

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032519\
 Data File : BF113284.D
 Acq On : 25 Mar 2019 17:32
 Operator : JU/SJ
 Sample : PB118232BL
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB118232BL

Quant Time: Mar 26 04:00:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	189620	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	739536	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	393897	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	826131	20.00	ng	0.00
76) Chrysene-d12	13.84	240	761013	20.00	ng	0.00
87) Perylene-d12	15.24	264	714805	20.00	ng	0.00

System Monitoring Compounds

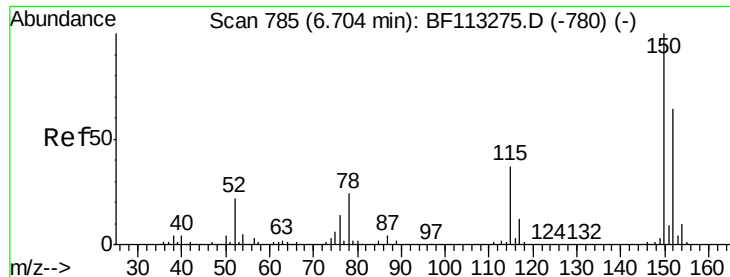
5) 2-Fluorophenol	5.33	112	1227254	105.83	ng	0.01
7) Phenol-d6	6.35	99	1535188	104.64	ng	0.00
23) Nitrobenzene-d5	7.26	82	971069	77.94	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	523917	107.68	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1943983	75.35	ng	0.00
79) Terphenyl-d14	12.80	244	2136219	61.87	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.14	88	107	0.018	ng	# 20
6) Aniline	6.47	93	1629	0.091	ng	# 1
8) 2-Chlorophenol	6.49	128	299	0.022	ng	# 1
9) Benzaldehyde	6.35	77	1885	0.191	ng	# 1
10) Phenol	6.47	94	2414	0.144	ng	# 1
11) bis(2-Chloroethyl)ether	6.47	93	1629	0.127	ng	# 1
15) Benzyl Alcohol	6.86	79	15075	1.558	ng	# 48
19) n-Nitroso-di-n-propylamine	7.26	70	123979	13.454	ng	# 78
24) Nitrobenzene	7.26	77	2548	0.196	ng	# 27
25) Isophorone	7.26	82	916051	37.937	ng	# 64
38) 1-Methylnaphthalene	9.06	142	418	0.019	ng	# 50
46) 1,1'-Biphenyl	9.16	154	3629	0.110	ng	# 96
48) 2-Nitroaniline	9.06	65	2910	0.366	ng	# 1
50) Dimethylphthalate	9.73	163	96001	3.289	ng	# 1
51) 2,6-Dinitrotoluene	9.73	165	50374	7.649	ng	# 26
52) Acenaphthene	9.73	154	1182	0.051	ng	# 5
57) 2,4-Dinitrotoluene	9.73	165	50374	6.015	ng	# 23
58) Fluorene	10.52	166	19895	0.739	ng	# 91
63) Azobenzene	10.52	77	1603	0.059	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.52	198	869	0.192	ng	# 1
66) n-Nitrosodiphenylamine	10.52	169	12794	0.505	ng	# 43
67) 4-Bromophenyl-phenylether	10.52	248	29162	3.239	ng	# 1
71) Phenanthrene	11.21	178	124	0.003	ng	# 1
72) Anthracene	11.21	178	124	0.003	ng	# 1
74) Di-n-butylphthalate	11.78	149	387	0.008	ng	# 78
77) Benzidine	12.80	184	26030	0.893	ng	# 98
78) Pyrene	12.80	202	6523	0.124	ng	# 70
81) Benzo(a)anthracene	13.84	228	1783	0.041	ng	# 58
83) Chrysene	13.84	228	1783	0.040	ng	# 56
90) Benzo(a)pyrene	15.24	252	2041	0.052	ng	# 69

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

```
Data Path : Z:\SV0ASRV\HPCHEM1\BNA_F\DATA\BF032519\
Data File : BF113284.D
Acq On    : 25 Mar 2019  17:32
Operator  : JU/SJ
Sample    : PB118232BL
Misc      :
ALS Vial  : 13      Sample Multiplier: 1
```

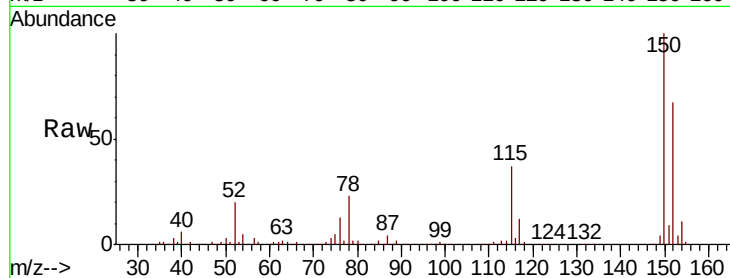


#1

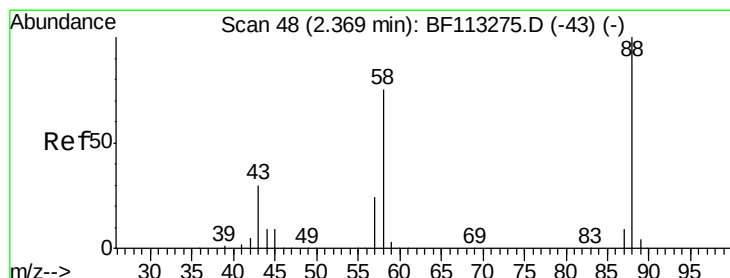
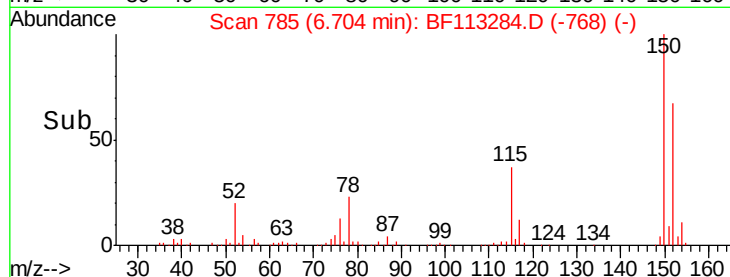
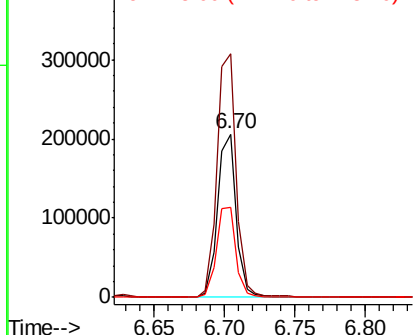
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.00 min
Lab File: BF113284.D
Acq: 25 Mar 2019 17:32

Instrument :
BNA_F
ClientSampleId :
PB118232BL

Tgt Ion: 152 Resp: 189620
Ion Ratio Lower Upper
152 100
150 149.1 124.7 187.1
115 55.1 46.0 69.0



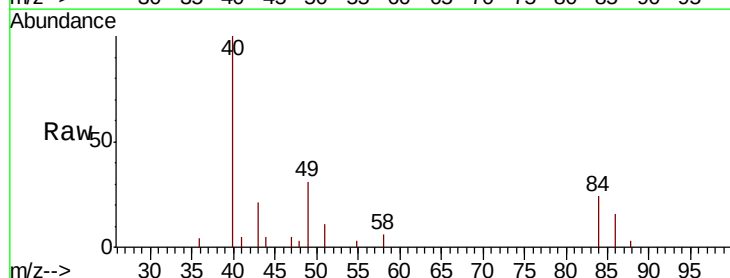
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



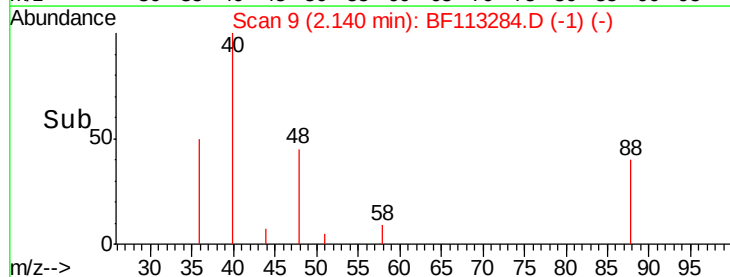
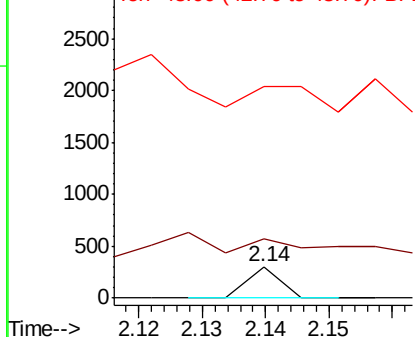
#2

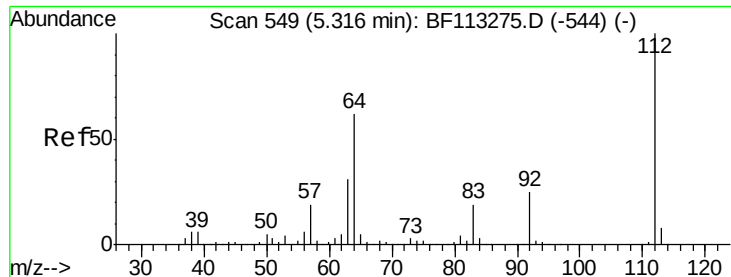
1,4-Dioxane
Concen: 0.018 ng
RT: 2.14 min Scan# 9
Delta R.T. -0.23 min
Lab File: BF113284.D
Acq: 25 Mar 2019 17:32

Tgt Ion: 88 Resp: 107
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





#5

2-Fluorophenol

Concen: 105.828 ng

RT: 5.33 min Scan# 551

Delta R.T. 0.01 min

Lab File: BF113284.D

Acq: 25 Mar 2019 17:32

Instrument :

BNA_F

ClientSampleId :

PB118232BL

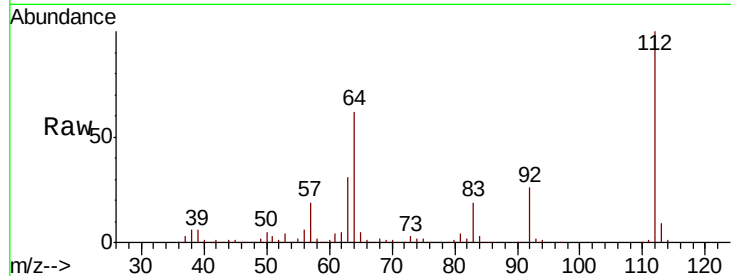
Tgt Ion: 112 Resp: 1227254

Ion Ratio Lower Upper

112 100

64 62.1 49.2 73.8

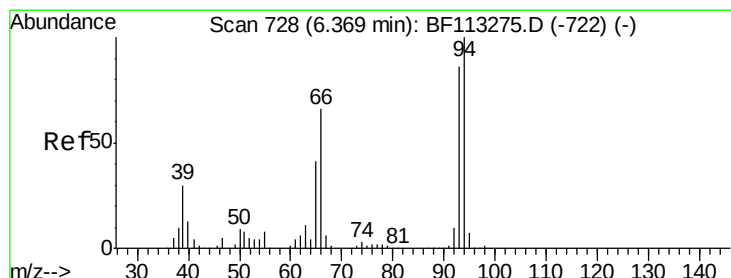
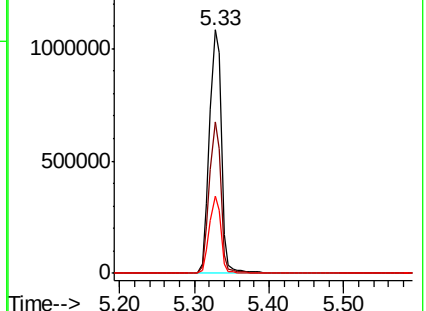
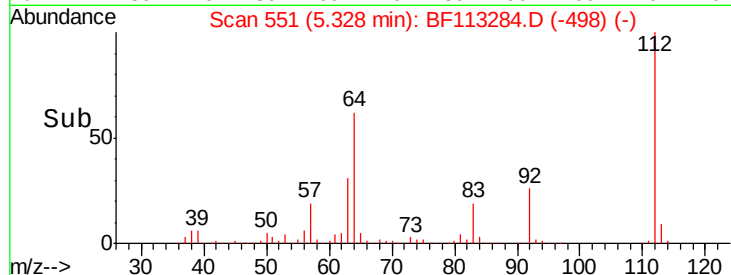
63 31.5 24.9 37.3



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: 0.091 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.11 min

Lab File: BF113284.D

Acq: 25 Mar 2019 17:32

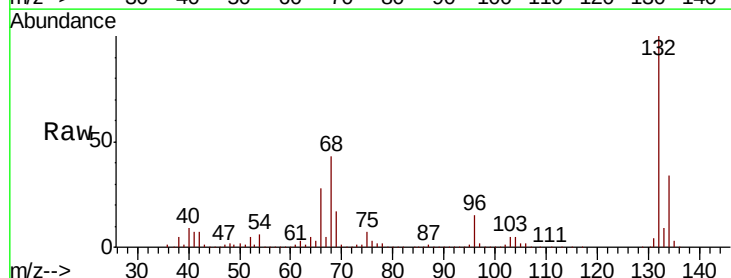
Tgt Ion: 93 Resp: 1629

Ion Ratio Lower Upper

93 100

66 21418.0 62.1 93.1#

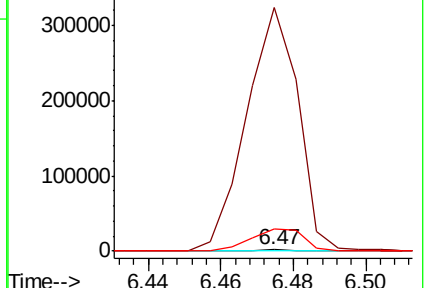
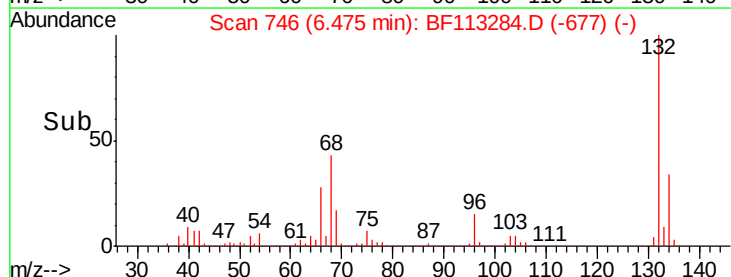
65 1975.7 38.7 58.1#

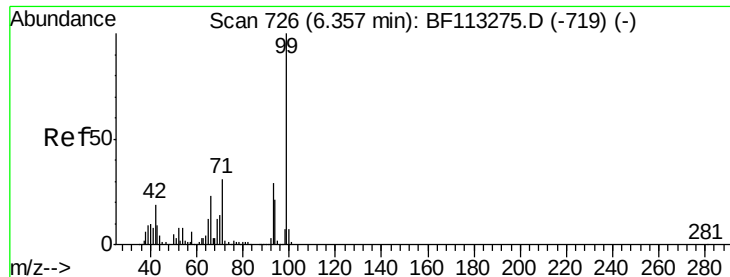


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 104.645 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113284.D

Acq: 25 Mar 2019 17:32

Instrument :

BNA_F

ClientSampleId :

PB118232BL

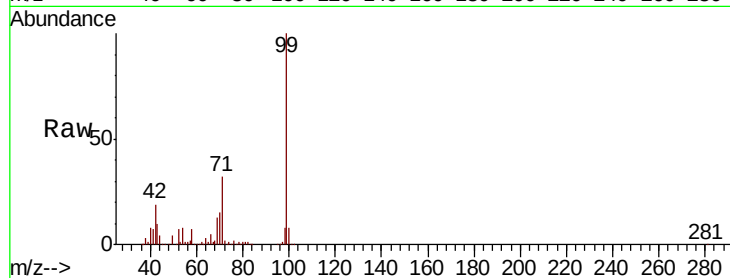
Tgt Ion: 99 Resp: 1535188

Ion Ratio Lower Upper

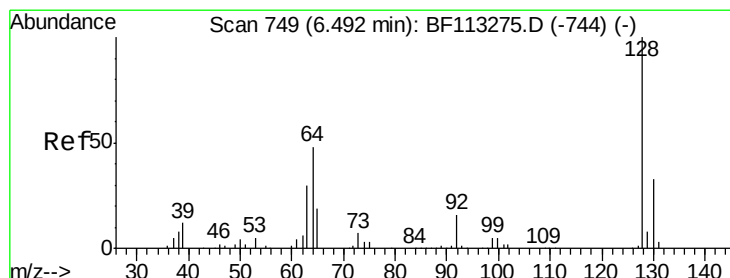
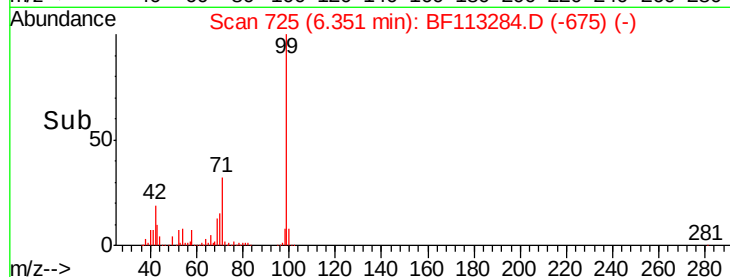
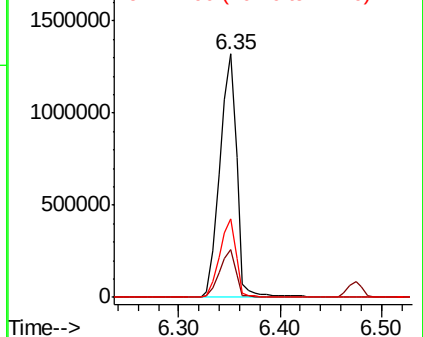
99 100

42 19.5 14.8 22.2

71 32.4 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



#8

2-Chlorophenol

Concen: 0.022 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF113284.D

Acq: 25 Mar 2019 17:32

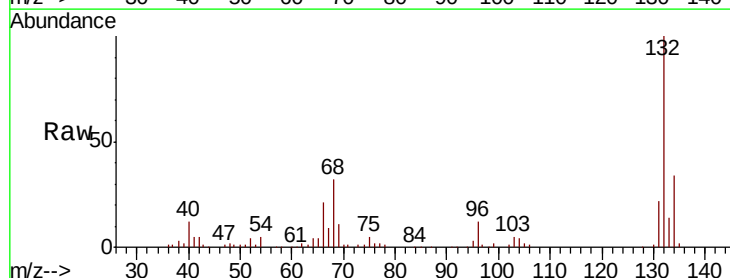
Tgt Ion: 128 Resp: 299

Ion Ratio Lower Upper

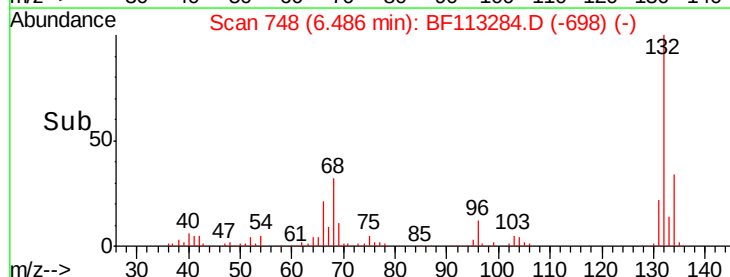
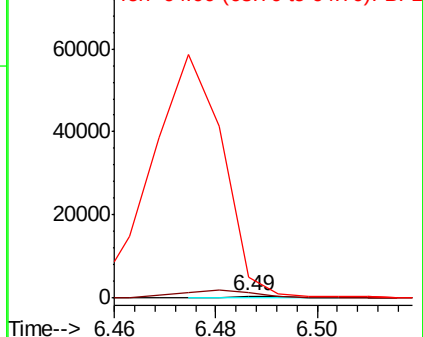
128 100

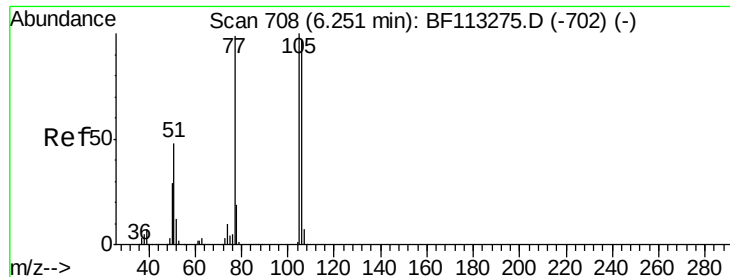
130 277.8 12.6 52.6#

64 1077.6 29.4 69.4#



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: 0.191 ng

RT: 6.35 min Scan# 725

Delta R.T. 0.10 min

Lab File: BF113284.D

Acq: 25 Mar 2019 17:32

Instrument :

BNA_F

ClientSampleId :

PB118232BL

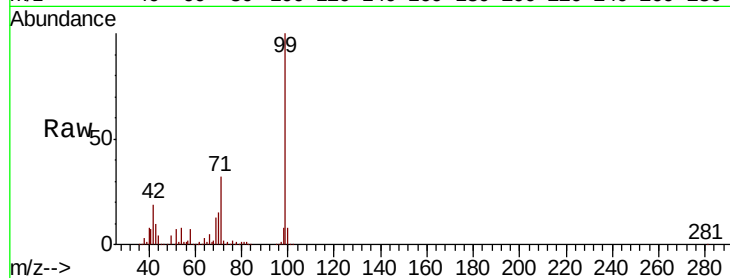
Tgt Ion: 77 Resp: 1885

Ion Ratio Lower Upper

77 100

105 0.0 80.9 120.9#

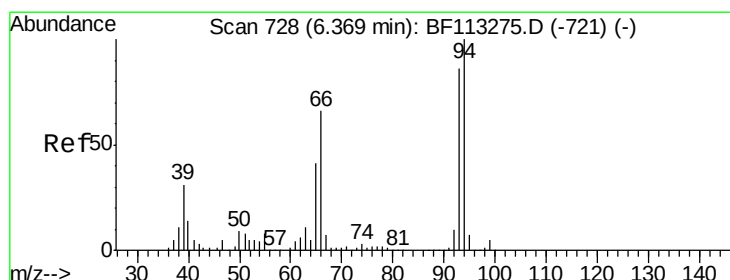
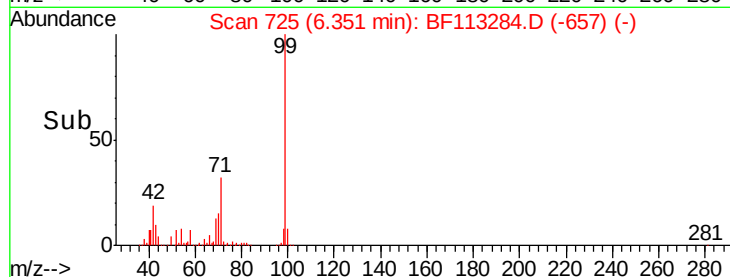
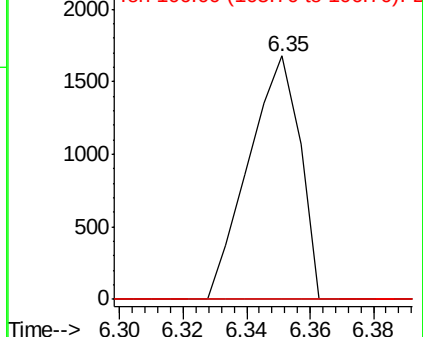
106 0.0 77.8 117.8#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#10

Phenol

Concen: 0.144 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.11 min

Lab File: BF113284.D

Acq: 25 Mar 2019 17:32

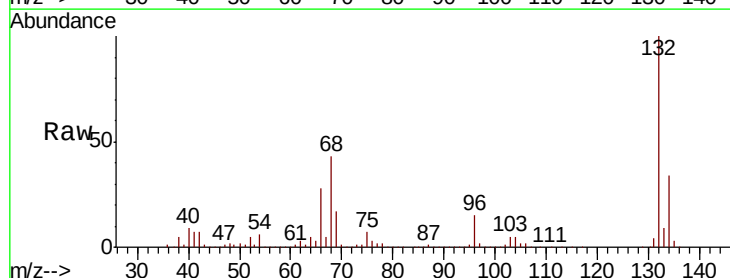
Tgt Ion: 94 Resp: 2414

Ion Ratio Lower Upper

94 100

65 1108.0 21.4 61.4#

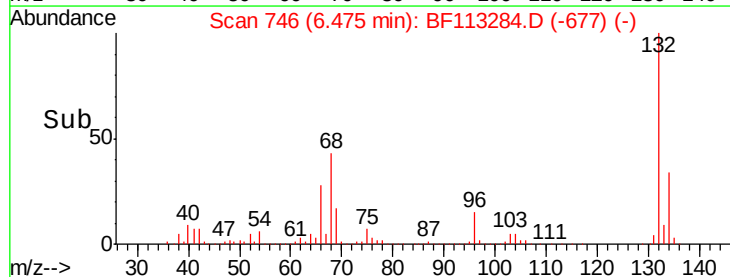
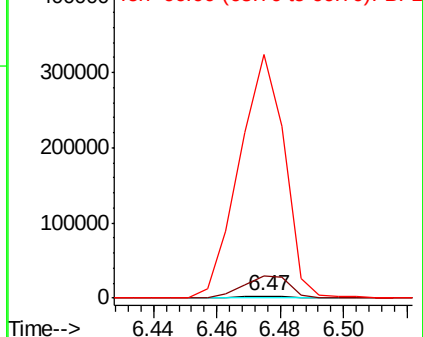
66 12011.9 46.4 86.4#

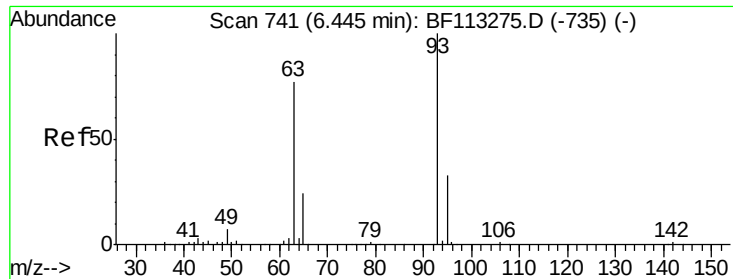


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

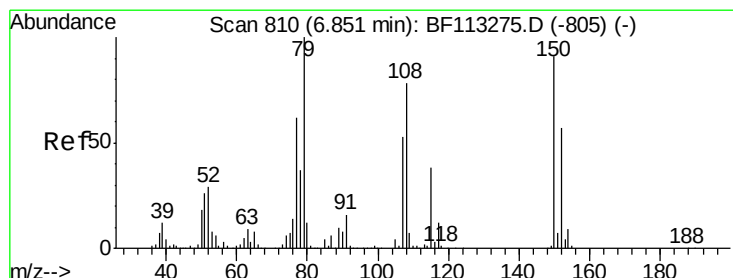
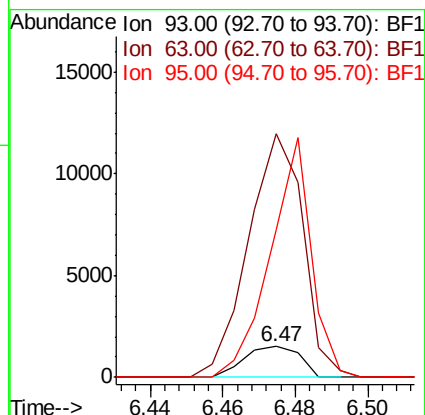
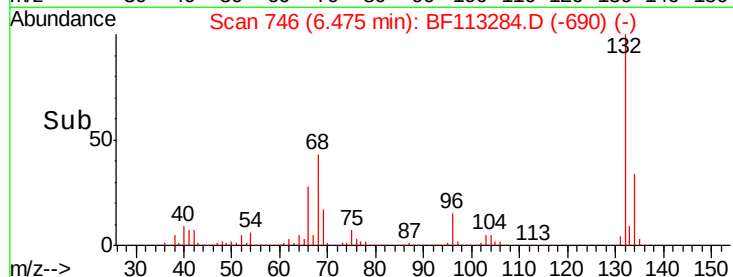
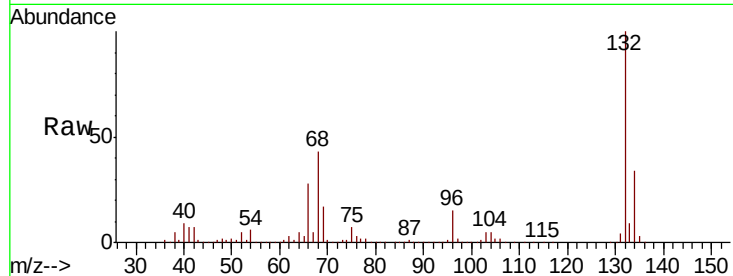




#11
bis(2-Chloroethyl)ether
Concen: 0.127 ng
RT: 6.47 min Scan# 746
Delta R.T. 0.03 min
Lab File: BF113284.D
Acq: 25 Mar 2019 17:32

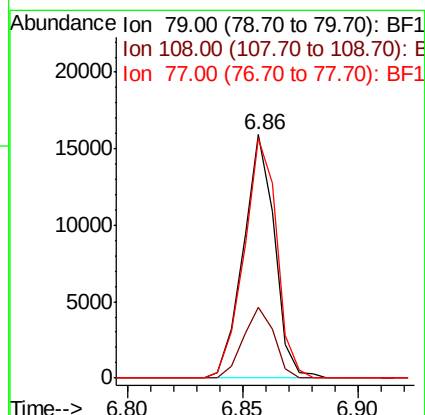
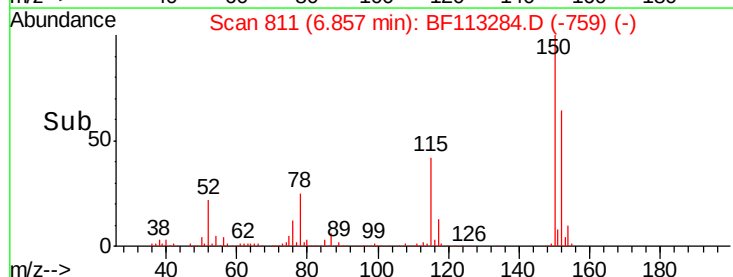
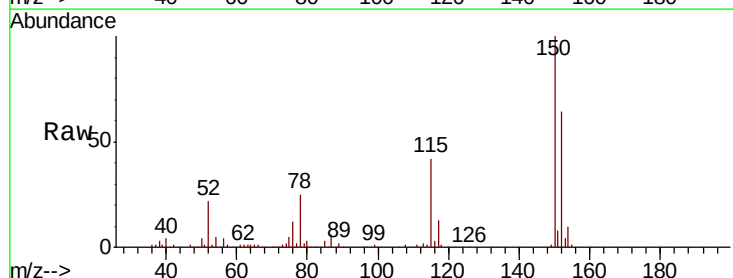
Instrument :
BNA_F
ClientSampleId :
PB118232BL

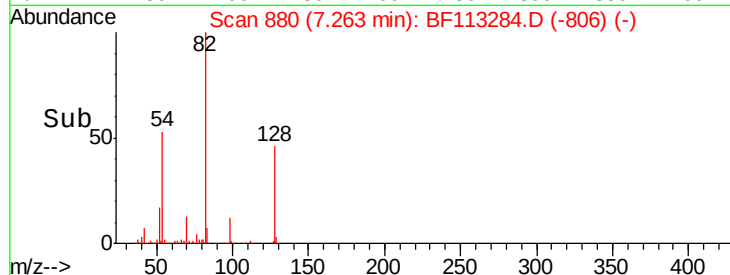
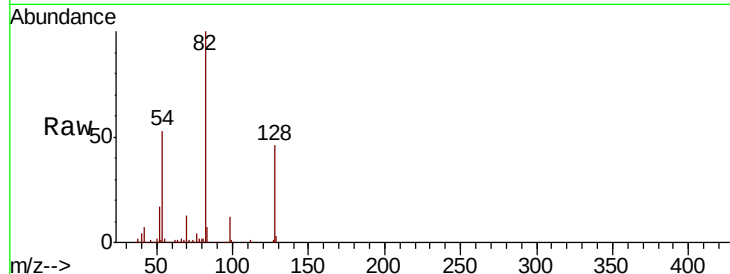
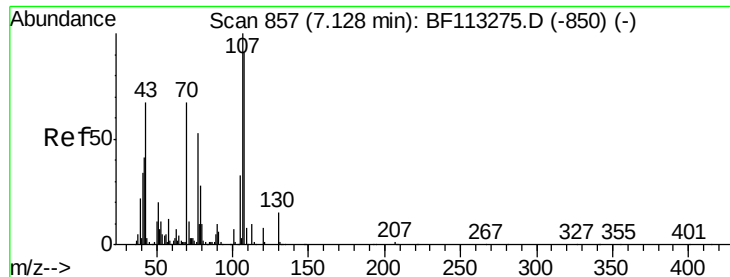
Tgt Ion: 93 Resp: 1629
Ion Ratio Lower Upper
93 100
63 791.5 56.1 96.1#
95 479.0 12.8 52.8#



#15
Benzyl Alcohol
Concen: 1.558 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.01 min
Lab File: BF113284.D
Acq: 25 Mar 2019 17:32

Tgt Ion: 79 Resp: 15075
Ion Ratio Lower Upper
79 100
108 28.9 62.0 93.0#
77 98.4 49.9 74.9#

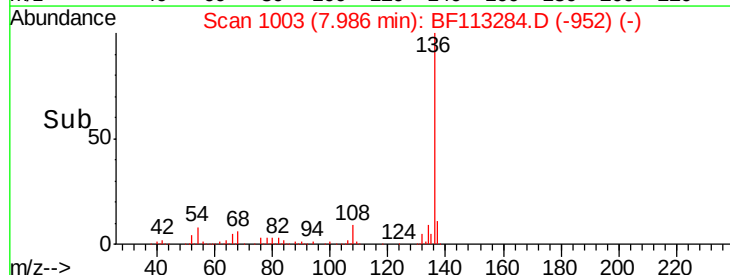
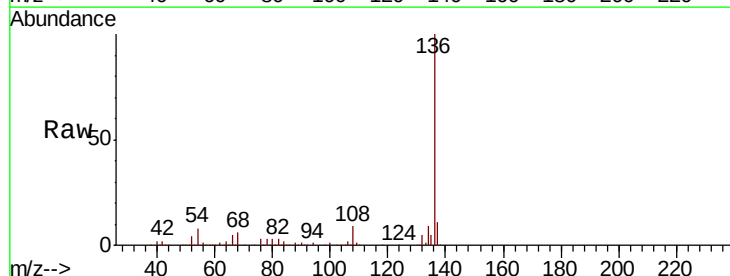
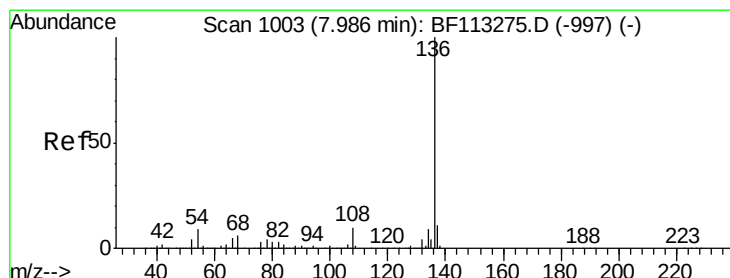
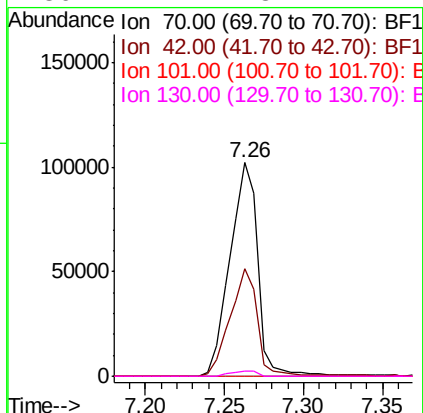




#19
n-Nitroso-di-n-propylamine
Concen: 13.454 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.14 min
Lab File: BF113284.D
Acq: 25 Mar 2019 17:32

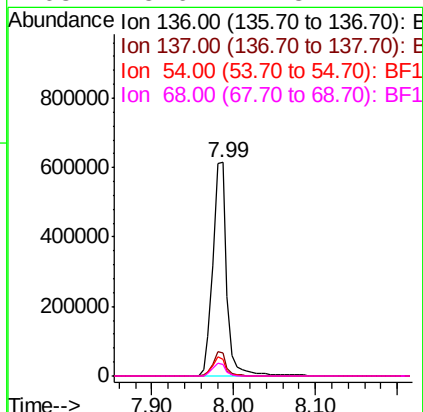
Instrument :
BNA_F
ClientSampleId :
PB118232BL

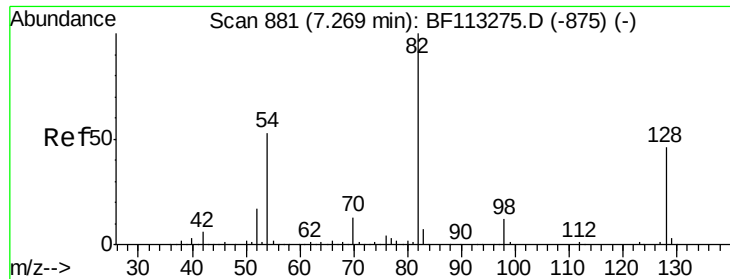
Tgt Ion:	70	Resp:	123979
Ion	Ratio	Lower	Upper
70	100		
42	50.6	48.4	72.6
101	0.0	7.8	11.8#
130	2.4	18.2	27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BF113284.D
Acq: 25 Mar 2019 17:32

Tgt Ion:	136	Resp:	739536
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.6	7.0	10.6
68	5.6	4.8	7.2

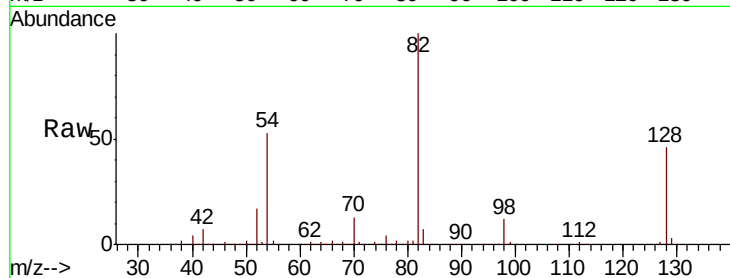




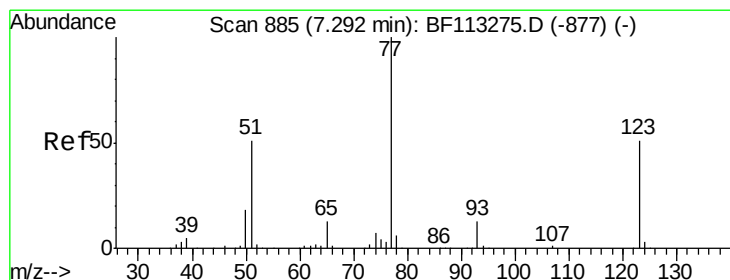
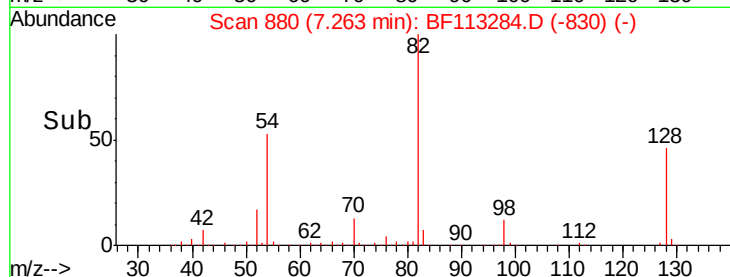
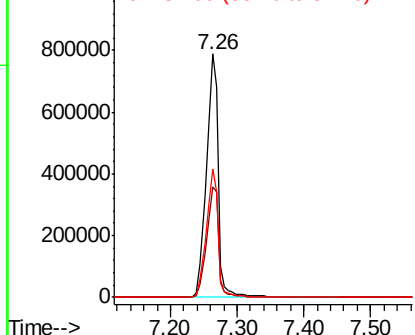
#23
 Nitrobenzene-d5
 Concen: 77.937 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: BF113284.D
 Acq: 25 Mar 2019 17:32

Instrument :
 BNA_F
 ClientSampleID :
 PB118232BL

Tgt Ion: 82 Resp: 971069
 Ion Ratio Lower Upper
 82 100
 128 45.6 36.5 54.7
 54 52.9 42.2 63.2

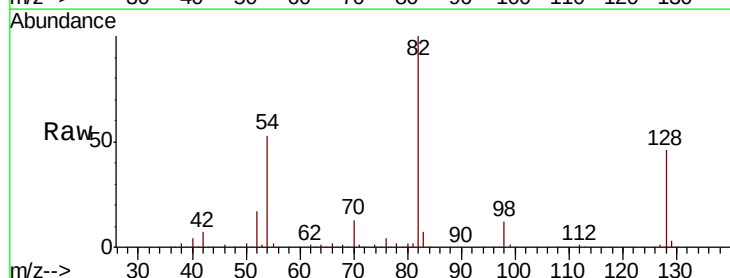


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

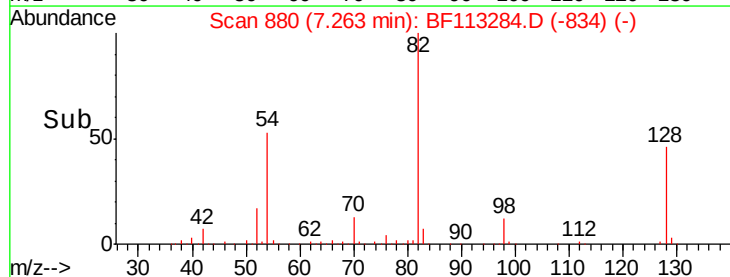
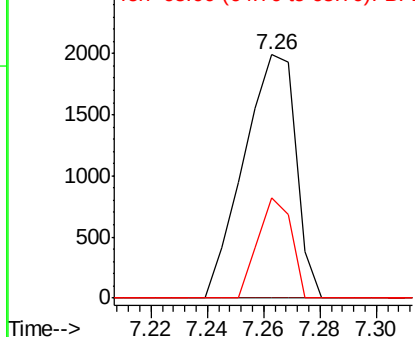


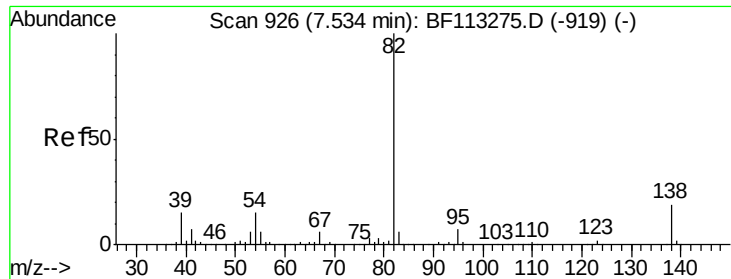
#24
 Nitrobenzene
 Concen: 0.196 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.03 min
 Lab File: BF113284.D
 Acq: 25 Mar 2019 17:32

Tgt Ion: 77 Resp: 2548
 Ion Ratio Lower Upper
 77 100
 123 0.0 40.8 61.2#
 65 41.3 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

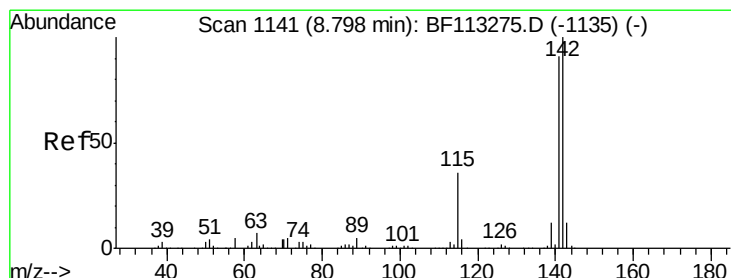
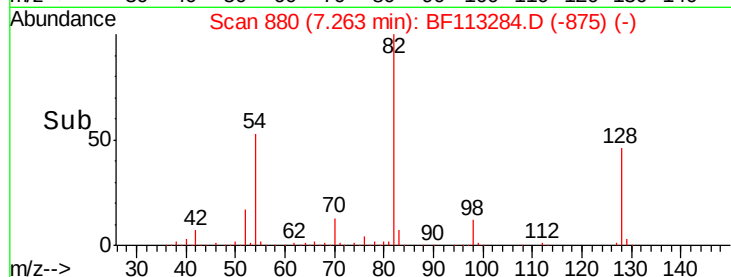
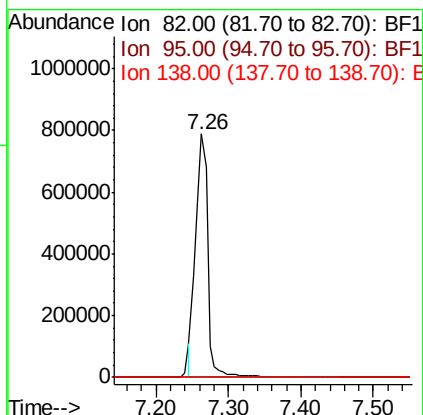
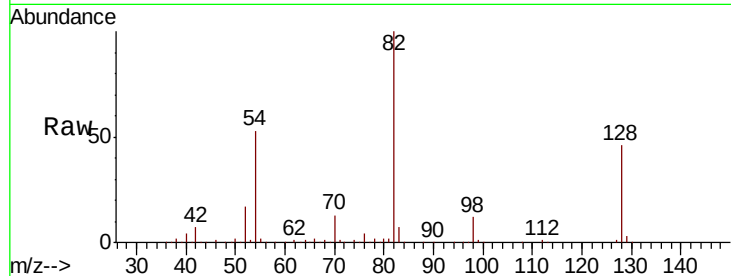




#25
Isophorone
Concen: 37.937 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.27 min
Lab File: BF113284.D
Acq: 25 Mar 2019 17:32

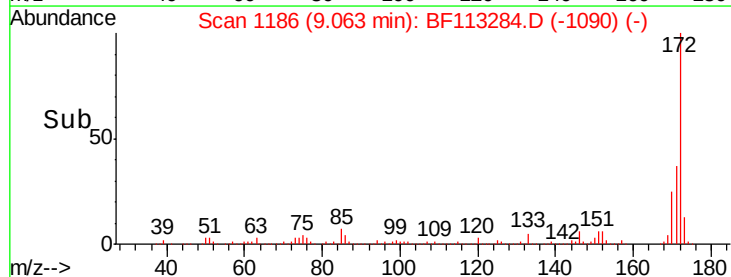
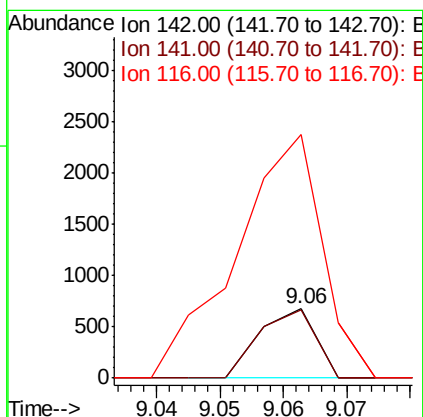
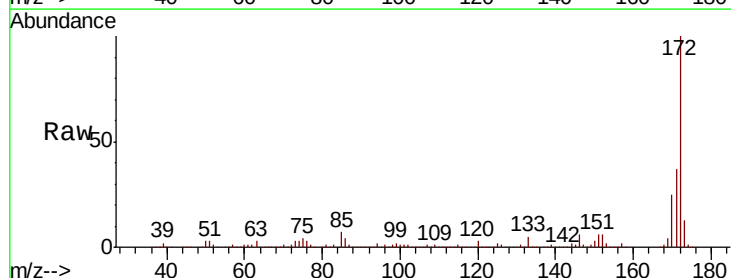
Instrument :
BNA_F
ClientSampleId :
PB118232BL

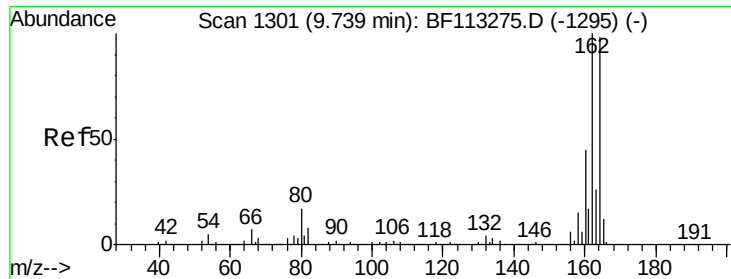
Tgt Ion: 82 Resp: 916051
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 15.2 22.8#



#38
1-Methylnaphthalene
Concen: 0.019 ng
RT: 9.06 min Scan# 1186
Delta R.T. 0.26 min
Lab File: BF113284.D
Acq: 25 Mar 2019 17:32

Tgt Ion: 142 Resp: 418
Ion Ratio Lower Upper
142 100
141 99.9 73.2 109.8
116 353.2 3.0 4.4#

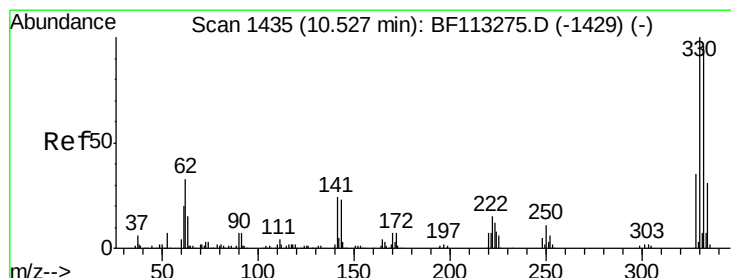
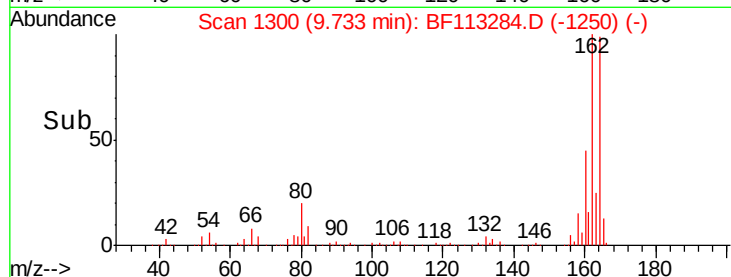
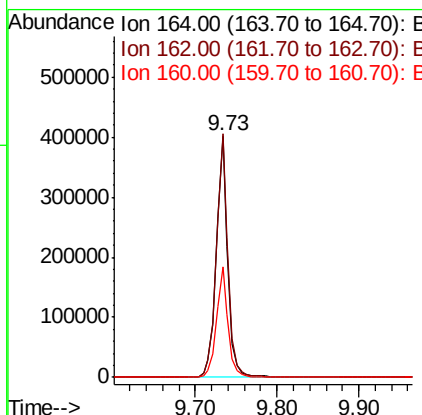
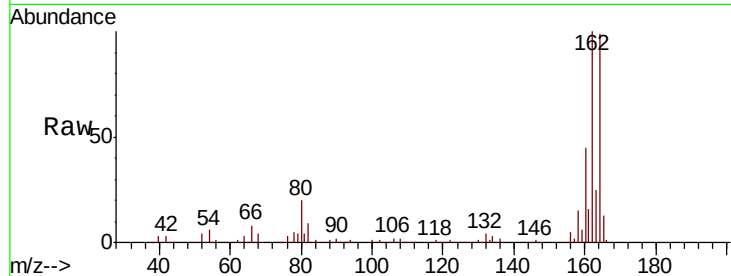




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF113284.D
 Acq: 25 Mar 2019 17:32

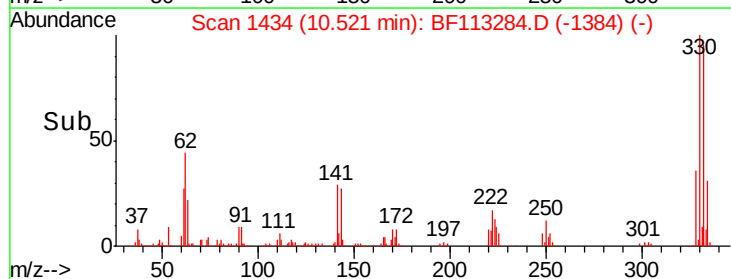
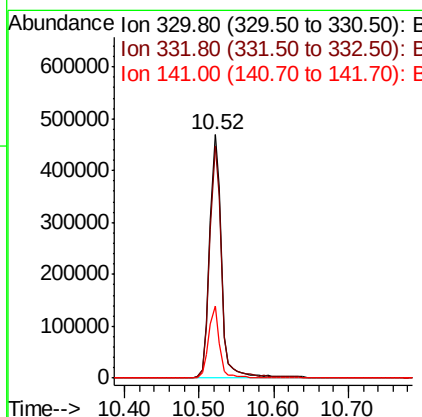
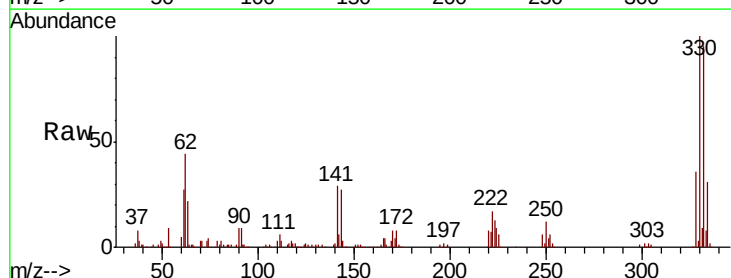
Instrument :
 BNA_F
 ClientSampleId :
 PB118232BL

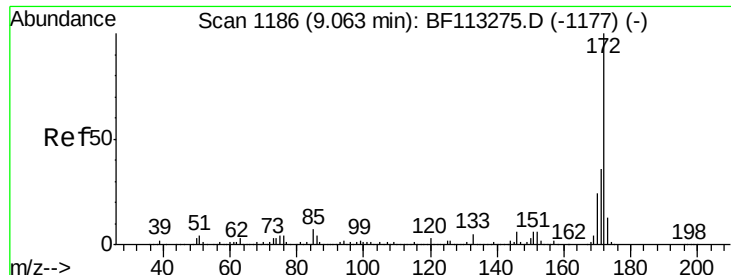
Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.8	122.6
160	45.7	36.4	54.6



#42
 2,4,6-Tribromophenol
 Concen: 107.679 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF113284.D
 Acq: 25 Mar 2019 17:32

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.8	116.6
141	28.0	22.7	34.1

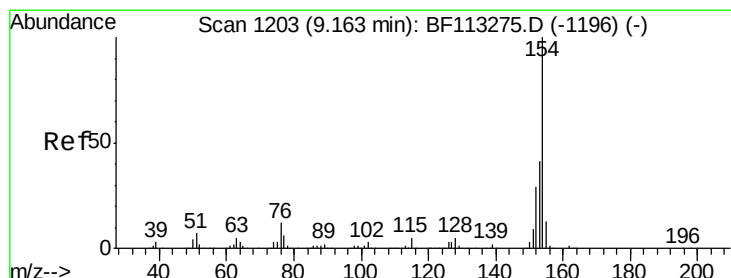
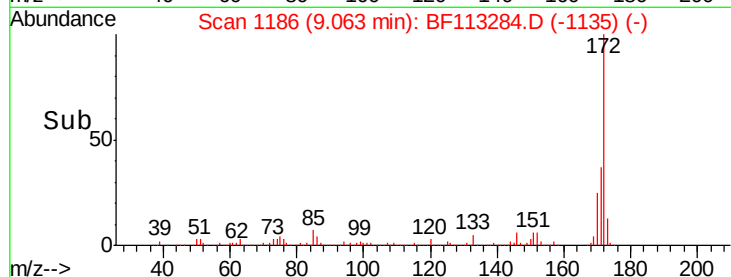
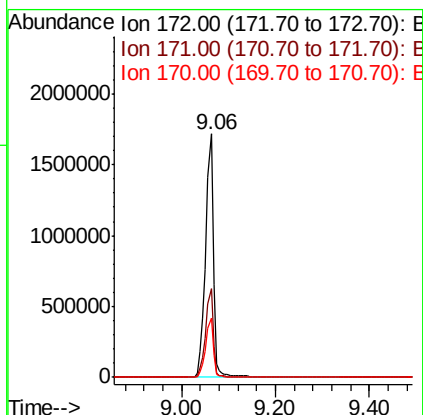
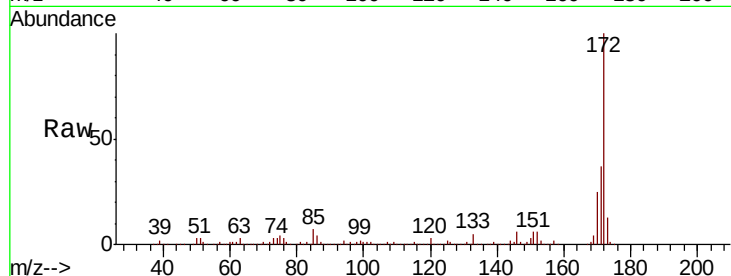




#45
2-Fluorobiphenyl
Concen: 75.351 ng
RT: 9.06 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BF113284.D
Acq: 25 Mar 2019 17:32

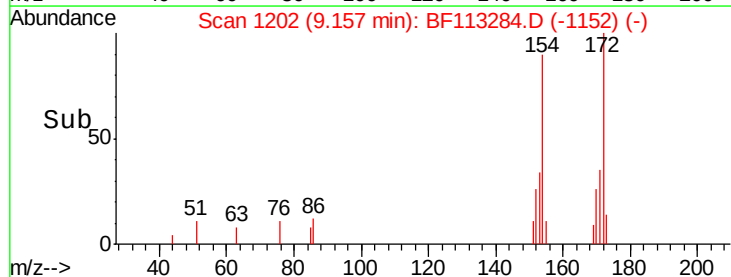
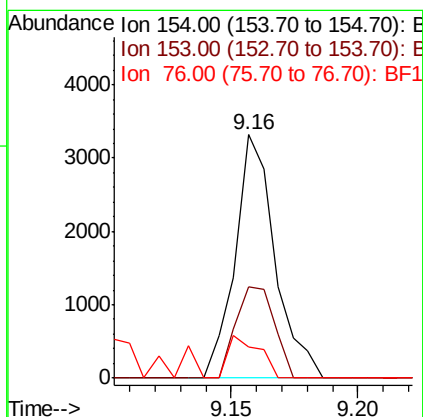
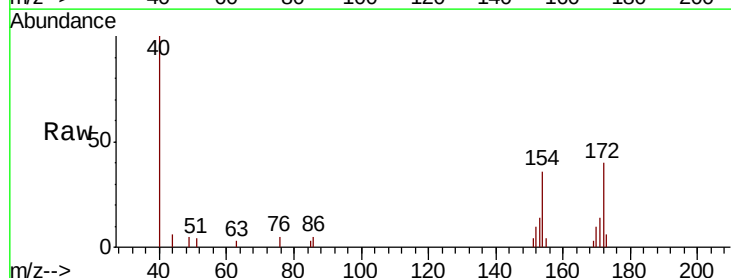
Instrument :
BNA_F
ClientSampleId :
PB118232BL

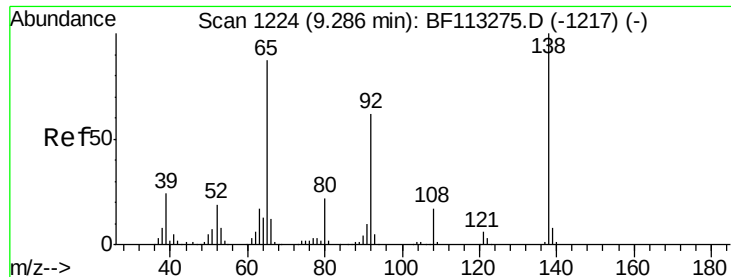
Tgt Ion:172 Resp: 1943983
Ion Ratio Lower Upper
172 100
171 36.5 29.0 43.6
170 24.6 19.5 29.3



#46
1,1'-Biphenyl
Concen: 0.110 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF113284.D
Acq: 25 Mar 2019 17:32

Tgt Ion:154 Resp: 3629
Ion Ratio Lower Upper
154 100
153 37.7 20.8 60.8
76 12.6 0.0 31.9

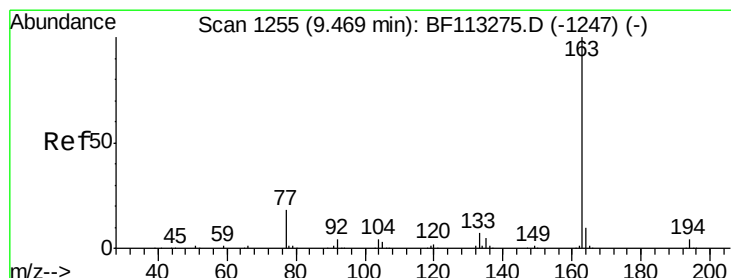
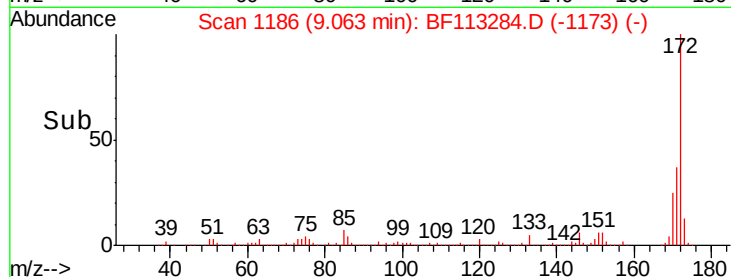
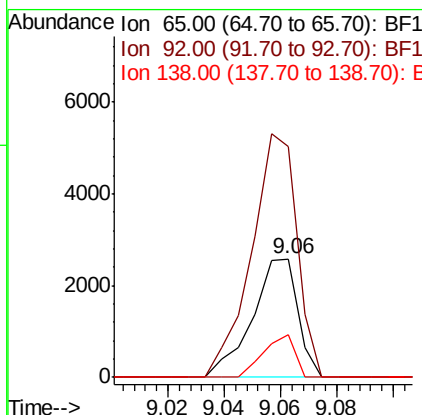
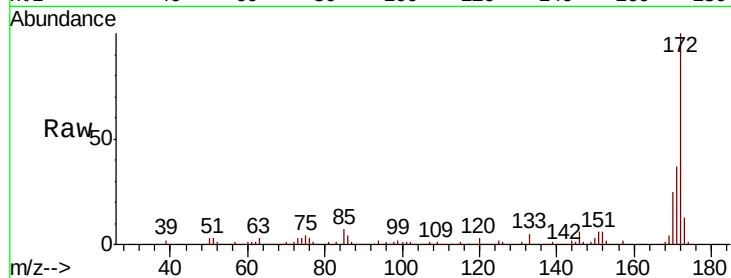




#48
 2-Nitroaniline
 Concen: 0.366 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.22 min
 Lab File: BF113284.D
 Acq: 25 Mar 2019 17:32

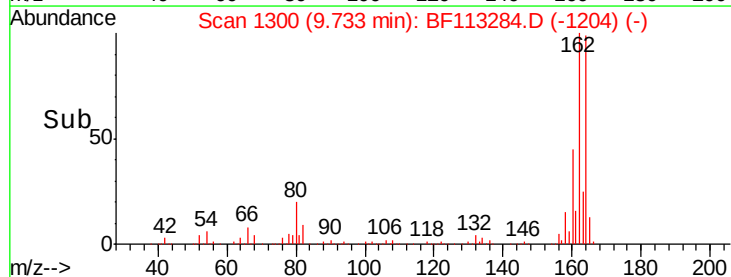
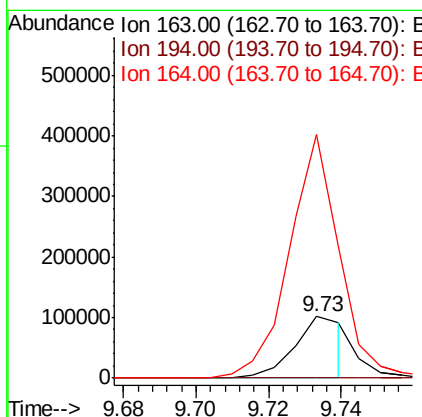
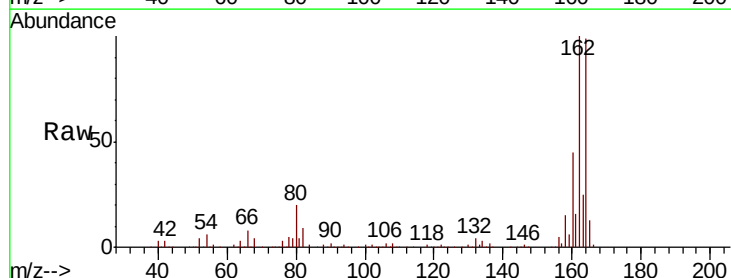
Instrument :
 BNA_F
 ClientSampleId :
 PB118232BL

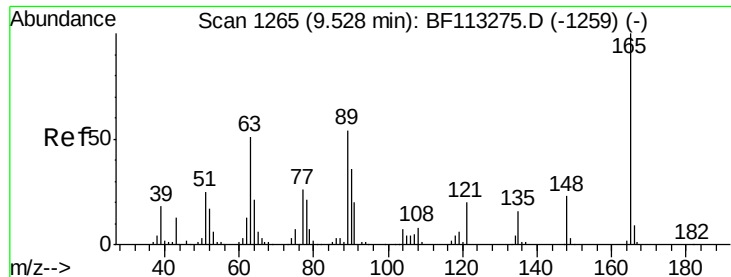
Tgt Ion: 65 Resp: 2910
 Ion Ratio Lower Upper
 65 100
 92 194.6 56.8 85.2#
 138 35.8 92.3 138.5#



#50
 Dimethylphthalate
 Concen: 3.289 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. 0.26 min
 Lab File: BF113284.D
 Acq: 25 Mar 2019 17:32

Tgt Ion: 163 Resp: 96001
 Ion Ratio Lower Upper
 163 100
 194 0.0 3.0 4.6#
 164 394.6 8.1 12.1#

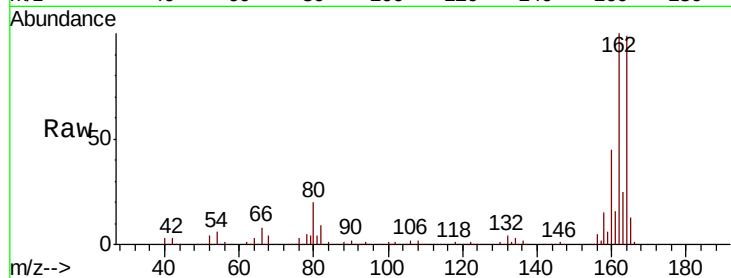




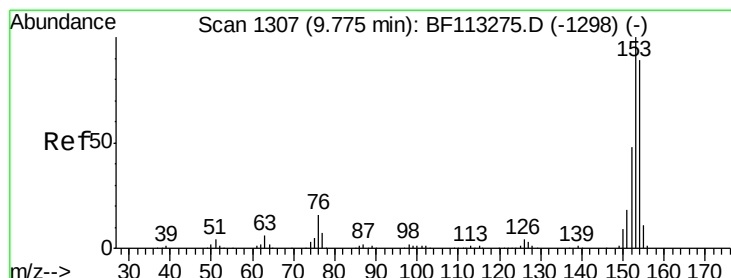
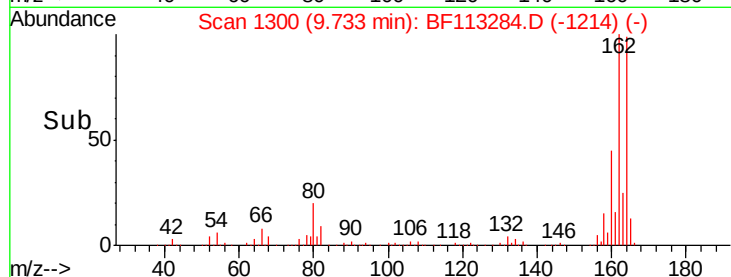
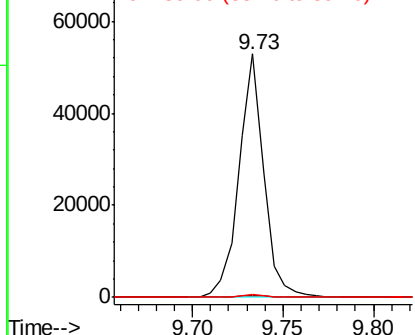
#51
2,6-Dinitrotoluene
Concen: 7.649 ng
RT: 9.73 min Scan# 1300
Delta R.T. 0.21 min
Lab File: BF113284.D
Acq: 25 Mar 2019 17:32

Instrument :
BNA_F
ClientSampleId :
PB118232BL

Tgt Ion:165 Resp: 50374
Ion Ratio Lower Upper
165 100
63 0.9 43.4 65.0#
89 1.2 43.1 64.7#

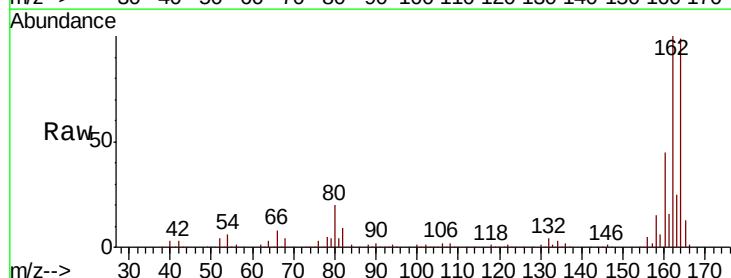


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

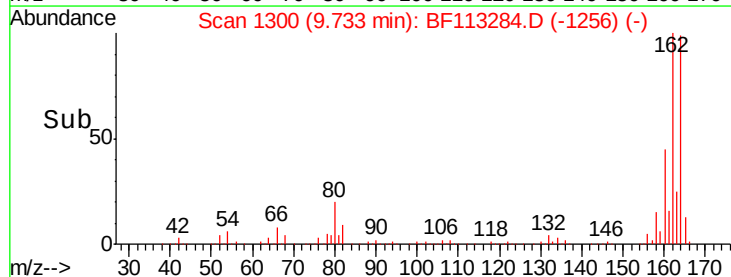
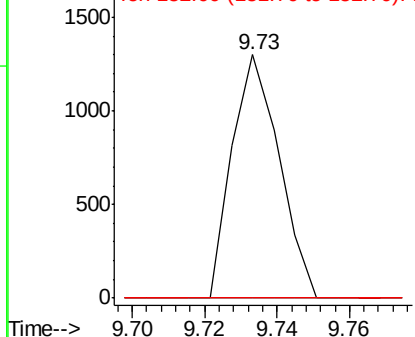


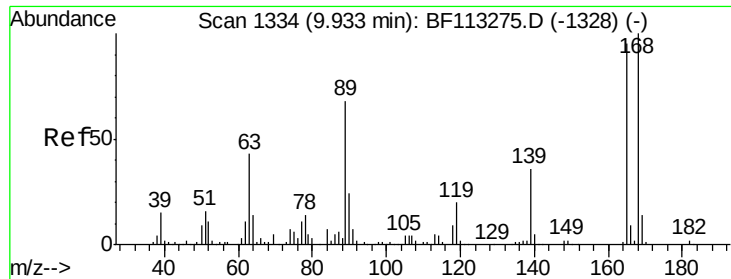
#52
Acenaphthene
Concen: 0.051 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.04 min
Lab File: BF113284.D
Acq: 25 Mar 2019 17:32

Tgt Ion:154 Resp: 1182
Ion Ratio Lower Upper
154 100
153 0.0 89.5 134.3#
152 0.0 43.3 64.9#



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

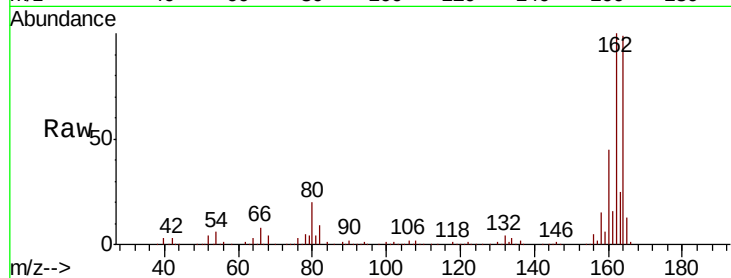




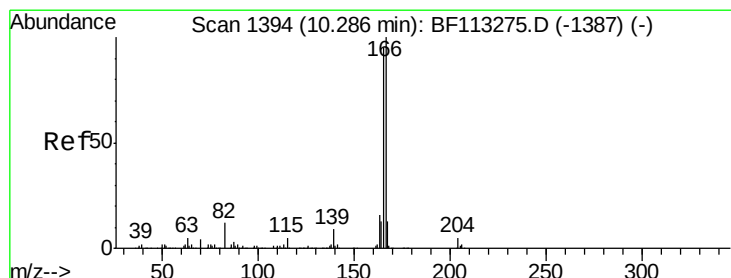
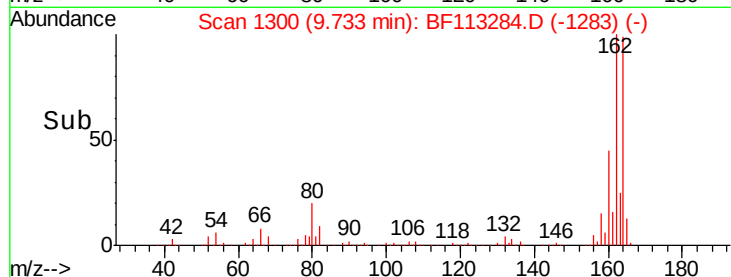
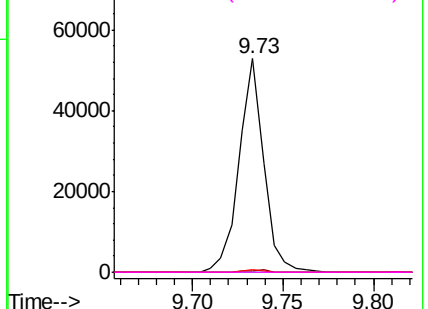
#57
 2,4-Dinitrotoluene
 Concen: 6.015 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.20 min
 Lab File: BF113284.D
 Acq: 25 Mar 2019 17:32

Instrument :
 BNA_F
 ClientSampleId :
 PB118232BL

Tgt Ion:	165	Resp:	50374
Ion	Ratio	Lower	Upper
165	100		
63	0.9	37.5	56.3#
89	1.2	57.4	86.2#
182	0.0	2.0	3.0#

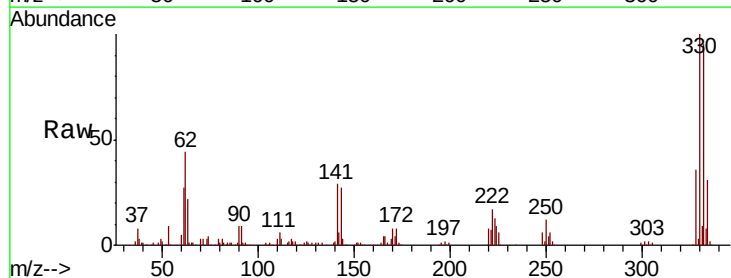


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

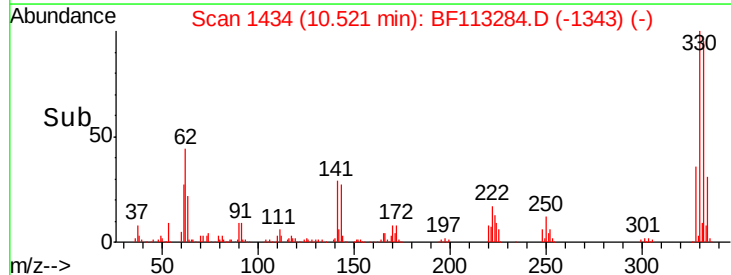
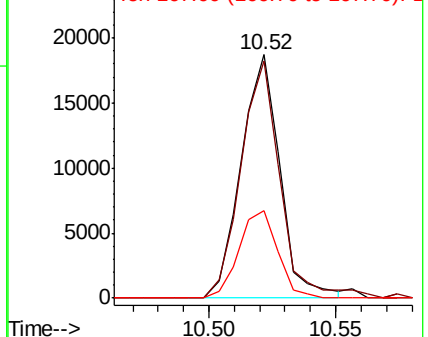


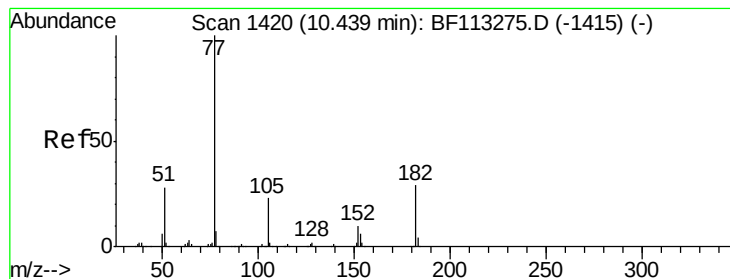
#58
 Fluorene
 Concen: 0.739 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.24 min
 Lab File: BF113284.D
 Acq: 25 Mar 2019 17:32

Tgt Ion:	166	Resp:	19895
Ion	Ratio	Lower	Upper
166	100		
165	97.4	76.2	114.2
167	36.1	10.7	16.1#



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





#63

Azobenzene

Concen: 0.059 ng

RT: 10.52 min Scan# 1434

Delta R.T. 0.08 min

Lab File: BF113284.D

Acq: 25 Mar 2019 17:32

Instrument :

BNA_F

ClientSampleId :

PB118232BL

Tgt Ion: 77 Resp: 1603

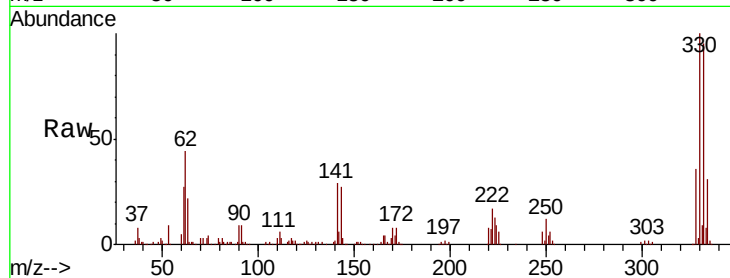
Ion Ratio Lower Upper

77 100

182 0.0 8.7 48.7#

105 94.4 2.9 42.9#

51 94.8 8.8 48.8#

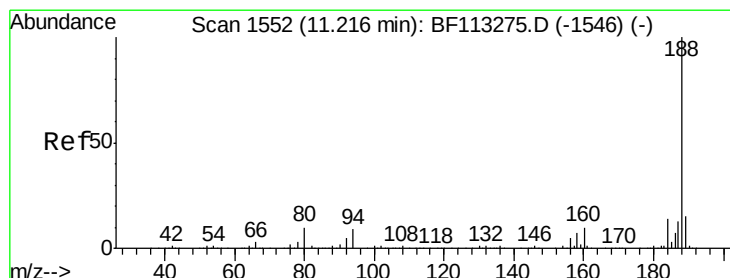
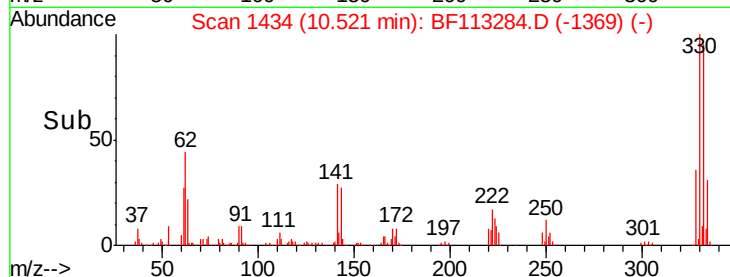
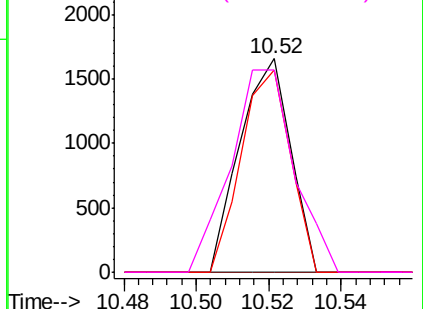


Abundance Ion 77.00 (76.70 to 77.70): BF1

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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.21 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BF113284.D

Acq: 25 Mar 2019 17:32

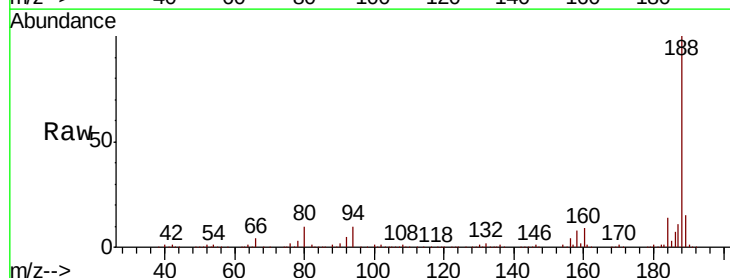
Tgt Ion: 188 Resp: 826131

Ion Ratio Lower Upper

188 100

94 9.9 7.0 10.6

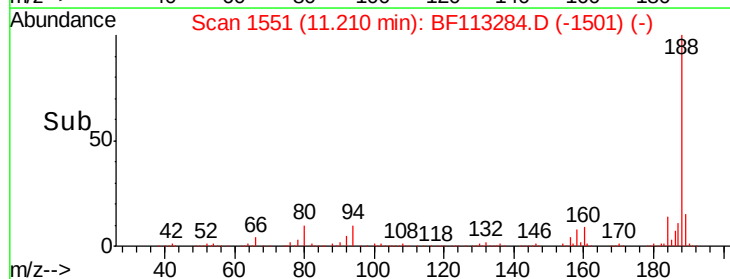
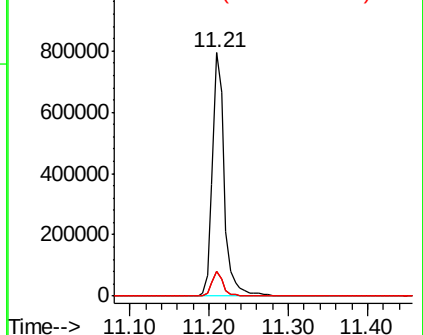
80 10.4 7.7 11.5

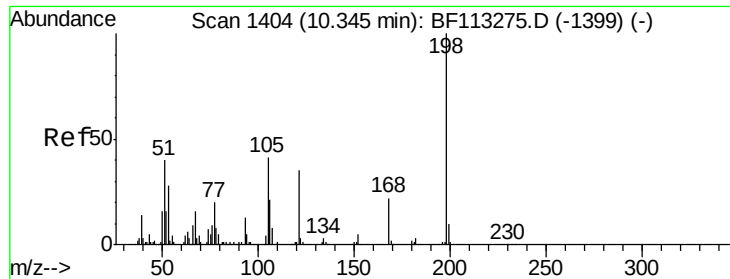


Abundance Ion 188.00 (187.70 to 188.70): E

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: 0.192 ng

RT: 10.52 min Scan# 1434

Delta R.T. 0.18 min

Lab File: BF113284.D

Acq: 25 Mar 2019 17:32

Instrument :

BNA_F

ClientSampleId :

PB118232BL

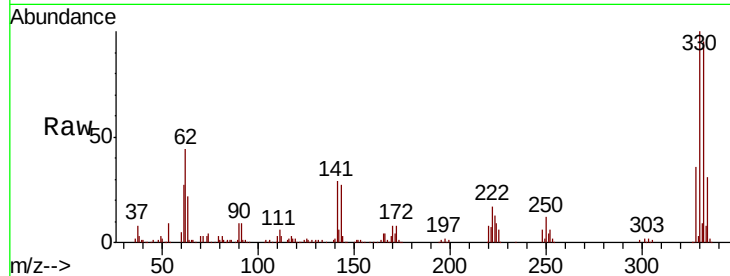
Tgt Ion:198 Resp: 869

Ion Ratio Lower Upper

198 100

51 167.7 21.6 61.6#

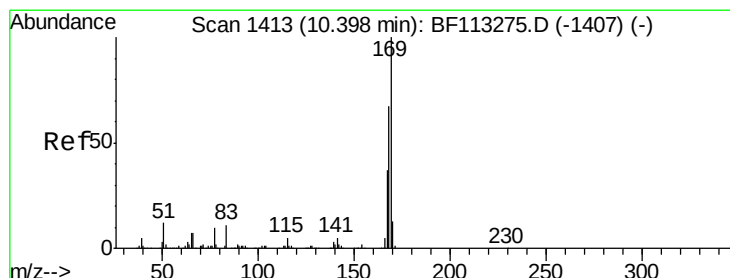
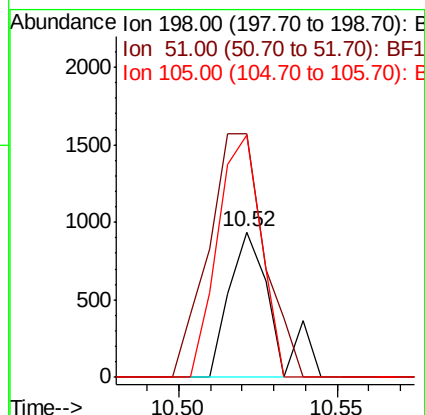
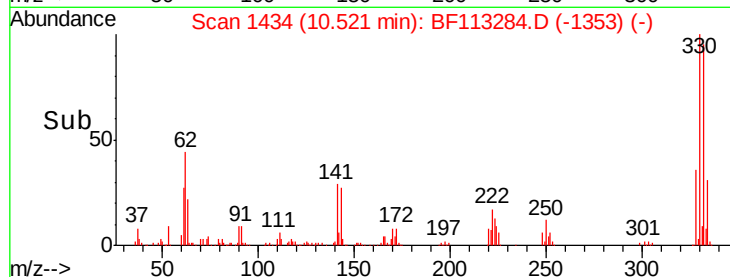
105 167.0 20.6 60.6#



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: 0.505 ng

RT: 10.52 min Scan# 1434

Delta R.T. 0.12 min

Lab File: BF113284.D

Acq: 25 Mar 2019 17:32

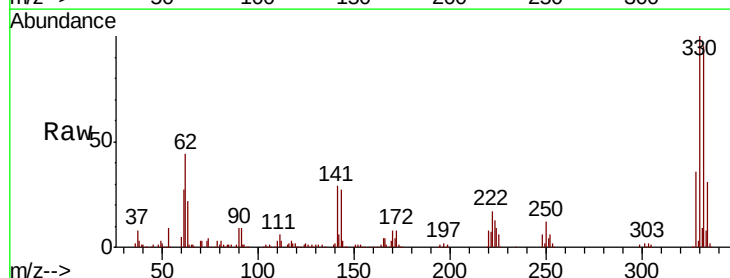
Tgt Ion:169 Resp: 12794

Ion Ratio Lower Upper

169 100

168 8.4 53.7 80.5#

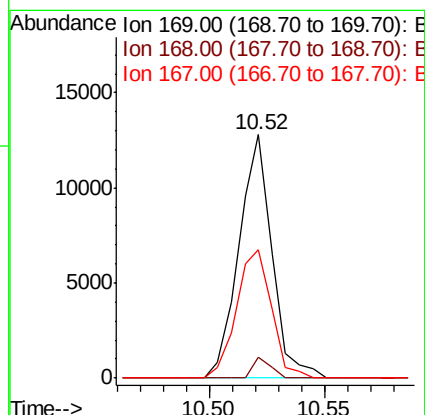
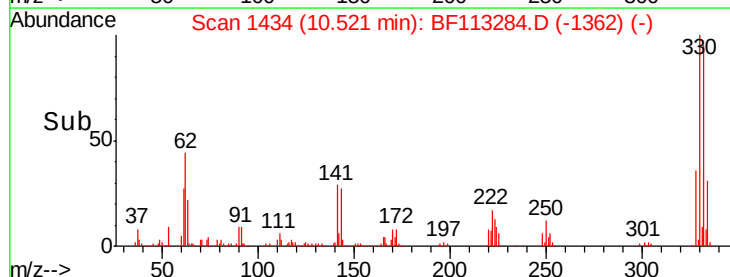
167 52.8 29.5 44.3#

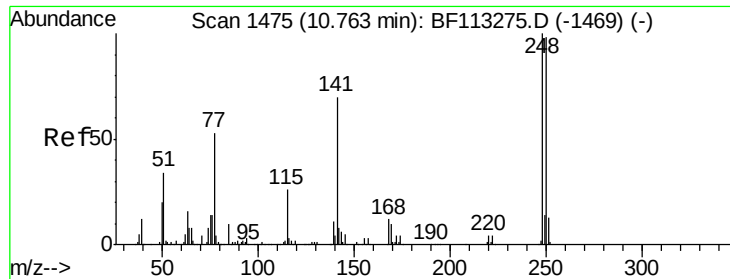


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

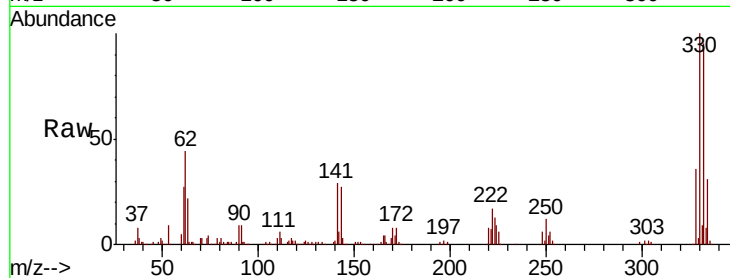




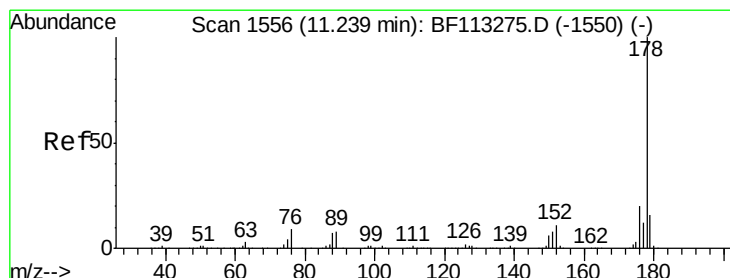
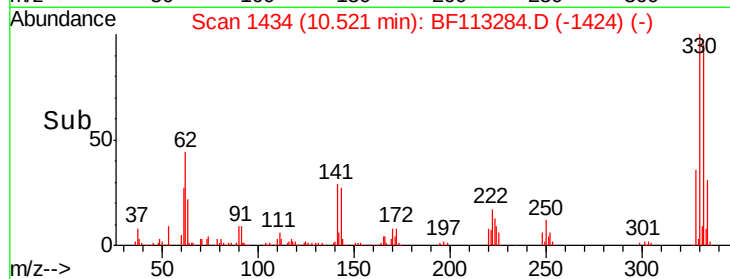
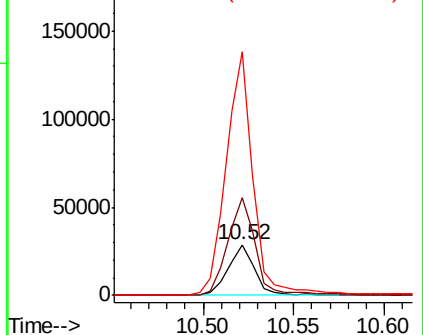
#67
 4-Bromophenyl-phenylether
 Concen: 3.239 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.24 min
 Lab File: BF113284.D
 Acq: 25 Mar 2019 17:32

Instrument :
 BNA_F
 ClientSampleId :
 PB118232BL

Tgt Ion:248 Resp: 29162
 Ion Ratio Lower Upper
 248 100
 250 192.7 78.3 117.5#
 141 480.8 56.2 84.4#

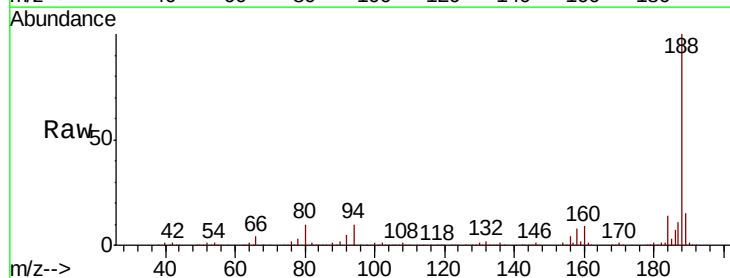


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

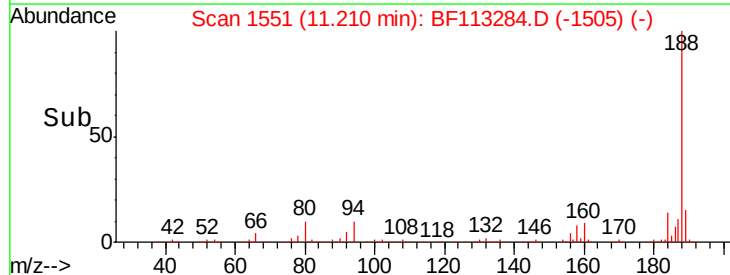
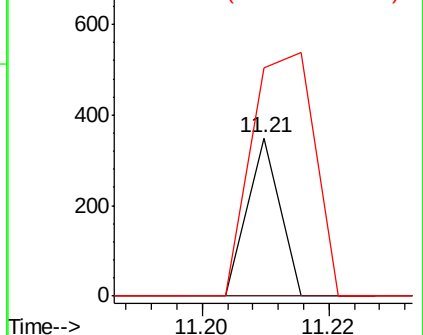


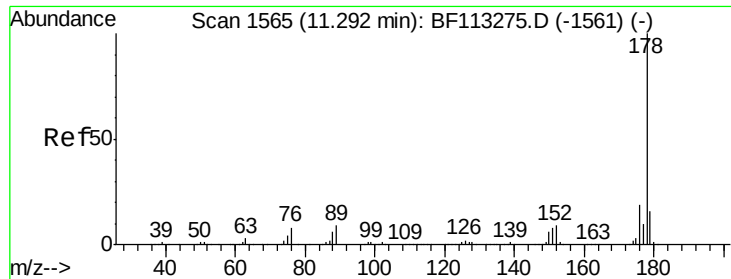
#71
 Phenanthrene
 Concen: 0.003 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.03 min
 Lab File: BF113284.D
 Acq: 25 Mar 2019 17:32

Tgt Ion:178 Resp: 124
 Ion Ratio Lower Upper
 178 100
 176 0.0 16.2 24.2#
 179 143.7 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: 0.003 ng

RT: 11.21 min Scan# 1551

Delta R.T. -0.08 min

Lab File: BF113284.D

Acq: 25 Mar 2019 17:32

Instrument :

BNA_F

ClientSampleId :

PB118232BL

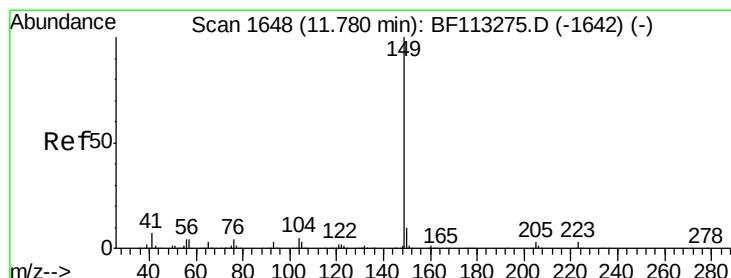
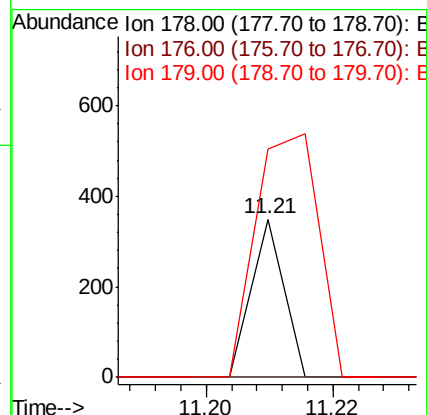
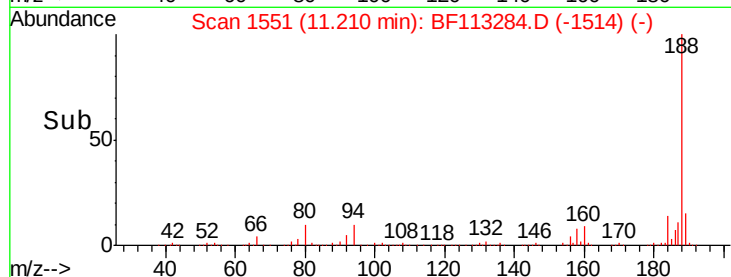
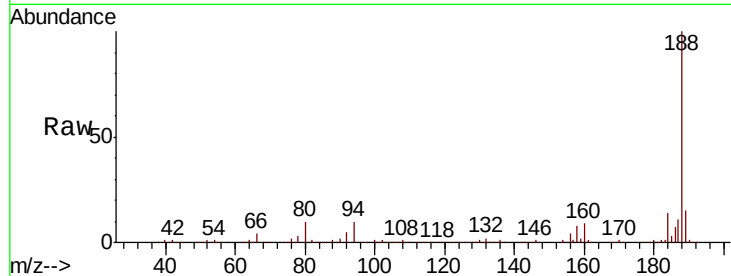
Tgt Ion:178 Resp: 124

Ion Ratio Lower Upper

178 100

176 0.0 15.4 23.2#

179 143.7 12.8 19.2#



#74

Di-n-butylphthalate

Concen: 0.008 ng

RT: 11.78 min Scan# 1648

Delta R.T. -0.00 min

Lab File: BF113284.D

Acq: 25 Mar 2019 17:32

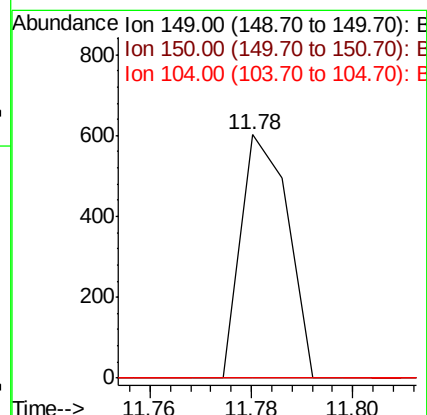
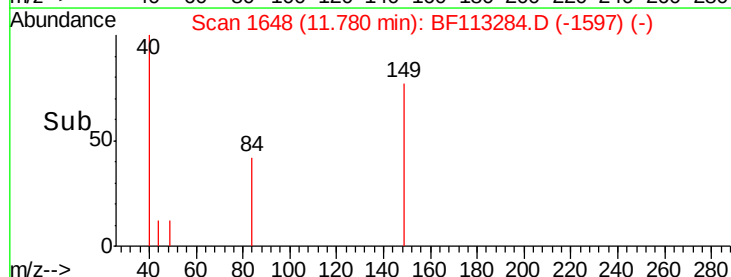
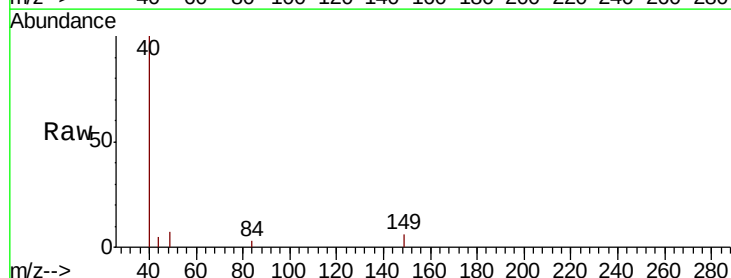
Tgt Ion:149 Resp: 387

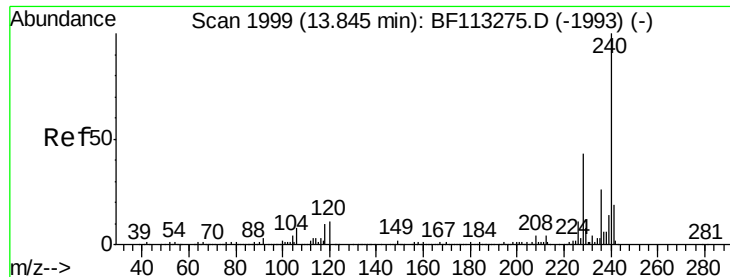
Ion Ratio Lower Upper

149 100

150 0.0 7.7 11.5#

104 0.0 3.7 5.5#

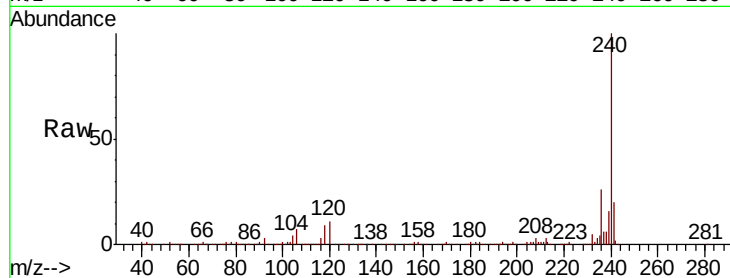




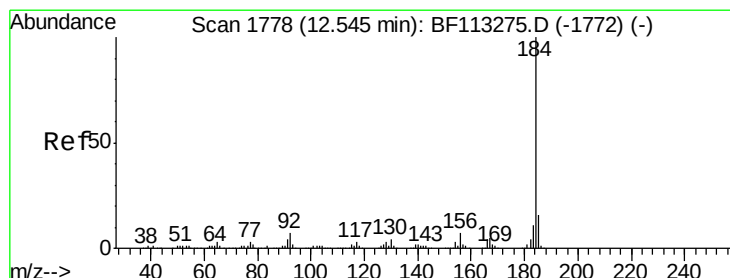
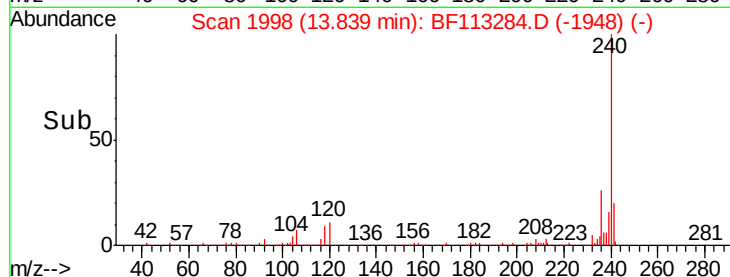
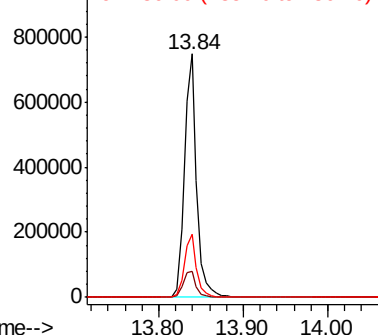
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF113284.D
Acq: 25 Mar 2019 17:32

Instrument :
BNA_F
ClientSampleId :
PB118232BL

Tgt Ion:240 Resp: 761013
Ion Ratio Lower Upper
240 100
120 10.8 8.8 13.2
236 26.0 20.9 31.3

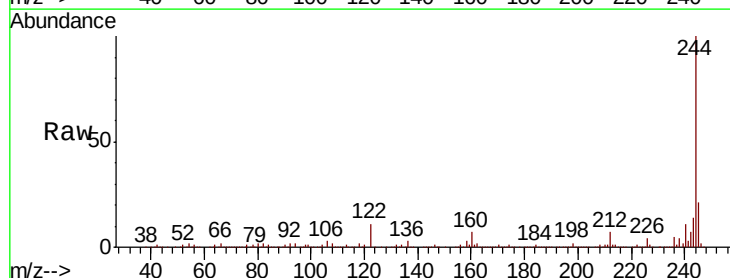


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

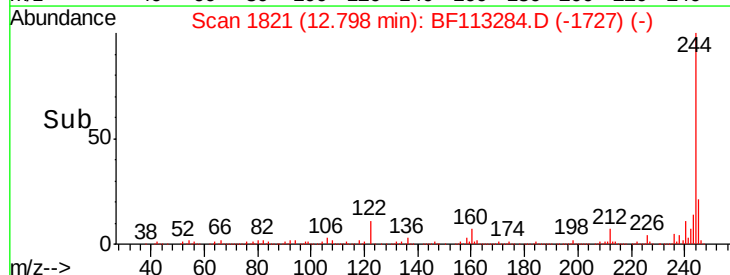
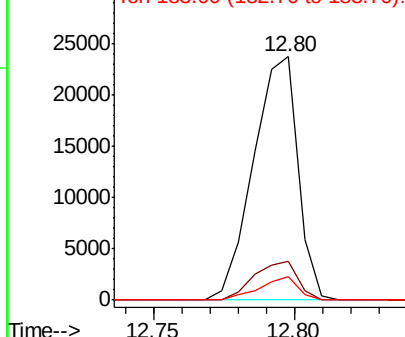


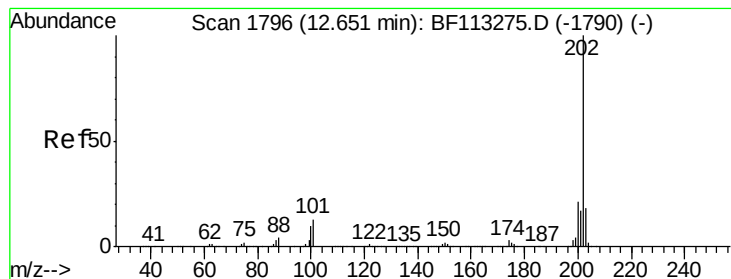
#77
Benzidine
Concen: 0.893 ng
RT: 12.80 min Scan# 1821
Delta R.T. 0.25 min
Lab File: BF113284.D
Acq: 25 Mar 2019 17:32

Tgt Ion:184 Resp: 26030
Ion Ratio Lower Upper
184 100
185 16.1 13.0 19.6
183 9.6 9.0 13.4



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





#78

Pyrene

Concen: 0.124 ng

RT: 12.80 min Scan# 1821

Delta R.T. 0.15 min

Lab File: BF113284.D

Acq: 25 Mar 2019 17:32

Instrument :

BNA_F

ClientSampleId :

PB118232BL

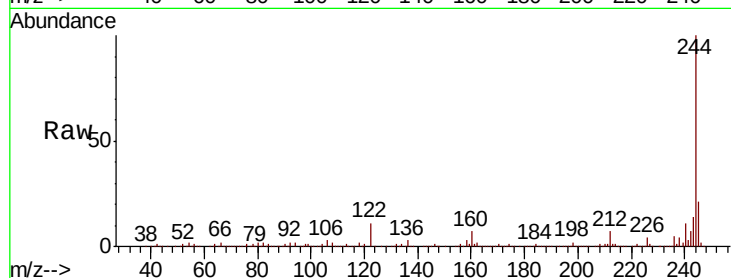
Tgt Ion:202 Resp: 6523

Ion Ratio Lower Upper

202 100

200 44.2 16.8 25.2#

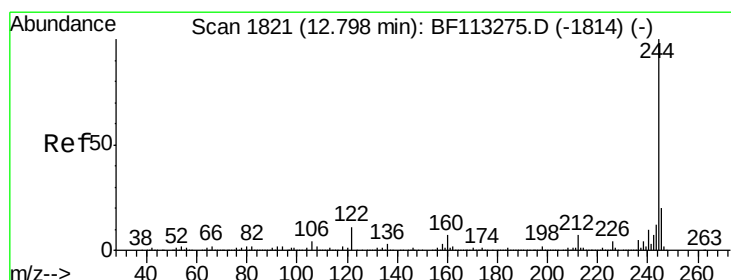
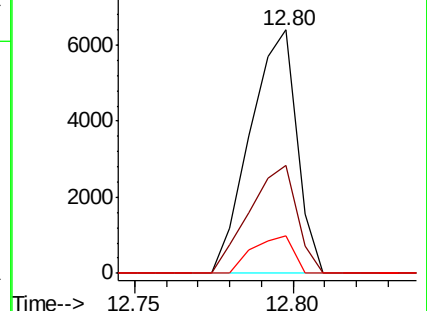
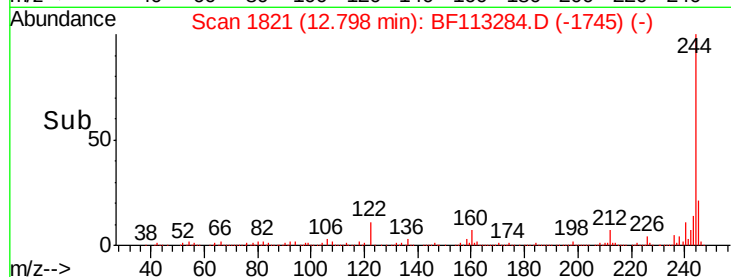
203 15.2 14.4 21.6



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: 61.873 ng

RT: 12.80 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BF113284.D

Acq: 25 Mar 2019 17:32

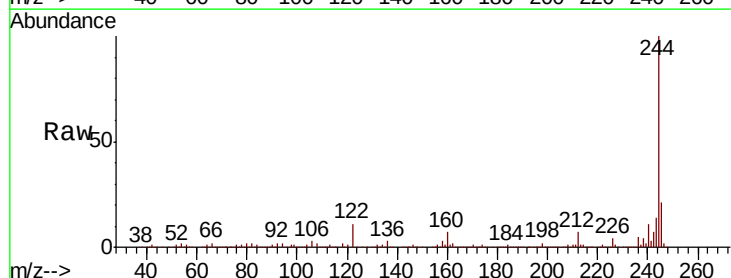
Tgt Ion:244 Resp: 2136219

Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

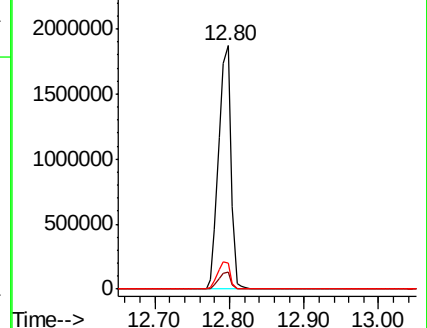
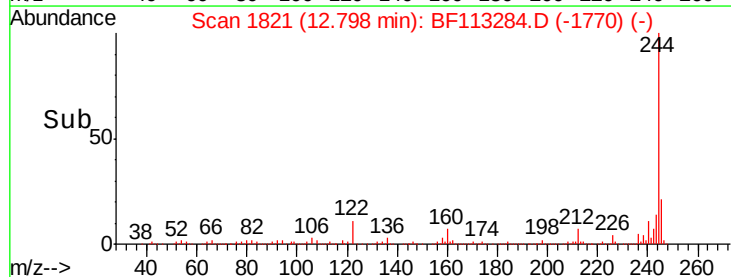
122 10.6 8.6 13.0

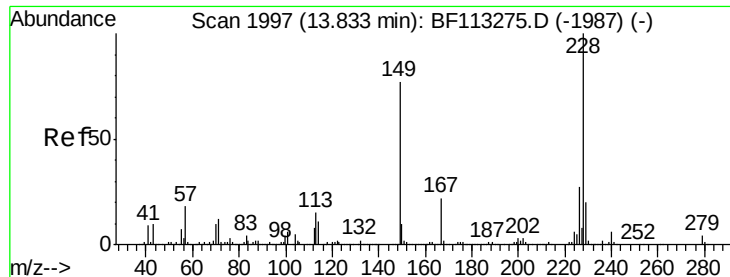


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 0.041 ng

RT: 13.84 min Scan# 1998

Delta R.T. 0.01 min

Lab File: BF113284.D

Acq: 25 Mar 2019 17:32

Instrument :

BNA_F

ClientSampleId :

PB118232BL

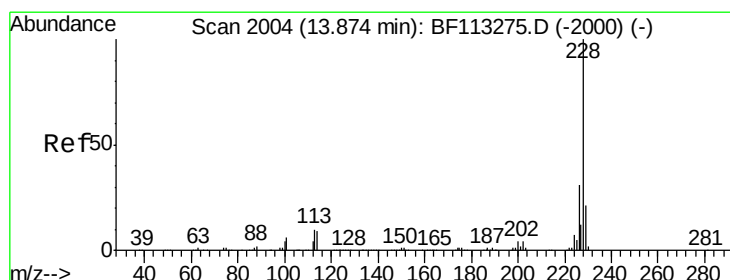
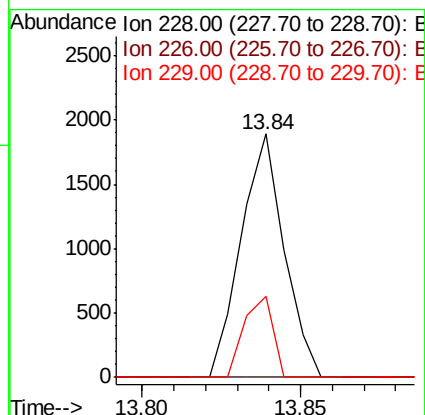
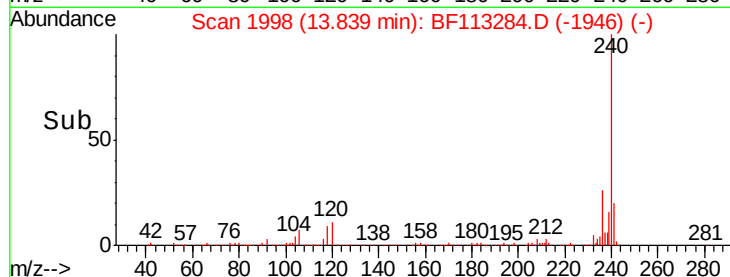
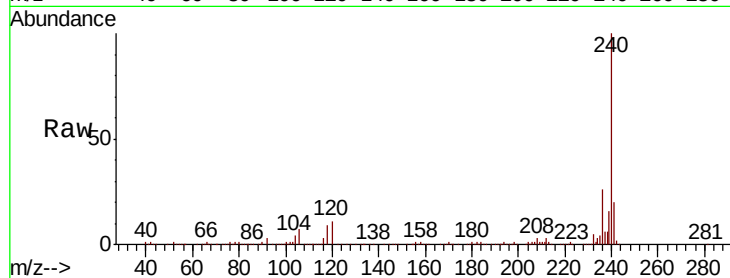
Tgt Ion:228 Resp: 1783

Ion Ratio Lower Upper

228 100

226 0.0 21.8 32.8#

229 33.0 16.2 24.4#



#83

Chrysene

Concen: 0.040 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.04 min

Lab File: BF113284.D

Acq: 25 Mar 2019 17:32

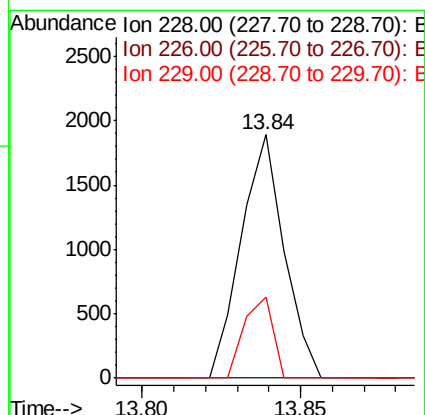
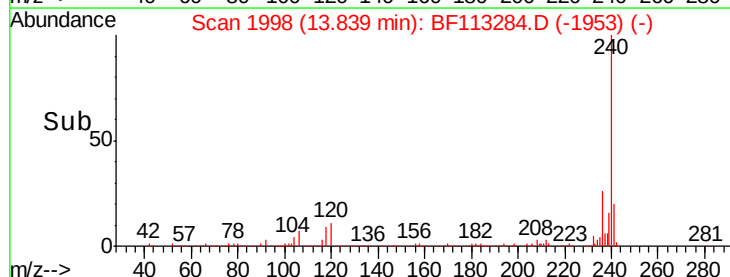
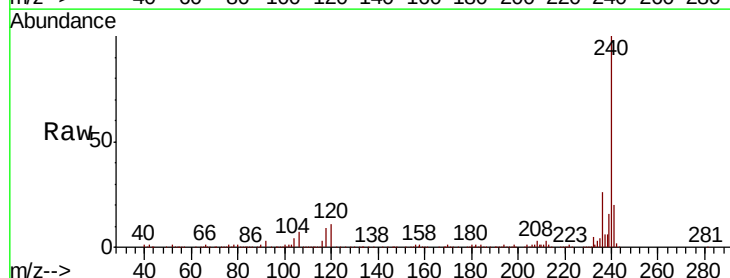
Tgt Ion:228 Resp: 1783

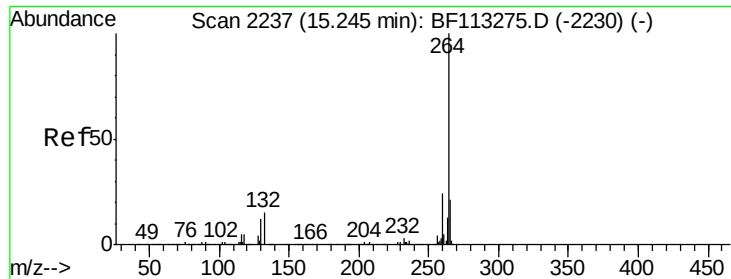
Ion Ratio Lower Upper

228 100

226 0.0 24.3 36.5#

229 33.0 16.3 24.5#





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.01 min

Lab File: BF113284.D

Acq: 25 Mar 2019 17:32

Instrument :

BNA_F

ClientSampleId :

PB118232BL

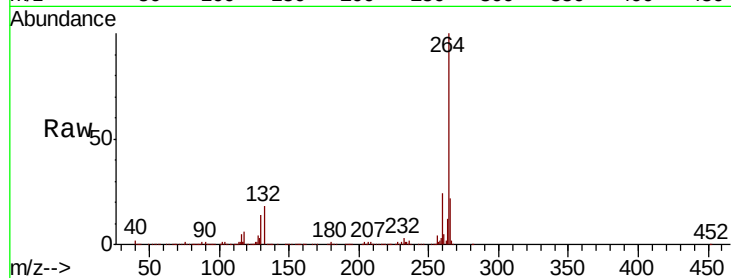
Tgt Ion:264 Resp: 714805

Ion Ratio Lower Upper

264 100

260 23.9 19.1 28.7

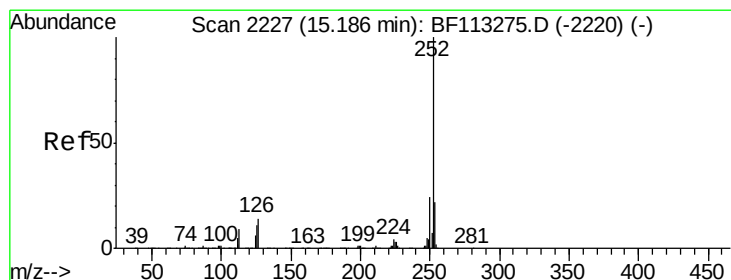
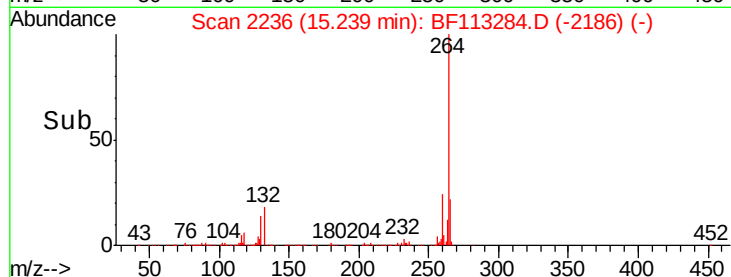
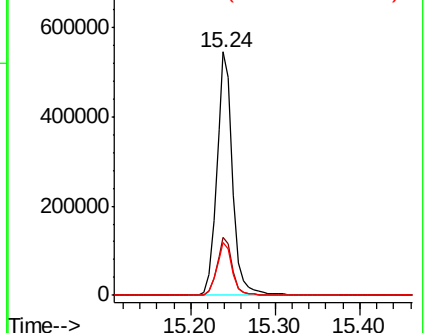
265 21.7 17.1 25.7



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



#90

Benzo(a)pyrene

Concen: 0.052 ng

RT: 15.24 min Scan# 2236

Delta R.T. 0.05 min

Lab File: BF113284.D

Acq: 25 Mar 2019 17:32

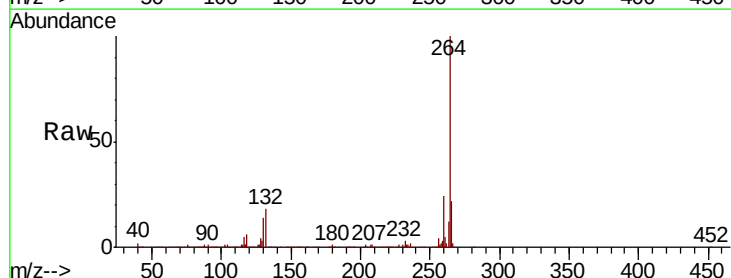
Tgt Ion:252 Resp: 2041

Ion Ratio Lower Upper

252 100

253 36.6 17.9 26.9#

125 23.6 8.8 13.2#



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

