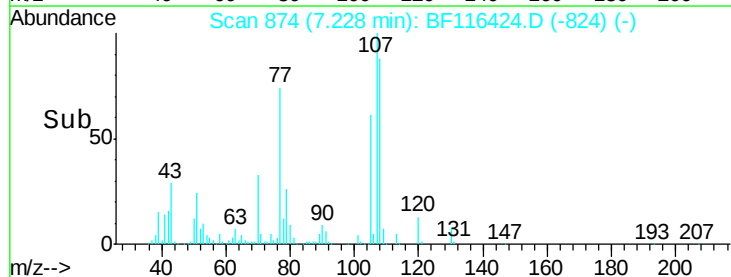
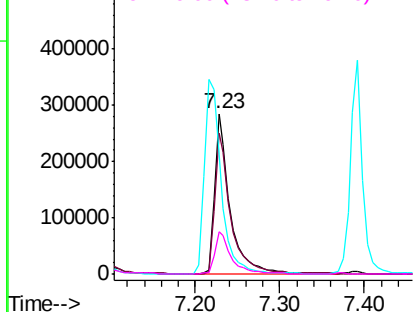
Abundance

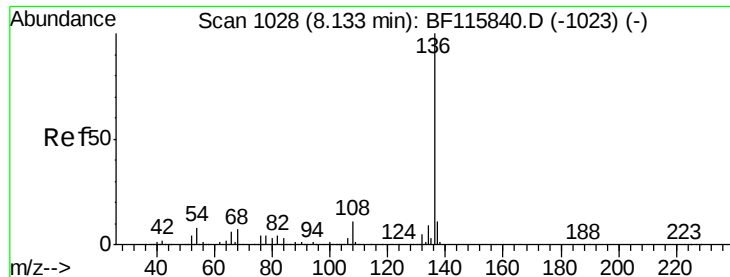
Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

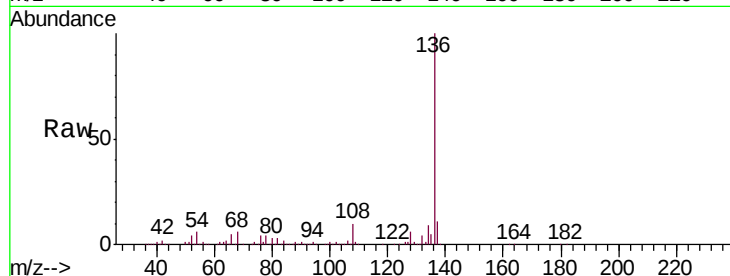




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF116424.D
Acq: 20 Aug 2019 10:23

Instrument :
BNA_F
ClientSampleId :
PB122336BS

Tgt Ion:	136	Resp:	505286
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.4
54	6.4	5.8	8.6
68	5.7	5.2	7.8



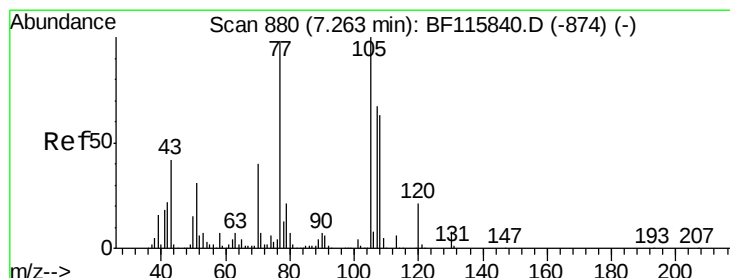
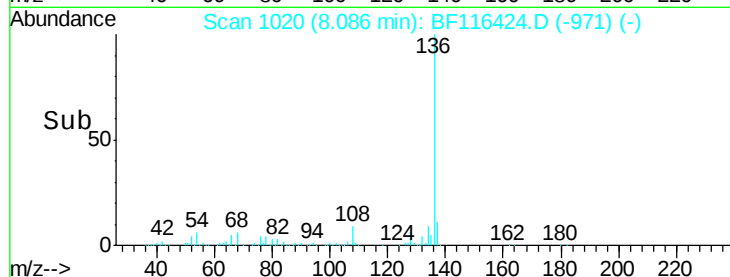
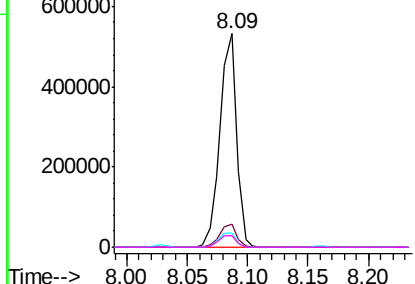
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

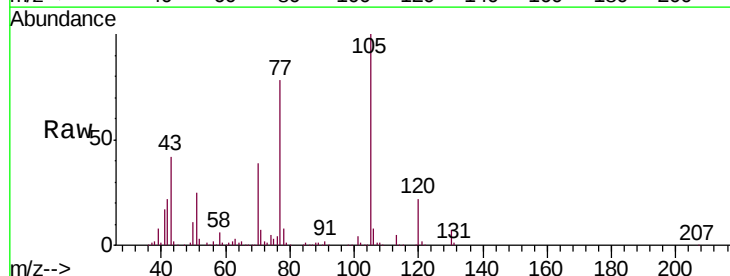
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 42.539 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.02 min
Lab File: BF116424.D
Acq: 20 Aug 2019 10:23

Tgt Ion:	105	Resp:	471404
Ion	Ratio	Lower	Upper
105	100		
71	6.8	5.9	8.9
51	24.6	25.3	37.9#
120	22.2	17.9	26.9



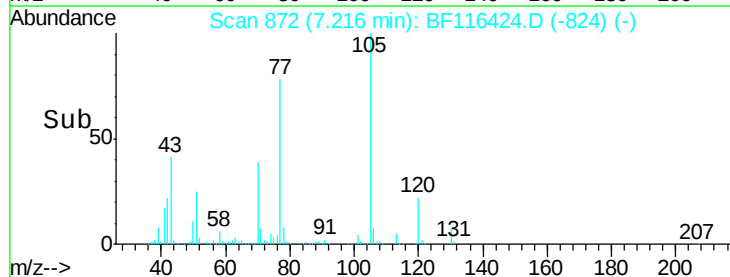
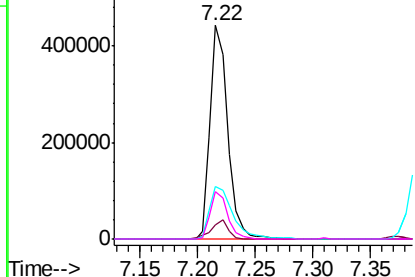
Abundance

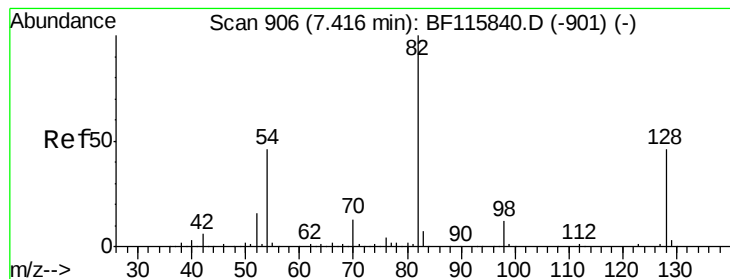
Ion 105.00 (104.70 to 105.70): E

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: 73.816 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

Instrument :

BNA_F

ClientSampleId :

PB122336BS

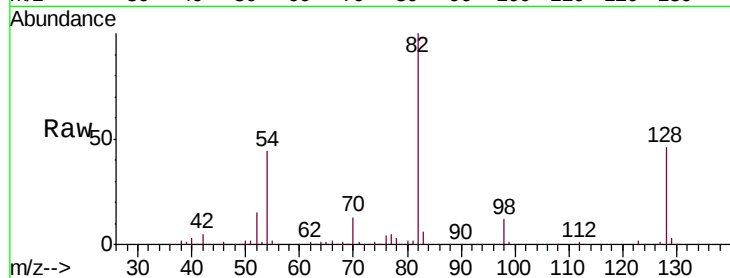
Tgt Ion: 82 Resp: 646153

Ion Ratio Lower Upper

82 100

128 45.7 36.5 54.7

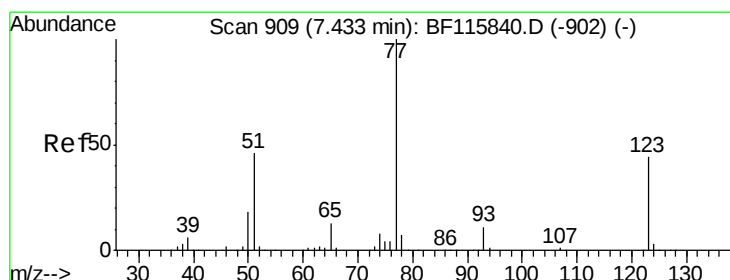
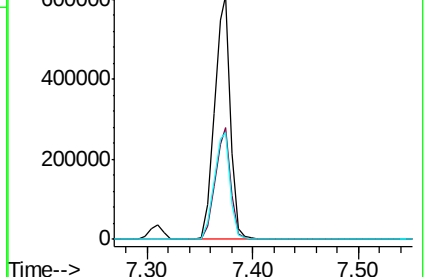
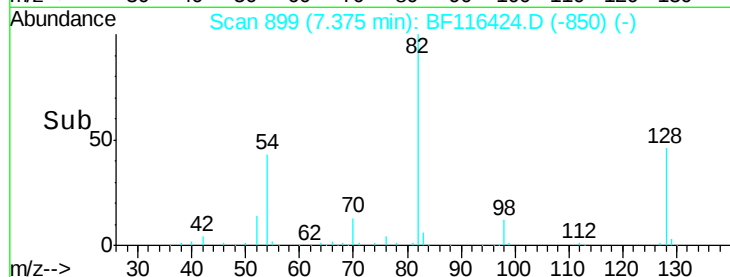
54 44.0 36.0 54.0



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#24

Nitrobenzene

Concen: 40.129 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

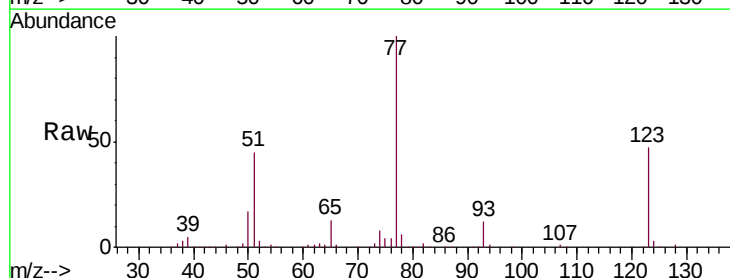
Tgt Ion: 77 Resp: 379295

Ion Ratio Lower Upper

77 100

123 47.2 36.7 55.1

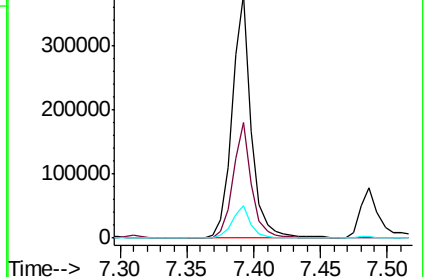
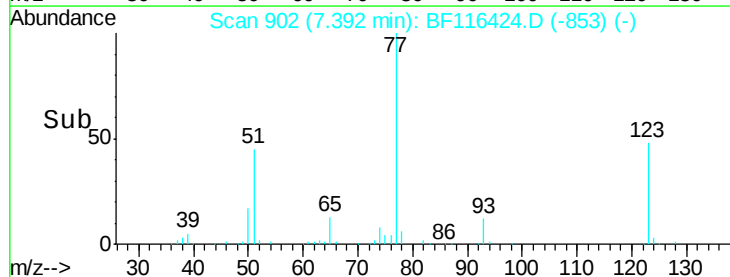
65 13.1 10.6 16.0



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 40.154 ng

RT: 7.63 min Scan# 942

Delta R.T. -0.01 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

Instrument :

BNA_F

ClientSampleId :

PB122336BS

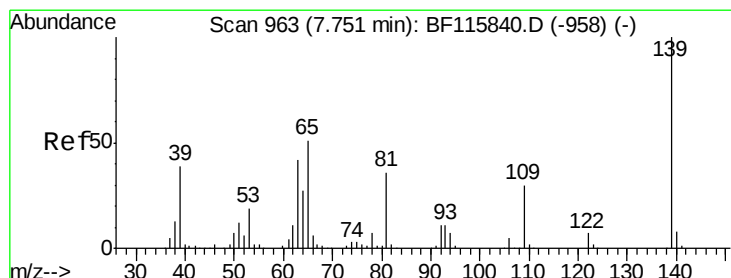
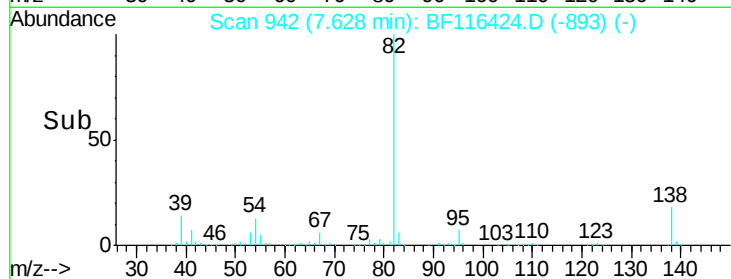
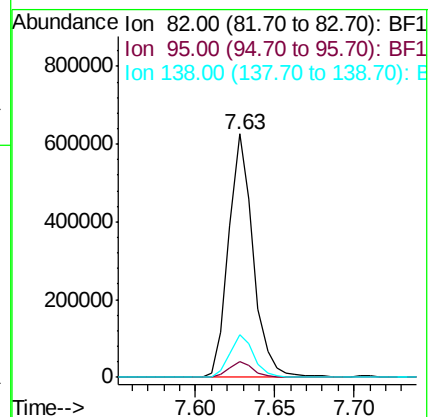
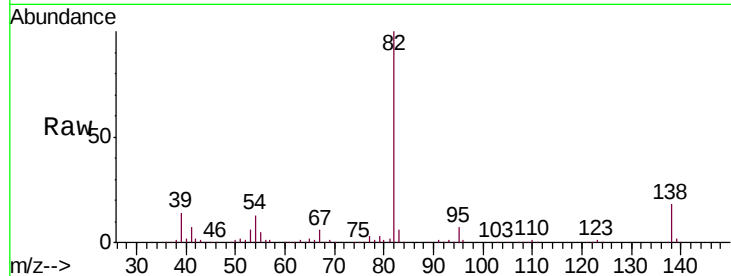
Tgt Ion: 82 Resp: 672113

Ion Ratio Lower Upper

82 100

95 6.6 5.4 8.0

138 17.6 14.5 21.7



#26

2-Nitrophenol

Concen: 41.624 ng

RT: 7.71 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

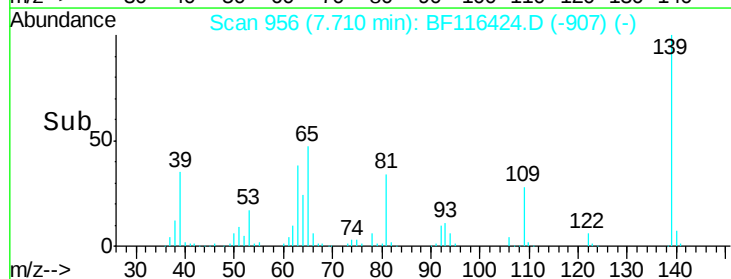
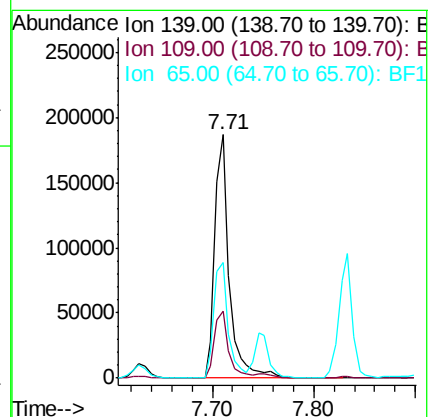
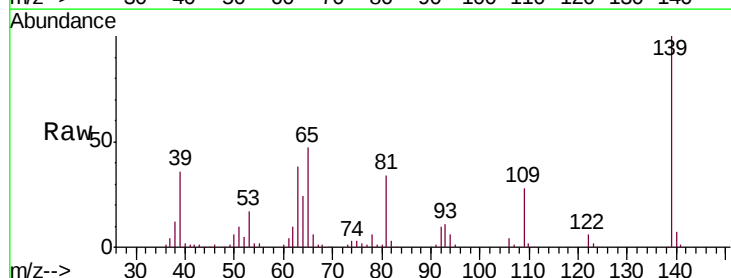
Tgt Ion: 139 Resp: 185451

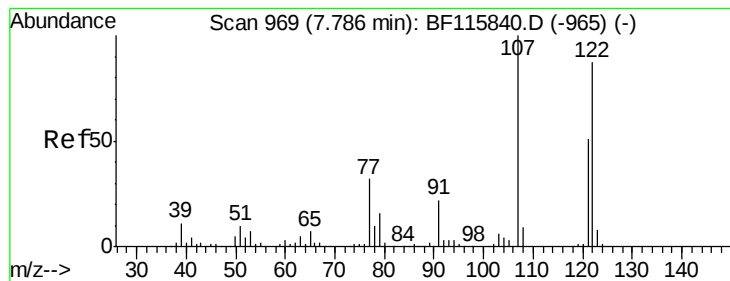
Ion Ratio Lower Upper

139 100

109 27.6 23.4 35.2

65 47.4 41.1 61.7





#27

2,4-Dimethylphenol

Concen: 44.697 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

Instrument :

BNA_F

ClientSampleId :

PB122336BS

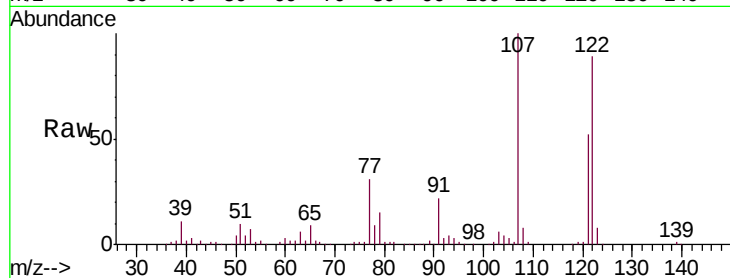
Tgt Ion:122 Resp: 299610

Ion Ratio Lower Upper

122 100

107 112.9 93.0 139.6

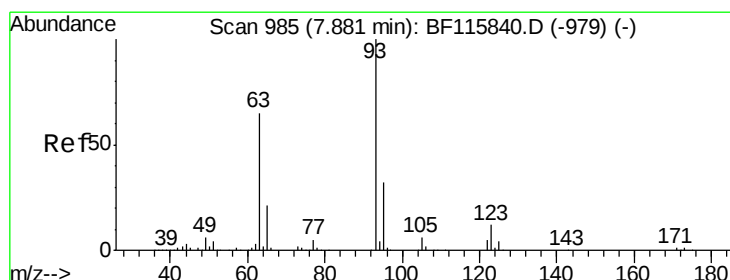
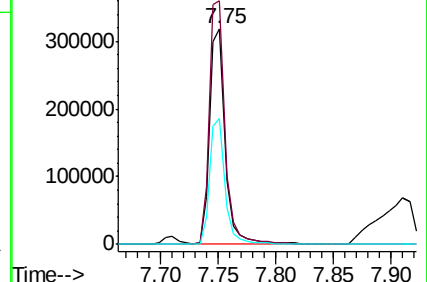
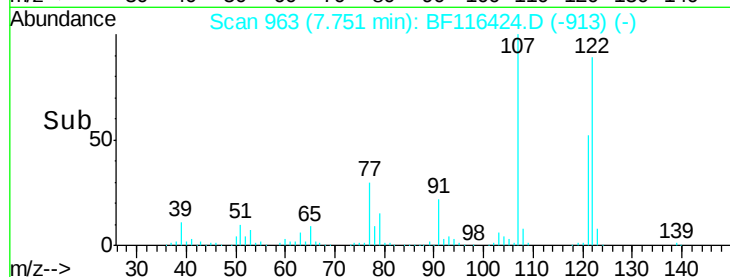
121 58.3 47.6 71.4



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: 39.606 ng

RT: 7.83 min Scan# 977

Delta R.T. -0.01 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

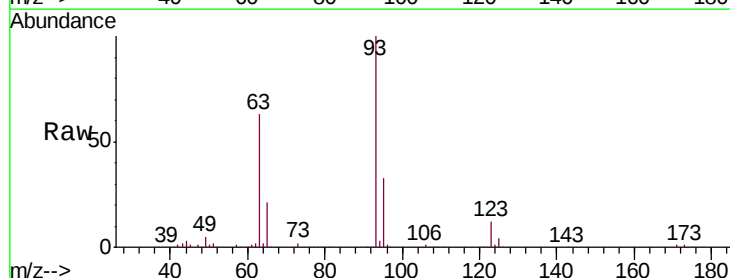
Tgt Ion: 93 Resp: 410899

Ion Ratio Lower Upper

93 100

95 32.6 26.2 39.4

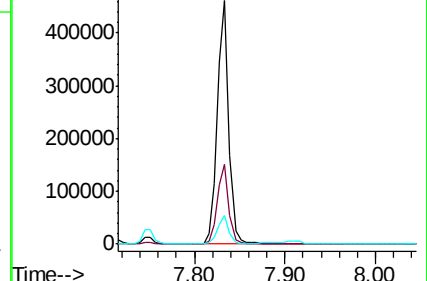
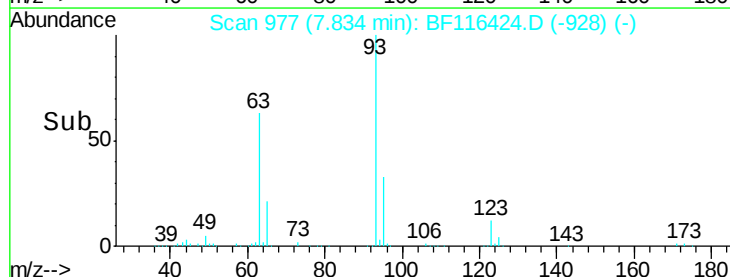
123 11.9 9.2 13.8

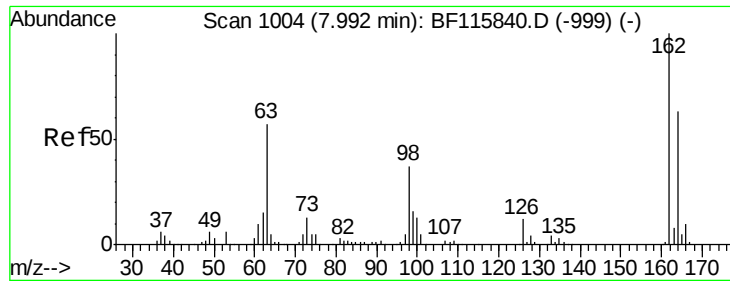


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

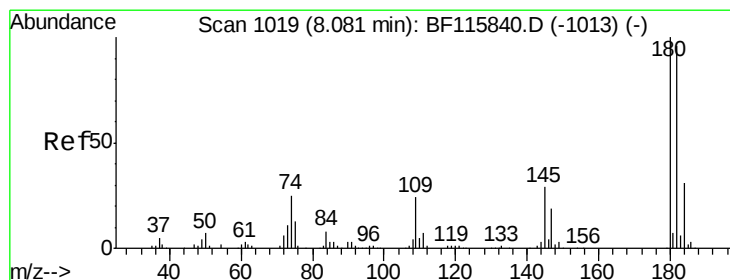
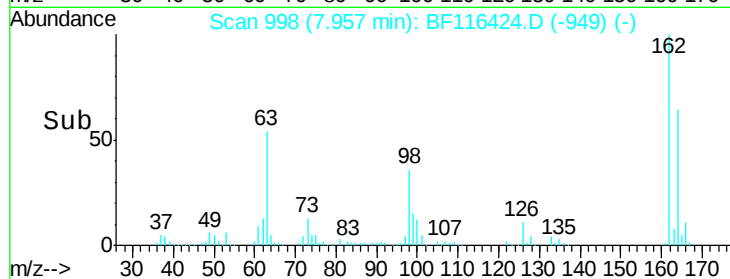
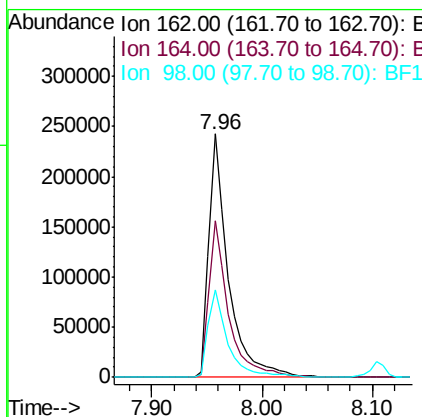
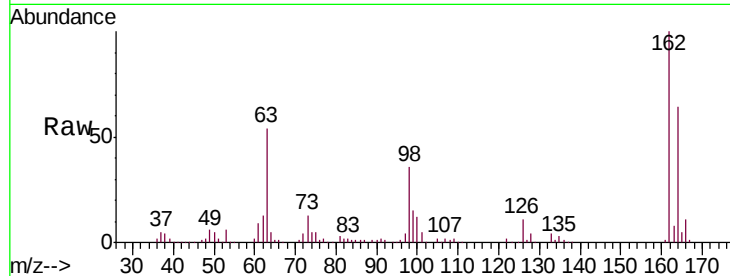




#29
 2,4-Dichlorophenol
 Concen: 41.096 ng
 RT: 7.96 min Scan# 998
 Delta R.T. -0.01 min
 Lab File: BF116424.D
 Acq: 20 Aug 2019 10:23

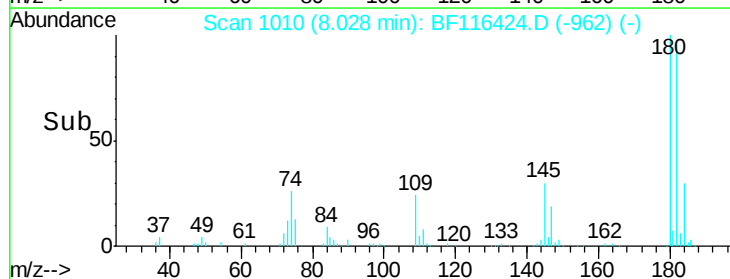
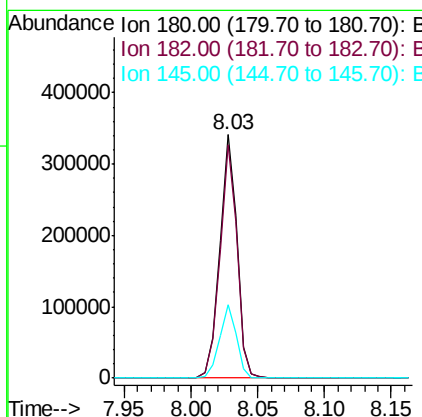
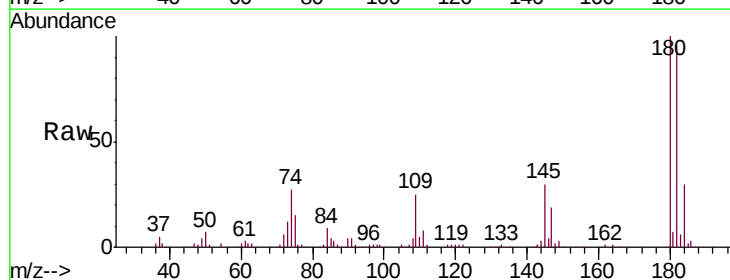
Instrument :
 BNA_F
 ClientSampleId :
 PB122336BS

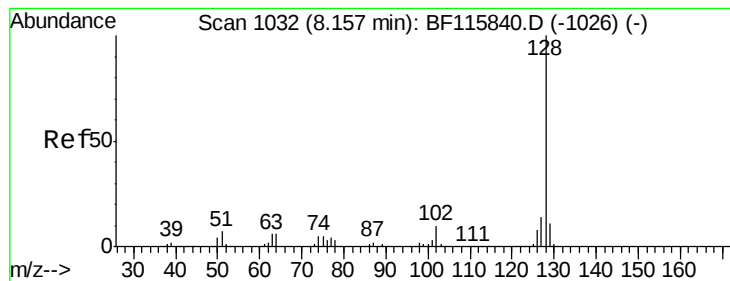
Tgt Ion	Ratio	Resp	Lower	Upper
162	100	290858		
164	64.5	45.1	85.1	
98	35.8	15.8	55.8	



#30
 1,2,4-Trichlorobenzene
 Concen: 38.607 ng
 RT: 8.03 min Scan# 1010
 Delta R.T. -0.02 min
 Lab File: BF116424.D
 Acq: 20 Aug 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	311473		
182	96.1	75.7	113.5	
145	30.1	24.3	36.5	





#31

Naphthalene

Concen: 40.907 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.02 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

Instrument :

BNA_F

ClientSampleId :

PB122336BS

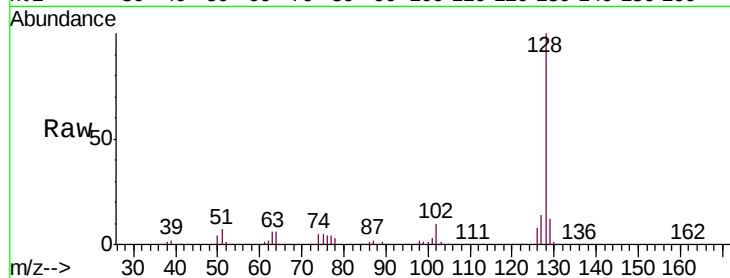
Tgt Ion:128 Resp: 972683

Ion Ratio Lower Upper

128 100

129 11.9 9.3 13.9

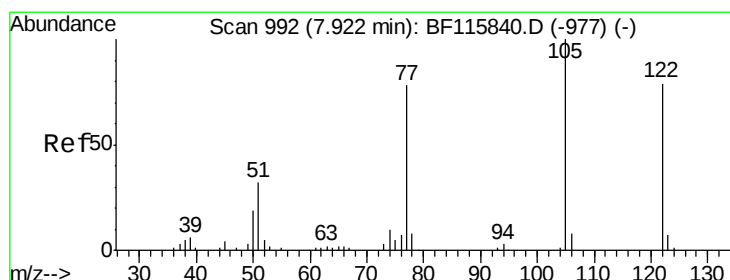
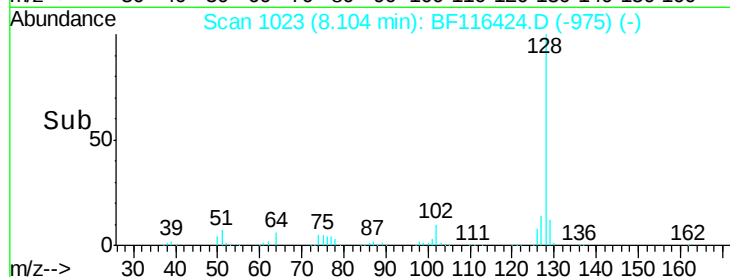
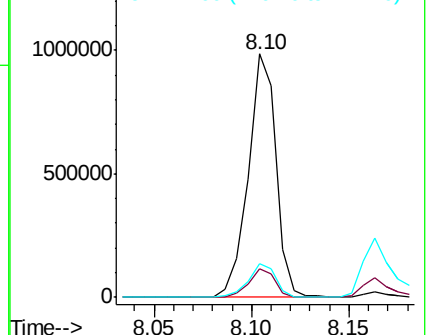
127 13.7 11.4 17.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 34.651 ng

RT: 7.91 min Scan# 990

Delta R.T. 0.00 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

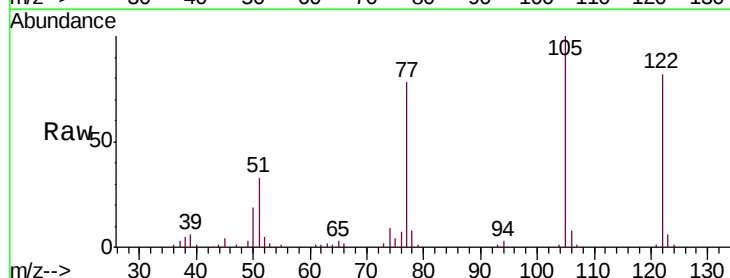
Tgt Ion:122 Resp: 163759

Ion Ratio Lower Upper

122 100

105 122.5 106.1 146.1

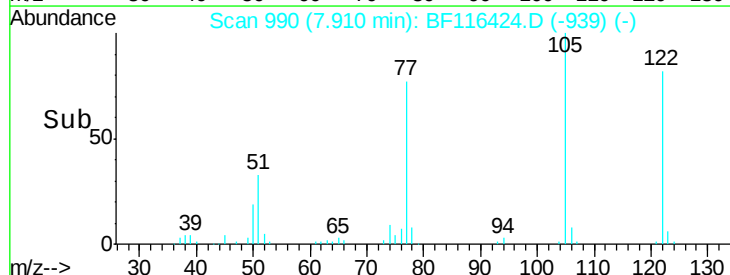
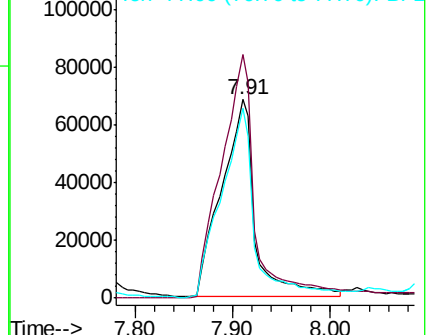
77 95.3 76.7 116.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

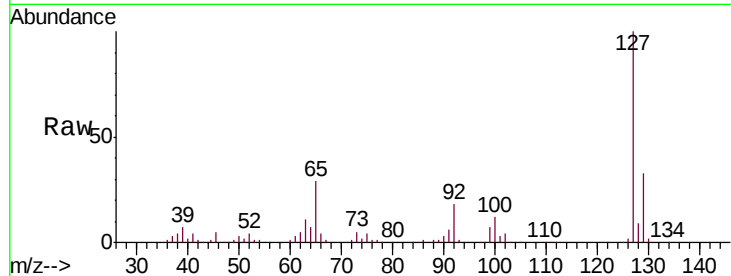




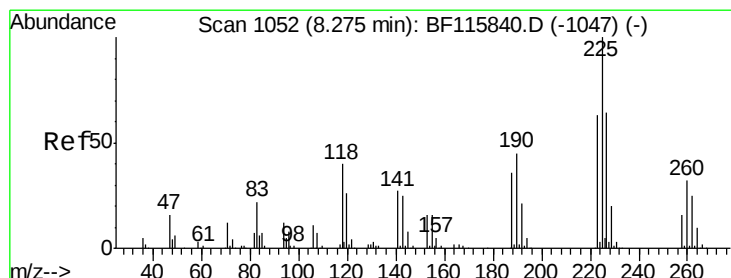
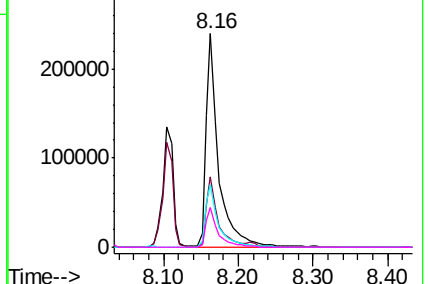
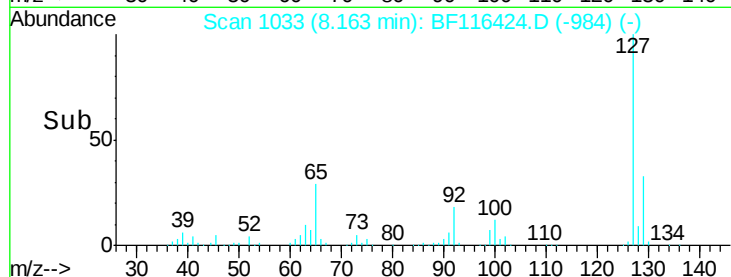
#33
4-Chloroaniline
Concen: 26.425 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF116424.D
Acq: 20 Aug 2019 10:23

Instrument :
BNA_F
ClientSampleId :
PB122336BS

Tgt Ion:	127	Resp:	280737
Ion Ratio	Lower	Upper	
127	100		
129	32.7	26.1	39.1
65	29.3	24.9	37.3
92	18.4	15.7	23.5

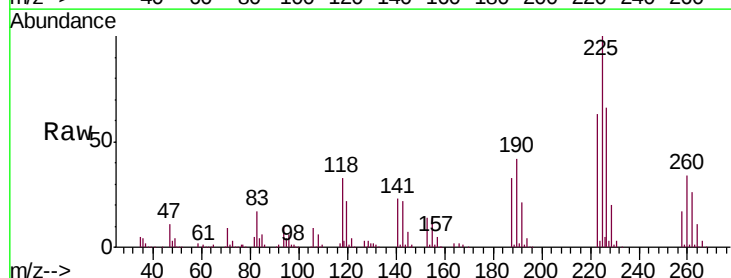


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

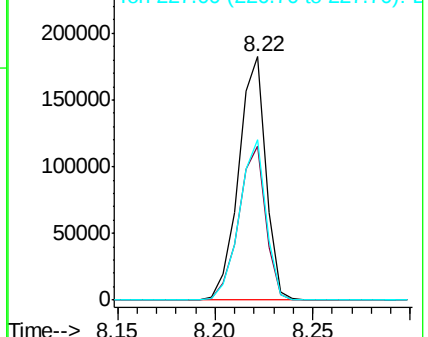
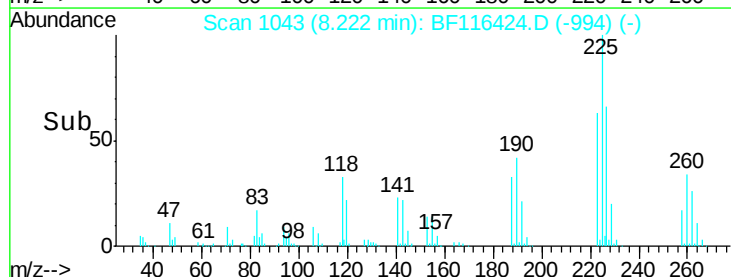


#34
Hexachlorobutadiene
Concen: 38.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF116424.D
Acq: 20 Aug 2019 10:23

Tgt Ion:	225	Resp:	176585
Ion Ratio	Lower	Upper	
225	100		
223	63.4	50.0	75.0
227	65.7	51.0	76.4



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

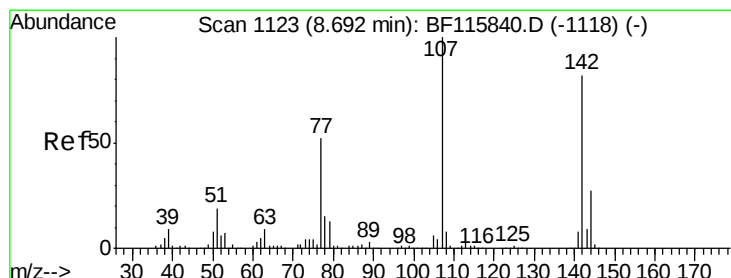
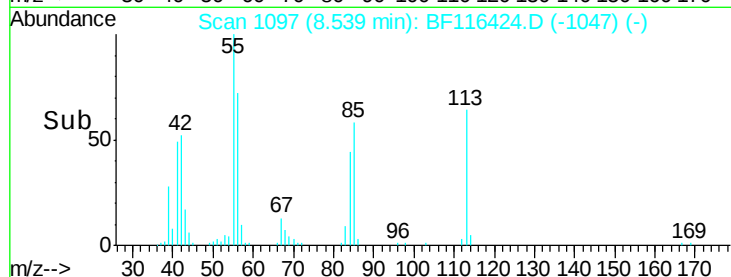
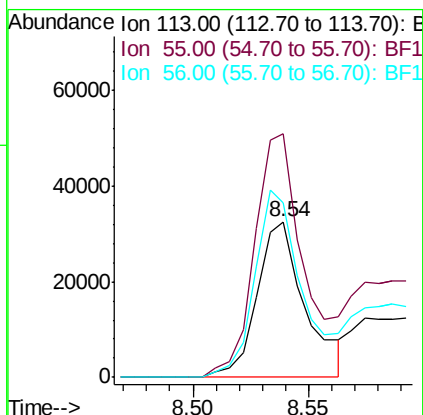
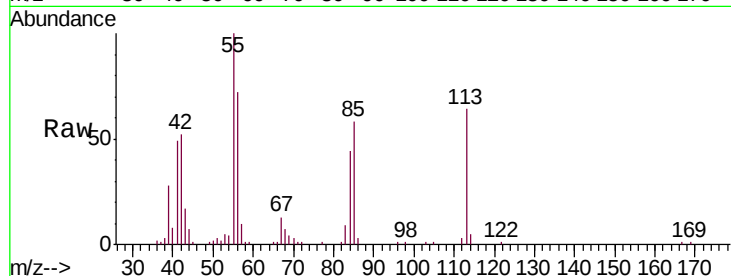




#35
 Caprolactam
 Concen: 20.596 ng
 RT: 8.54 min Scan# 1097
 Delta R.T. -0.01 min
 Lab File: BF116424.D
 Acq: 20 Aug 2019 10:23

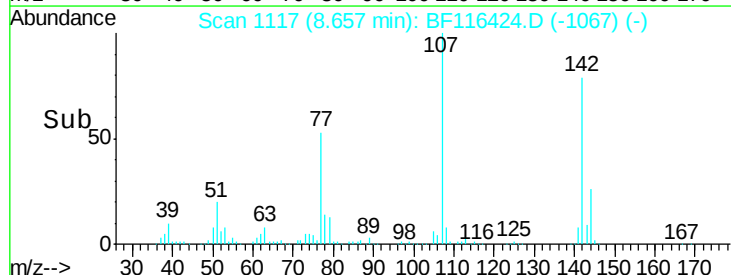
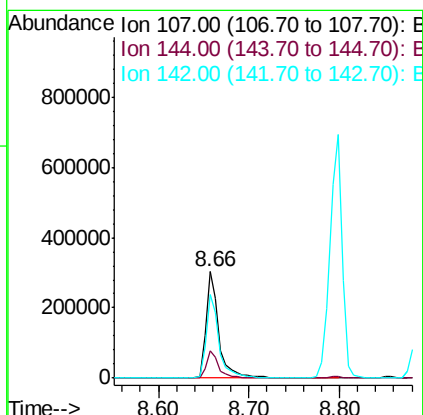
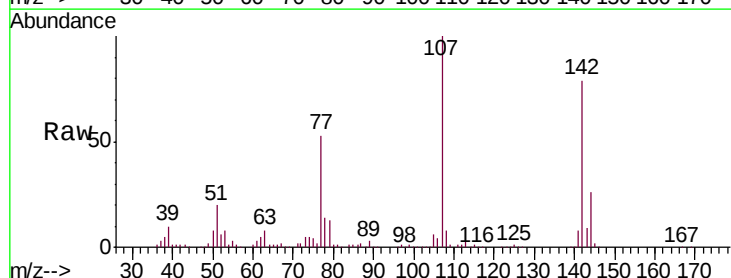
Instrument :
 BNA_F
 ClientSampleId :
 PB122336BS

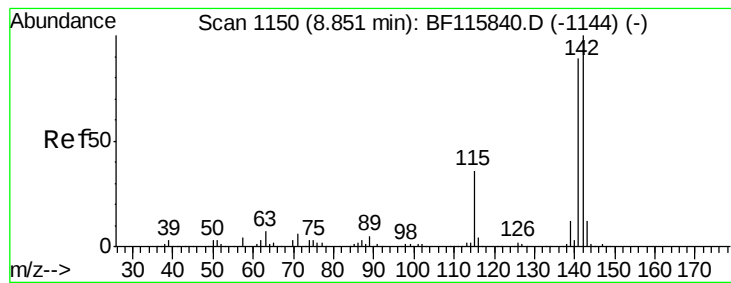
Tgt Ion:113 Resp: 47147
 Ion Ratio Lower Upper
 113 100
 55 156.1 144.3 184.3
 56 111.7 97.1 137.1



#36
 4-Chloro-3-methylphenol
 Concen: 40.950 ng
 RT: 8.66 min Scan# 1117
 Delta R.T. -0.01 min
 Lab File: BF116424.D
 Acq: 20 Aug 2019 10:23

Tgt Ion:107 Resp: 301516
 Ion Ratio Lower Upper
 107 100
 144 25.6 20.2 30.2
 142 79.2 61.7 92.5

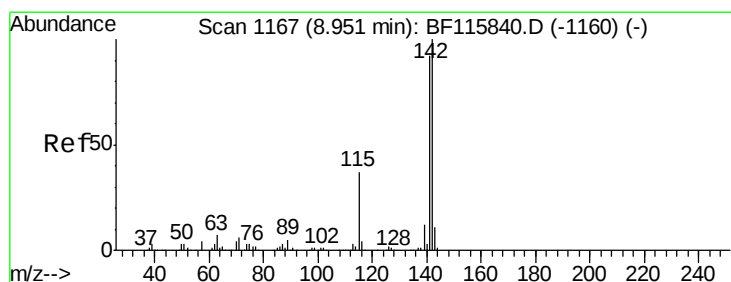
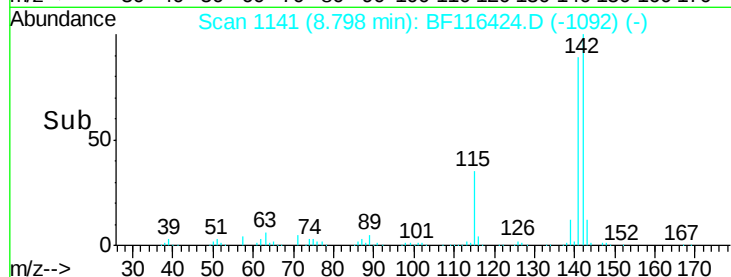
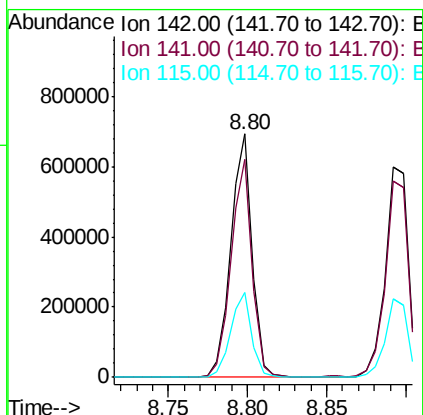
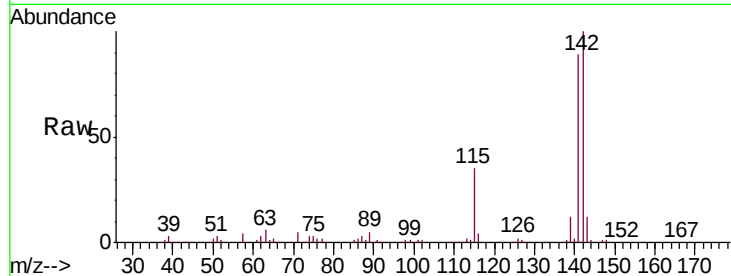




#37
2-Methylnaphthalene
Concen: 41.016 ng
RT: 8.80 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF116424.D
Acq: 20 Aug 2019 10:23

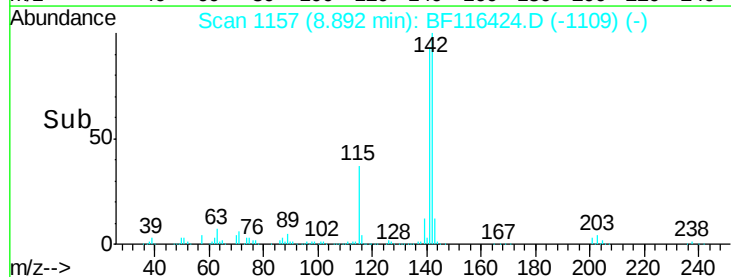
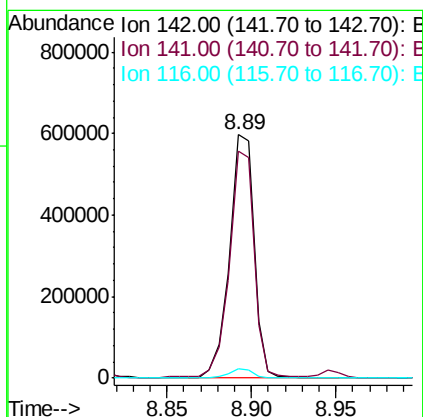
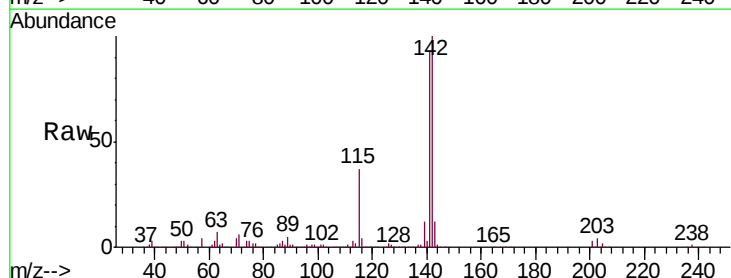
Instrument :
BNA_F
ClientSampleId :
PB122336BS

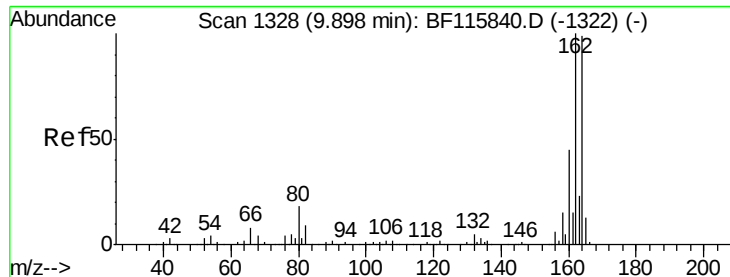
Tgt Ion:142 Resp: 642295
Ion Ratio Lower Upper
142 100
141 89.4 70.9 106.3
115 34.7 29.0 43.6



#38
1-Methylnaphthalene
Concen: 40.459 ng
RT: 8.89 min Scan# 1157
Delta R.T. -0.02 min
Lab File: BF116424.D
Acq: 20 Aug 2019 10:23

Tgt Ion:142 Resp: 599393
Ion Ratio Lower Upper
142 100
141 93.3 74.4 111.6
116 4.0 3.1 4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

Instrument :

BNA_F

ClientSampleId :

PB122336BS

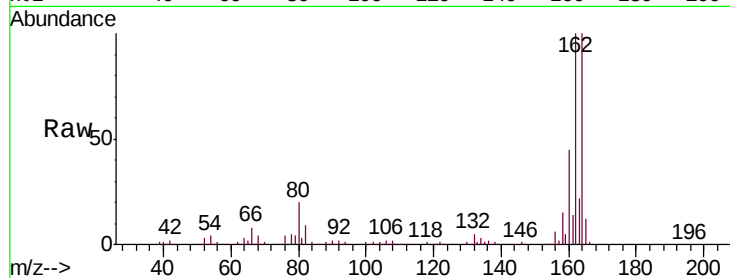
Tgt Ion:164 Resp: 265995

Ion Ratio Lower Upper

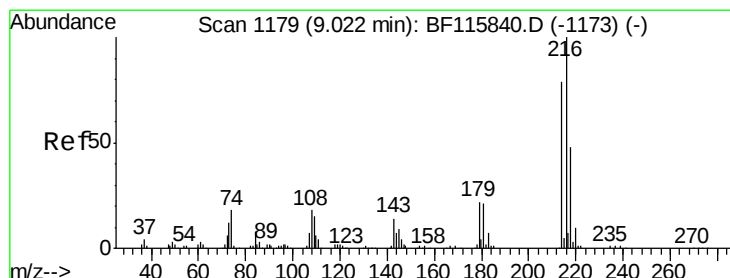
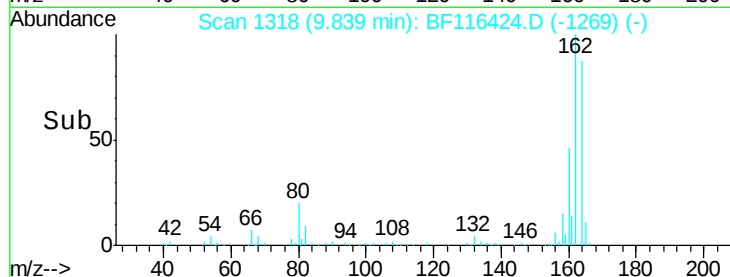
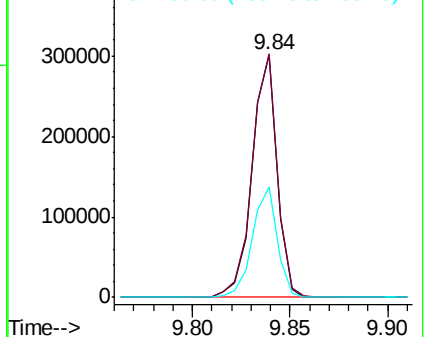
164 100

162 100.4 82.6 124.0

160 45.5 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: 41.242 ng

RT: 8.97 min Scan# 1170

Delta R.T. -0.01 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

Tgt Ion:216 Resp: 293276

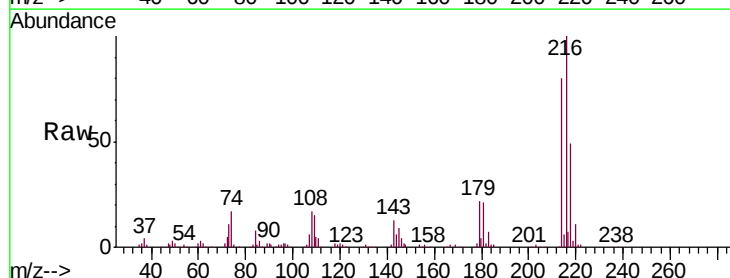
Ion Ratio Lower Upper

216 100

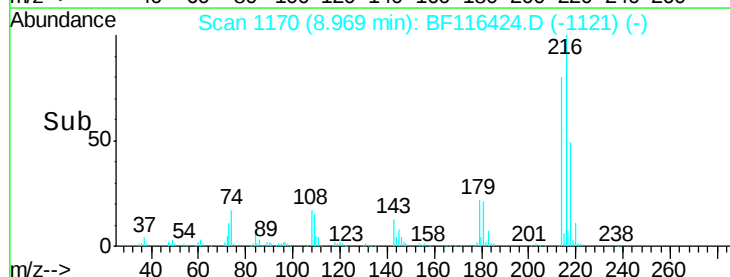
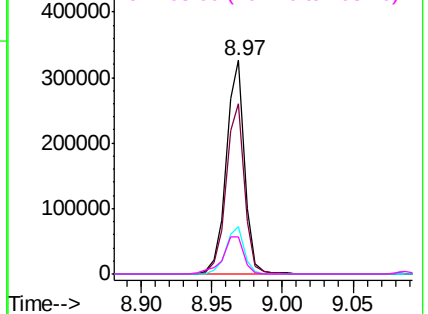
214 80.3 63.6 95.4

179 22.3 17.8 26.8

108 20.5 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: 39.414 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.02 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

Instrument :

BNA_F

ClientSampleId :

PB122336BS

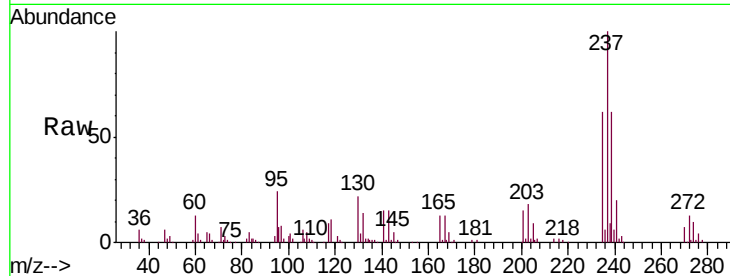
Tgt Ion: 237 Resp: 115466

Ion Ratio Lower Upper

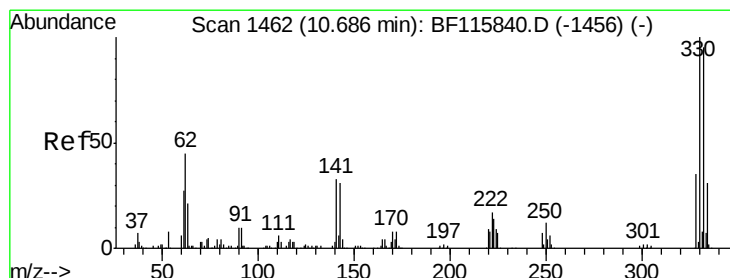
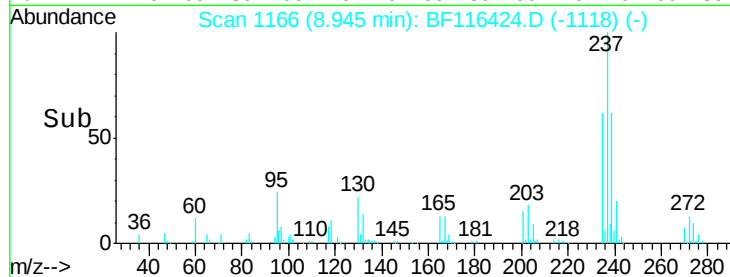
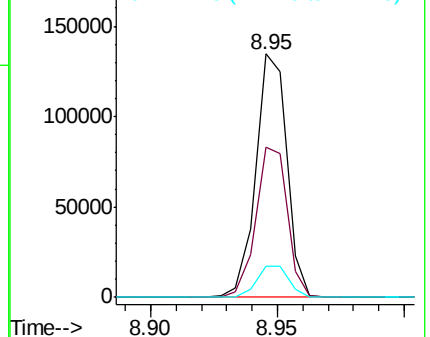
237 100

235 61.9 43.4 83.4

272 12.6 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: 104.711 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

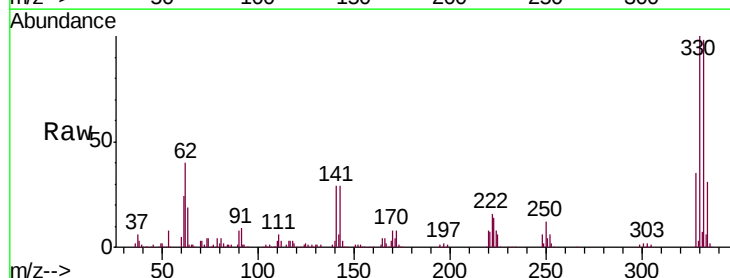
Tgt Ion: 330 Resp: 270039

Ion Ratio Lower Upper

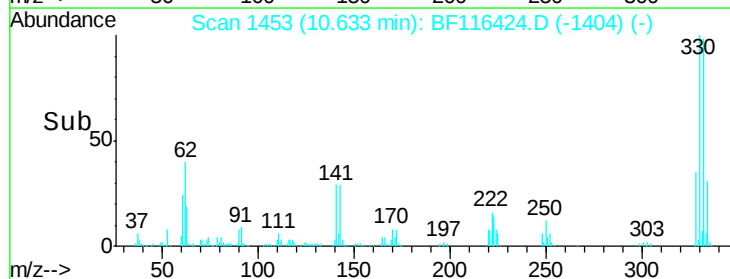
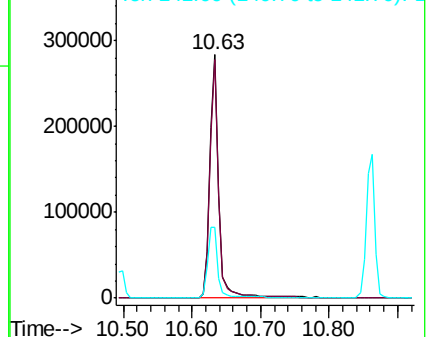
330 100

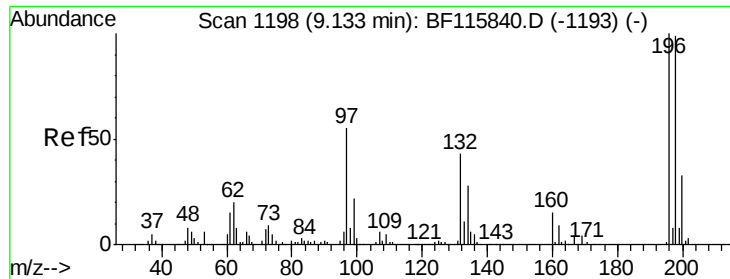
332 96.5 76.8 115.2

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

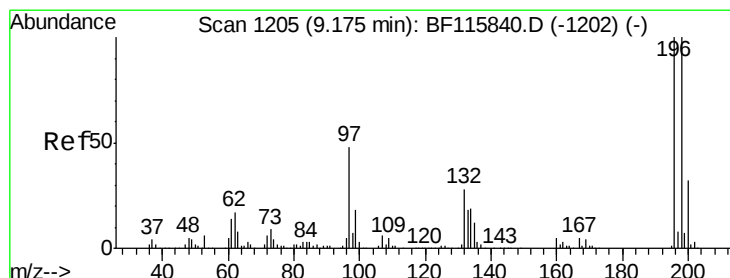
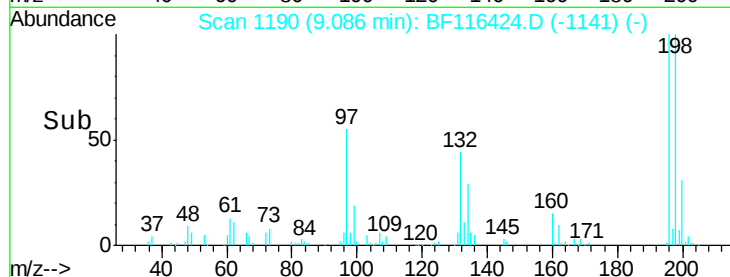
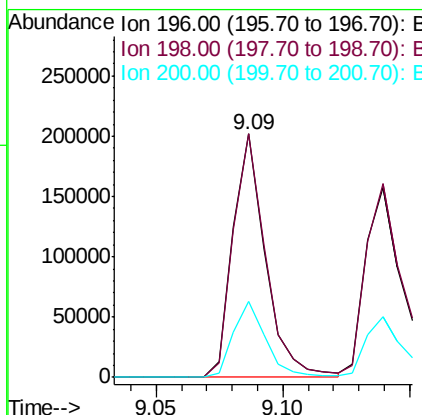
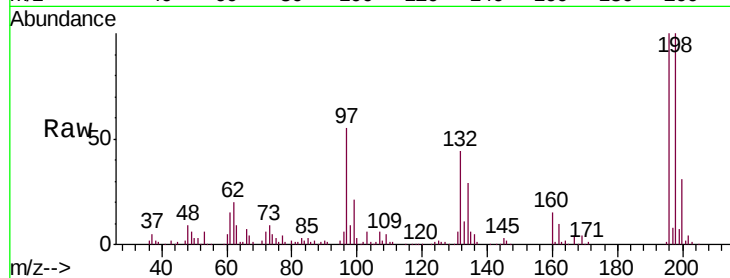




#43
 2,4,6-Trichlorophenol
 Concen: 36.895 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF116424.D
 Acq: 20 Aug 2019 10:23

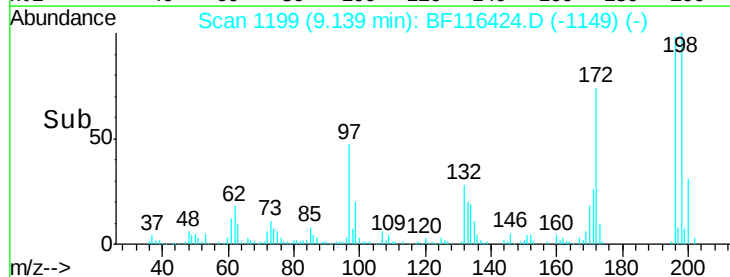
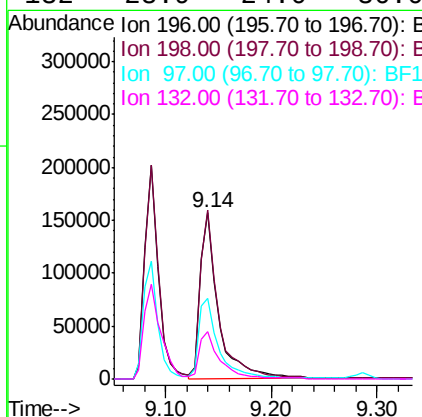
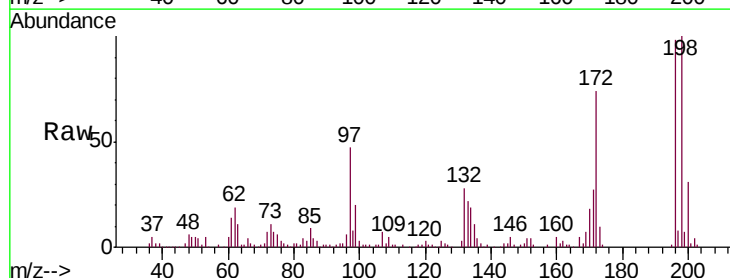
Instrument :
 BNA_F
 ClientSampleId :
 PB122336BS

Tgt Ion:196 Resp: 180588
 Ion Ratio Lower Upper
 196 100
 198 100.0 79.2 118.8
 200 31.1 25.2 37.8



#44
 2,4,5-Trichlorophenol
 Concen: 36.853 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF116424.D
 Acq: 20 Aug 2019 10:23

Tgt Ion:196 Resp: 186463
 Ion Ratio Lower Upper
 196 100
 198 102.1 78.8 118.2
 97 48.3 42.2 63.4
 132 28.9 24.0 36.0

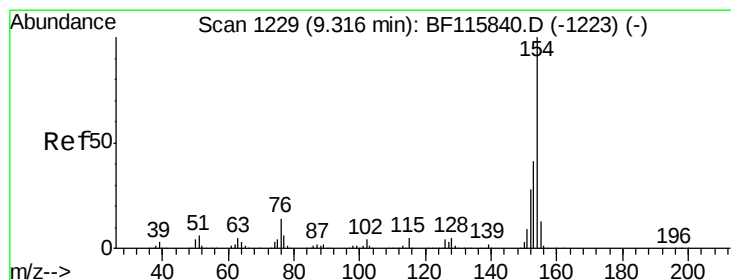
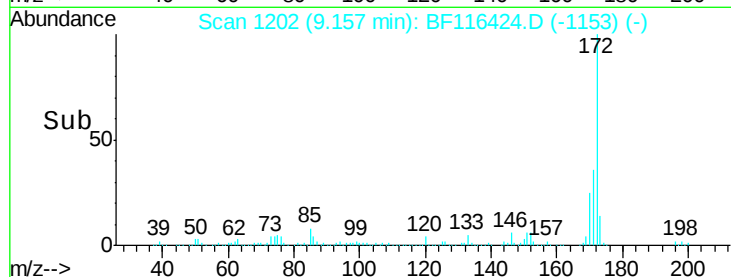
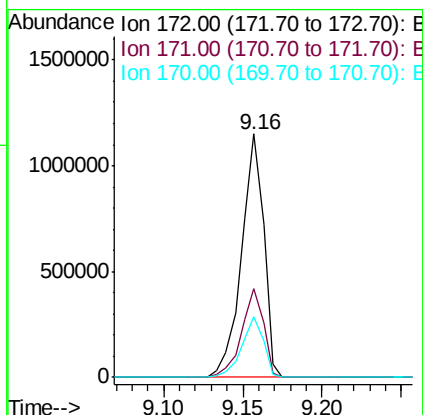
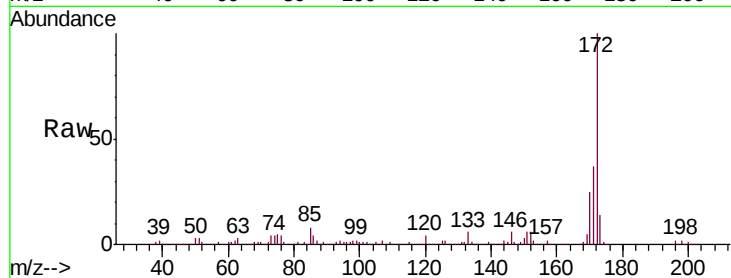




#45
2-Fluorobiphenyl
Concen: 78.230 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF116424.D
Acq: 20 Aug 2019 10:23

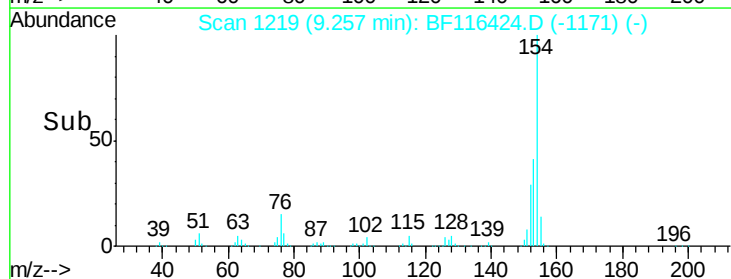
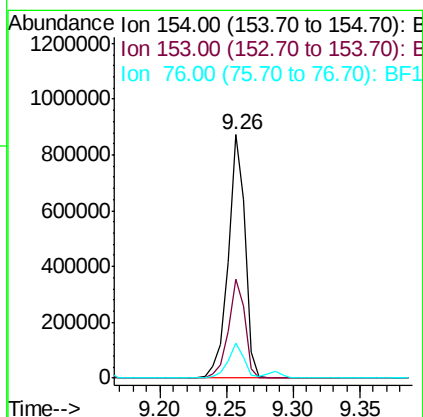
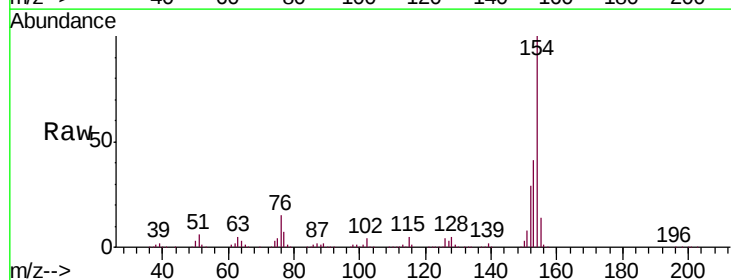
Instrument :
BNA_F
ClientSampleId :
PB122336BS

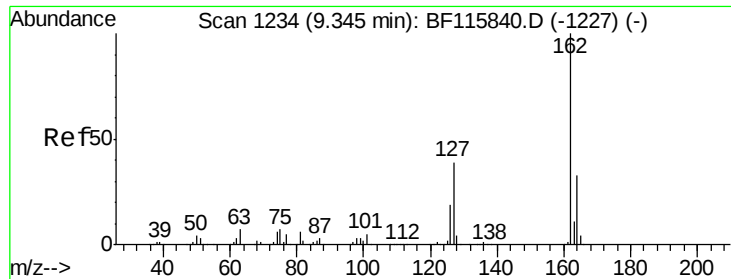
Tgt Ion:172 Resp: 1110942
Ion Ratio Lower Upper
172 100
171 36.5 29.6 44.4
170 24.8 20.1 30.1



#46
1,1'-Biphenyl
Concen: 41.552 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.02 min
Lab File: BF116424.D
Acq: 20 Aug 2019 10:23

Tgt Ion:154 Resp: 780311
Ion Ratio Lower Upper
154 100
153 40.8 21.4 61.4
76 14.5 0.0 35.2

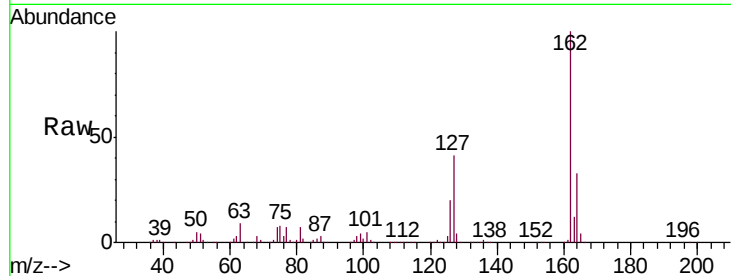




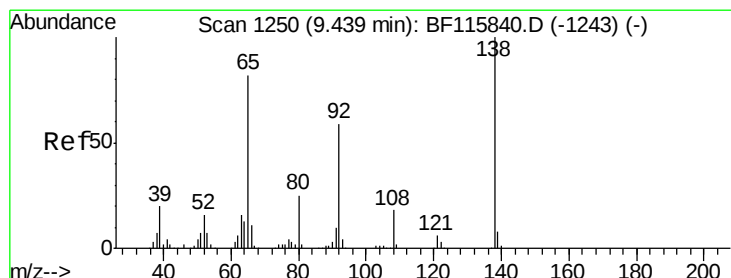
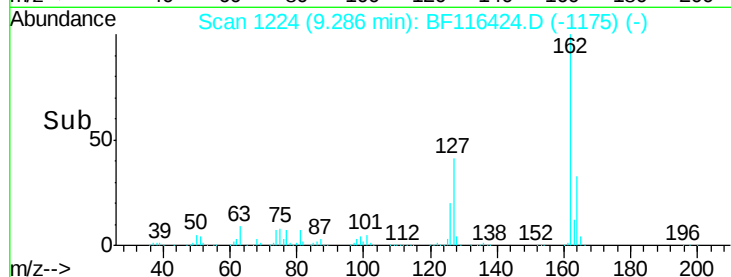
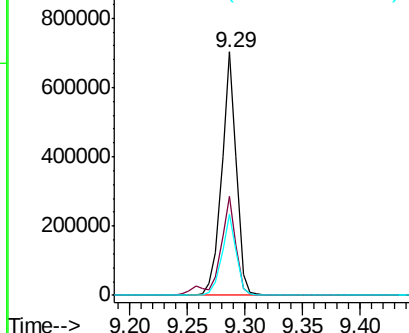
#47
 2-Chloronaphthalene
 Concen: 39.398 ng
 RT: 9.29 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: BF116424.D
 Acq: 20 Aug 2019 10:23

Instrument :
 BNA_F
 ClientSampleId :
 PB122336BS

Tgt Ion:	162	Resp:	615789
Ion	Ratio	Lower	Upper
162	100		
127	40.9	32.8	49.2
164	33.2	26.6	39.8

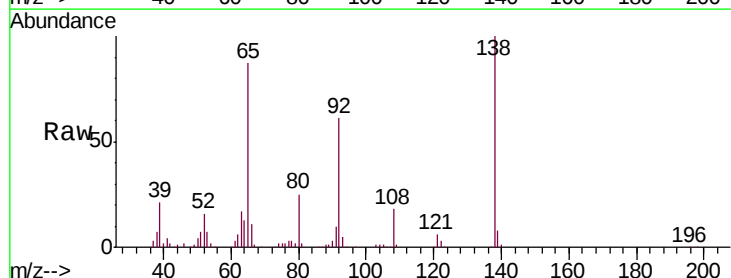


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

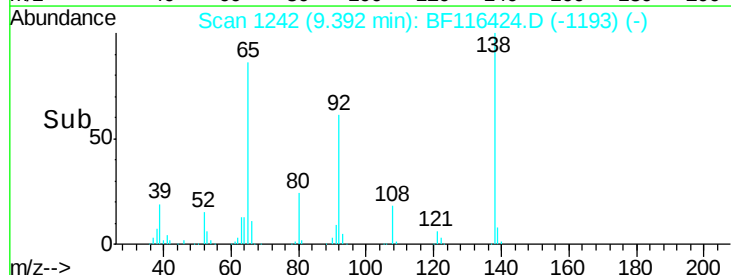
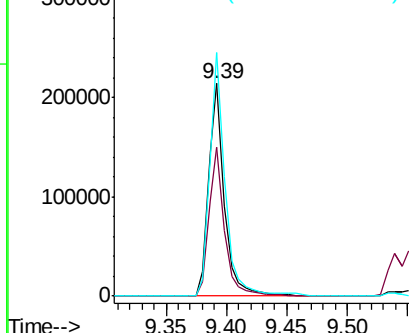


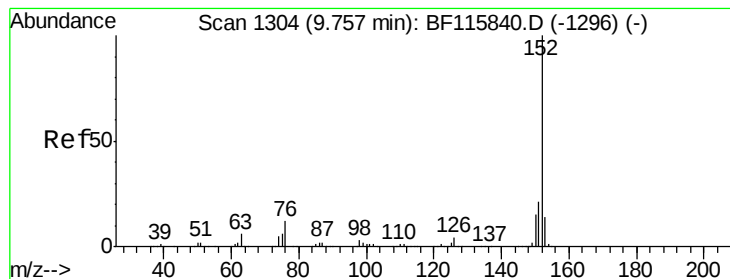
#48
 2-Nitroaniline
 Concen: 37.161 ng
 RT: 9.39 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: BF116424.D
 Acq: 20 Aug 2019 10:23

Tgt Ion:	65	Resp:	191980
Ion	Ratio	Lower	Upper
65	100		
92	70.3	57.8	86.8
138	114.4	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: 40.406 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.02 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

Instrument :

BNA_F

ClientSampleId :

PB122336BS

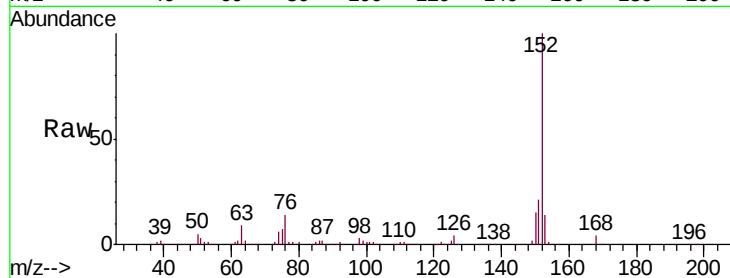
Tgt Ion:152 Resp: 921364

Ion Ratio Lower Upper

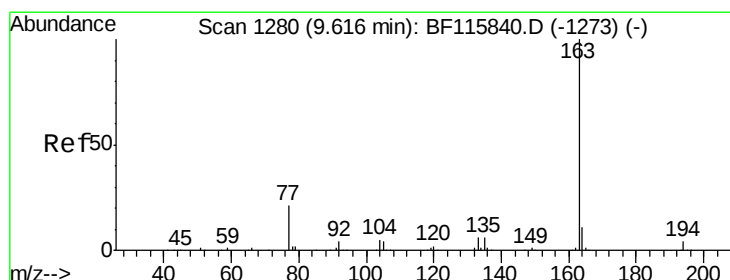
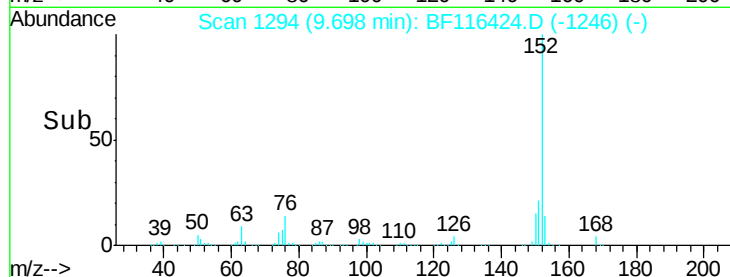
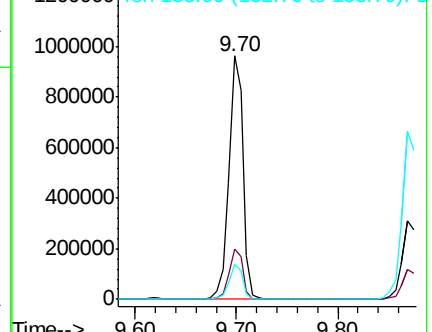
152 100

151 20.5 17.2 25.8

153 14.2 11.8 17.8



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



#50

Dimethylphthalate

Concen: 39.294 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

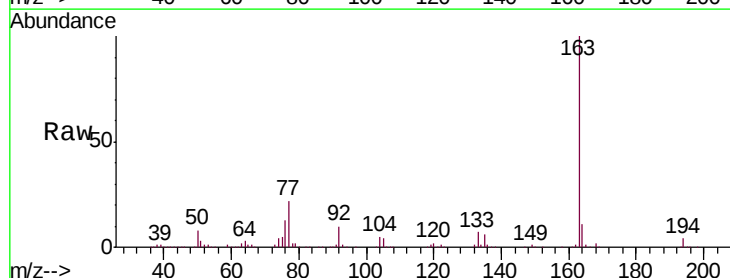
Tgt Ion:163 Resp: 711672

Ion Ratio Lower Upper

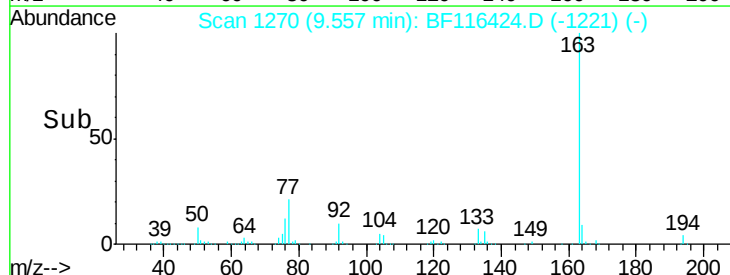
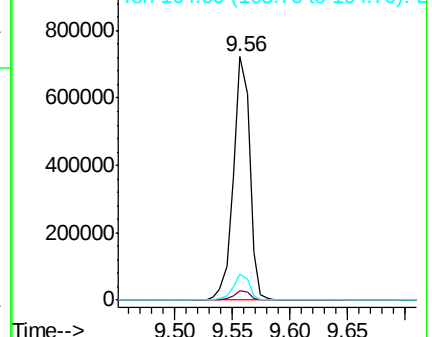
163 100

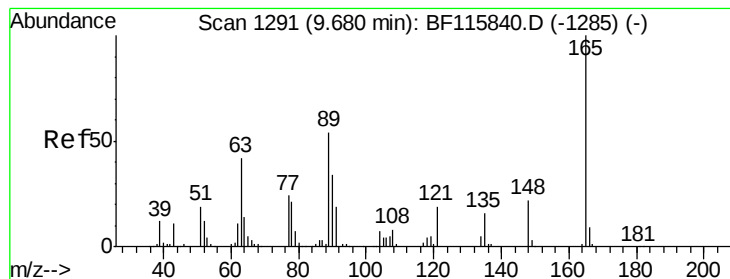
194 3.6 3.0 4.6

164 10.6 8.4 12.6



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





#51

2,6-Dinitrotoluene

Concen: 40.598 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

Instrument :

BNA_F

ClientSampleId :

PB122336BS

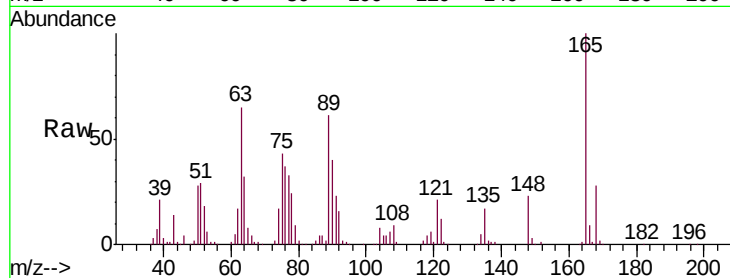
Tgt Ion:165 Resp: 159790

Ion Ratio Lower Upper

165 100

63 65.3 38.2 57.2#

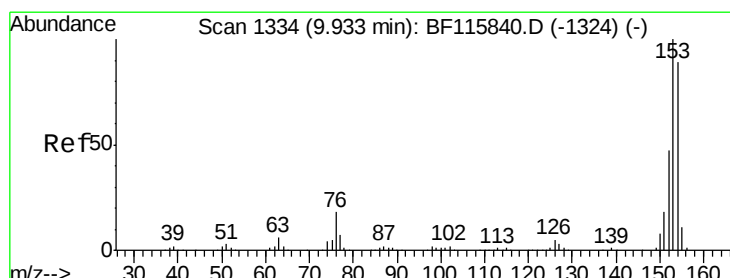
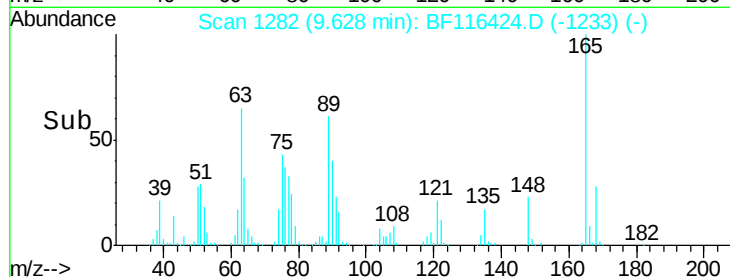
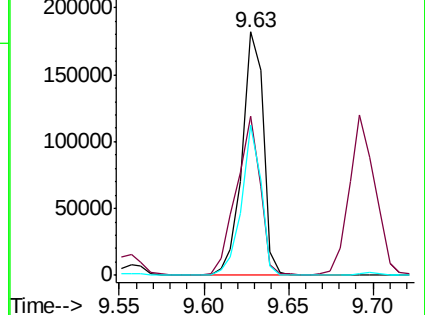
89 61.5 42.9 64.3



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: 39.956 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

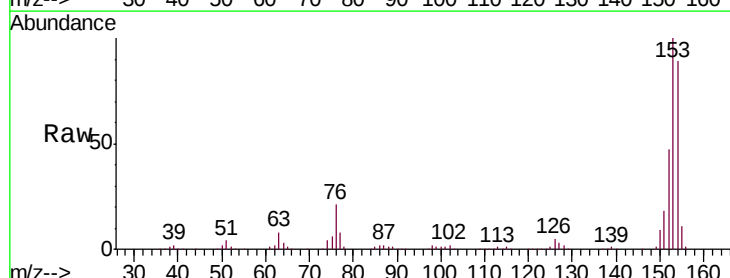
Tgt Ion:154 Resp: 558940

Ion Ratio Lower Upper

154 100

153 112.5 89.4 134.0

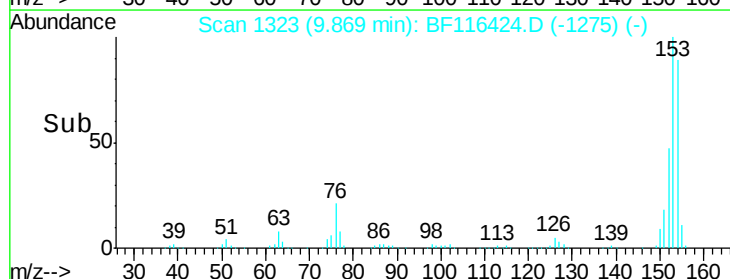
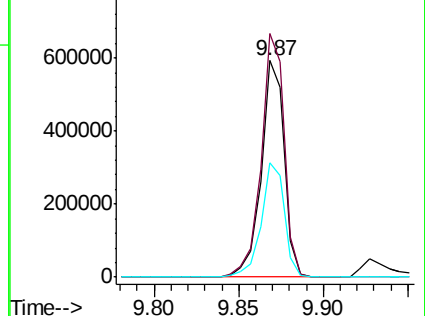
152 52.6 42.3 63.5

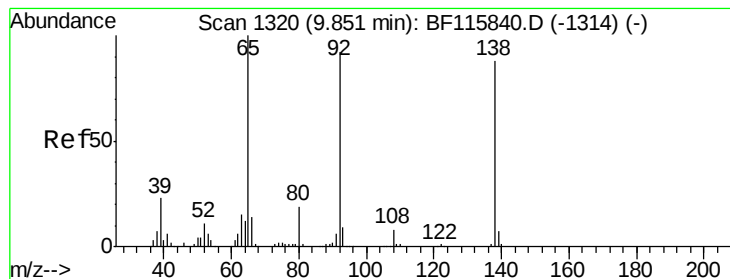


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 26.312 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

Instrument :

BNA_F

ClientSampleId :

PB122336BS

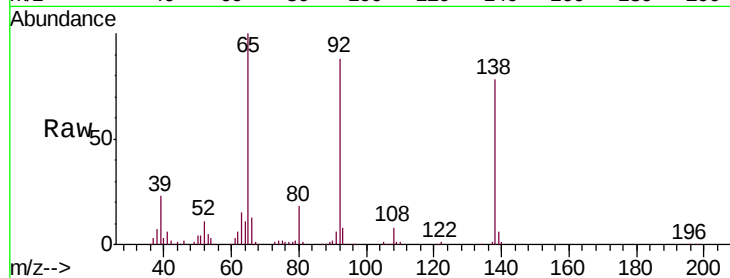
Tgt Ion:138 Resp: 127961

Ion Ratio Lower Upper

138 100

108 9.9 8.0 12.0

92 113.1 91.0 136.6



Abundance Ion 138.00 (137.70 to 138.70): E

200000 Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

150000

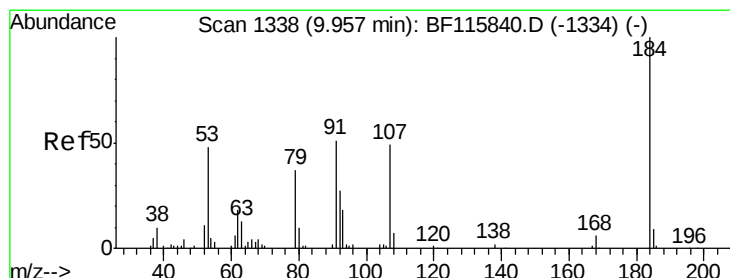
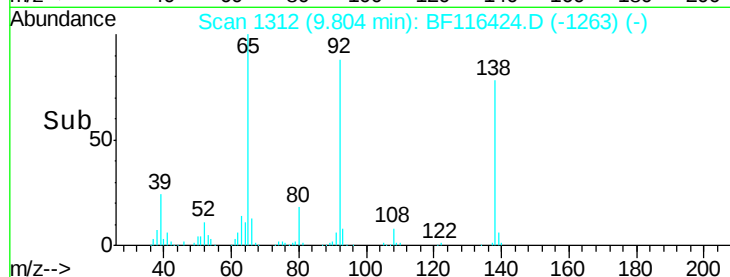
100000

50000

0

9.75 9.80 9.85 9.90

Time-->



#54

2,4-Dinitrophenol

Concen: 58.941 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.02 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

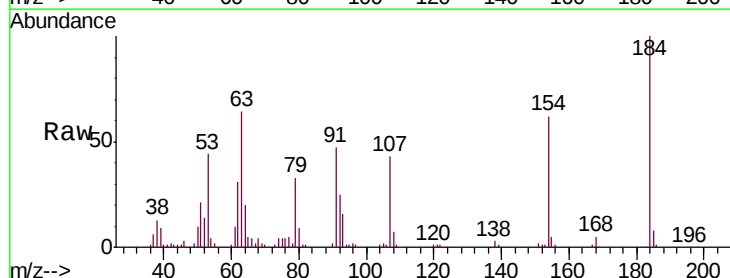
Tgt Ion:184 Resp: 113428

Ion Ratio Lower Upper

184 100

63 64.0 53.0 79.4

154 62.2 50.1 75.1



Abundance Ion 184.00 (183.70 to 184.70): E

800000 Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

600000

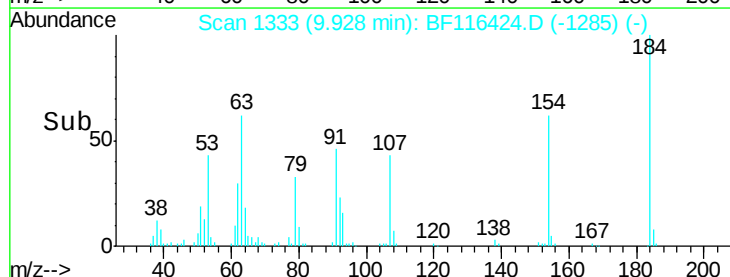
400000

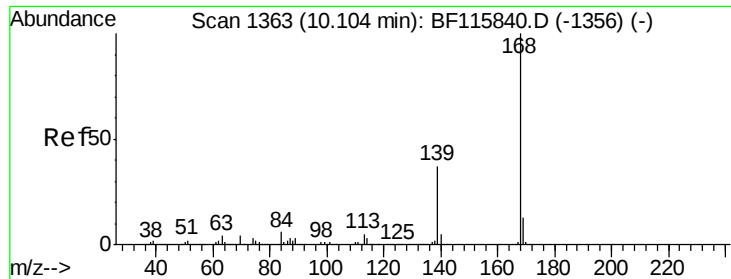
200000

0

9.90 9.95 10.00

Time-->

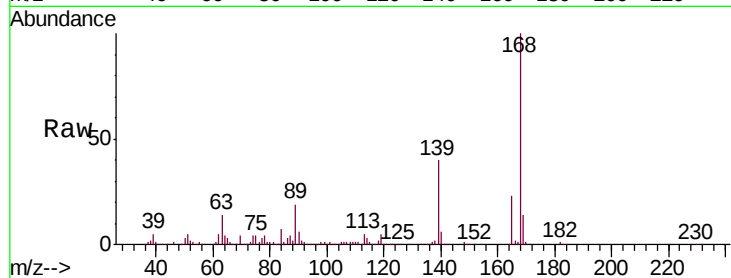




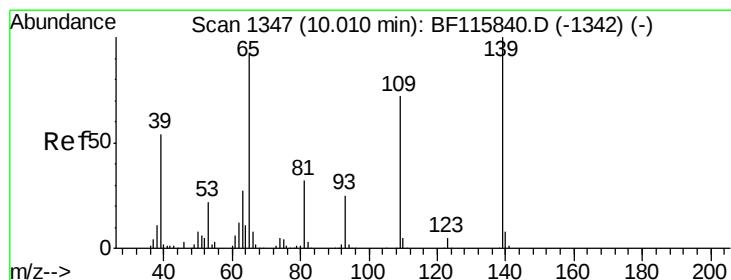
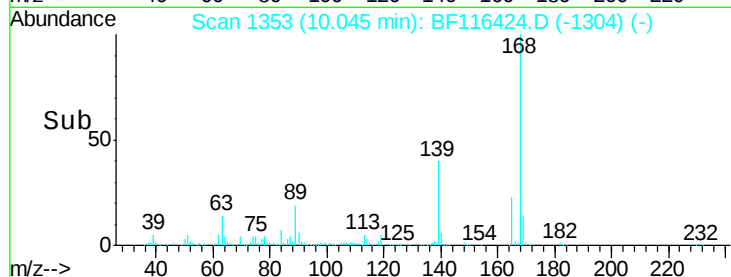
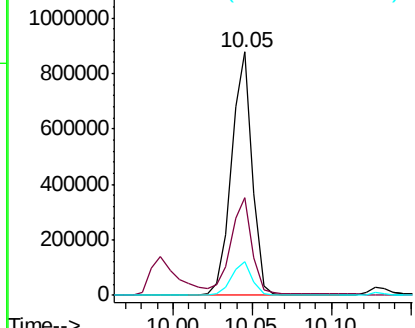
#55
Dibenzenofuran
Concen: 38.810 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BF116424.D
Acq: 20 Aug 2019 10:23

Instrument :
BNA_F
ClientSampleId :
PB122336BS

Tgt Ion	Ratio	Lower	Upper
168	100		
139	39.9	31.4	47.2
169	13.6	10.9	16.3

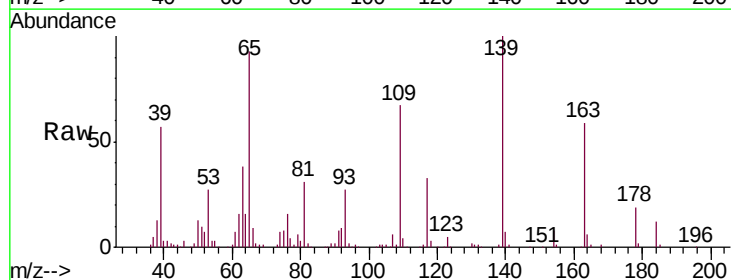


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

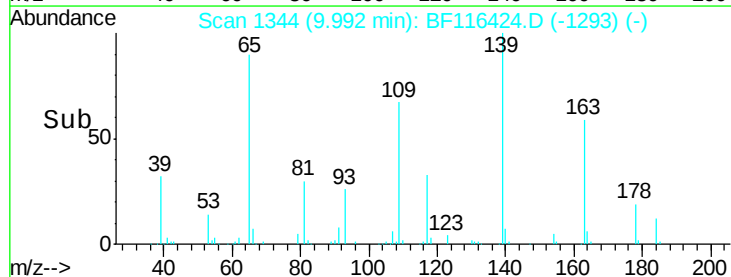
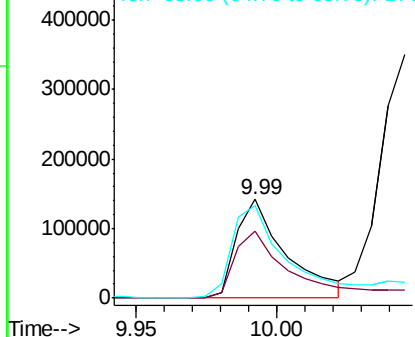


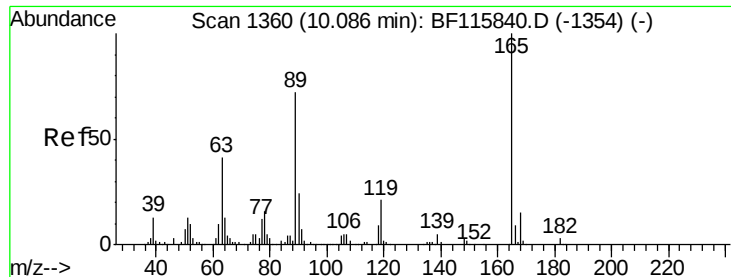
#56
4-Nitrophenol
Concen: 55.806 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.00 min
Lab File: BF116424.D
Acq: 20 Aug 2019 10:23

Tgt Ion	Ratio	Lower	Upper
139	100		
109	67.4	54.4	94.4
65	93.2	80.6	120.6



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

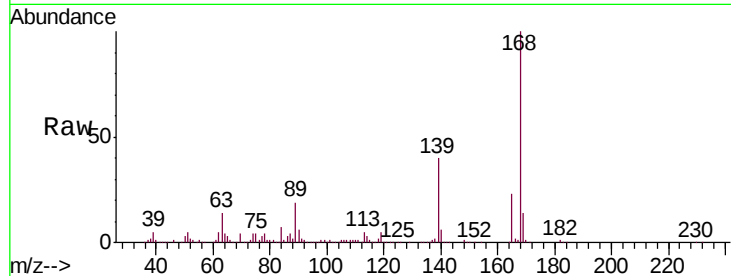




#57
 2,4-Dinitrotoluene
 Concen: 37.121 ng
 RT: 10.05 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: BF116424.D
 Acq: 20 Aug 2019 10:23

Instrument :
 BNA_F
 ClientSampleId :
 PB122336BS

Tgt Ion	Ratio	Lower	Upper
165	100		
63	60.2	39.6	59.4#
89	82.8	62.2	93.2
182	2.8	2.1	3.1

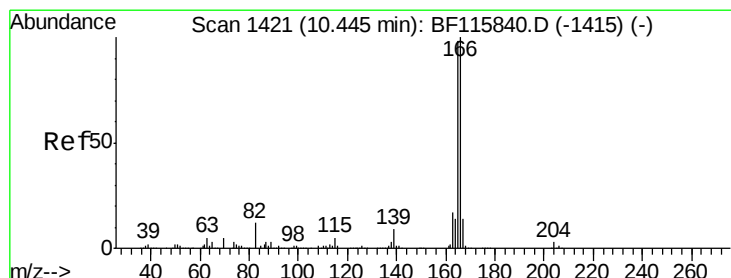
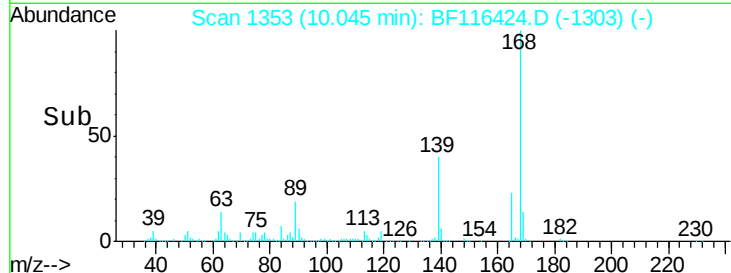
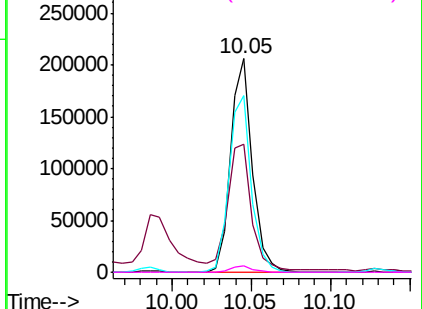


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

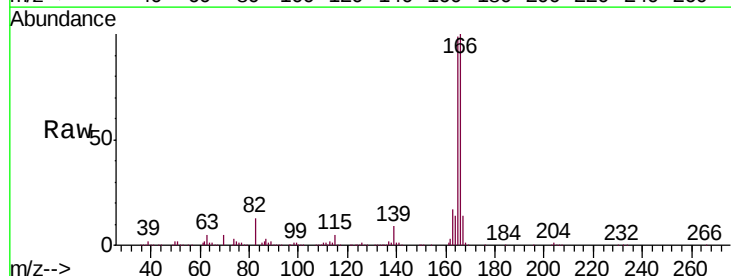
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
 Fluorene
 Concen: 41.659 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. -0.01 min
 Lab File: BF116424.D
 Acq: 20 Aug 2019 10:23

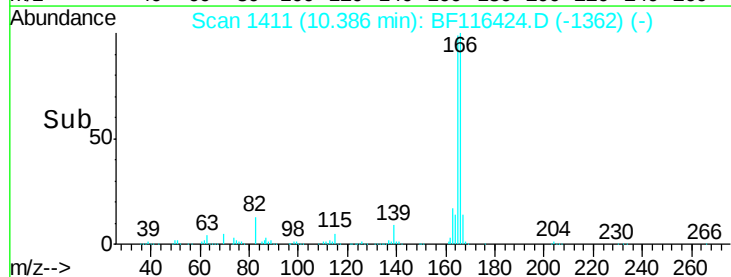
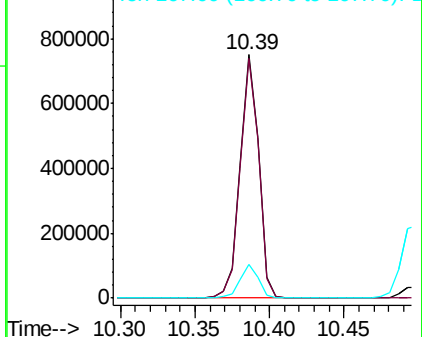
Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.7	78.4	117.6
167	13.8	11.0	16.4



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

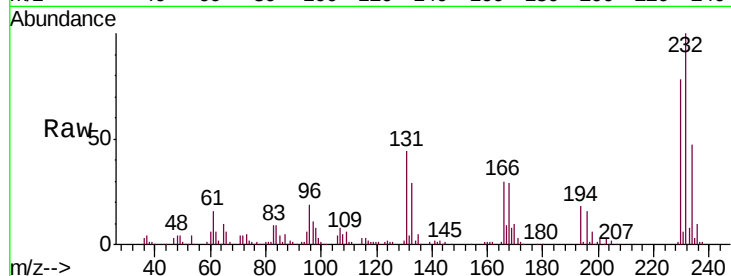




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 39.544 ng
 RT: 10.17 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: BF116424.D
 Acq: 20 Aug 2019 10:23

Instrument :
 BNA_F
 ClientSampleId :
 PB122336BS

Tgt Ion	Ratio	Lower	Upper
232	100		
131	44.2	36.2	54.2
130	2.5	1.9	2.9
166	27.1	23.0	34.4



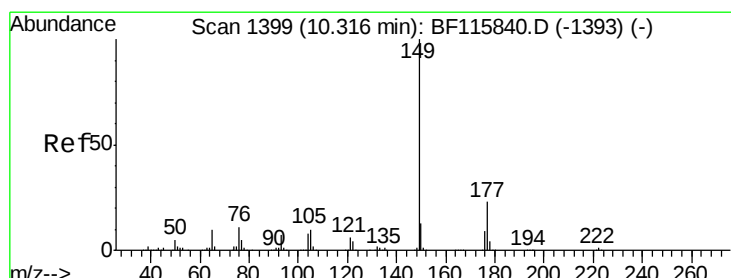
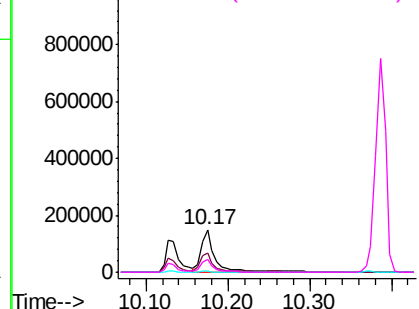
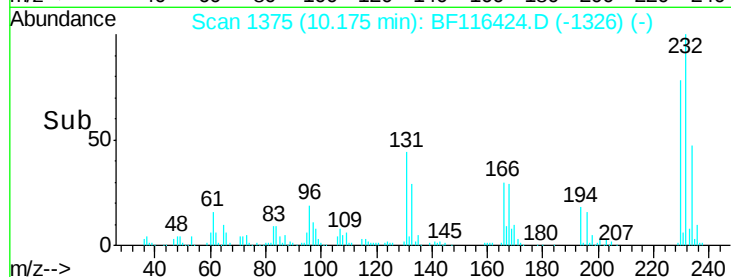
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

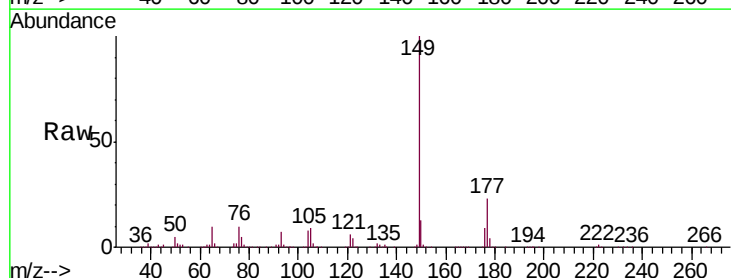
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
 Diethylphthalate
 Concen: 40.981 ng
 RT: 10.26 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: BF116424.D
 Acq: 20 Aug 2019 10:23

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.8	18.8	28.2
150	12.7	10.2	15.4

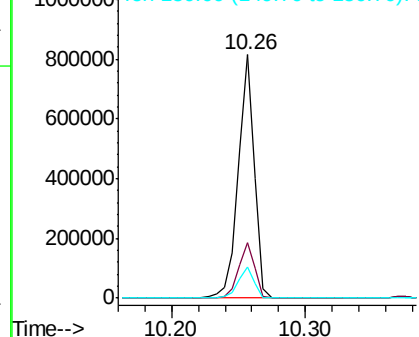
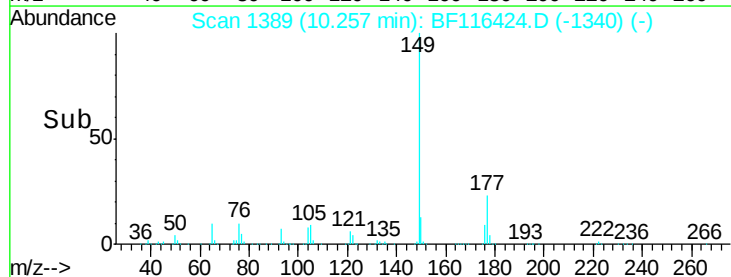


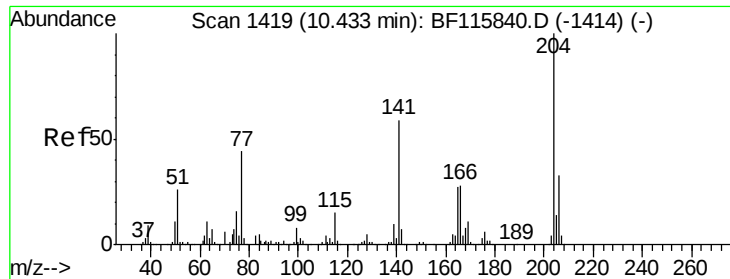
Abundance

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

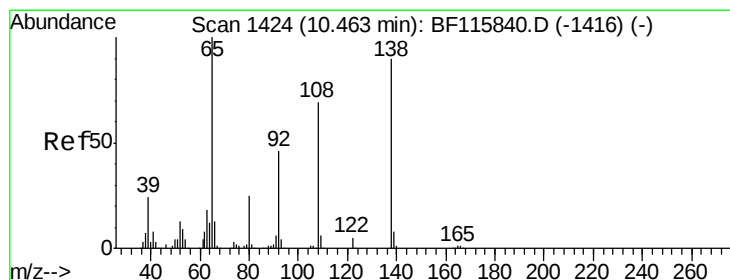
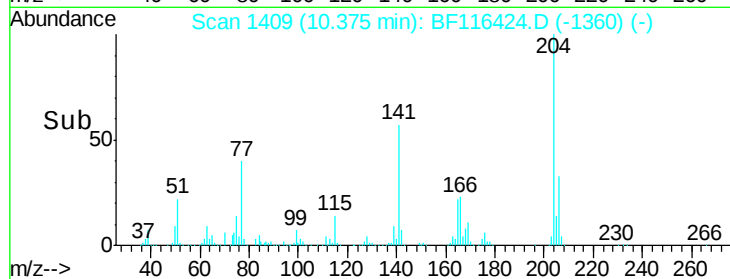
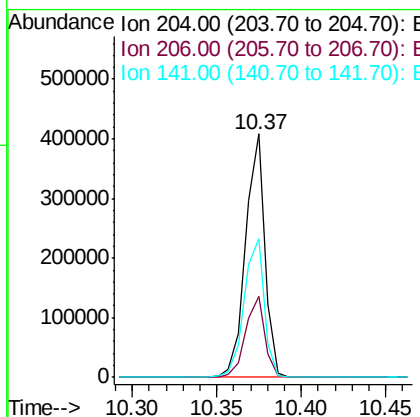
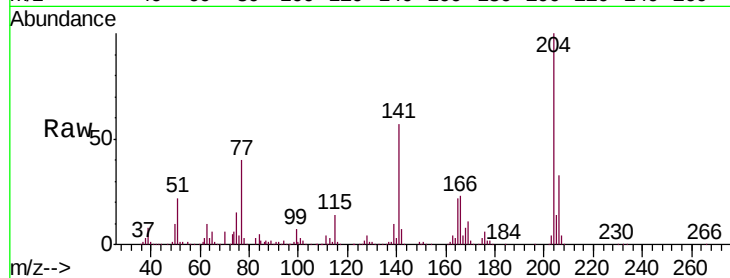




#61
 4-Chlorophenyl-phenylether
 Concen: 41.470 ng
 RT: 10.37 min Scan# 1409
 Delta R.T. -0.01 min
 Lab File: BF116424.D
 Acq: 20 Aug 2019 10:23

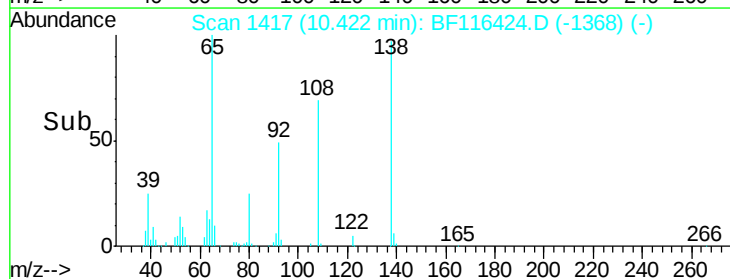
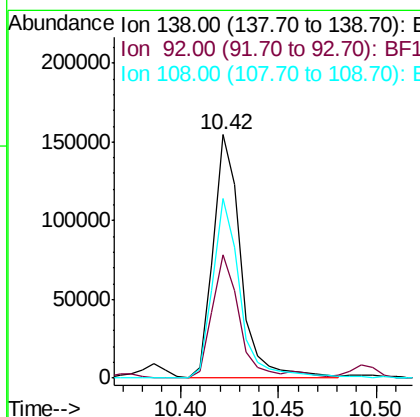
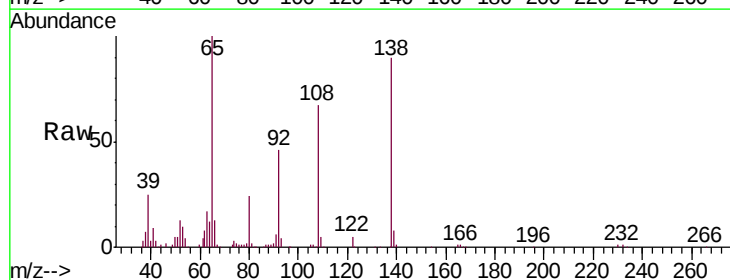
Instrument :
 BNA_F
 ClientSampleId :
 PB122336BS

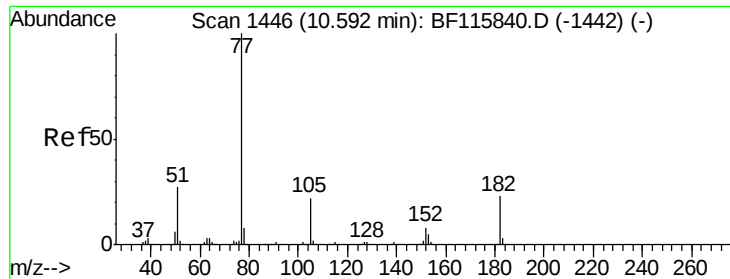
Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.4	39.6
141	56.8	46.4	69.6



#62
 4-Nitroaniline
 Concen: 30.344 ng
 RT: 10.42 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: BF116424.D
 Acq: 20 Aug 2019 10:23

Tgt Ion	Ratio	Lower	Upper
138	100		
92	50.7	29.0	69.0
108	74.0	54.7	94.7





#63

Azobenzene

Concen: 41.065 ng

RT: 10.53 min Scan# 1436

Delta R.T. -0.02 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

Instrument :

BNA_F

ClientSampleId :

PB122336BS

Tgt Ion: 77 Resp: 714203

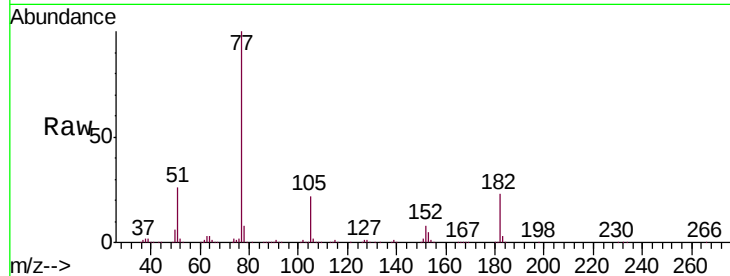
Ion Ratio Lower Upper

77 100

182 23.3 4.0 44.0

105 21.9 2.0 42.0

51 26.5 7.5 47.5

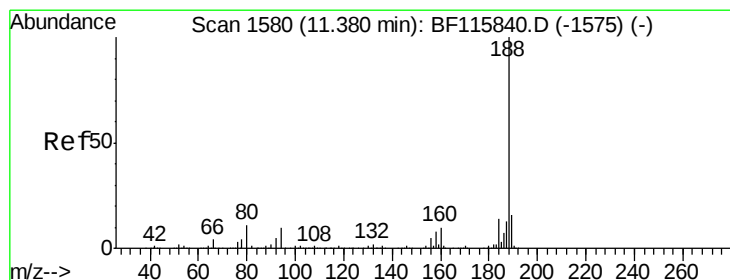
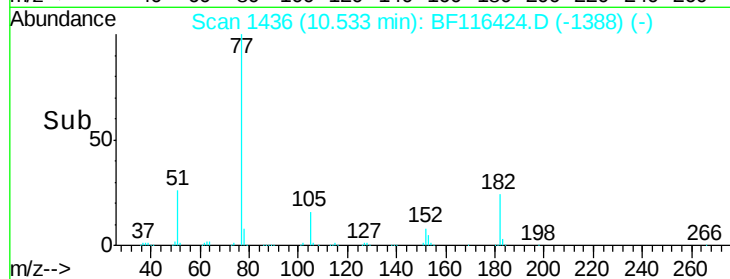
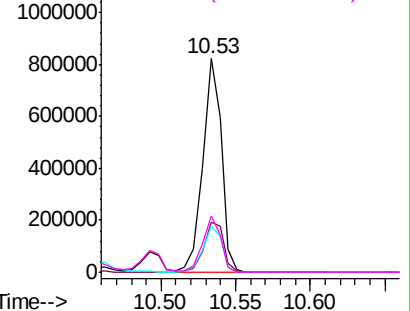


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: 11.32 min Scan# 1570

Delta R.T. -0.02 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

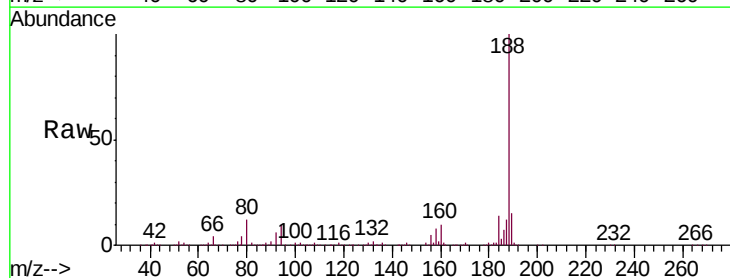
Tgt Ion: 188 Resp: 463648

Ion Ratio Lower Upper

188 100

94 10.5 8.1 12.1

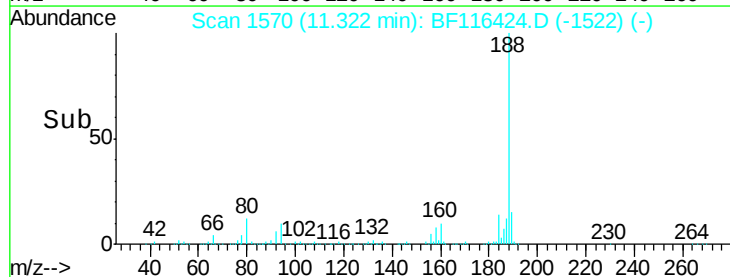
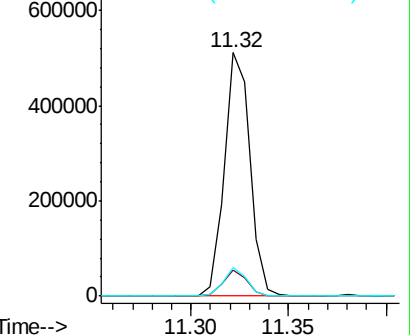
80 11.6 8.7 13.1

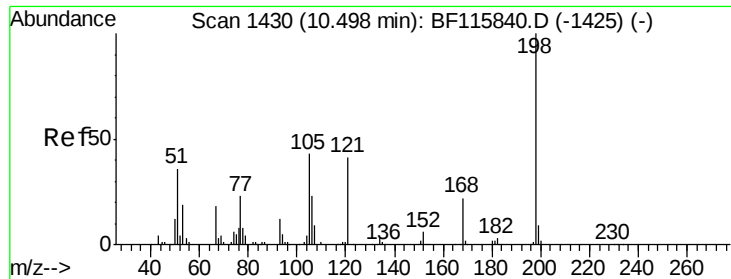


Abundance Ion 188.00 (187.70 to 188.70): BF1

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: 40.077 ng

RT: 10.46 min Scan# 1424

Delta R.T. -0.01 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

Instrument :

BNA_F

ClientSampleId :

PB122336BS

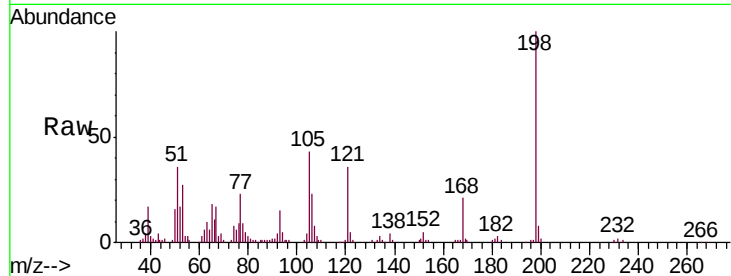
Tgt Ion:198 Resp: 98470

Ion Ratio Lower Upper

198 100

51 36.2 17.0 57.0

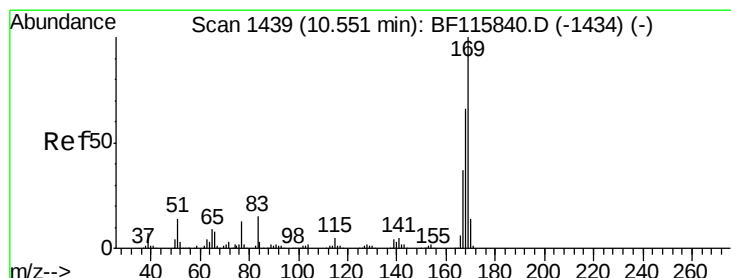
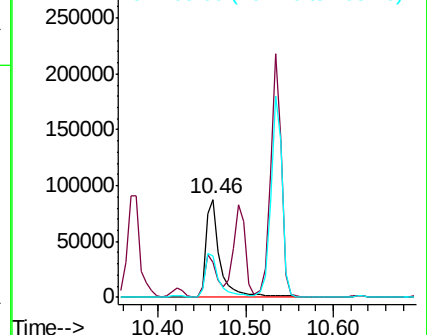
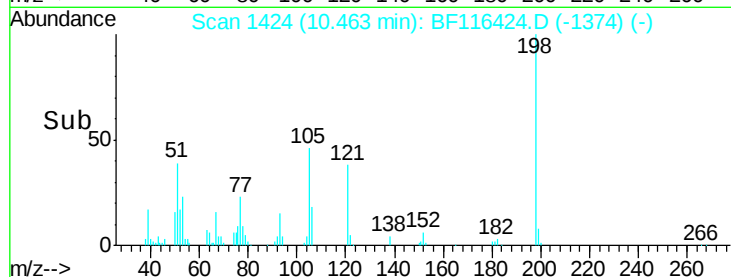
105 42.8 21.6 61.6



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 41.459 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.01 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

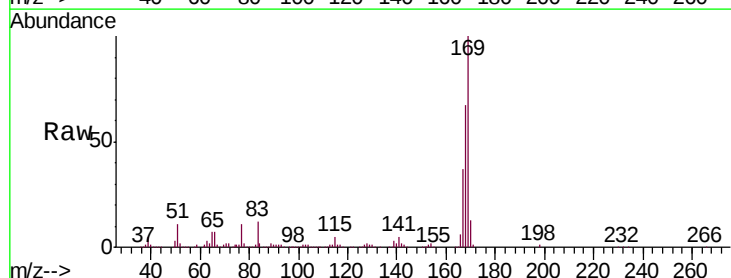
Tgt Ion:169 Resp: 578580

Ion Ratio Lower Upper

169 100

168 66.7 53.8 80.6

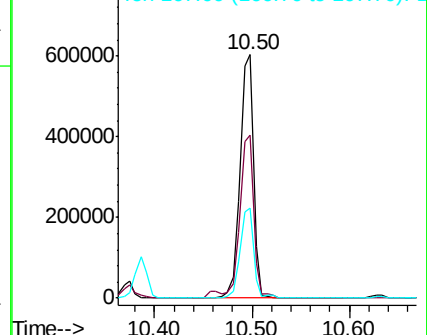
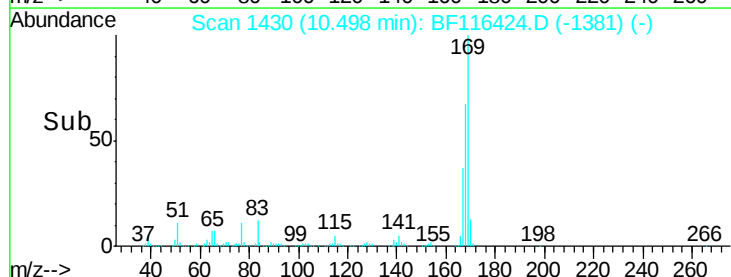
167 37.2 29.6 44.4

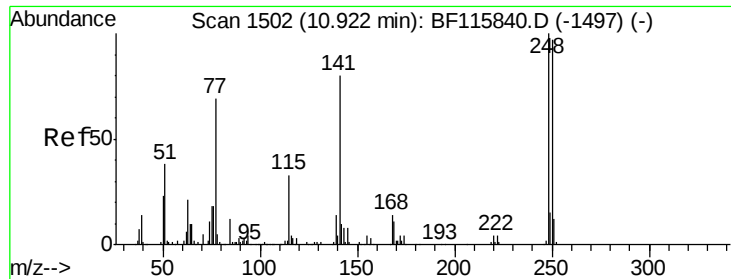


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

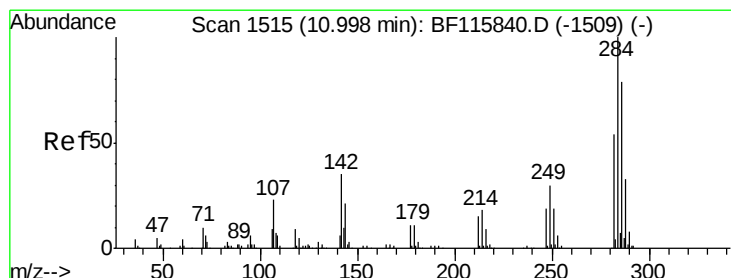
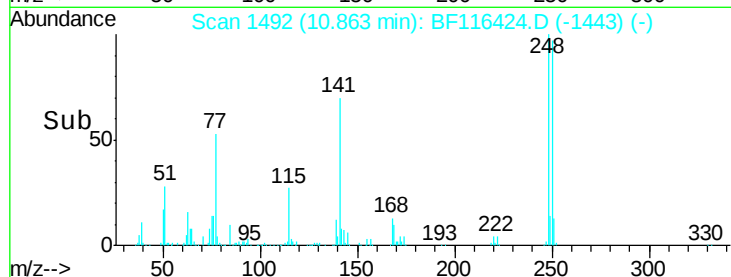
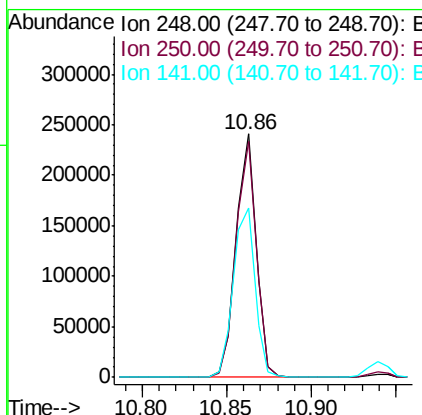
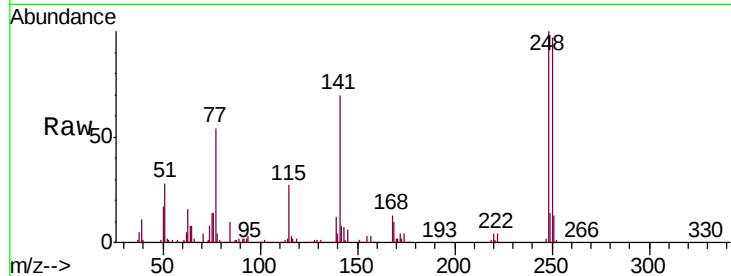




#67
 4-Bromophenyl-phenylether
 Concen: 40.218 ng
 RT: 10.86 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: BF116424.D
 Acq: 20 Aug 2019 10:23

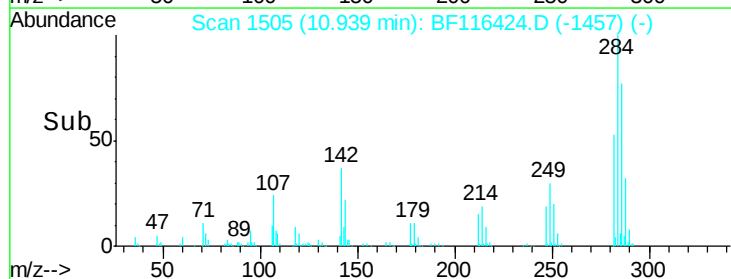
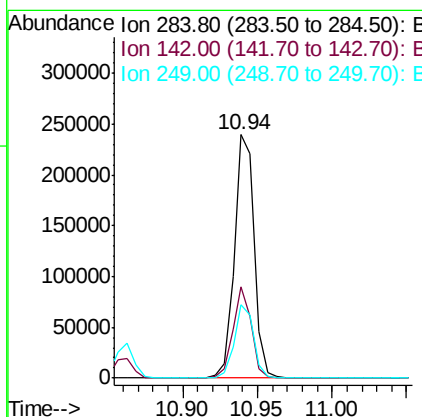
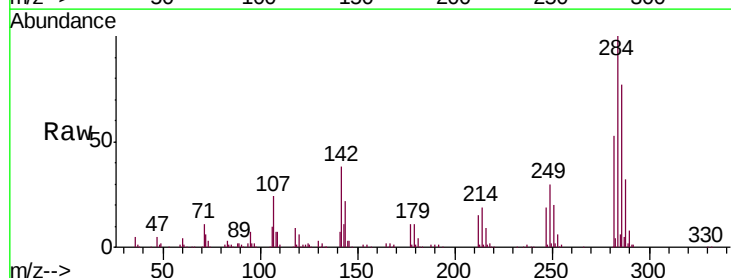
Instrument :
 BNA_F
 ClientSampleId :
 PB122336BS

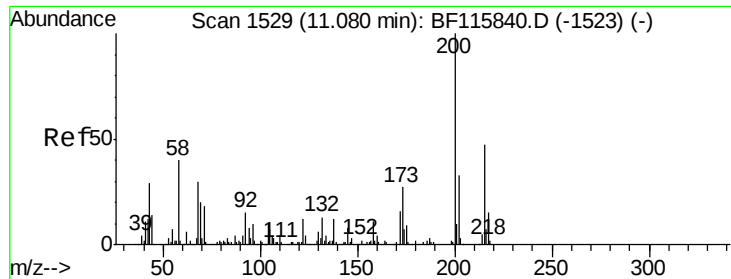
Tgt Ion	Ratio	Lower	Upper
248	100		
250	96.8	77.4	116.2
141	69.5	56.8	85.2



#68
 Hexachlorobenzene
 Concen: 38.894 ng
 RT: 10.94 min Scan# 1505
 Delta R.T. -0.02 min
 Lab File: BF116424.D
 Acq: 20 Aug 2019 10:23

Tgt Ion	Ratio	Lower	Upper
284	100		
142	37.8	28.4	42.6
249	30.2	24.5	36.7

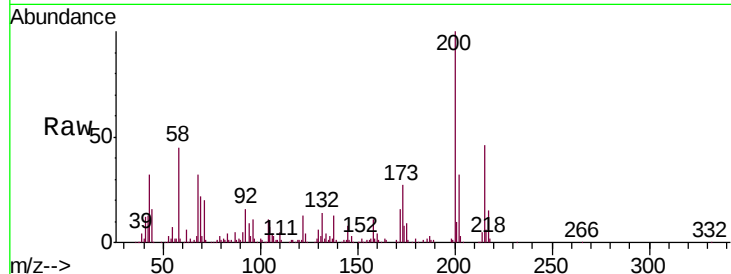




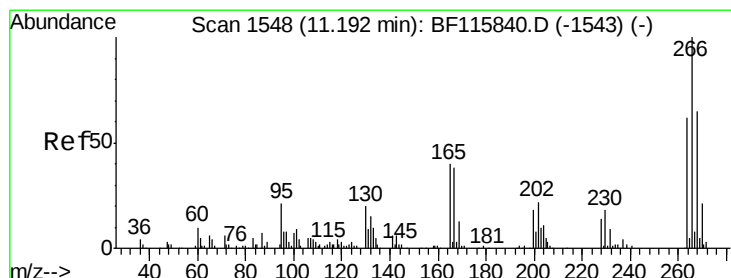
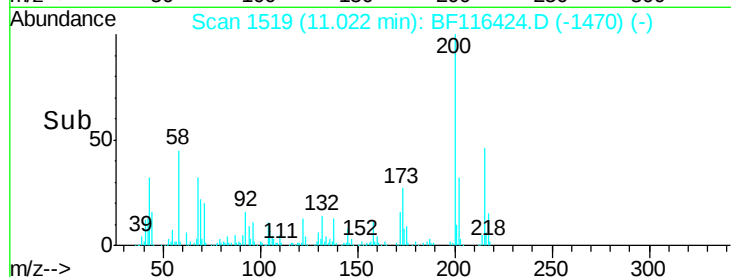
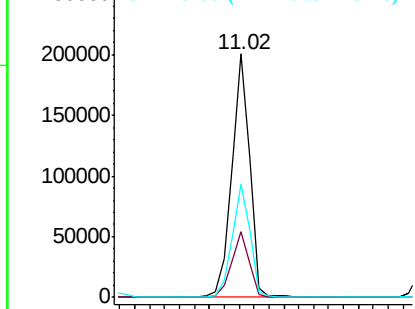
#69
 Atrazine
 Concen: 37.283 ng
 RT: 11.02 min Scan# 1519
 Delta R.T. -0.01 min
 Lab File: BF116424.D
 Acq: 20 Aug 2019 10:23

Instrument :
 BNA_F
 ClientSampleId :
 PB122336BS

Tgt Ion	Ratio	Lower	Upper
200	100		
173	27.1	6.8	46.8
215	46.3	27.5	67.5

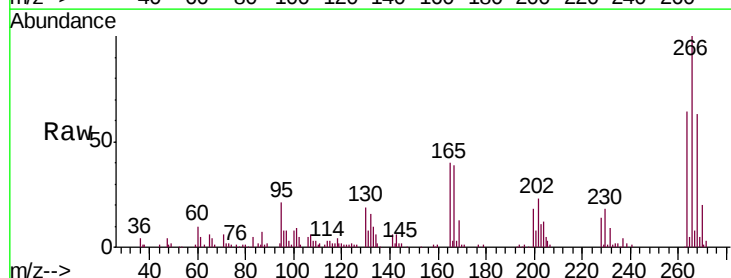


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

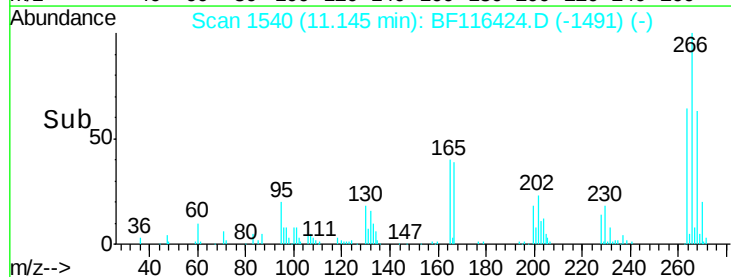
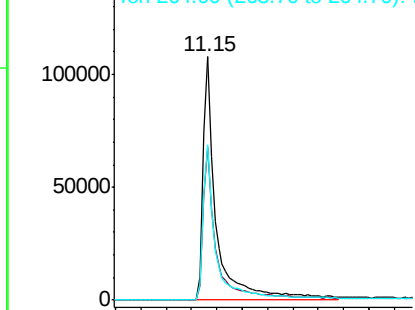


#70
 Pentachlorophenol
 Concen: 57.109 ng
 RT: 11.15 min Scan# 1540
 Delta R.T. -0.01 min
 Lab File: BF116424.D
 Acq: 20 Aug 2019 10:23

Tgt Ion	Ratio	Lower	Upper
266	100		
268	62.9	48.8	73.2
264	64.0	50.6	76.0



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 40.314 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

Instrument :

BNA_F

ClientSampleId :

PB122336BS

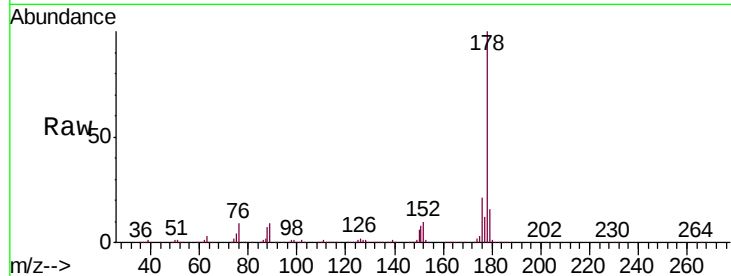
Tgt Ion:178 Resp: 955551

Ion Ratio Lower Upper

178 100

176 20.8 16.6 24.8

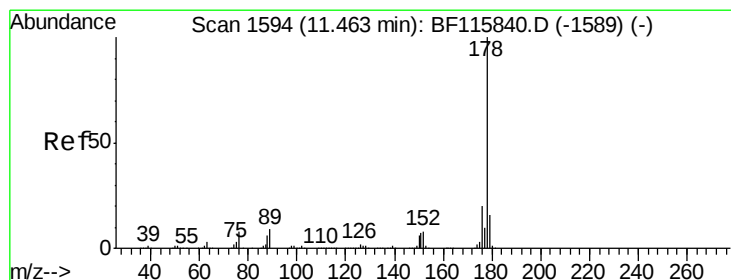
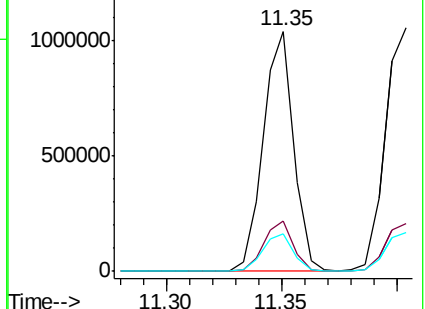
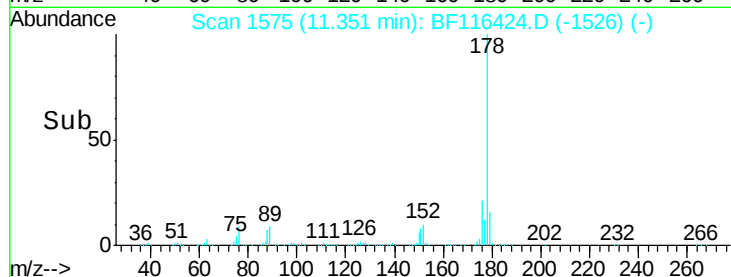
179 15.7 12.5 18.7



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: 40.563 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

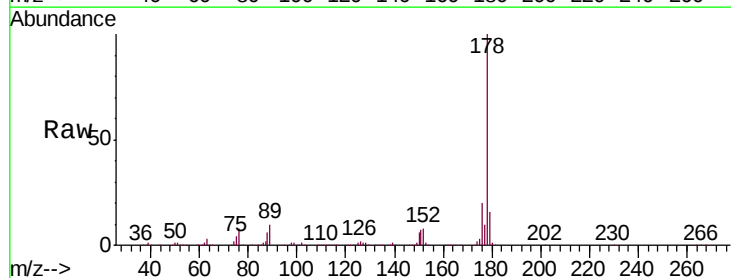
Tgt Ion:178 Resp: 973039

Ion Ratio Lower Upper

178 100

176 19.7 15.7 23.5

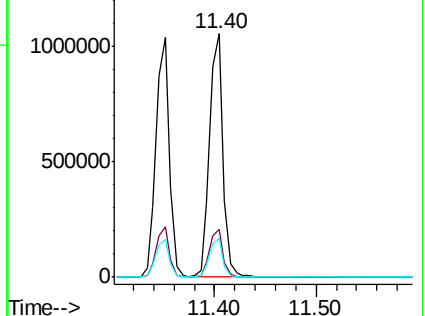
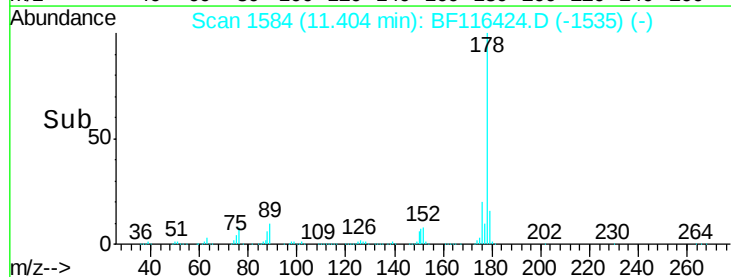
179 16.1 13.0 19.6

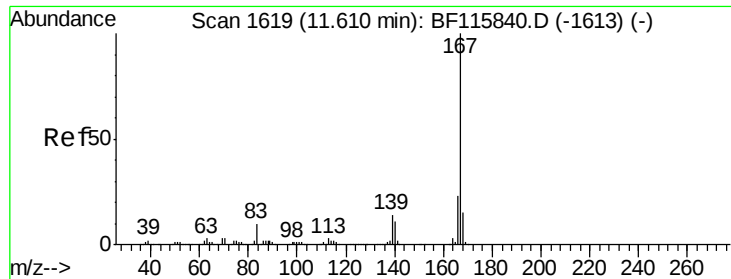


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

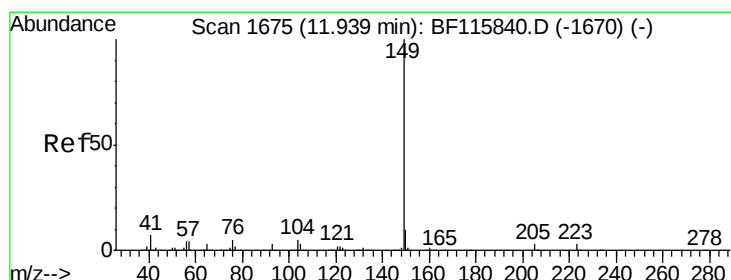
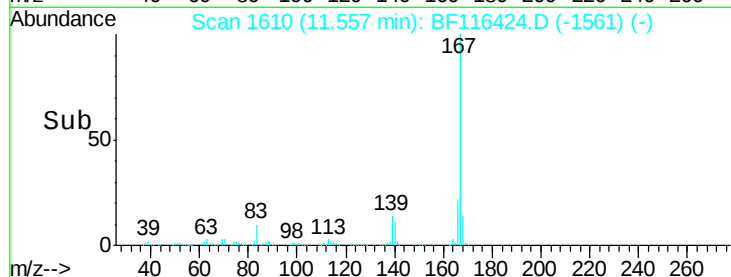
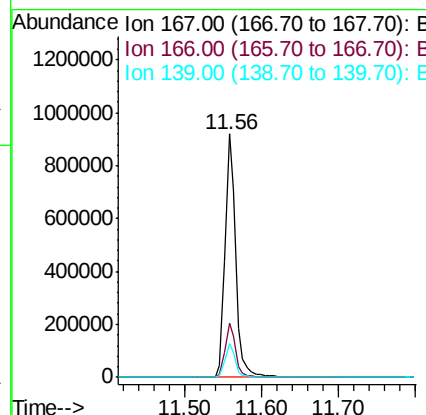
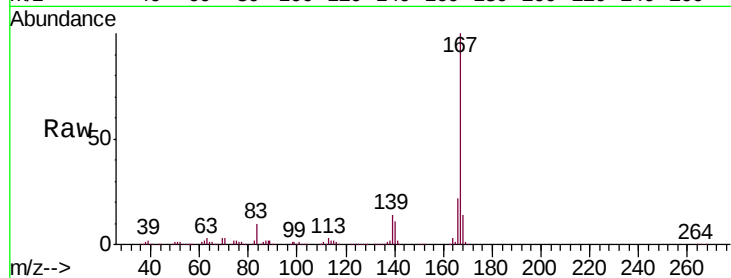




#73
 Carbazole
 Concen: 40.290 ng
 RT: 11.56 min Scan# 1610
 Delta R.T. -0.01 min
 Lab File: BF116424.D
 Acq: 20 Aug 2019 10:23

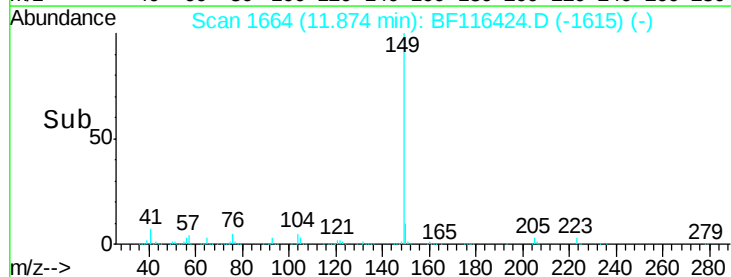
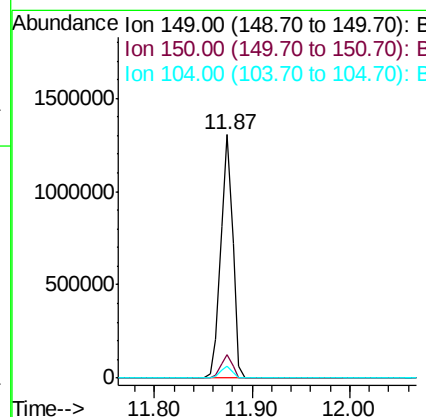
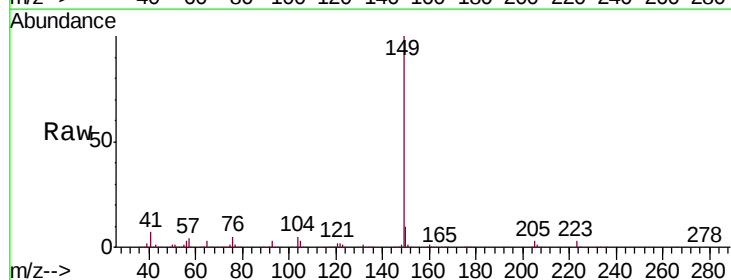
Instrument :
 BNA_F
 ClientSampleId :
 PB122336BS

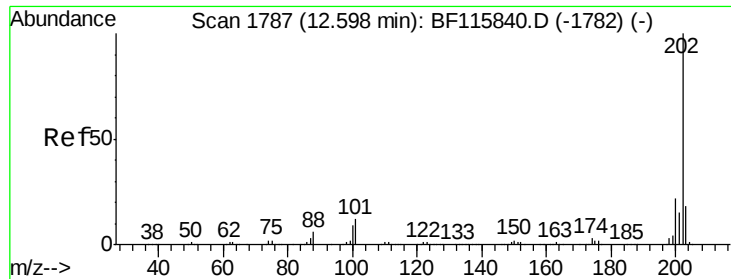
Tgt Ion:167 Resp: 876841
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.8 26.6
 139 14.0 11.4 17.0



#74
 Di-n-butylphthalate
 Concen: 43.843 ng
 RT: 11.87 min Scan# 1664
 Delta R.T. -0.01 min
 Lab File: BF116424.D
 Acq: 20 Aug 2019 10:23

Tgt Ion:149 Resp: 1113067
 Ion Ratio Lower Upper
 149 100
 150 9.6 8.0 12.0
 104 5.1 4.5 6.7

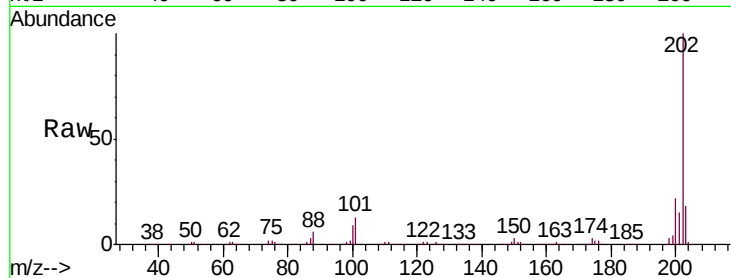




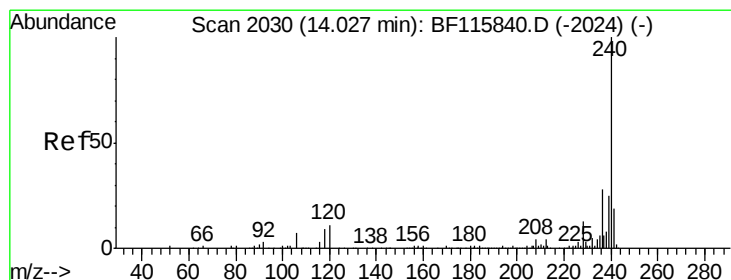
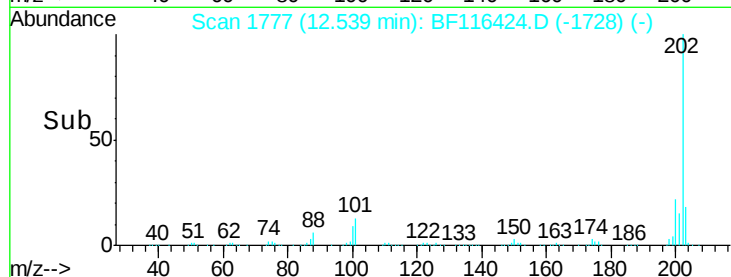
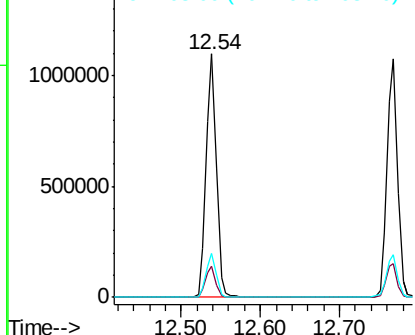
#75
 Fluoranthene
 Concen: 40.600 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. -0.01 min
 Lab File: BF116424.D
 Acq: 20 Aug 2019 10:23

Instrument :
 BNA_F
 ClientSampleId :
 PB122336BS

Tgt Ion: 202 Resp: 1007453
 Ion Ratio Lower Upper
 202 100
 101 12.6 0.0 31.2
 203 17.9 0.0 37.8

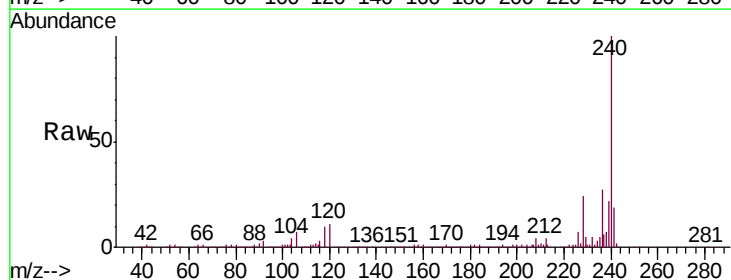


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

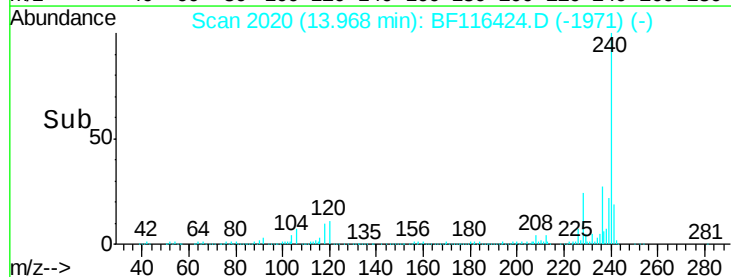
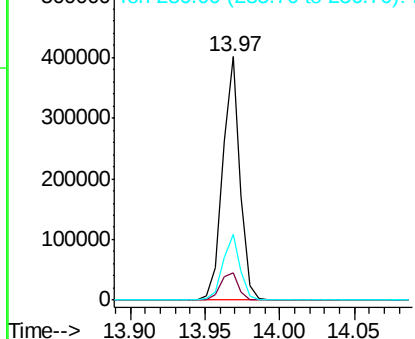


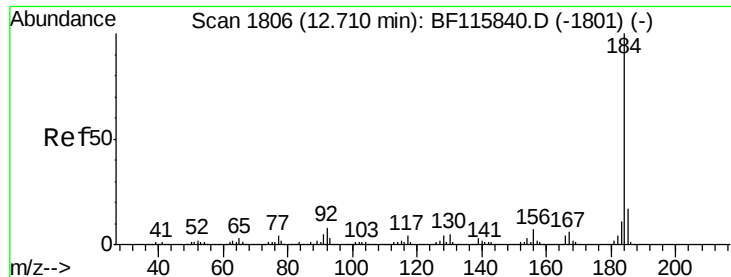
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF116424.D
 Acq: 20 Aug 2019 10:23

Tgt Ion: 240 Resp: 327970
 Ion Ratio Lower Upper
 240 100
 120 11.1 10.7 16.1
 236 27.1 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: 19.077 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.02 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

Instrument :

BNA_F

ClientSampleId :

PB122336BS

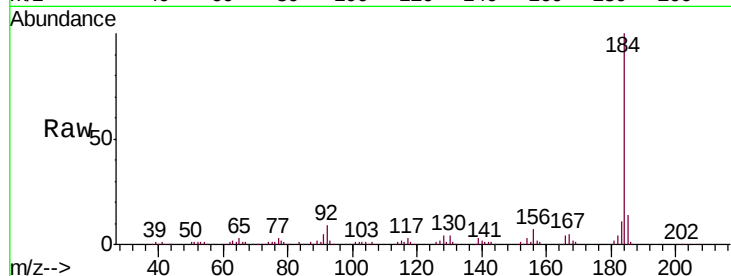
Tgt Ion:184 Resp: 211382

Ion Ratio Lower Upper

184 100

185 14.3 12.8 19.2

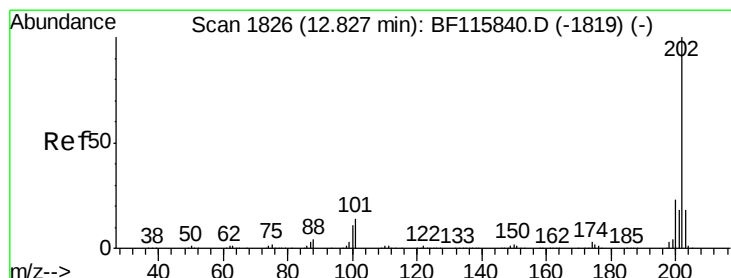
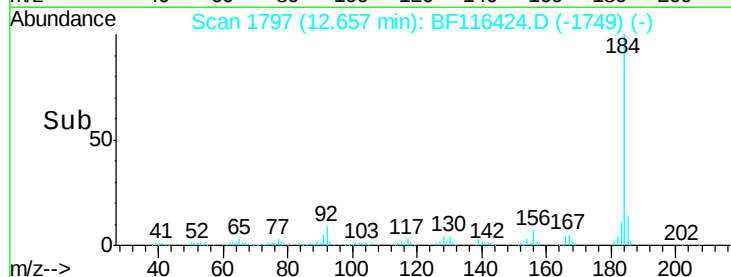
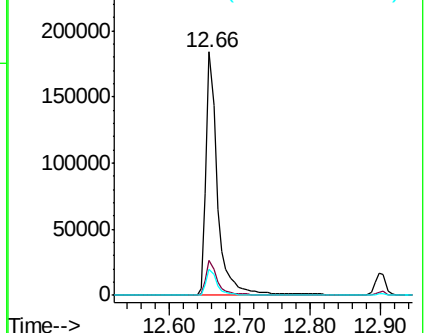
183 10.9 9.4 14.0



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: 40.940 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

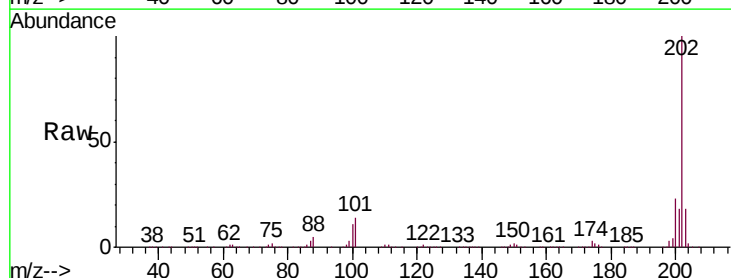
Tgt Ion:202 Resp: 1012152

Ion Ratio Lower Upper

202 100

200 22.6 18.0 27.0

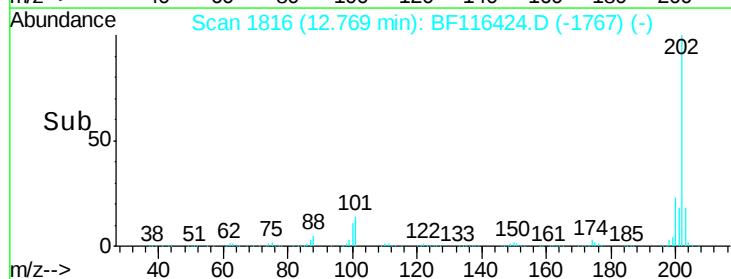
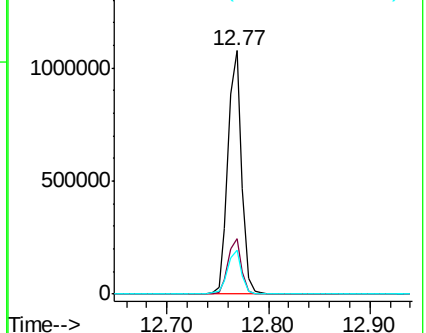
203 18.0 14.1 21.1



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: 80.500 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

Instrument :

BNA_F

ClientSampleId :

PB122336BS

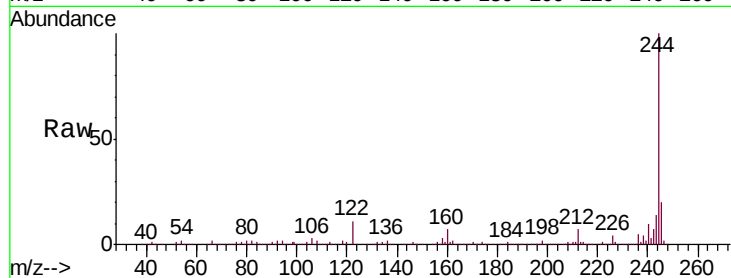
Tgt Ion:244 Resp: 1252939

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

122 10.5 9.0 13.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

12.90

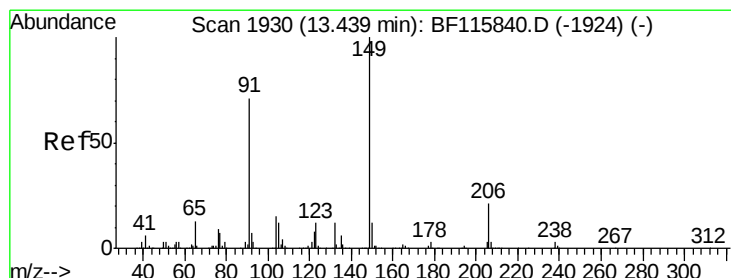
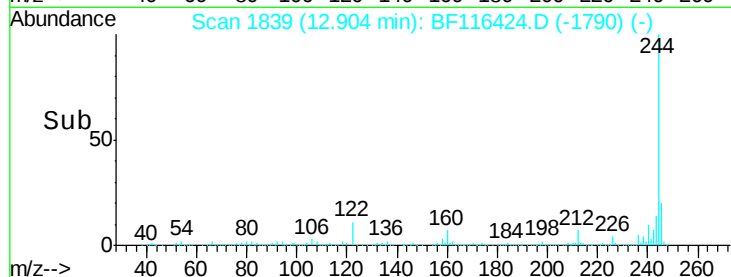
1500000

1000000

500000

0

Time--> 12.80 12.90 13.00



#80

Butylbenzylphthalate

Concen: 44.754 ng

RT: 13.37 min Scan# 1918

Delta R.T. -0.02 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

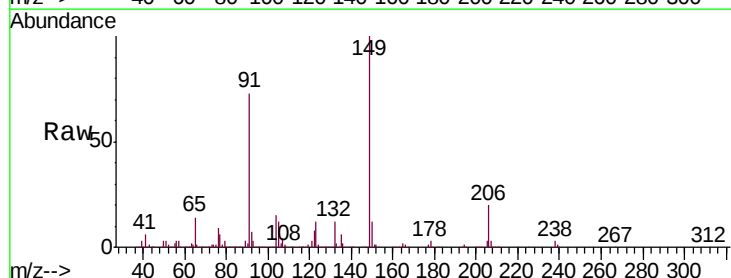
Tgt Ion:149 Resp: 468034

Ion Ratio Lower Upper

149 100

91 72.8 56.3 84.5

206 20.1 18.0 27.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

13.37

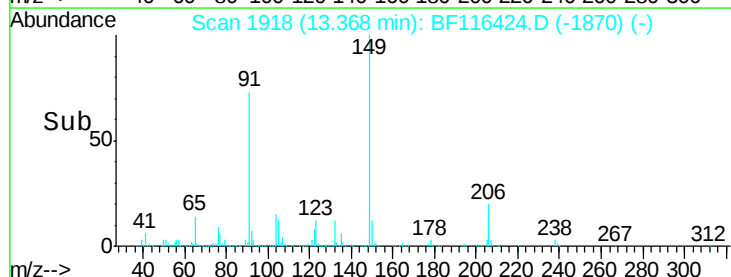
600000

400000

200000

0

Time--> 13.30 13.35 13.40





#81

Benzo(a)anthracene

Concen: 39.843 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

Instrument :

BNA_F

ClientSampleId :

PB122336BS

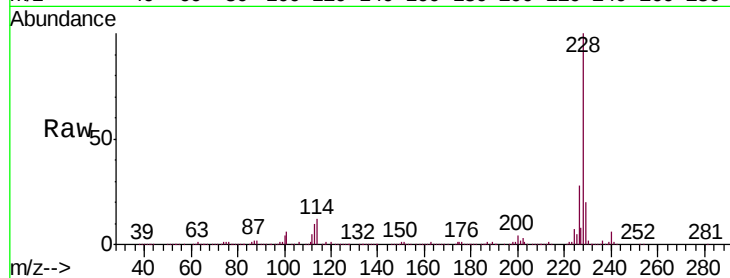
Tgt Ion:228 Resp: 835224

Ion Ratio Lower Upper

228 100

226 28.0 22.7 34.1

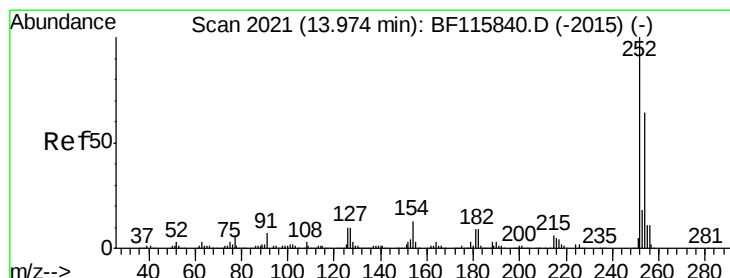
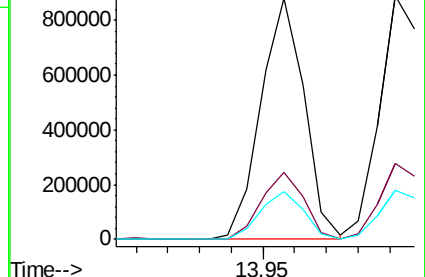
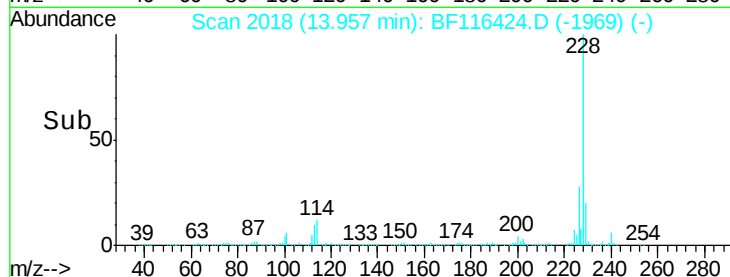
229 19.6 16.2 24.4



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: 35.513 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

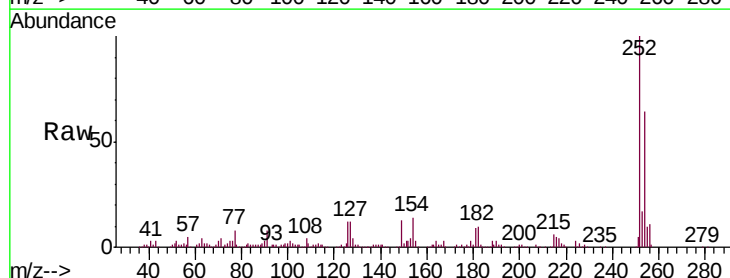
Tgt Ion:252 Resp: 258632

Ion Ratio Lower Upper

252 100

254 64.5 50.9 76.3

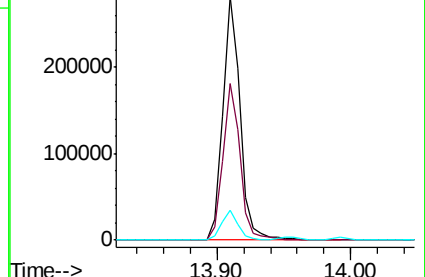
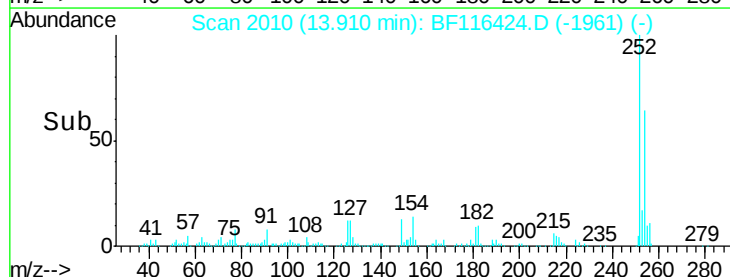
126 12.1 9.8 14.8

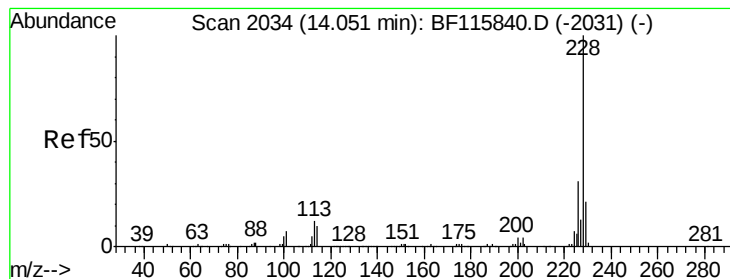


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 40.211 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

Instrument :

BNA_F

ClientSampleId :

PB122336BS

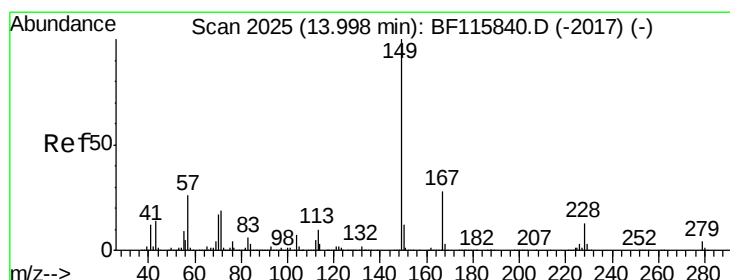
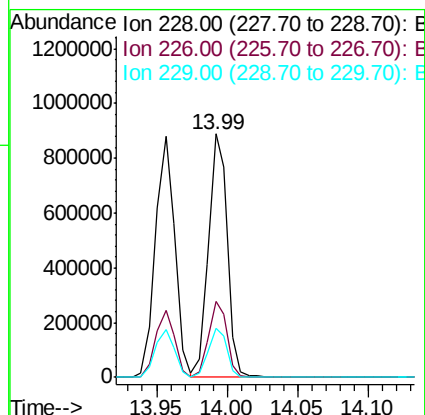
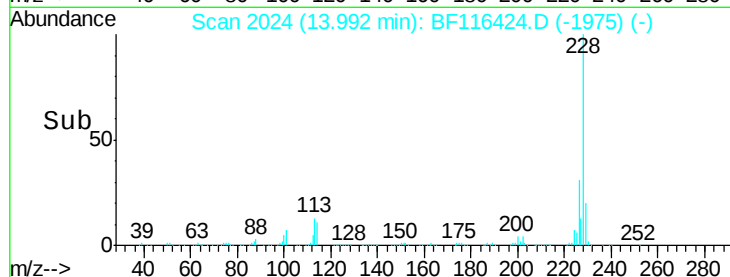
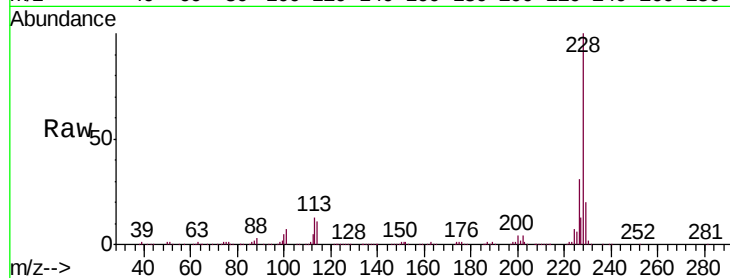
Tgt Ion:228 Resp: 818351

Ion Ratio Lower Upper

228 100

226 31.0 25.5 38.3

229 20.2 16.6 24.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.164 ng

RT: 13.93 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

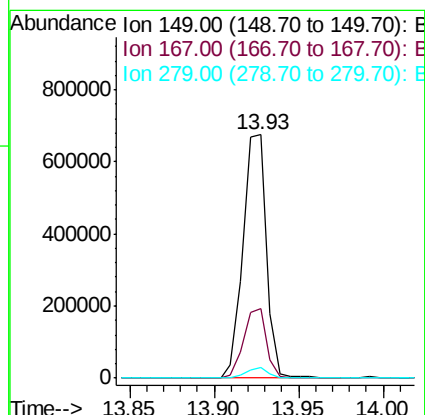
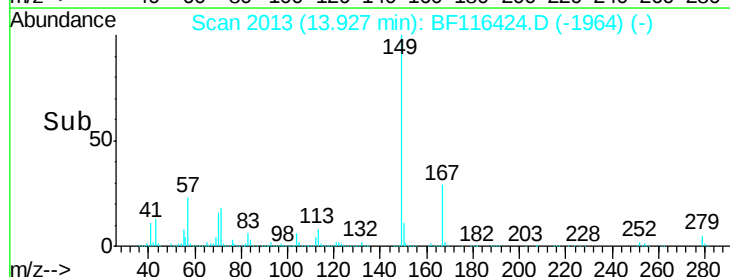
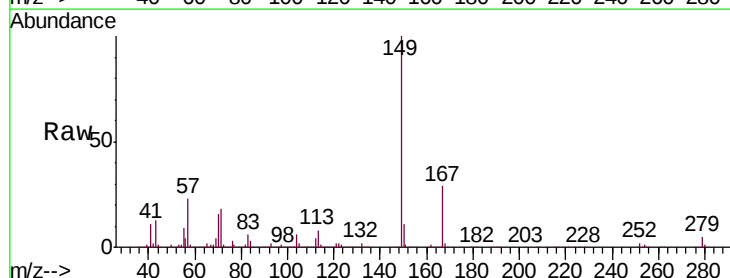
Tgt Ion:149 Resp: 654551

Ion Ratio Lower Upper

149 100

167 28.6 21.6 32.4

279 4.6 3.0 4.4#

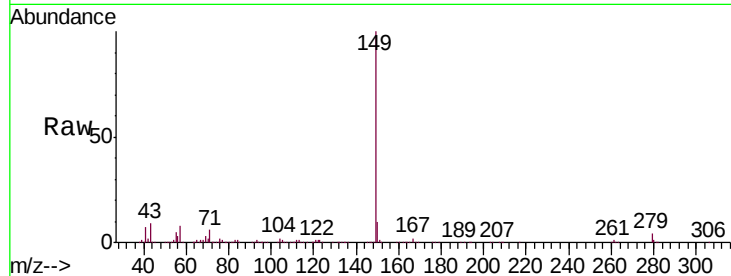




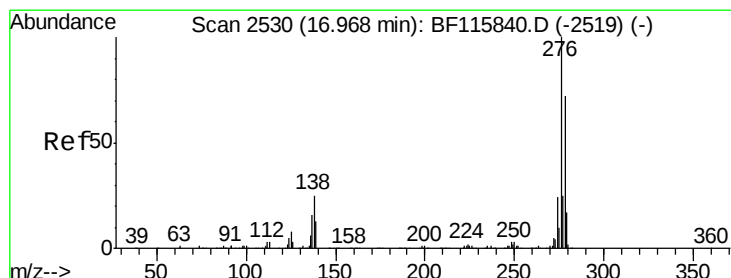
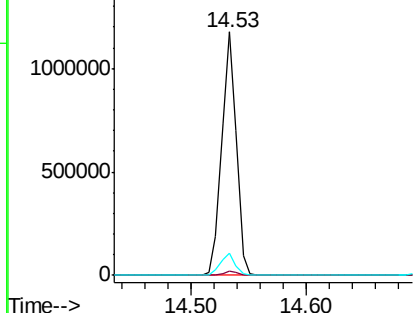
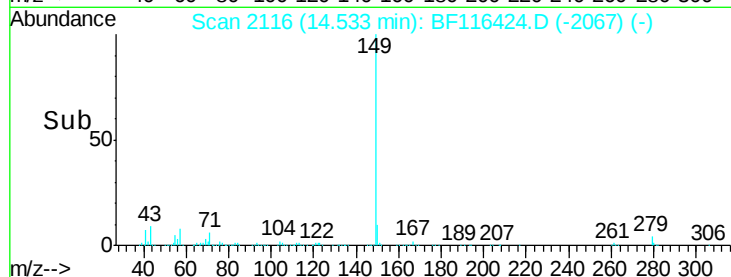
#85
Di-n-octyl phthalate
Concen: 48.165 ng
RT: 14.53 min Scan# 2116
Delta R.T. -0.01 min
Lab File: BF116424.D
Acq: 20 Aug 2019 10:23

Instrument :
BNA_F
ClientSampleId :
PB122336BS

Tgt Ion:149 Resp: 1039681
Ion Ratio Lower Upper
149 100
167 1.6 1.4 2.0
43 8.9 7.5 11.3

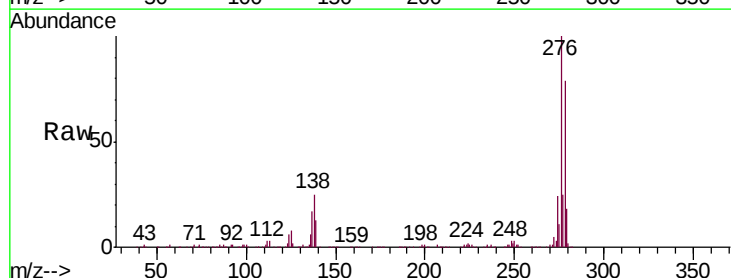


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

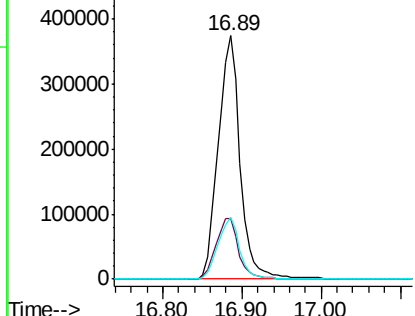
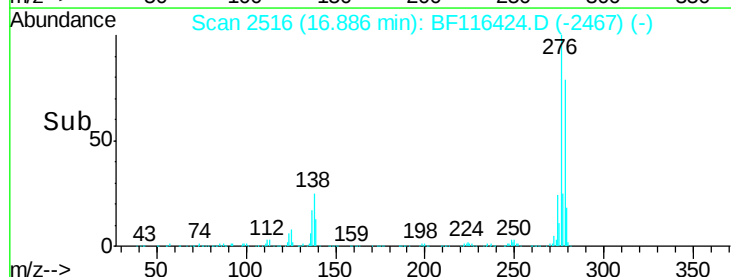


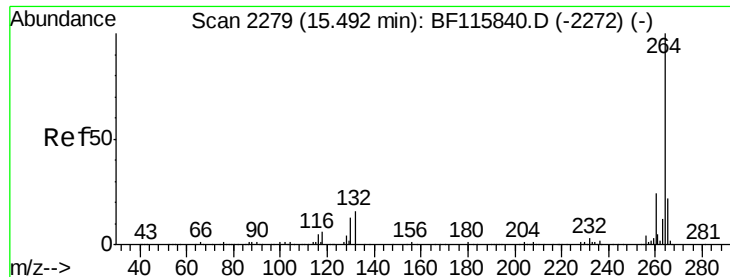
#86
Indeno(1,2,3-cd)pyrene
Concen: 41.856 ng
RT: 16.89 min Scan# 2516
Delta R.T. -0.01 min
Lab File: BF116424.D
Acq: 20 Aug 2019 10:23

Tgt Ion:276 Resp: 715454
Ion Ratio Lower Upper
276 100
138 26.0 20.4 30.6
277 25.2 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

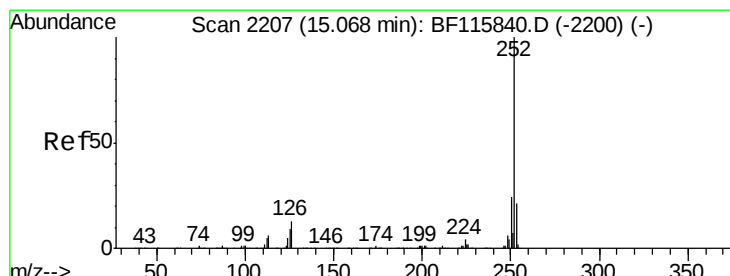
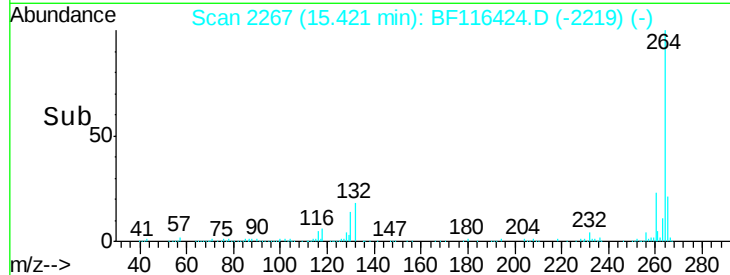
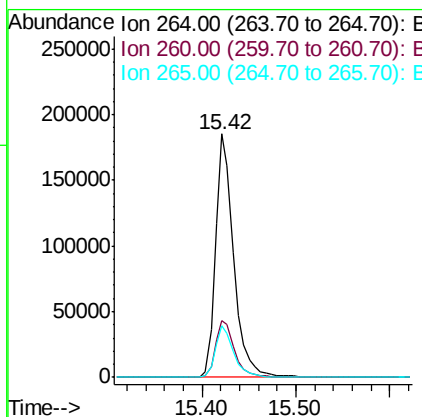
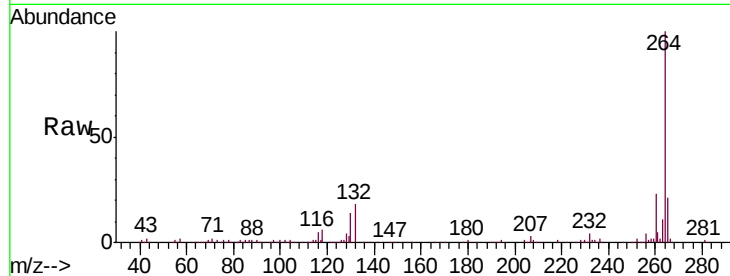




#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2267
 Delta R.T. -0.02 min
 Lab File: BF116424.D
 Acq: 20 Aug 2019 10:23

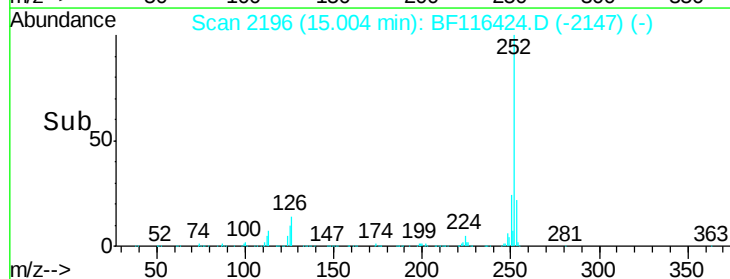
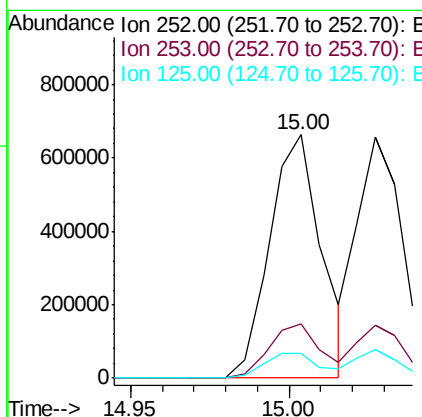
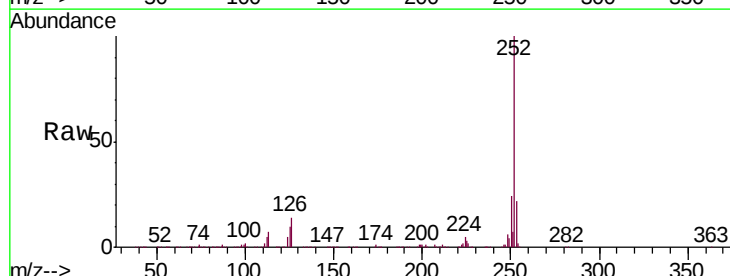
Instrument :
 BNA_F
 ClientSampleId :
 PB122336BS

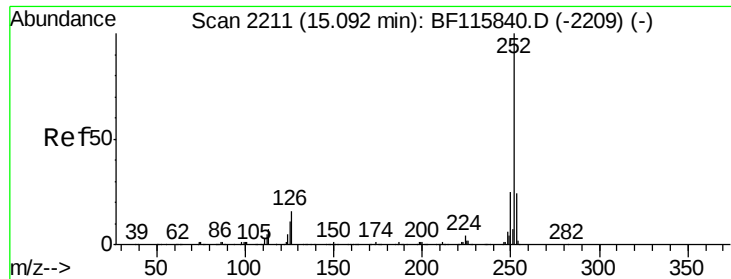
Tgt Ion: 264 Resp: 251151
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.7 29.5
 265 21.3 17.4 26.0



#88
 Benzo(b)fluoranthene
 Concen: 51.847 ng
 RT: 15.00 min Scan# 2196
 Delta R.T. -0.01 min
 Lab File: BF116424.D
 Acq: 20 Aug 2019 10:23

Tgt Ion: 252 Resp: 752913
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.8 26.8
 125 10.3 8.4 12.6





#89

Benzo(k)fluoranthene

Concen: 53.230 ng

RT: 15.00 min Scan# 2196

Delta R.T. -0.04 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

Instrument :

BNA_F

ClientSampleId :

PB122336BS

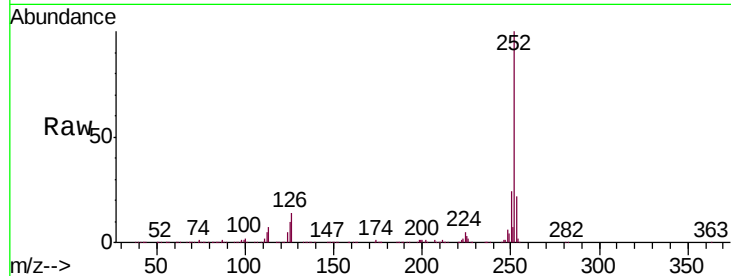
Tgt Ion:252 Resp: 752913

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

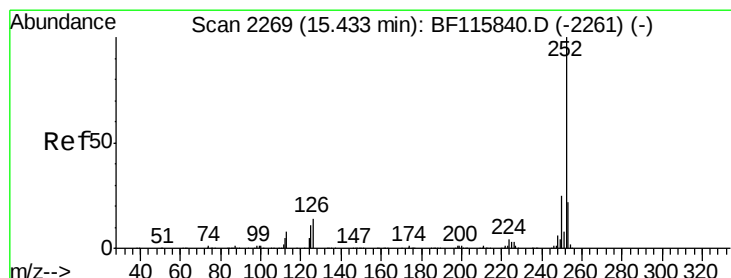
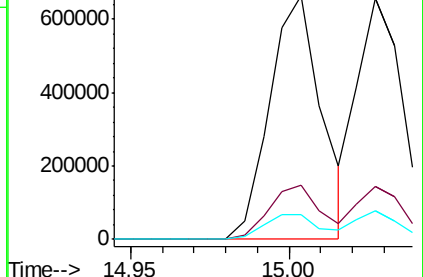
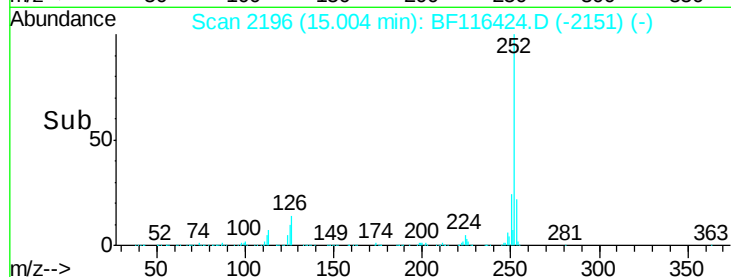
125 10.3 7.7 11.5



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 52.276 ng

RT: 15.36 min Scan# 2257

Delta R.T. -0.02 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

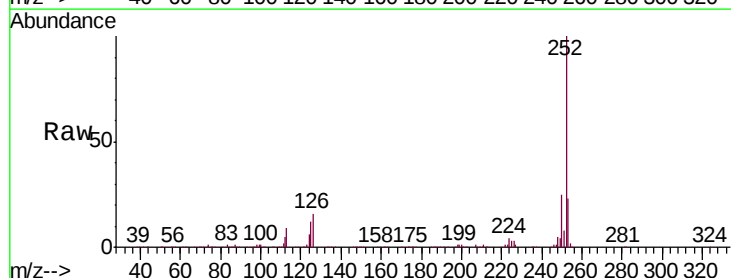
Tgt Ion:252 Resp: 678616

Ion Ratio Lower Upper

252 100

253 22.6 18.0 27.0

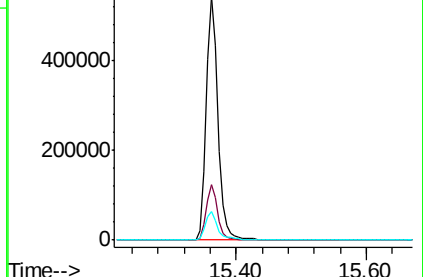
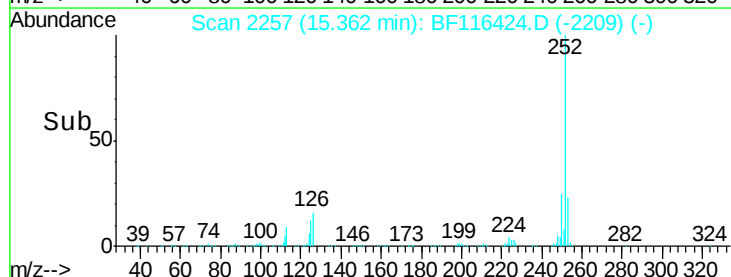
125 11.9 8.9 13.3



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 54.674 ng

RT: 16.88 min Scan# 2515

Delta R.T. -0.02 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

Instrument :

BNA_F

ClientSampleId :

PB122336BS

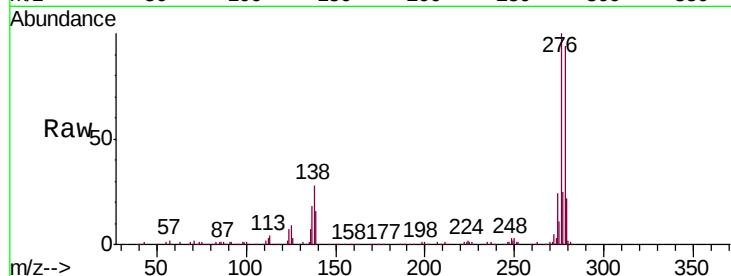
Tgt Ion:278 Resp: 614362

Ion Ratio Lower Upper

278 100

139 17.0 12.8 19.2

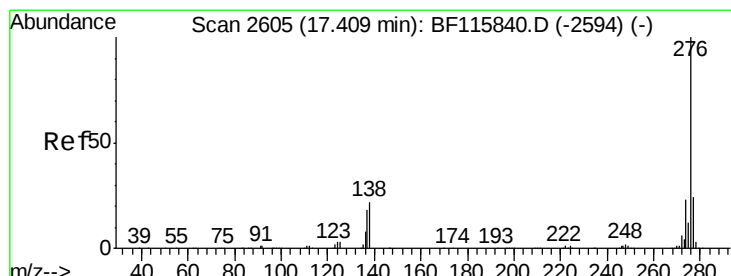
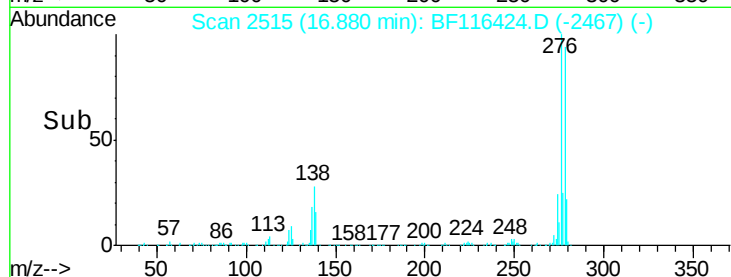
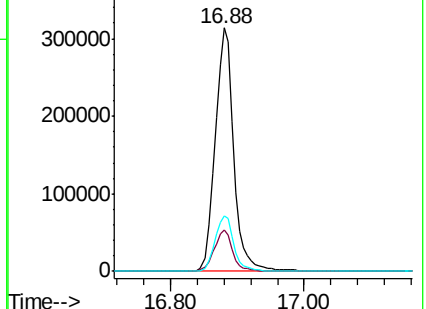
279 22.8 18.8 28.2



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: 55.004 ng

RT: 17.32 min Scan# 2590

Delta R.T. -0.02 min

Lab File: BF116424.D

Acq: 20 Aug 2019 10:23

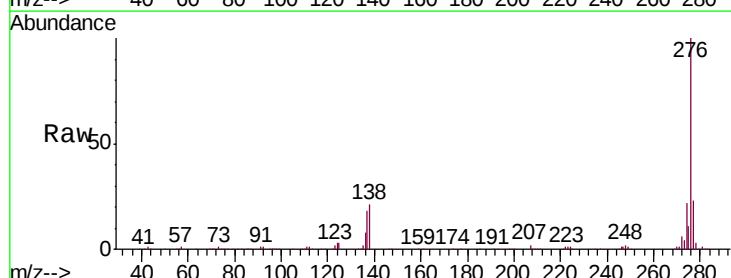
Tgt Ion:276 Resp: 607003

Ion Ratio Lower Upper

276 100

277 23.2 18.4 27.6

138 21.5 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

