

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
 Data File : BF100981.D
 Acq On : 29 Nov 2017 16:44
 Operator : SJ/JU
 Sample : I6612-01 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 29 23:41:17 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 15:21:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	64481	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	257786	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	114478	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	181349	20.00	ng	0.00
75) Chrysene-d12	14.04	240	114663	20.00	ng	0.01
86) Perylene-d12	15.51	264	118624	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	207116	51.49	ng	0.00
7) Phenol-d6	6.48	99	254791	51.37	ng	-0.01
23) Nitrobenzene-d5	7.42	82	152408	39.09	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	60589	51.94	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	311705	41.46	ng	0.00
78) Terphenyl-d14	12.96	244	210492	42.18	ng	0.00

Target Compounds

						Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	19794	5.754	ng	# 81
25) Isophorone	7.42	82	152405	18.600	ng	# 64
31) Naphthalene	8.16	128	234833	18.913	ng	# 98
32) Benzoic acid	7.92	122	447	9.499	ng	# 26
33) 4-Chloroaniline	8.16	127	30501	5.902	ng	# 32
35) Caprolactam	8.85	113	2829	2.351	ng	# 1
37) 2-Methylnaphthalene	8.85	142	147907	17.943	ng	# 99
45) 1,1'-Biphenyl	9.31	154	44297	4.474	ng	# 97
47) 2-Nitroaniline	9.40	65	194	2.870	ng	# 2
48) Acenaphthylene	9.75	152	172472	14.489	ng	# 98
51) Acenaphthene	9.92	154	125739	17.368	ng	# 98
53) 2,4-Dinitrophenol	10.21	184	107	8.010	ng	# 1
54) Dibenzofuran	10.10	168	231149	22.780	ng	# 97
55) 4-Nitrophenol	10.09	139	86426	52.098	ng	# 10
57) Fluorene	10.45	166	392370	52.786	ng	# 99
61) 4-Nitroaniline	10.44	138	4171	2.153	ng	# 25
62) Azobenzene	10.60	77	17353	2.106	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.75	198	248	8.792	ng	# 29
66) 4-Bromophenyl-phenylether	10.68	248	4127	2.123	ng	# 1
70) Phenanthrene	11.43	178	2346956	245.799	ng	# 99
71) Anthracene	11.46	178	580343	59.908	ng	# 99
72) Carbazole	11.61	167	217872	24.375	ng	# 99
74) Fluoranthene	12.62	202	2409947	238.152	ng	# 98
77) Pyrene	12.85	202	2127370	260.273	ng	# 100
80) Benzo(a)anthracene	14.03	228	1152463	166.904	ng	# 97
82) Chrysene	14.07	228	995282	148.849	ng	# 98
85) Indeno(1,2,3-cd)pyrene	17.01	276	444858	82.253	ng	# 89
87) Benzo(b)fluoranthene	15.09	252	1473418	209.654	ng	# 98
88) Benzo(k)fluoranthene	15.09	252	1473418	221.890	ng	# 98
89) Benzo(a)pyrene	15.46	252	771609	123.845	ng	# 96
90) Dibenzo(a,h)anthracene	17.01	278	120502	23.650	ng	# 93
91) Benzo(a,h,i)perylene	17.46	276	422456	84.699	ng	# 91

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QLast Update : Tue Nov 28 15:21:02 2017
Response via : Initial Calibration

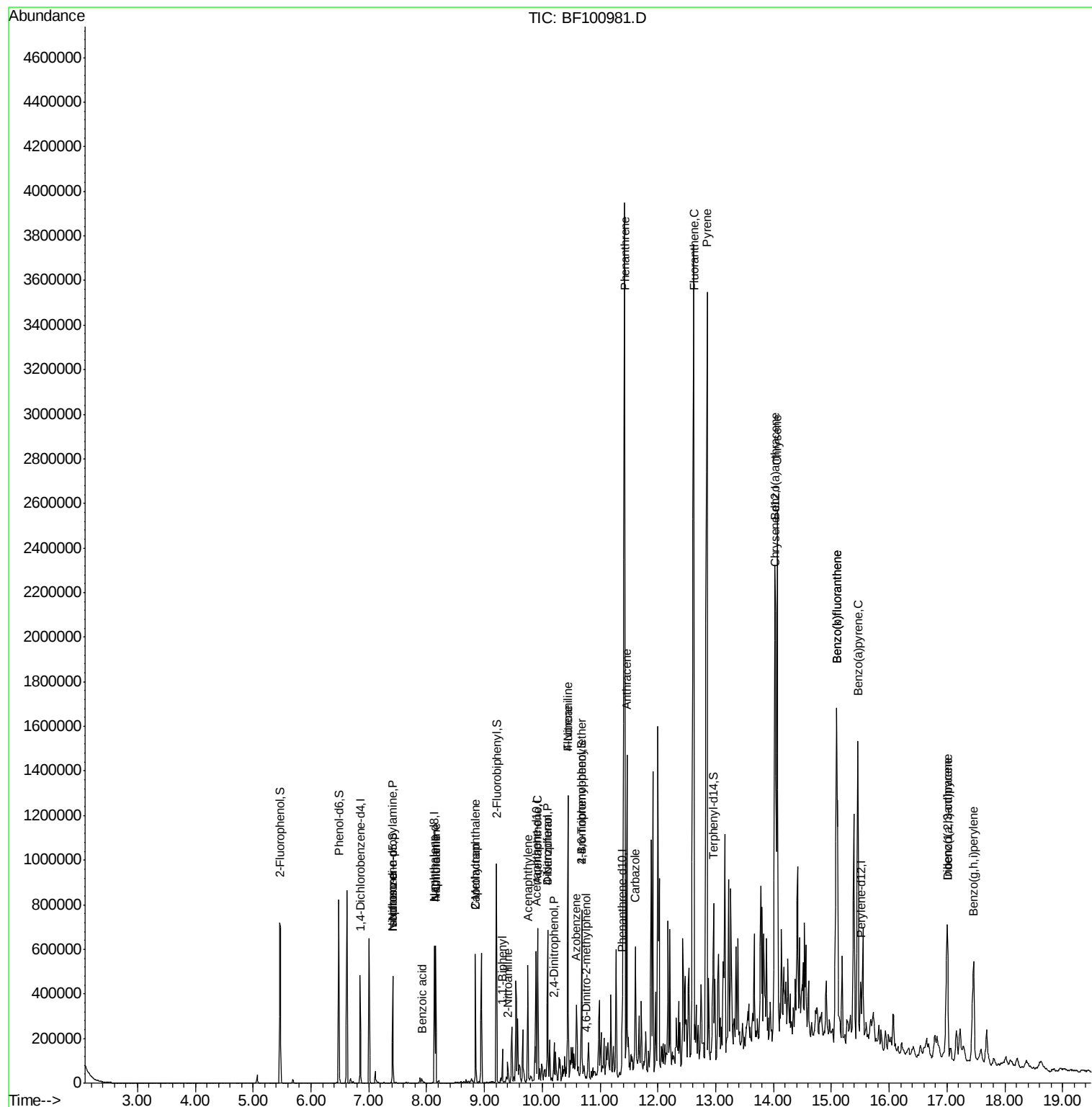
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

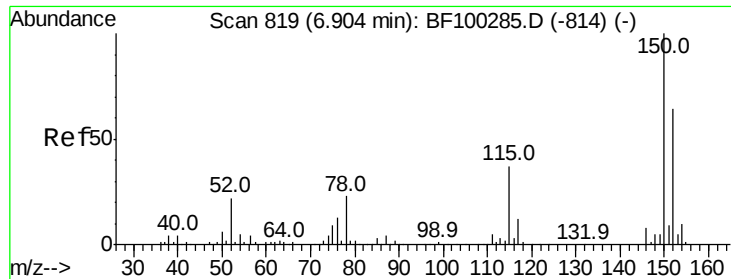
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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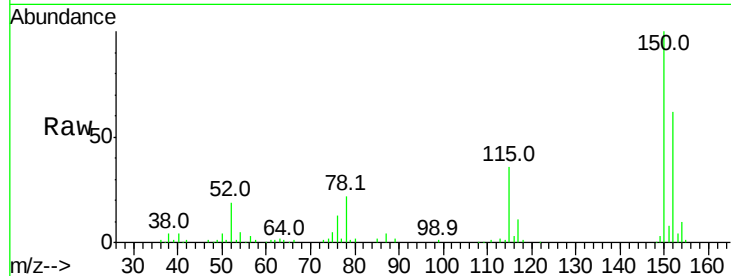


#1

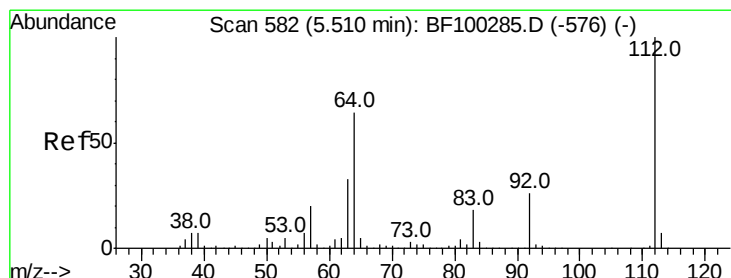
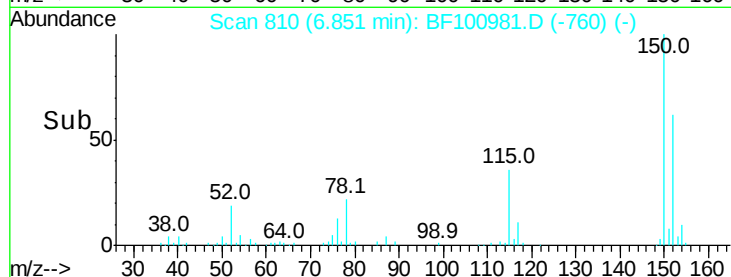
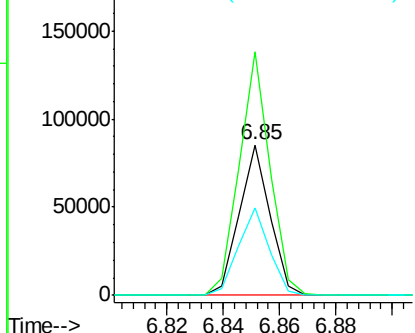
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF100981.D
Acq: 29 Nov 2017 16:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 64481
Ion Ratio Lower Upper
152 100
150 161.8 124.6 186.8
115 57.7 50.1 75.1



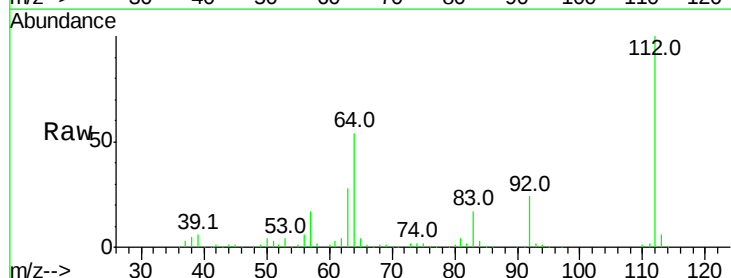
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



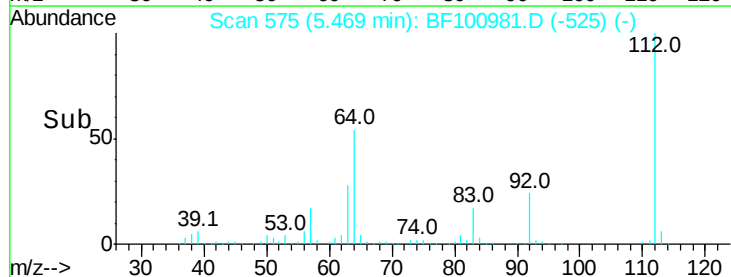
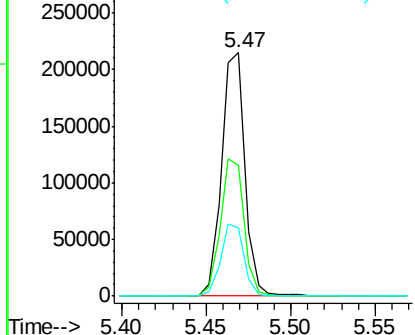
#5

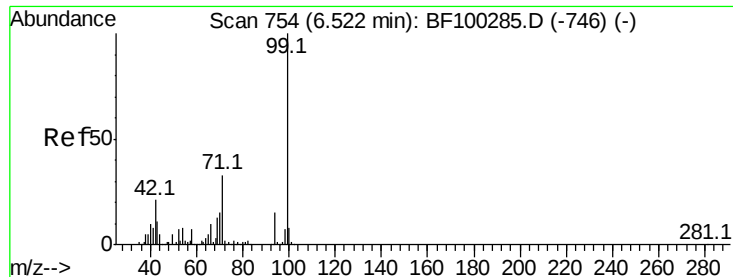
2-Fluorophenol
Concen: 51.489 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF100981.D
Acq: 29 Nov 2017 16:44

Tgt Ion:112 Resp: 207116
Ion Ratio Lower Upper
112 100
64 53.9 47.9 71.9
63 28.0 23.7 35.5



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





#7

Phenol-d6

Concen: 51.366 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF100981.D

Acq: 29 Nov 2017 16:44

Instrument :

BNA_F

ClientSampleId :

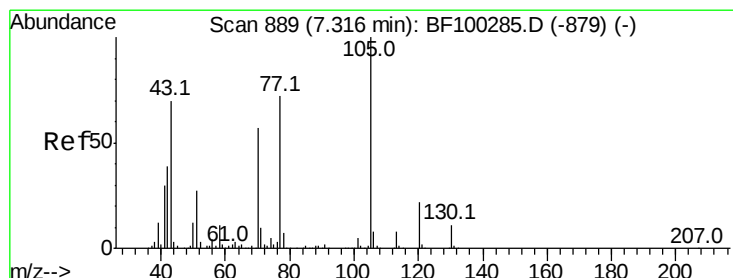
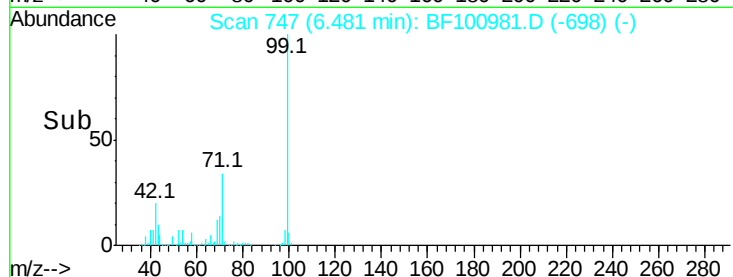
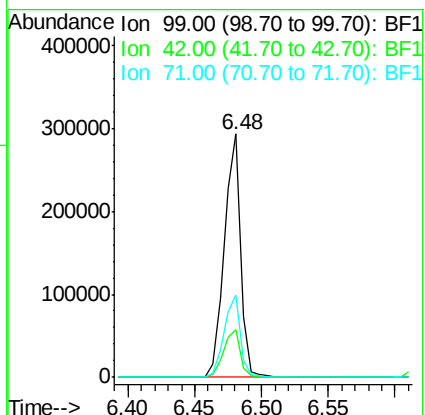
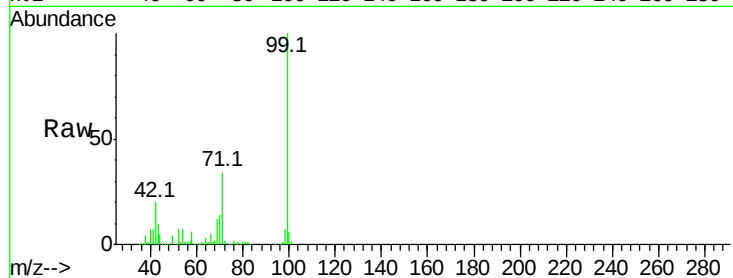
Tot Ion: 99 Resp: 254791

Ion Ratio Lower Upper

99 100

42 19.5 14.5 21.7

71 33.7 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 5.754 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF100981.D

Acq: 29 Nov 2017 16:44

Tgt Ion: 70 Resp: 19794

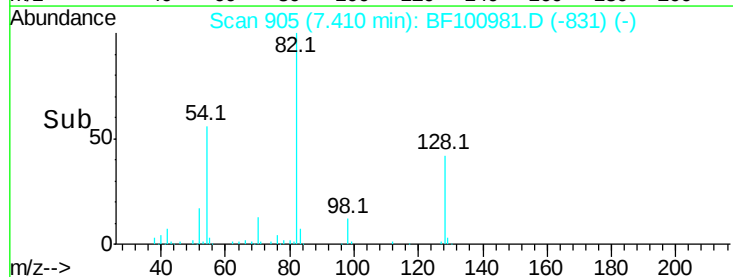
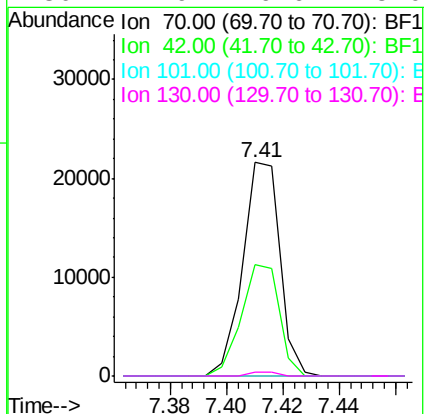
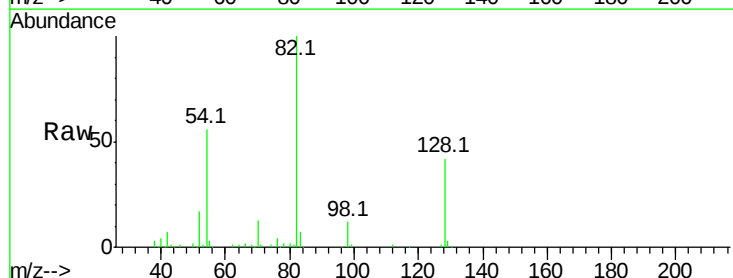
Ion Ratio Lower Upper

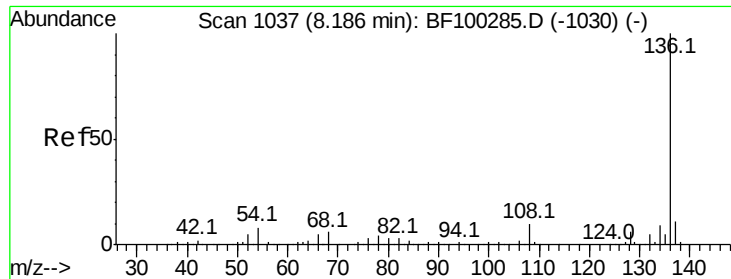
70 100

42 51.9 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

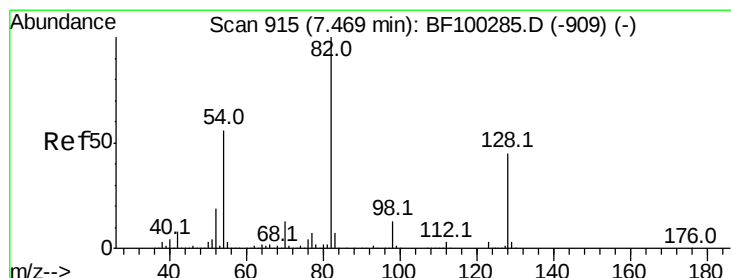
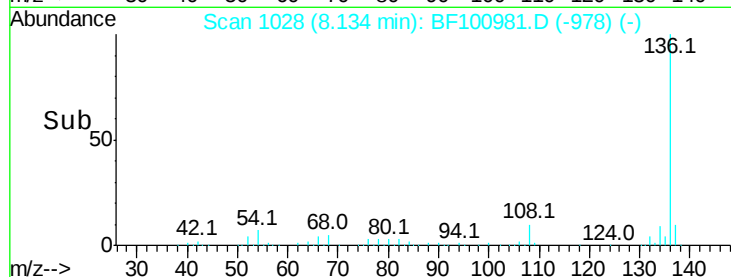
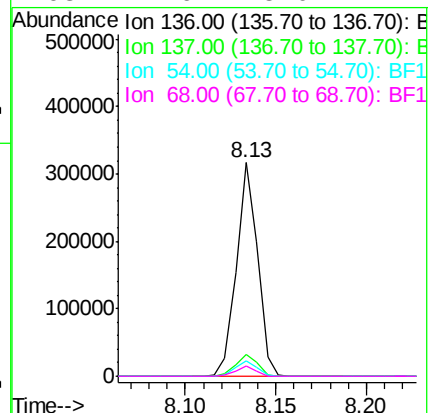
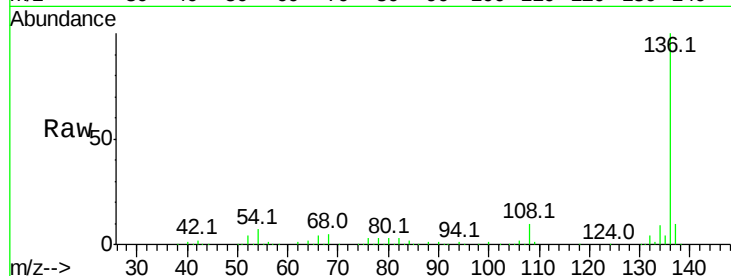




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF100981.D
Acq: 29 Nov 2017 16:44

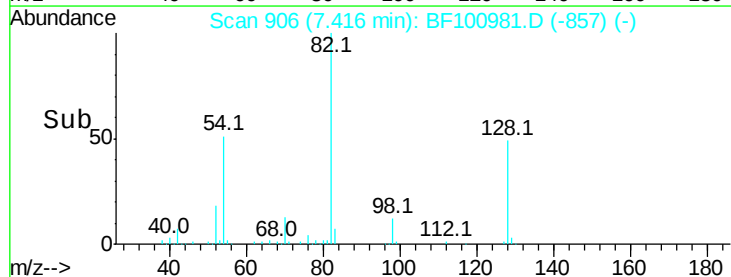
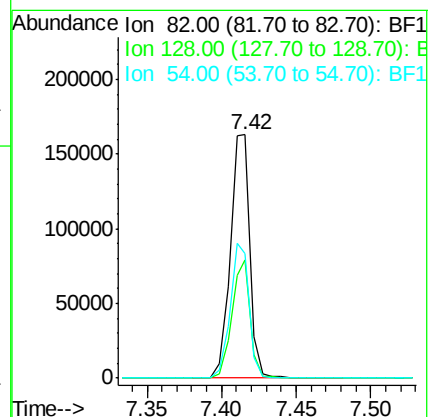
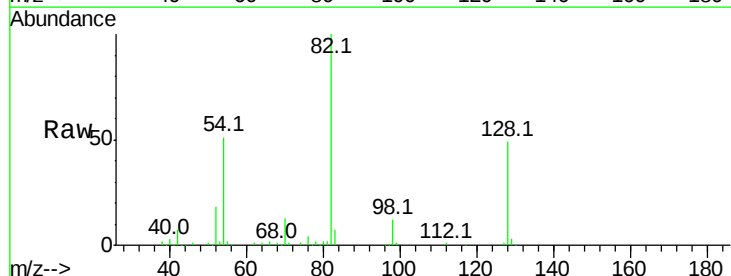
Instrument :
BNA_F
ClientSampled :

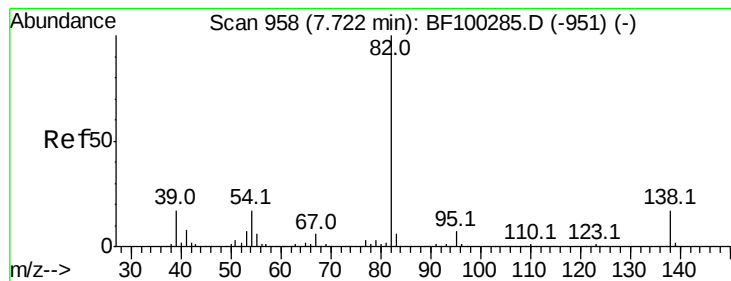
Tot Ion:	136	Resp:	257786
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	7.4	6.6	9.8
68	4.6	5.0	7.4#



#23
Nitrobenzene-d5
Concen: 39.087 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF100981.D
Acq: 29 Nov 2017 16:44

Tgt Ion:	82	Resp:	152408
Ion	Ratio	Lower	Upper
82	100		
128	48.6	36.1	54.1
54	51.0	41.4	62.2





#25

Isophorone

Concen: 18.600 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF100981.D

Acq: 29 Nov 2017 16:44

Instrument :

BNA_F

ClientSampleId :

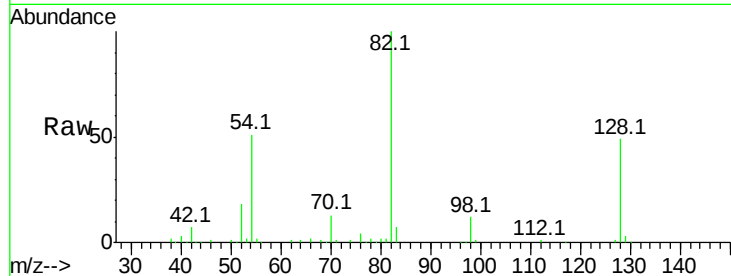
Tot Ion: 82 Resp: 152405

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

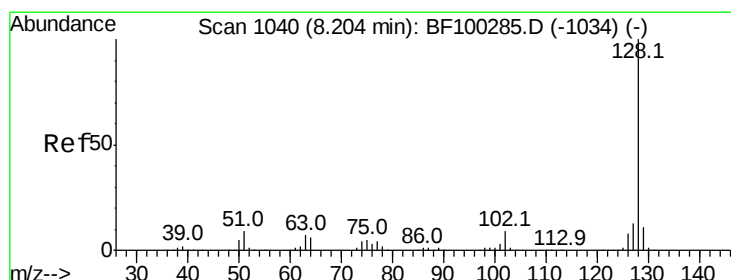
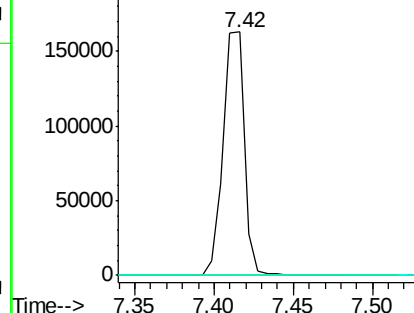
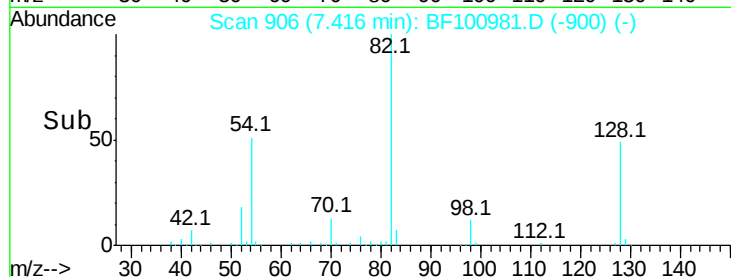
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 18.913 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF100981.D

Acq: 29 Nov 2017 16:44

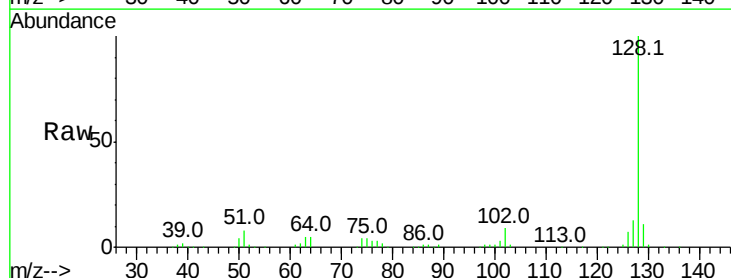
Tgt Ion: 128 Resp: 234833

Ion Ratio Lower Upper

128 100

129 10.6 8.8 13.2

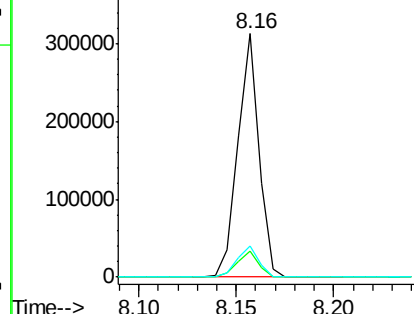
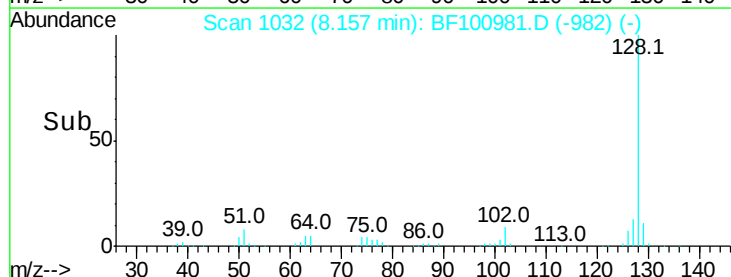
127 12.5 10.9 16.3

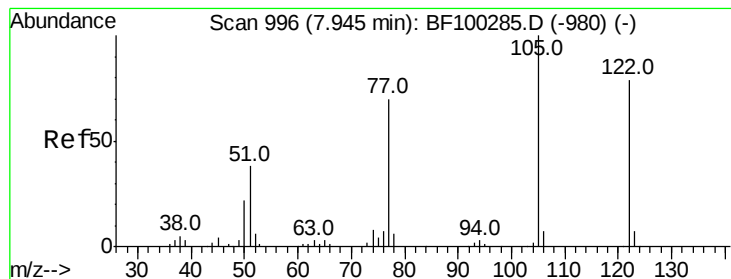


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 9.499 ng

RT: 7.92 min Scan# 991

Delta R.T. -0.01 min

Lab File: BF100981.D

Acq: 29 Nov 2017 16:44

Instrument :

BNA_F

ClientSampleId :

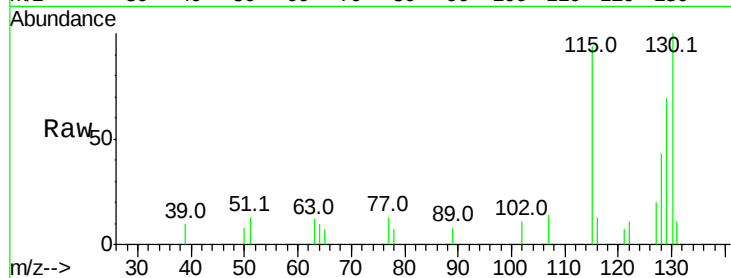
Tot Ion:122 Resp: 447

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

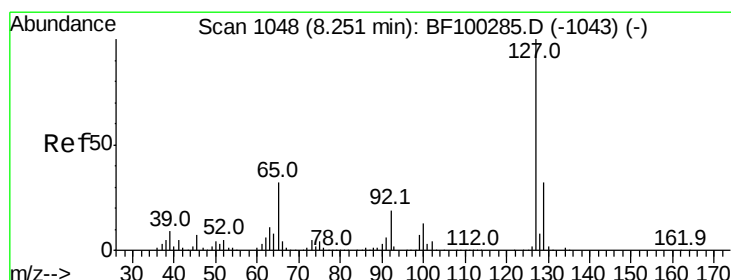
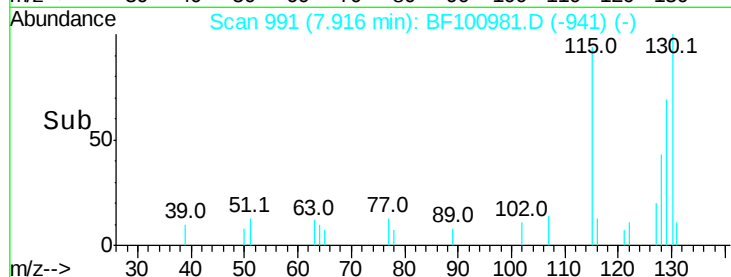
77 116.5 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#33

4-Chloroaniline

Concen: 5.902 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.05 min

Lab File: BF100981.D

Acq: 29 Nov 2017 16:44

Tgt Ion:127 Resp: 30501

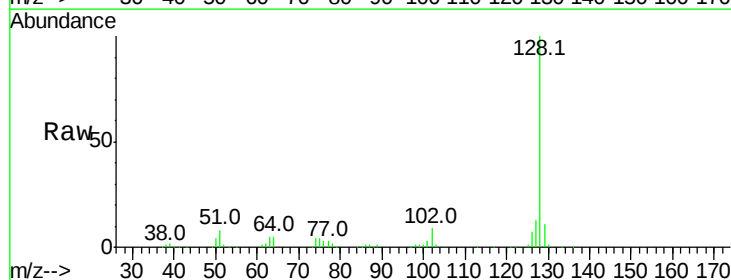
Ion Ratio Lower Upper

127 100

129 84.5 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

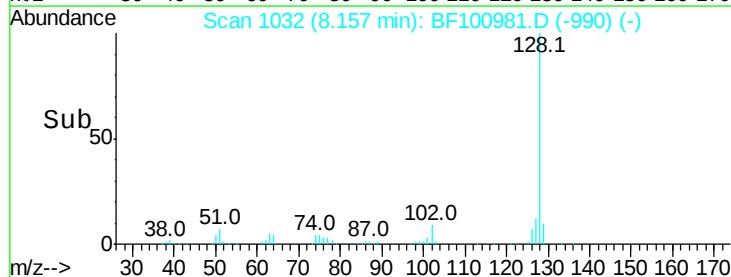


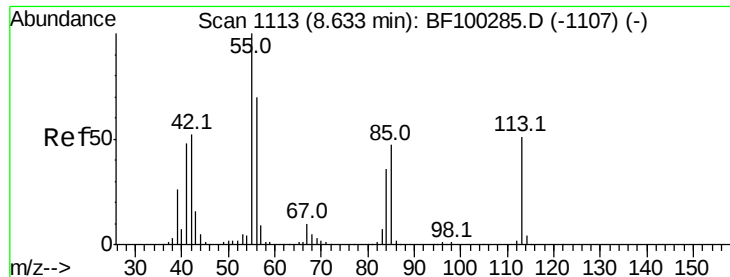
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1





#35

Caprolactam

Concen: 2.351 ng

RT: 8.85 min Scan# 1149

Delta R.T. 0.25 min

Lab File: BF100981.D

Acq: 29 Nov 2017 16:44

Instrument :

BNA_F

ClientSampled :

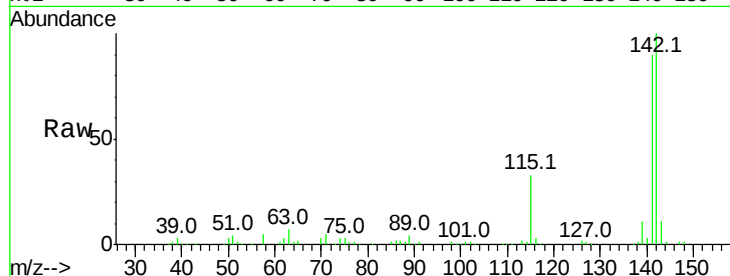
Tot Ion:113 Resp: 2829

Ion Ratio Lower Upper

113 100

55 17.7 163.3 203.3#

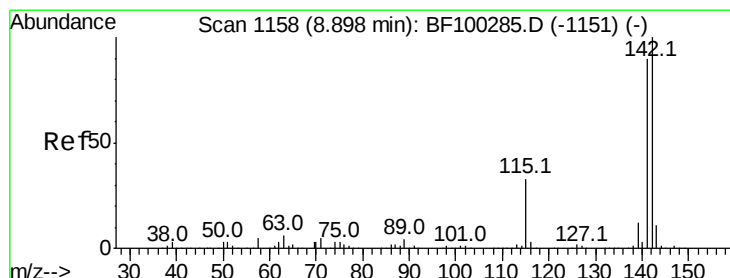
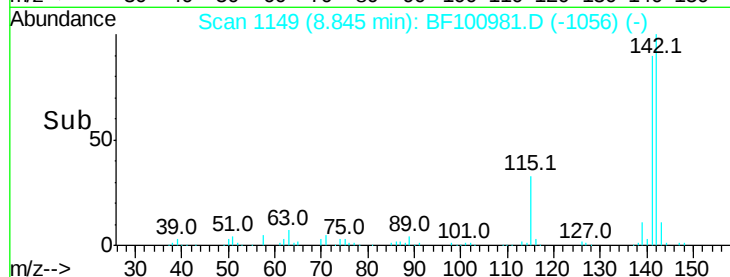
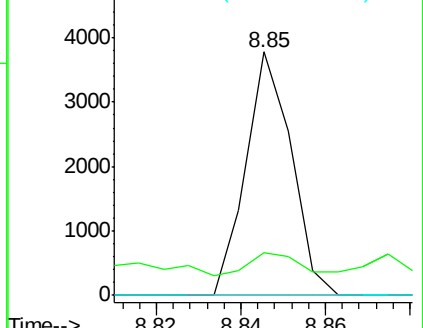
56 0.0 115.7 155.7#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#37

2-Methylnaphthalene

Concen: 17.943 ng

RT: 8.85 min Scan# 1149

Delta R.T. -0.01 min

Lab File: BF100981.D

Acq: 29 Nov 2017 16:44

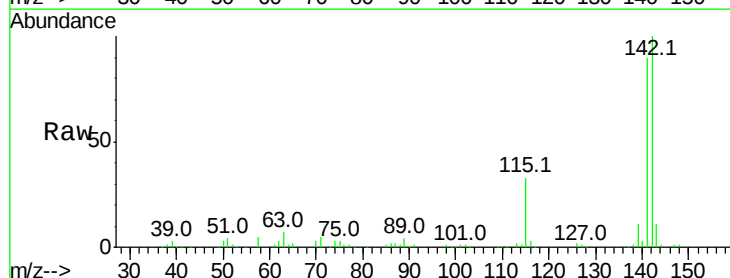
Tgt Ion:142 Resp: 147907

Ion Ratio Lower Upper

142 100

141 90.2 70.8 106.2

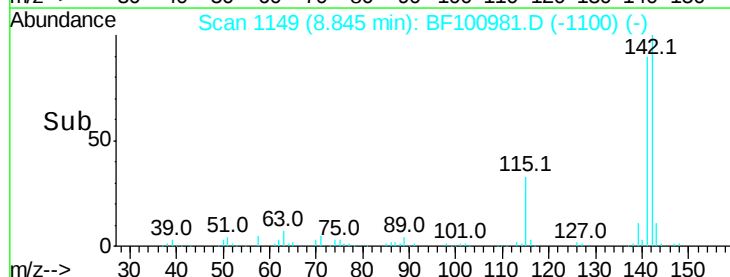
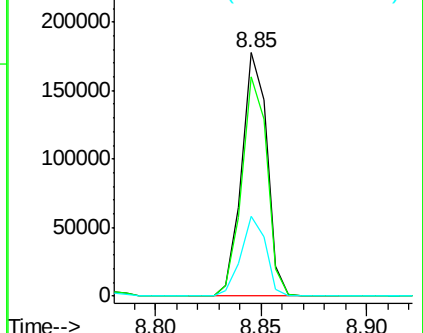
115 32.5 26.1 39.1

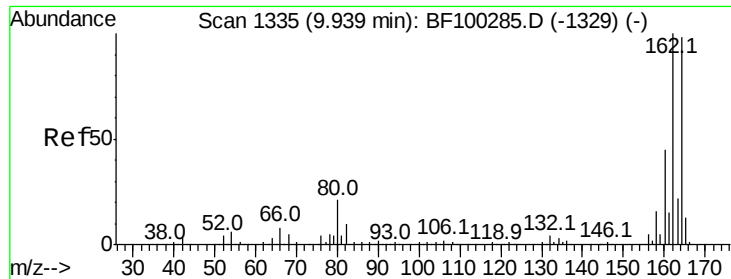


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

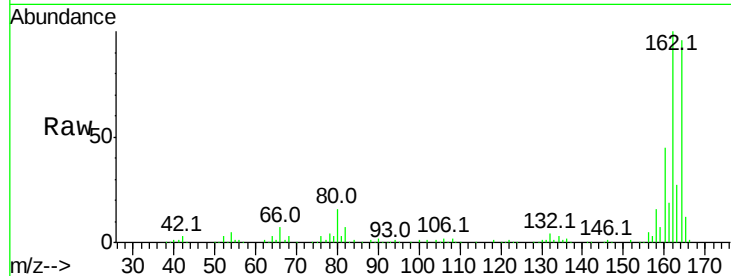




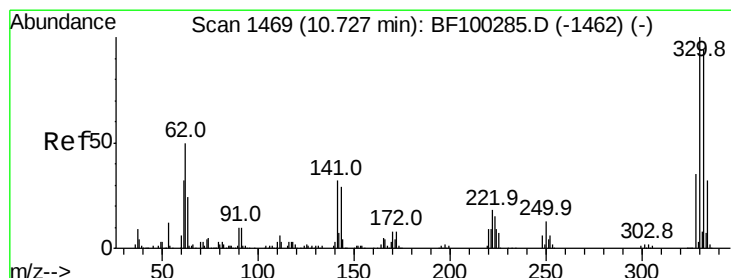
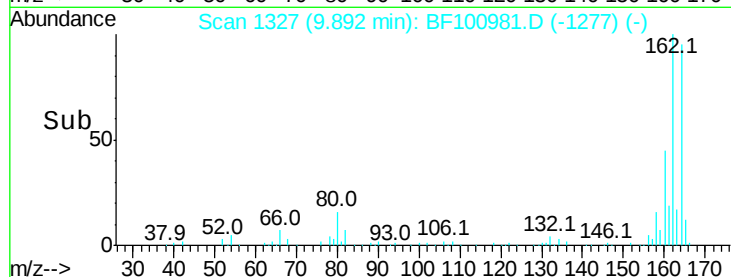
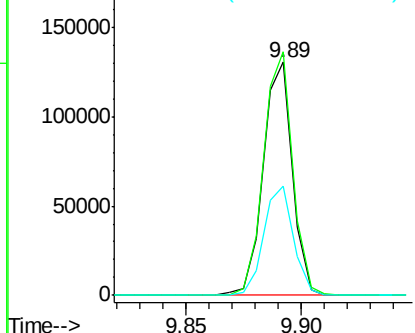
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF100981.D
Acq: 29 Nov 2017 16:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 114478
Ion Ratio Lower Upper
164 100
162 104.6 86.1 129.1
160 46.9 38.3 57.5

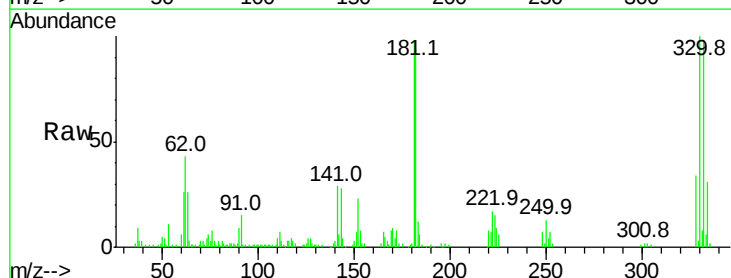


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

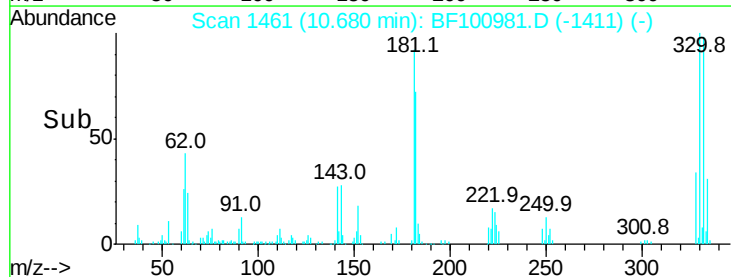
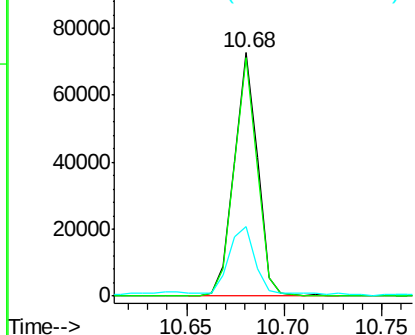


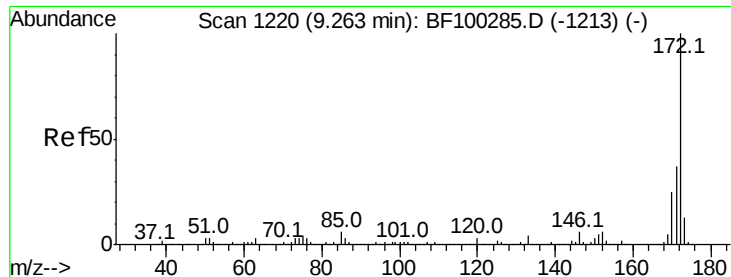
#41
2,4,6-Tribromophenol
Concen: 51.939 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF100981.D
Acq: 29 Nov 2017 16:44

Tgt Ion:330 Resp: 60589
Ion Ratio Lower Upper
330 100
332 95.8 77.0 115.6
141 36.6 29.9 44.9



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

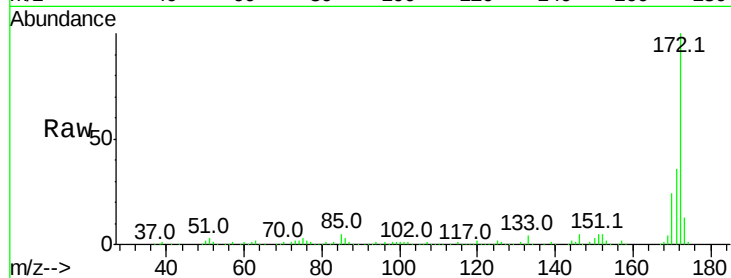




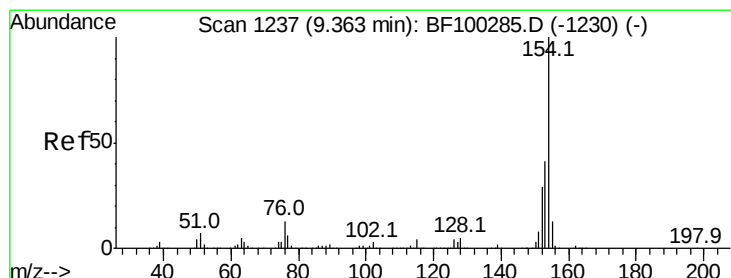
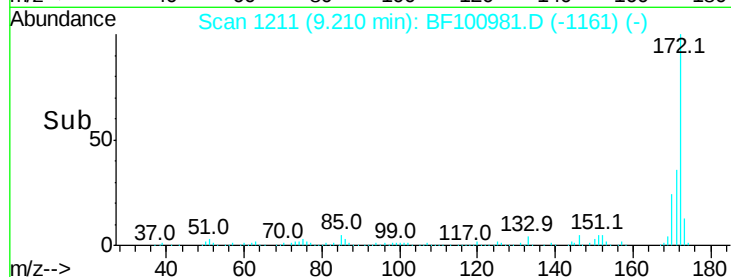
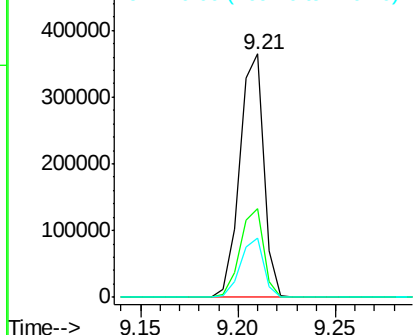
#44
 2-Fluorobiphenyl
 Concen: 41.461 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF100981.D
 Acq: 29 Nov 2017 16:44

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.3	19.6	29.4

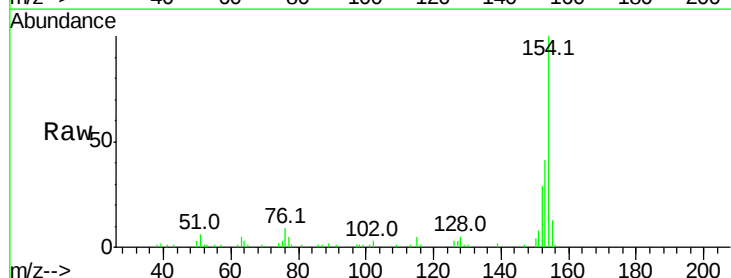


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

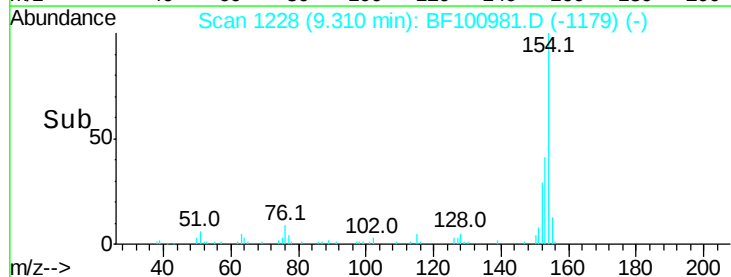
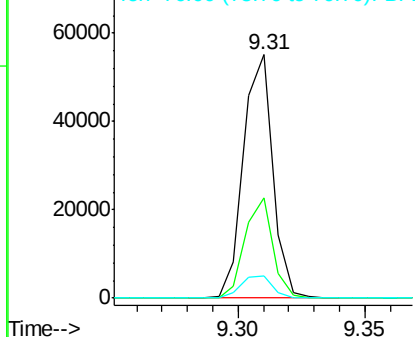


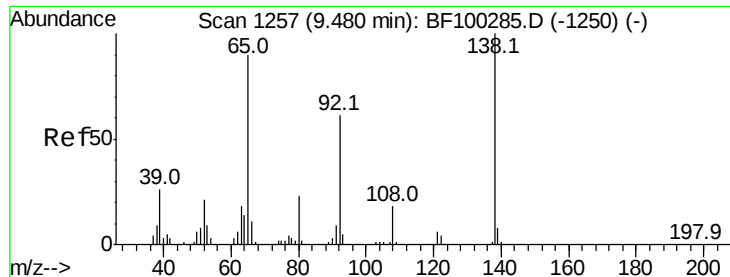
#45
 1,1'-Biphenyl
 Concen: 4.474 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF100981.D
 Acq: 29 Nov 2017 16:44

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.0	21.3	61.3
76	9.3	0.0	34.0



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

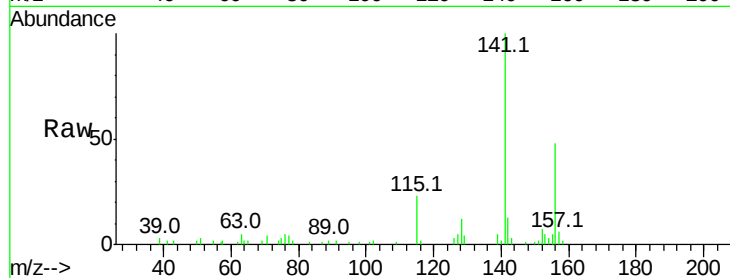




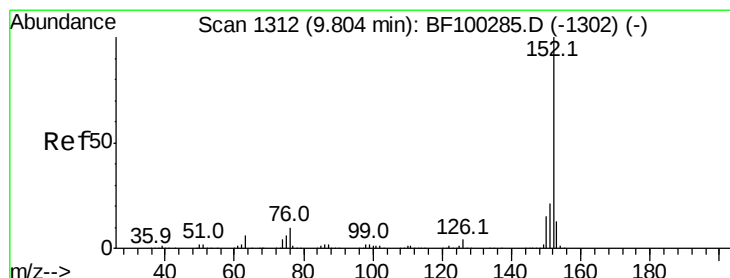
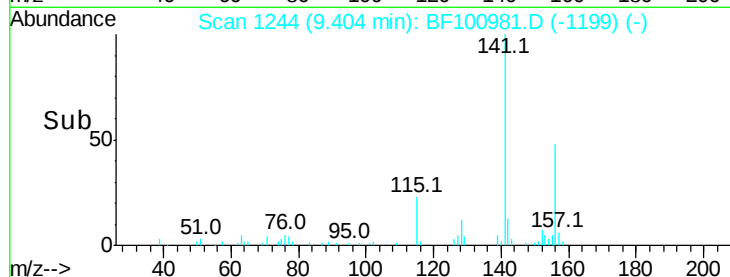
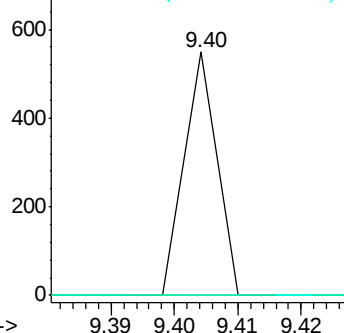
#47
2-Nitroaniline
Concen: 2.870 ng
RT: 9.40 min Scan# 1244
Delta R.T. -0.04 min
Lab File: BF100981.D
Acq: 29 Nov 2017 16:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 65 Resp: 194
Ion Ratio Lower Upper
65 100
92 0.0 55.8 83.6#
138 0.0 91.2 136.8#

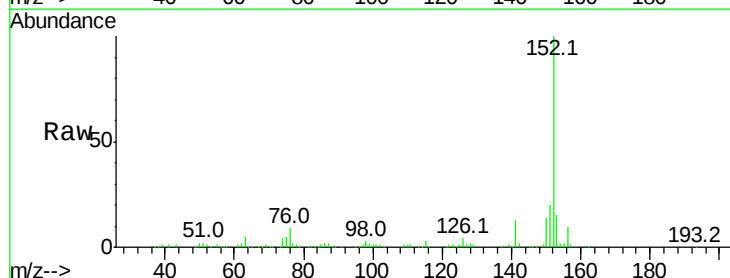


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

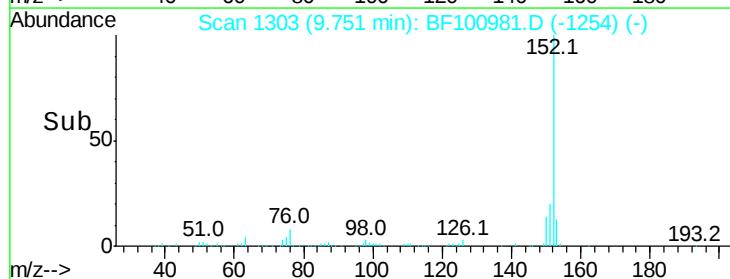
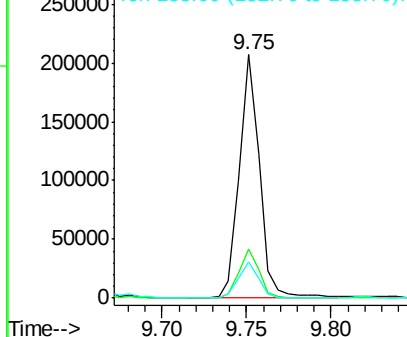


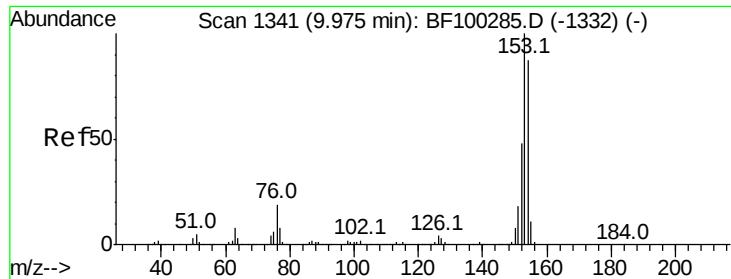
#48
Acenaphthylene
Concen: 14.489 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF100981.D
Acq: 29 Nov 2017 16:44

Tgt Ion:152 Resp: 172472
Ion Ratio Lower Upper
152 100
151 20.3 16.3 24.5
153 14.9 10.7 16.1



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





#51

Acenaphthene

Concen: 17.368 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF100981.D

Acq: 29 Nov 2017 16:44

Instrument :

BNA_F

ClientSampleId :

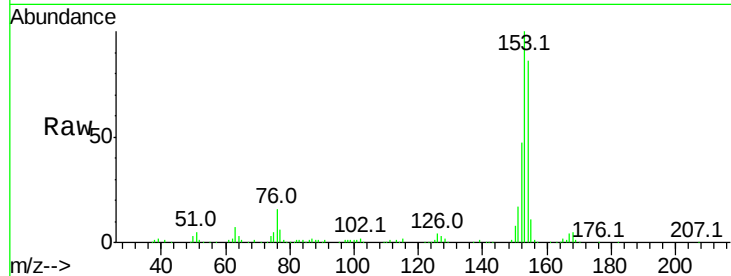
Tot Ion:154 Resp: 125739

Ion Ratio Lower Upper

154 100

153 116.6 91.2 136.8

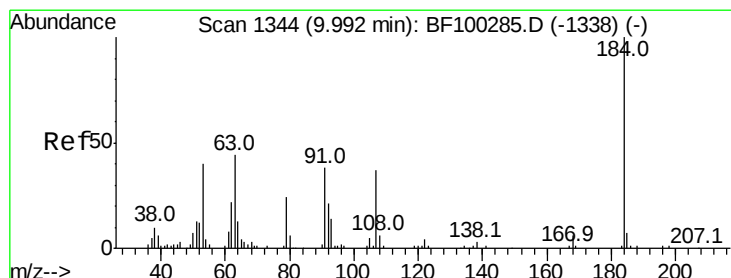
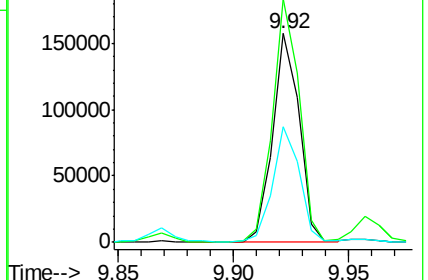
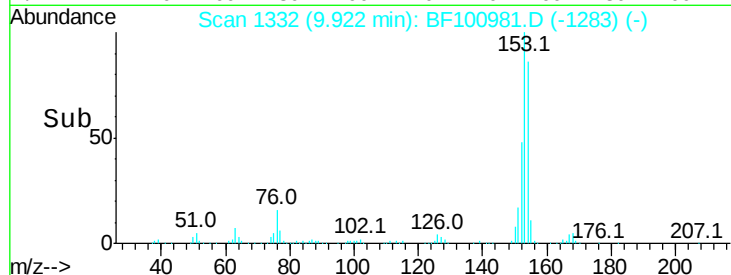
152 55.3 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 8.010 ng

RT: 10.21 min Scan# 1381

Delta R.T. 0.25 min

Lab File: BF100981.D

Acq: 29 Nov 2017 16:44

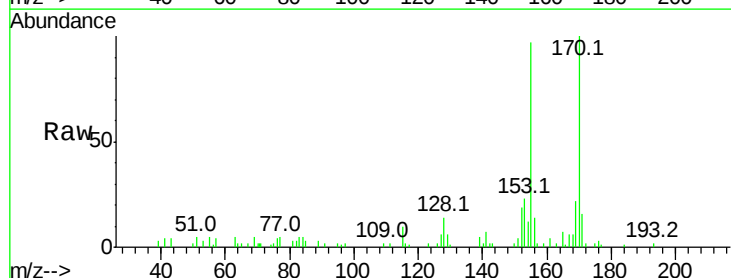
Tgt Ion:184 Resp: 107

Ion Ratio Lower Upper

184 100

63 348.3 54.2 81.2#

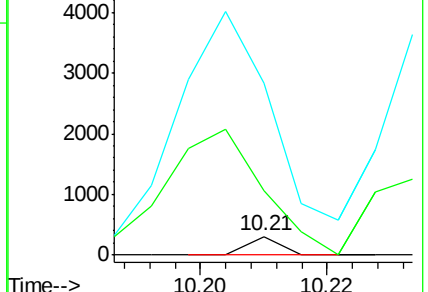
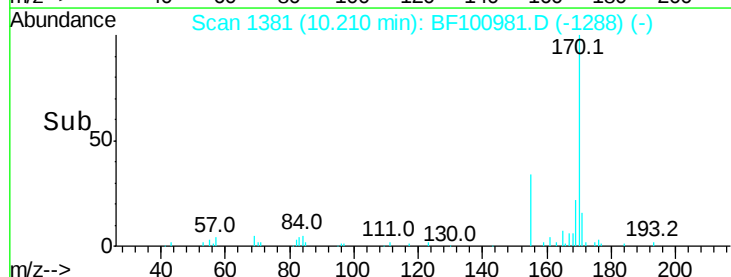
154 938.7 184.0 276.0#

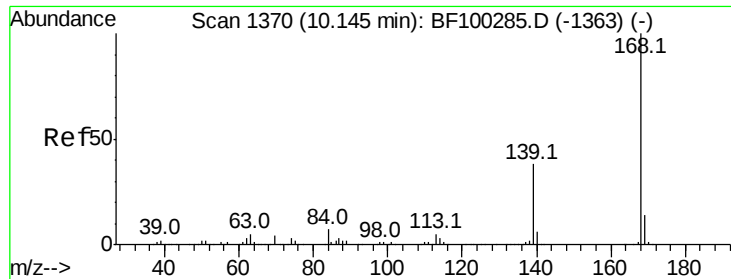


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

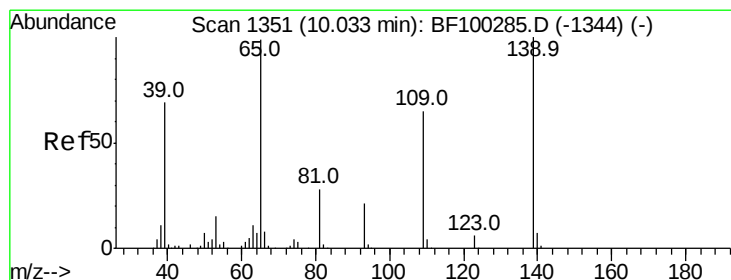
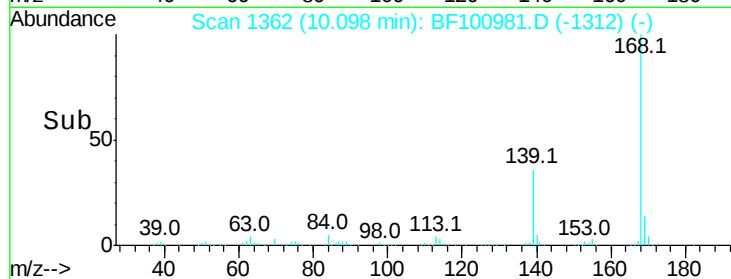
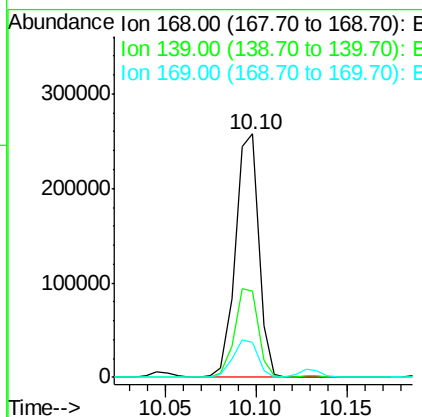
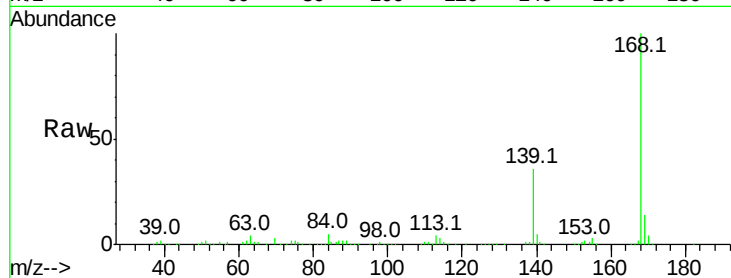




#54
Dibenzofuran
Concen: 22.780 ng
RT: 10.10 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BF100981.D
Acq: 29 Nov 2017 16:44

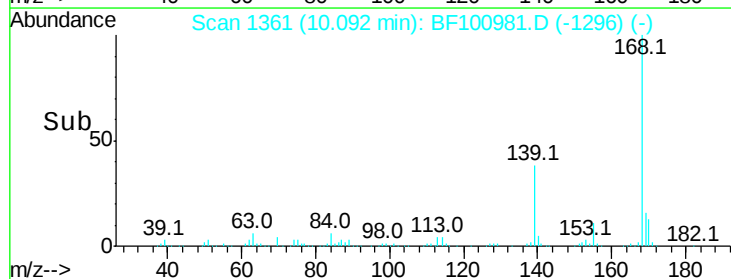
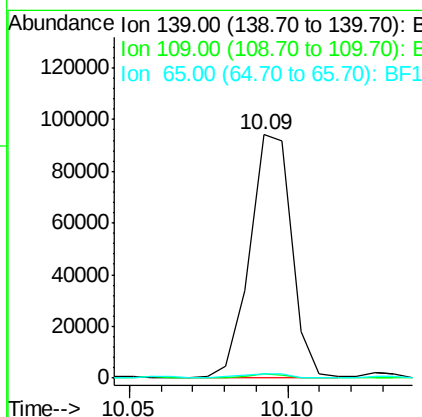
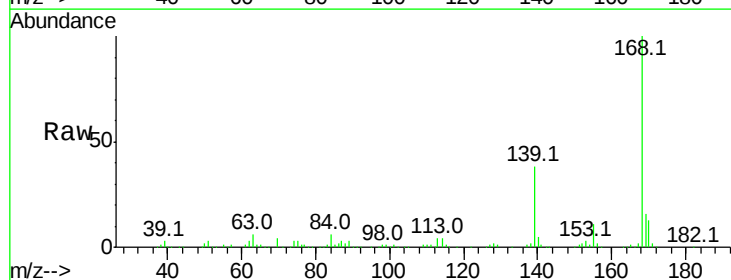
Instrument :
BNA_F
ClientSampleId :

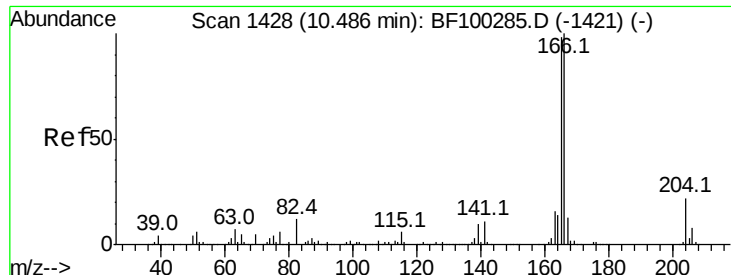
Tot Ion:168 Resp: 231149
Ion Ratio Lower Upper
168 100
139 35.5 30.1 45.1
169 14.4 10.9 16.3



#55
4-Nitrophenol
Concen: 52.098 ng
RT: 10.09 min Scan# 1361
Delta R.T. 0.08 min
Lab File: BF100981.D
Acq: 29 Nov 2017 16:44

Tgt Ion:139 Resp: 86426
Ion Ratio Lower Upper
139 100
109 1.6 48.4 88.4#
65 1.8 72.6 112.6#





#57

Fluorene

Concen: 52.786 ng

RT: 10.45 min Scan# 1421

Delta R.T. 0.00 min

Lab File: BF100981.D

Acq: 29 Nov 2017 16:44

Instrument :

BNA_F

ClientSampleId :

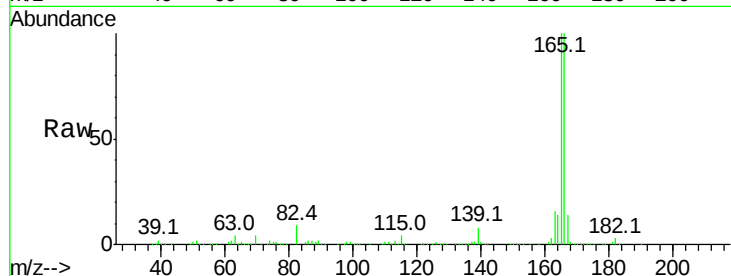
Tot Ion:166 Resp: 392370

Ion Ratio Lower Upper

166 100

165 100.3 79.8 119.8

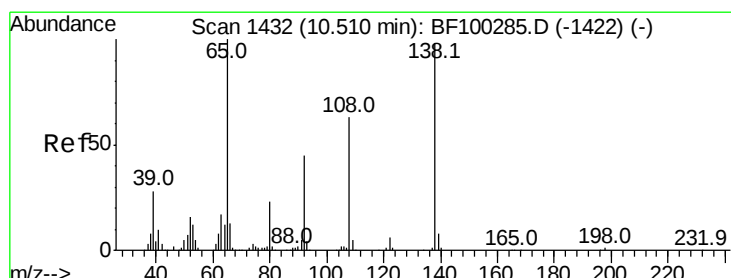
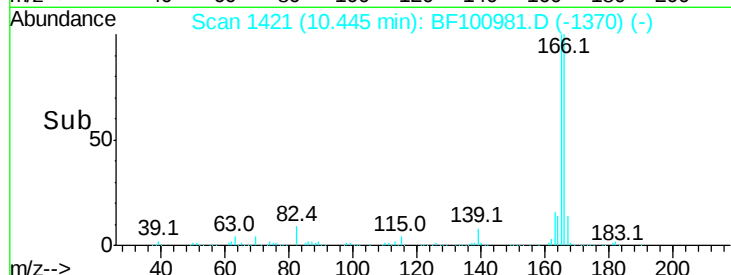
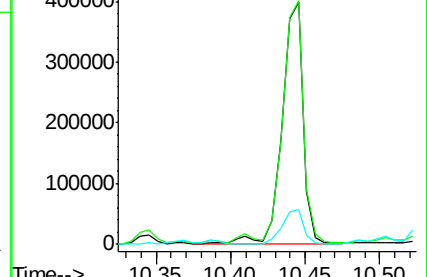
167 14.5 10.6 16.0



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



#61

4-Nitroaniline

Concen: 2.153 ng

RT: 10.44 min Scan# 1420

Delta R.T. -0.03 min

Lab File: BF100981.D

Acq: 29 Nov 2017 16:44

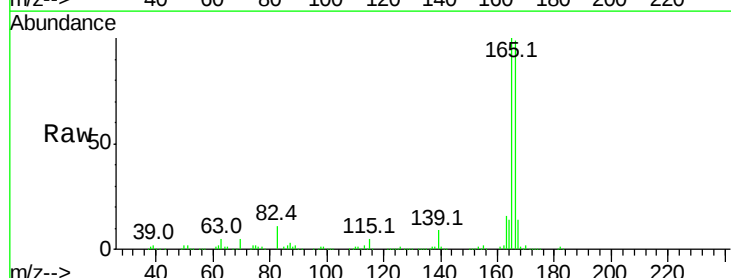
Tgt Ion:138 Resp: 4171

Ion Ratio Lower Upper

138 100

92 0.0 30.2 70.2#

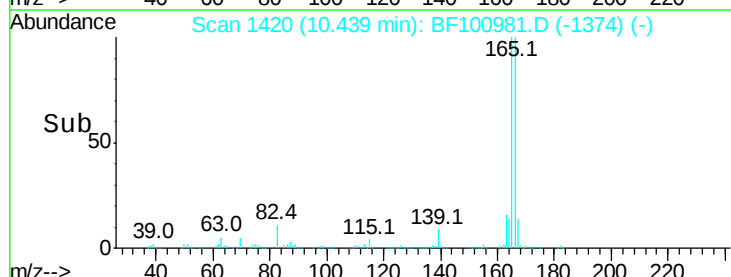
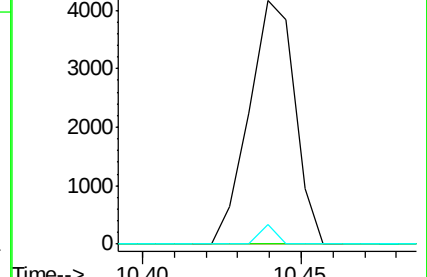
108 7.9 52.5 92.5#

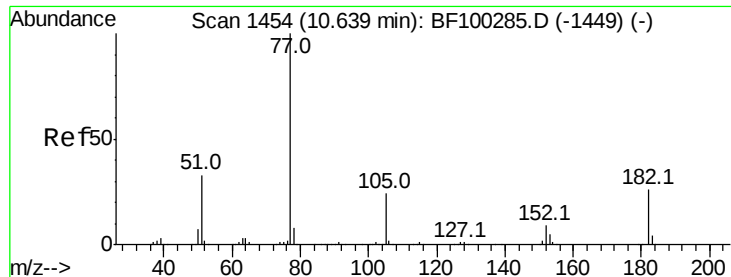


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E





#62

Azobenzene

Concen: 2.106 ng

RT: 10.60 min Scan# 1447

Delta R.T. 0.00 min

Lab File: BF100981.D

Acq: 29 Nov 2017 16:44

Instrument :

BNA_F

ClientSampled :

Tot Ion: 77 Resp: 17353

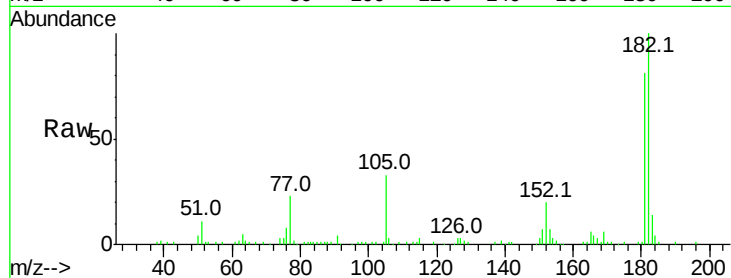
Ion Ratio Lower Upper

77 100

182 436.9 1.7 41.7#

105 145.5 3.0 43.0#

51 47.1 9.9 49.9

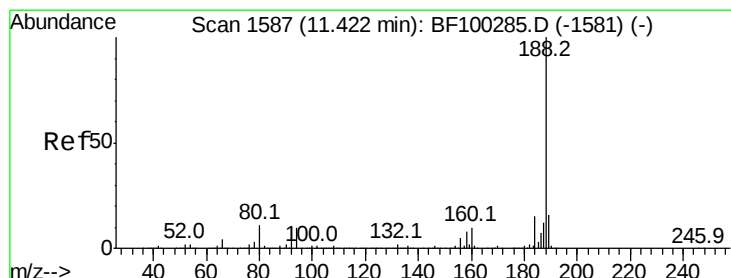
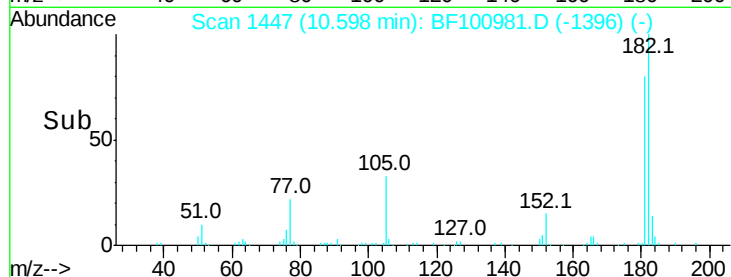
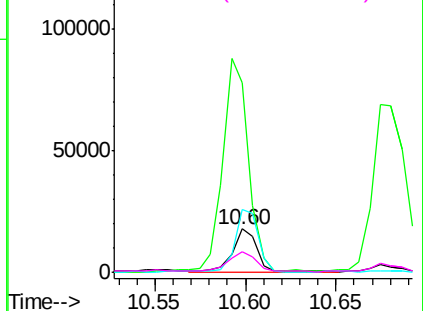


Abundance Ion 77.00 (76.70 to 77.70): BF1

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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.38 min Scan# 1580

Delta R.T. 0.00 min

Lab File: BF100981.D

Acq: 29 Nov 2017 16:44

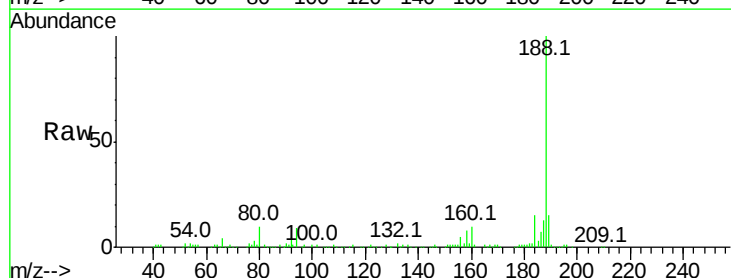
Tgt Ion: 188 Resp: 181349

Ion Ratio Lower Upper

188 100

94 8.8 8.5 12.7

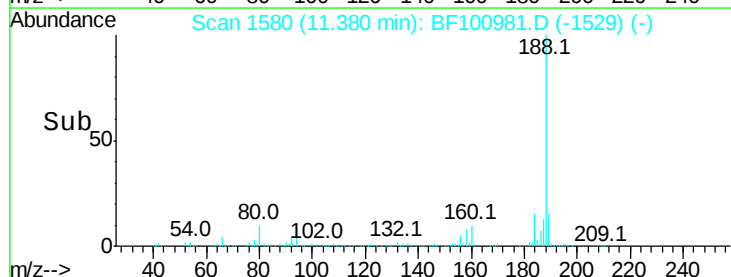
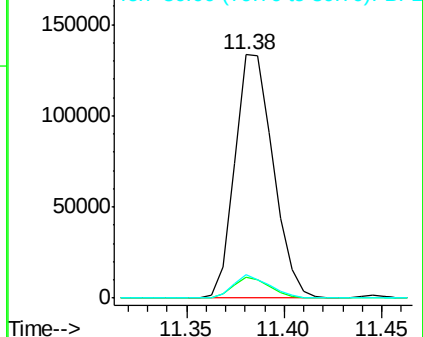
80 9.5 9.2 13.8

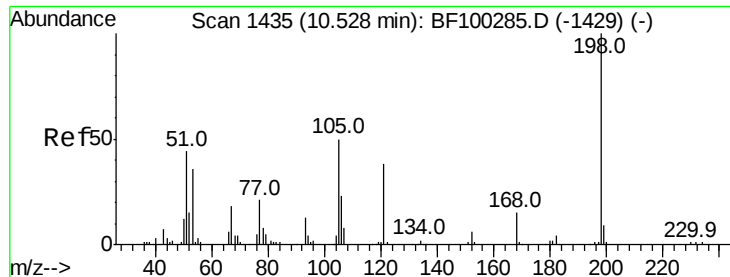


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 8.792 ng

RT: 10.75 min Scan# 1473

Delta R.T. 0.25 min

Lab File: BF100981.D

Acq: 29 Nov 2017 16:44

Instrument :

BNA_F

ClientSampleId :

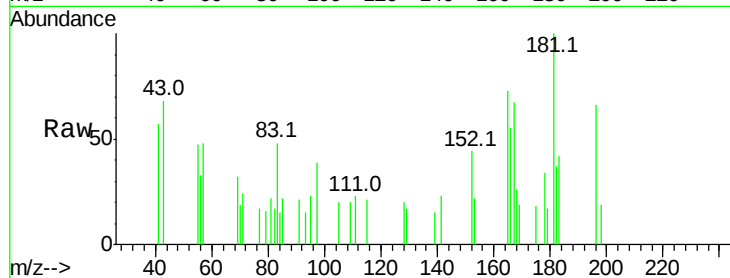
Tot Ion:198 Resp: 248

Ion Ratio Lower Upper

198 100

51 0.0 37.7 77.7#

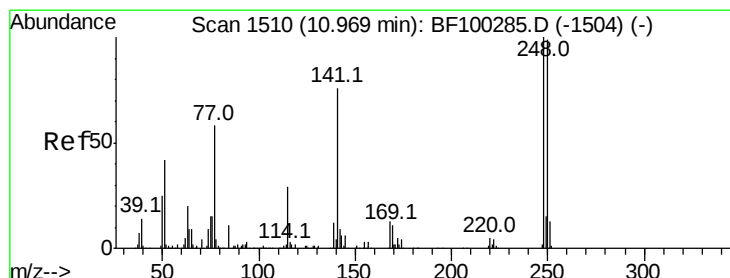
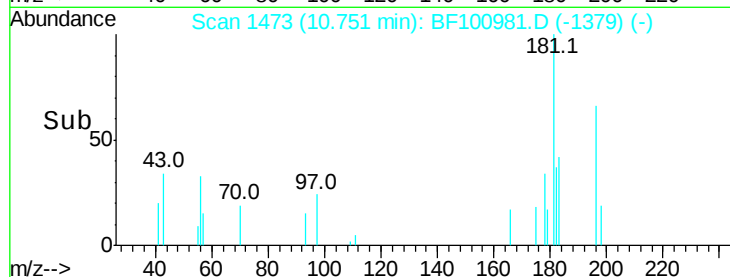
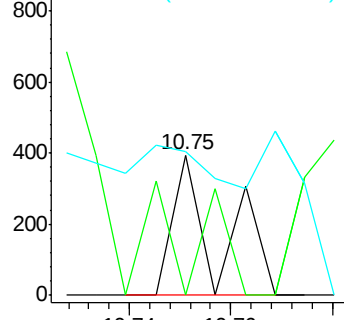
105 102.8 36.3 76.3#



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

4-Bromophenyl-phenylether

Concen: 2.123 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.25 min

Lab File: BF100981.D

Acq: 29 Nov 2017 16:44

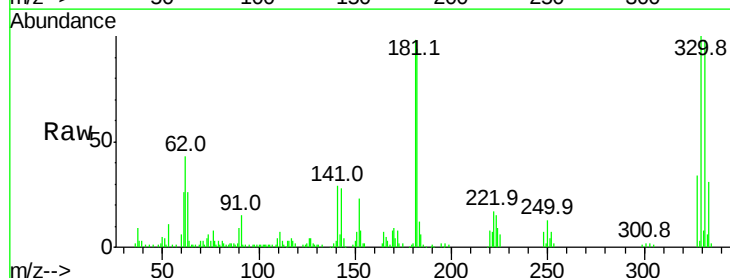
Tgt Ion:248 Resp: 4127

Ion Ratio Lower Upper

248 100

250 180.3 76.9 115.3#

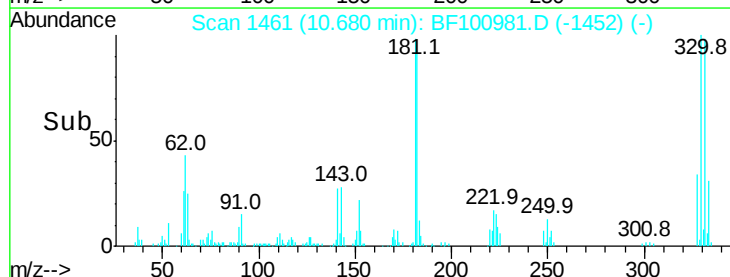
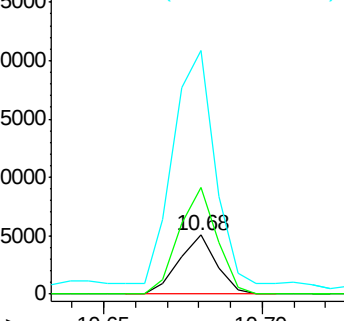
141 413.0 74.4 111.6#

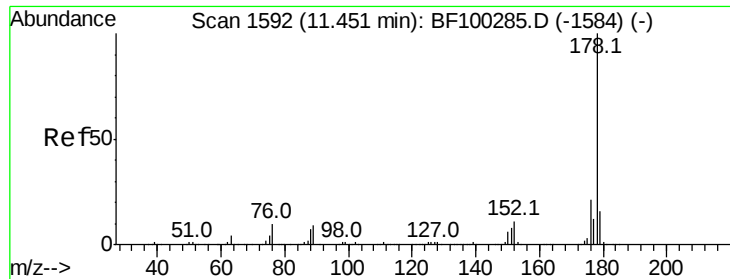


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 245.799 ng

RT: 11.43 min Scan# 1588

Delta R.T. 0.02 min

Lab File: BF100981.D

Acq: 29 Nov 2017 16:44

Instrument :

BNA_F

ClientSampleId :

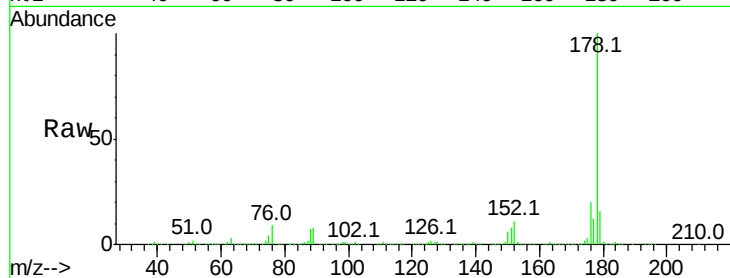
Tot Ion:178 Resp: 2346956

Ion Ratio Lower Upper

178 100

176 20.1 15.8 23.8

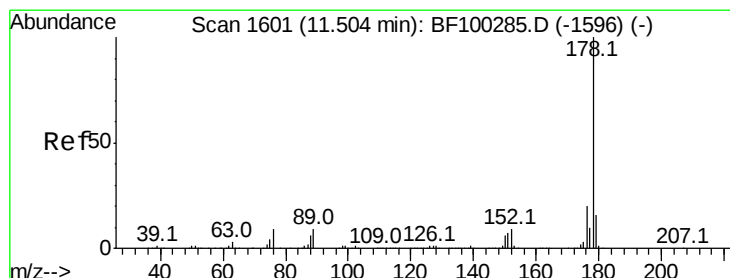
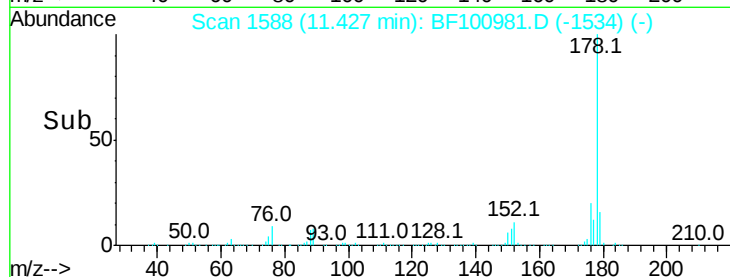
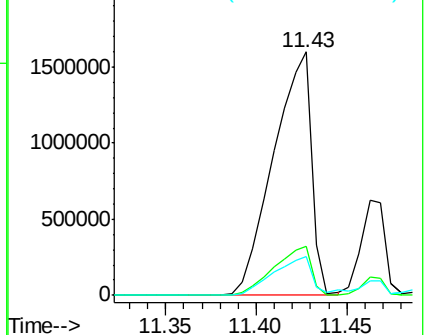
179 16.0 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 59.908 ng

RT: 11.46 min Scan# 1594

Delta R.T. 0.00 min

Lab File: BF100981.D

Acq: 29 Nov 2017 16:44

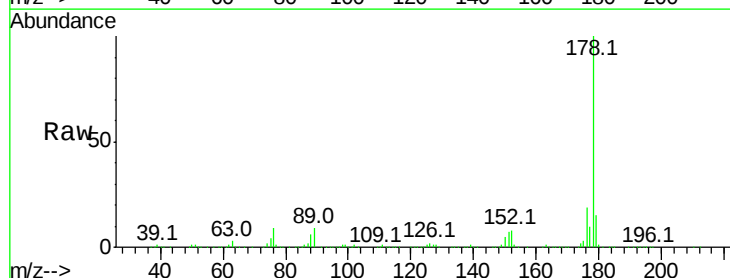
Tgt Ion:178 Resp: 580343

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

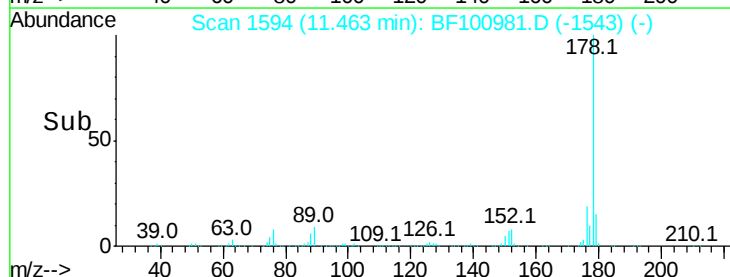
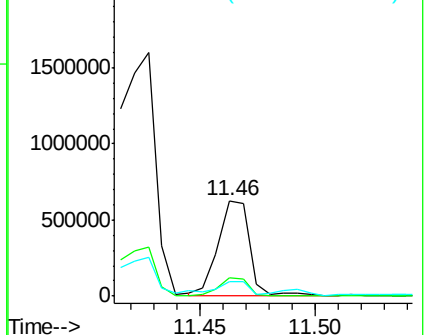
179 15.5 12.6 19.0

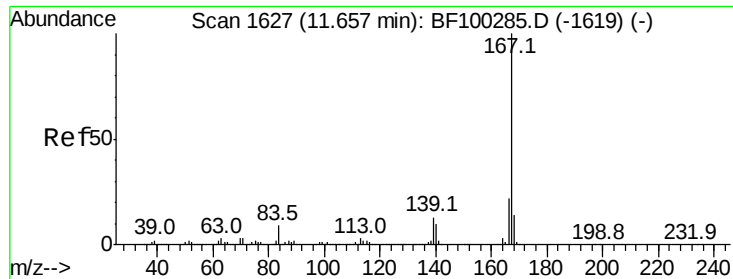


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 24.375 ng

RT: 11.61 min Scan# 1619

Delta R.T. -0.01 min

Lab File: BF100981.D

Acq: 29 Nov 2017 16:44

Instrument :

BNA_F

ClientSampleId :

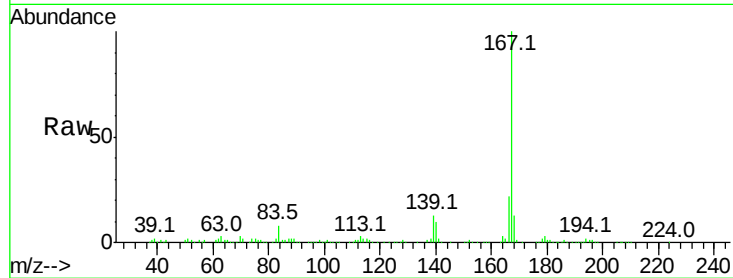
Tot Ion:167 Resp: 217872

Ion Ratio Lower Upper

167 100

166 21.8 17.6 26.4

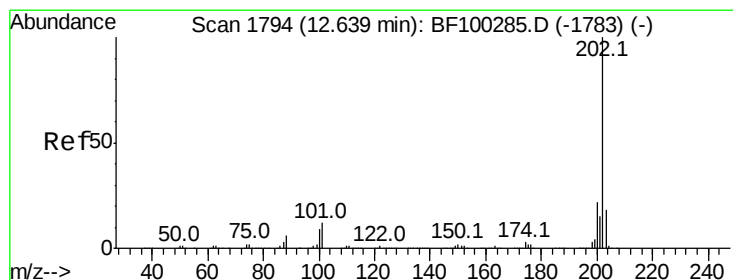
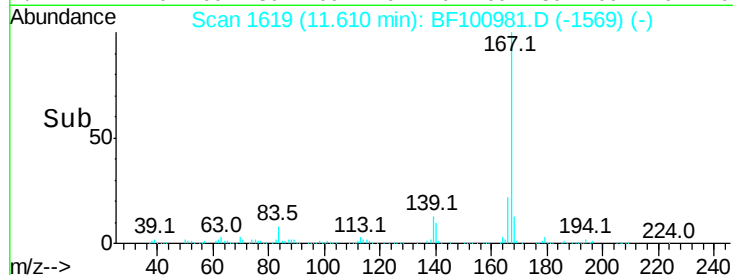
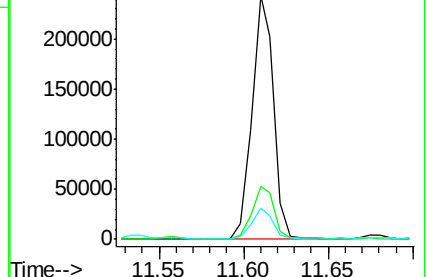
139 12.7 10.9 16.3



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



#74

Fluoranthene

Concen: 238.152 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.02 min

Lab File: BF100981.D

Acq: 29 Nov 2017 16:44

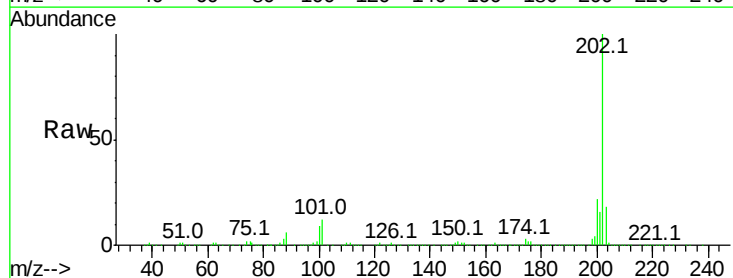
Tgt Ion:202 Resp: 2409947

Ion Ratio Lower Upper

202 100

101 11.9 0.0 34.1

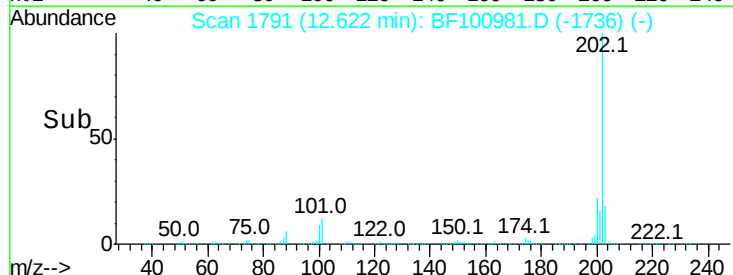
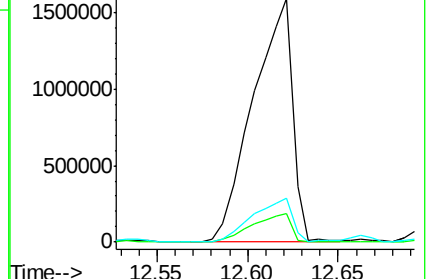
203 18.0 0.0 38.1

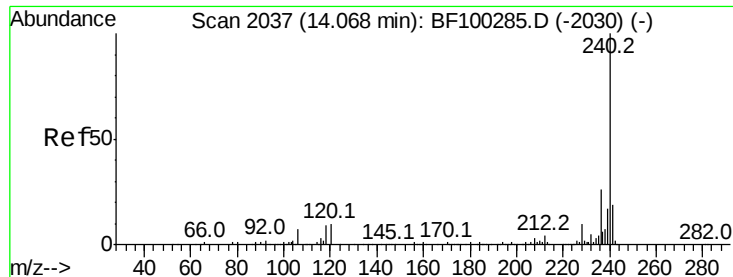


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.01 min

Lab File: BF100981.D

Acq: 29 Nov 2017 16:44

Instrument :

BNA_F

ClientSampleId :

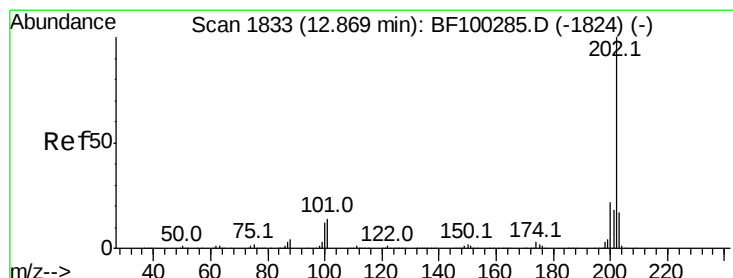
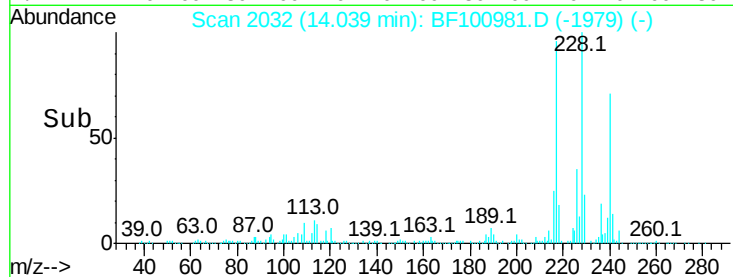
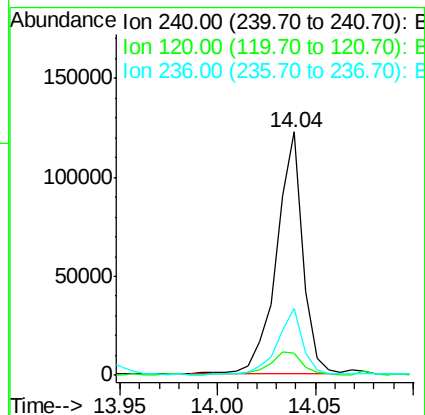
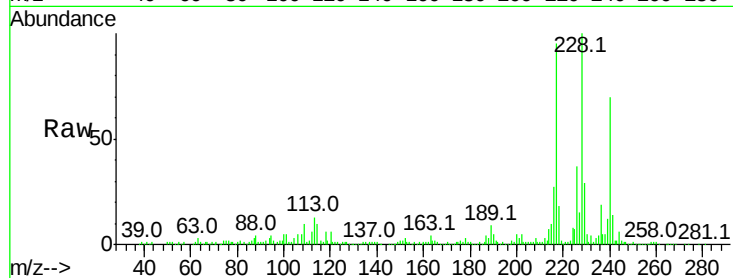
Tot Ion:240 Resp: 114663

Ion Ratio Lower Upper

240 100

120 9.3 9.5 14.3#

236 27.7 20.7 31.1



#77

Pyrene

Concen: 260.273 ng

RT: 12.85 min Scan# 1830

Delta R.T. 0.02 min

Lab File: BF100981.D

Acq: 29 Nov 2017 16:44

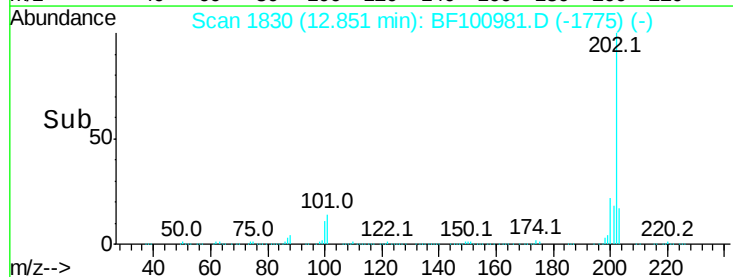
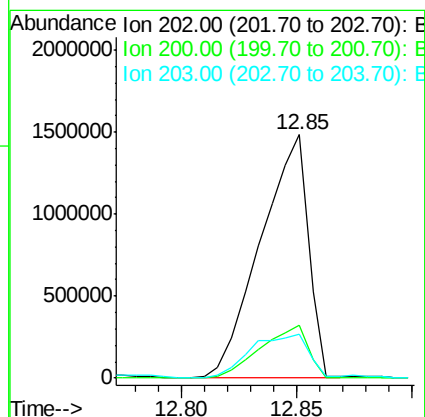
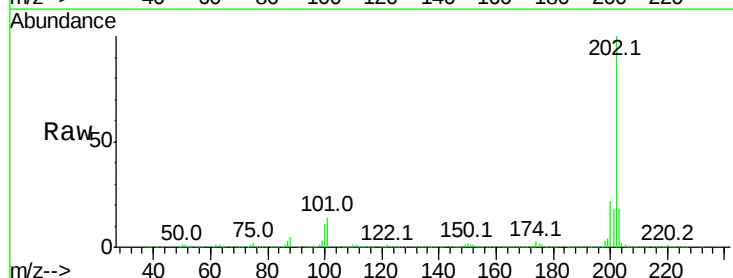
Tgt Ion:202 Resp: 2127370

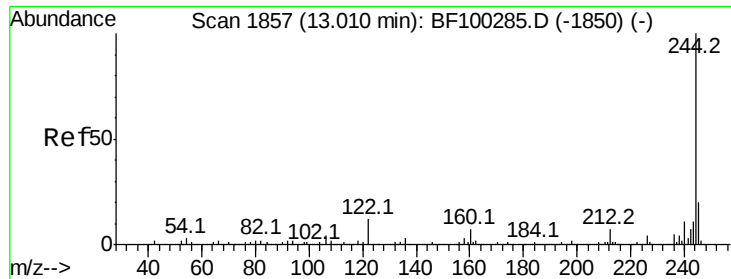
Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

203 18.2 14.3 21.5

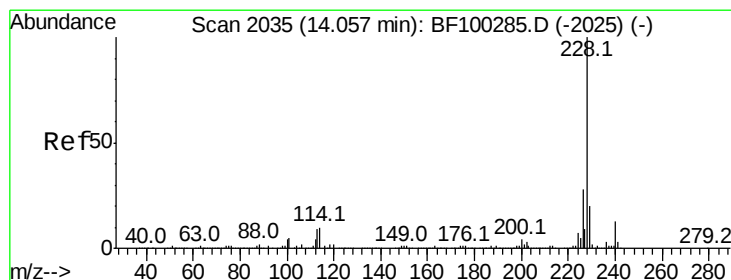
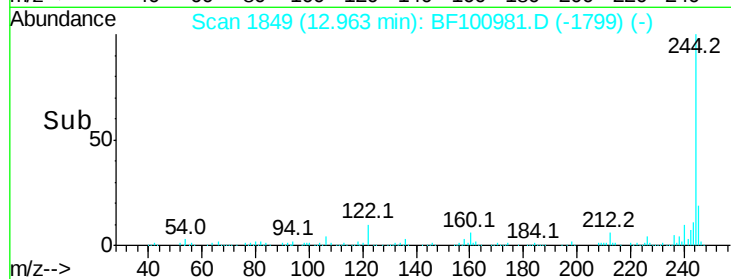
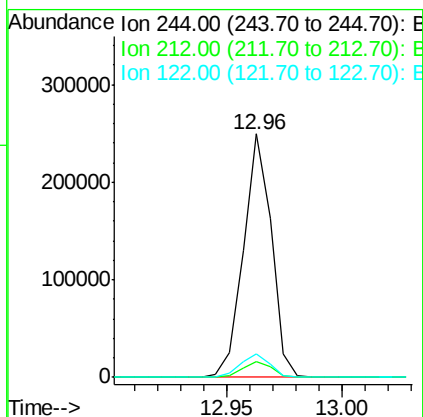
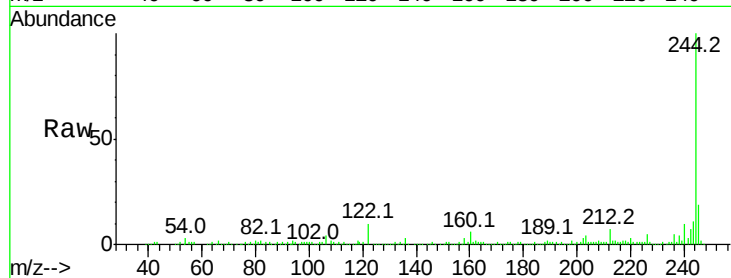




#78
 Terphenyl-d14
 Concen: 42.180 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF100981.D
 Acq: 29 Nov 2017 16:44

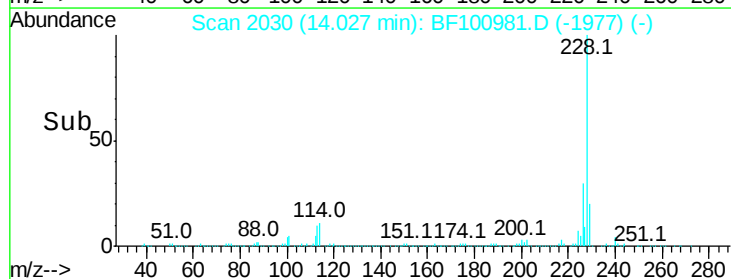
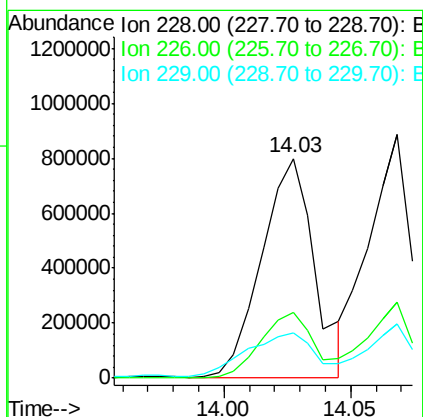
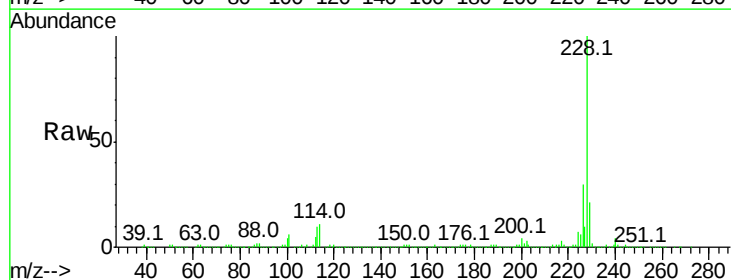
Instrument :
 BNA_F
 ClientSampleId :

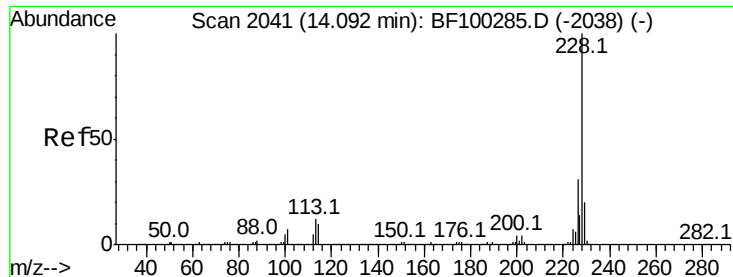
Tot Ion:244 Resp: 210492
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 9.8 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 166.904 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. 0.01 min
 Lab File: BF100981.D
 Acq: 29 Nov 2017 16:44

Tgt Ion:228 Resp: 1152463
 Ion Ratio Lower Upper
 228 100
 226 30.0 22.6 33.8
 229 20.5 15.8 23.6

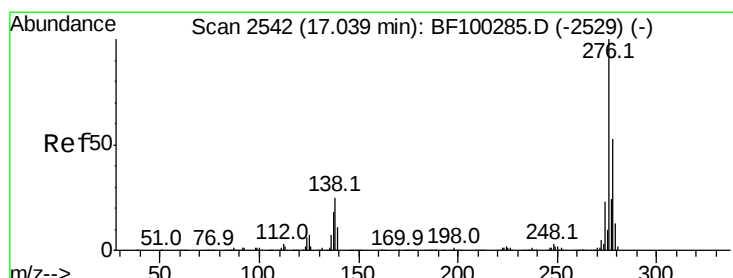
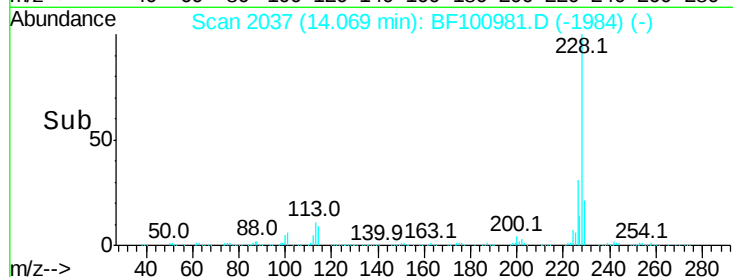
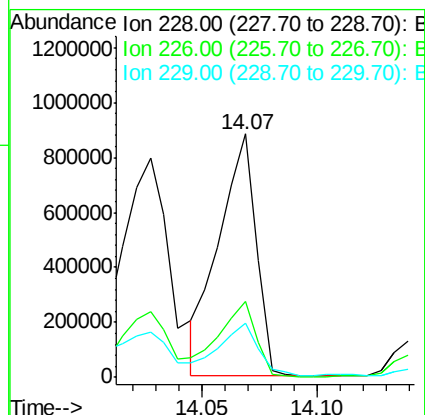
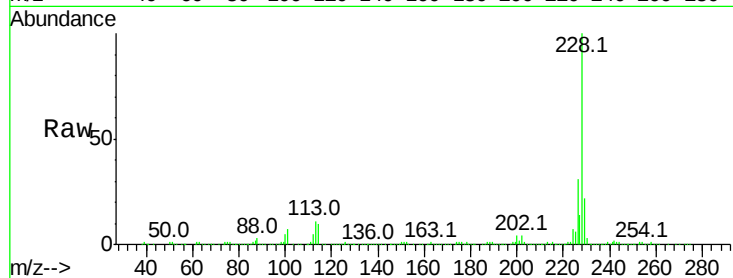




#82
Chrysene
Concen: 148.849 ng
RT: 14.07 min Scan# 2037
Delta R.T. 0.01 min
Lab File: BF100981.D
Acq: 29 Nov 2017 16:44

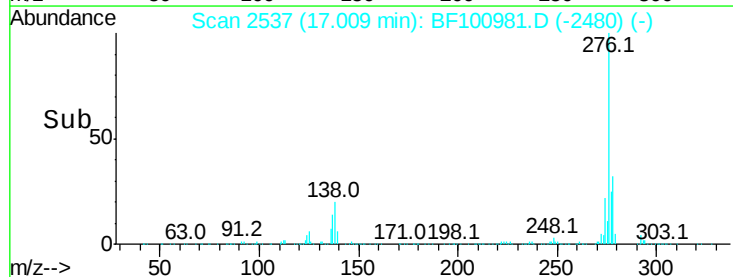
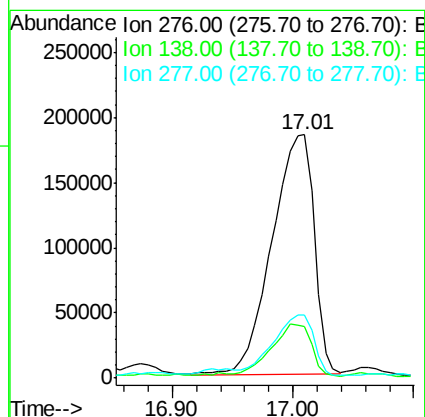
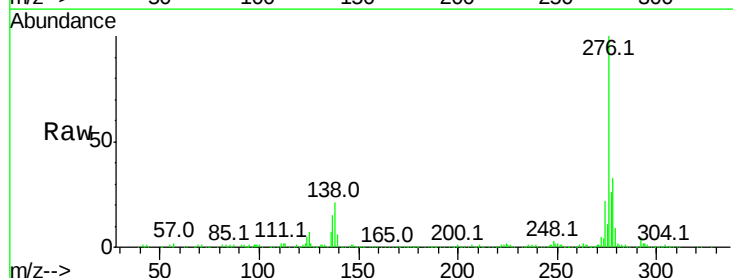
Instrument :
BNA_F
ClientSampleId :

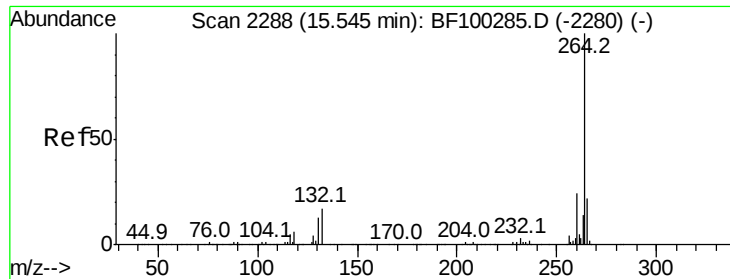
Tot Ion:228 Resp: 995282
Ion Ratio Lower Upper
228 100
226 31.1 25.0 37.6
229 22.1 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 82.253 ng
RT: 17.01 min Scan# 2537
Delta R.T. 0.04 min
Lab File: BF100981.D
Acq: 29 Nov 2017 16:44

Tgt Ion:276 Resp: 444858
Ion Ratio Lower Upper
276 100
138 21.5 25.0 37.6#
277 26.9 20.1 30.1

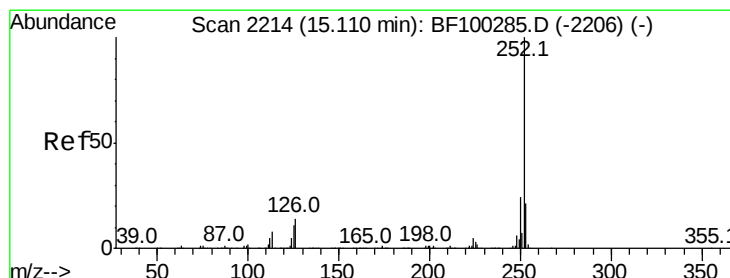
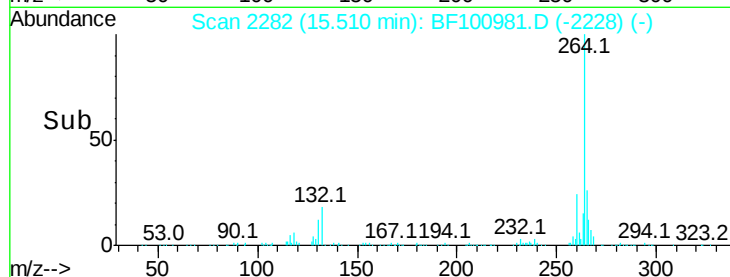
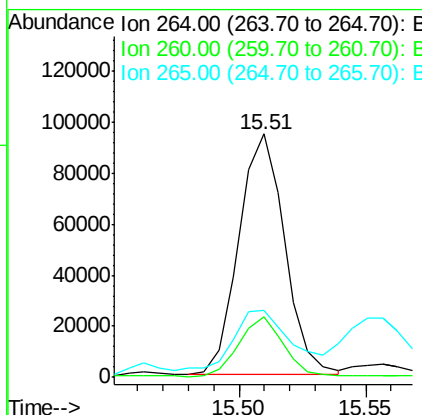
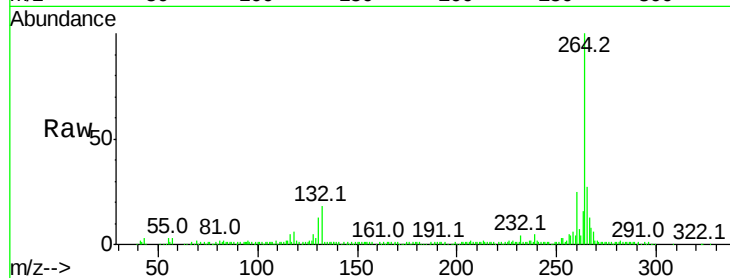




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.51 min Scan# 2282
 Delta R.T. 0.02 min
 Lab File: BF100981.D
 Acq: 29 Nov 2017 16:44

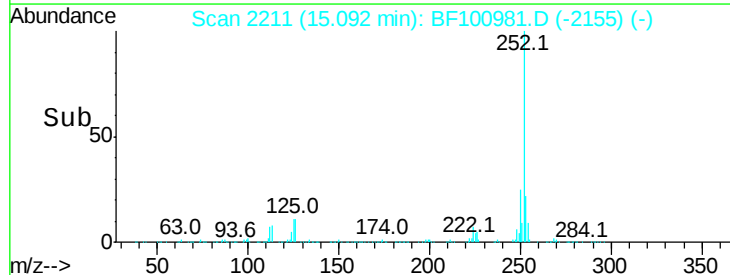
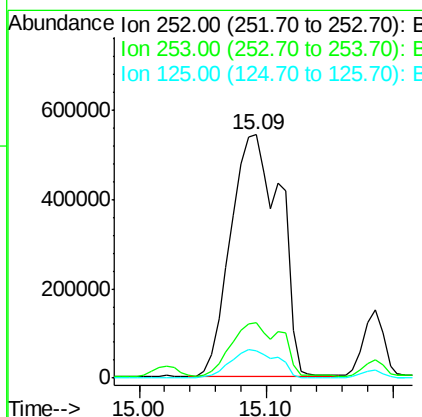
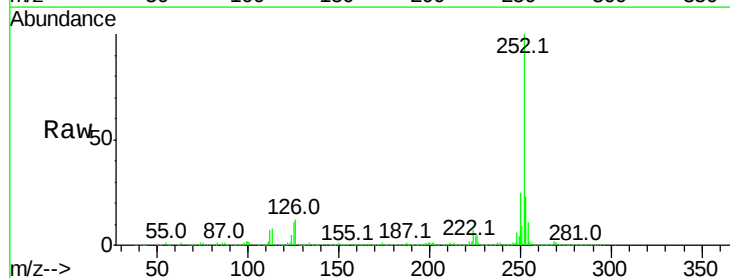
Instrument :
 BNA_F
 ClientSampleId :

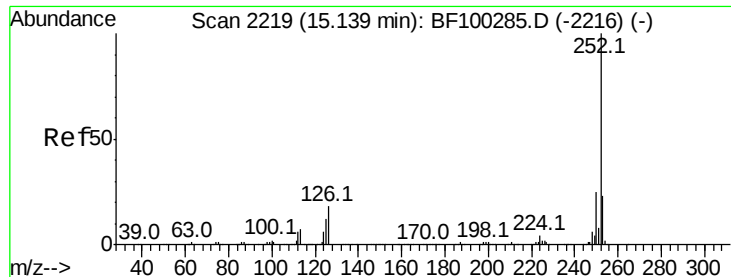
Tot Ion:264 Resp: 118624
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.2 28.8
 265 27.3 17.5 26.3#



#87
 Benzo(b)fluoranthene
 Concen: 209.654 ng
 RT: 15.09 min Scan# 2211
 Delta R.T. 0.03 min
 Lab File: BF100981.D
 Acq: 29 Nov 2017 16:44

Tgt Ion:252 Resp: 1473418
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.0 25.6
 125 11.0 9.0 13.6

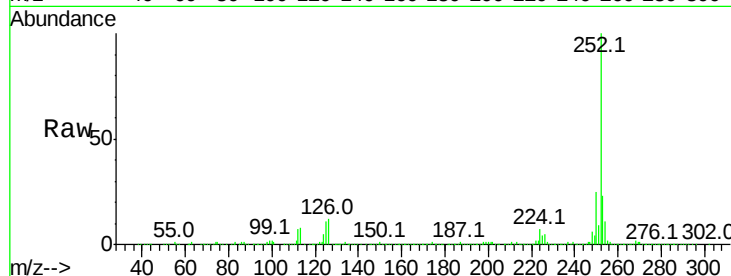




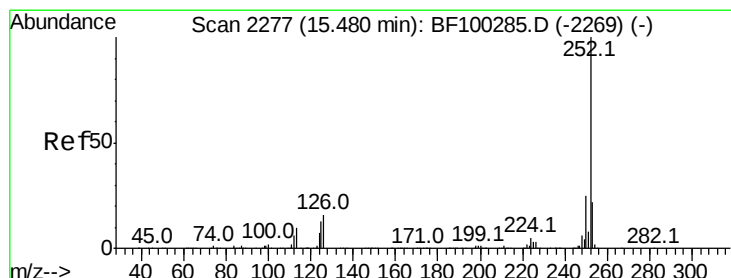
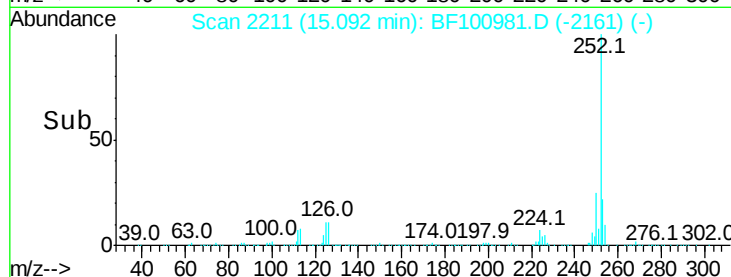
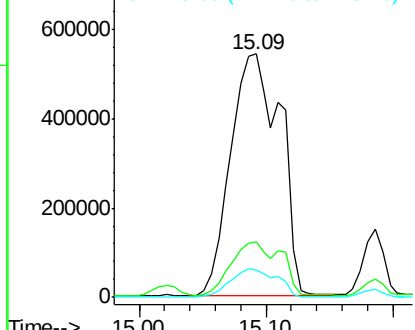
#88
Benzo(k)fluoranthene
Concen: 221.890 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF100981.D
Acq: 29 Nov 2017 16:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 1473418
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 11.0 10.2 15.2

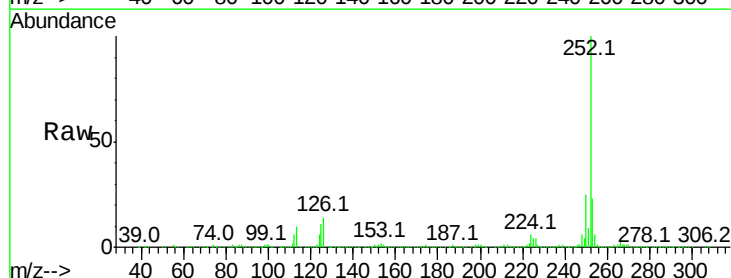


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

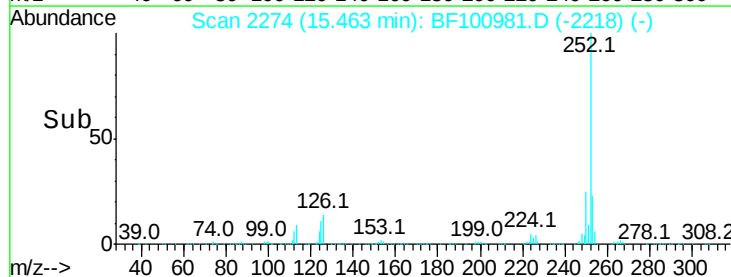
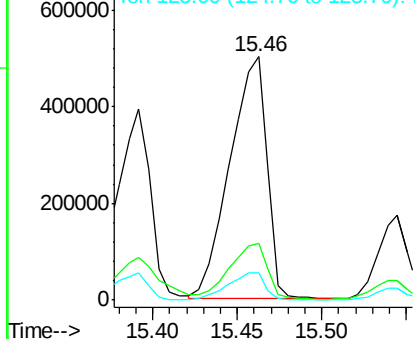


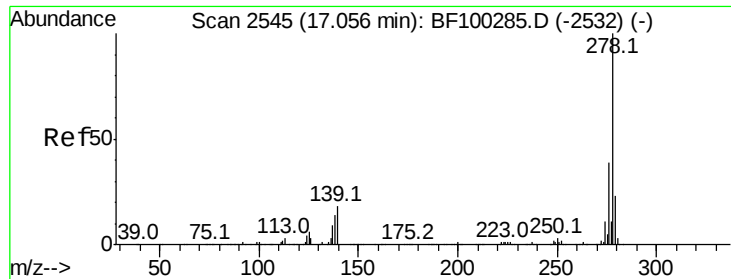
#89
Benzo(a)pyrene
Concen: 123.845 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.03 min
Lab File: BF100981.D
Acq: 29 Nov 2017 16:44

Tgt Ion:252 Resp: 771609
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 11.4 9.8 14.6



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





#90

Dibenzo(a,h)anthracene

Concen: 23.650 ng

RT: 17.01 min Scan# 2537

Delta R.T. 0.02 min

Lab File: BF100981.D

Acq: 29 Nov 2017 16:44

Instrument :

BNA_F

ClientSampleId :

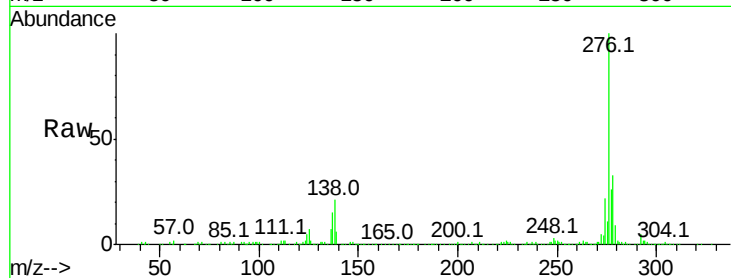
Tot Ion:278 Resp: 120502

Ion Ratio Lower Upper

278 100

139 16.7 15.9 23.9

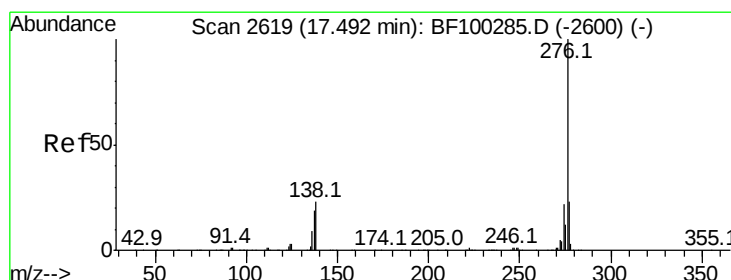
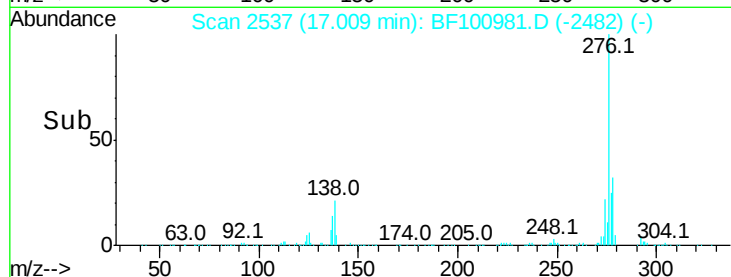
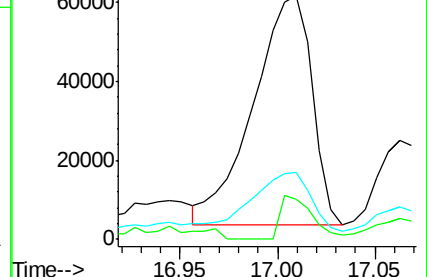
279 27.3 19.0 28.4



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



#91

Benzo(g,h,i)perylene

Concen: 84.699 ng

RT: 17.46 min Scan# 2614

Delta R.T. 0.04 min

Lab File: BF100981.D

Acq: 29 Nov 2017 16:44

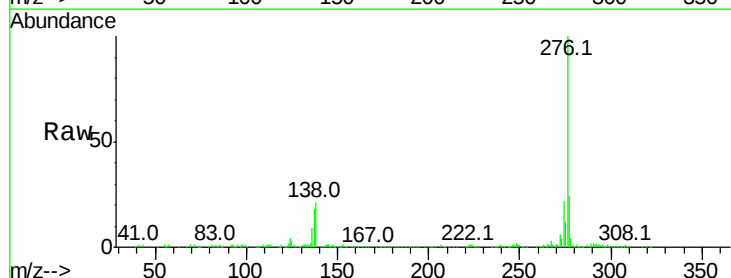
Tgt Ion:276 Resp: 422456

Ion Ratio Lower Upper

276 100

277 24.3 17.9 26.9

138 20.8 21.8 32.8#



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

