

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
 Data File : BF113734.D
 Acq On : 11 Apr 2019 21:54
 Operator : JU/SJ
 Sample : K2358-11
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 12 01:03:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	114707	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	431200	20.00	ng	-0.02
39) Acenaphthene-d10	9.70	164	206131	20.00	ng	-0.02
64) Phenanthrene-d10	11.19	188	387356	20.00	ng	-0.02
76) Chrysene-d12	13.83	240	305115	20.00	ng	-0.02
87) Perylene-d12	15.24	264	324925	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	680980	101.23	ng	-0.01
7) Phenol-d6	6.33	99	904751	109.13	ng	-0.01
23) Nitrobenzene-d5	7.24	82	523435	71.10	ng	-0.02
42) 2,4,6-Tribromophenol	10.49	330	249374	100.71	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	804398	62.82	ng	-0.02
79) Terphenyl-d14	12.76	244	726452	48.48	ng	-0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.13	88	110	0.035	ng	# 20
3) Pyridine	3.07	79	125	0.015	ng	# 20
6) Aniline	6.45	93	1025	0.102	ng	# 1
9) Benzaldehyde	6.27	77	831	0.169	ng	# 80
10) Phenol	6.34	94	4819	0.509	ng	# 1
11) bis(2-Chloroethyl)ether	6.45	93	1025	0.139	ng	# 1
15) Benzyl Alcohol	6.83	79	7477	1.334	ng	# 44
17) 2-Methylphenol	7.21	107	814	0.135	ng	# 60
18) Hexachloroethane	6.92	117	114	0.037	ng	# 1
19) n-Nitroso-di-n-propylamine	7.24	70	65909	12.892	ng	# 76
20) 3+4-Methylphenols	7.21	107	937	0.128	ng	# 78
22) Acetophenone	7.11	105	1492	0.158	ng	# 71
24) Nitrobenzene	7.24	77	1852	0.244	ng	# 37
25) Isophorone	7.24	82	523433	36.911	ng	# 64
31) Naphthalene	7.97	128	44089	2.110	ng	100
33) 4-Chloroaniline	7.97	127	5402	0.652	ng	# 34
36) 4-Chloro-3-methylphenol	8.37	107	1109	0.177	ng	# 18
37) 2-Methylnaphthalene	8.77	142	2862	0.208	ng	# 96
38) 1-Methylnaphthalene	8.77	142	2862	0.216	ng	# 98
46) 1,1'-Biphenyl	9.13	154	3169	0.186	ng	# 95
47) 2-Chloronaphthalene	9.43	162	834	0.065	ng	# 1
48) 2-Nitroaniline	9.22	65	131	0.033	ng	# 2
49) Acenaphthylene	9.57	152	26312	1.256	ng	# 97
50) Dimethylphthalate	9.43	163	138162	9.093	ng	# 99
51) 2,6-Dinitrotoluene	9.42	165	1323	0.395	ng	# 1
52) Acenaphthene	9.73	154	9542	0.796	ng	# 99
55) Dibenzofuran	9.92	168	14411	0.820	ng	# 92
56) 4-Nitrophenol	9.92	139	4992	2.113	ng	# 7
57) 2,4-Dinitrotoluene	9.70	165	26315	6.496	ng	# 23
58) Fluorene	10.25	166	17253	1.240	ng	# 99
60) Diethylphthalate	10.12	149	287	0.020	ng	# 59
63) Azobenzene	10.42	77	1416	0.102	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.49	198	401	0.197	ng	# 1
66) n-Nitrosodiphenylamine	10.62	169	3240	0.272	ng	# 91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

67) 4-Bromophenyl-phenylether	10.49	248	13646	3.141	nq	# 1
71) Phenanthrene	11.21	178	410509	21.327	nq	98
72) Anthracene	11.26	178	115742	5.910	nq	99
73) Carbazole	11.43	167	38252	2.088	nq	99
74) Di-n-butylphthalate	11.75	149	1495	0.069	nq	# 55
75) Fluoranthene	12.40	202	1290838	62.584	nq	98
77) Benzidine	12.55	184	386	0.034	nq	# 1
78) Pyrene	12.63	202	1404002	60.476	nq	100
80) Butylbenzylphthalate	13.27	149	1636	0.173	nq	# 57
81) Benzo(a)anthracene	13.82	228	1272795	72.315	nq	97
82) 3,3'-Dichlorobenzidine	13.80	252	658	0.097	nq	# 43
83) Chrysene	13.86	228	1146624	64.265	nq	98
84) Bis(2-ethylhexyl)phthalate	13.82	149	5243	0.459	nq	# 90
85) Di-n-octyl phthalate	14.42	149	1770	0.095	nq	# 1
86) Indeno(1,2,3-cd)pyrene	16.60	276	729218	44.267	nq	96
88) Benzo(b)fluoranthene	14.85	252	2222680	111.752	nq	97
89) Benzo(k)fluoranthene	14.85	252	2222121	124.486	nq	# 96
90) Benzo(a)pyrene	15.19	252	1233246	69.778	nq	97
91) Dibenzo(a,h)anthracene	16.74	278	174261	10.544	nq	97
92) Benzo(g,h,i)perylene	17.02	276	694335	41.159	nq	98

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

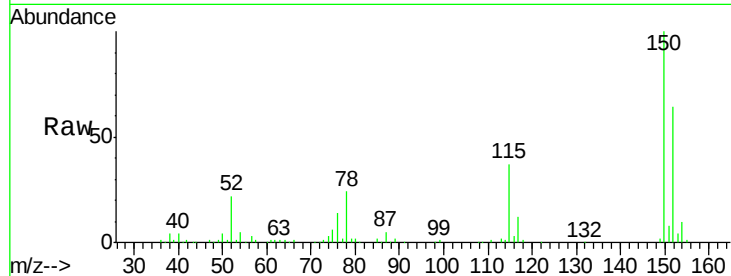


#1

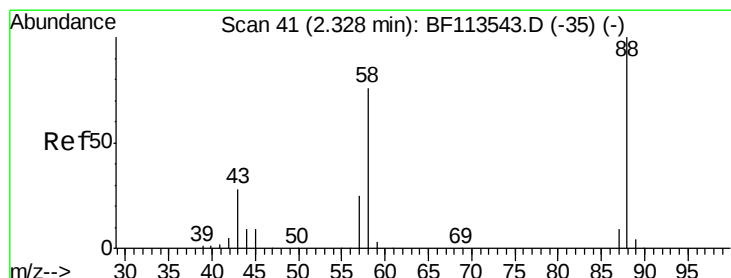
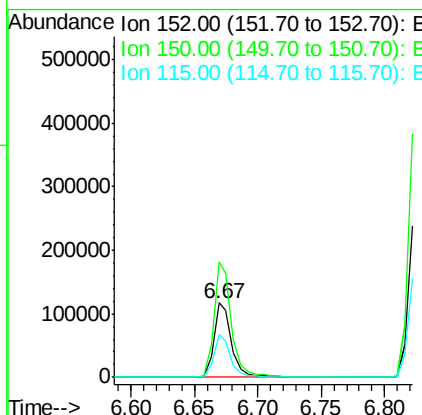
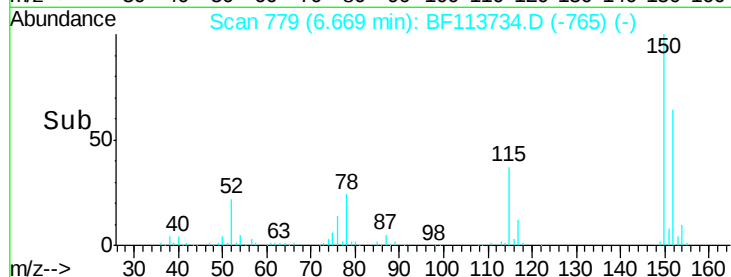
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. -0.02 min
Lab File: BF113734.D
Acq: 11 Apr 2019 21:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 114707
Ion Ratio Lower Upper
152 100
150 156.0 124.7 187.1
115 58.0 46.0 69.0



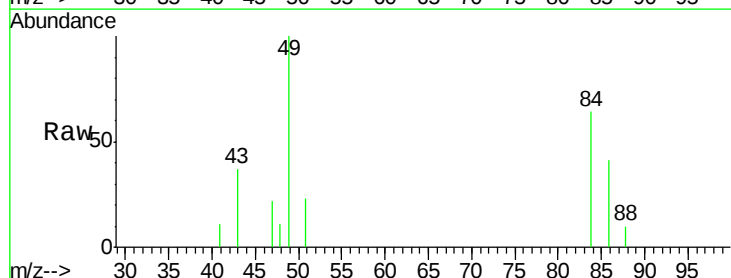
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



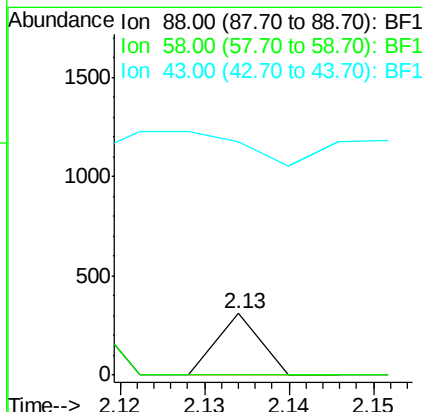
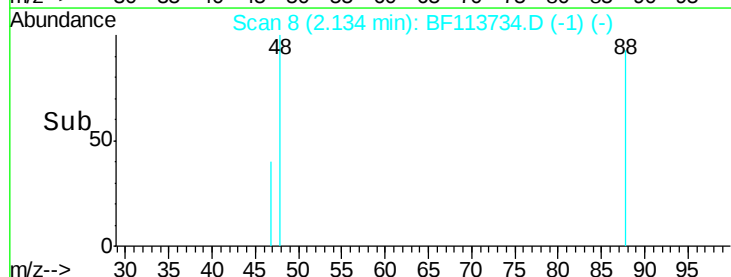
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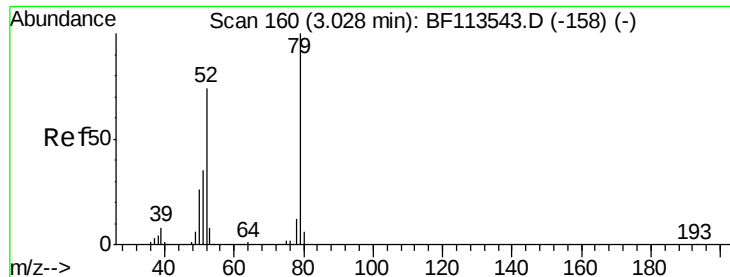
1,4-Dioxane
Concen: 0.035 ng
RT: 2.13 min Scan# 8
Delta R.T. -0.19 min
Lab File: BF113734.D
Acq: 11 Apr 2019 21:54

Tgt Ion: 88 Resp: 110
Ion Ratio Lower Upper
88 100
58 0.0 61.9 92.9#
43 0.0 24.2 36.4#



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

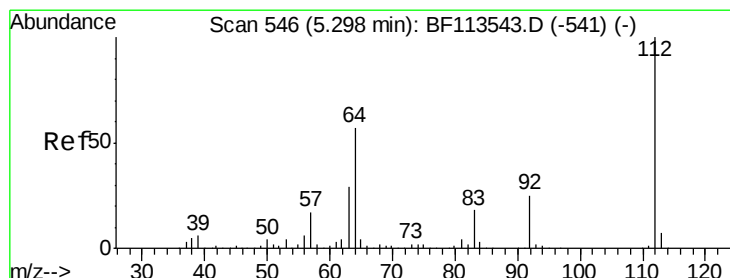
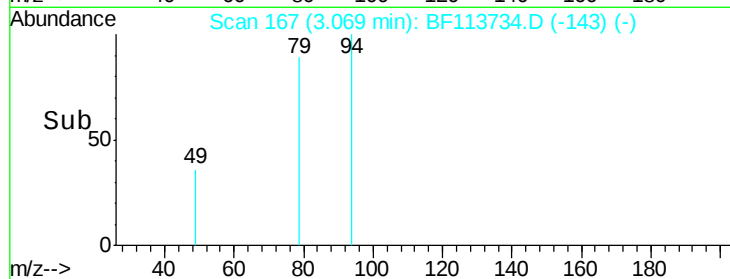
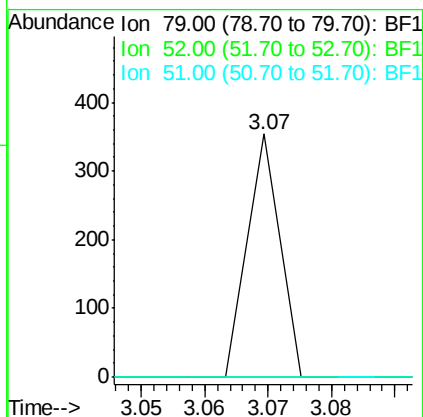
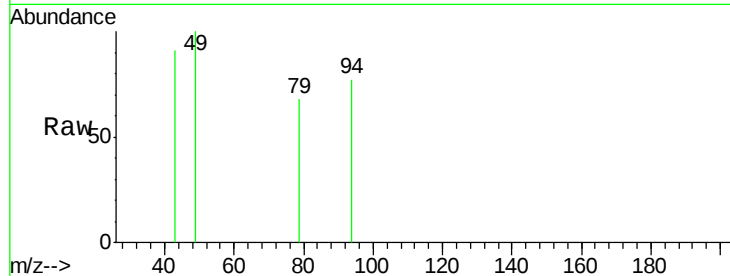




#3
 Pvridine
 Concen: 0.015 ng
 RT: 3.07 min Scan# 167
 Delta R.T. 0.04 min
 Lab File: BF113734.D
 Acq: 11 Apr 2019 21:54

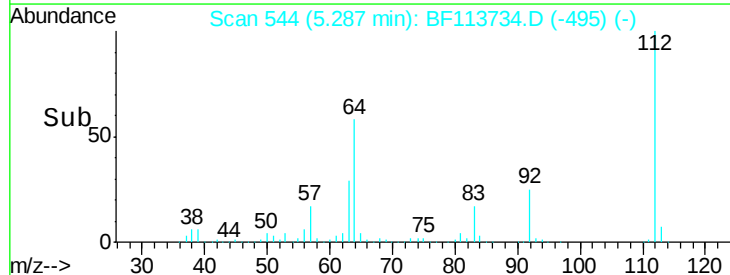
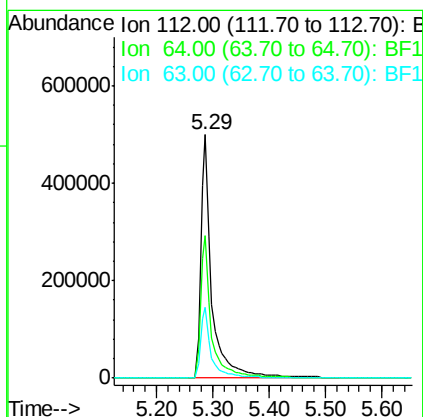
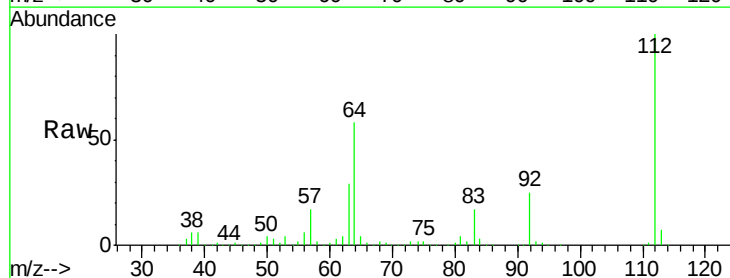
Instrument :
 BNA_F
 ClientSampleId :

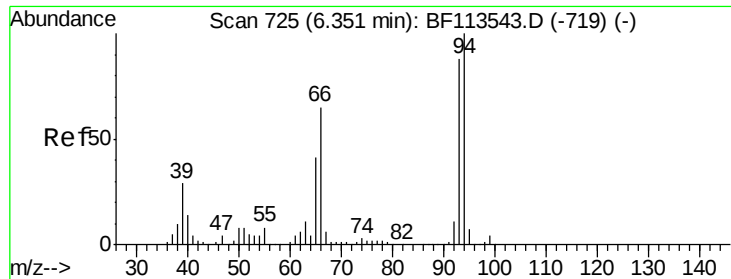
Tot Ion: 79 Resp: 125
 Ion Ratio Lower Upper
 79 100
 52 0.0 61.0 91.4#
 51 0.0 30.6 45.8#



#5
 2-Fluorophenol
 Concen: 101.234 ng
 RT: 5.29 min Scan# 544
 Delta R.T. -0.01 min
 Lab File: BF113734.D
 Acq: 11 Apr 2019 21:54

Tgt Ion: 112 Resp: 680980
 Ion Ratio Lower Upper
 112 100
 64 58.3 49.2 73.8
 63 28.9 24.9 37.3





#6

Aniline

Concen: 0.102 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.09 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

Instrument :

BNA_F

ClientSampleId :

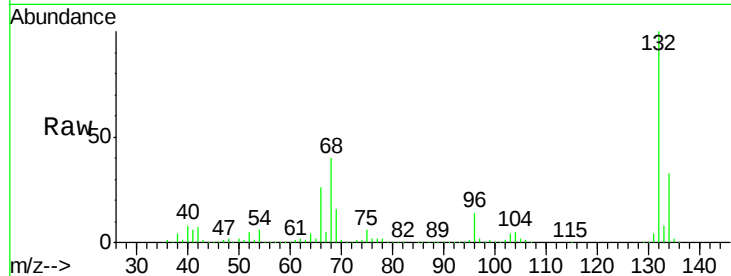
Tot Ion: 93 Resp: 1025

Ion Ratio Lower Upper

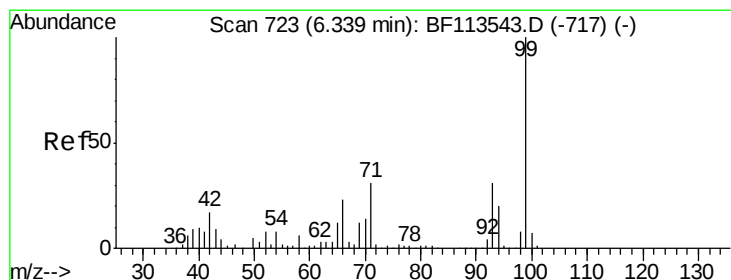
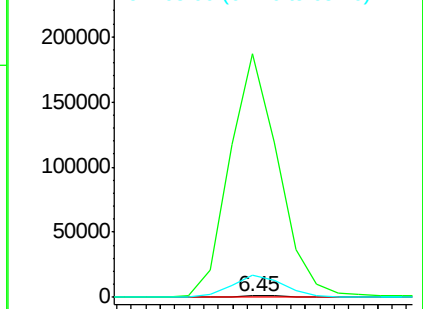
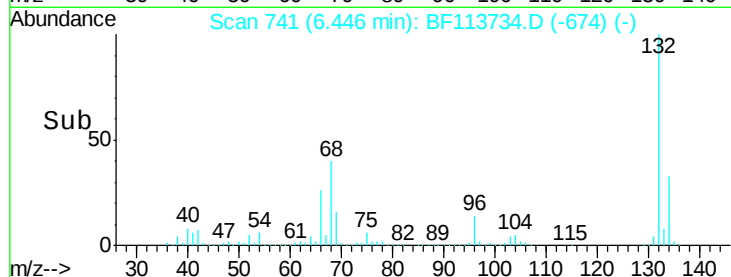
93 100

66 18102.3 62.1 93.1#

65 1603.9 38.7 58.1#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1



#7

Phenol-d6

Concen: 109.127 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

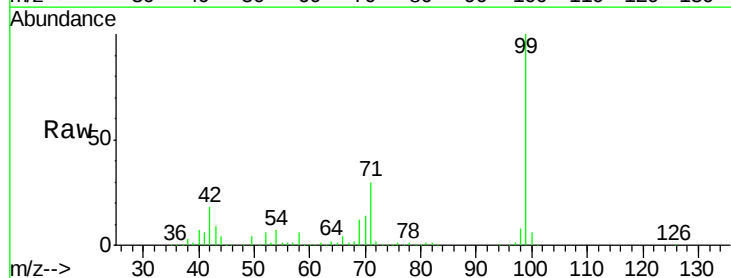
Tgt Ion: 99 Resp: 904751

Ion Ratio Lower Upper

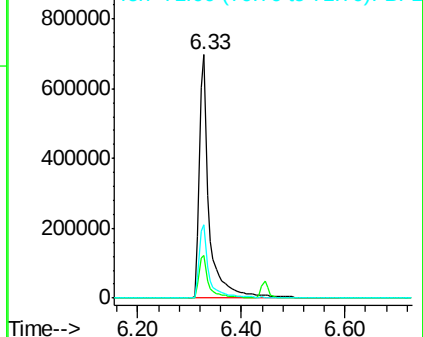
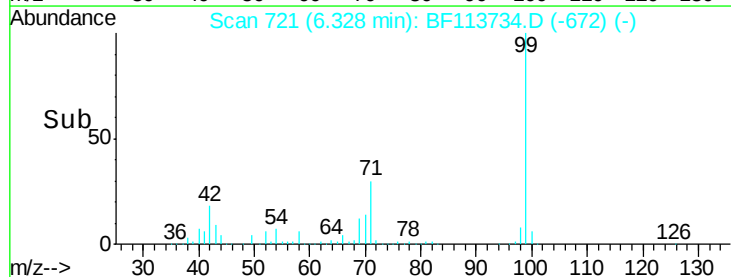
99 100

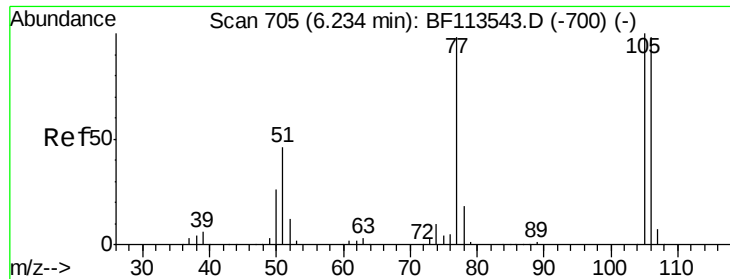
42 17.6 14.8 22.2

71 30.4 24.9 37.3



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

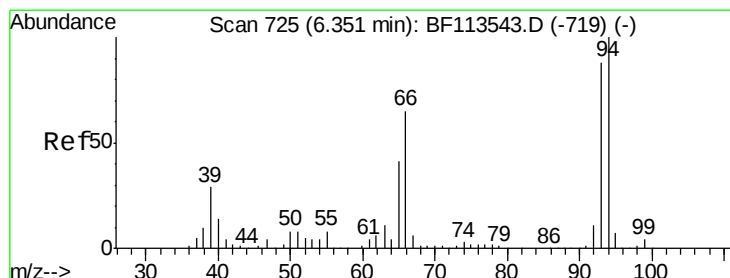
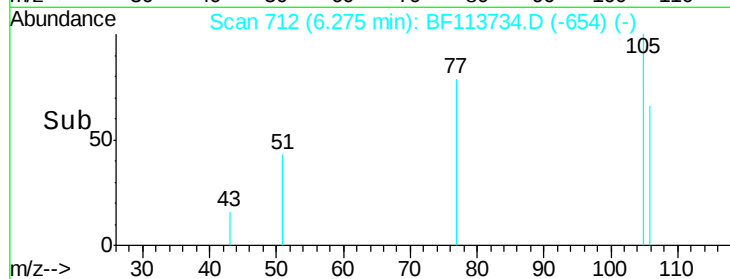
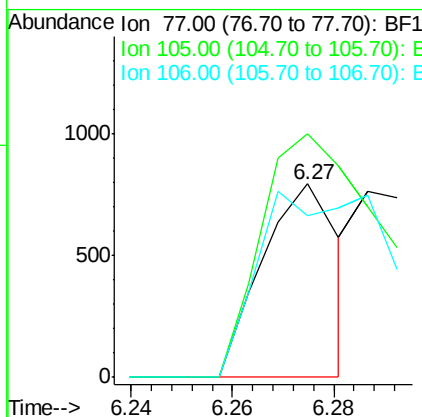
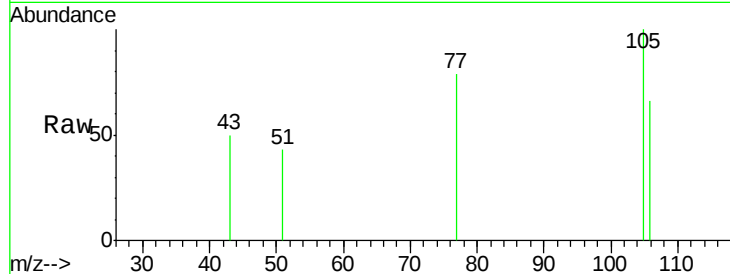




#9
Benzaldehyde
Concen: 0.169 ng
RT: 6.27 min Scan# 712
Delta R.T. 0.04 min
Lab File: BF113734.D
Acq: 11 Apr 2019 21:54

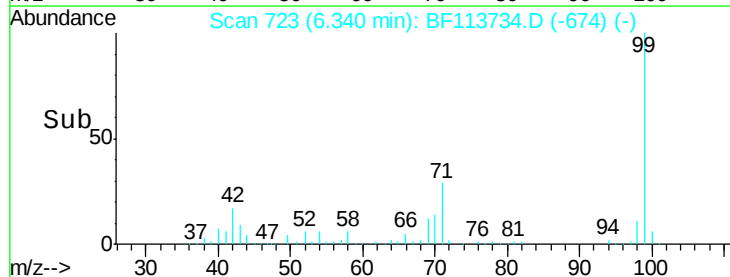
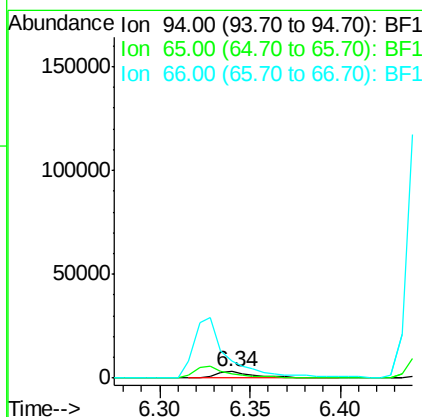
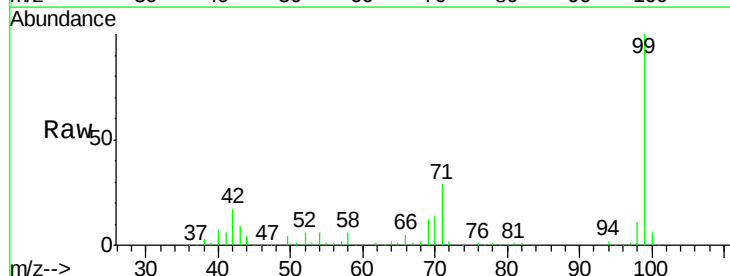
Instrument :
BNA_F
ClientSampleId :

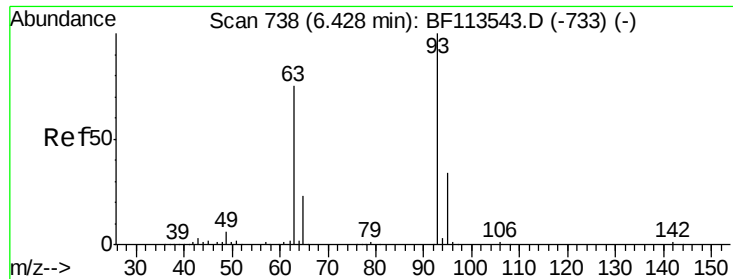
Tot Ion: 77 Resp: 831
Ion Ratio Lower Upper
77 100
105 126.0 80.9 120.9#
106 83.6 77.8 117.8



#10
Phenol
Concen: 0.509 ng
RT: 6.34 min Scan# 723
Delta R.T. -0.01 min
Lab File: BF113734.D
Acq: 11 Apr 2019 21:54

Tgt Ion: 94 Resp: 4819
Ion Ratio Lower Upper
94 100
65 64.3 21.4 61.4#
66 253.7 46.4 86.4#





#11

bis(2-Chloroethyl)ether

Concen: 0.139 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.02 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

Instrument :

BNA_F

ClientSampleId :

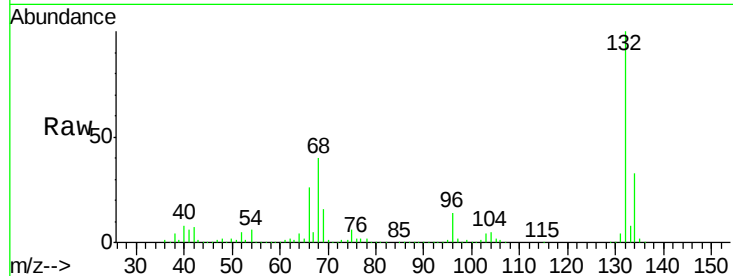
Tot Ion: 93 Resp: 1025

Ion Ratio Lower Upper

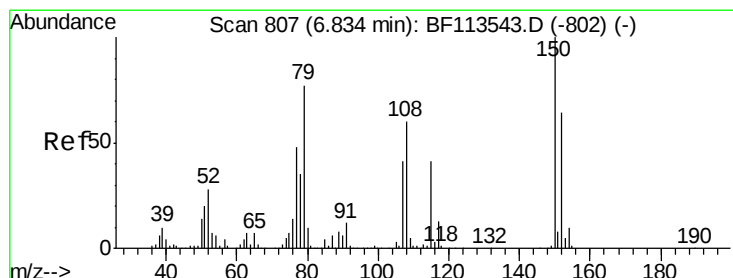
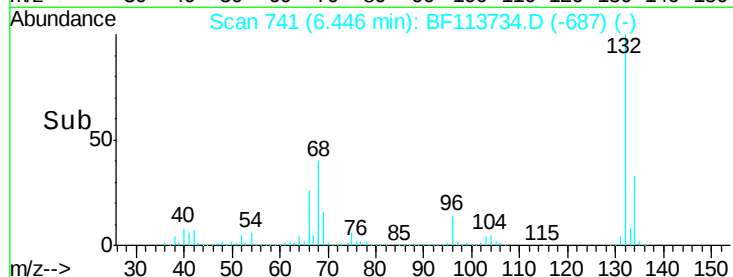
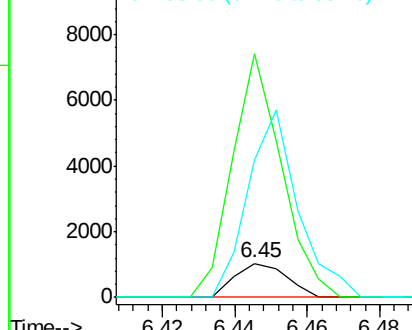
93 100

63 718.5 56.1 96.1#

95 407.3 12.8 52.8#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1



#15

Benzyl Alcohol

Concen: 1.334 ng

RT: 6.83 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

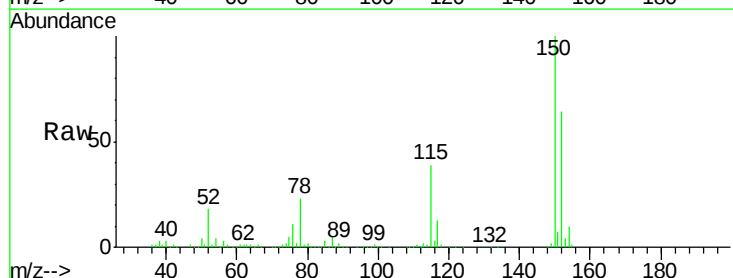
Tgt Ion: 79 Resp: 7477

Ion Ratio Lower Upper

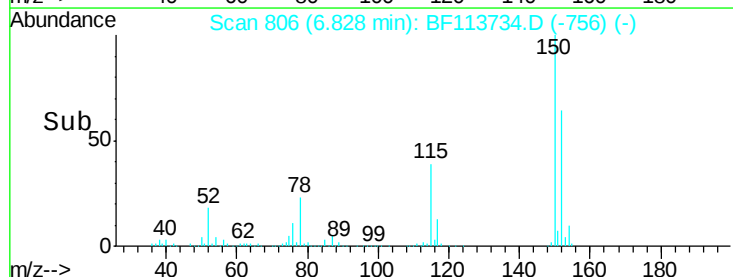
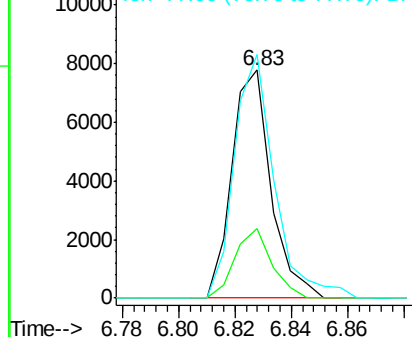
79 100

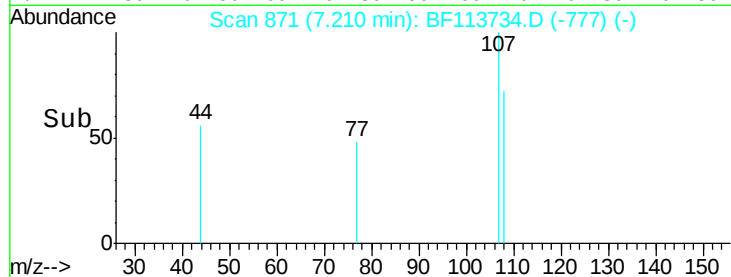
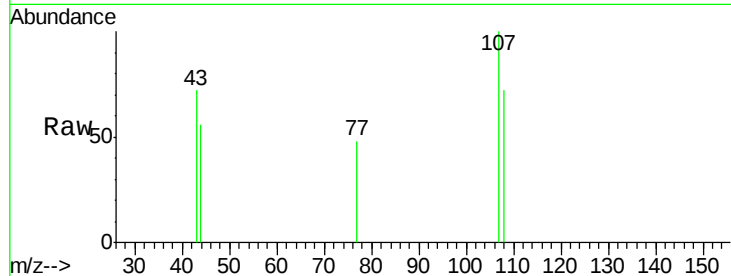
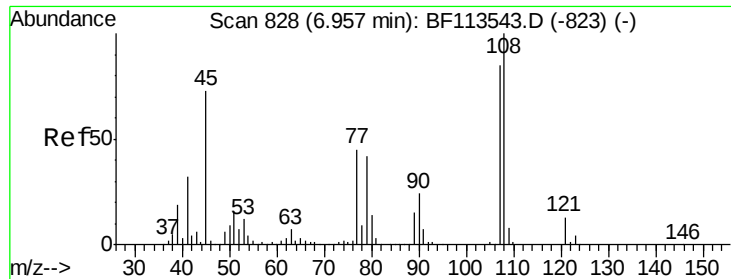
108 30.6 62.0 93.0#

77 106.8 49.9 74.9#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

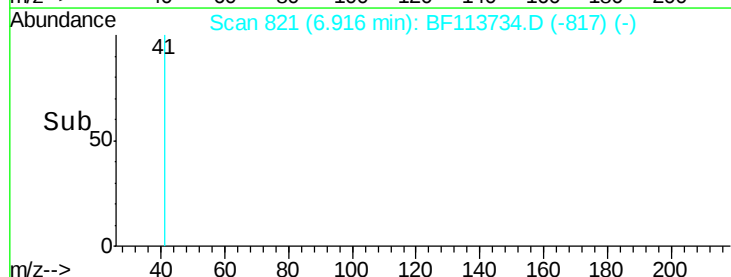
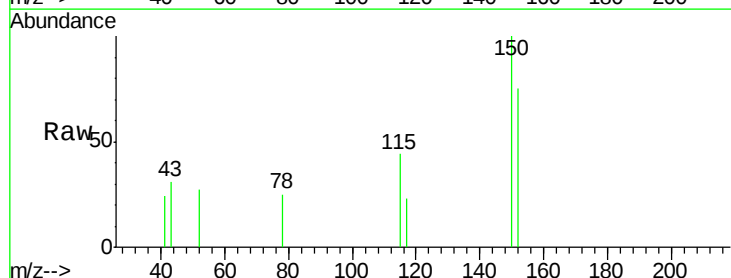
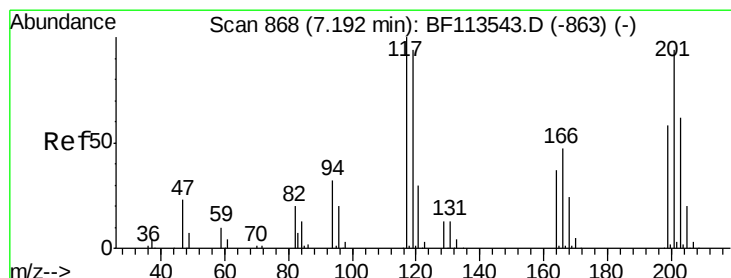
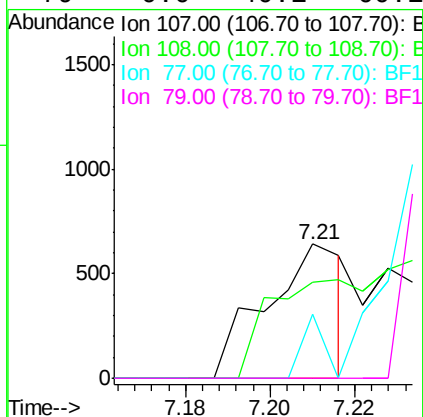




#17
2-Methylphenol
Concen: 0.135 ng
RT: 7.21 min Scan# 871
Delta R.T. 0.25 min
Lab File: BF113734.D
Acq: 11 Apr 2019 21:54

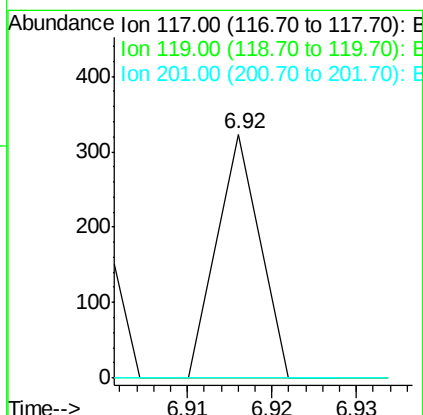
Instrument :
BNA_F
ClientSampleId :

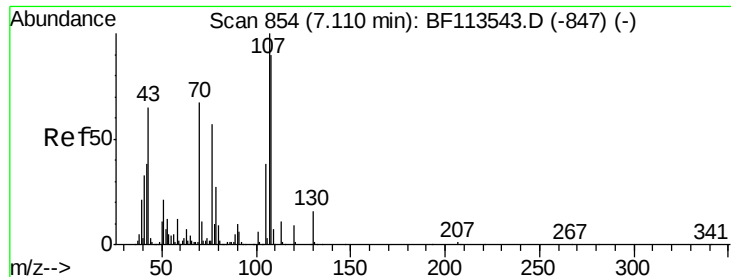
Tot Ion:107 Resp: 814
Ion Ratio Lower Upper
107 100
108 71.9 93.4 140.0#
77 47.7 41.2 61.8
79 0.0 40.1 60.1#



#18
Hexachloroethane
Concen: 0.037 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.28 min
Lab File: BF113734.D
Acq: 11 Apr 2019 21:54

Tgt Ion:117 Resp: 114
Ion Ratio Lower Upper
117 100
119 0.0 76.9 115.3#
201 0.0 78.7 118.1#

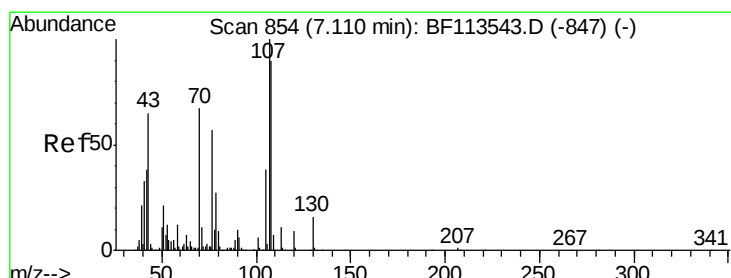
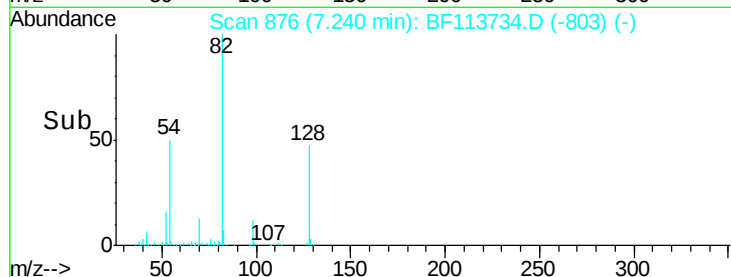
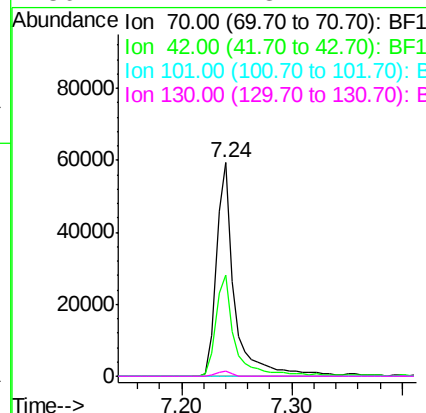
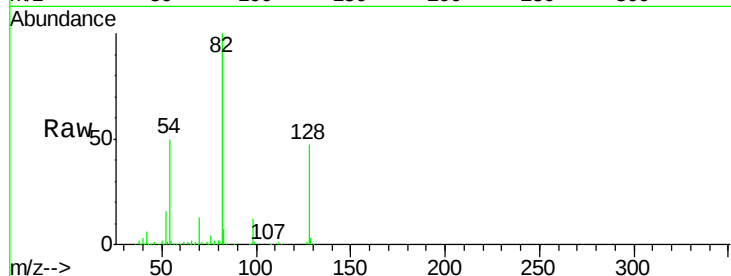




#19
n-Nitroso-di-n-propylamine
Concen: 12.892 ng
RT: 7.24 min Scan# 876
Delta R.T. 0.13 min
Lab File: BF113734.D
Acq: 11 Apr 2019 21:54

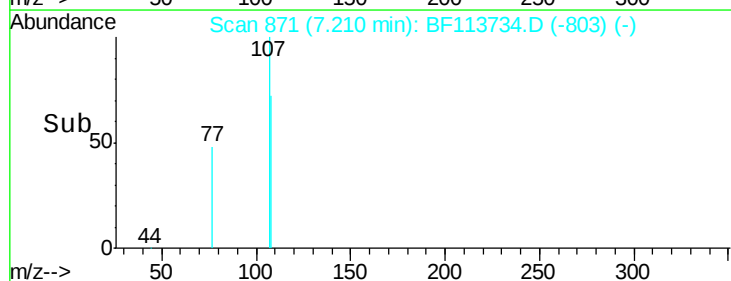
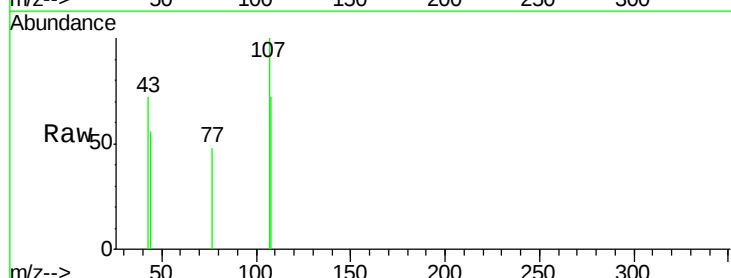
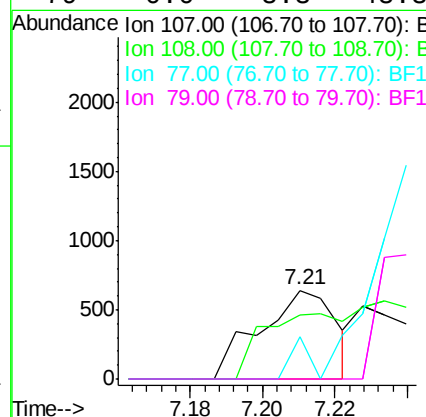
Instrument :
BNA_F
ClientSampleId :

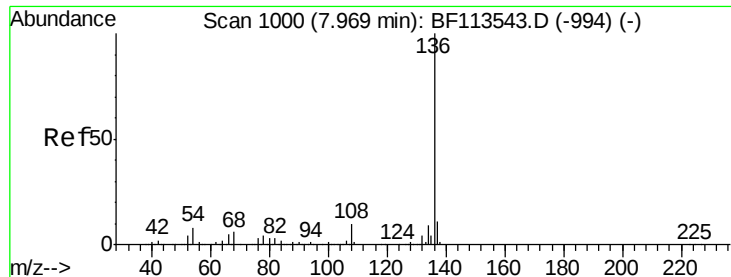
Tot Ion: 70 Resp: 65909
Ion Ratio Lower Upper
70 100
42 47.5 48.4 72.6#
101 0.0 7.8 11.8#
130 2.4 18.2 27.4#



#20
3+4-Methylphenols
Concen: 0.128 ng
RT: 7.21 min Scan# 871
Delta R.T. 0.10 min
Lab File: BF113734.D
Acq: 11 Apr 2019 21:54

Tgt Ion: 107 Resp: 937
Ion Ratio Lower Upper
107 100
108 71.9 71.4 111.4
77 47.7 33.5 73.5
79 0.0 8.3 48.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.95 min Scan# 997

Delta R.T. -0.02 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 431200

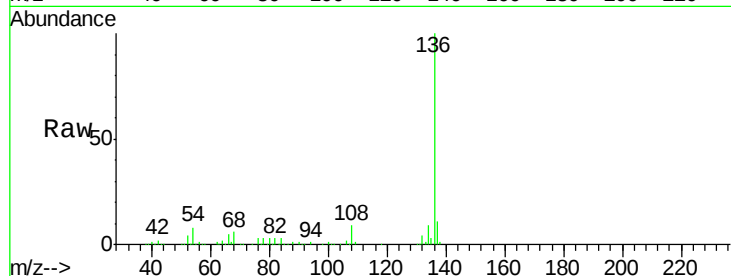
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 8.4 7.0 10.6

68 6.2 4.8 7.2

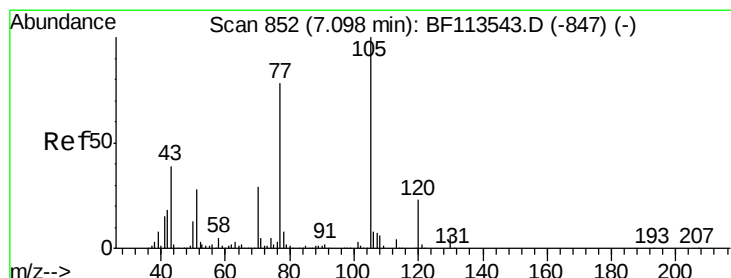
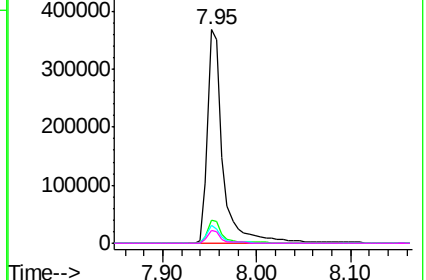
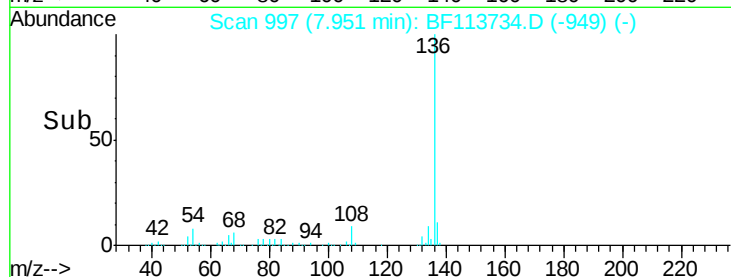


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.158 ng

RT: 7.11 min Scan# 854

Delta R.T. 0.01 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

Tgt Ion:105 Resp: 1492

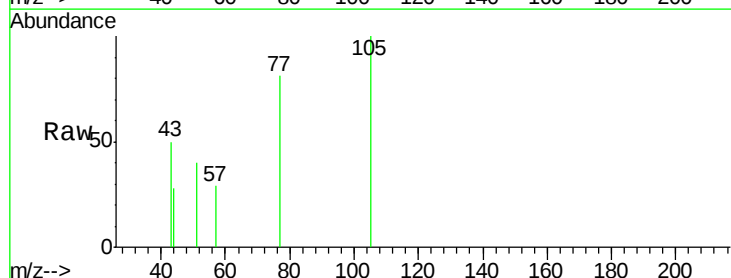
Ion Ratio Lower Upper

105 100

71 0.0 3.3 4.9#

51 40.4 24.2 36.2#

120 0.0 18.1 27.1#

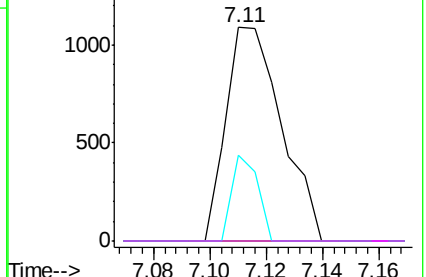
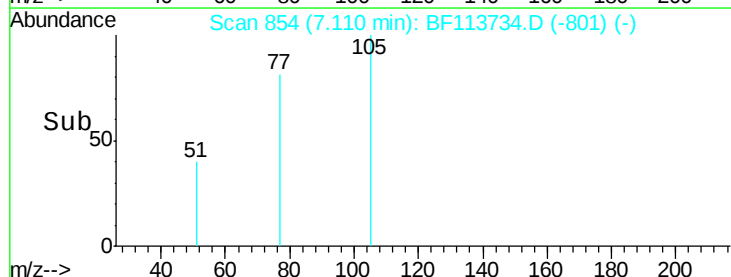


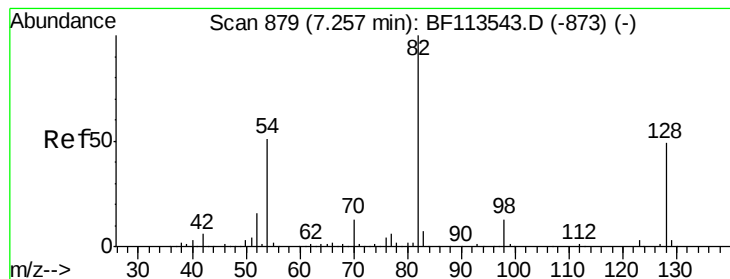
Abundance Ion 105.00 (104.70 to 105.70): E

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: 71.105 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.02 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

Instrument :

BNA_F

ClientSampleId :

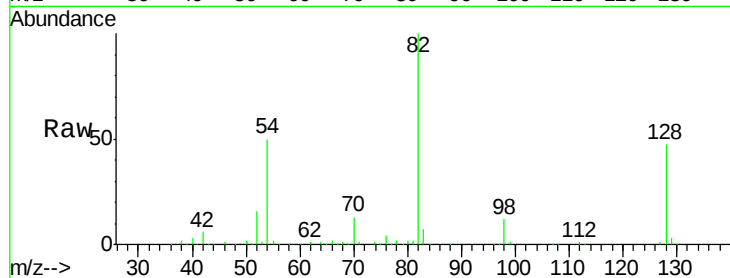
Tot Ion: 82 Resp: 523435

Ion Ratio Lower Upper

82 100

128 47.4 36.5 54.7

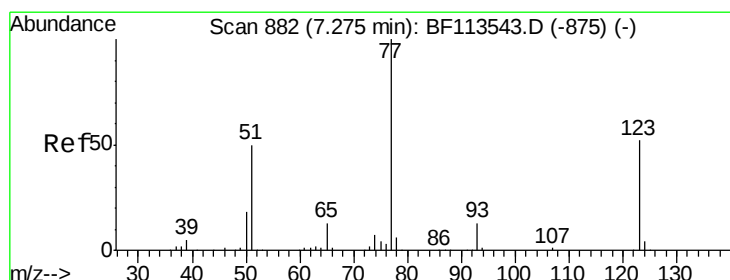
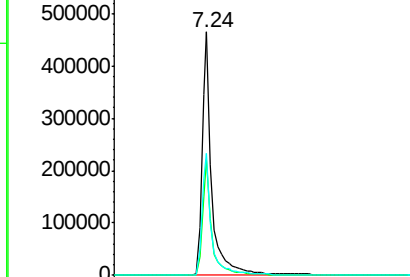
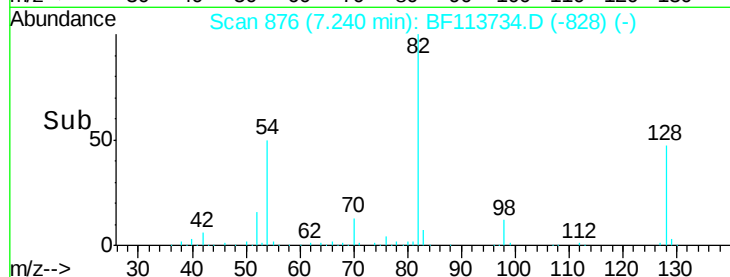
54 50.3 42.2 63.2



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: 0.244 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.04 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

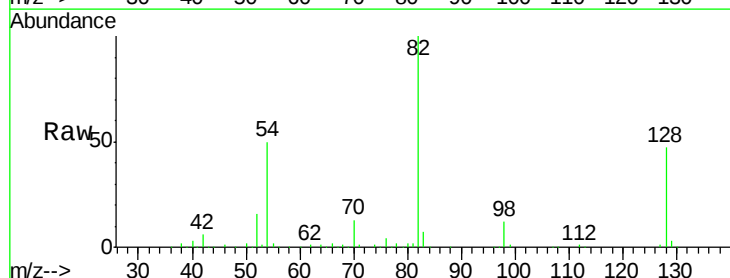
Tgt Ion: 77 Resp: 1852

Ion Ratio Lower Upper

77 100

123 0.0 40.8 61.2#

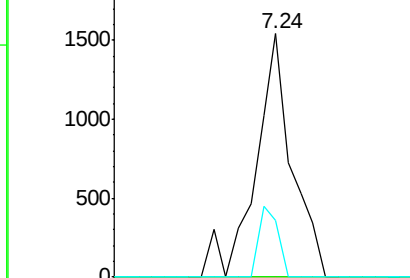
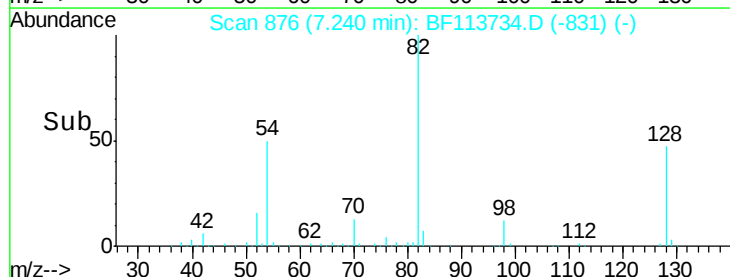
65 23.2 10.6 16.0#

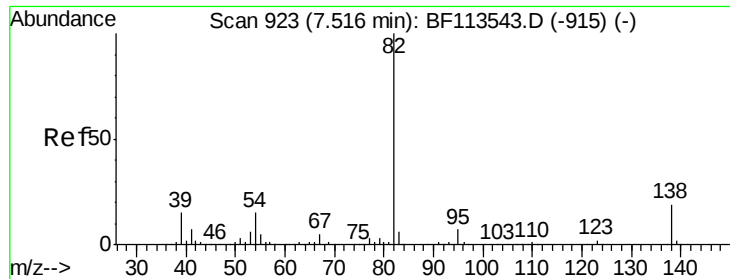


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 36.911 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.28 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

Instrument :

BNA_F

ClientSampleId :

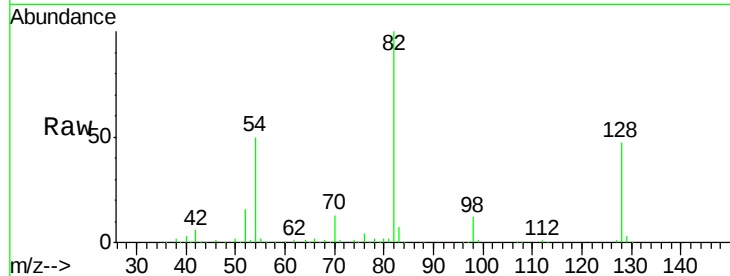
Tot Ion: 82 Resp: 523433

Ion Ratio Lower Upper

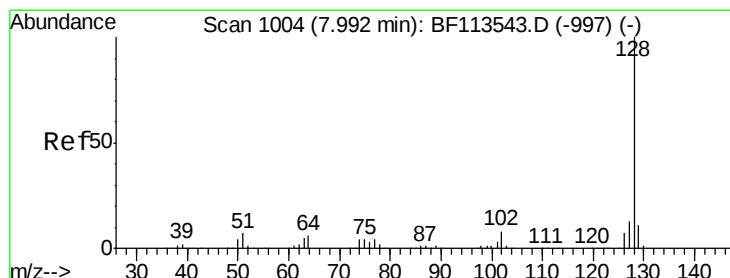
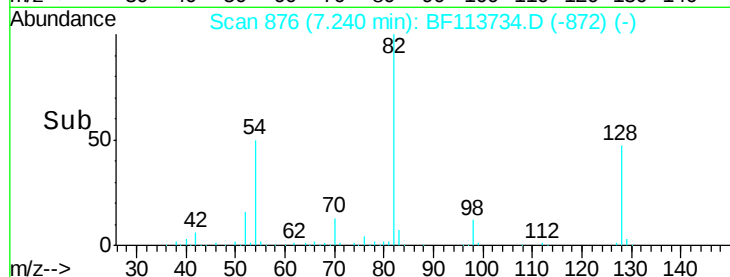
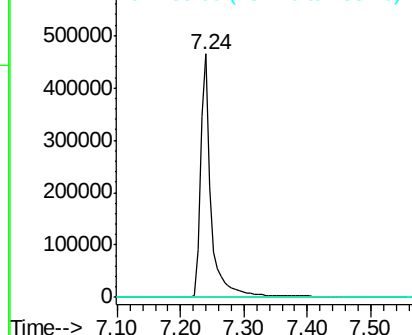
82 100

95 0.0 5.5 8.3#

138 0.0 15.2 22.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 2.110 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.02 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

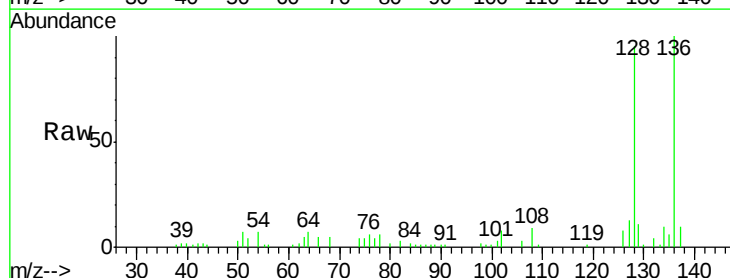
Tgt Ion: 128 Resp: 44089

Ion Ratio Lower Upper

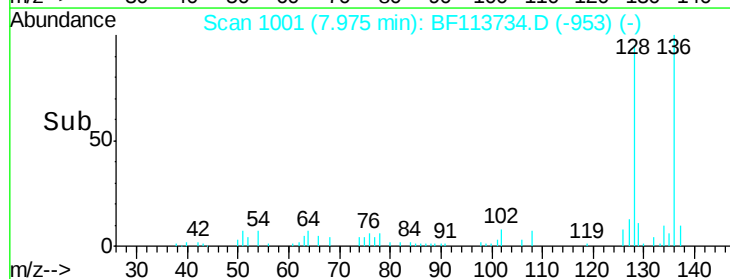
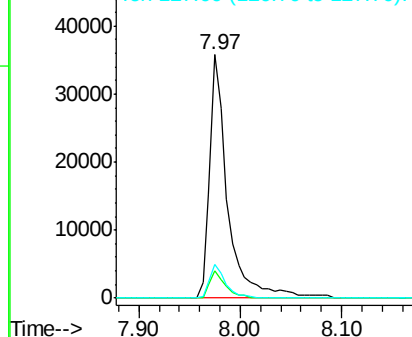
128 100

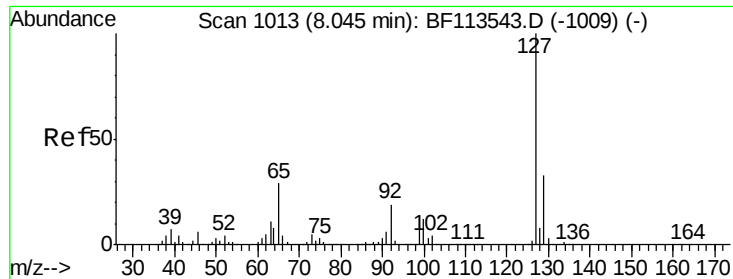
129 11.5 9.3 13.9

127 13.8 10.9 16.3



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

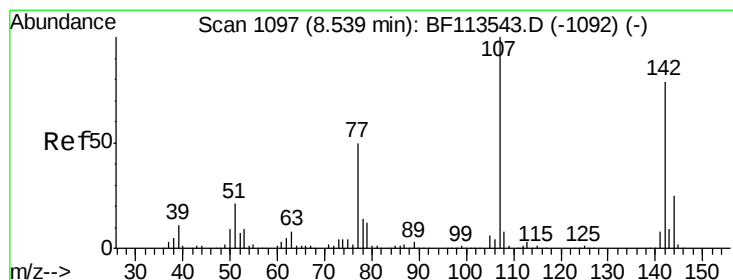
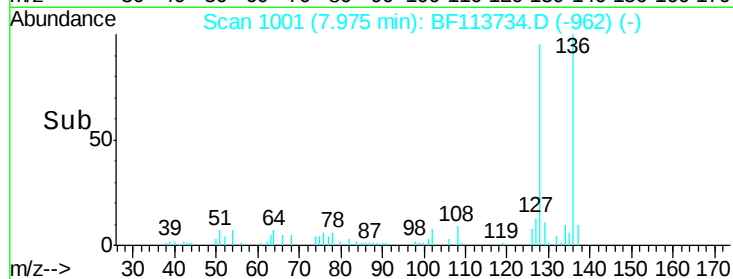
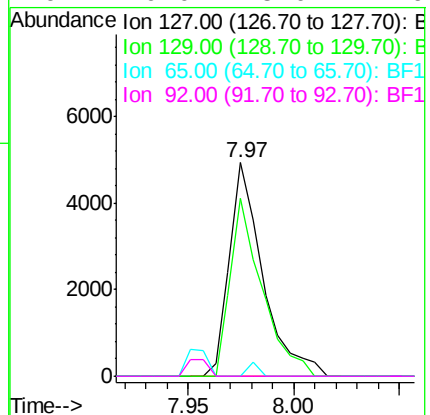
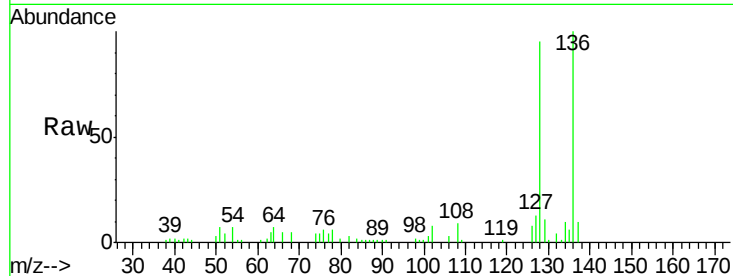




#33
4-Chloroaniline
Concen: 0.652 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.07 min
Lab File: BF113734.D
Acq: 11 Apr 2019 21:54

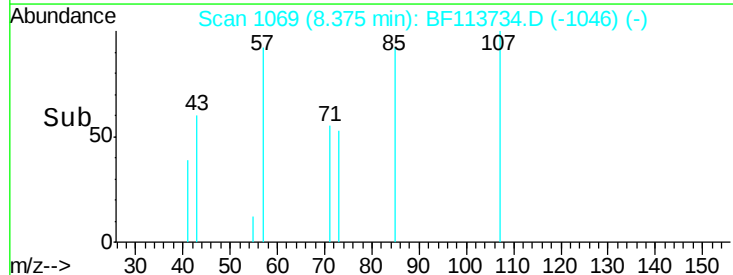
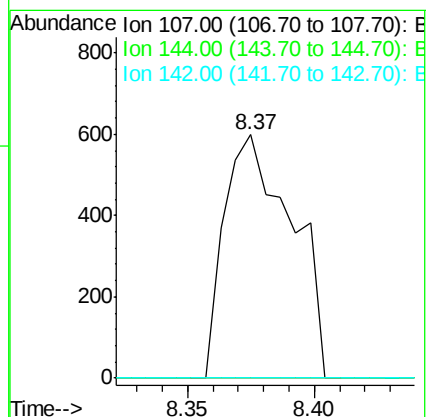
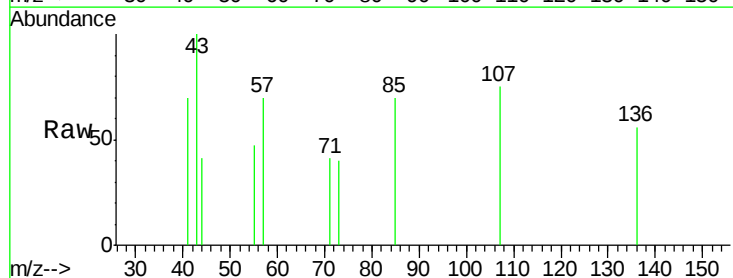
Instrument :
BNA_F
ClientSampleId :

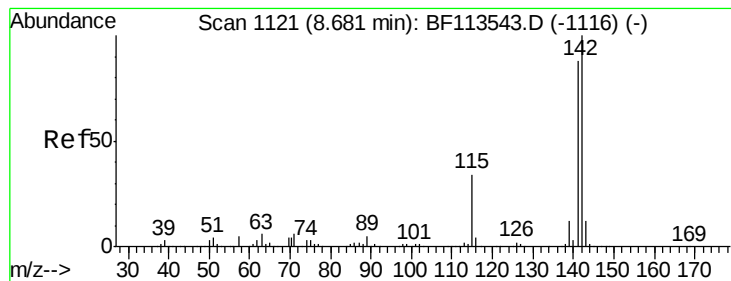
Tot Ion:127 Resp: 5402
Ion Ratio Lower Upper
127 100
129 83.2 26.3 39.5#
65 0.0 24.2 36.4#
92 0.0 15.0 22.6#



#36
4-Chloro-3-methylphenol
Concen: 0.177 ng
RT: 8.37 min Scan# 1069
Delta R.T. -0.16 min
Lab File: BF113734.D
Acq: 11 Apr 2019 21:54

Tgt Ion:107 Resp: 1109
Ion Ratio Lower Upper
107 100
144 0.0 21.4 32.0#
142 0.0 65.6 98.4#





#37

2-Methylnaphthalene

Concen: 0.208 ng

RT: 8.77 min Scan# 1137

Delta R.T. 0.09 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

Instrument :

BNA_F

ClientSampleId :

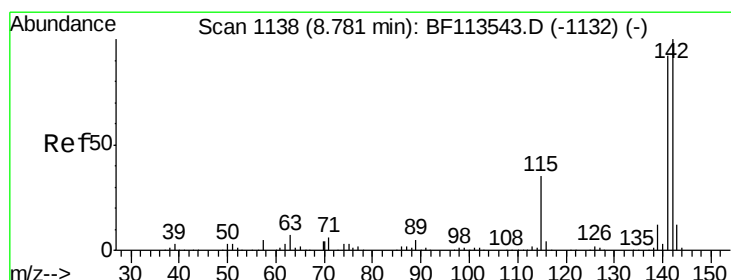
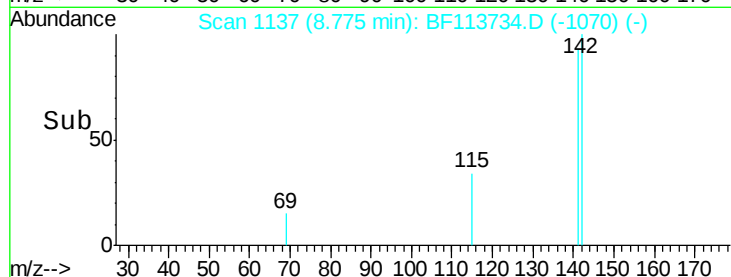
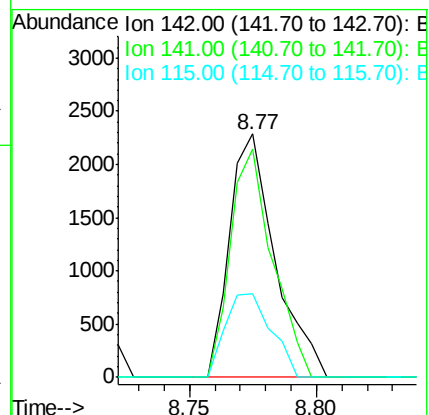
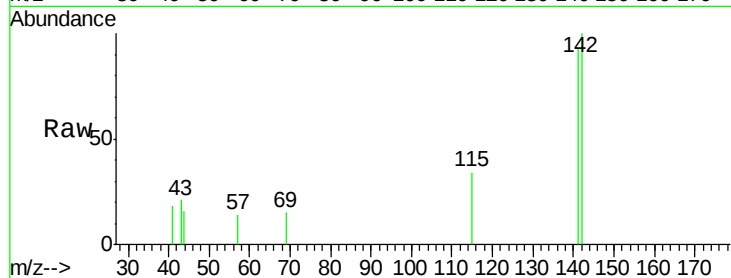
Tot Ion:142 Resp: 2862

Ion Ratio Lower Upper

142 100

141 93.5 71.0 106.6

115 34.2 26.6 39.8



#38

1-Methylnaphthalene

Concen: 0.216 ng

RT: 8.77 min Scan# 1137

Delta R.T. -0.01 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

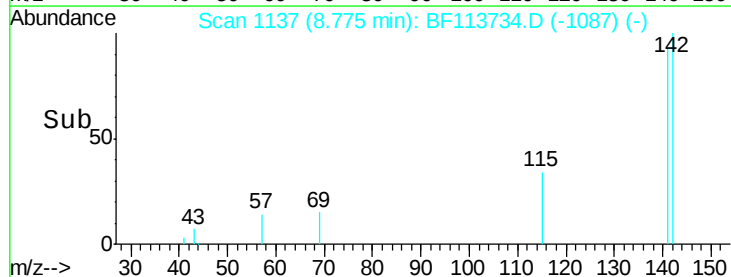
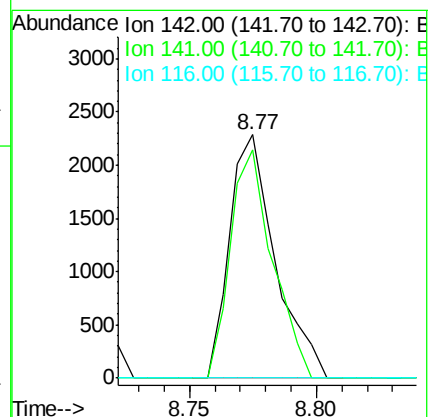
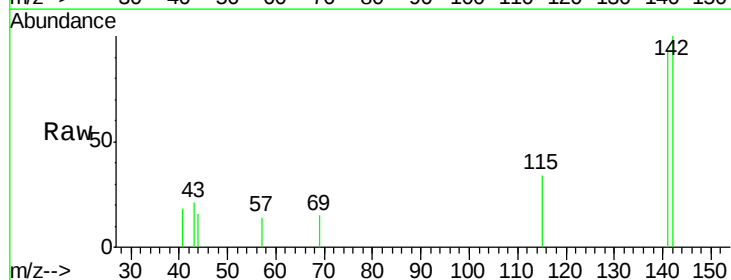
Tgt Ion:142 Resp: 2862

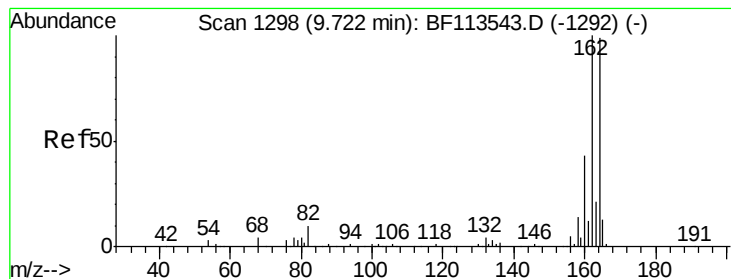
Ion Ratio Lower Upper

142 100

141 93.5 73.2 109.8

116 0.0 3.0 4.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

Instrument :

BNA_F

ClientSampleId :

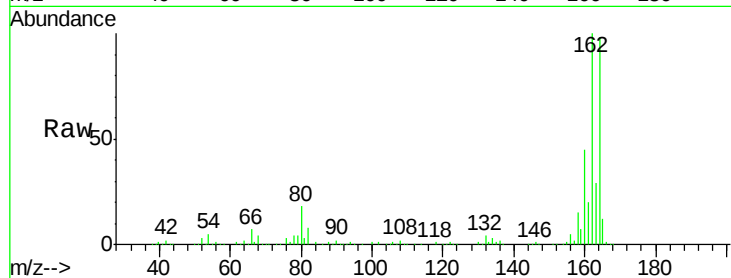
Tot Ion:164 Resp: 206131

Ion Ratio Lower Upper

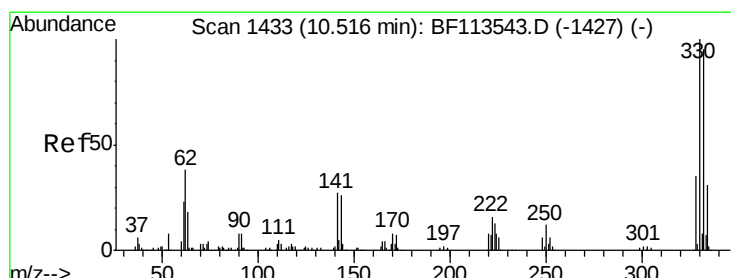
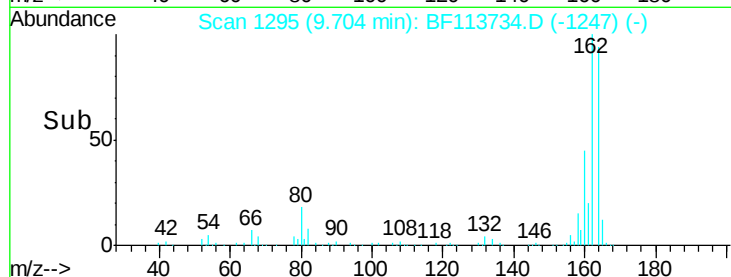
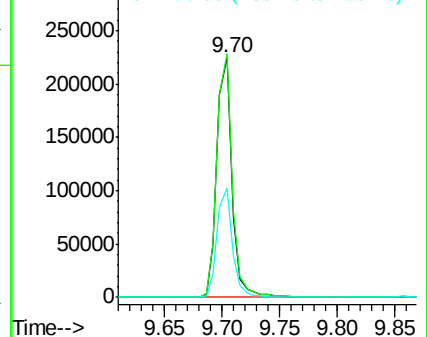
164 100

162 101.6 81.8 122.6

160 45.7 36.4 54.6



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



#42

2,4,6-Tribromophenol

Concen: 100.711 ng

RT: 10.49 min Scan# 1429

Delta R.T. -0.02 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

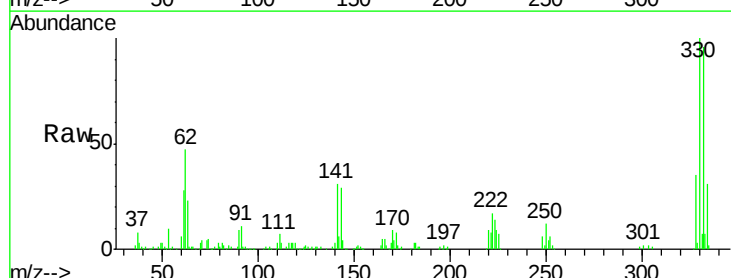
Tgt Ion:330 Resp: 249374

Ion Ratio Lower Upper

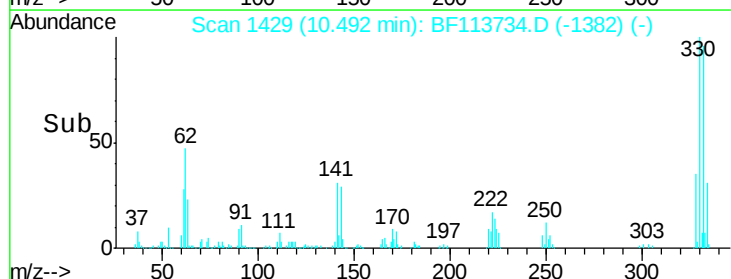
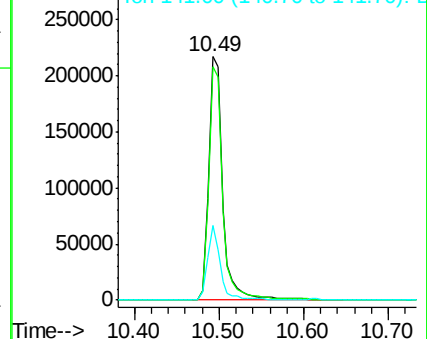
330 100

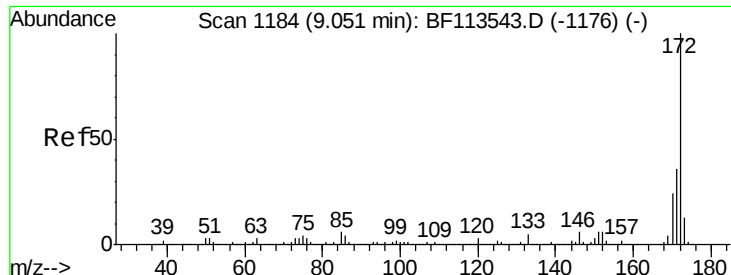
332 95.8 77.8 116.6

141 28.0 22.7 34.1



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

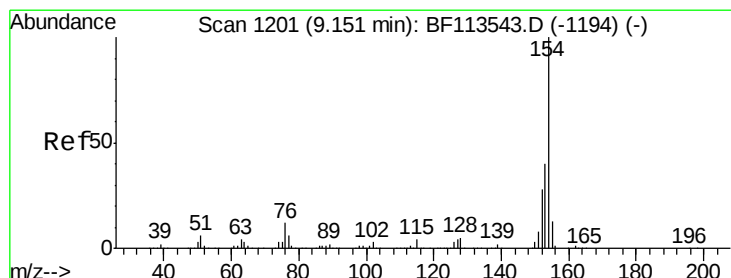
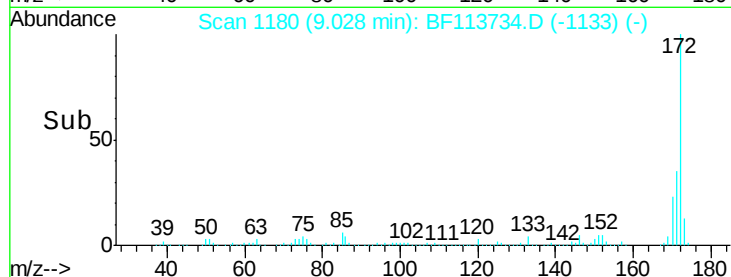
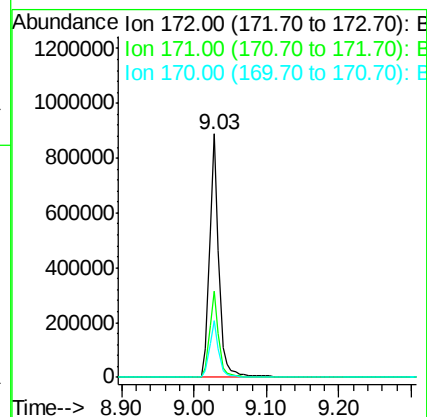
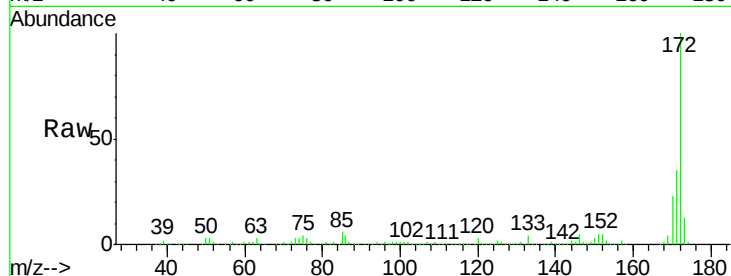




#45
2-Fluorobiphenyl
Concen: 62.824 ng
RT: 9.03 min Scan# 1180
Delta R.T. -0.02 min
Lab File: BF113734.D
Acq: 11 Apr 2019 21:54

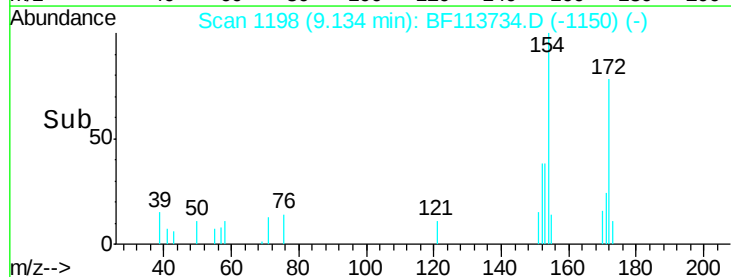
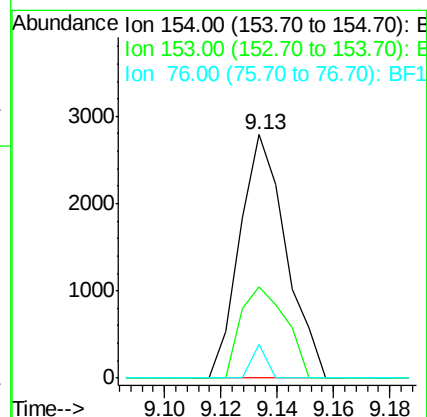
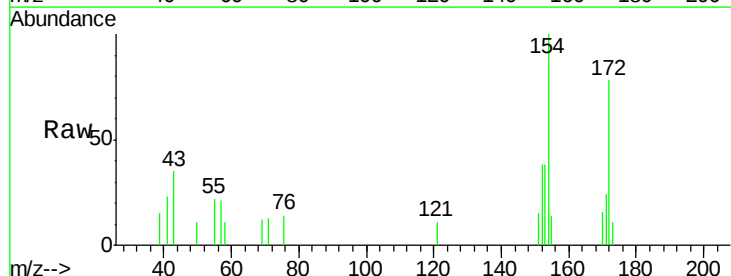
Instrument :
BNA_F
ClientSampleId :

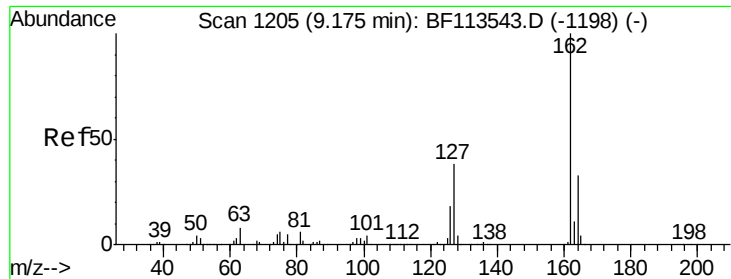
Tot Ion:172 Resp: 804398
Ion Ratio Lower Upper
172 100
171 35.2 29.0 43.6
170 23.5 19.5 29.3



#46
1,1'-Biphenyl
Concen: 0.186 ng
RT: 9.13 min Scan# 1198
Delta R.T. -0.02 min
Lab File: BF113734.D
Acq: 11 Apr 2019 21:54

Tgt Ion:154 Resp: 3169
Ion Ratio Lower Upper
154 100
153 37.7 20.8 60.8
76 13.8 0.0 31.9

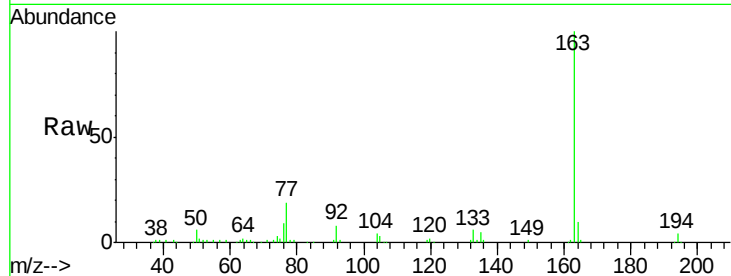




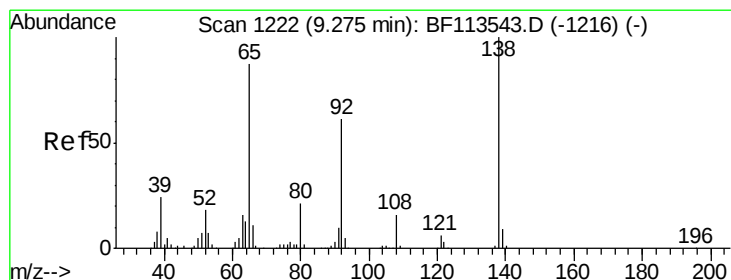
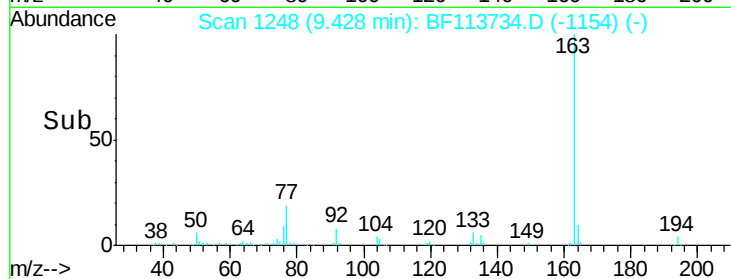
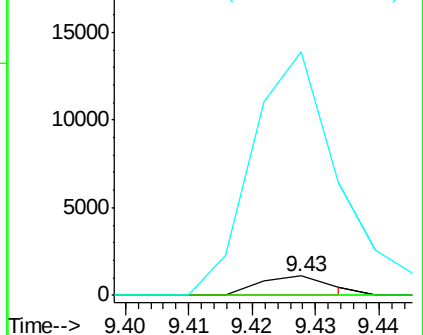
#47
 2-Chloronaphthalene
 Concen: 0.065 ng
 RT: 9.43 min Scan# 1248
 Delta R.T. 0.25 min
 Lab File: BF113734.D
 Acq: 11 Apr 2019 21:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:162 Resp: 834
 Ion Ratio Lower Upper
 162 100
 127 0.0 32.6 49.0#
 164 1247.5 26.6 39.8#

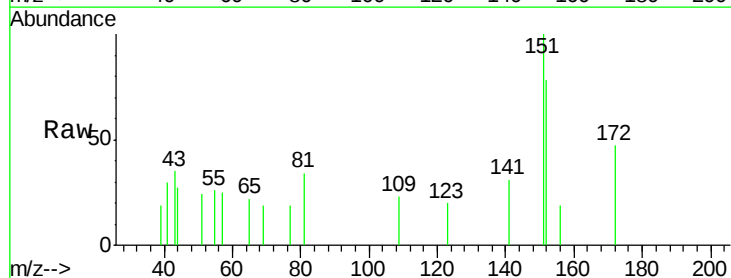


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

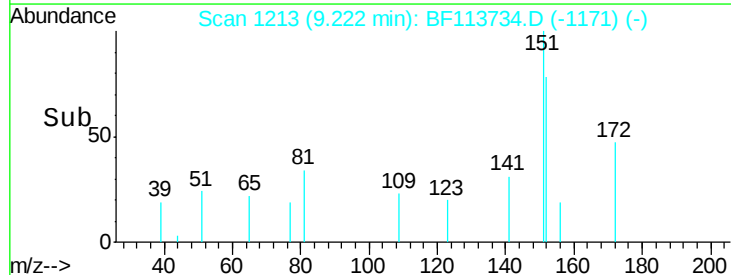
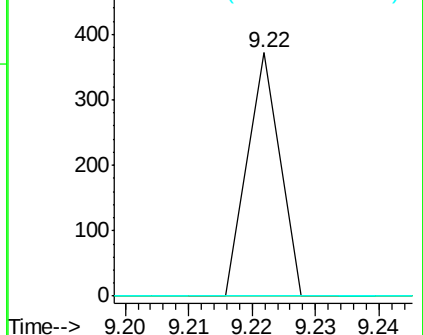


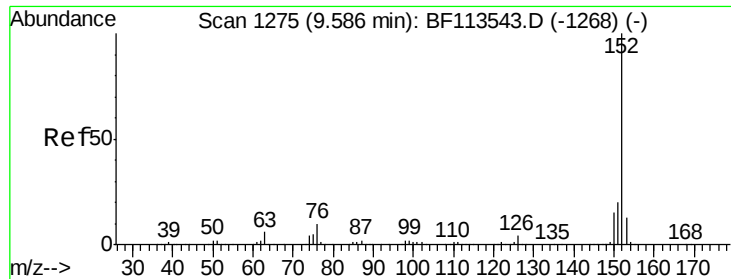
#48
 2-Nitroaniline
 Concen: 0.033 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.05 min
 Lab File: BF113734.D
 Acq: 11 Apr 2019 21:54

Tgt Ion: 65 Resp: 131
 Ion Ratio Lower Upper
 65 100
 92 0.0 56.8 85.2#
 138 0.0 92.3 138.5#



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: 1.256 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.02 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

Instrument :

BNA_F

ClientSampleId :

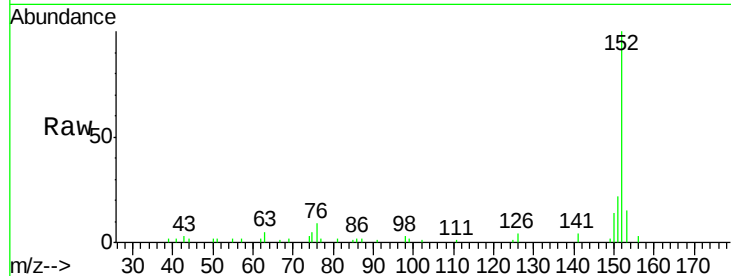
Tot Ion:152 Resp: 26312

Ion Ratio Lower Upper

152 100

151 21.6 16.2 24.4

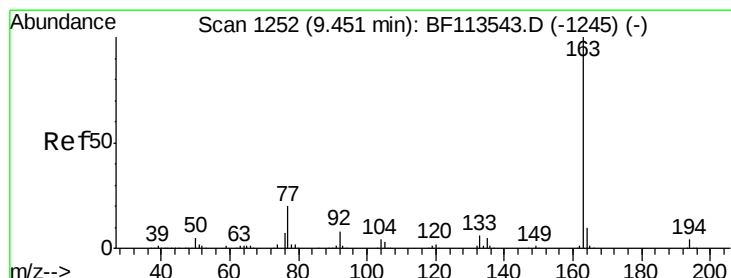
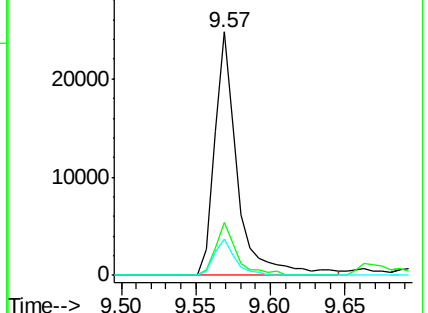
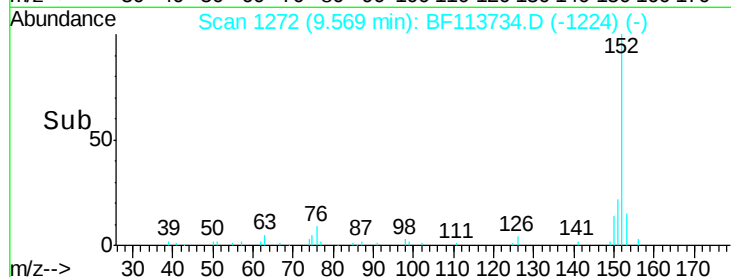
153 14.7 11.0 16.6



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: 9.093 ng

RT: 9.43 min Scan# 1248

Delta R.T. -0.02 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

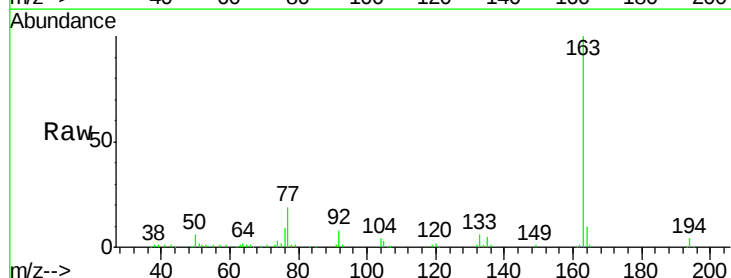
Tgt Ion:163 Resp: 138162

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

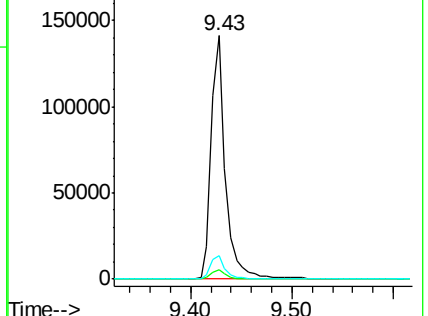
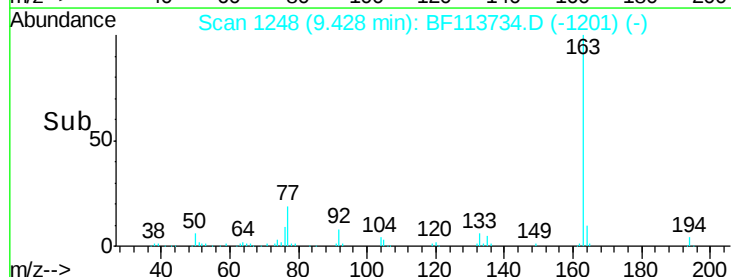
164 9.8 8.1 12.1

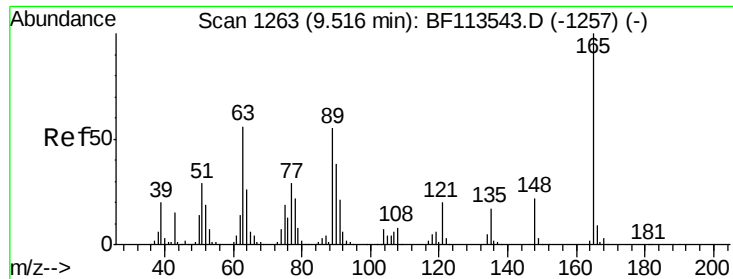


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

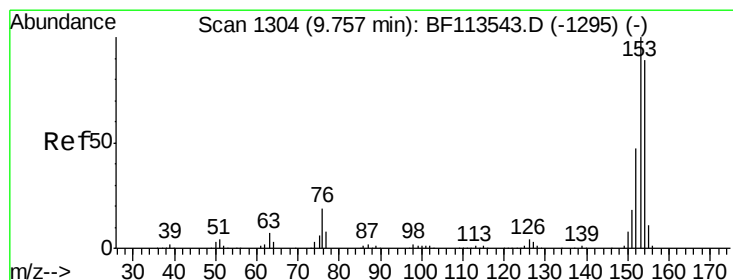
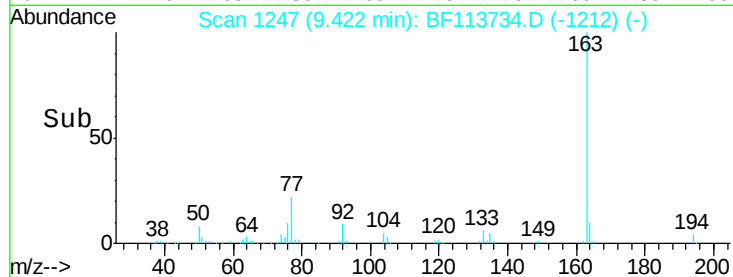
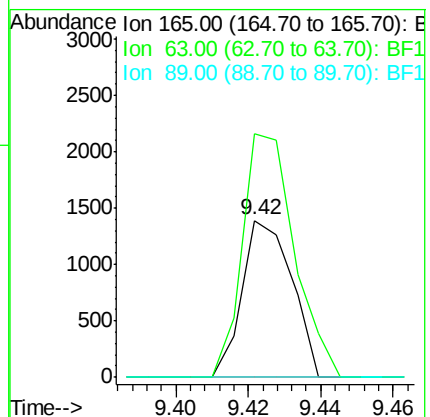
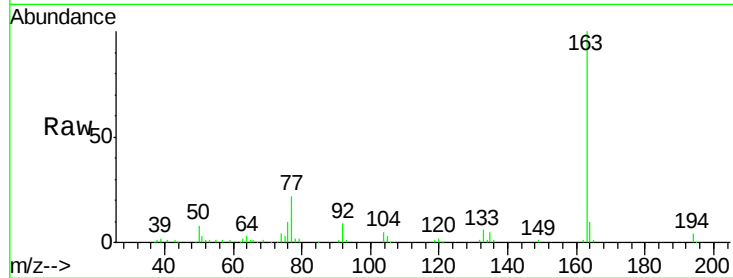




#51
 2,6-Dinitrotoluene
 Concen: 0.395 ng
 RT: 9.42 min Scan# 1247
 Delta R.T. -0.09 min
 Lab File: BF113734.D
 Acq: 11 Apr 2019 21:54

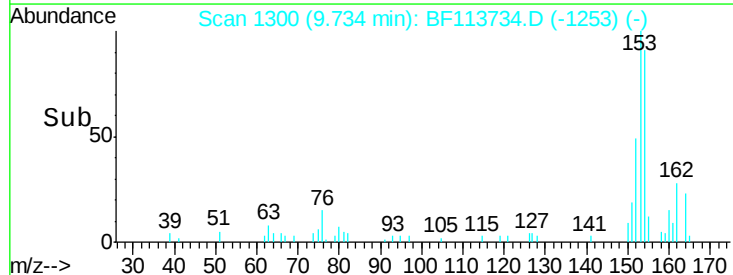
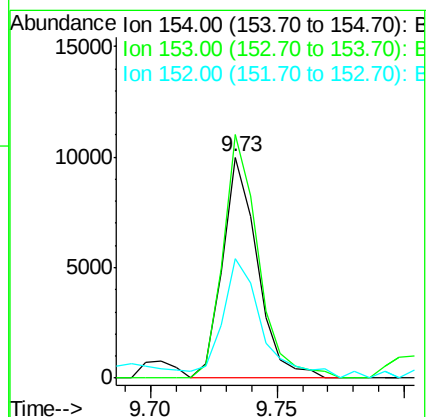
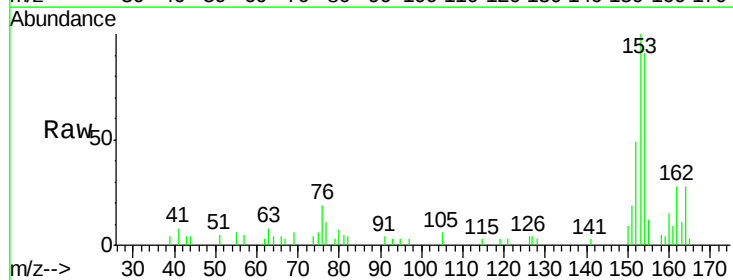
Instrument :
 BNA_F
 ClientSampleId :

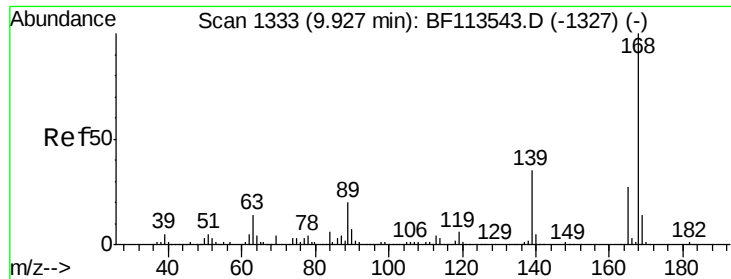
Tot Ion:165 Resp: 1323
 Ion Ratio Lower Upper
 165 100
 63 155.2 43.4 65.0#
 89 0.0 43.1 64.7#



#52
 Acenaphthene
 Concen: 0.796 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.02 min
 Lab File: BF113734.D
 Acq: 11 Apr 2019 21:54

Tgt Ion:154 Resp: 9542
 Ion Ratio Lower Upper
 154 100
 153 110.3 89.5 134.3
 152 54.0 43.3 64.9

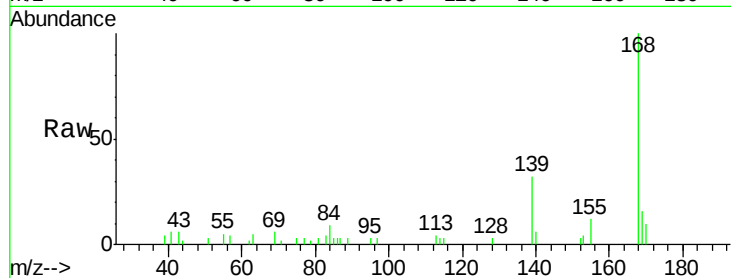




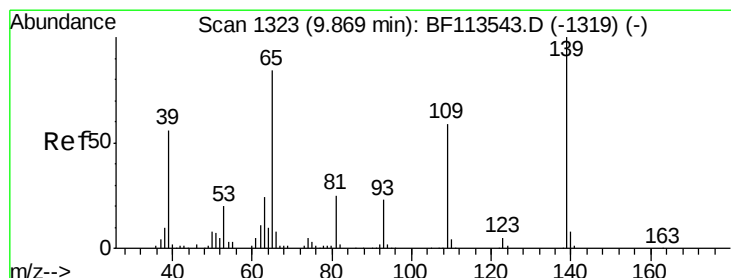
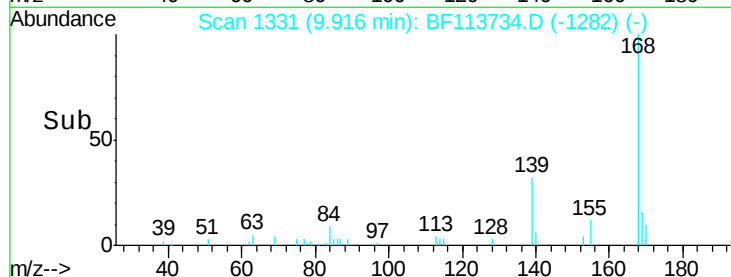
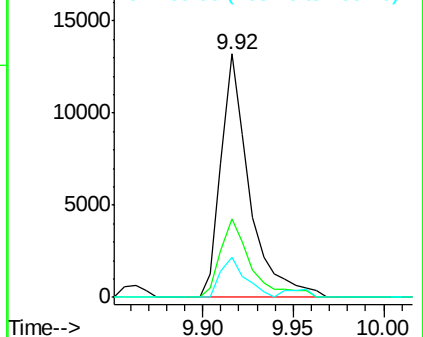
#55
Dibenzofuran
Concen: 0.820 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF113734.D
Acq: 11 Apr 2019 21:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:168 Resp: 14411
Ion Ratio Lower Upper
168 100
139 32.2 29.7 44.5
169 16.3 10.7 16.1#

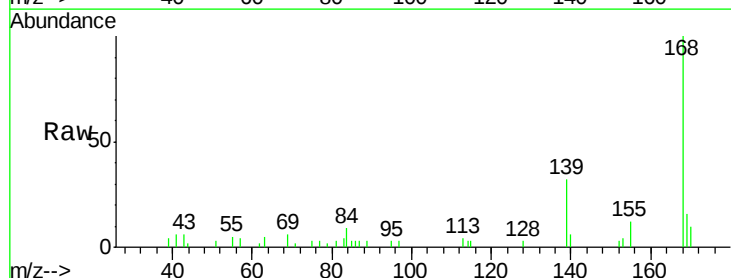


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

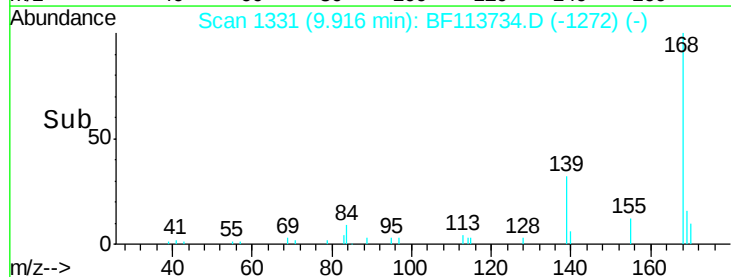
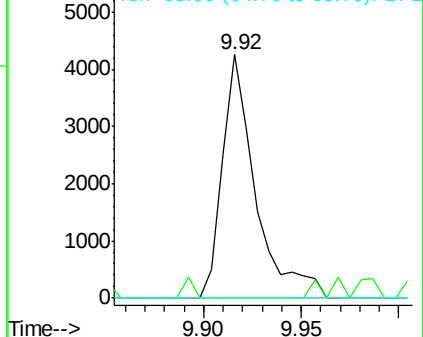


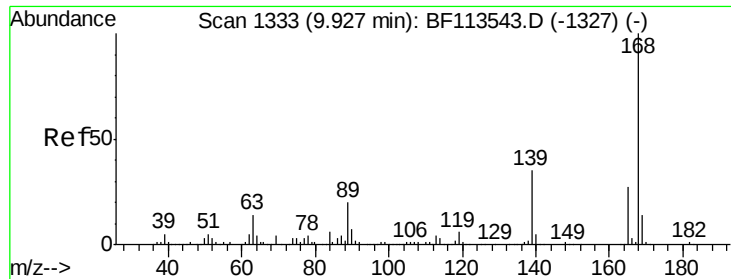
#56
4-Nitrophenol
Concen: 2.113 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.05 min
Lab File: BF113734.D
Acq: 11 Apr 2019 21:54

Tgt Ion:139 Resp: 4992
Ion Ratio Lower Upper
139 100
109 0.0 46.9 86.9#
65 0.0 77.2 117.2#



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

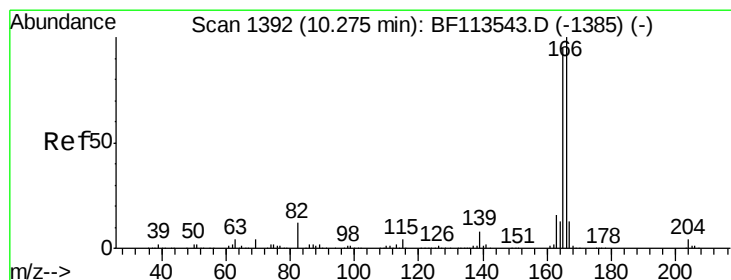
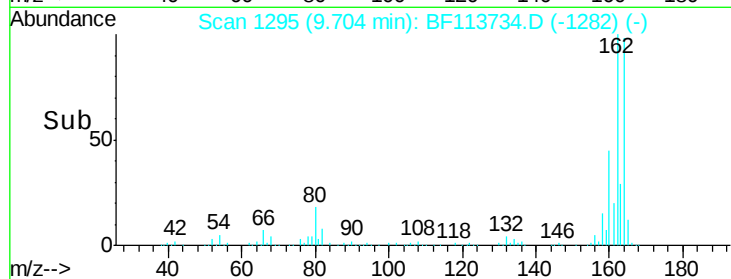
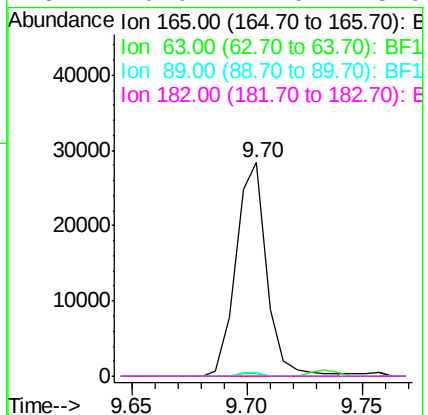
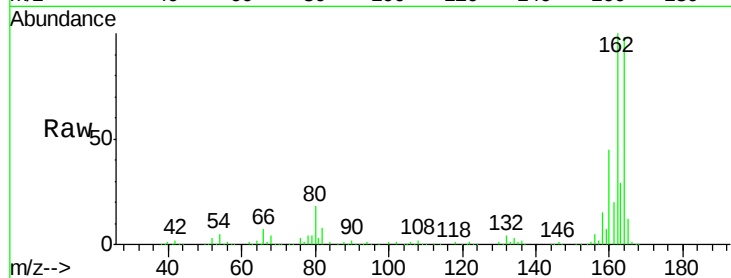




#57
 2,4-Dinitrotoluene
 Concen: 6.496 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. -0.22 min
 Lab File: BF113734.D
 Acq: 11 Apr 2019 21:54

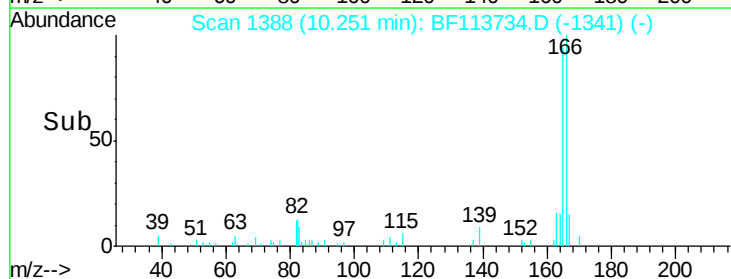
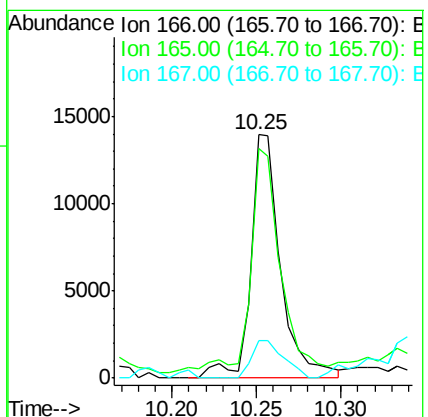
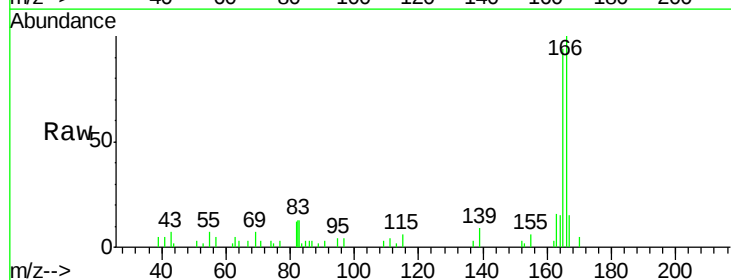
Instrument :
 BNA_F
 ClientSampleId :

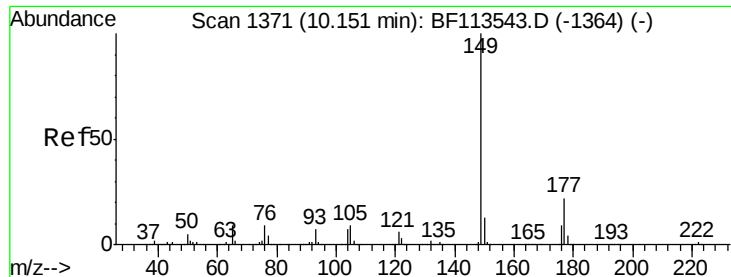
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	37.5	56.3#
89	1.7	57.4	86.2#
182	0.0	2.0	3.0#



#58
 Fluorene
 Concen: 1.240 ng
 RT: 10.25 min Scan# 1388
 Delta R.T. -0.02 min
 Lab File: BF113734.D
 Acq: 11 Apr 2019 21:54

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.3	76.2	114.2
167	15.4	10.7	16.1





#60

Diethylphthalate

Concen: 0.020 ng

RT: 10.12 min Scan# 1366

Delta R.T. -0.03 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

Instrument :

BNA_F

ClientSampleId :

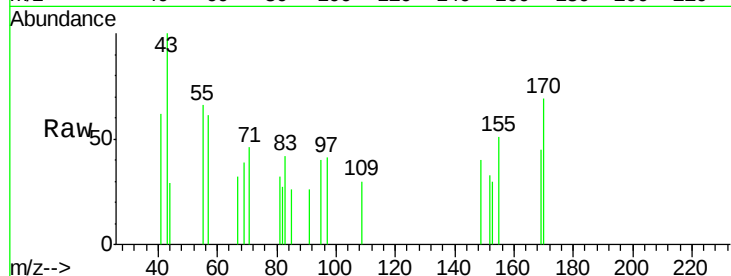
Tot Ion:149 Resp: 287

Ion Ratio Lower Upper

149 100

177 0.0 17.4 26.0#

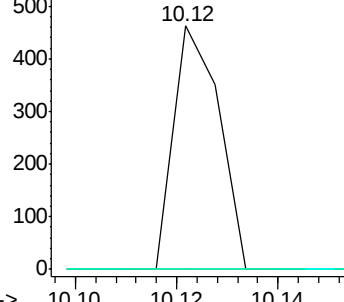
150 0.0 10.0 15.0#



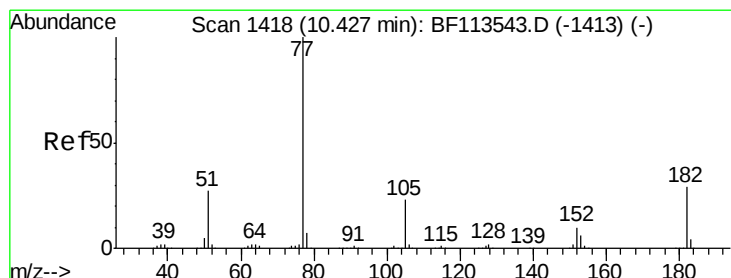
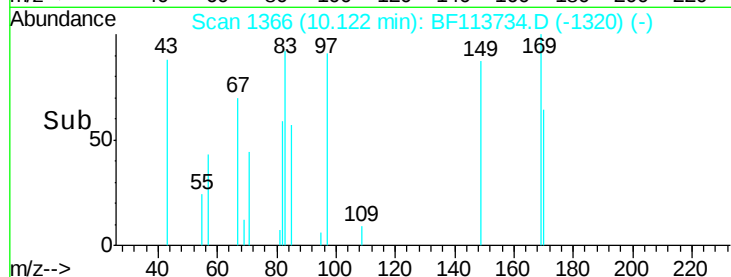
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



Time-->



#63

Azobenzene

Concen: 0.102 ng

RT: 10.42 min Scan# 1417

Delta R.T. -0.01 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

Tgt Ion: 77 Resp: 1416

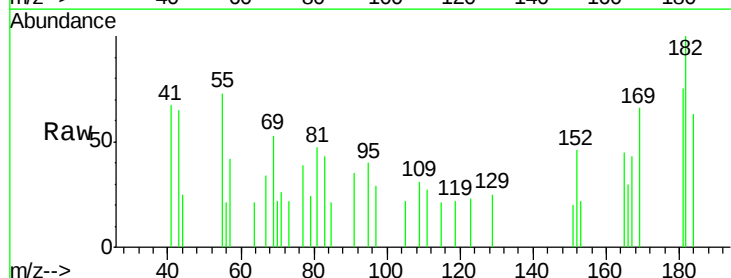
Ion Ratio Lower Upper

77 100

182 255.7 8.7 48.7#

105 55.4 2.9 42.9#

51 0.0 8.8 48.8#

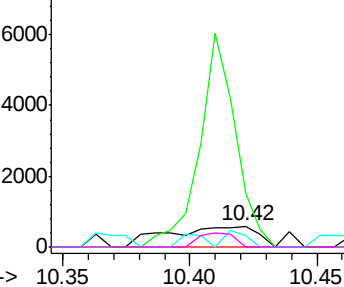


Abundance Ion 77.00 (76.70 to 77.70): BF1

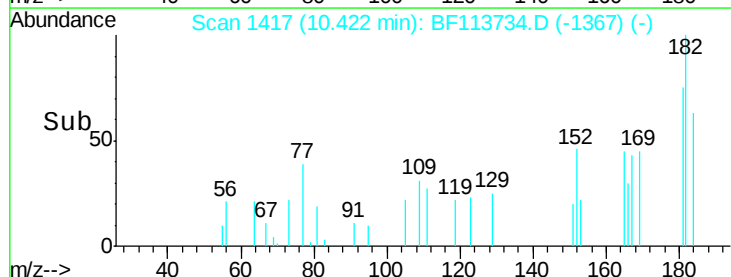
Ion 182.00 (181.70 to 182.70): E

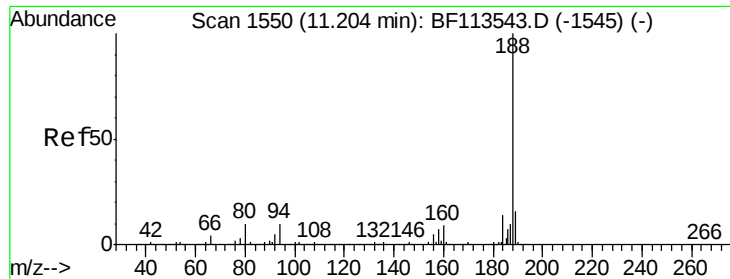
Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



Time-->





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.19 min Scan# 1547

Delta R.T. -0.02 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

Instrument :

BNA_F

ClientSampled :

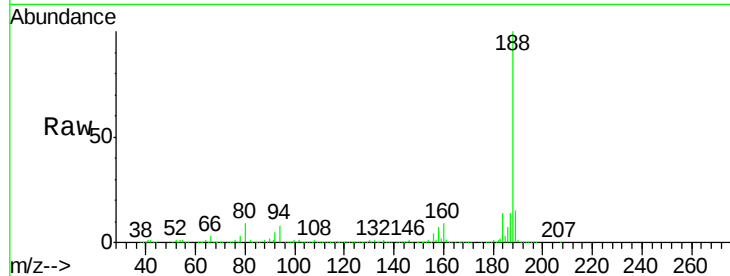
Tot Ion:188 Resp: 387356

Ion Ratio Lower Upper

188 100

94 8.0 7.0 10.6

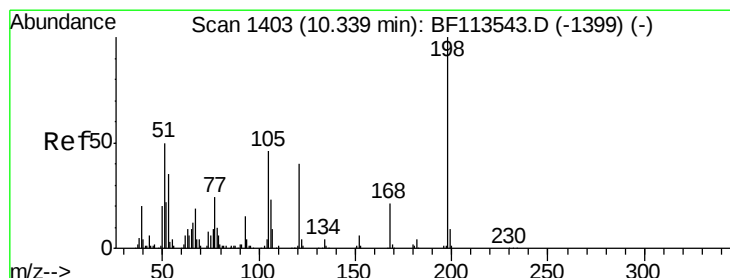
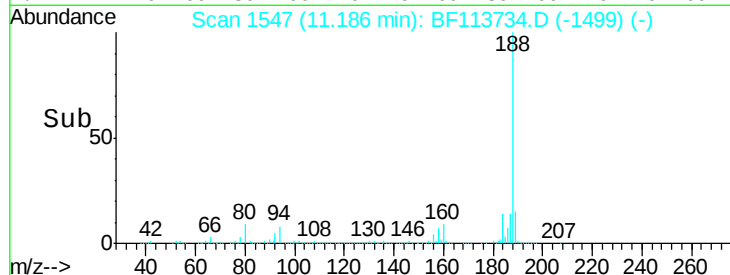
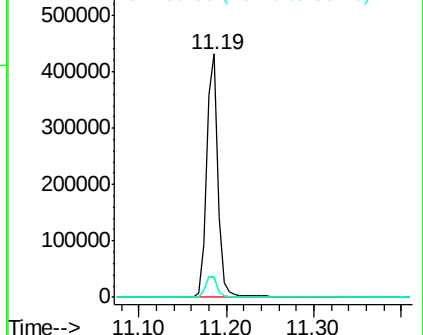
80 8.5 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

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: 0.197 ng

RT: 10.49 min Scan# 1429

Delta R.T. 0.15 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

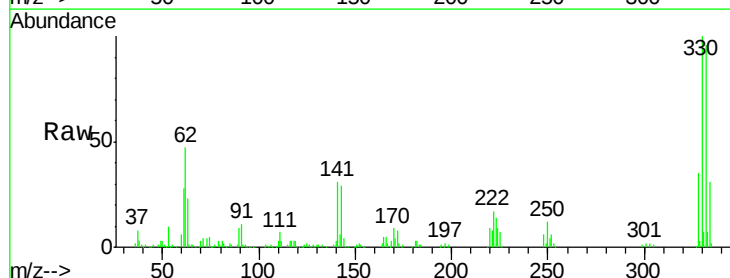
Tgt Ion:198 Resp: 401

Ion Ratio Lower Upper

198 100

51 287.2 21.6 61.6#

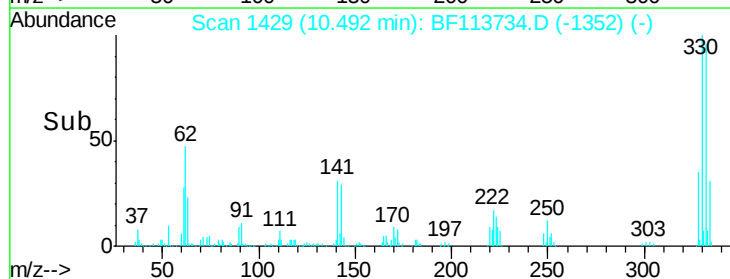
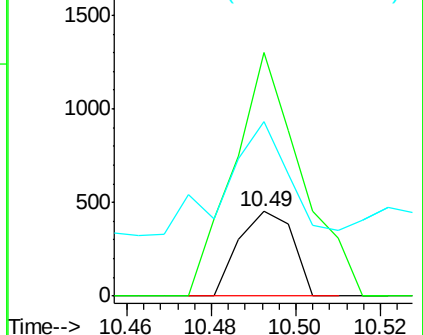
105 206.0 20.6 60.6#

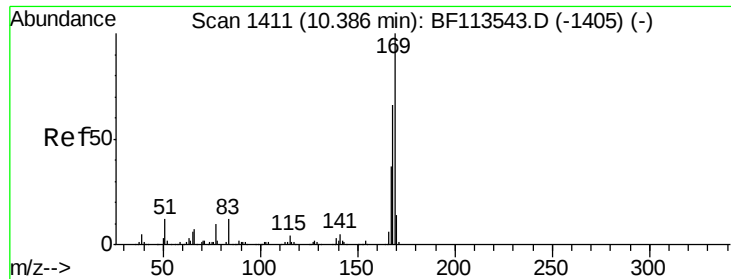


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

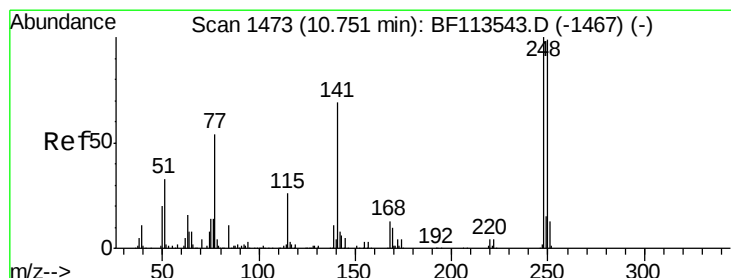
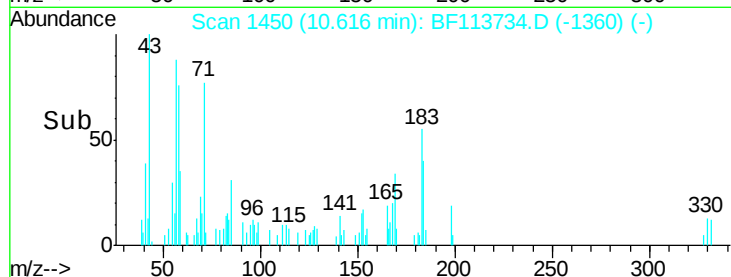
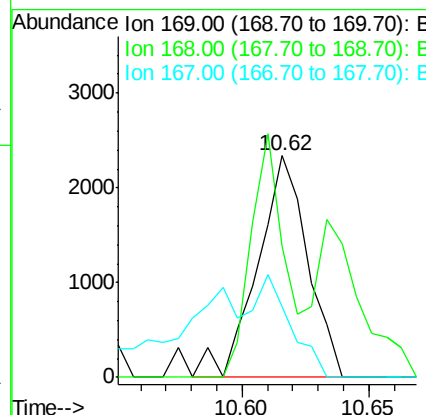
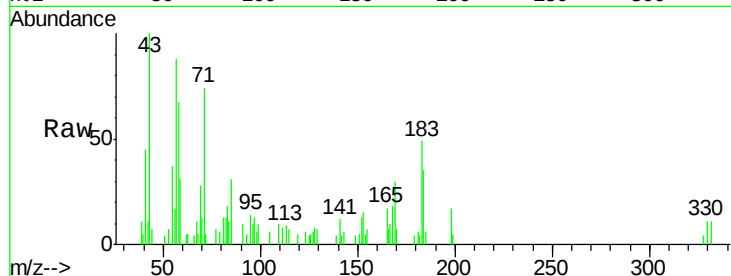




#66
 n-Nitrosodiphenylamine
 Concen: 0.272 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. 0.23 min
 Lab File: BF113734.D
 Acq: 11 Apr 2019 21:54

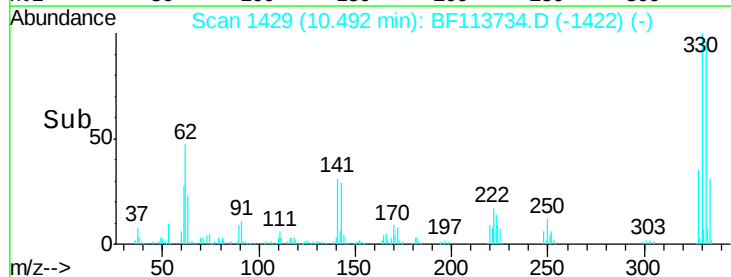
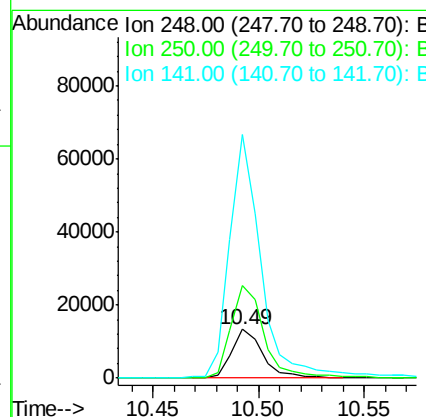
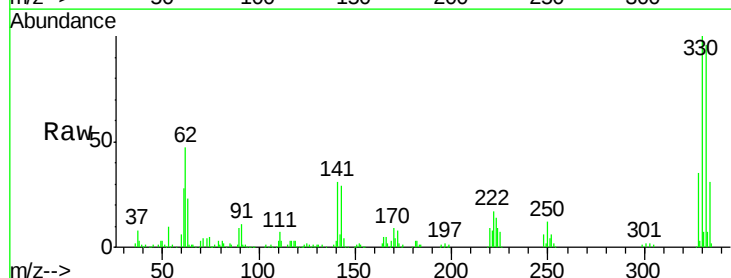
Instrument :
 BNA_F
 ClientSampleId :

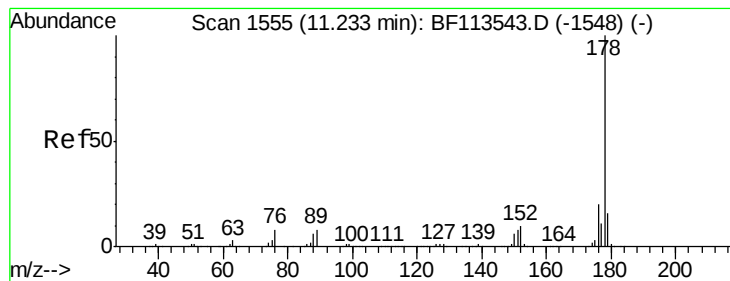
Tot Ion:169 Resp: 3240
 Ion Ratio Lower Upper
 169 100
 168 59.2 53.7 80.5
 167 31.7 29.5 44.3



#67
 4-Bromophenyl-phenylether
 Concen: 3.141 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.26 min
 Lab File: BF113734.D
 Acq: 11 Apr 2019 21:54

Tgt Ion:248 Resp: 13646
 Ion Ratio Lower Upper
 248 100
 250 191.1 78.3 117.5#
 141 500.1 56.2 84.4#





#71

Phenanthrene

Concen: 21.327 ng

RT: 11.21 min Scan# 1551

Delta R.T. -0.02 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

Instrument :

BNA_F

ClientSampleId :

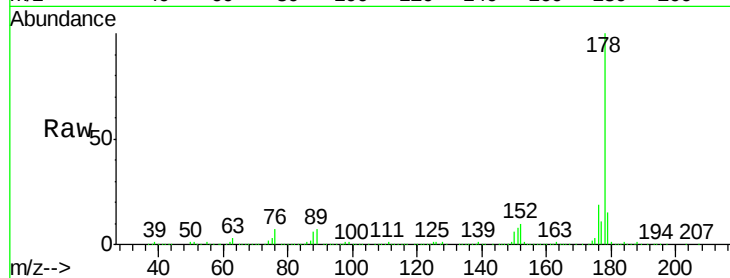
Tot Ion:178 Resp: 410509

Ion Ratio Lower Upper

178 100

176 19.4 16.2 24.2

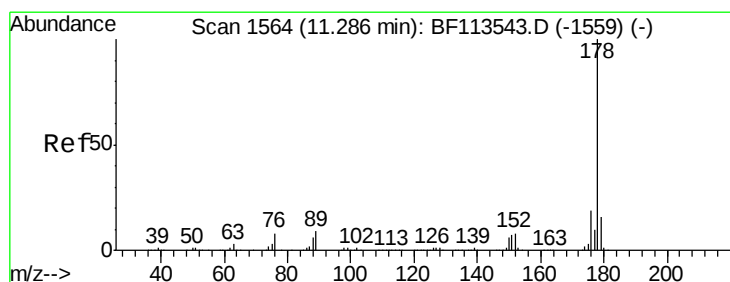
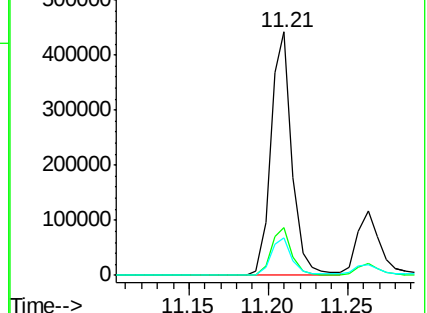
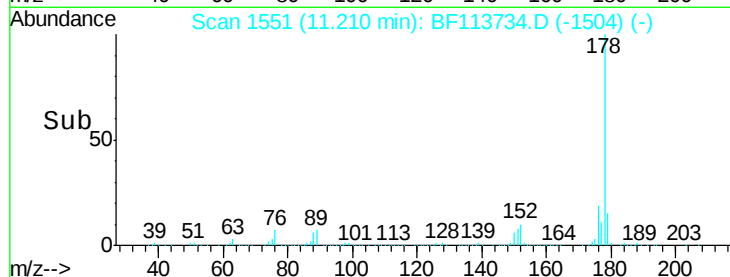
179 15.2 12.7 19.1



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: 5.910 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.02 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

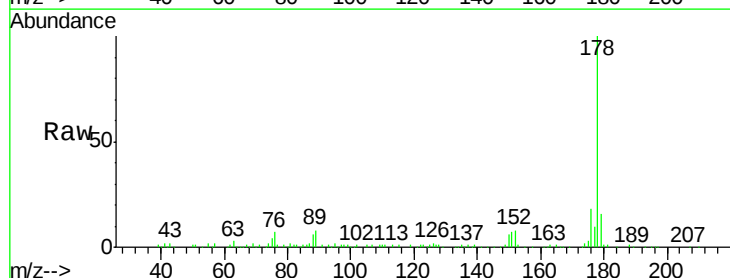
Tgt Ion:178 Resp: 115742

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.2

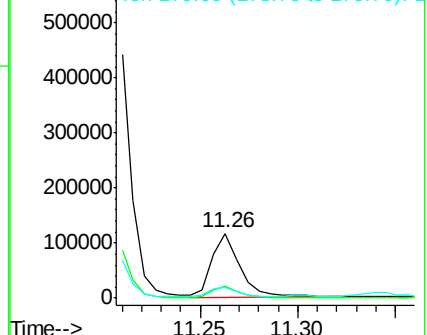
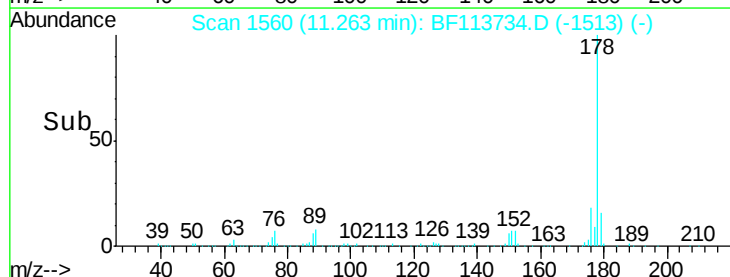
179 16.1 12.8 19.2

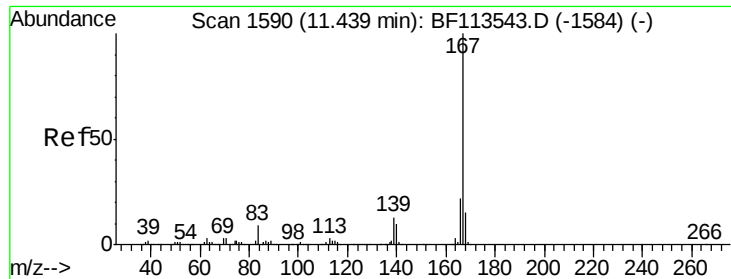


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

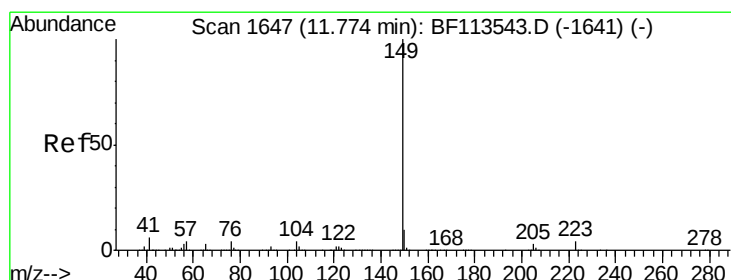
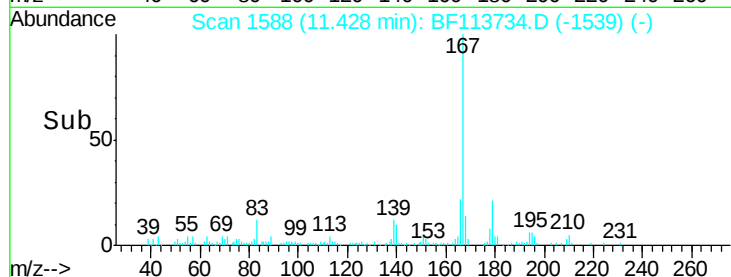
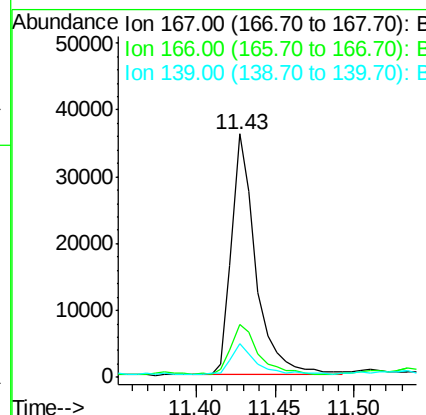
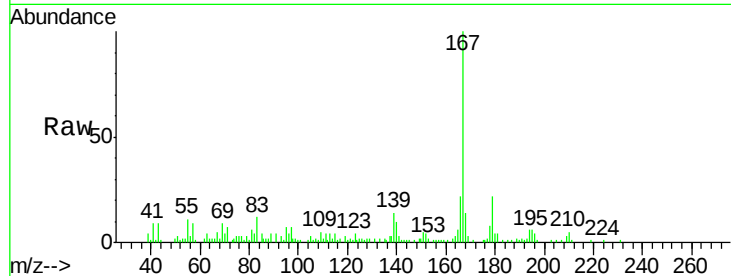




#73
 Carbazole
 Concen: 2.088 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: BF113734.D
 Acq: 11 Apr 2019 21:54

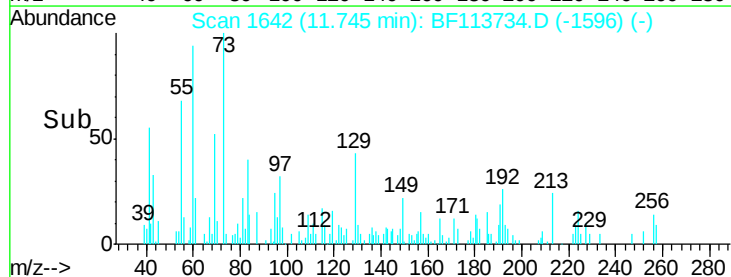
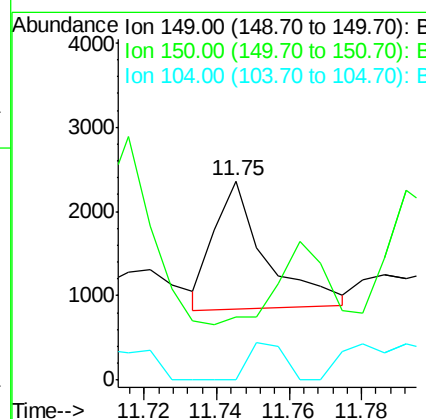
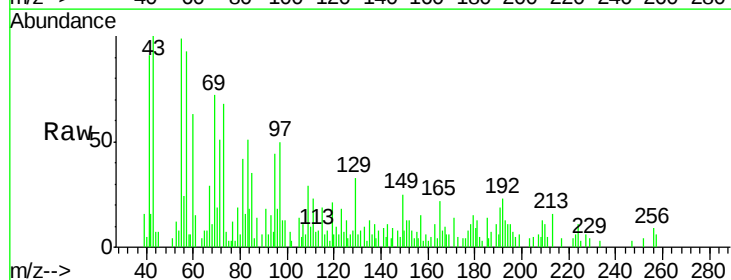
Instrument :
 BNA_F
 ClientSampleId :

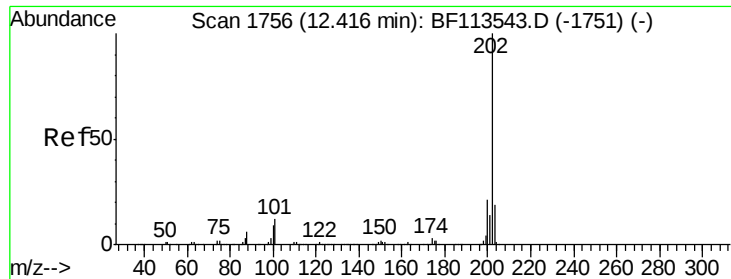
Tot Ion:167 Resp: 38252
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.4 26.0
 139 13.6 10.4 15.6



#74
 Di-n-butylphthalate
 Concen: 0.069 ng
 RT: 11.75 min Scan# 1642
 Delta R.T. -0.03 min
 Lab File: BF113734.D
 Acq: 11 Apr 2019 21:54

Tgt Ion:149 Resp: 1495
 Ion Ratio Lower Upper
 149 100
 150 31.7 7.7 11.5#
 104 0.0 3.7 5.5#





#75

Fluoranthene

Concen: 62.584 ng

RT: 12.40 min Scan# 1753

Delta R.T. -0.02 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

Instrument :

BNA_F

ClientSampleId :

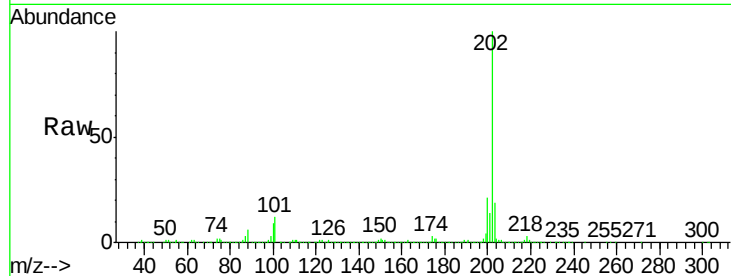
Tot Ion:202 Resp: 1290838

Ion Ratio Lower Upper

202 100

101 11.9 0.0 31.4

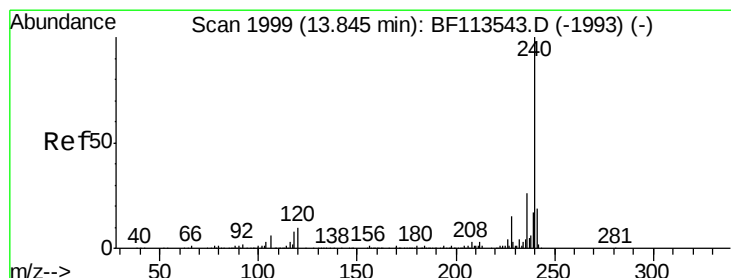
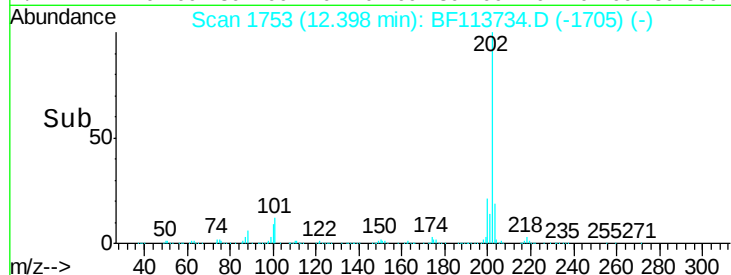
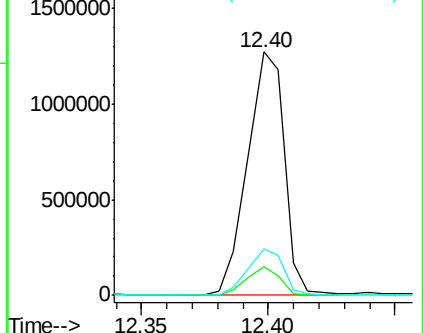
203 18.8 0.0 38.0



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: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

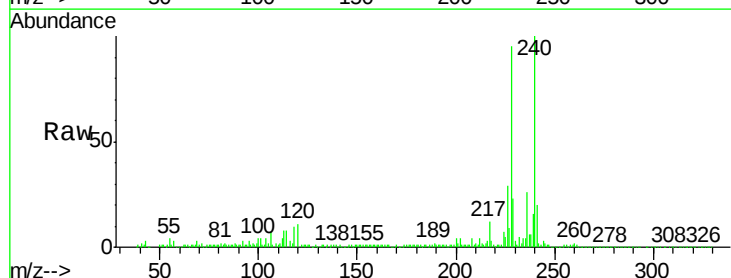
Tgt Ion:240 Resp: 305115

Ion Ratio Lower Upper

240 100

120 10.6 8.8 13.2

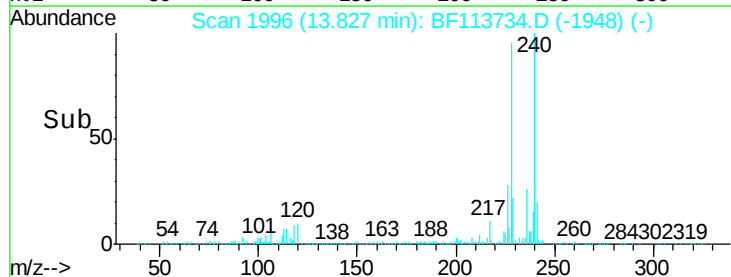
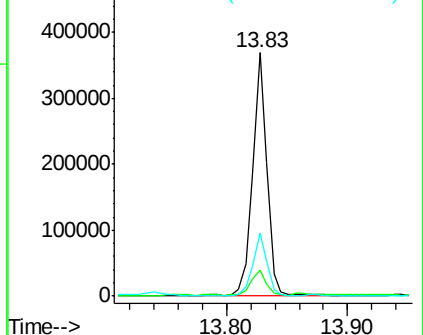
236 25.7 20.9 31.3

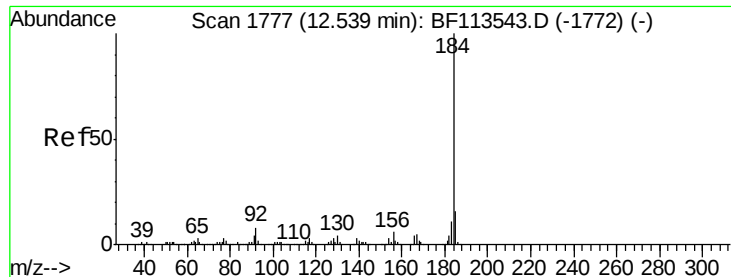


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 0.034 ng

RT: 12.55 min Scan# 1779

Delta R.T. 0.01 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

Instrument :

BNA_F

ClientSampleId :

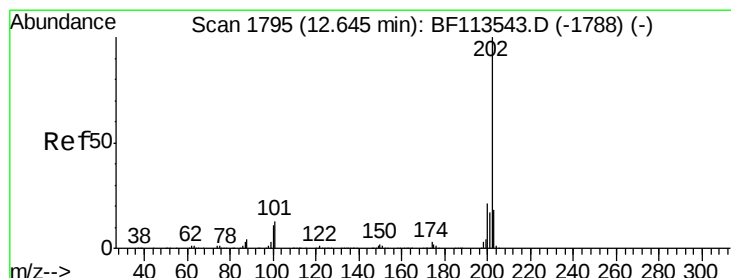
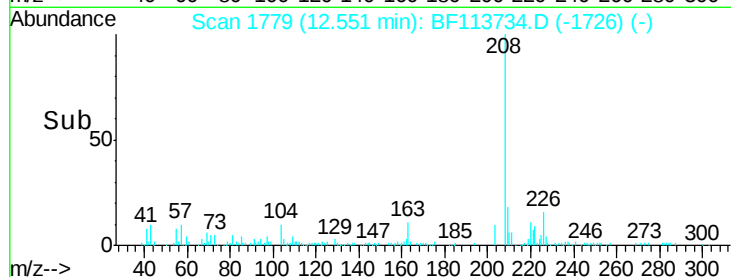
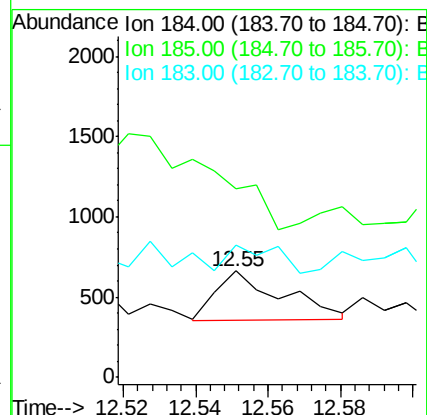
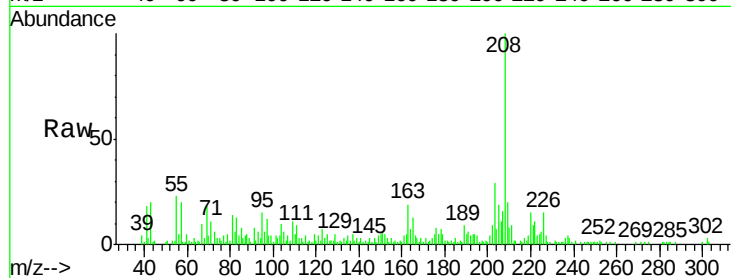
Tot Ion:184 Resp: 386

Ion Ratio Lower Upper

184 100

185 177.5 13.0 19.6#

183 123.8 9.0 13.4#



#78

Pyrene

Concen: 60.476 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.02 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

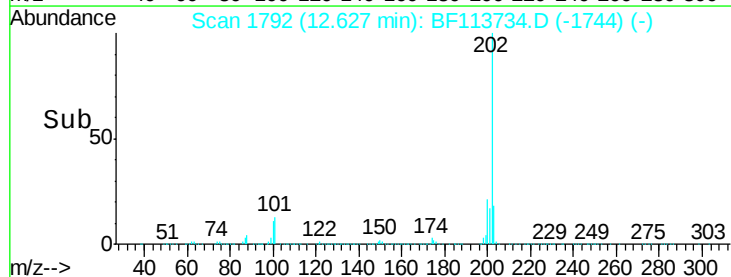
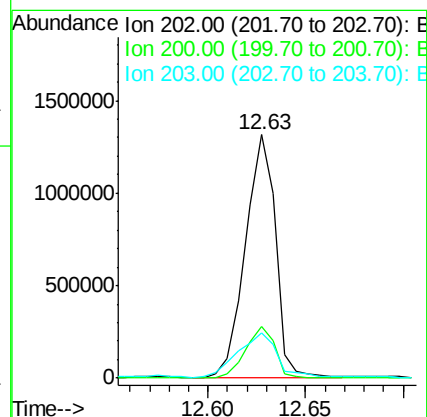
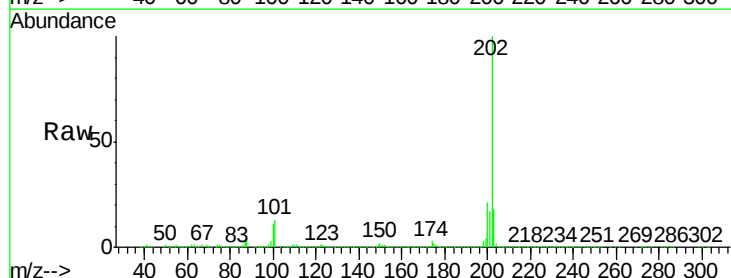
Tgt Ion:202 Resp: 1404002

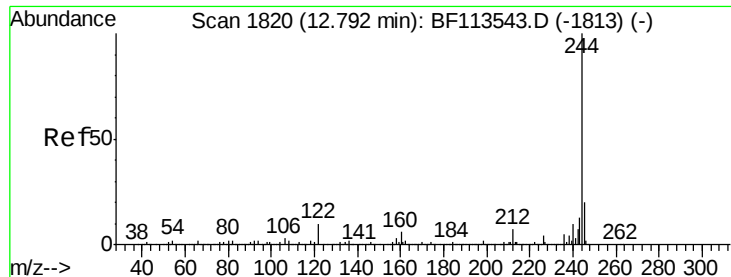
Ion Ratio Lower Upper

202 100

200 21.1 16.8 25.2

203 18.3 14.4 21.6





#79

Terphenyl-d14

Concen: 48.476 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.03 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

Instrument :

BNA_F

ClientSampled :

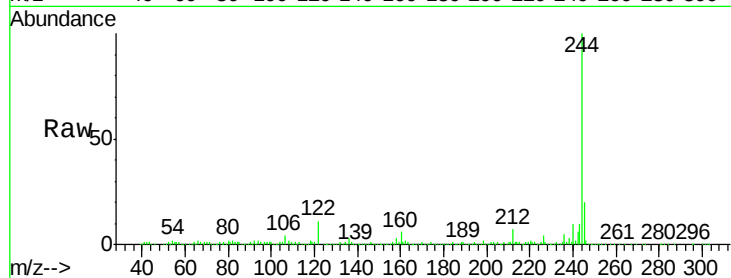
Tot Ion:244 Resp: 726452

Ion Ratio Lower Upper

244 100

212 6.6 5.5 8.3

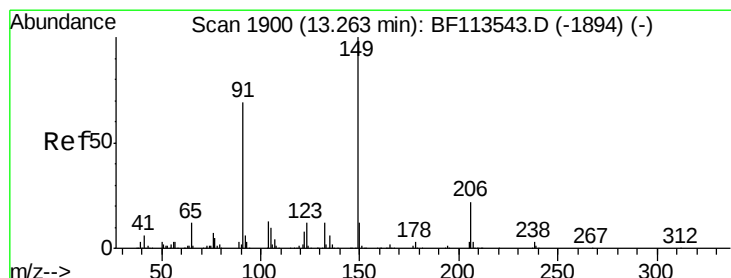
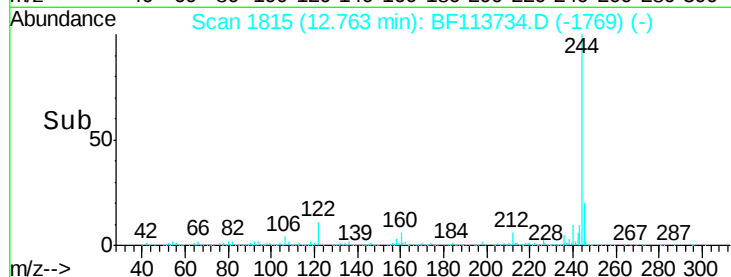
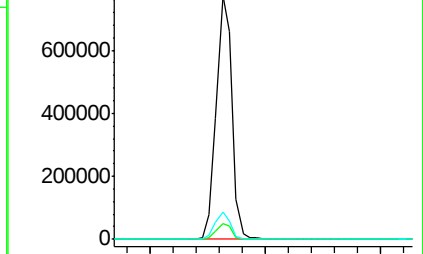
122 11.1 8.6 13.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 0.173 ng

RT: 13.27 min Scan# 1902

Delta R.T. 0.01 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

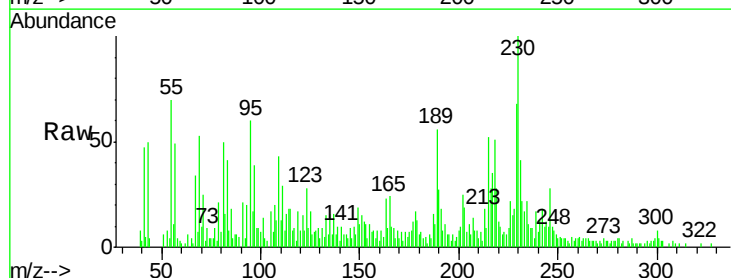
Tgt Ion:149 Resp: 1636

Ion Ratio Lower Upper

149 100

91 110.0 55.2 82.8#

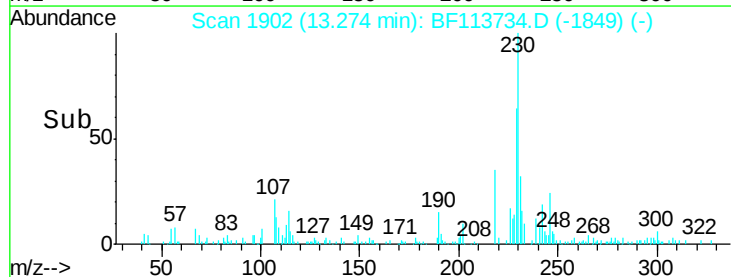
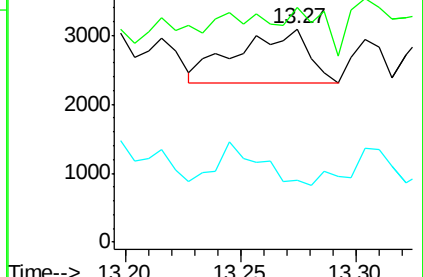
206 29.1 16.1 24.1#

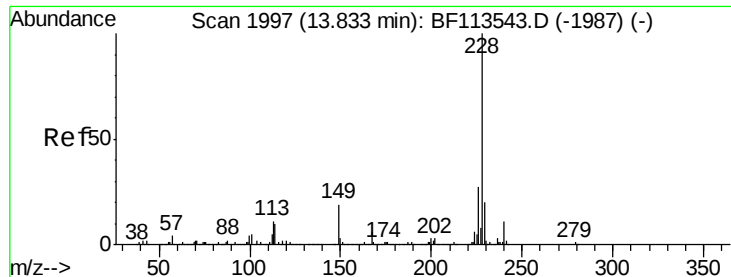


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 72.315 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.02 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

Instrument :

BNA_F

ClientSampleId :

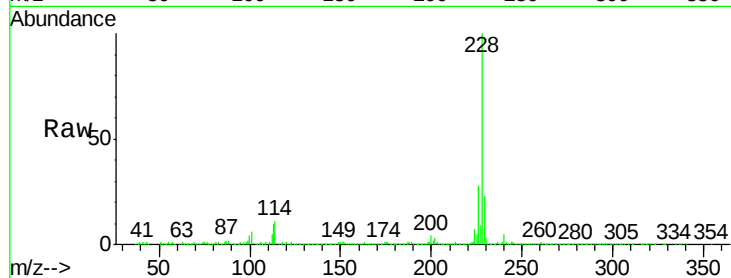
Tot Ion:228 Resp: 1272795

Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.8	32.8
229	23.3	16.2	24.4

228 100

226 27.9 21.8 32.8

229 23.3 16.2 24.4

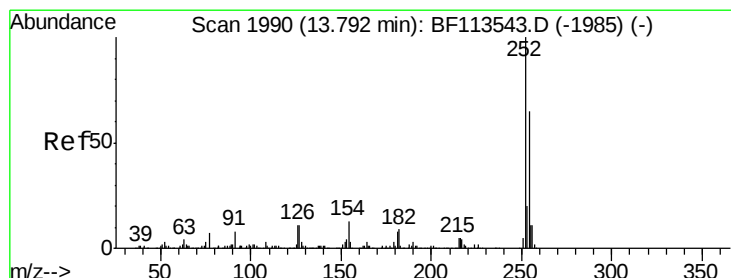
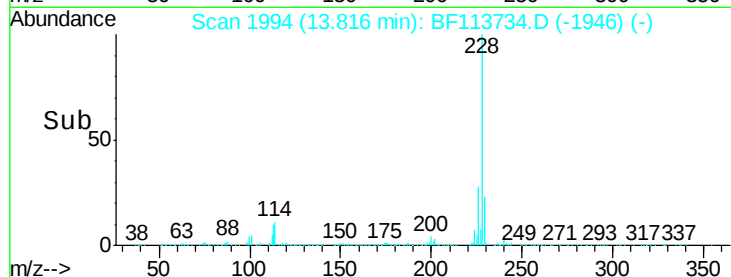
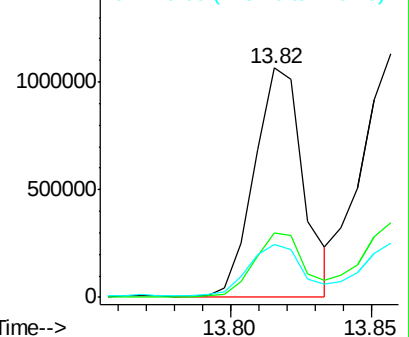


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 0.097 ng

RT: 13.80 min Scan# 1991

Delta R.T. 0.01 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

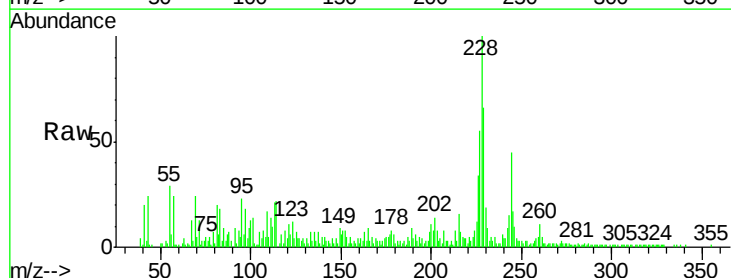
Tgt Ion:252 Resp: 658

Ion	Ratio	Lower	Upper
252	100		
254	52.8	52.2	78.2
126	127.8	8.5	12.7#

252 100

254 52.8 52.2 78.2

126 127.8 8.5 12.7#

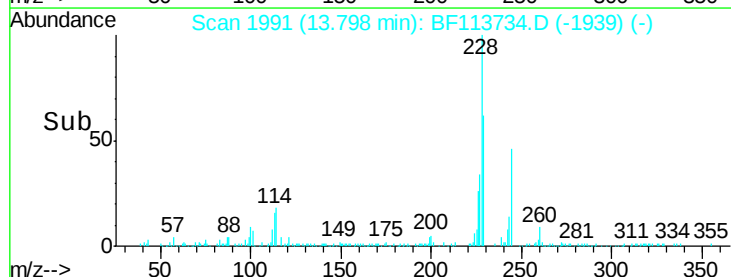
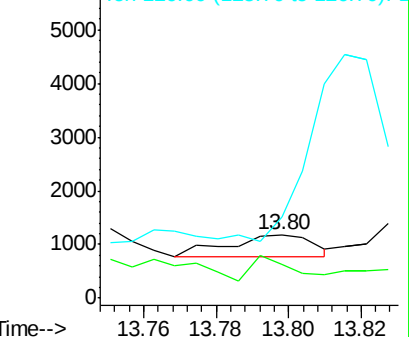


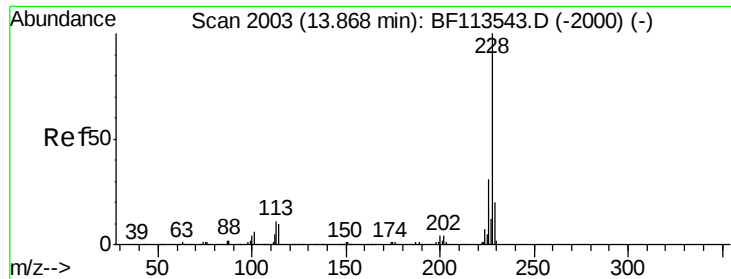
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

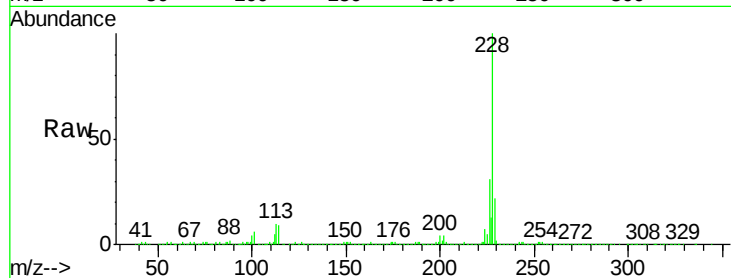




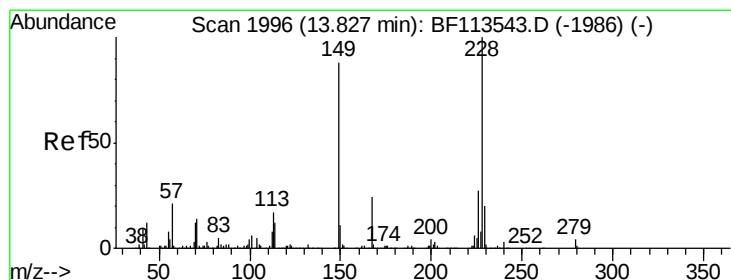
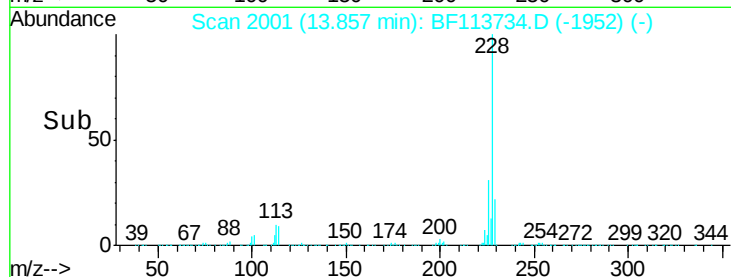
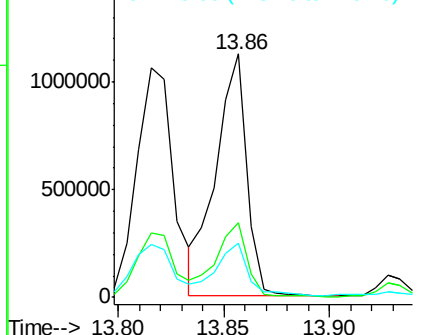
#83
 Chrvsene
 Concen: 64.265 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. -0.01 min
 Lab File: BF113734.D
 Acq: 11 Apr 2019 21:54

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:228 Resp: 1146624
 Ion Ratio Lower Upper
 228 100
 226 30.8 24.3 36.5
 229 22.3 16.3 24.5

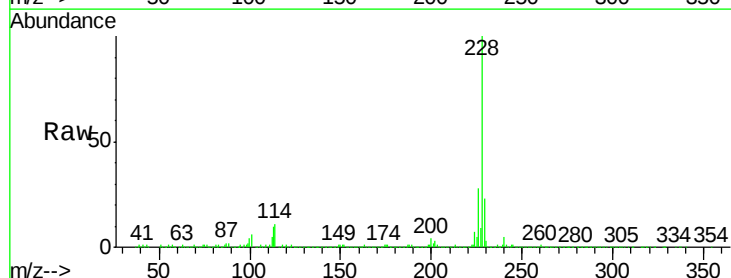


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

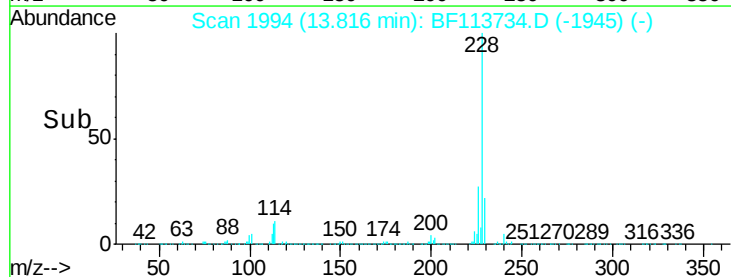
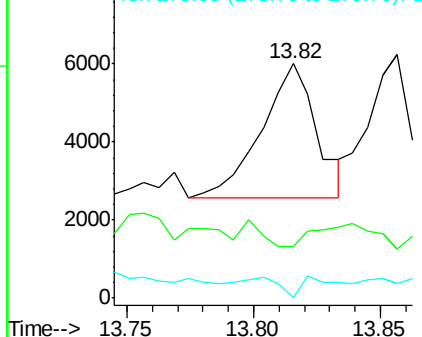


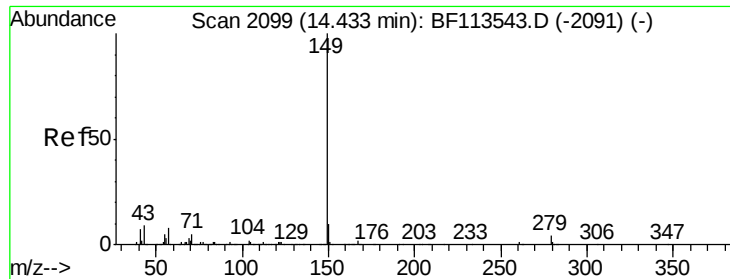
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 0.459 ng
 RT: 13.82 min Scan# 1994
 Delta R.T. -0.01 min
 Lab File: BF113734.D
 Acq: 11 Apr 2019 21:54

Tgt Ion:149 Resp: 5243
 Ion Ratio Lower Upper
 149 100
 167 22.3 21.8 32.8
 279 0.0 2.9 4.3#



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

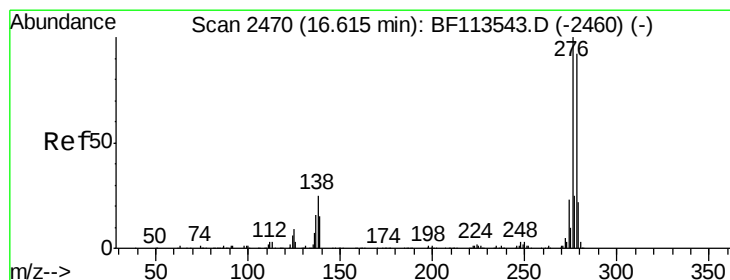
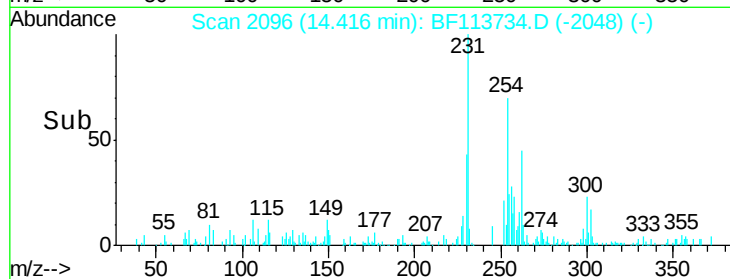
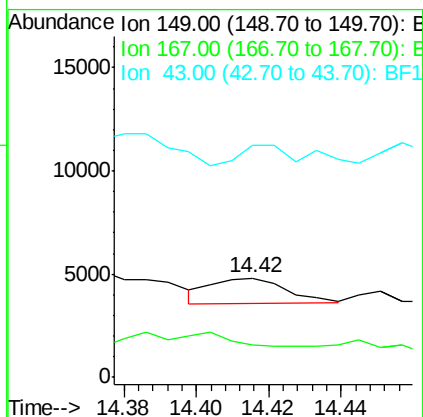
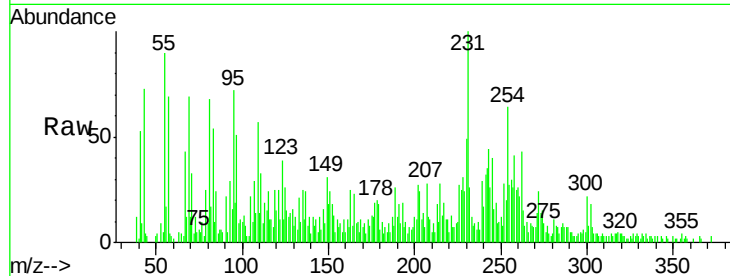




#85
Di-n-octyl phthalate
Concen: 0.095 ng
RT: 14.42 min Scan# 2096
Delta R.T. -0.02 min
Lab File: BF113734.D
Acq: 11 Apr 2019 21:54

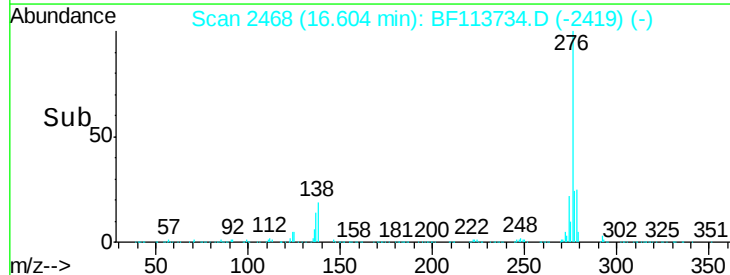
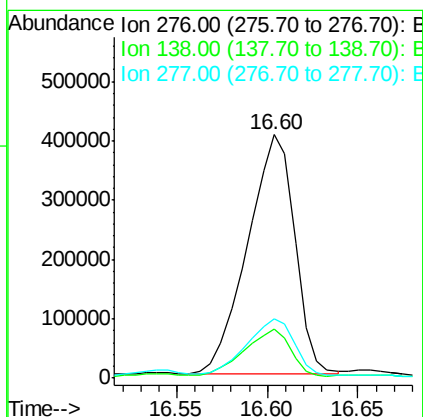
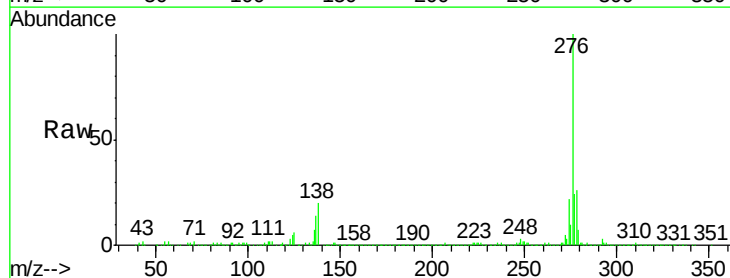
Instrument :
BNA_F
ClientSampleId :

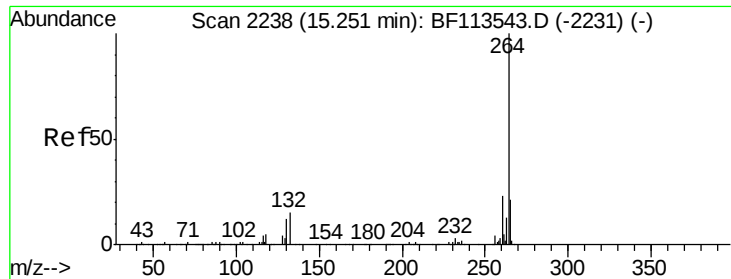
Tot Ion:149 Resp: 1770
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 73.4 7.7 11.5#



#86
Indeno(1,2,3-cd)pyrene
Concen: 44.267 ng
RT: 16.60 min Scan# 2468
Delta R.T. -0.01 min
Lab File: BF113734.D
Acq: 11 Apr 2019 21:54

Tgt Ion:276 Resp: 729218
Ion Ratio Lower Upper
276 100
138 20.0 18.1 27.1
277 23.6 20.2 30.4





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.01 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

Instrument :

BNA_F

ClientSampleId :

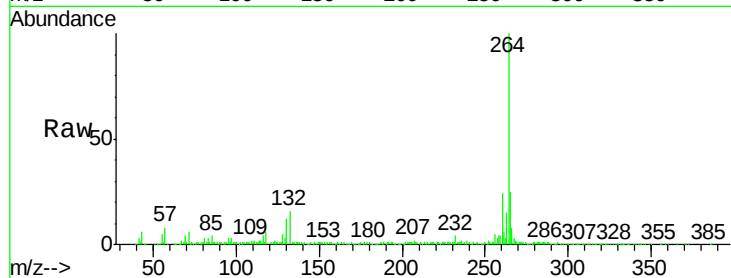
Tot Ion:264 Resp: 324925

Ion Ratio Lower Upper

264 100

260 24.0 19.1 28.7

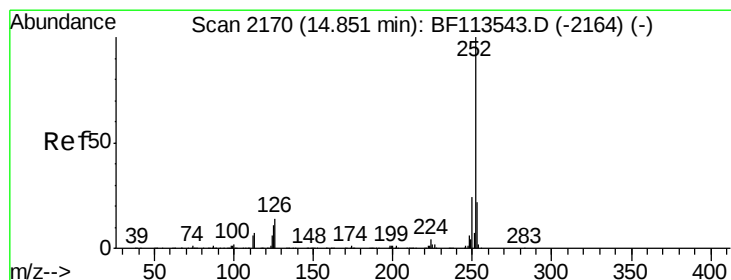
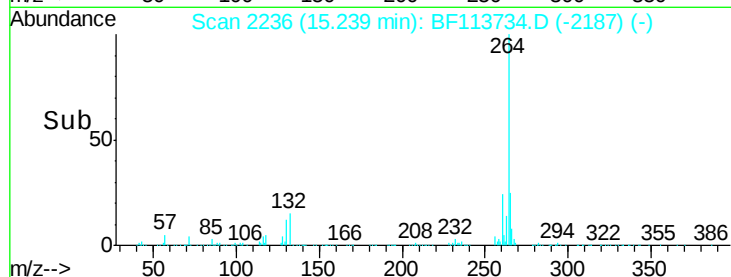
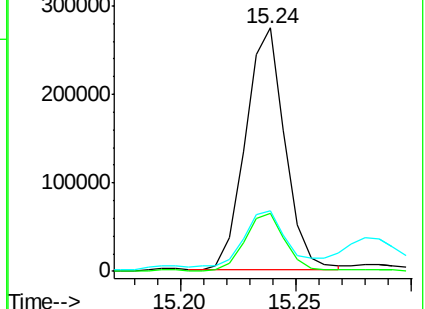
265 25.1 17.1 25.7



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 111.752 ng

RT: 14.85 min Scan# 2170

Delta R.T. 0.00 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

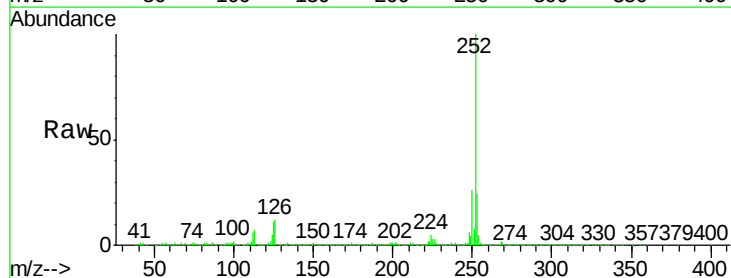
Tgt Ion:252 Resp: 2222680

Ion Ratio Lower Upper

252 100

253 23.8 18.0 27.0

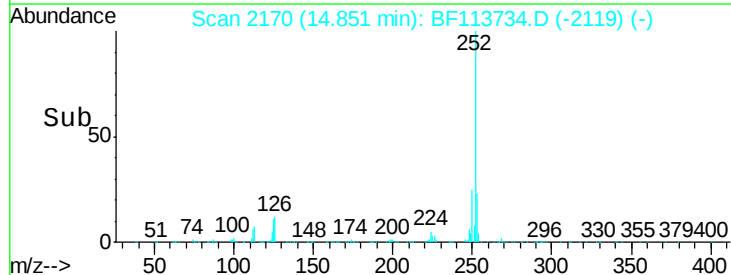
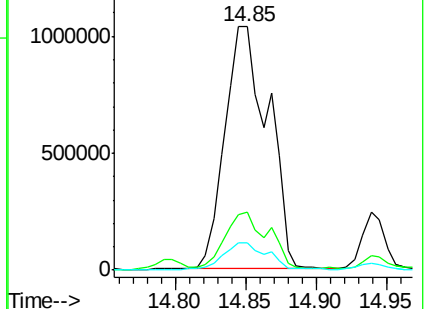
125 11.2 7.6 11.4

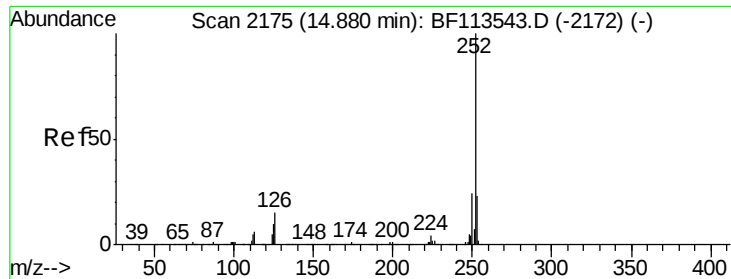


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

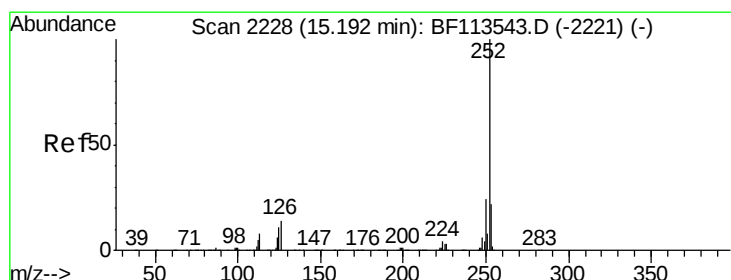
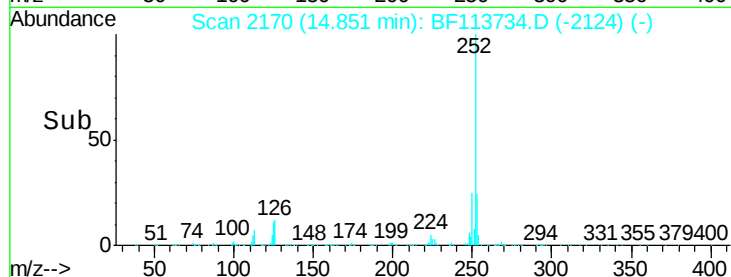
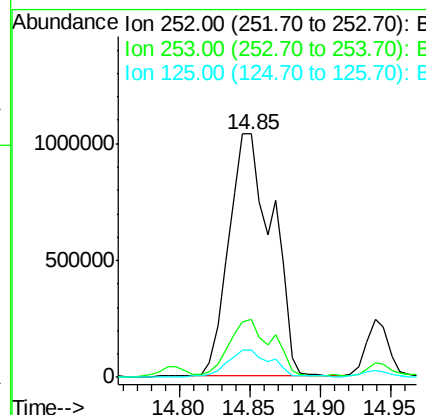
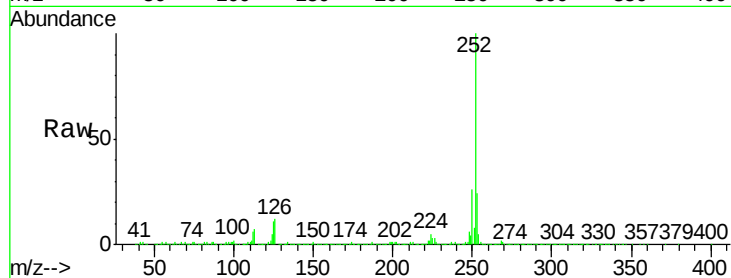




#89
Benzo(k)fluoranthene
Concen: 124.486 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF113734.D
Acq: 11 Apr 2019 21:54

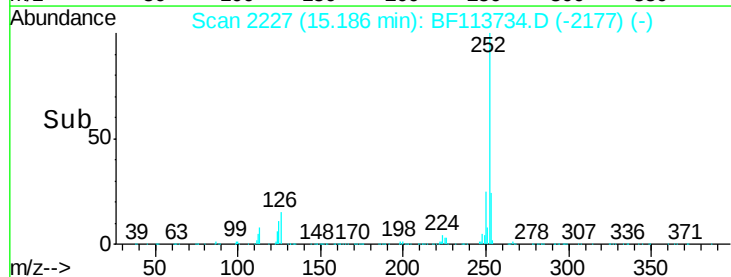
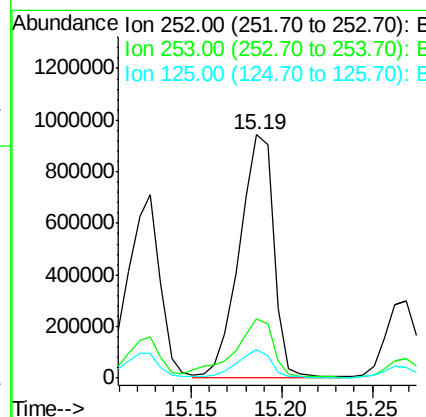
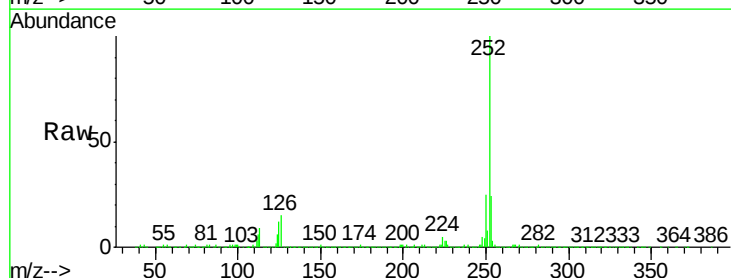
Instrument :
BNA_F
ClientSampleId :

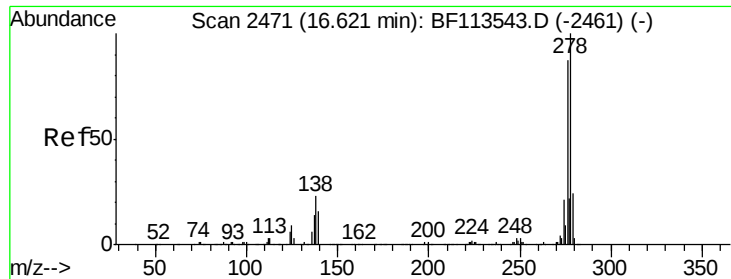
Tot Ion:252 Resp: 2222121
Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 11.2 7.3 10.9#



#90
Benzo(a)pyrene
Concen: 69.778 ng
RT: 15.19 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BF113734.D
Acq: 11 Apr 2019 21:54

Tgt Ion:252 Resp: 1233246
Ion Ratio Lower Upper
252 100
253 24.4 17.9 26.9
125 11.7 8.8 13.2

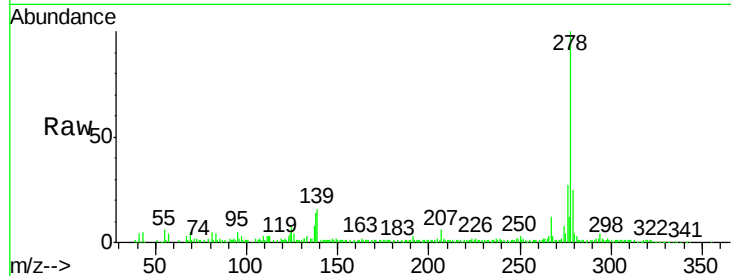




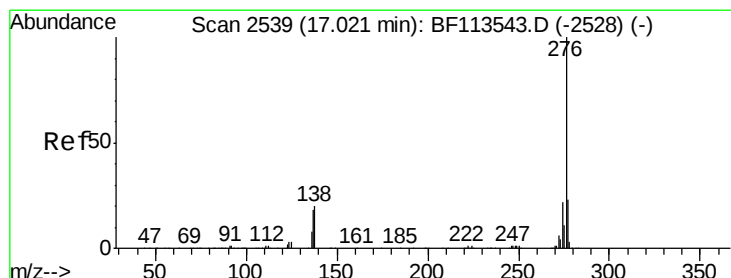
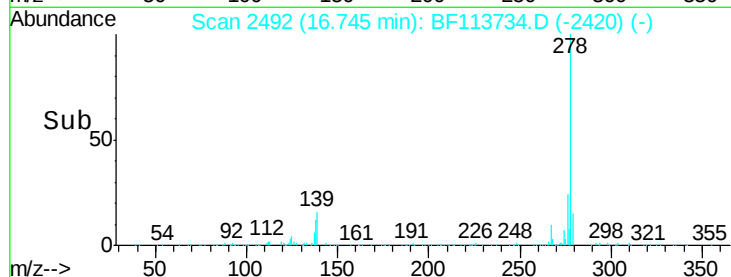
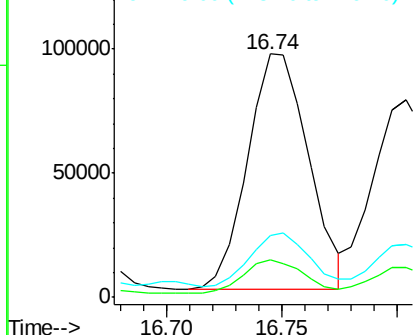
#91
Dibenzo(a,h)anthracene
Concen: 10.544 ng
RT: 16.74 min Scan# 2492
Delta R.T. 0.12 min
Lab File: BF113734.D
Acq: 11 Apr 2019 21:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 174261
Ion Ratio Lower Upper
278 100
139 15.6 12.0 18.0
279 25.5 19.0 28.6

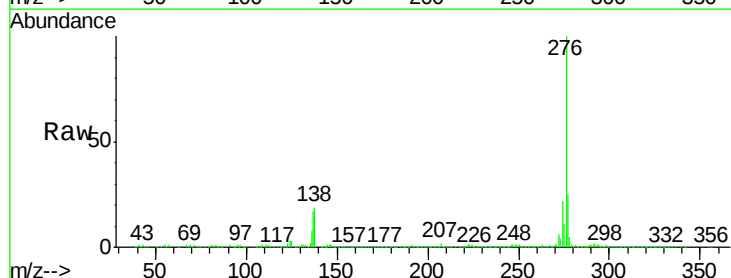


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 41.159 ng
RT: 17.02 min Scan# 2538
Delta R.T. -0.01 min
Lab File: BF113734.D
Acq: 11 Apr 2019 21:54

Tgt Ion:276 Resp: 694335
Ion Ratio Lower Upper
276 100
277 24.9 18.8 28.2
138 19.4 15.6 23.4



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

