

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
 Data File : BF113957.D
 Acq On : 24 Apr 2019 13:24
 Operator : JU/SJ
 Sample : K2542-11
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 25 01:22:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	137751	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	505710	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	249702	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	447388	20.00	ng	0.00
76) Chrysene-d12	14.06	240	312860	20.00	ng	-0.01
87) Perylene-d12	15.56	264	414697	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	787880	97.83	ng	0.00
7) Phenol-d6	6.52	99	1013381	100.29	ng	0.00
23) Nitrobenzene-d5	7.45	82	616545	75.28	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	258742	85.06	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1120533	70.19	ng	0.00
79) Terphenyl-d14	13.00	244	989916	64.87	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.75	88	112	0.030	ng	# 1
6) Aniline	6.66	93	1004	0.072	ng	# 1
8) 2-Chlorophenol	6.68	128	120	0.013	ng	# 1
9) Benzaldehyde	6.52	77	1418	Below Cal		# 3
10) Phenol	6.53	94	2475	0.205	ng	# 50
11) bis(2-Chloroethyl)ether	6.66	93	1004	0.110	ng	# 1
15) Benzyl Alcohol	7.05	79	10147	1.491	ng	# 46
19) n-Nitroso-di-n-propylamine	7.45	70	82685	12.636	ng	# 77
22) Acetophenone	7.29	105	127	0.011	ng	# 58
24) Nitrobenzene	7.45	77	1802	0.199	ng	# 35
25) Isophorone	7.45	82	616534	36.788	ng	# 65
27) 2,4-Dimethylphenol	7.90	122	547	0.081	ng	# 4
32) Benzoic acid	7.93	122	122	0.027	ng	# 52
38) 1-Methylnaphthalene	9.25	142	368	0.024	ng	# 54
46) 1,1'-Biphenyl	9.35	154	2126	0.111	ng	# 88
47) 2-Chloronaphthalene	9.64	162	679	0.044	ng	# 1
48) 2-Nitroaniline	9.64	65	1022	0.251	ng	# 1
49) Acenaphthylene	9.79	152	575	0.024	ng	# 59
50) Dimethylphthalate	9.64	163	135398	7.498	ng	# 98
51) 2,6-Dinitrotoluene	9.64	165	1272	0.328	ng	# 1
52) Acenaphthene	9.96	154	108	0.008	ng	# 6
57) 2,4-Dinitrotoluene	9.93	165	31782	6.499	ng	# 29
58) Fluorene	10.72	166	10250	0.633	ng	# 84
60) Diethylphthalate	10.35	149	482	0.028	ng	# 57
63) Azobenzene	10.72	77	1116	0.067	ng	# 28
65) 4,6-Dinitro-2-methylphenol	10.72	198	474	7.504	ng	# 1
66) n-Nitrosodiphenylamine	10.72	169	6335	0.472	ng	# 41
67) 4-Bromophenyl-phenylether	10.72	248	16391	3.033	ng	# 1
71) Phenanthrene	11.43	178	4150	0.185	ng	# 95
72) Anthracene	11.43	178	4150	0.183	ng	# 96
73) Carbazole	11.65	167	444	0.022	ng	# 59
74) Di-n-butylphthalate	11.97	149	1514	0.064	ng	# 77
75) Fluoranthene	12.63	202	7667	0.313	ng	# 96
77) Benzdine	13.00	184	10979	1.178	ng	# 95

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 Misc :
 ALS Vial : 9 Sample Multiplier: 1

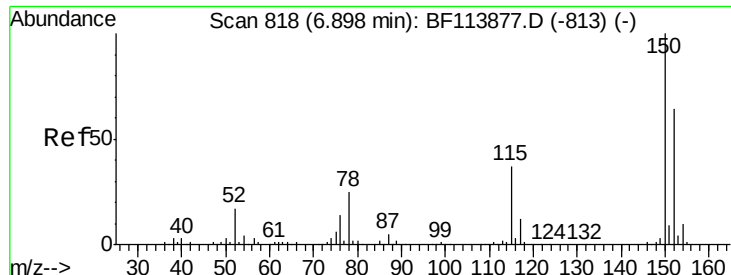
Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 25 01:22:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

78) Pyrene	12.85	202	6834	0.312	nq	96
80) Butylbenzylphthalate	13.47	149	127	0.015	nq #	75
81) Benzo(a)anthracene	14.08	228	3614	0.196	nq	94
83) Chrysene	14.08	228	3614	0.201	nq	97
84) Bis(2-ethylhexyl)phthalate	14.04	149	3541	0.323	nq #	95
85) Di-n-octyl phthalate	14.67	149	283	0.017	nq #	80
86) Indeno(1,2,3-cd)pyrene	17.04	276	3139	0.185	nq #	87
88) Benzo(b)fluoranthene	15.12	252	7584	0.289	nq #	93
89) Benzo(k)fluoranthene	15.12	252	7584	0.336	nq #	94
90) Benzo(a)pyrene	15.49	252	4193	0.185	nq #	94
91) Dibenzo(a,h)anthracene	17.04	278	923	0.043	nq #	57
92) Benzo(a,h,i)perylene	17.49	276	3255	0.151	nq	95

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

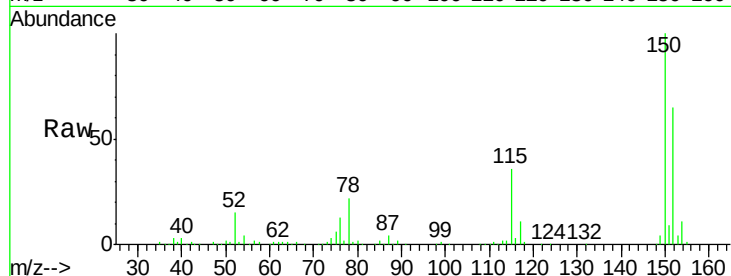


#1

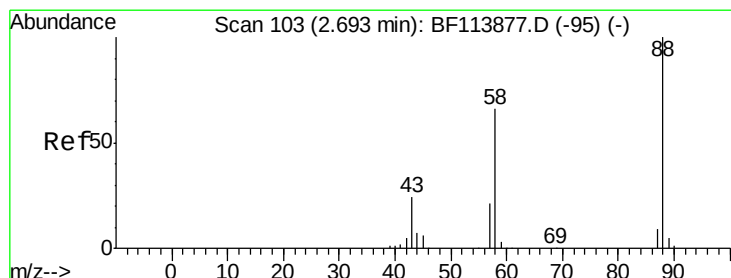
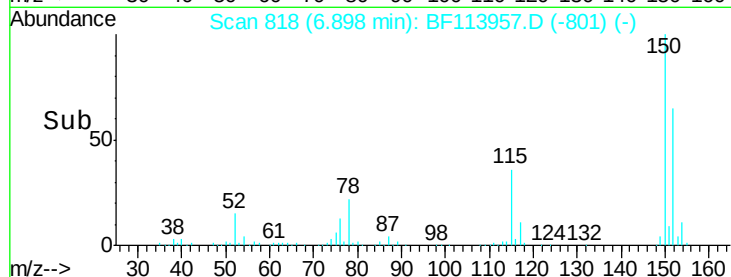
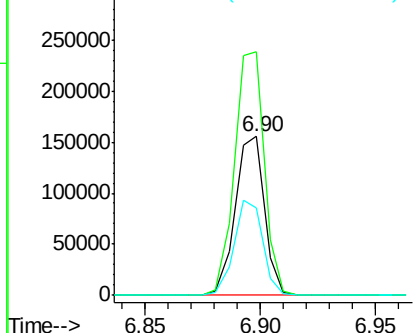
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF113957.D
Acq: 24 Apr 2019 13:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 137751
Ion Ratio Lower Upper
152 100
150 153.2 125.9 188.9
115 55.0 45.9 68.9



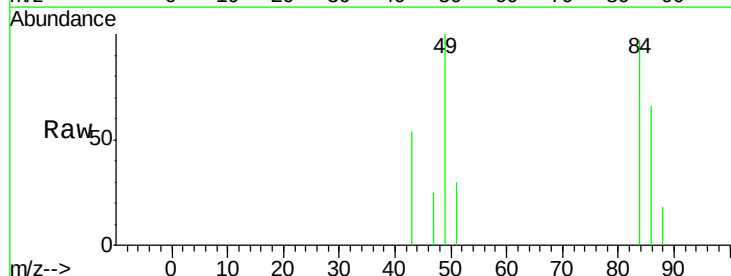
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



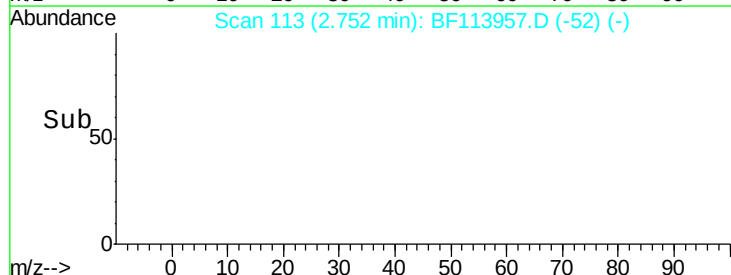
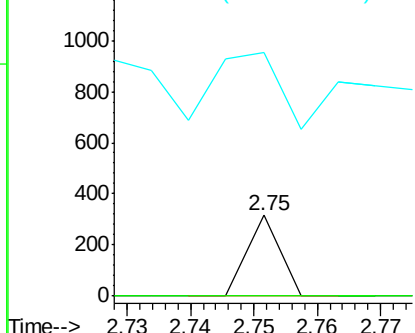
#2

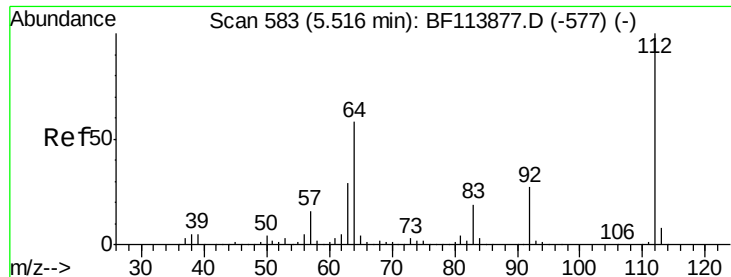
1,4-Dioxane
Concen: 0.030 ng
RT: 2.75 min Scan# 113
Delta R.T. 0.06 min
Lab File: BF113957.D
Acq: 24 Apr 2019 13:24

Tgt Ion: 88 Resp: 112
Ion Ratio Lower Upper
88 100
58 0.0 53.3 79.9#
43 183.0 19.0 28.4#



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





#5

2-Fluorophenol

Concen: 97.825 ng

RT: 5.52 min Scan# 584

Delta R.T. 0.01 min

Lab File: BF113957.D

Acq: 24 Apr 2019 13:24

Instrument :

BNA_F

ClientSampled :

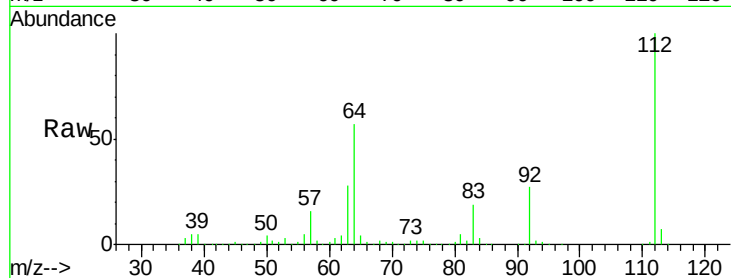
Tot Ion:112 Resp: 787880

Ion Ratio Lower Upper

112 100

64 56.8 46.6 69.8

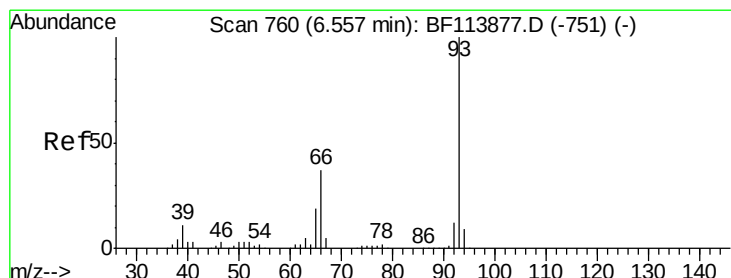
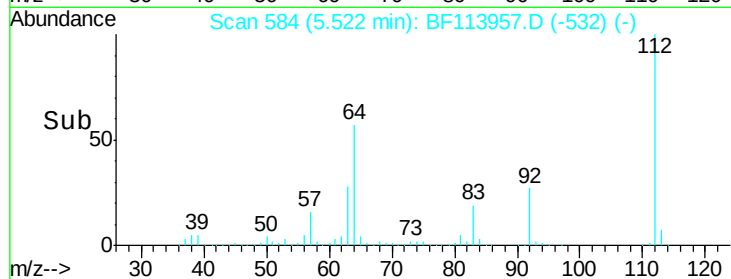
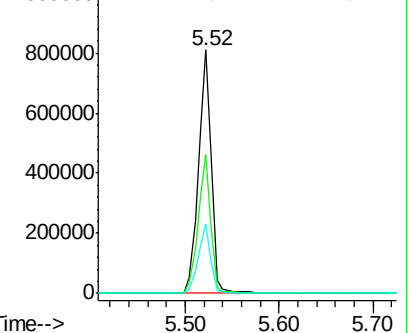
63 28.4 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 0.072 ng

RT: 6.66 min Scan# 778

Delta R.T. 0.11 min

Lab File: BF113957.D

Acq: 24 Apr 2019 13:24

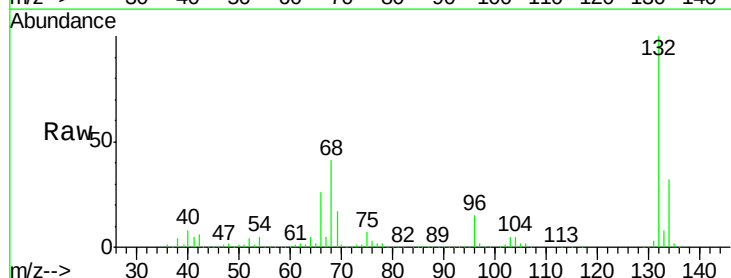
Tgt Ion: 93 Resp: 1004

Ion Ratio Lower Upper

93 100

66 19468.4 29.8 44.6#

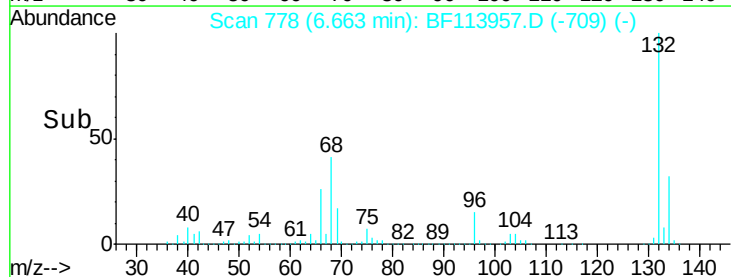
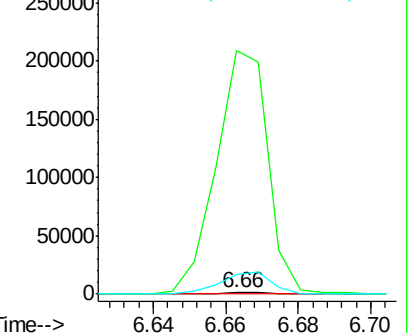
65 1532.9 14.9 22.3#

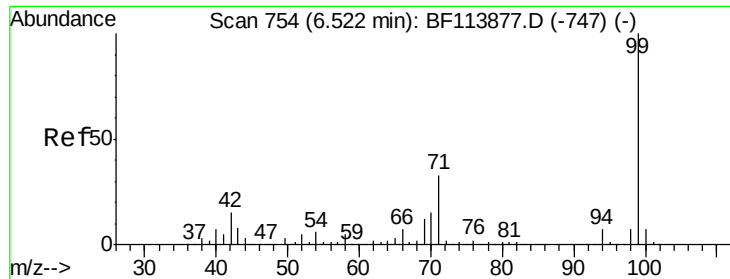


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 100.289 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF113957.D

Acq: 24 Apr 2019 13:24

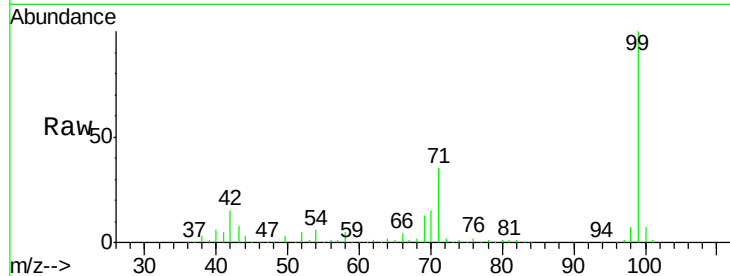
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1013381

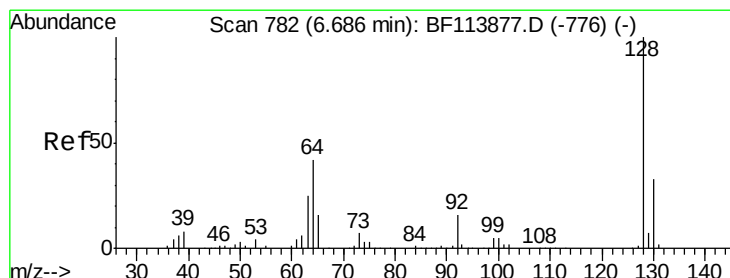
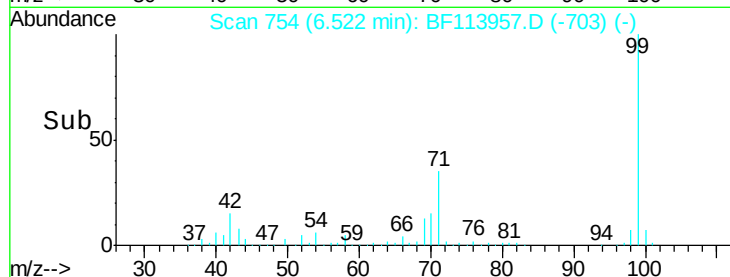
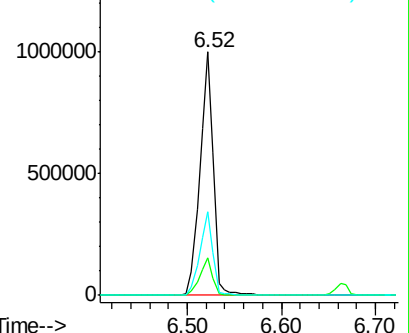
Ion	Ratio	Lower	Upper
99	100		
42	15.3	12.5	18.7
71	34.6	26.9	40.3



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



#8

2-Chlorophenol

Concen: 0.013 ng

RT: 6.68 min Scan# 781

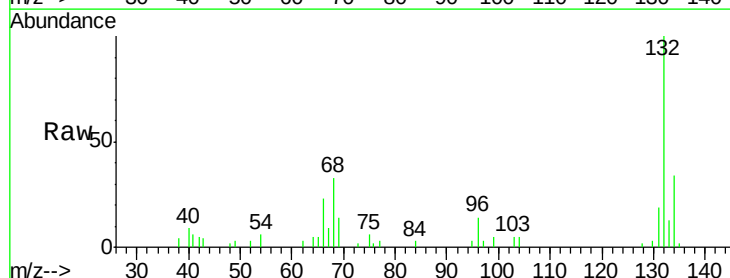
Delta R.T. -0.01 min

Lab File: BF113957.D

Acq: 24 Apr 2019 13:24

Tgt Ion: 128 Resp: 120

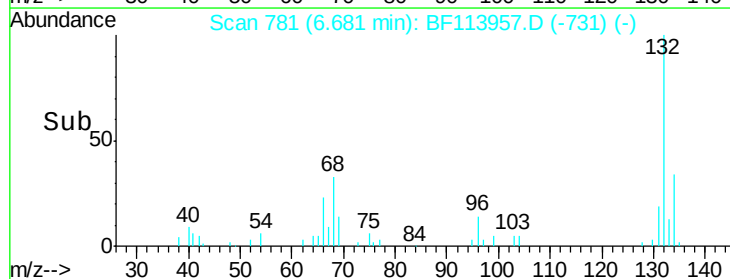
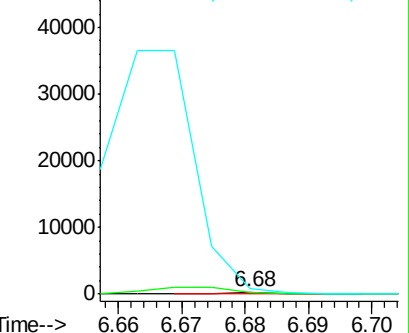
Ion	Ratio	Lower	Upper
128	100		
130	102.1	12.3	52.3#
64	219.7	26.1	66.1#

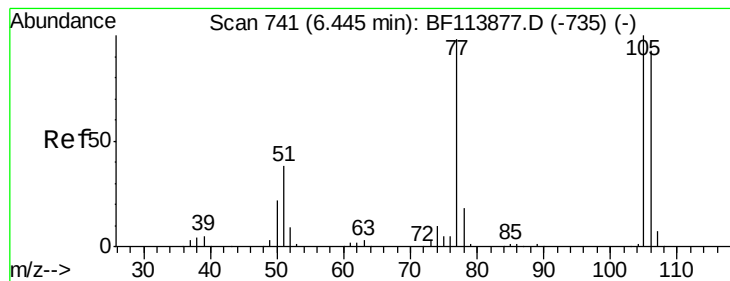


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: Below Cal

RT: 6.52 min Scan# 754

Delta R.T. 0.08 min

Lab File: BF113957.D

Acq: 24 Apr 2019 13:24

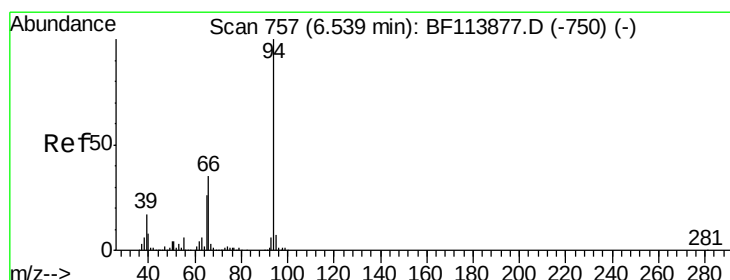
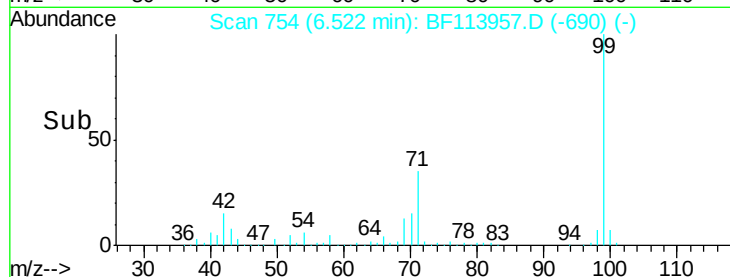
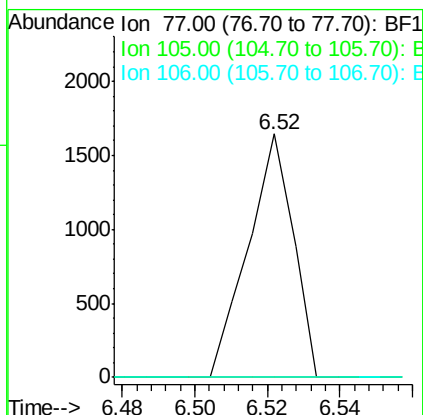
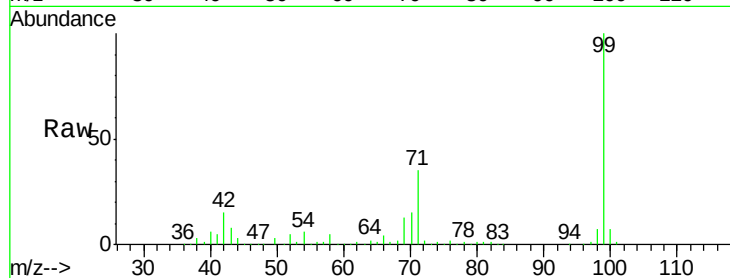
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 1418

Ion	Ratio	Lower	Upper
77	100		
105	0.0	74.1	114.1#
106	0.0	70.3	110.3#



#10

Phenol

Concen: 0.205 ng

RT: 6.53 min Scan# 756

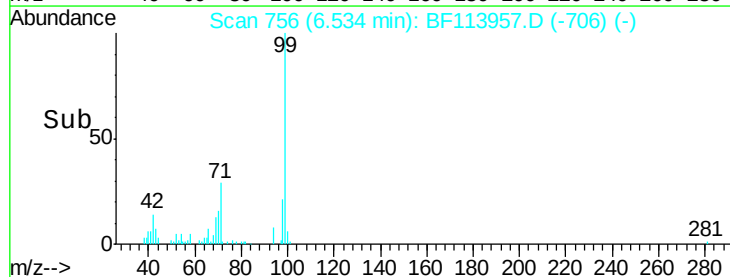
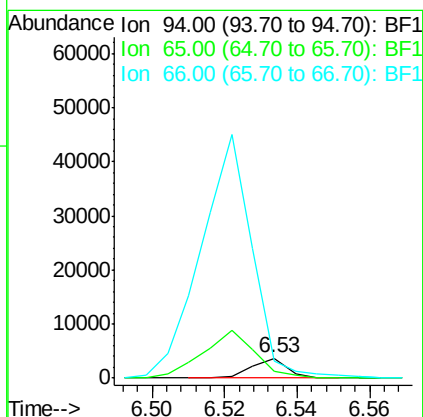
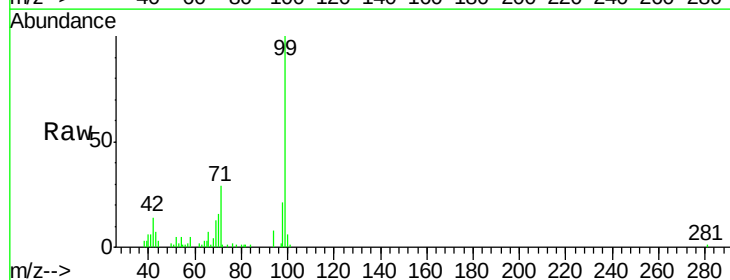
Delta R.T. -0.01 min

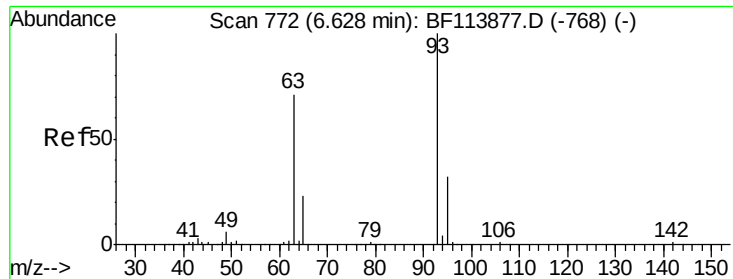
Lab File: BF113957.D

Acq: 24 Apr 2019 13:24

Tgt Ion: 94 Resp: 2475

Ion	Ratio	Lower	Upper
94	100		
65	34.9	8.1	48.1
66	83.5	16.6	56.6#

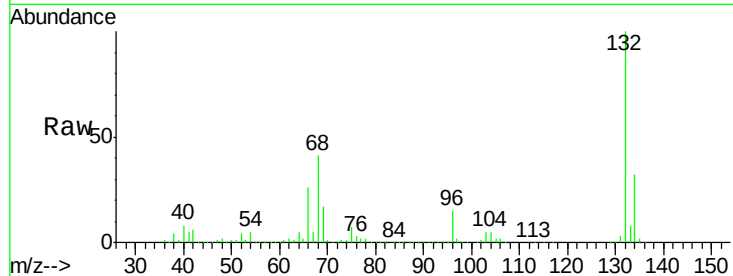




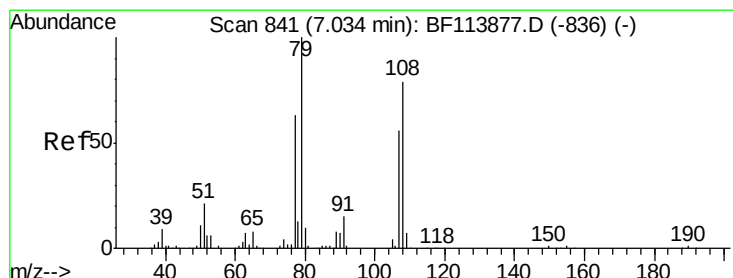
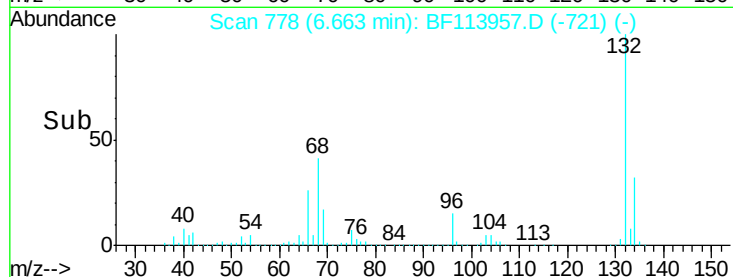
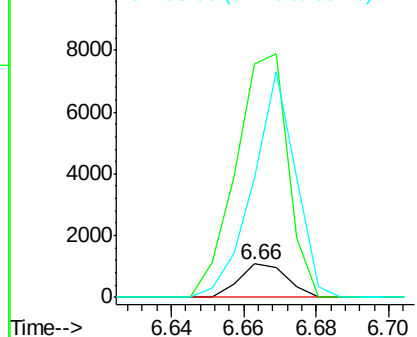
#11
bis(2-Chloroethyl)ether
Concen: 0.110 ng
RT: 6.66 min Scan# 778
Delta R.T. 0.04 min
Lab File: BF113957.D
Acq: 24 Apr 2019 13:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 93 Resp: 1004
Ion Ratio Lower Upper
93 100
63 704.0 50.7 90.7#
95 359.7 12.3 52.3#

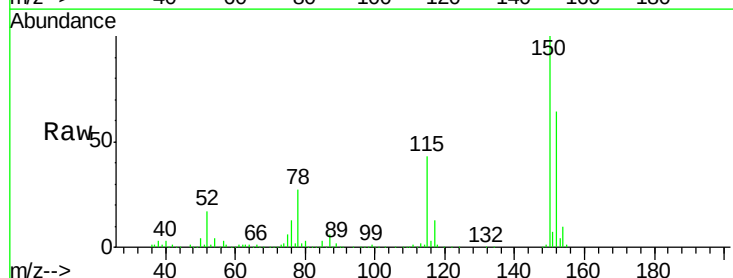


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

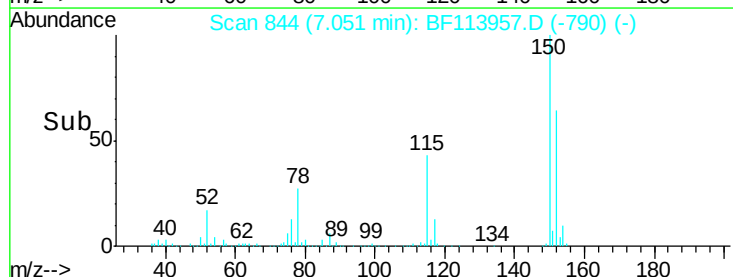
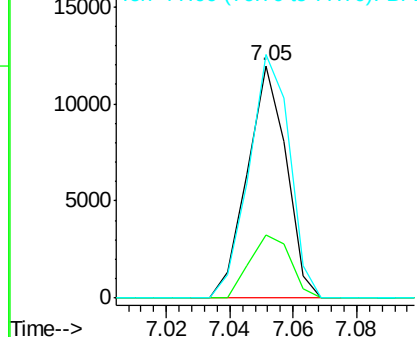


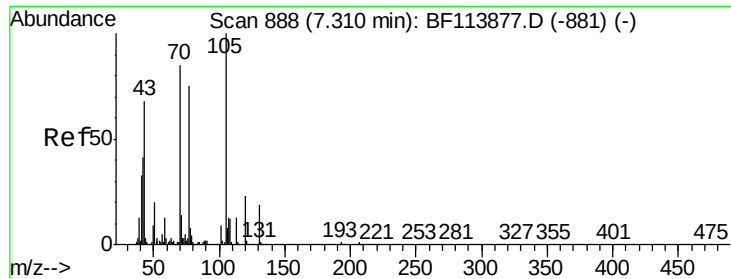
#15
Benzyl Alcohol
Concen: 1.491 ng
RT: 7.05 min Scan# 844
Delta R.T. 0.02 min
Lab File: BF113957.D
Acq: 24 Apr 2019 13:24

Tgt Ion: 79 Resp: 10147
Ion Ratio Lower Upper
79 100
108 27.4 61.4 92.0#
77 104.7 51.6 77.4#



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

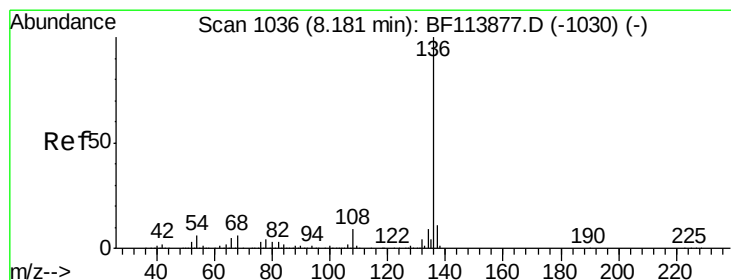
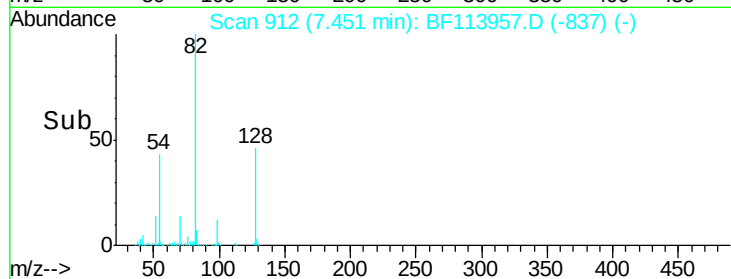
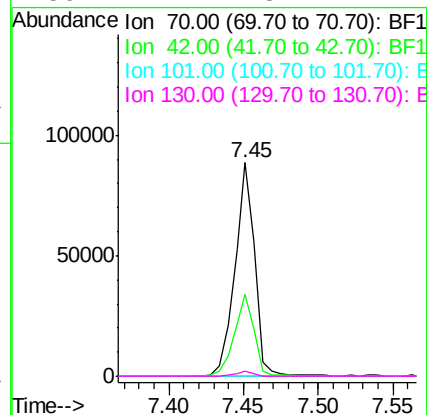
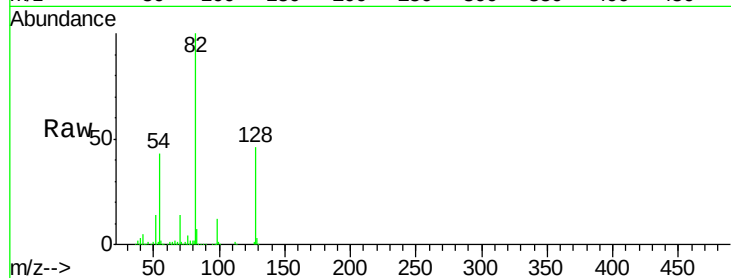




#19
n-Nitroso-di-n-propylamine
Concen: 12.636 ng
RT: 7.45 min Scan# 912
Delta R.T. 0.14 min
Lab File: BF113957.D
Acq: 24 Apr 2019 13:24

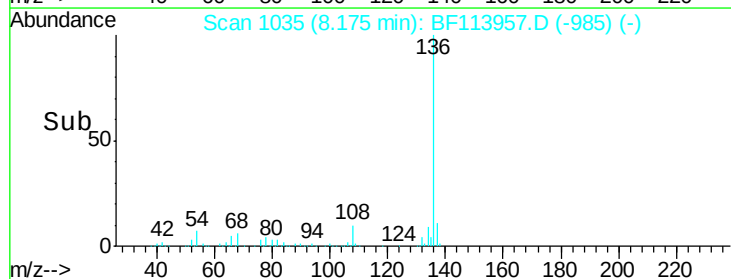
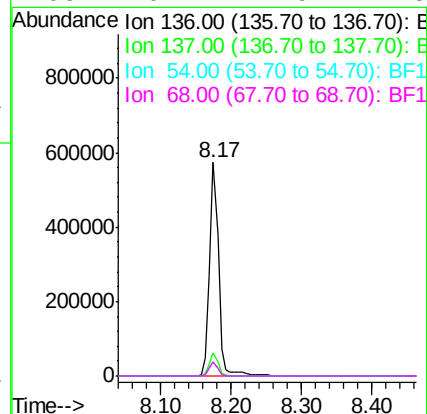
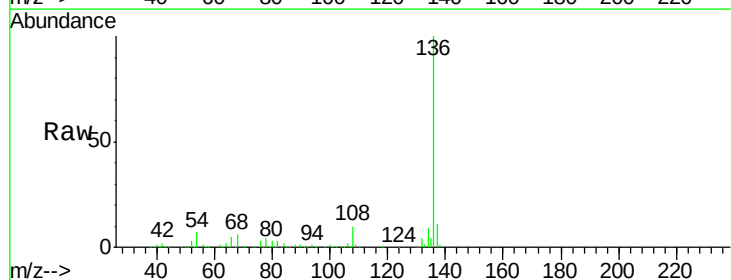
Instrument :
BNA_F
ClientSampleId :

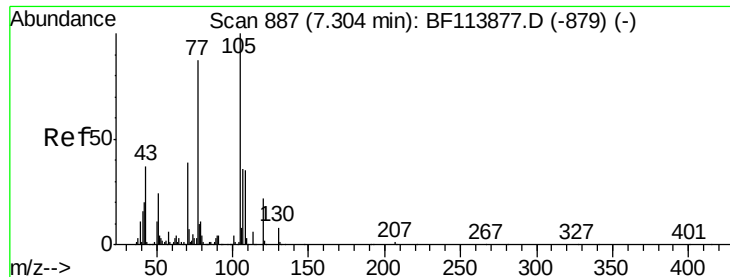
Tot Ion: 70 Resp: 82685
Ion Ratio Lower Upper
70 100
42 38.4 37.3 55.9
101 0.0 7.8 11.8#
130 2.2 18.2 27.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF113957.D
Acq: 24 Apr 2019 13:24

Tgt Ion: 136 Resp: 505710
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 6.6 5.0 7.6
68 6.4 4.9 7.3





#22

Acetophenone

Concen: 0.011 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF113957.D

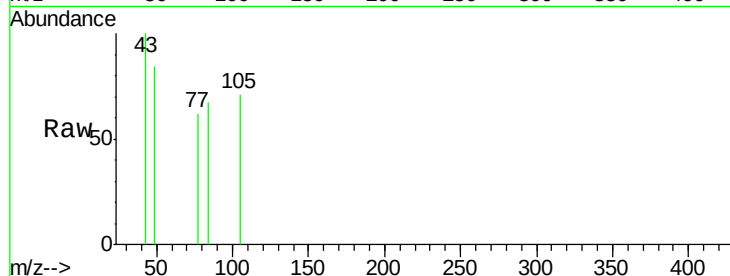
Acq: 24 Apr 2019 13:24

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	105	Resp:	127
Ion	Ratio	Lower	Upper
105	100		
71	0.0	6.1	9.1#
51	0.0	16.8	25.2#
120	0.0	17.6	26.4#

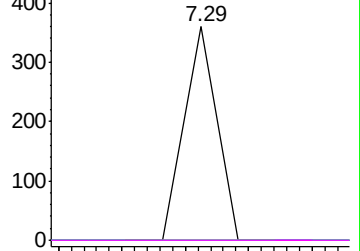


Abundance Ion 105.00 (104.70 to 105.70): E

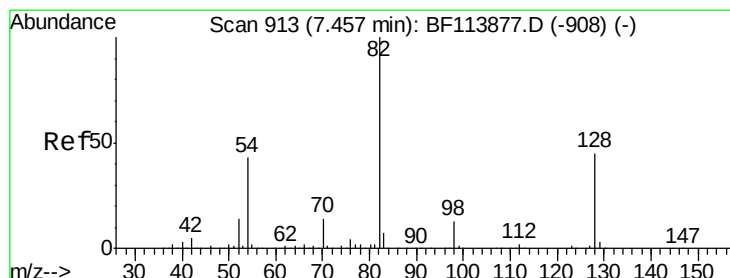
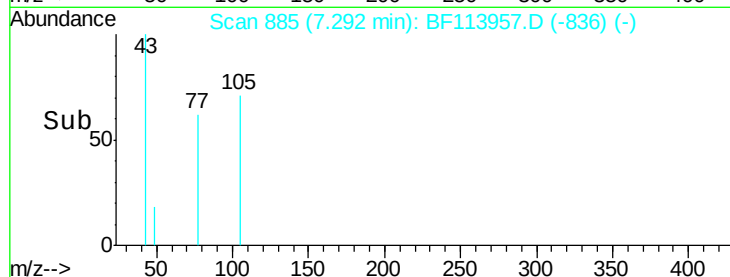
Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



Time-->



#23

Nitrobenzene-d5

Concen: 75.276 ng

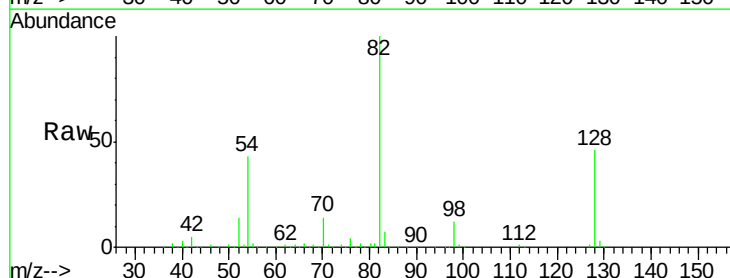
RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF113957.D

Acq: 24 Apr 2019 13:24

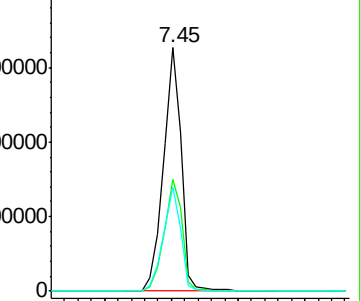
Tgt Ion:	82	Resp:	616545
Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.8	55.2
54	42.8	33.8	50.6



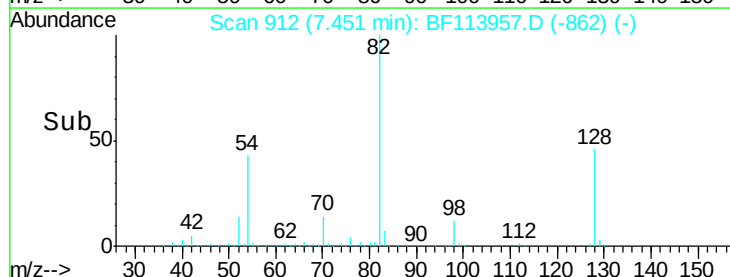
Abundance Ion 82.00 (81.70 to 82.70): BF1

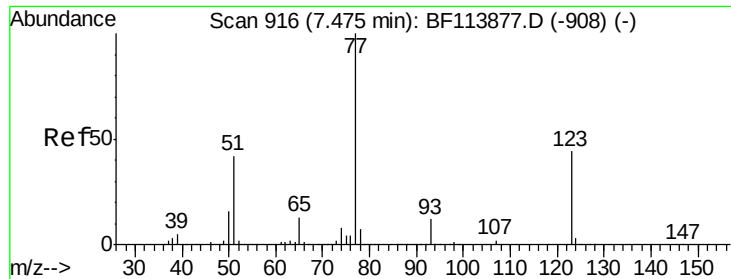
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->





#24

Nitrobenzene

Concen: 0.199 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.02 min

Lab File: BF113957.D

Acq: 24 Apr 2019 13:24

Instrument :

BNA_F

ClientSampled :

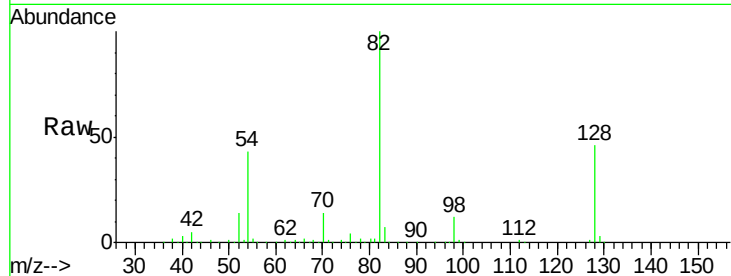
Tot Ion: 77 Resp: 1802

Ion Ratio Lower Upper

77 100

123 0.0 36.3 54.5#

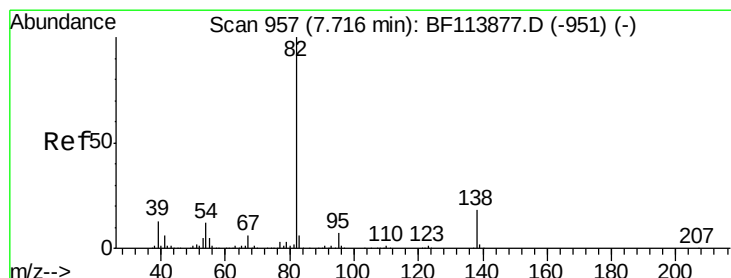
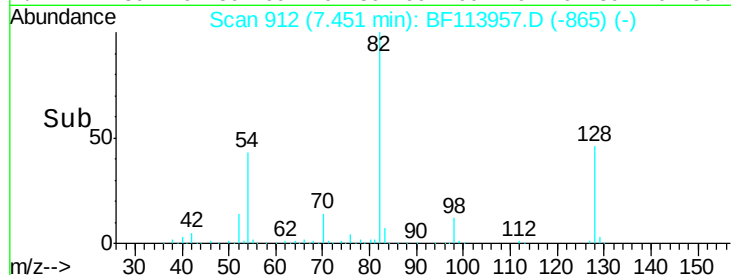
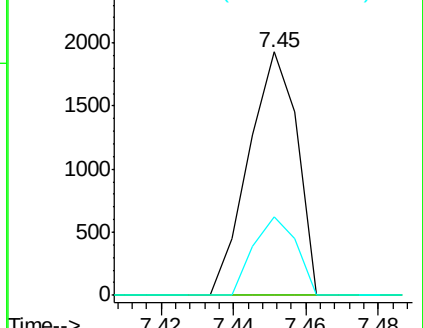
65 32.1 10.3 15.5#



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: 36.788 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113957.D

Acq: 24 Apr 2019 13:24

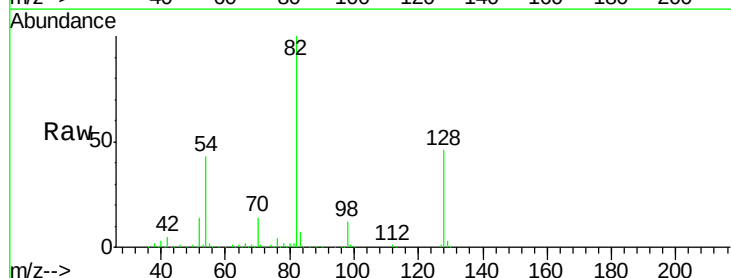
Tgt Ion: 82 Resp: 616534

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

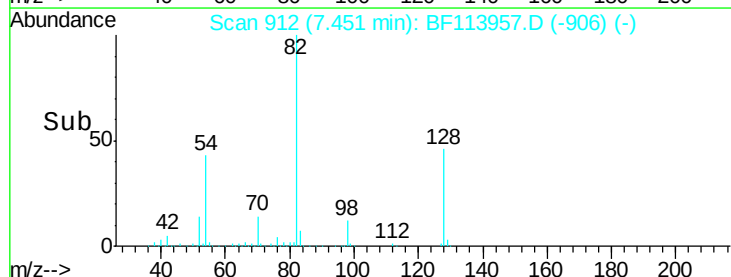
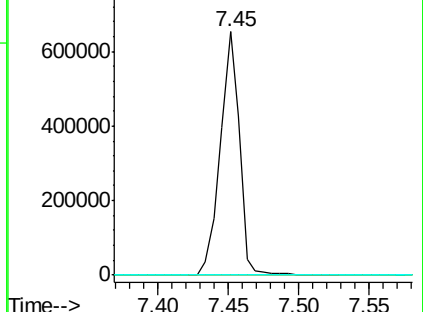
138 0.0 14.6 22.0#

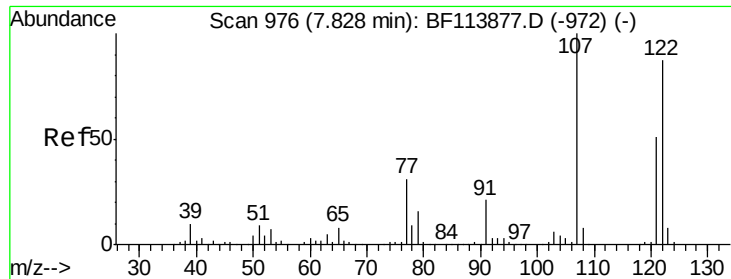


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

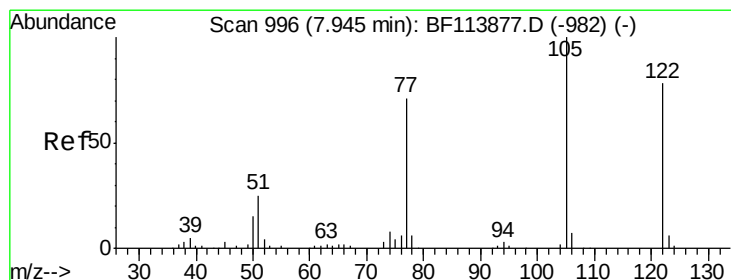
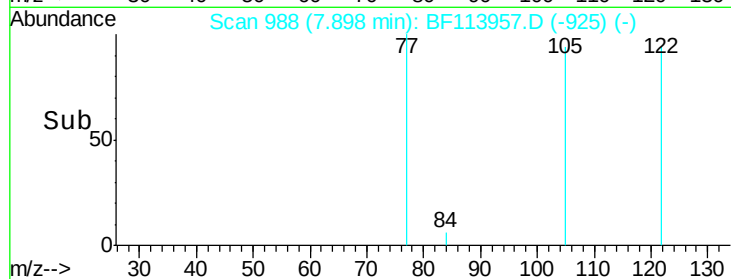
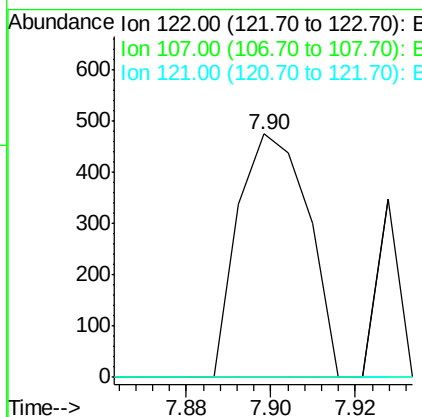
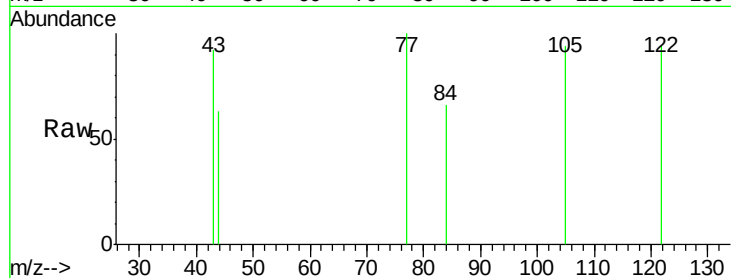




#27
 2,4-Dimethylphenol
 Concen: 0.081 ng
 RT: 7.90 min Scan# 988
 Delta R.T. 0.07 min
 Lab File: BF113957.D
 Acq: 24 Apr 2019 13:24

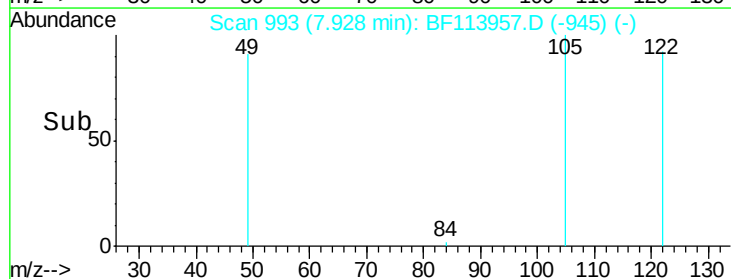
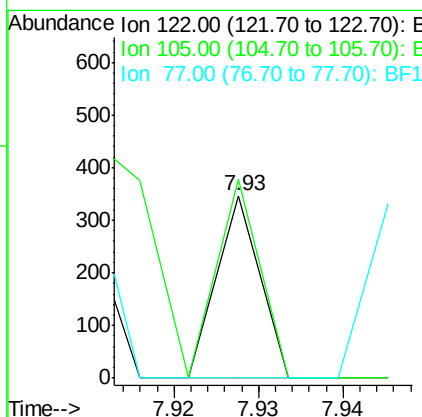
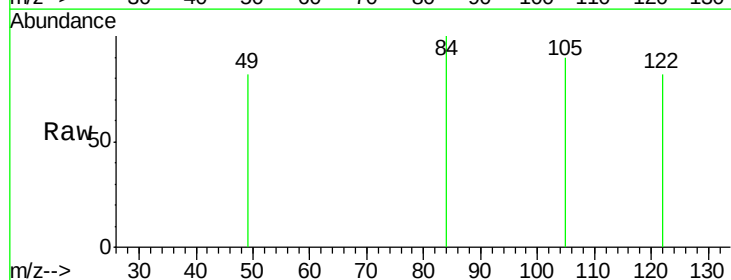
Instrument :
 BNA_F
 ClientSampleId :

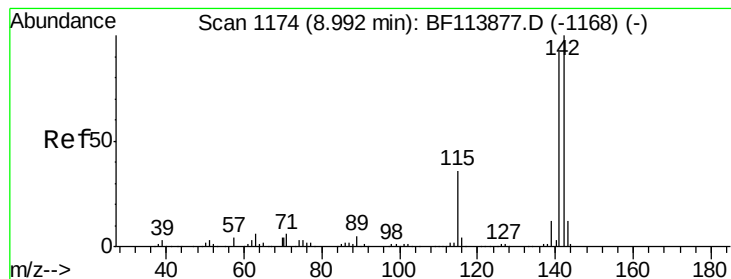
Tot Ion:122 Resp: 547
 Ion Ratio Lower Upper
 122 100
 107 0.0 91.2 136.8#
 121 0.0 46.4 69.6#



#32
 Benzoic acid
 Concen: 0.027 ng
 RT: 7.93 min Scan# 993
 Delta R.T. -0.02 min
 Lab File: BF113957.D
 Acq: 24 Apr 2019 13:24

Tgt Ion:122 Resp: 122
 Ion Ratio Lower Upper
 122 100
 105 108.9 104.3 144.3
 77 0.0 70.4 110.4#





#38

1-Methylnaphthalene

Concen: 0.024 ng

RT: 9.25 min Scan# 1218

Delta R.T. 0.26 min

Lab File: BF113957.D

Acq: 24 Apr 2019 13:24

Instrument :

BNA_F

ClientSampled :

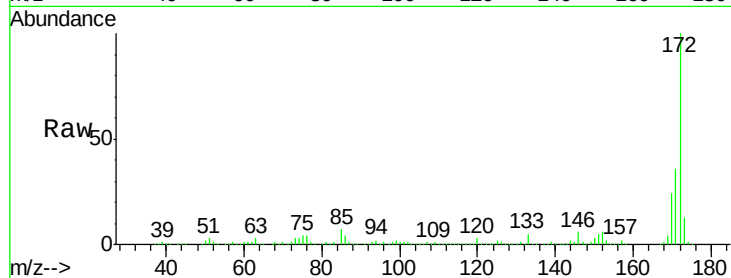
Tot Ion:142 Resp: 368

Ion Ratio Lower Upper

142 100

141 74.9 72.3 108.5

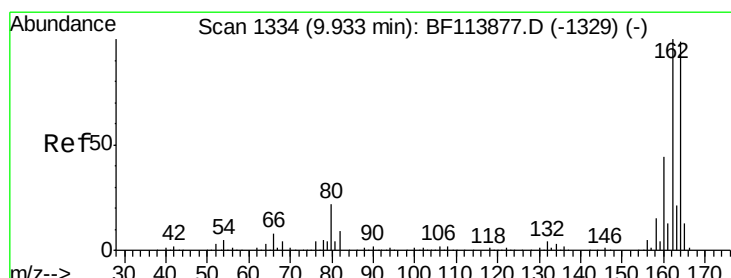
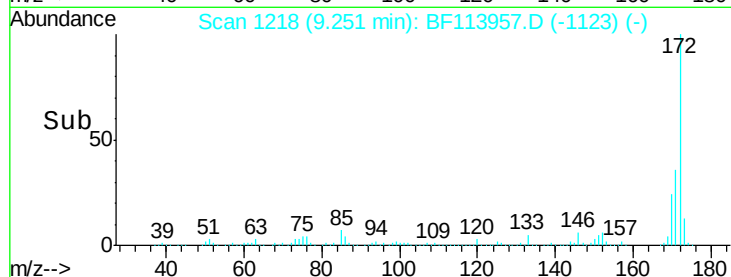
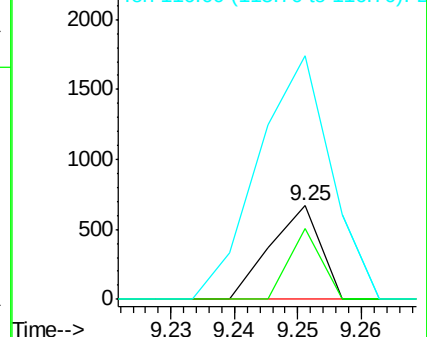
116 259.9 3.0 4.4#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF113957.D

Acq: 24 Apr 2019 13:24

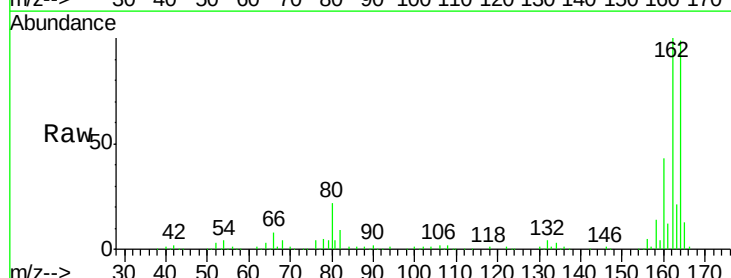
Tgt Ion:164 Resp: 249702

Ion Ratio Lower Upper

164 100

162 101.4 81.1 121.7

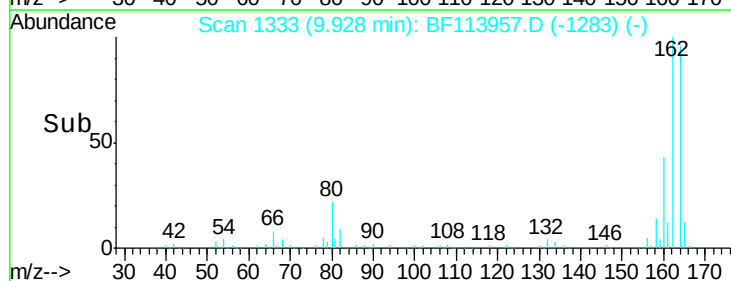
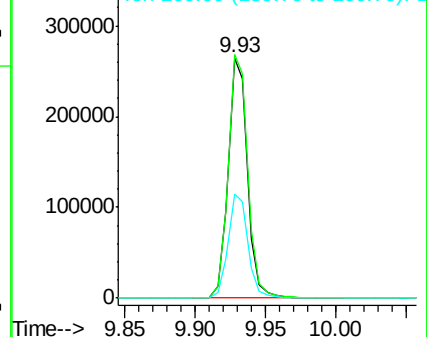
160 43.2 35.8 53.6

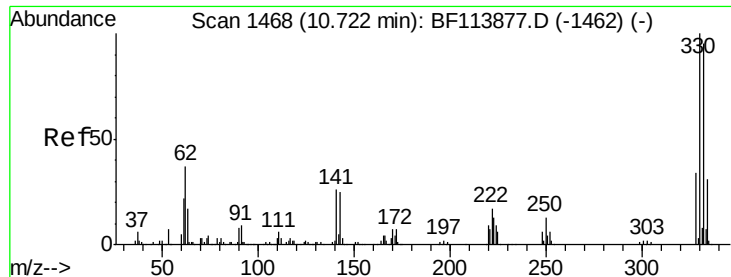


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

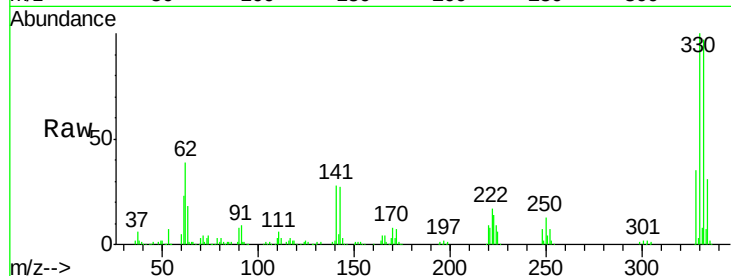




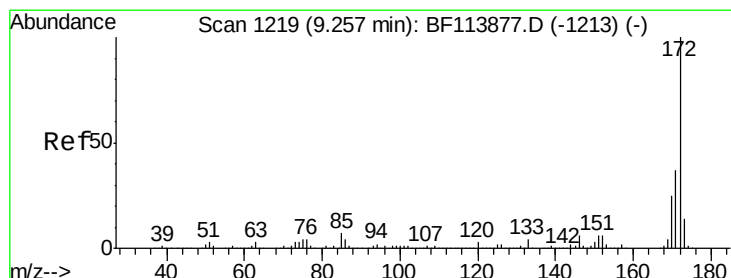
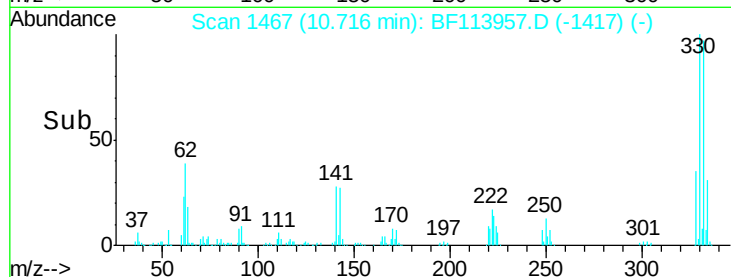
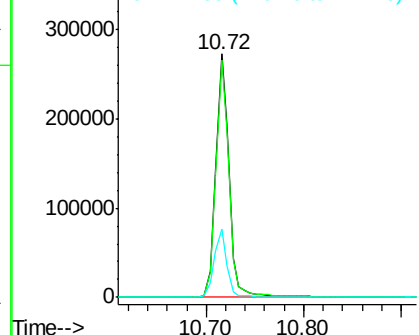
#42
 2,4,6-Tribromophenol
 Concen: 85.060 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF113957.D
 Acq: 24 Apr 2019 13:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 258742
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.5 116.3
 141 26.9 22.2 33.2

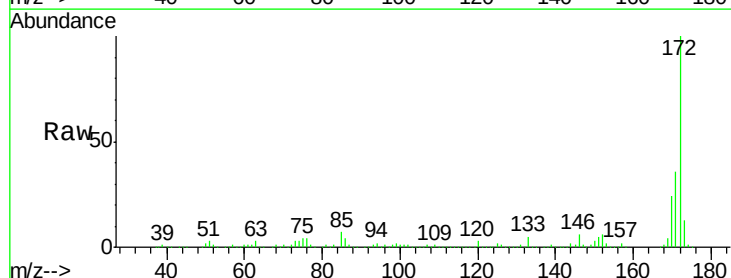


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

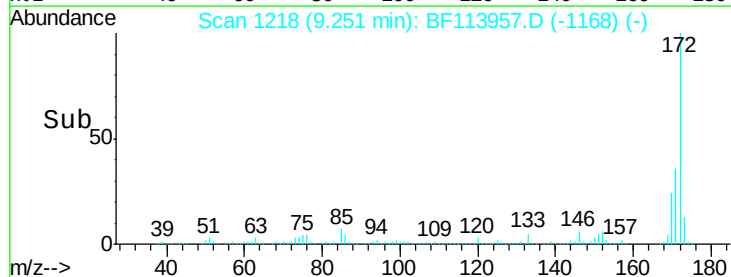
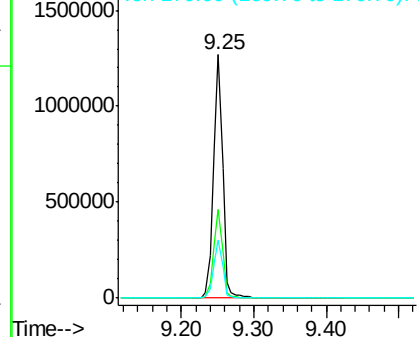


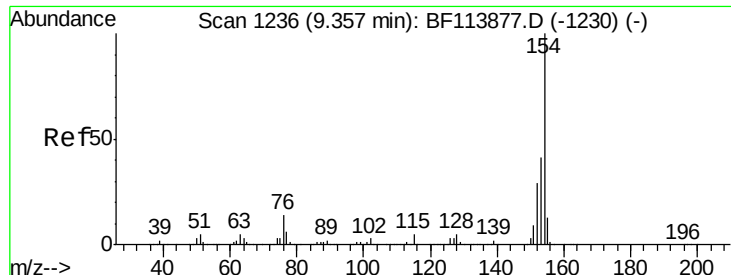
#45
 2-Fluorobiphenyl
 Concen: 70.185 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: BF113957.D
 Acq: 24 Apr 2019 13:24

Tgt Ion:172 Resp: 1120533
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.4 44.0
 170 24.0 19.9 29.9



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

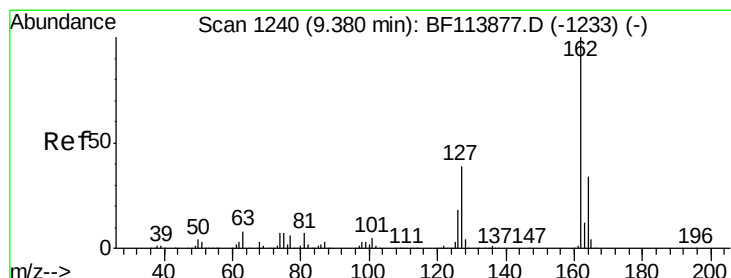
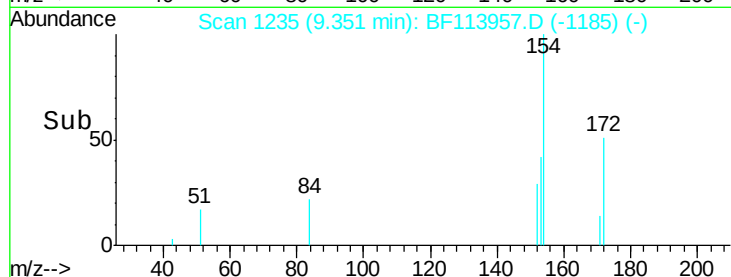
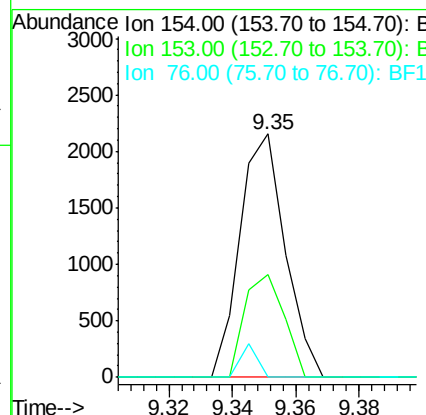
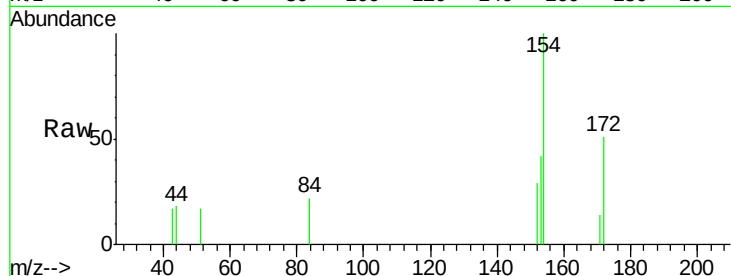




#46
 1,1'-Biphenyl
 Concen: 0.111 ng
 RT: 9.35 min Scan# 1235
 Delta R.T. -0.01 min
 Lab File: BF113957.D
 Acq: 24 Apr 2019 13:24

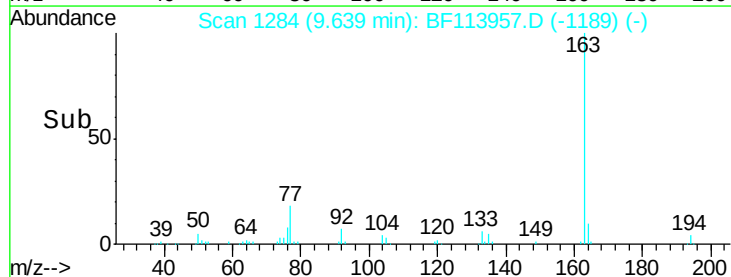
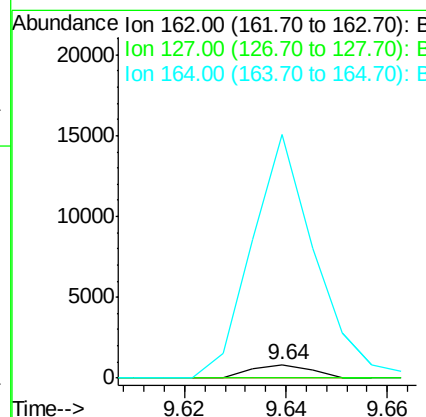
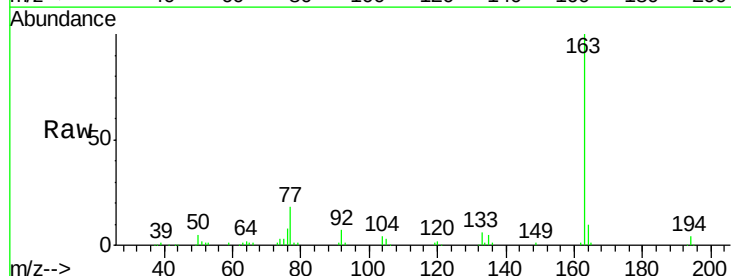
Instrument :
 BNA_F
 ClientSampleId :

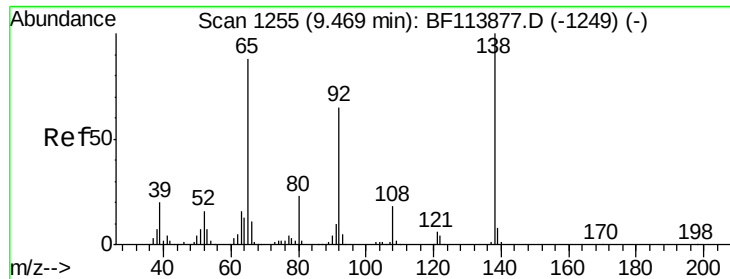
Tot Ion	Ratio	Lower	Upper
154	100		
153	42.3	20.8	60.8
76	0.0	0.0	35.2



#47
 2-Chloronaphthalene
 Concen: 0.044 ng
 RT: 9.64 min Scan# 1284
 Delta R.T. 0.26 min
 Lab File: BF113957.D
 Acq: 24 Apr 2019 13:24

Tgt Ion	Ratio	Lower	Upper
162	100		
127	0.0	29.3	43.9#
164	1766.0	27.1	40.7#

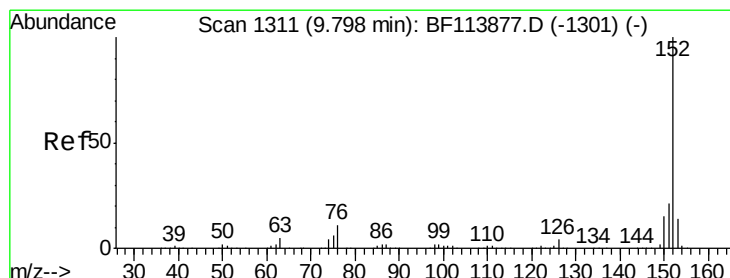
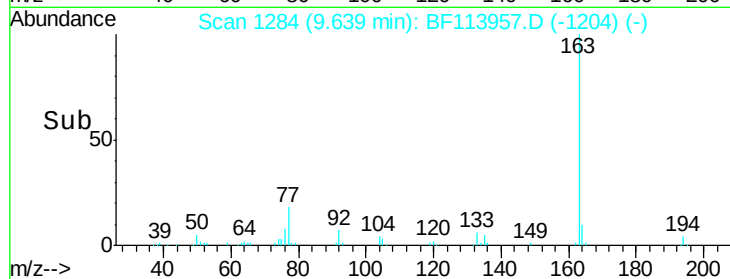
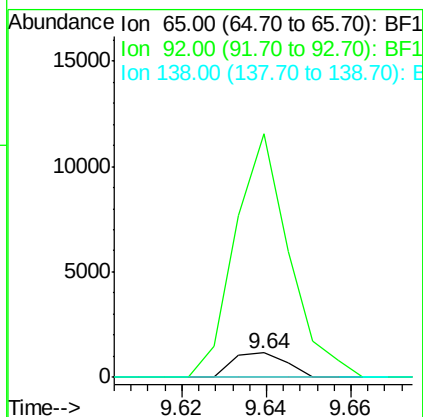
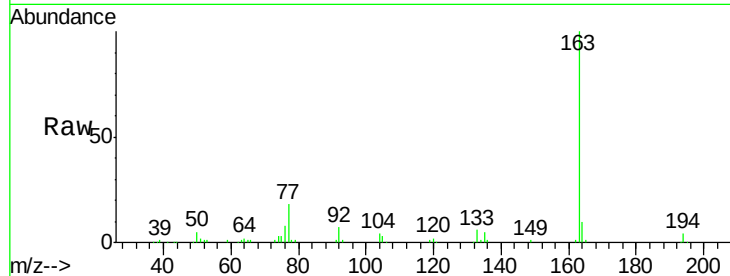




#48
2-Nitroaniline
Concen: 0.251 ng
RT: 9.64 min Scan# 1284
Delta R.T. 0.17 min
Lab File: BF113957.D
Acq: 24 Apr 2019 13:24

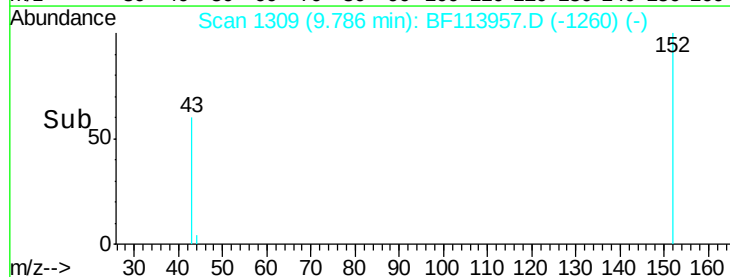
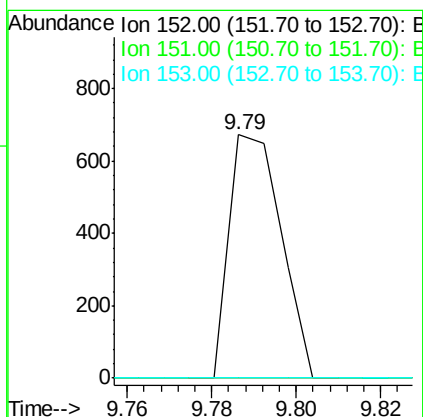
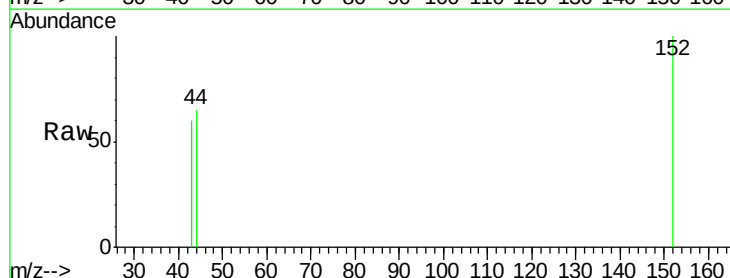
Instrument :
BNA_F
ClientSampleId :

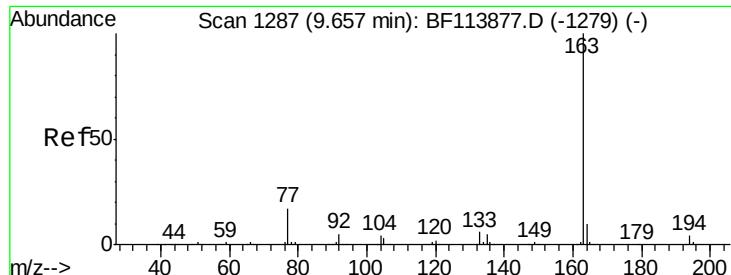
Tot Ion: 65 Resp: 1022
Ion Ratio Lower Upper
65 100
92 1003.2 57.4 86.0#
138 0.0 85.4 128.0#



#49
Acenaphthylene
Concen: 0.024 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF113957.D
Acq: 24 Apr 2019 13:24

Tgt Ion: 152 Resp: 575
Ion Ratio Lower Upper
152 100
151 0.0 17.0 25.4#
153 0.0 11.0 16.6#

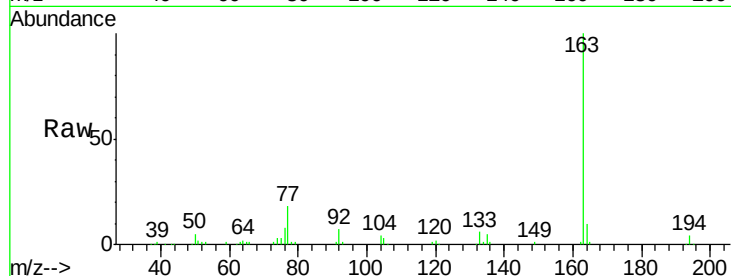




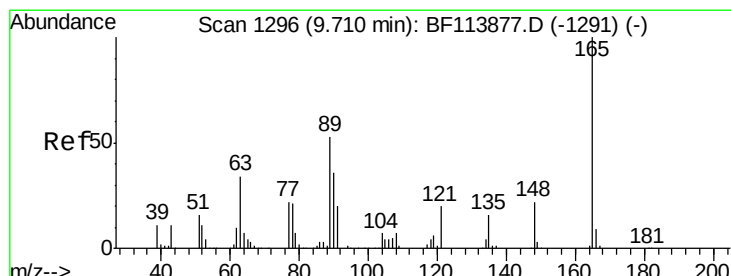
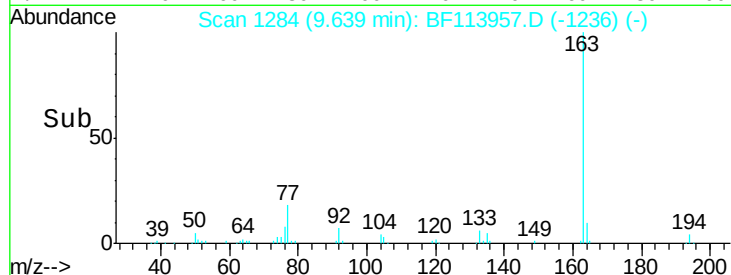
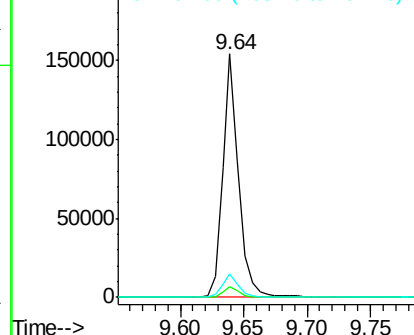
#50
Dimethylphthalate
Concen: 7.498 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF113957.D
Acq: 24 Apr 2019 13:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 135398
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.2
164 9.8 8.5 12.7

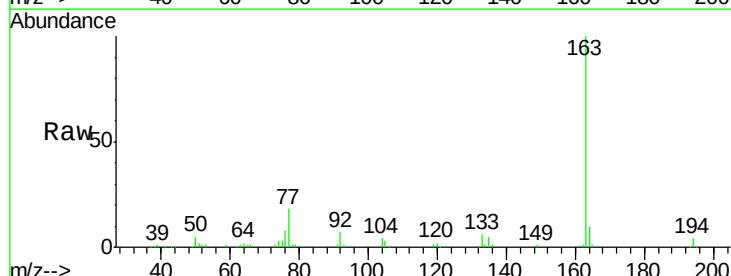


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

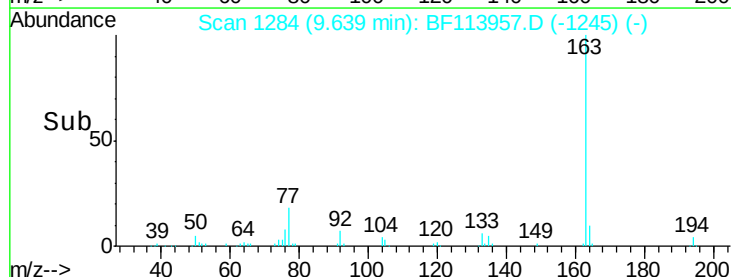
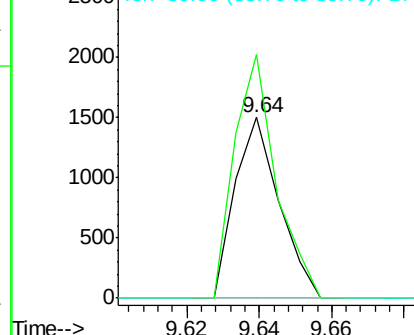


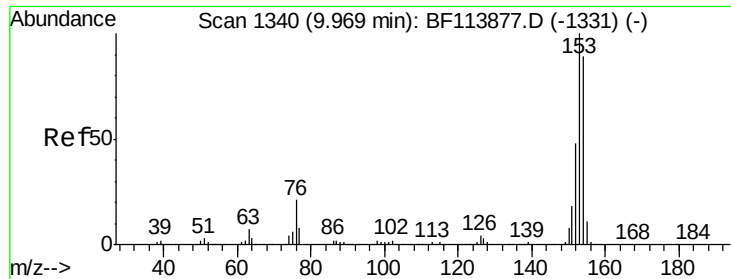
#51
2,6-Dinitrotoluene
Concen: 0.328 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.07 min
Lab File: BF113957.D
Acq: 24 Apr 2019 13:24

Tgt Ion:165 Resp: 1272
Ion Ratio Lower Upper
165 100
63 134.9 33.8 50.8#
89 0.0 38.2 57.2#



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: 0.008 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF113957.D

Acq: 24 Apr 2019 13:24

Instrument :

BNA_F

ClientSampleId :

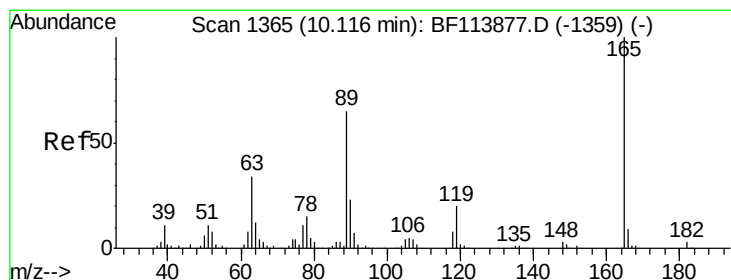
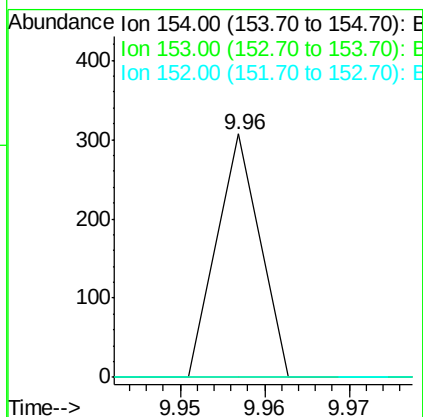
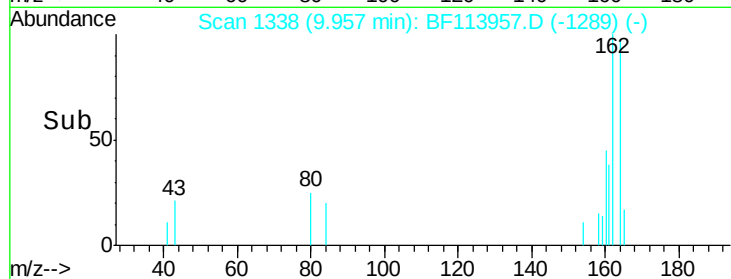
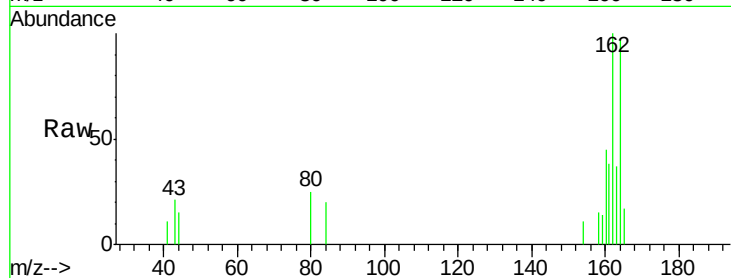
Tot Ion:154 Resp: 108

Ion Ratio Lower Upper

154 100

153 0.0 87.2 130.8#

152 0.0 42.3 63.5#



#57

2,4-Dinitrotoluene

Concen: 6.499 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.19 min

Lab File: BF113957.D

Acq: 24 Apr 2019 13:24

Tgt Ion:165 Resp: 31782

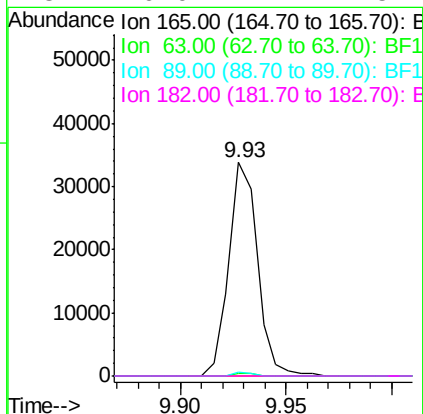
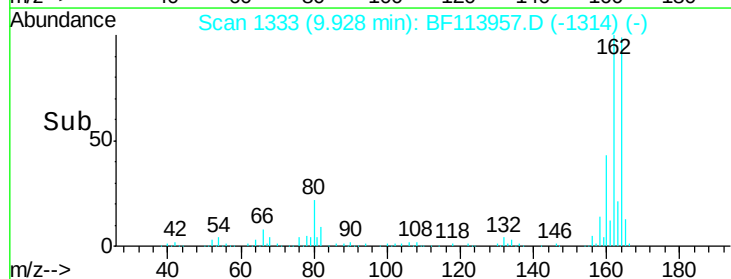
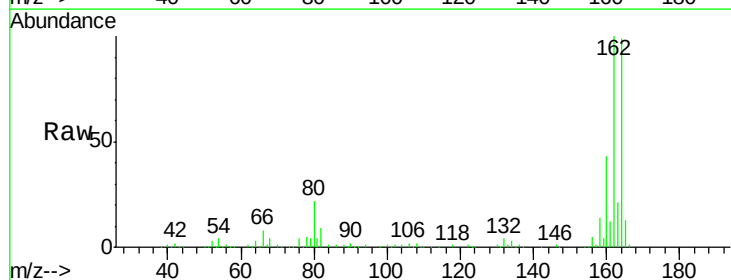
Ion Ratio Lower Upper

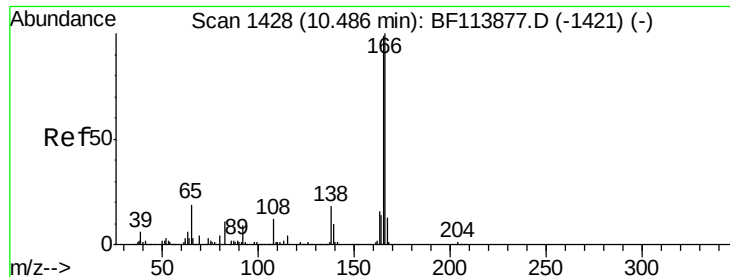
165 100

63 1.0 27.4 41.0#

89 1.6 51.8 77.6#

182 0.0 2.2 3.2#





#58

Fluorene

Concen: 0.633 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.23 min

Lab File: BF113957.D

Acq: 24 Apr 2019 13:24

Instrument :

BNA_F

ClientSampleId :

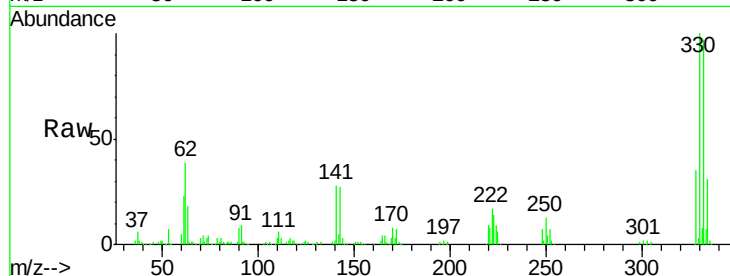
Tot Ion:166 Resp: 10250

Ion Ratio Lower Upper

166 100

165 108.3 78.4 117.6

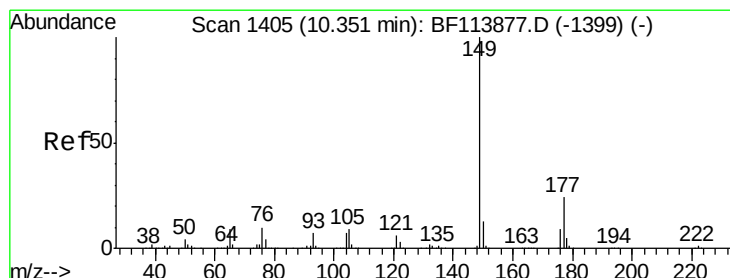
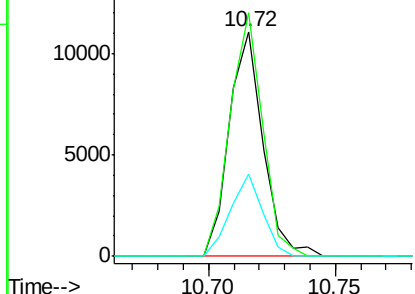
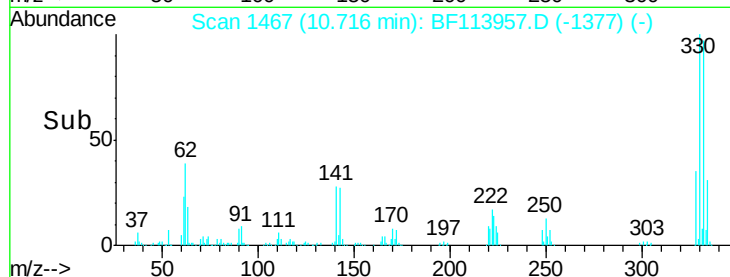
167 36.4 10.9 16.3#



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



#60

Diethylphthalate

Concen: 0.028 ng

RT: 10.35 min Scan# 1404

Delta R.T. -0.01 min

Lab File: BF113957.D

Acq: 24 Apr 2019 13:24

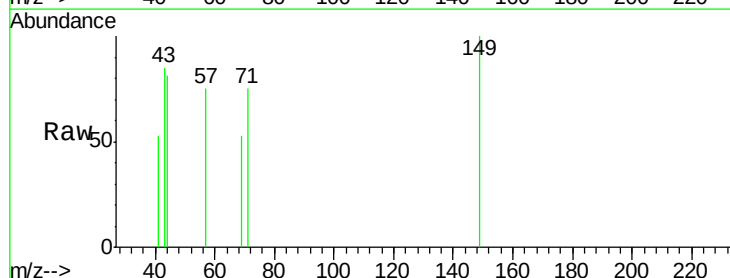
Tgt Ion:149 Resp: 482

Ion Ratio Lower Upper

149 100

177 0.0 19.2 28.8#

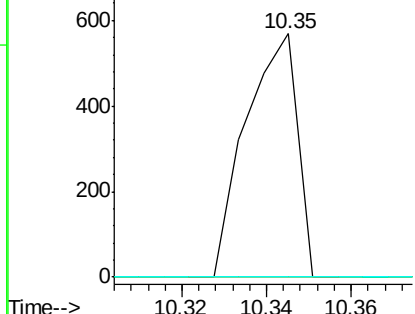
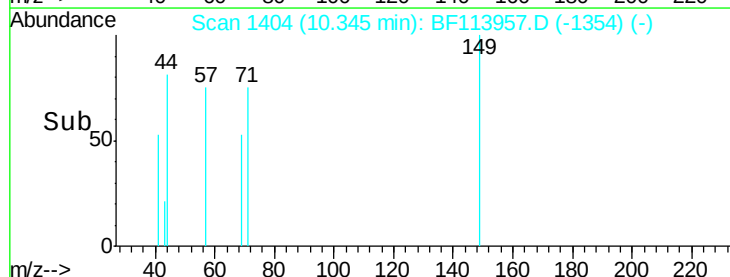
150 0.0 10.3 15.5#

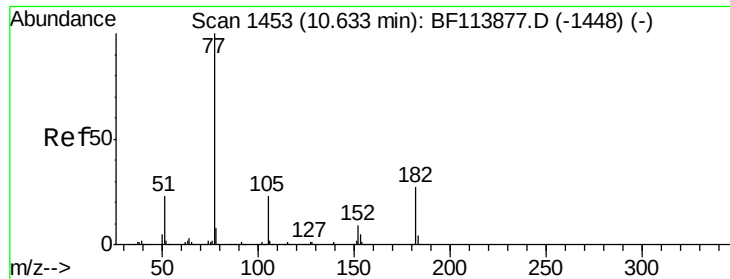


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#63

Azobenzene

Concen: 0.067 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.08 min

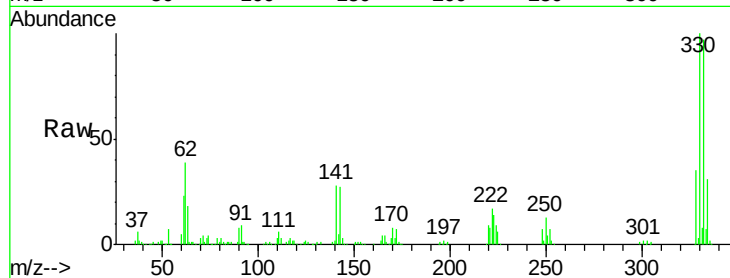
Lab File: BF113957.D

Acq: 24 Apr 2019 13:24

Instrument :

BNA_F

ClientSampleId :



Tot Ion: 77 Resp: 1116

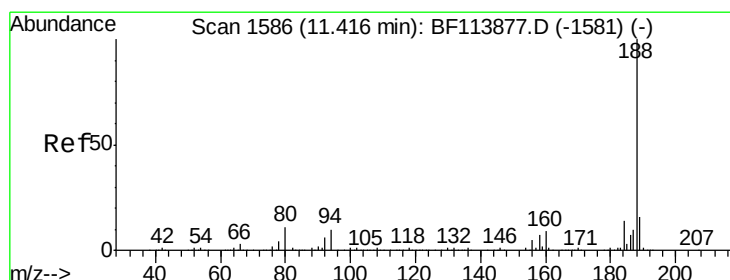
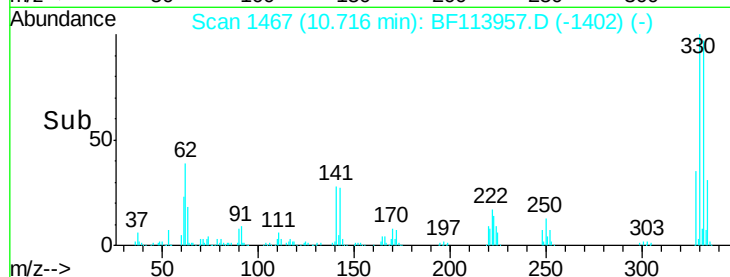
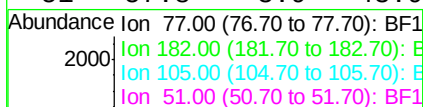
Ion Ratio Lower Upper

77 100

182 0.0 4.4 44.4#

105 70.1 2.2 42.2#

51 57.8 3.9 43.9#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BF113957.D

Acq: 24 Apr 2019 13:24

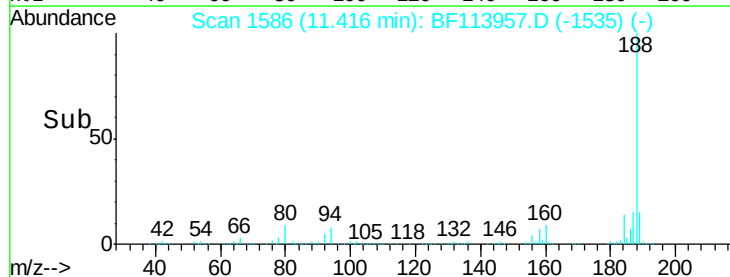
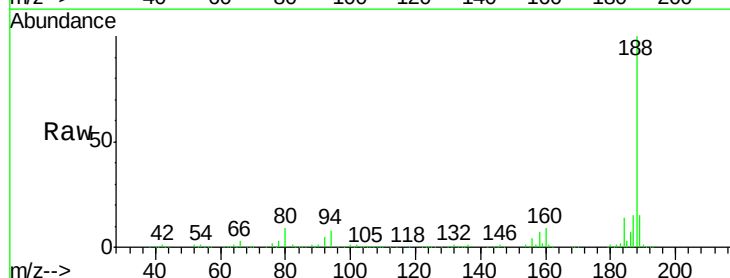
Tgt Ion: 188 Resp: 447388

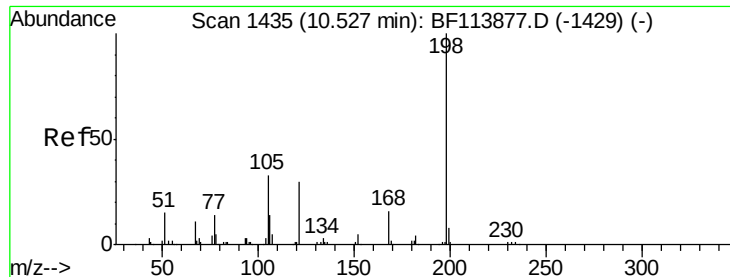
Ion Ratio Lower Upper

188 100

94 8.3 8.2 12.4

80 9.1 9.0 13.6





#65

4,6-Dinitro-2-methylphenol

Concen: 7.504 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.19 min

Lab File: BF113957.D

Acq: 24 Apr 2019 13:24

Instrument :

BNA_F

ClientSampleId :

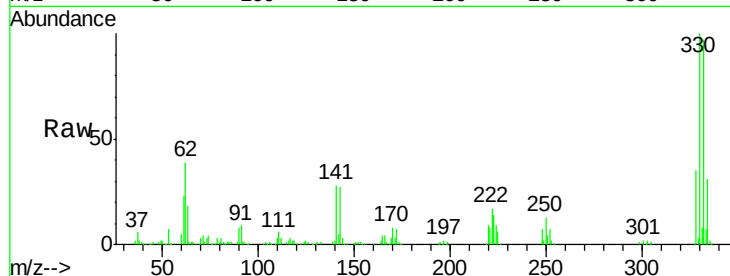
Tot Ion:198 Resp: 474

Ion Ratio Lower Upper

198 100

51 117.5 11.1 51.1#

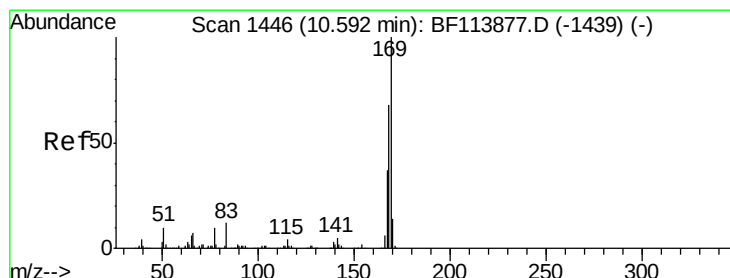
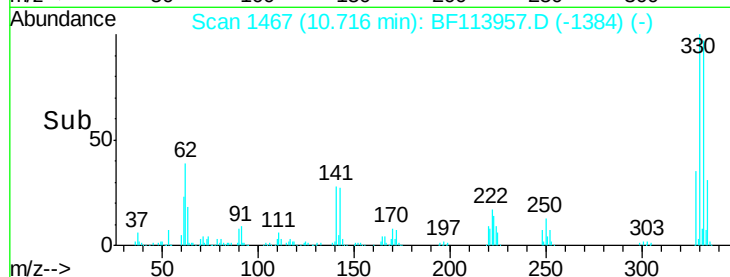
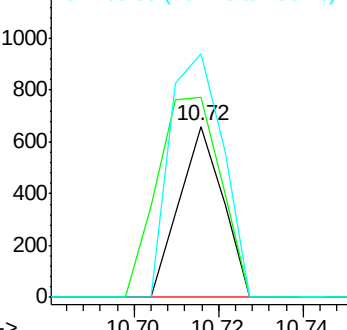
105 142.6 20.7 60.7#



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: 0.472 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.12 min

Lab File: BF113957.D

Acq: 24 Apr 2019 13:24

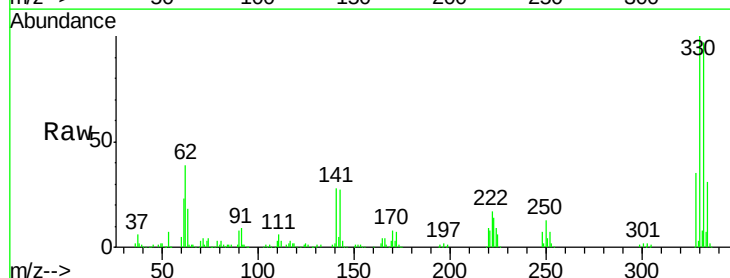
Tgt Ion:169 Resp: 6335

Ion Ratio Lower Upper

169 100

168 6.7 54.3 81.5#

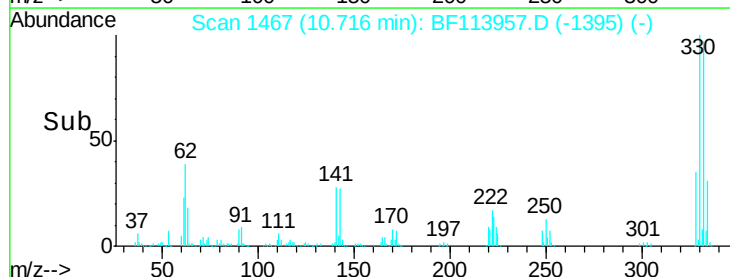
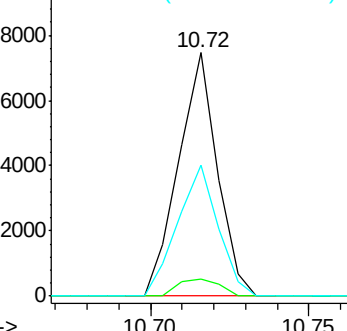
167 54.0 29.4 44.0#

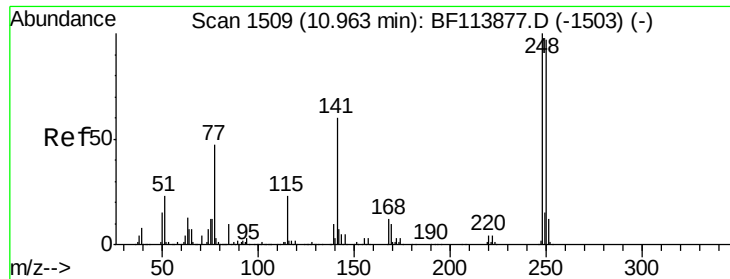


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

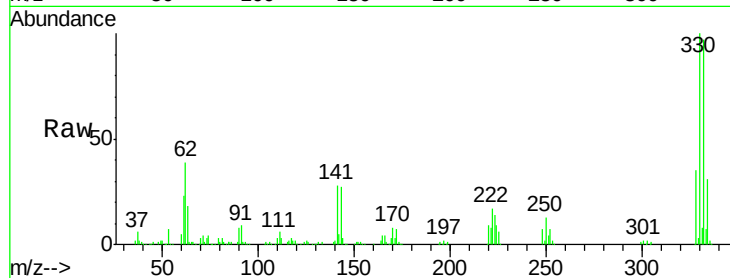




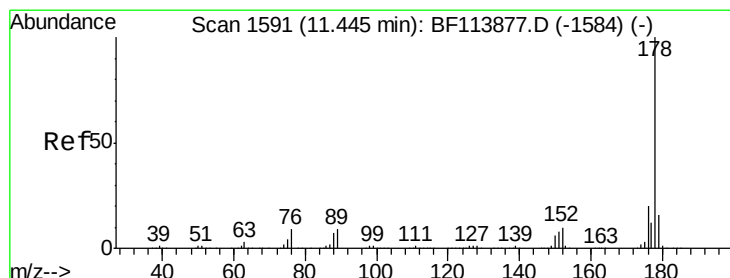
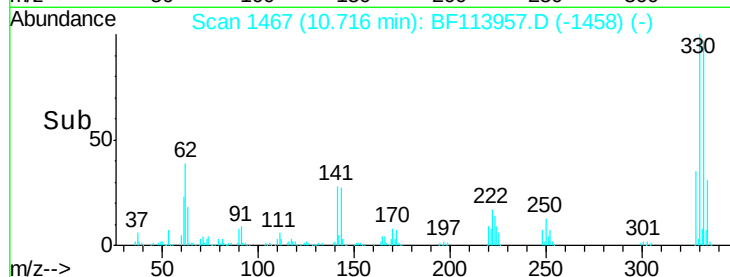
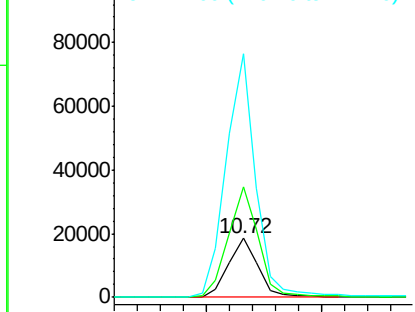
#67
 4-Bromophenyl-phenylether
 Concen: 3.033 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.25 min
 Lab File: BF113957.D
 Acq: 24 Apr 2019 13:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 16391
 Ion Ratio Lower Upper
 248 100
 250 188.4 75.8 113.6#
 141 413.7 50.2 75.4#

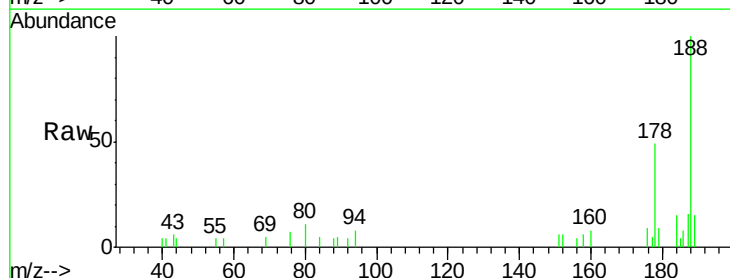


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

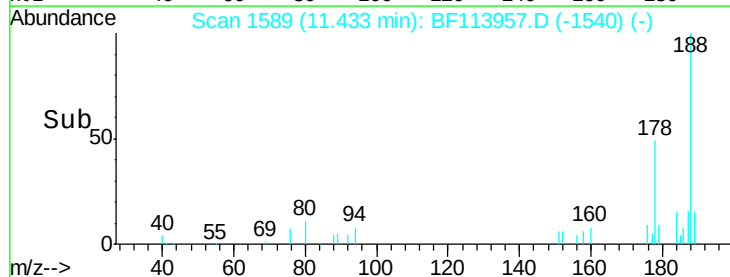
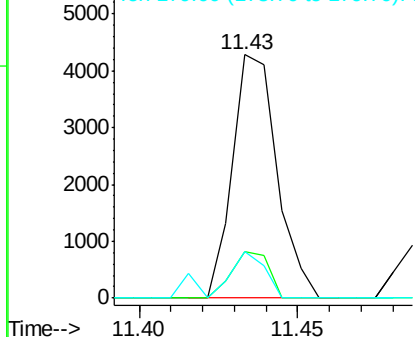


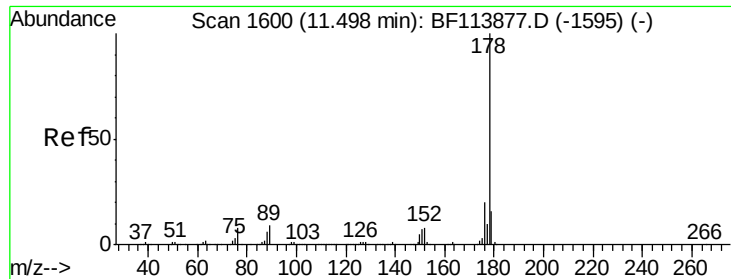
#71
 Phenanthrene
 Concen: 0.185 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.01 min
 Lab File: BF113957.D
 Acq: 24 Apr 2019 13:24

Tgt Ion:178 Resp: 4150
 Ion Ratio Lower Upper
 178 100
 176 19.0 16.1 24.1
 179 19.3 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





#72

Anthracene

Concen: 0.183 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.06 min

Lab File: BF113957.D

Acq: 24 Apr 2019 13:24

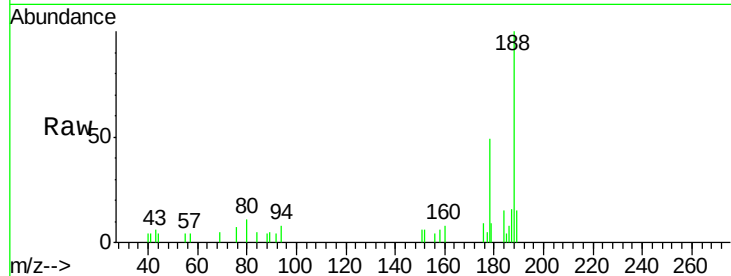
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 4150

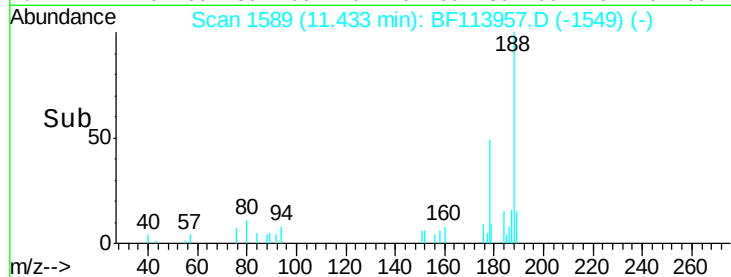
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.7	23.5
179	19.3	13.0	19.4



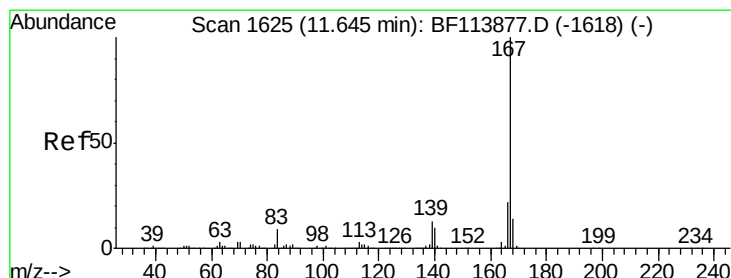
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#73

Carbazole

Concen: 0.022 ng

RT: 11.65 min Scan# 1625

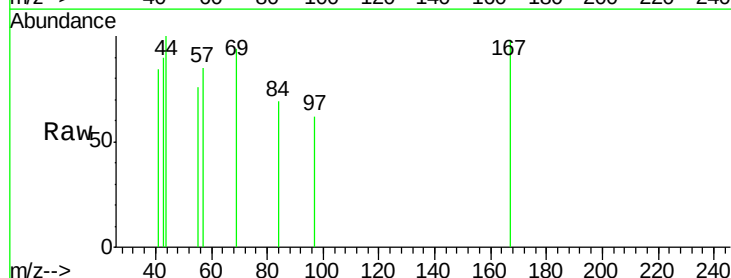
Delta R.T. 0.00 min

Lab File: BF113957.D

Acq: 24 Apr 2019 13:24

Tgt Ion:167 Resp: 444

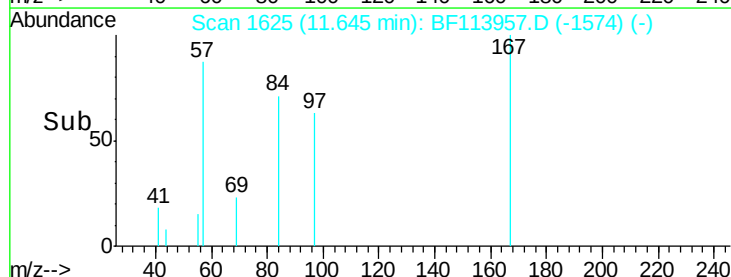
Ion	Ratio	Lower	Upper
167	100		
166	0.0	17.7	26.5#
139	0.0	10.0	15.0#



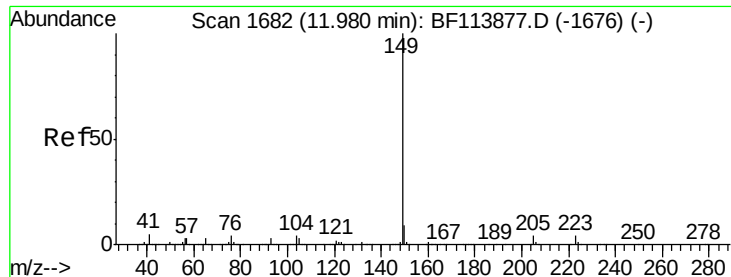
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->



#74

Di-n-butylphthalate

Concen: 0.064 ng

RT: 11.97 min Scan# 1681

Delta R.T. -0.01 min

Lab File: BF113957.D

Acq: 24 Apr 2019 13:24

Instrument :

BNA_F

ClientSampleId :

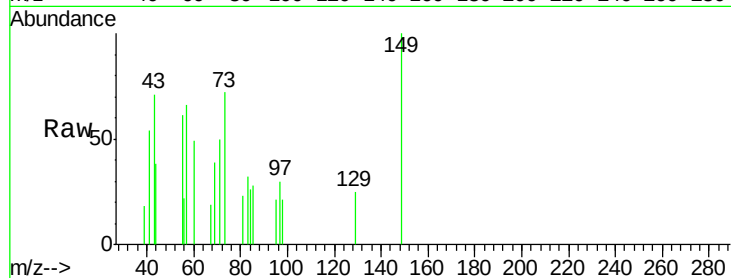
Tot Ion:149 Resp: 1514

Ion Ratio Lower Upper

149 100

150 0.0 7.8 11.8#

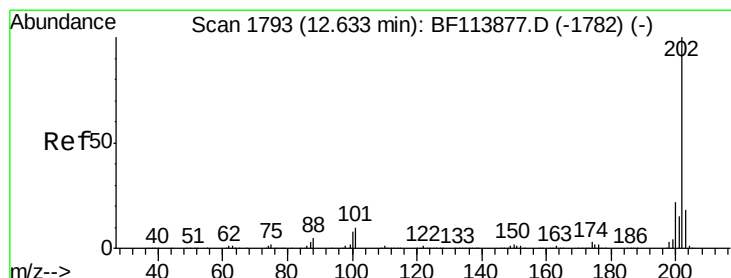
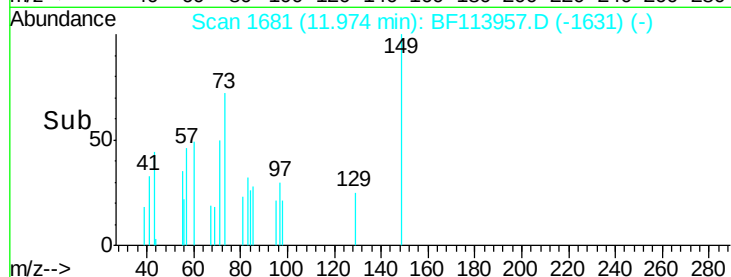
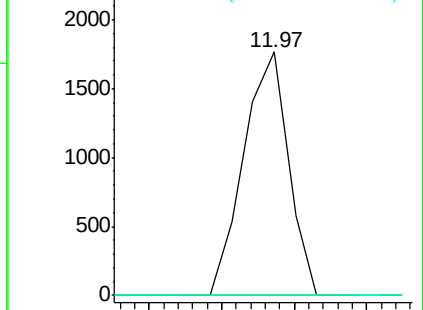
104 0.0 3.8 5.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 0.313 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF113957.D

Acq: 24 Apr 2019 13:24

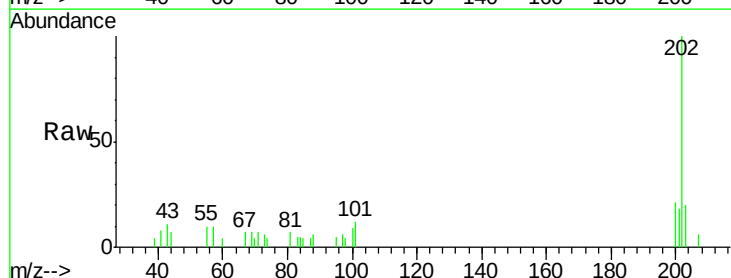
Tgt Ion:202 Resp: 7667

Ion Ratio Lower Upper

202 100

101 11.7 0.0 32.9

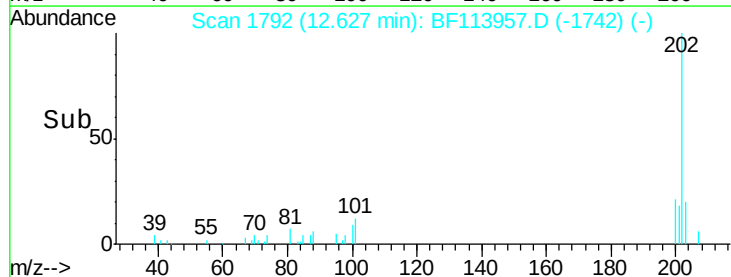
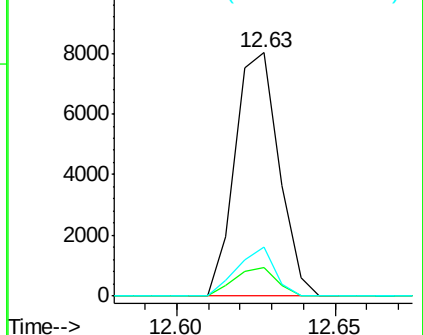
203 20.2 0.0 38.2

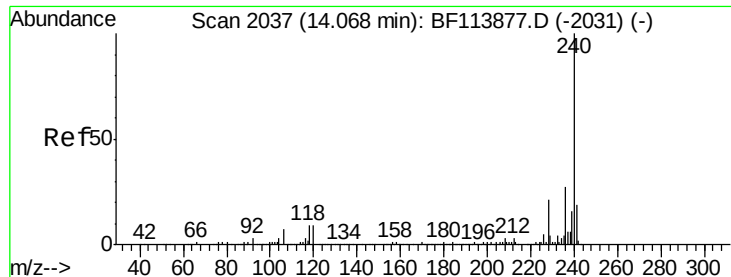


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

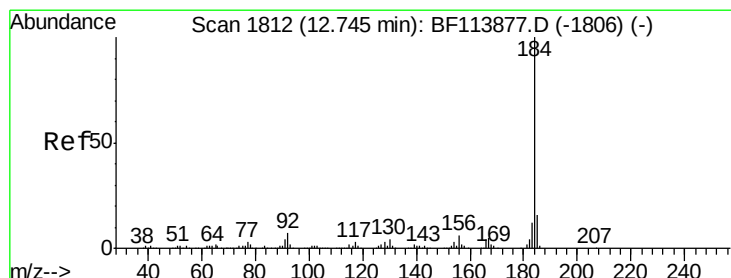
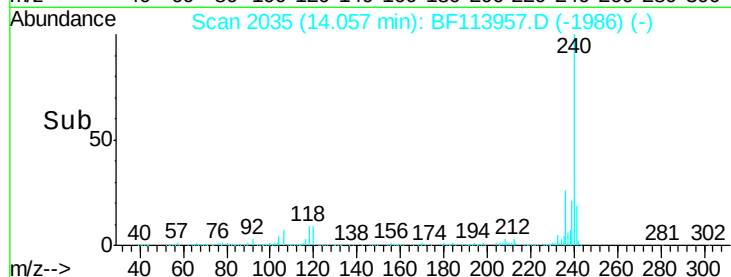
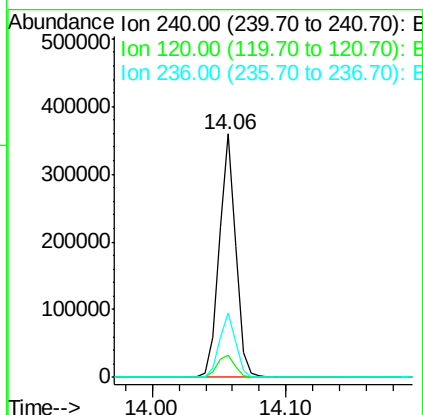
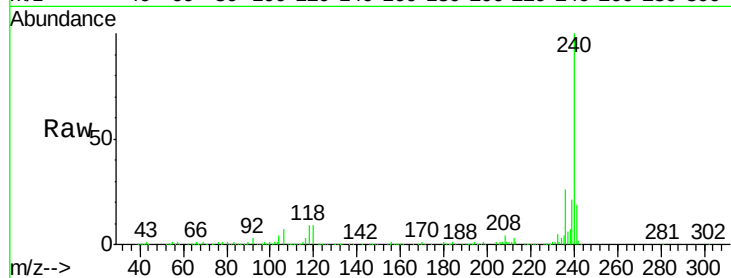




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF113957.D
 Acq: 24 Apr 2019 13:24

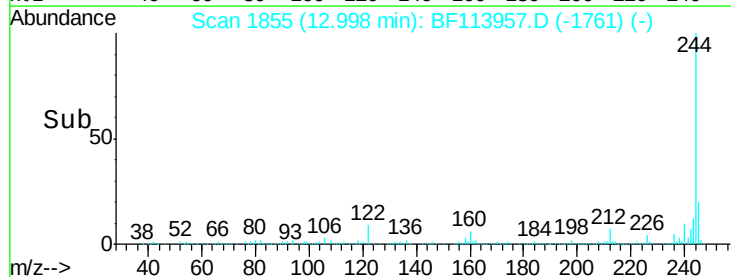
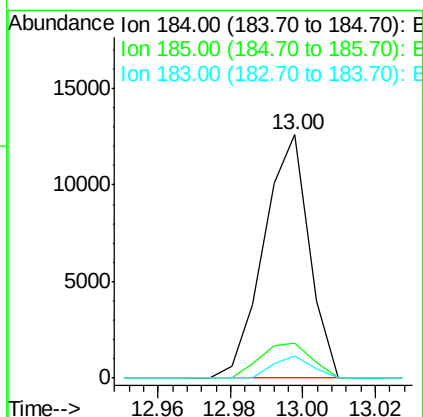
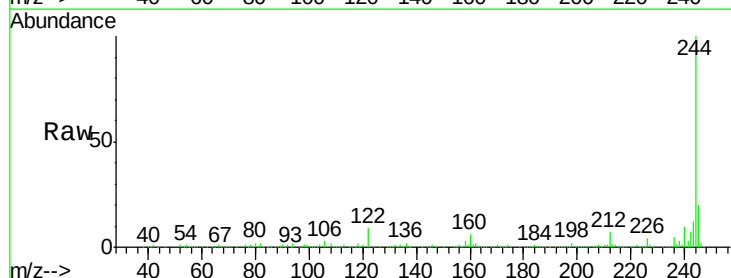
Instrument :
 BNA_F
 ClientSampleId :

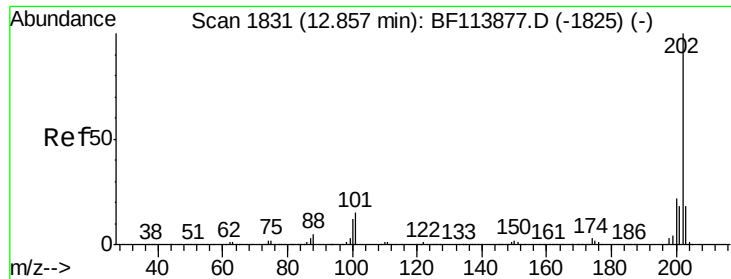
Tot Ion:240 Resp: 312860
 Ion Ratio Lower Upper
 240 100
 120 9.3 9.3 13.9
 236 26.3 21.2 31.8



#77
 Benzidine
 Concen: 1.178 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. 0.25 min
 Lab File: BF113957.D
 Acq: 24 Apr 2019 13:24

Tgt Ion:184 Resp: 10979
 Ion Ratio Lower Upper
 184 100
 185 14.3 13.0 19.6
 183 9.3 9.4 14.0#

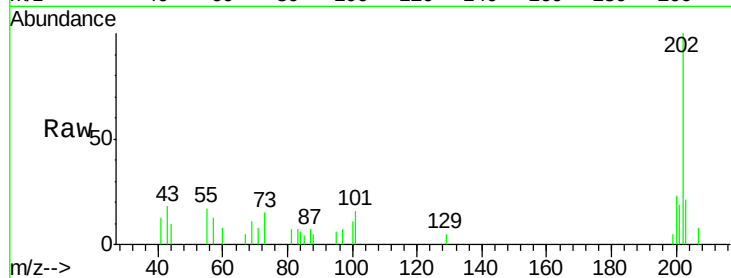




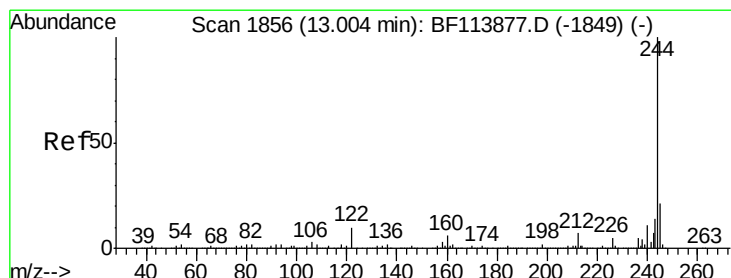
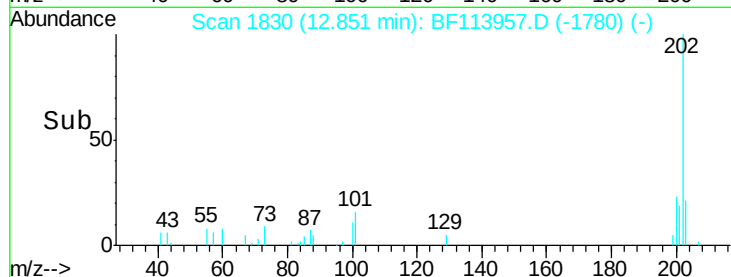
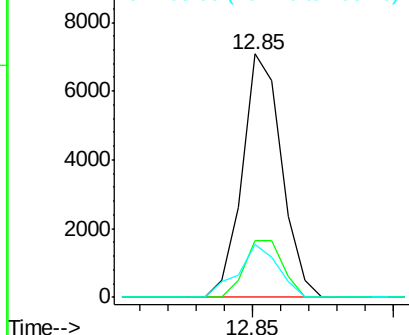
#78
 Pvrene
 Concen: 0.312 ng
 RT: 12.85 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BF113957.D
 Acq: 24 Apr 2019 13:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:202 Resp: 6834
 Ion Ratio Lower Upper
 202 100
 200 23.3 17.7 26.5
 203 21.5 15.0 22.6

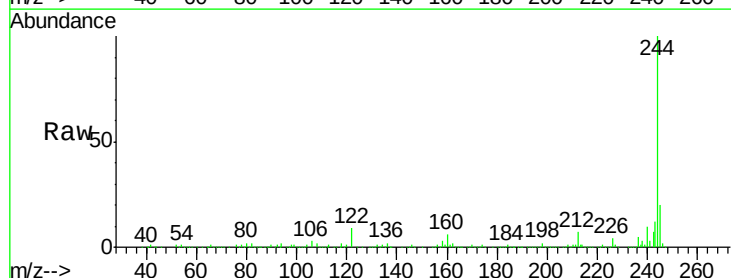


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

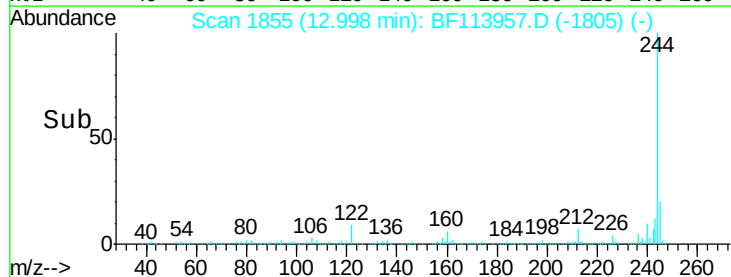
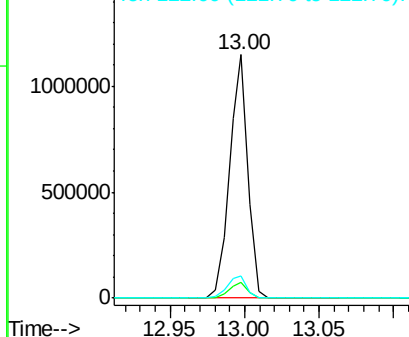


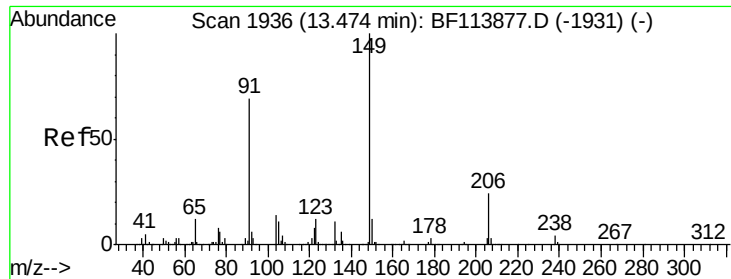
#79
 Terphenyl-d14
 Concen: 64.868 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. -0.01 min
 Lab File: BF113957.D
 Acq: 24 Apr 2019 13:24

Tgt Ion:244 Resp: 989916
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.2
 122 9.4 7.6 11.4



Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

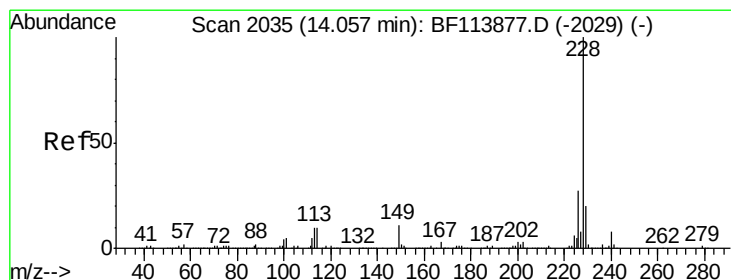
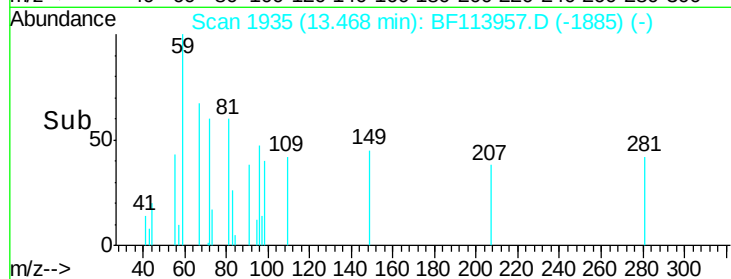
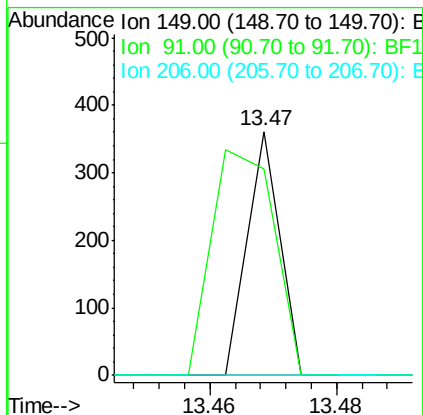
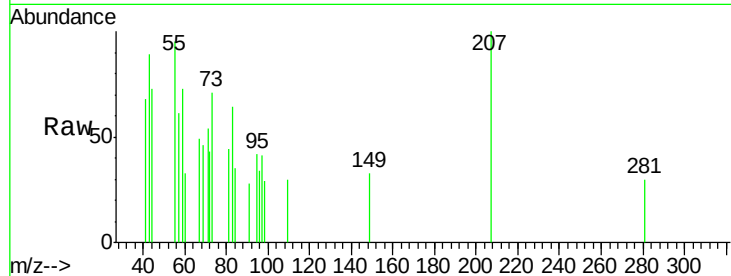




#80
Butylbenzylphthalate
Concen: 0.015 ng
RT: 13.47 min Scan# 1935
Delta R.T. -0.01 min
Lab File: BF113957.D
Acq: 24 Apr 2019 13:24

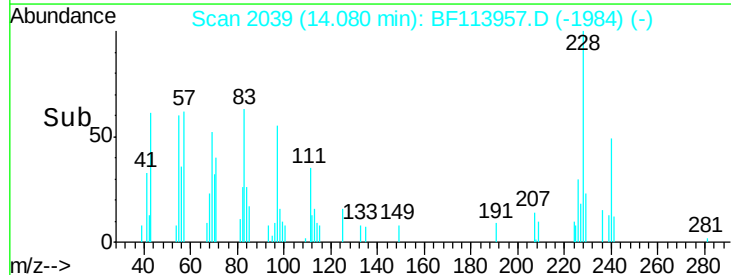
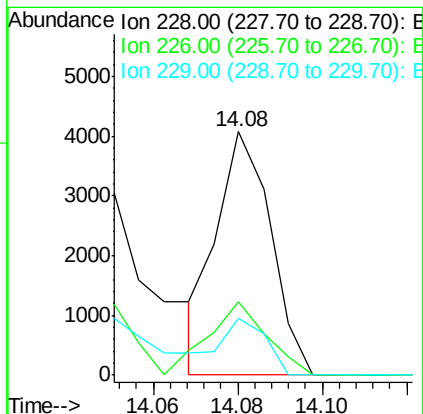
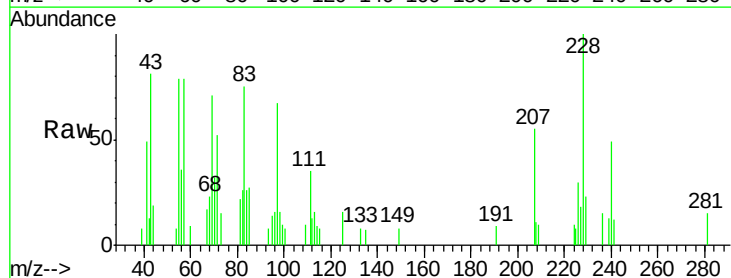
Instrument :
BNA_F
ClientSampled :

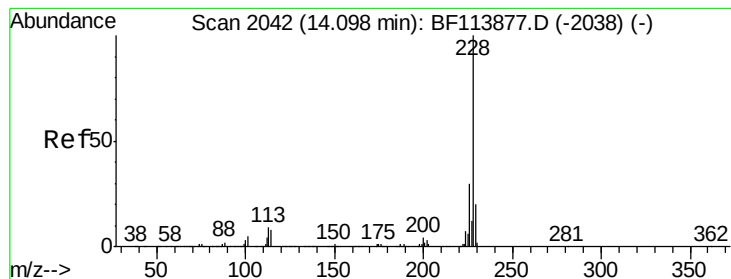
Tot Ion:149 Resp: 127
Ion Ratio Lower Upper
149 100
91 84.8 56.3 84.5#
206 0.0 19.0 28.6#



#81
Benzo(a)anthracene
Concen: 0.196 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.02 min
Lab File: BF113957.D
Acq: 24 Apr 2019 13:24

Tgt Ion:228 Resp: 3614
Ion Ratio Lower Upper
228 100
226 30.4 22.2 33.2
229 23.1 16.0 24.0





#83

Chrysene

Concen: 0.201 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.02 min

Lab File: BF113957.D

Acq: 24 Apr 2019 13:24

Instrument :

BNA_F

ClientSampleId :

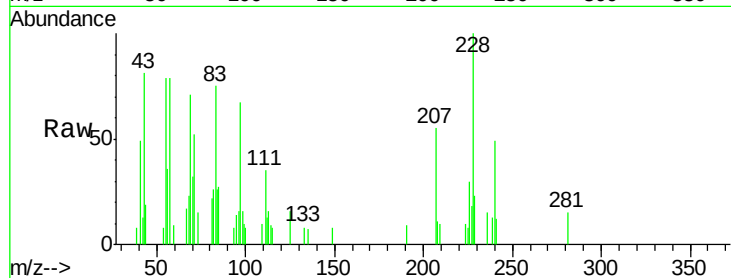
Tot Ion:228 Resp: 3614

Ion Ratio Lower Upper

228 100

226 30.4 25.2 37.8

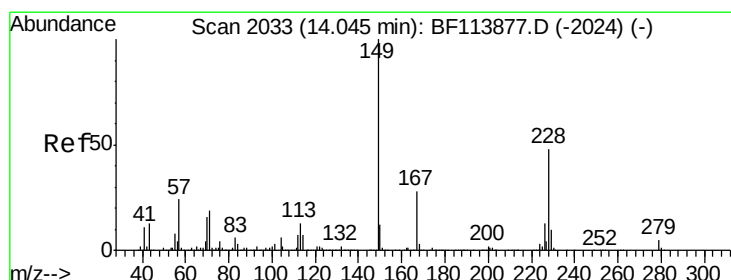
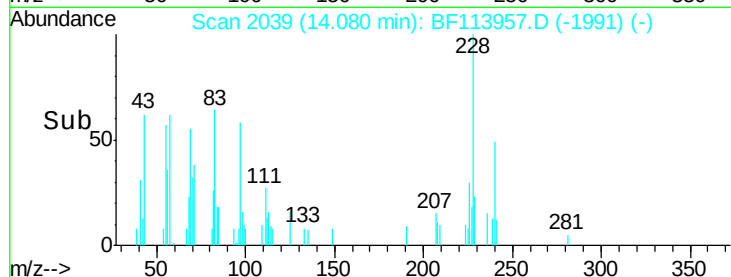
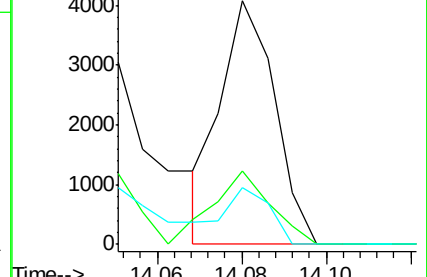
229 23.1 16.7 25.1



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: 0.323 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF113957.D

Acq: 24 Apr 2019 13:24

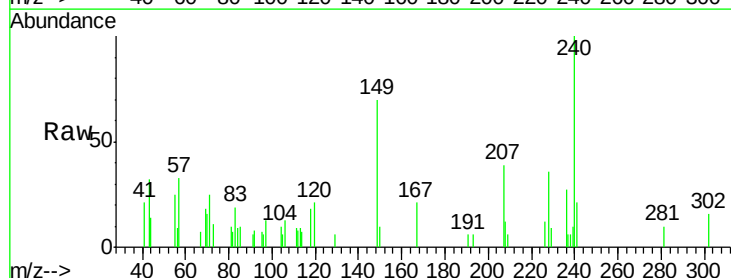
Tgt Ion:149 Resp: 3541

Ion Ratio Lower Upper

149 100

167 30.4 22.9 34.3

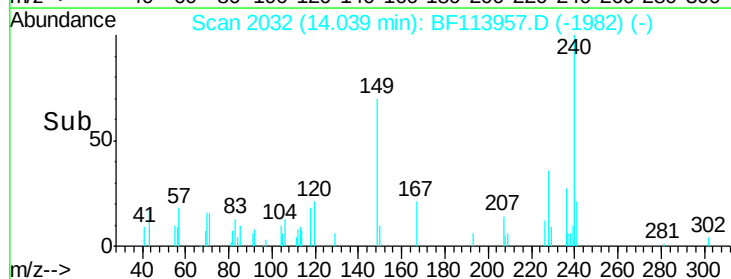
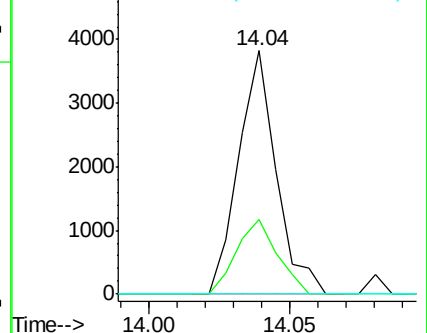
279 0.0 4.2 6.2#

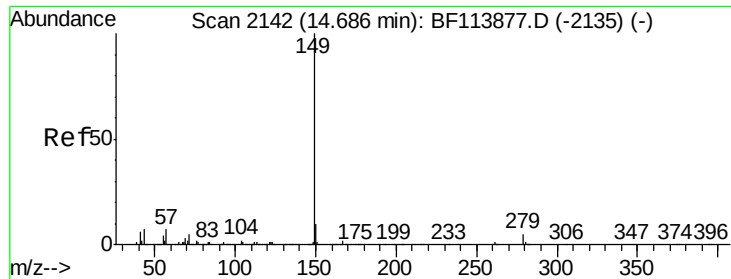


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 0.017 ng

RT: 14.67 min Scan# 2140

Delta R.T. -0.01 min

Lab File: BF113957.D

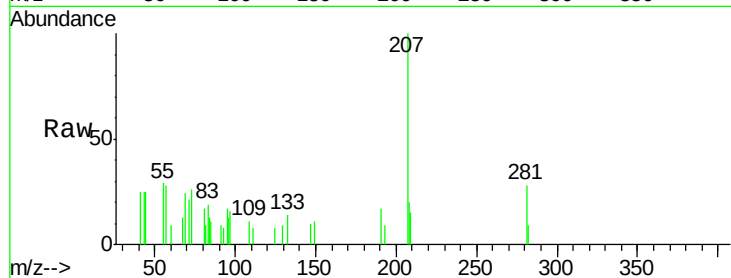
Acq: 24 Apr 2019 13:24

Instrument :

BNA_F

ClientSampleId :

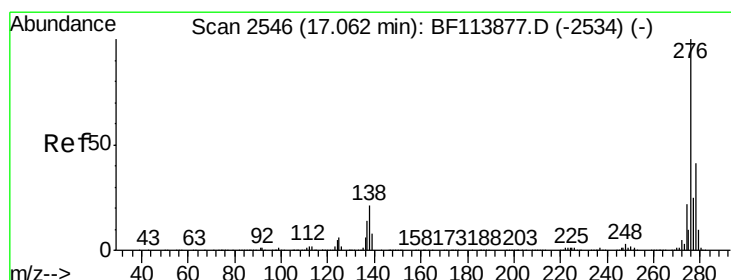
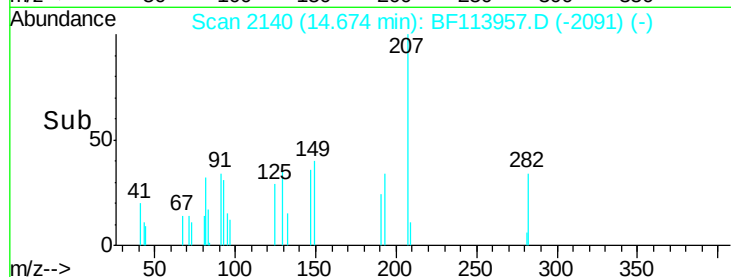
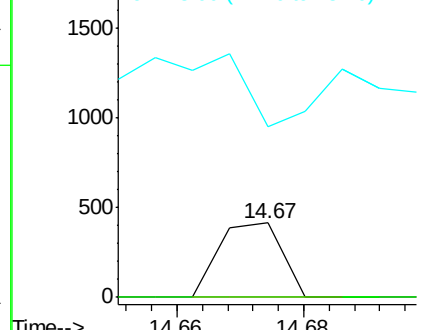
Tot Ion:149	Resp:	283
Ion Ratio	Lower	Upper
149	100	
167	0.0	1.3
43	0.0	6.6
		1.9#
		10.0#



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: 0.185 ng

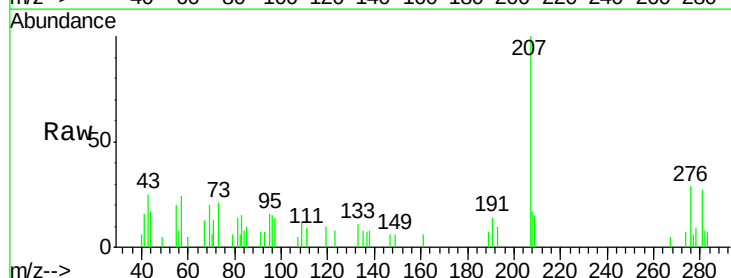
RT: 17.04 min Scan# 2543

Delta R.T. -0.02 min

Lab File: BF113957.D

Acq: 24 Apr 2019 13:24

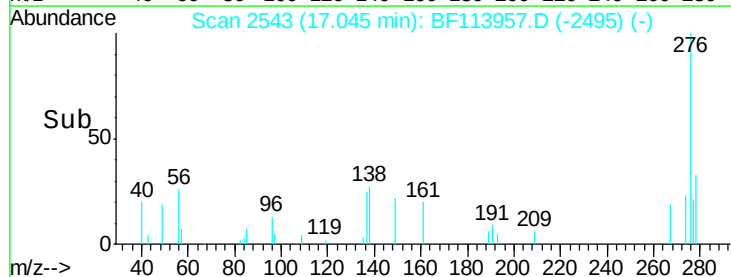
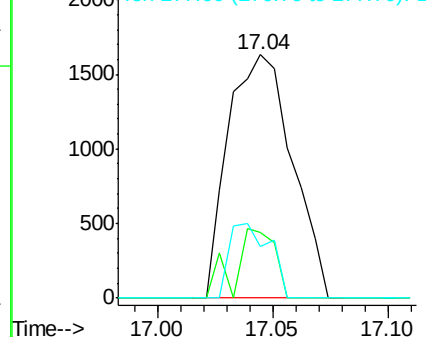
Tgt Ion:276	Resp:	3139
Ion Ratio	Lower	Upper
276	100	
138	17.8	19.6
277	19.3	20.2
		29.4#
		30.4#

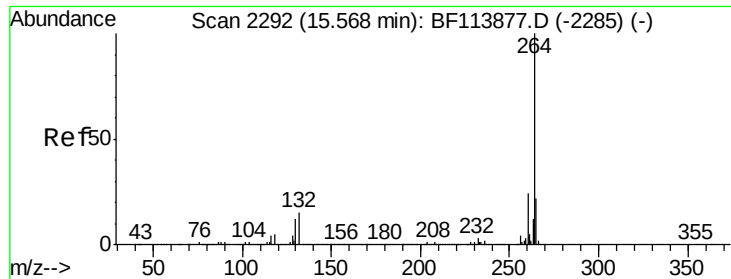


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.56 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BF113957.D

Acq: 24 Apr 2019 13:24

Instrument :

BNA_F

ClientSampleId :

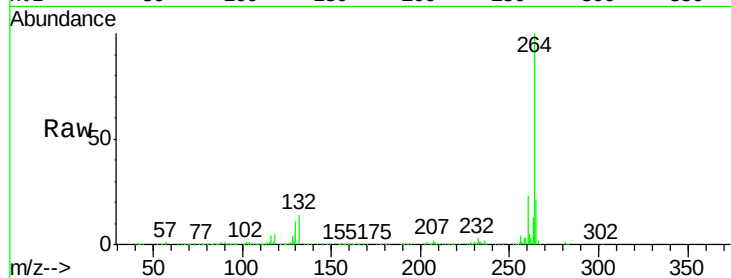
Tot Ion:264 Resp: 414697

Ion Ratio Lower Upper

264 100

260 23.4 18.9 28.3

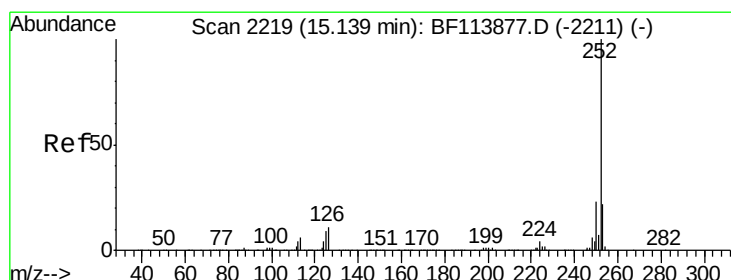
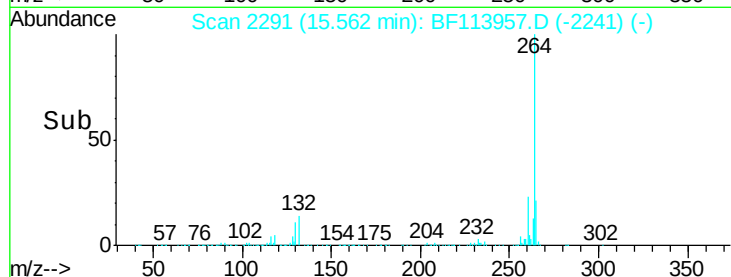
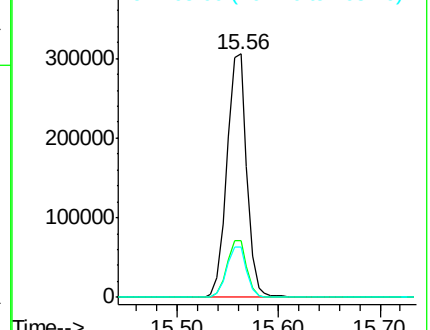
265 20.8 17.3 25.9



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: 0.289 ng

RT: 15.12 min Scan# 2216

Delta R.T. -0.02 min

Lab File: BF113957.D

Acq: 24 Apr 2019 13:24

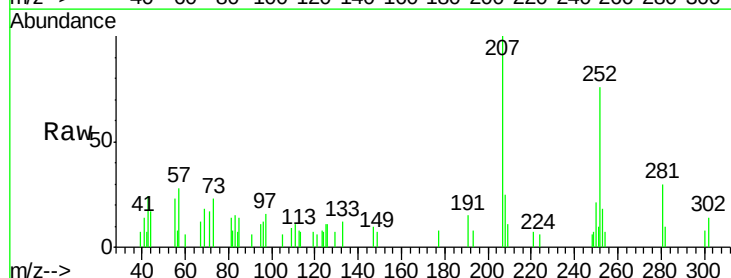
Tgt Ion:252 Resp: 7584

Ion Ratio Lower Upper

252 100

253 24.0 17.8 26.6

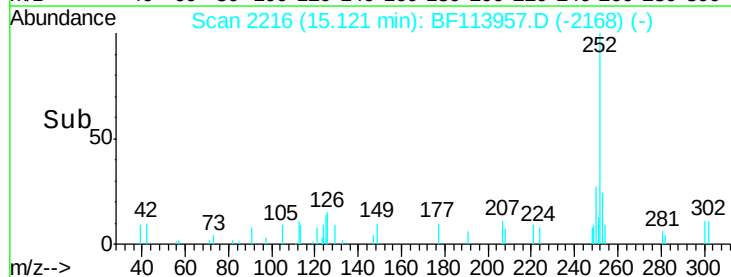
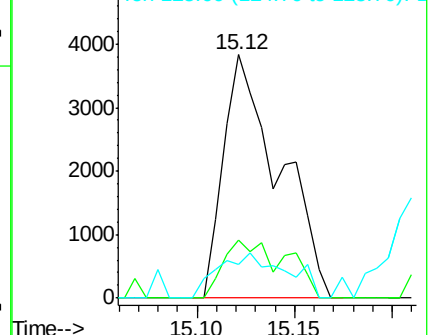
125 14.0 7.0 10.6#

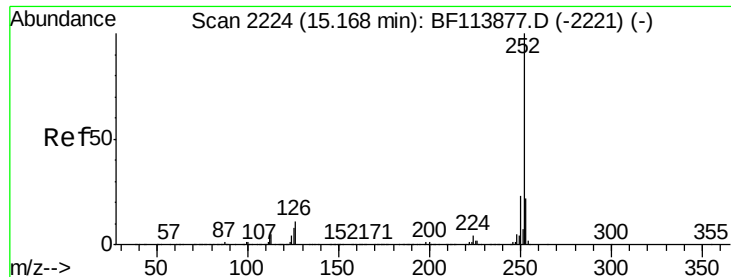


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

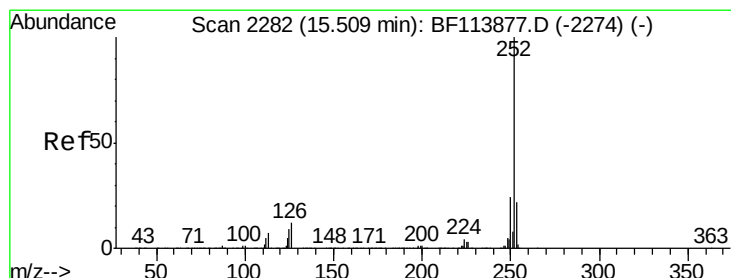
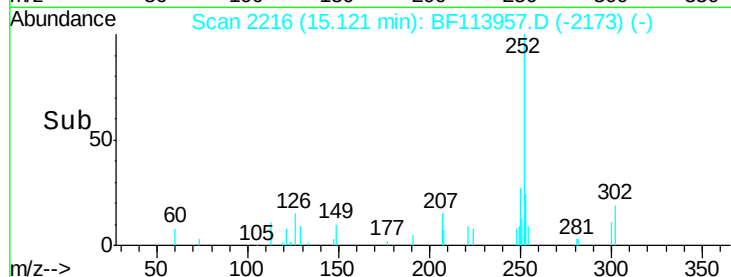
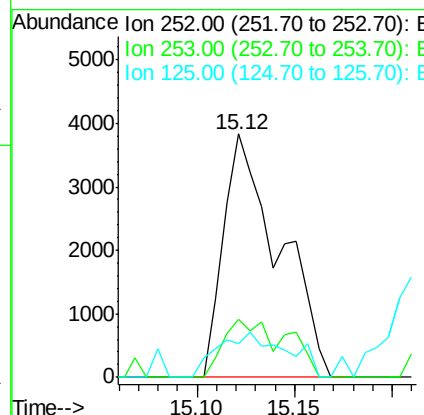
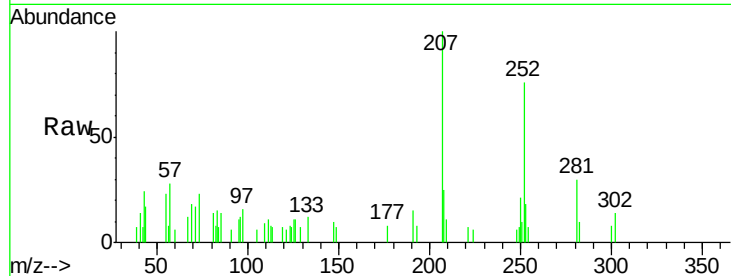




#89
Benzo(k)fluoranthene
Concen: 0.336 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.05 min
Lab File: BF113957.D
Acq: 24 Apr 2019 13:24

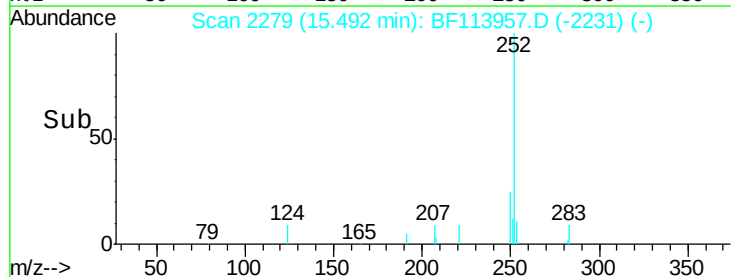
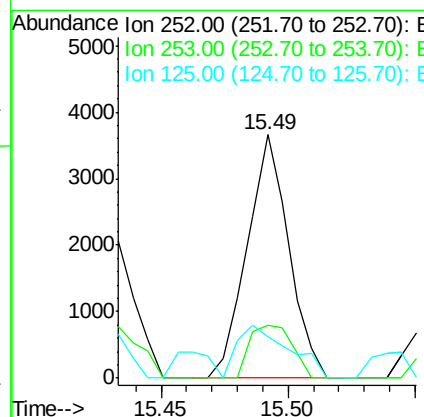
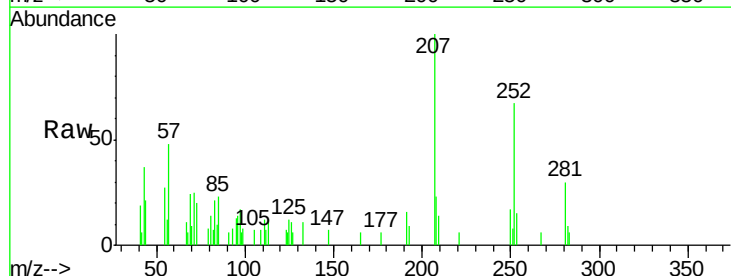
Instrument :
BNA_F
ClientSampled :

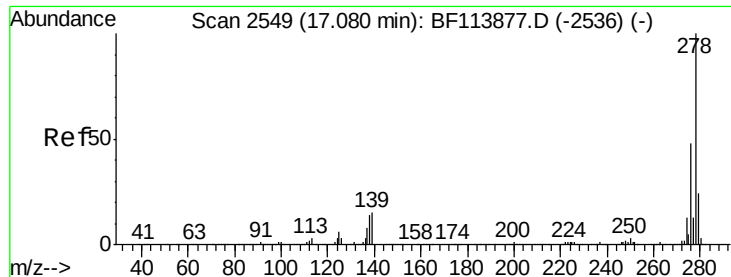
Tot Ion:252 Resp: 7584
Ion Ratio Lower Upper
252 100
253 24.0 18.2 27.2
125 14.0 7.4 11.2#



#90
Benzo(a)pyrene
Concen: 0.185 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.02 min
Lab File: BF113957.D
Acq: 24 Apr 2019 13:24

Tgt Ion:252 Resp: 4193
Ion Ratio Lower Upper
252 100
253 21.6 17.5 26.3
125 17.1 8.5 12.7#

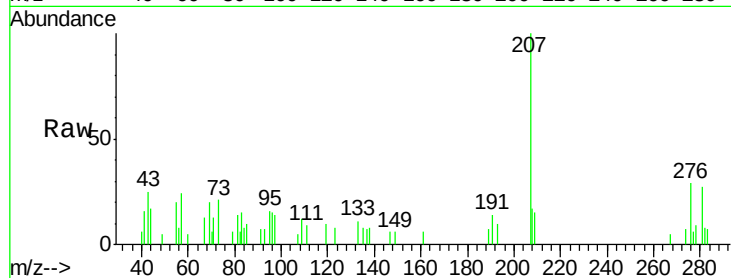




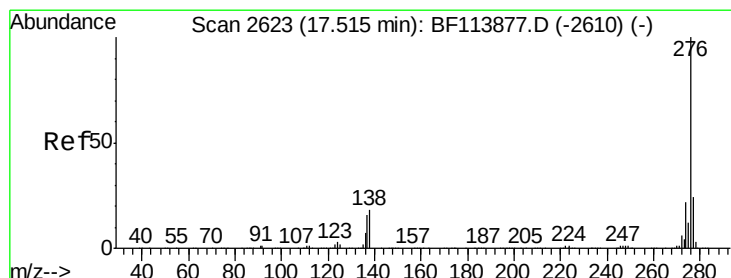
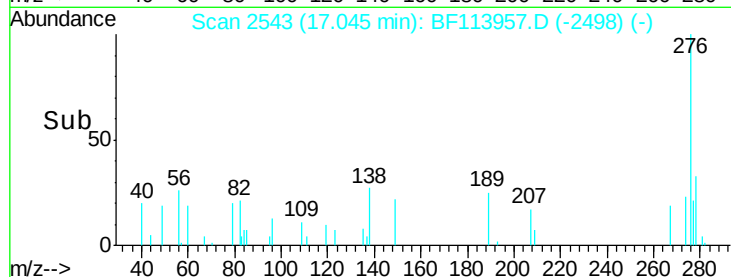
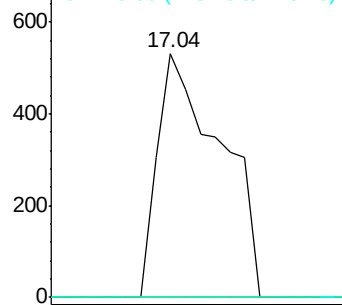
#91
Dibenzo(a,h)anthracene
Concen: 0.043 ng
RT: 17.04 min Scan# 2543
Delta R.T. -0.04 min
Lab File: BF113957.D
Acq: 24 Apr 2019 13:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 923
Ion Ratio Lower Upper
278 100
139 0.0 11.6 17.4#
279 0.0 19.0 28.6#

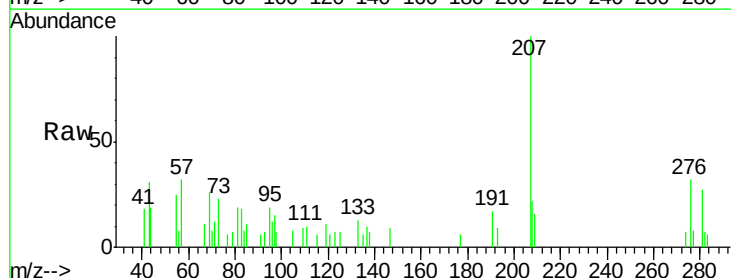


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 0.151 ng
RT: 17.49 min Scan# 2619
Delta R.T. -0.02 min
Lab File: BF113957.D
Acq: 24 Apr 2019 13:24

Tgt Ion:276 Resp: 3255
Ion Ratio Lower Upper
276 100
277 26.1 19.0 28.4
138 23.4 16.6 25.0



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

