

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020918\
 Data File : BF102883.D
 Acq On : 9 Feb 2018 12:44
 Operator : SJ/JU
 Sample : J1485-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 09 13:52:34 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	158999	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	617749	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	256104	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	414371	20.00	ng	0.00
75) Chrysene-d12	14.06	240	314426	20.00	ng	0.01
86) Perylene-d12	15.54	264	300670	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	948786	90.62	ng	0.01
7) Phenol-d6	6.52	99	1105145	87.67	ng	0.01
23) Nitrobenzene-d5	7.45	82	724537	81.36	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	186779	90.61	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	965879	62.58	ng	0.00
78) Terphenyl-d14	13.00	244	725326	54.62	ng	0.00

Target Compounds

					Qvalue	
10) Phenol	6.52	94	83313	6.167	ng	84
19) n-Nitroso-di-n-propylamine	7.45	70	99408	11.960	ng	# 84
24) Nitrobenzene	7.49	77	176	Below Cal		# 38
25) Isophorone	7.45	82	724520	35.333	ng	# 64
31) Naphthalene	8.19	128	289048	9.577	ng	99
32) Benzoic acid	7.95	122	1158	8.726	ng	# 20
33) 4-Chloroaniline	8.19	127	38842	2.987	ng	# 32
37) 2-Methylnaphthalene	8.88	142	62993	3.188	ng	100
47) 2-Nitroaniline	9.44	65	379	3.539	ng	# 2
49) Dimethylphthalate	9.63	163	92302	4.622	ng	99
51) Acenaphthene	9.96	154	69198	4.387	ng	99
54) Dibenzofuran	10.13	168	83474	3.755	ng	98
55) 4-Nitrophenol	10.02	139	1189	4.318	ng	# 73
56) 2,4-Dinitrotoluene	10.08	165	2761	3.583	ng	# 43
57) Fluorene	10.47	166	107367	6.638	ng	97
64) 4,6-Dinitro-2-methylphenol	10.71	198	325	8.966	ng	# 47
66) 4-Bromophenyl-phenylether	10.72	248	12516	2.855	ng	# 1
70) Phenanthrene	11.44	178	1007890	43.674	ng	99
71) Anthracene	11.49	178	279297	11.899	ng	98
72) Carbazole	11.65	167	85687	3.726	ng	99
74) Fluoranthene	12.63	202	1193860	51.418	ng	98
77) Pyrene	12.86	202	1096293	44.464	ng	99
79) Butylbenzylphthalate	13.47	149	14155	2.199	ng	91
80) Benzo(a)anthracene	14.05	228	529649	26.785	ng	98
82) Chrysene	14.09	228	493062	24.735	ng	98
83) Bis(2-ethylhexyl)phthalate	14.03	149	42674	2.825	ng	97
85) Indeno(1,2,3-cd)pyrene	17.05	276	194846	11.786	ng	96
87) Benzo(b)fluoranthene	15.11	252	745254	38.231	ng	# 93
88) Benzo(k)fluoranthene	15.11	252	745254	40.012	ng	96
89) Benzo(a)pyrene	15.49	252	390450	22.252	ng	96
90) Dibenzo(a,h)anthracene	17.06	278	47979	3.369	ng	# 84
91) Benzo(a,h,i)perylene	17.51	276	186865	13.405	ng	96

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Response via : Initial Calibration

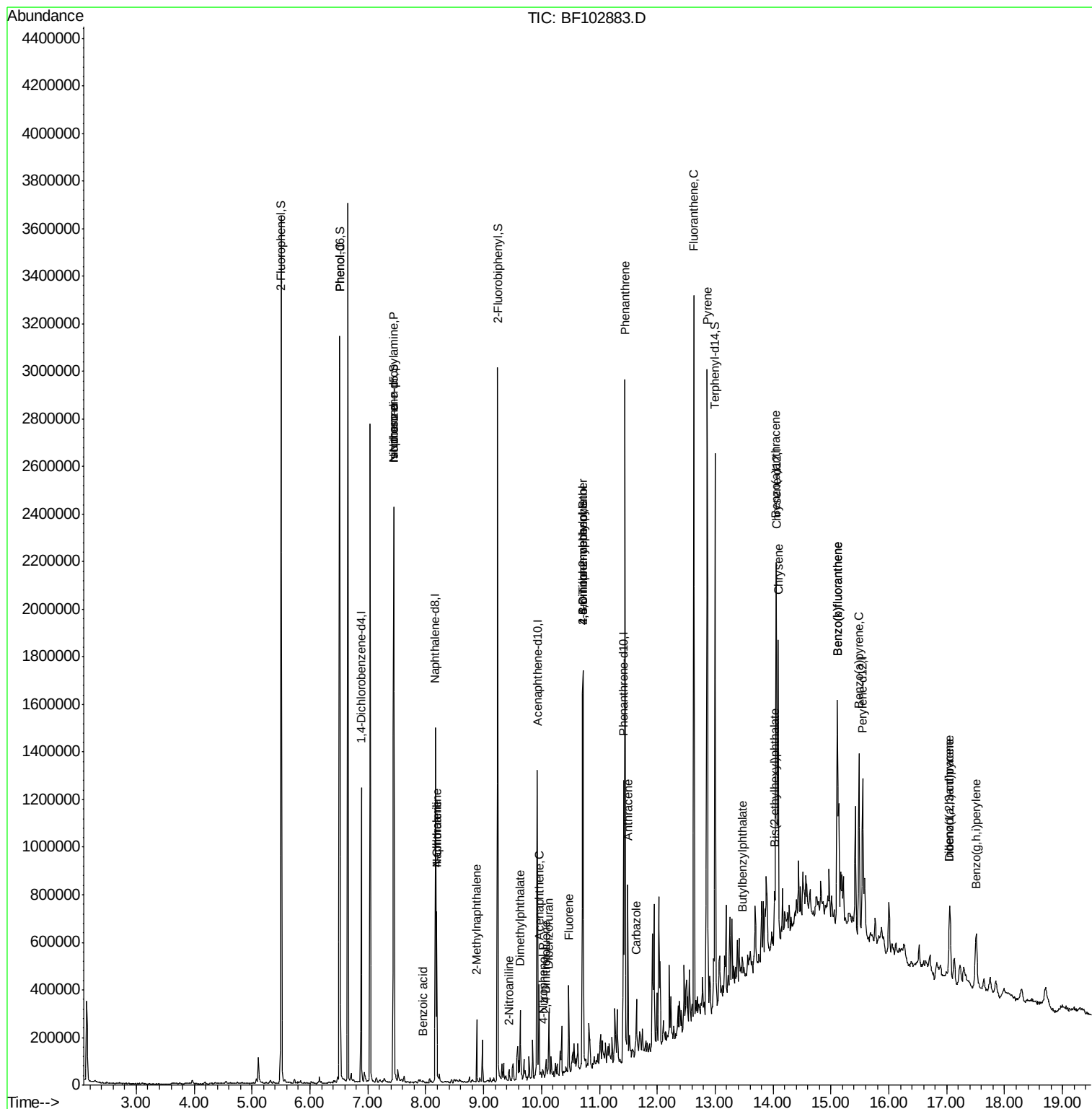
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

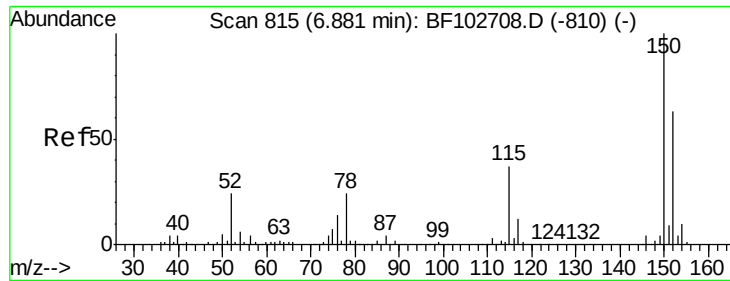
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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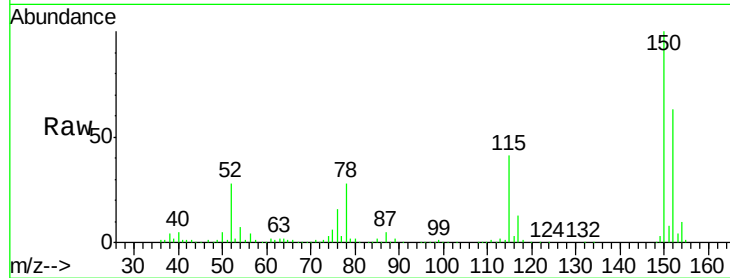


#1

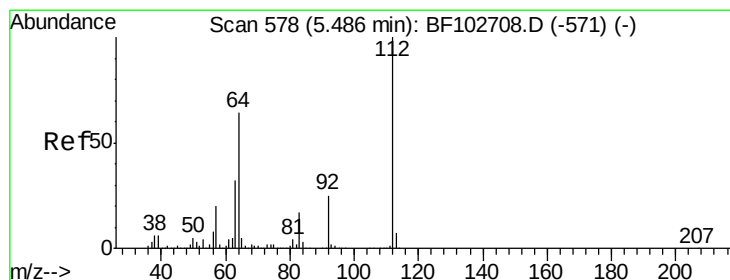
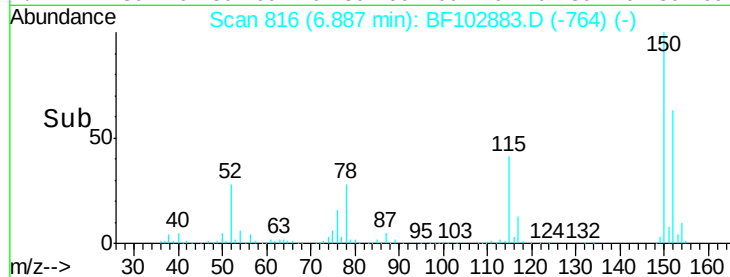
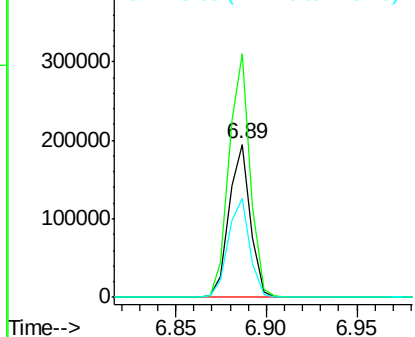
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102883.D
Acq: 9 Feb 2018 12:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	124.6	186.8
115	64.5	50.1	75.1



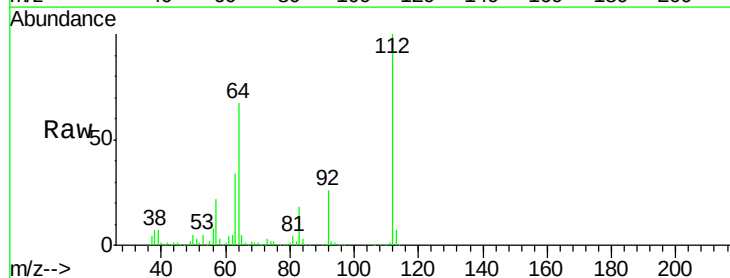
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



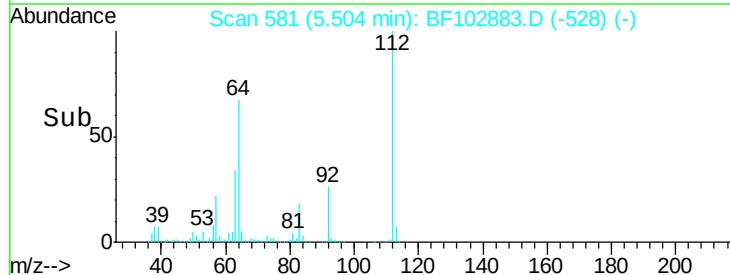
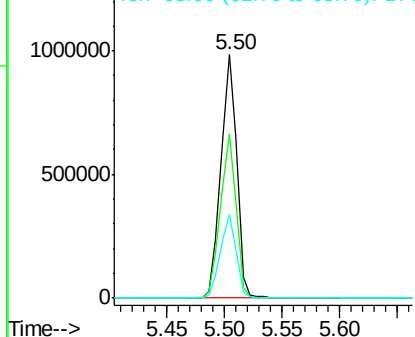
#5

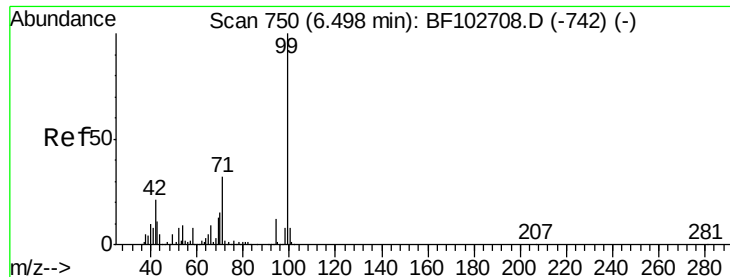
2-Fluorophenol
Concen: 90.623 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF102883.D
Acq: 9 Feb 2018 12:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.4	47.9	71.9
63	34.2	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: 87.667 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF102883.D

Acq: 9 Feb 2018 12:44

Instrument :

BNA_F

ClientSampleId :

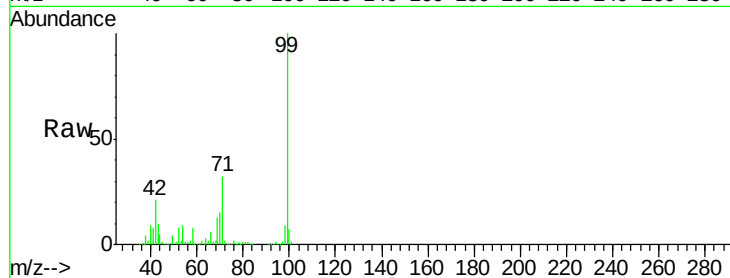
Tot Ion: 99 Resp: 1105145

Ion Ratio Lower Upper

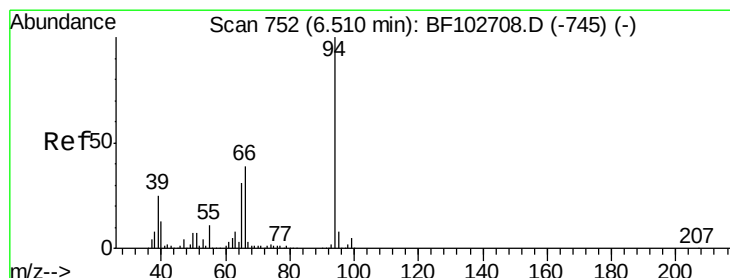
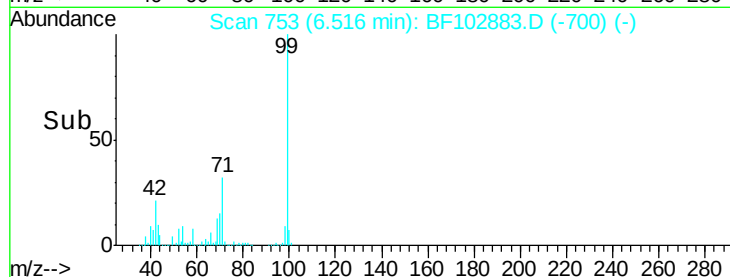
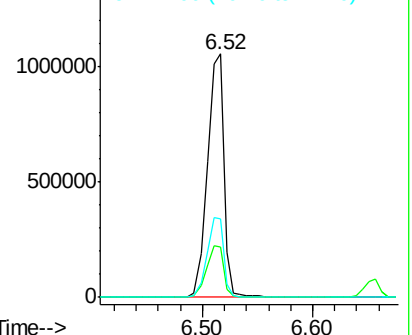
99 100

42 20.7 14.5 21.7

71 32.4 25.4 38.0



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



#10

Phenol

Concen: 6.167 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF102883.D

Acq: 9 Feb 2018 12:44

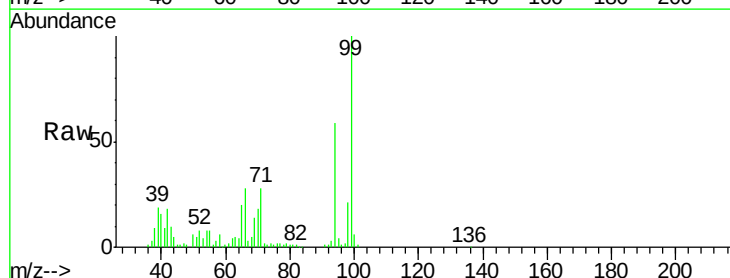
Tgt Ion: 94 Resp: 83313

Ion Ratio Lower Upper

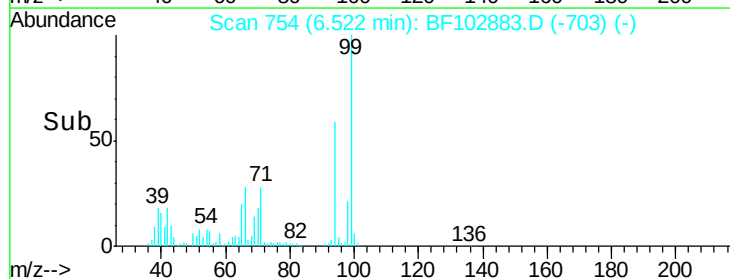
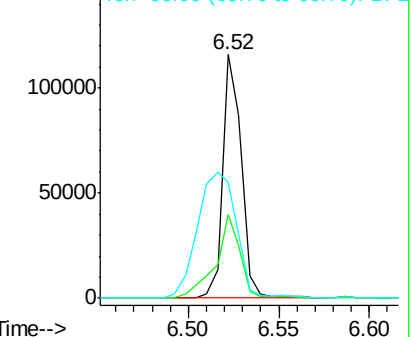
94 100

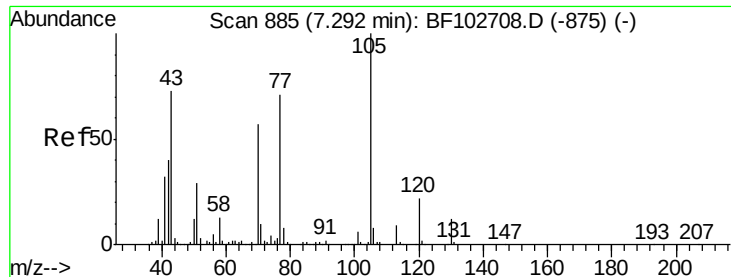
65 34.1 7.9 47.9

66 47.6 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 11.960 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF102883.D

Acq: 9 Feb 2018 12:44

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 99408

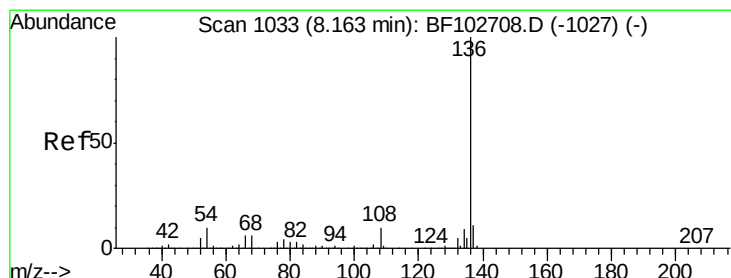
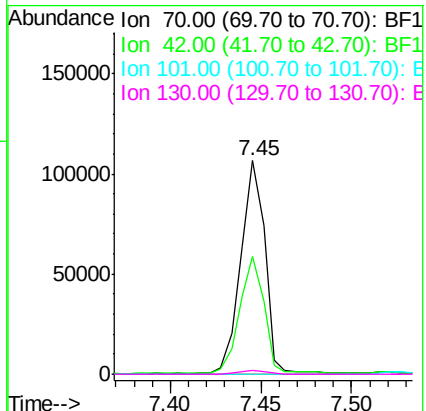
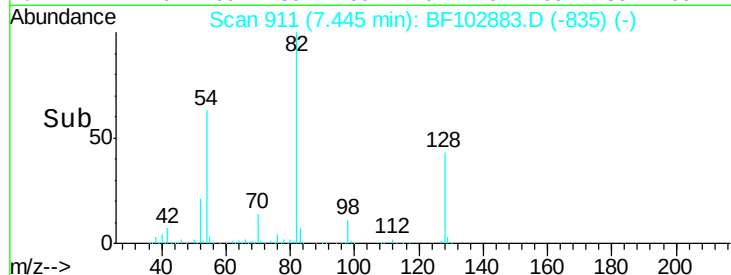
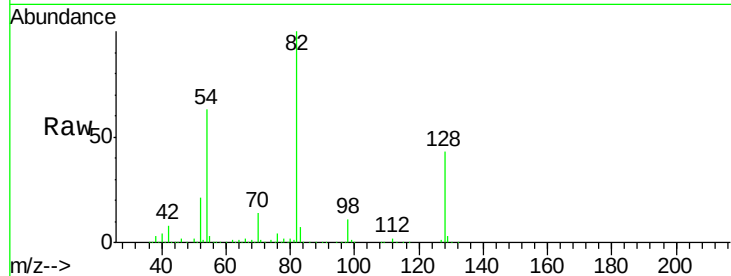
Ion Ratio Lower Upper

70 100

42 55.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BF102883.D

Acq: 9 Feb 2018 12:44

Tgt Ion:136 Resp: 617749

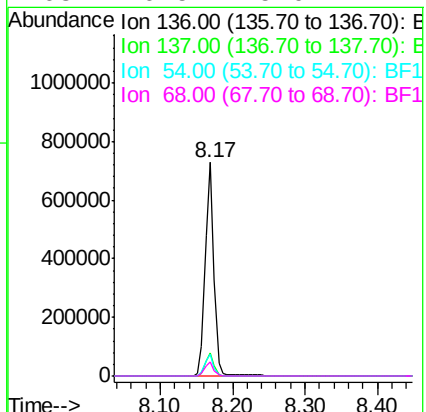
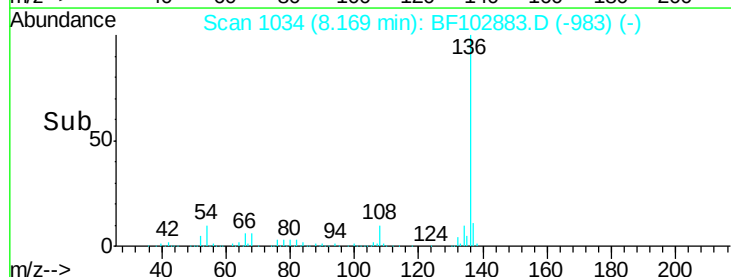
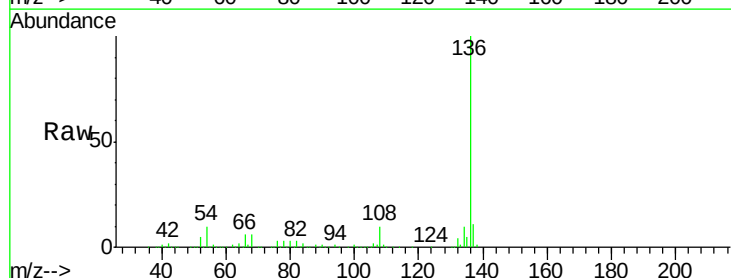
Ion Ratio Lower Upper

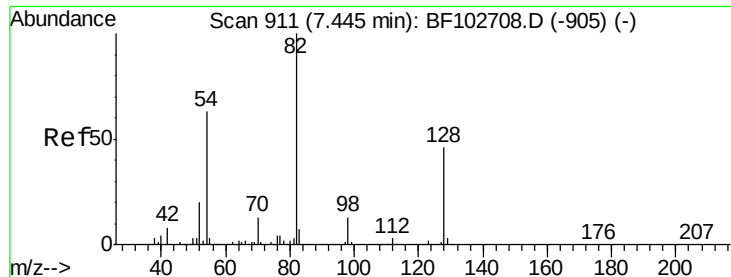
136 100

137 10.9 8.9 13.3

54 10.1 6.6 9.8#

68 6.5 5.0 7.4

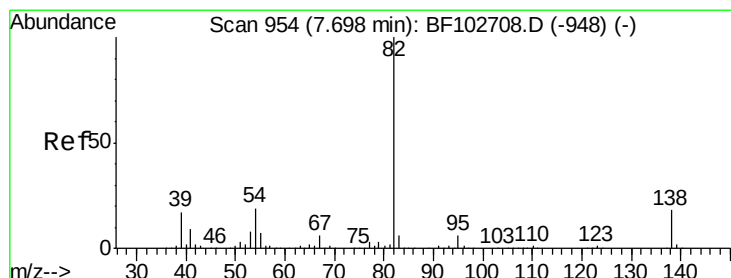
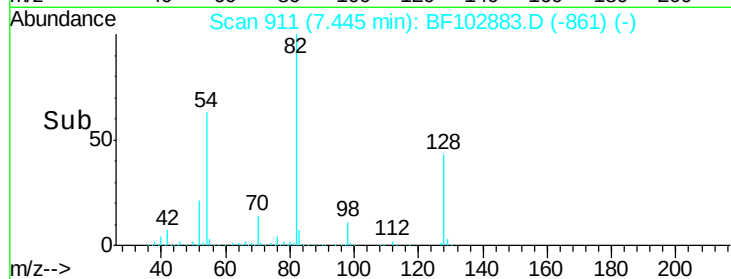
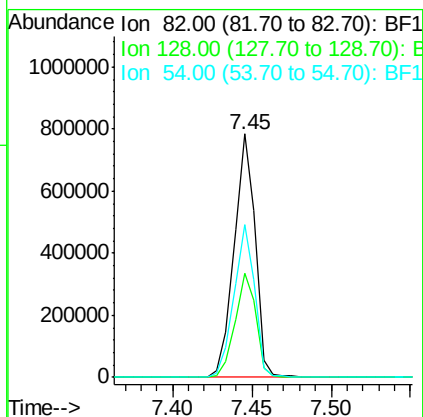
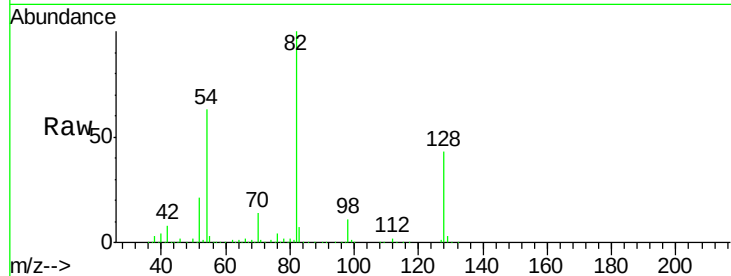




#23
Nitrobenzene-d5
Concen: 81.362 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF102883.D
Acq: 9 Feb 2018 12:44

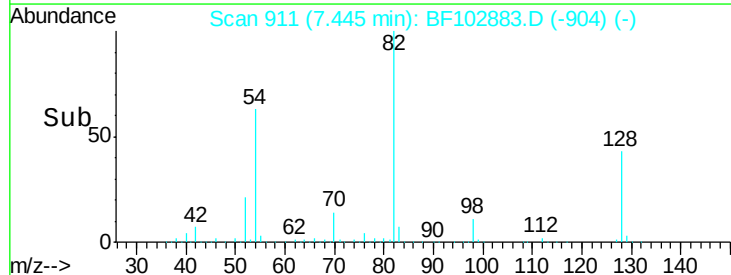
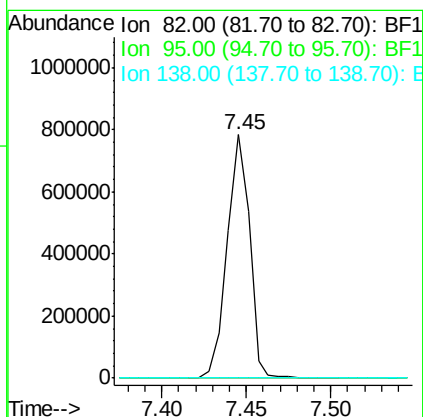
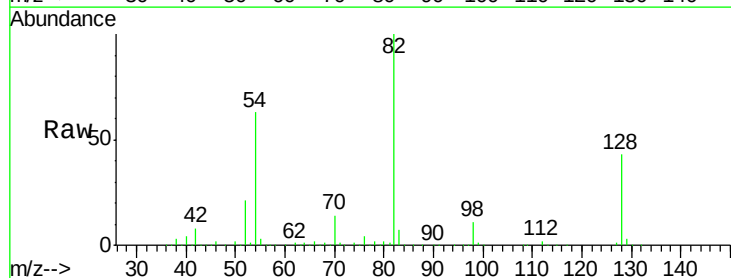
Instrument :
BNA_F
ClientSampled :

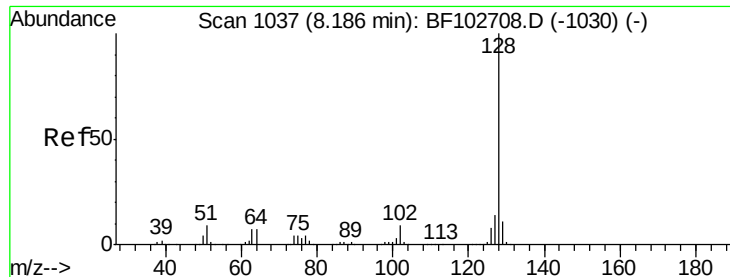
Tot Ion	82	Resp	724537
Ion Ratio	100	Lower	Upper
128	42.9	36.1	54.1
54	62.9	41.4	62.2#



#25
Isophorone
Concen: 35.333 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.26 min
Lab File: BF102883.D
Acq: 9 Feb 2018 12:44

Tgt Ion	82	Resp	724520
Ion Ratio	100	Lower	Upper
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

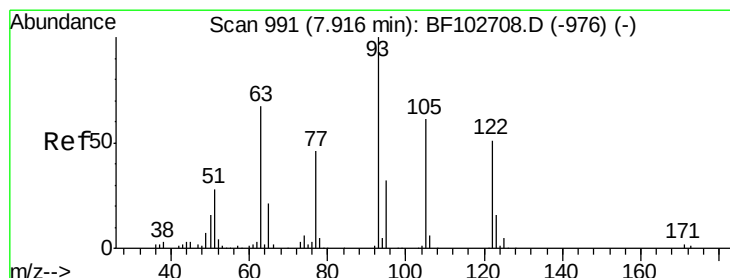
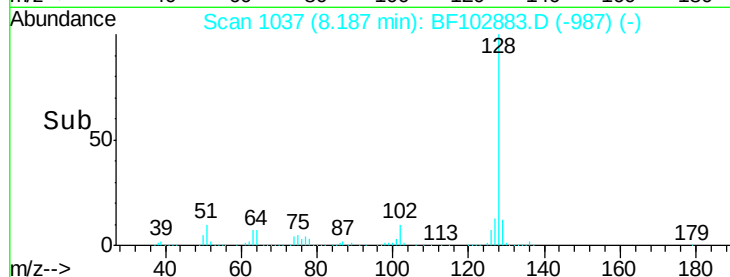
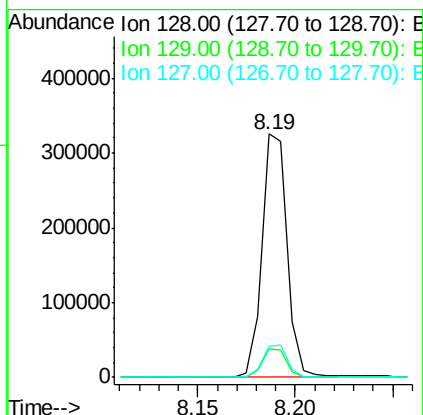
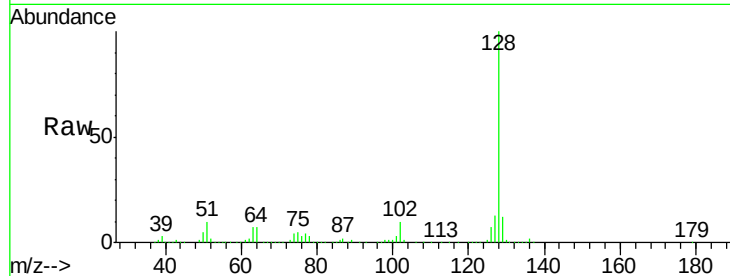




#31
Naphthalene
Concen: 9.577 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF102883.D
Acq: 9 Feb 2018 12:44

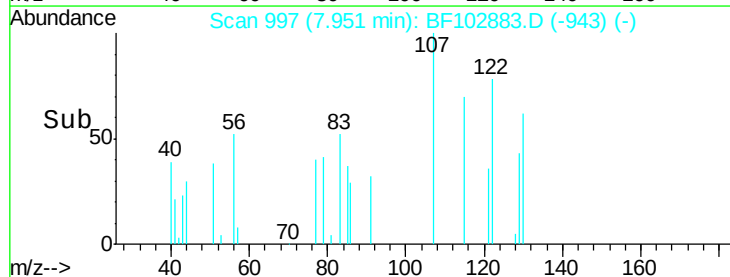
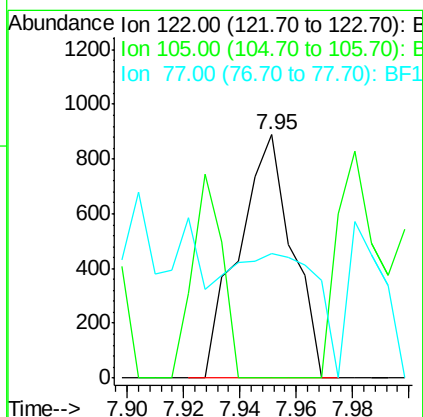
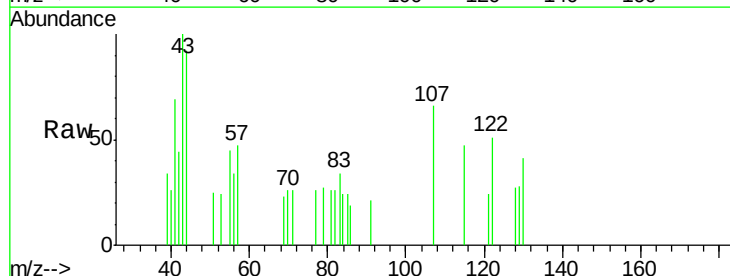
Instrument :
BNA_F
ClientSampleId :

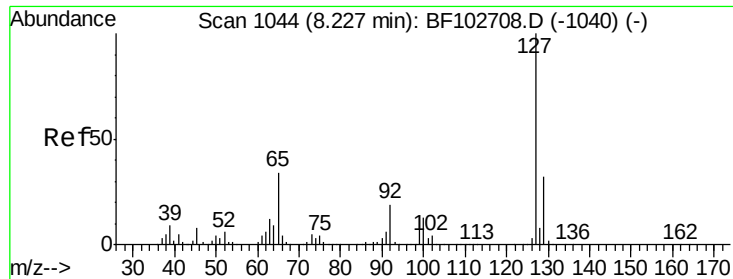
Tot Ion:128 Resp: 289048
Ion Ratio Lower Upper
128 100
129 11.5 8.8 13.2
127 13.0 10.9 16.3



#32
Benzoic acid
Concen: 8.726 ng
RT: 7.95 min Scan# 997
Delta R.T. 0.02 min
Lab File: BF102883.D
Acq: 9 Feb 2018 12:44

Tgt Ion:122 Resp: 1158
Ion Ratio Lower Upper
122 100
105 0.0 101.1 141.1#
77 51.0 70.7 110.7#

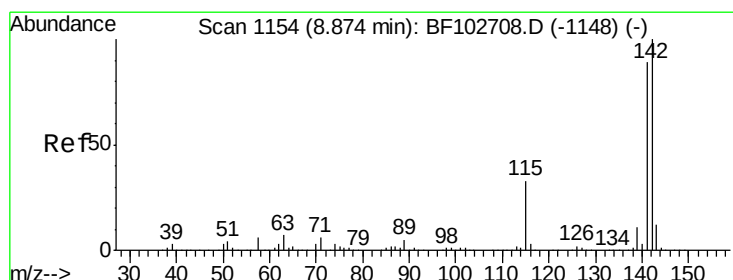
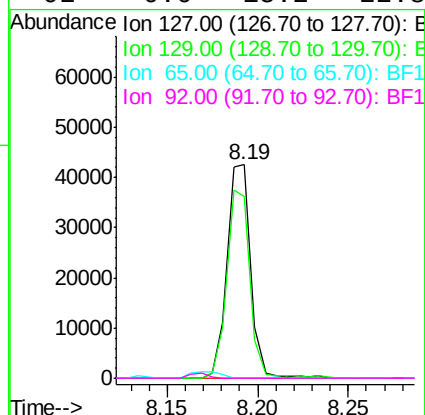
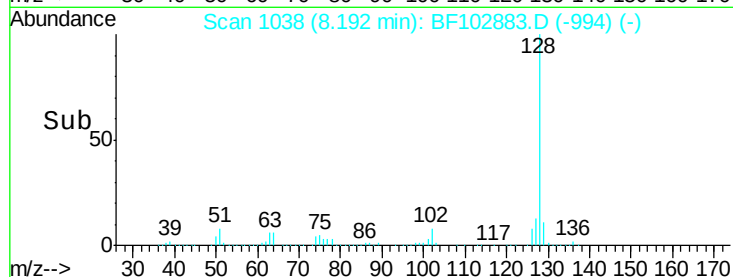
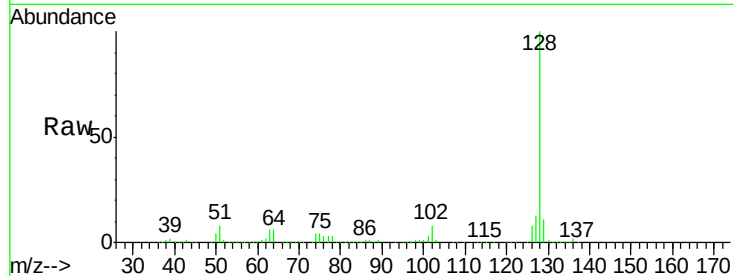




#33
4-Chloroaniline
Concen: 2.987 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.04 min
Lab File: BF102883.D
Acq: 9 Feb 2018 12:44

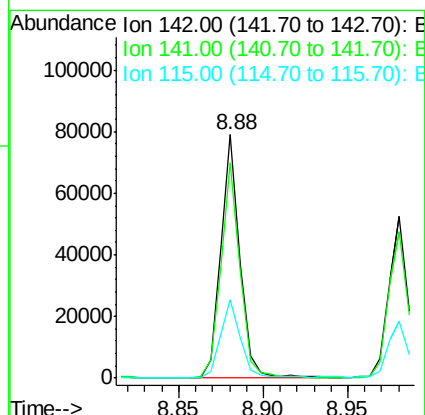
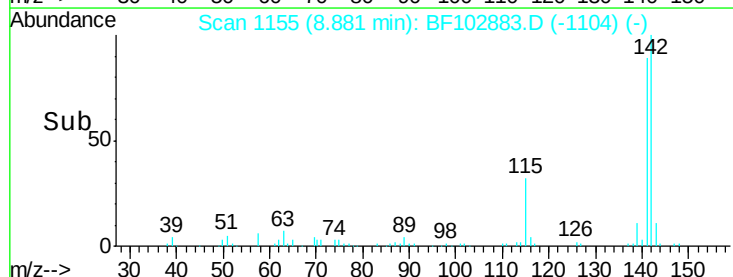
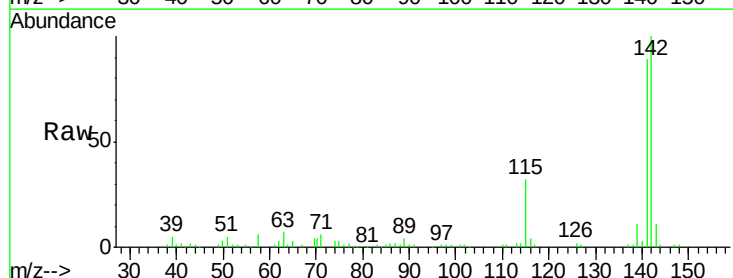
Instrument :
BNA_F
ClientSampleId :

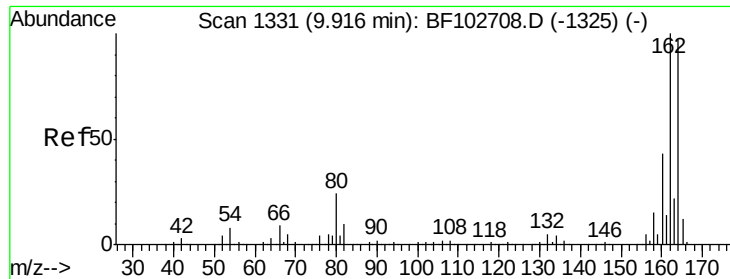
Tot Ion:127 Resp: 38842
Ion Ratio Lower Upper
127 100
129 85.1 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#



#37
2-Methylnaphthalene
Concen: 3.188 ng
RT: 8.88 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BF102883.D
Acq: 9 Feb 2018 12:44

Tgt Ion:142 Resp: 62993
Ion Ratio Lower Upper
142 100
141 88.7 70.8 106.2
115 32.1 26.1 39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1333

Delta R.T. 0.01 min

Lab File: BF102883.D

Acq: 9 Feb 2018 12:44

Instrument :

BNA_F

ClientSampleId :

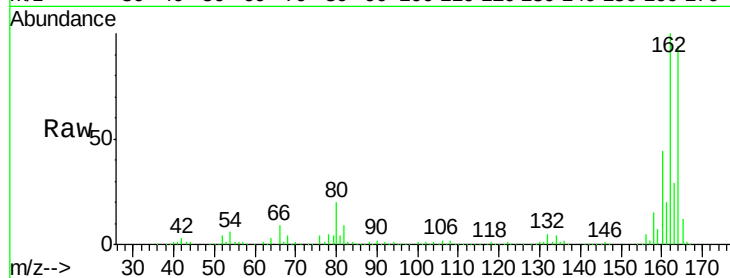
Tot Ion:164 Resp: 256104

Ion Ratio Lower Upper

164 100

162 106.1 86.1 129.1

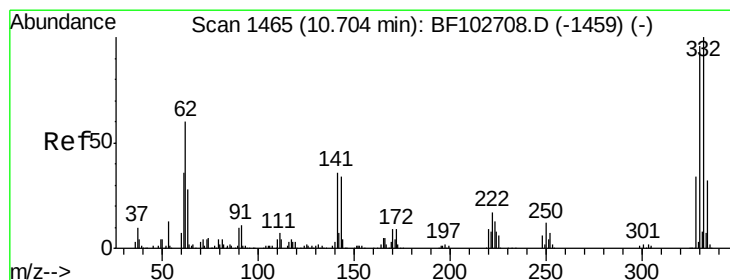
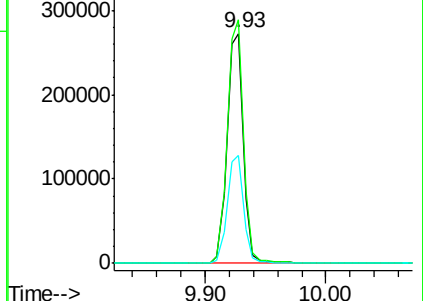
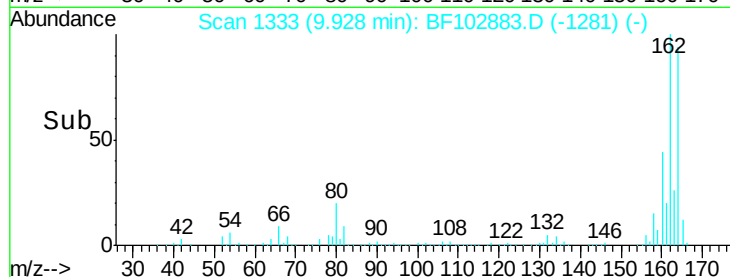
160 47.0 38.3 57.5



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: 90.611 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.01 min

Lab File: BF102883.D

Acq: 9 Feb 2018 12:44

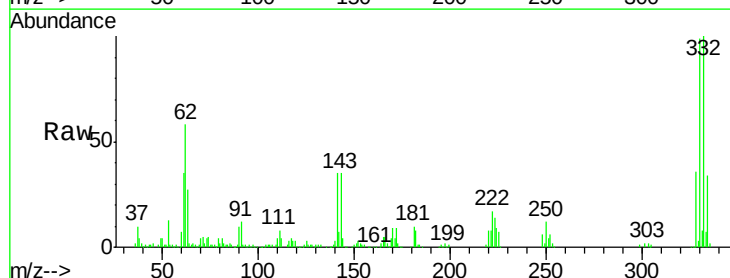
Tgt Ion:330 Resp: 186779

Ion Ratio Lower Upper

330 100

332 104.2 77.0 115.6

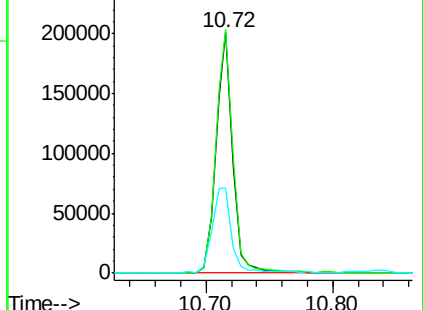
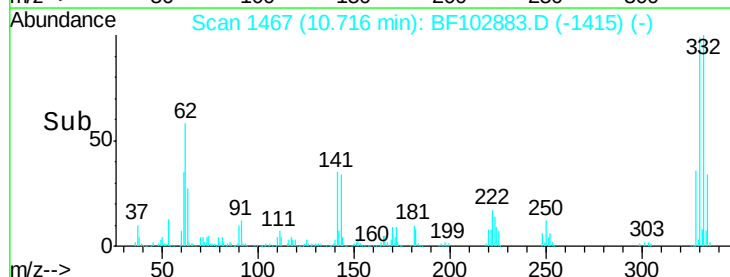
141 40.6 29.9 44.9

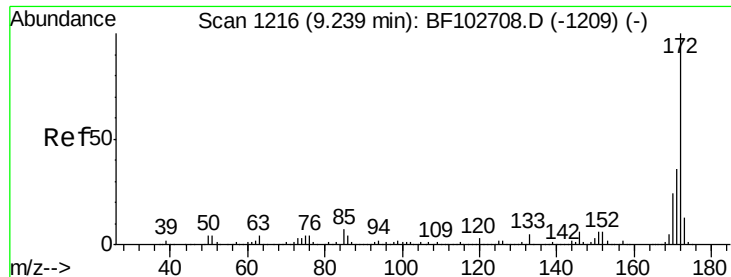


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

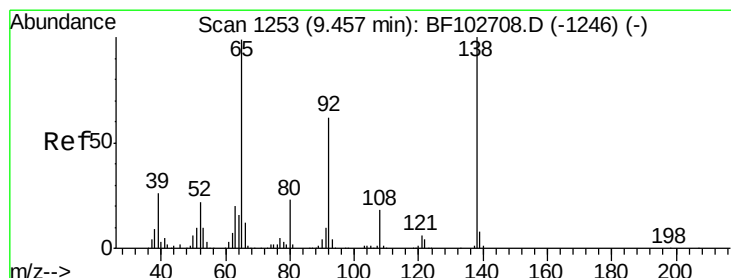
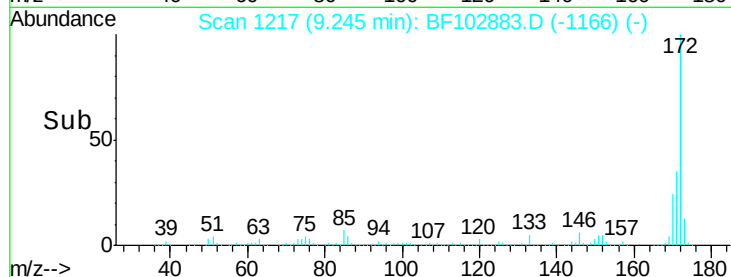
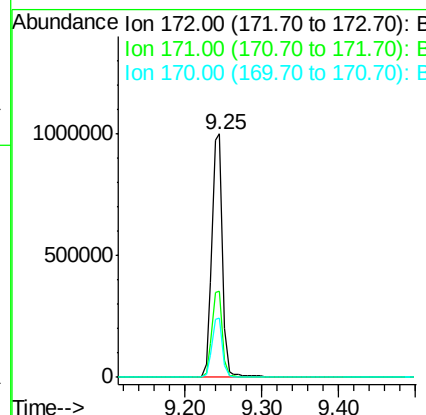
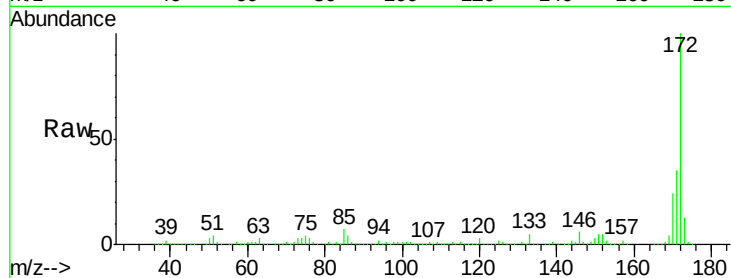




#44
 2-Fluorobiphenyl
 Concen: 62.581 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: BF102883.D
 Acq: 9 Feb 2018 12:44

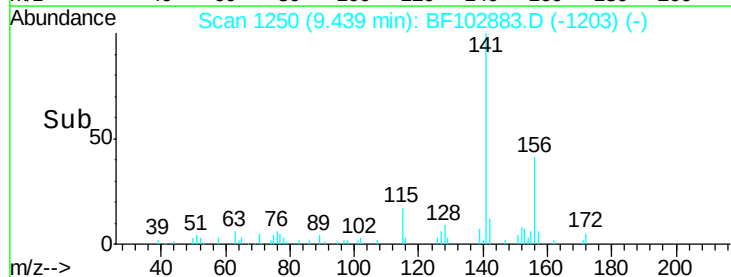
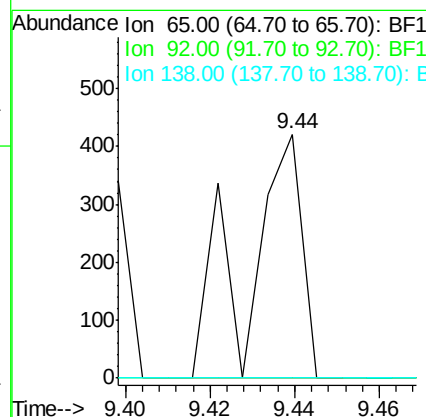
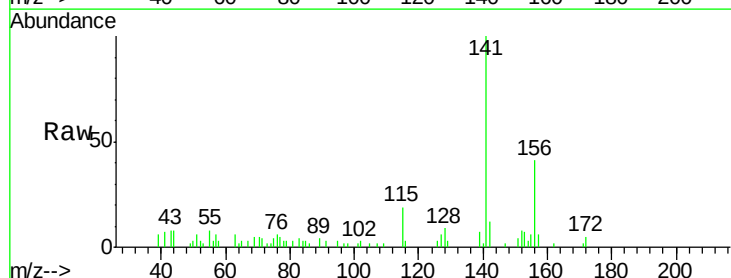
Instrument :
 BNA_F
 ClientSampleId :

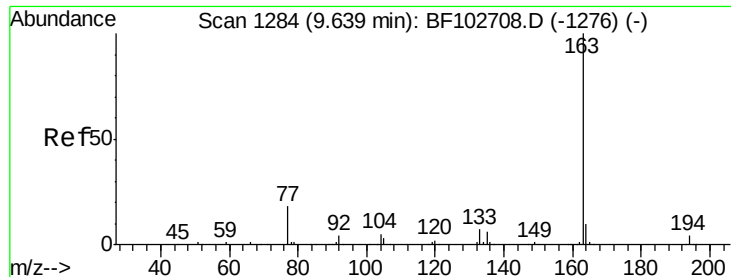
Tot Ion:172 Resp: 965879
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.7 44.5
 170 24.4 19.6 29.4



#47
 2-Nitroaniline
 Concen: 3.539 ng
 RT: 9.44 min Scan# 1250
 Delta R.T. -0.02 min
 Lab File: BF102883.D
 Acq: 9 Feb 2018 12:44

Tgt Ion: 65 Resp: 379
 Ion Ratio Lower Upper
 65 100
 92 0.0 55.8 83.6#
 138 0.0 91.2 136.8#





#49

Dimethylphthalate

Concen: 4.622 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF102883.D

Acq: 9 Feb 2018 12:44

Instrument :
BNA_F
ClientSampleId :

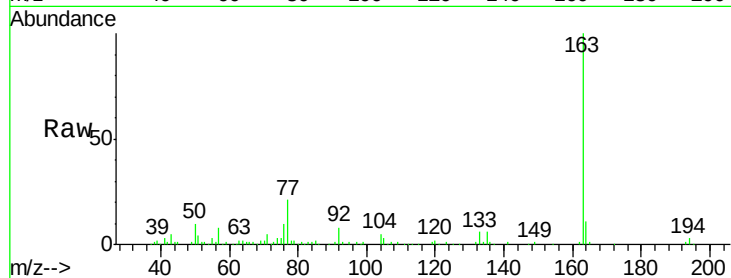
Tot Ion:163 Resp: 92302

Ion Ratio Lower Upper

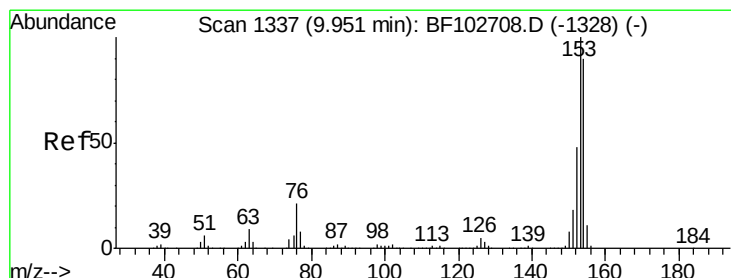
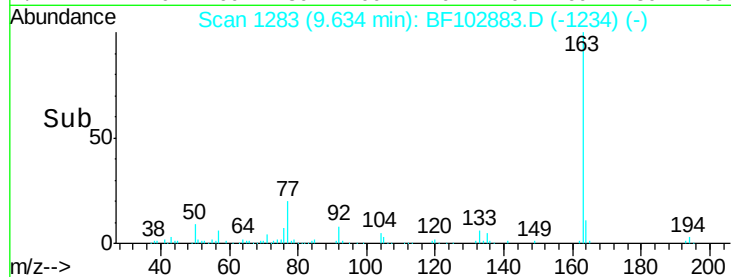
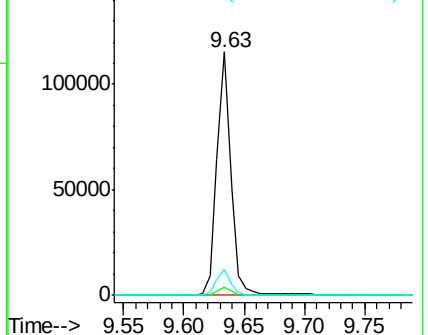
163 100

194 3.3 2.7 4.1

164 10.6 8.2 12.2



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



#51

Acenaphthene

Concen: 4.387 ng

RT: 9.96 min Scan# 1338

Delta R.T. 0.00 min

Lab File: BF102883.D

Acq: 9 Feb 2018 12:44

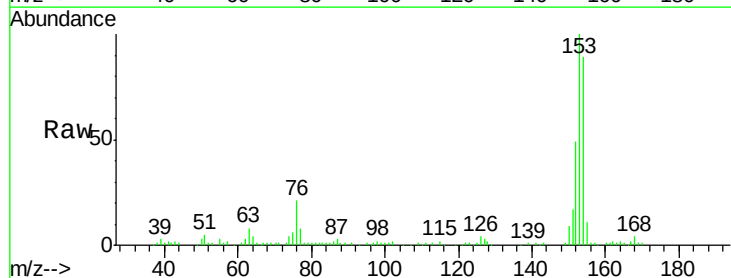
Tgt Ion:154 Resp: 69198

Ion Ratio Lower Upper

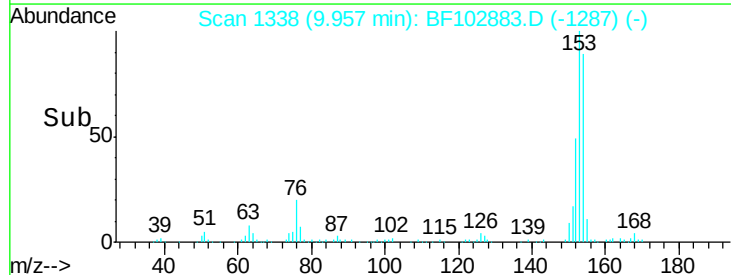
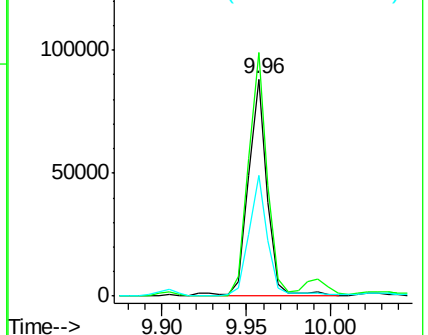
154 100

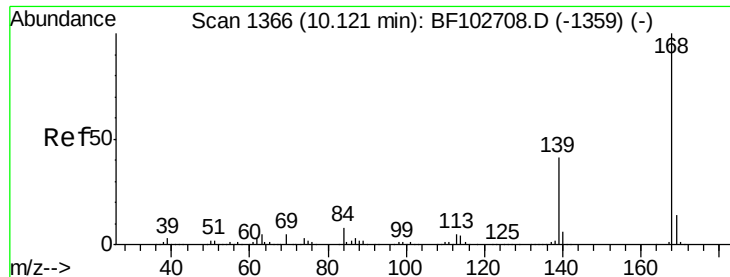
153 112.2 91.2 136.8

152 55.5 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





#54

Dibenzenofuran

Concen: 3.755 ng

RT: 10.13 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BF102883.D

Acq: 9 Feb 2018 12:44

Instrument :

BNA_F

ClientSampleId :

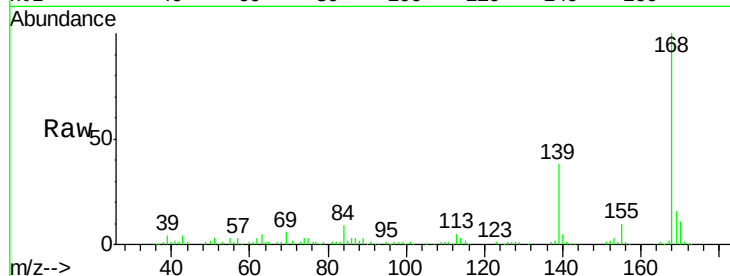
Tot Ion:168 Resp: 83474

Ion Ratio Lower Upper

168 100

139 37.9 30.1 45.1

169 16.0 10.9 16.3

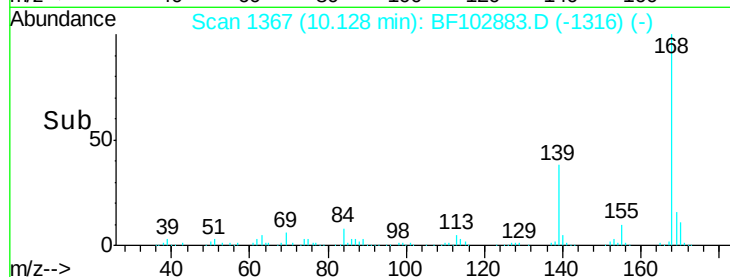


Abundance Ion 168.00 (167.70 to 168.70): E

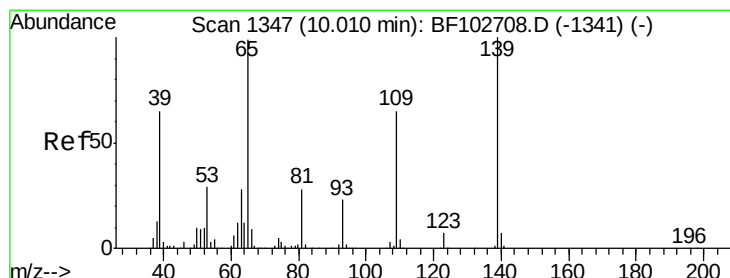
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

Time-->



Time-->



#55

4-Nitrophenol

Concen: 4.318 ng

RT: 10.02 min Scan# 1349

Delta R.T. 0.00 min

Lab File: BF102883.D

Acq: 9 Feb 2018 12:44

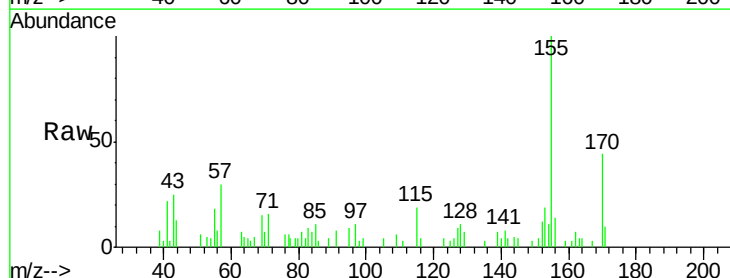
Tgt Ion:139 Resp: 1189

Ion Ratio Lower Upper

139 100

109 78.2 48.4 88.4

65 56.3 72.6 112.6#

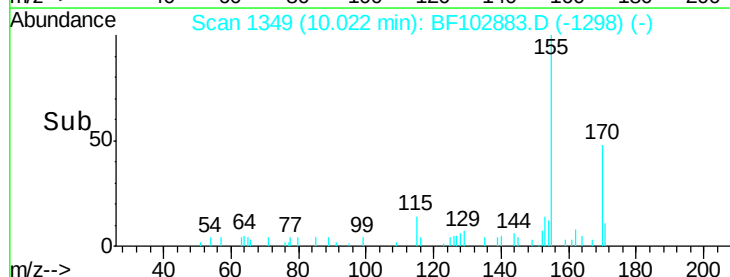


Abundance Ion 139.00 (138.70 to 139.70): E

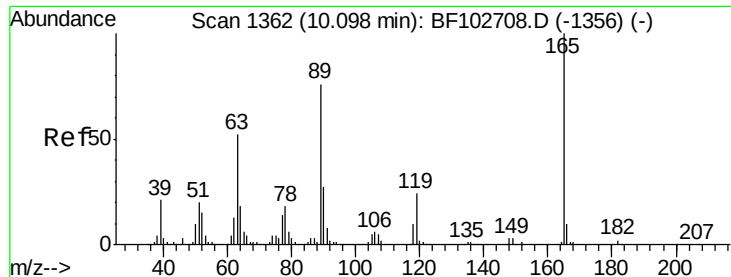
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

Time-->



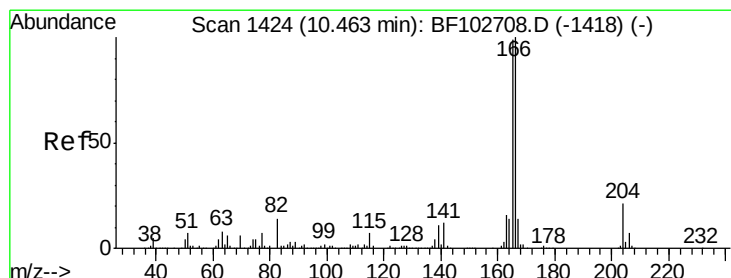
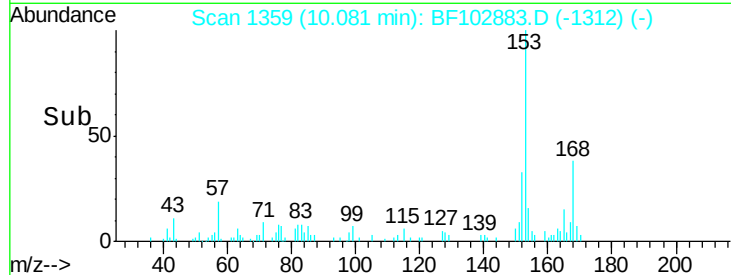
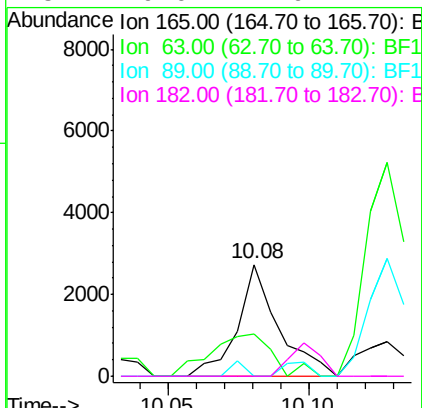
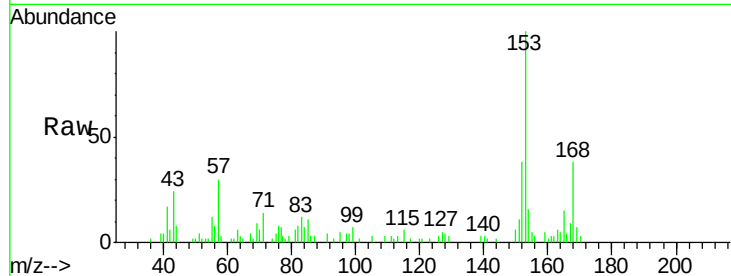
Time-->



#56
 2,4-Dinitrotoluene
 Concen: 3.583 ng
 RT: 10.08 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: BF102883.D
 Acq: 9 Feb 2018 12:44

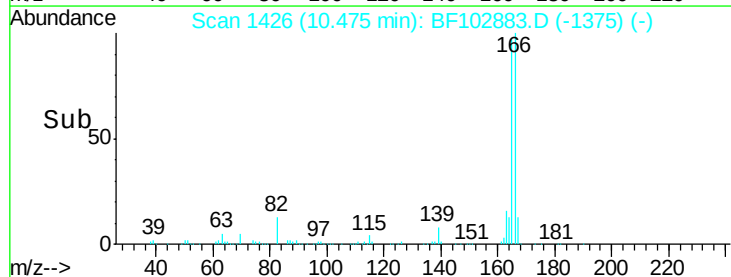
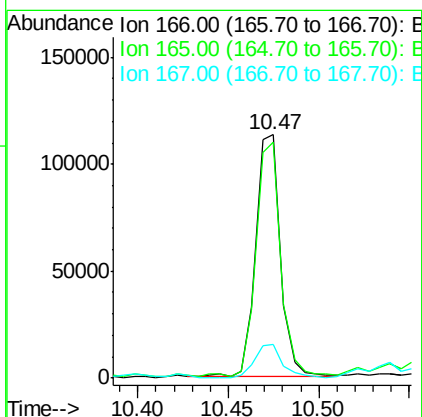
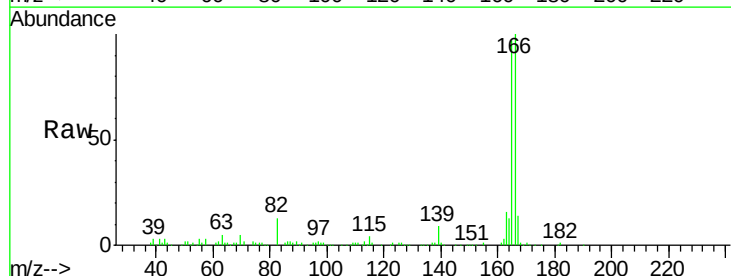
Instrument :
 BNA_F
 ClientSampleId :

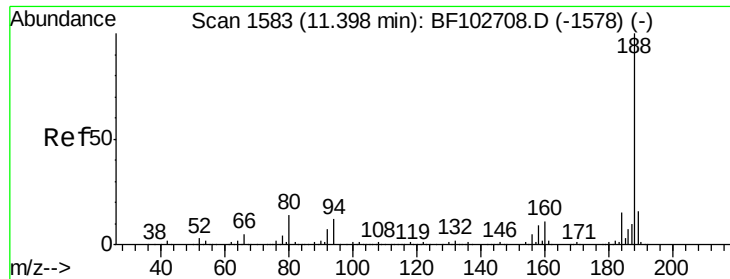
Tot Ion:	165	Resp:	2761
Ion	Ratio	Lower	Upper
165	100		
63	37.7	36.4	54.6
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#57
 Fluorene
 Concen: 6.638 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. 0.00 min
 Lab File: BF102883.D
 Acq: 9 Feb 2018 12:44

Tgt Ion:	166	Resp:	107367
Ion	Ratio	Lower	Upper
166	100		
165	97.0	79.8	119.8
167	13.9	10.6	16.0

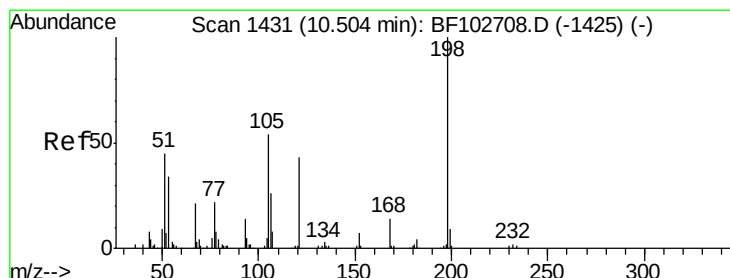
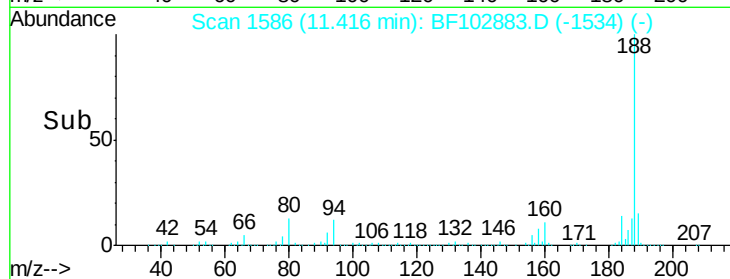
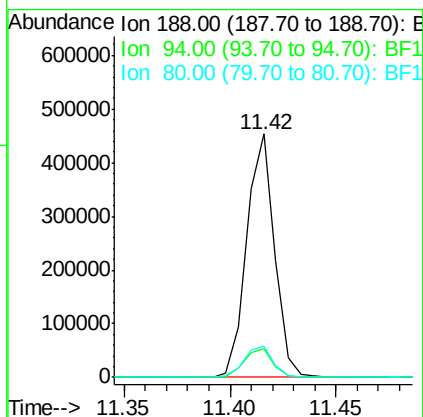
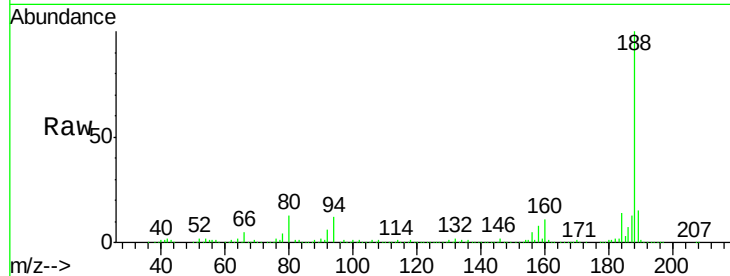




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.01 min
Lab File: BF102883.D
Acq: 9 Feb 2018 12:44

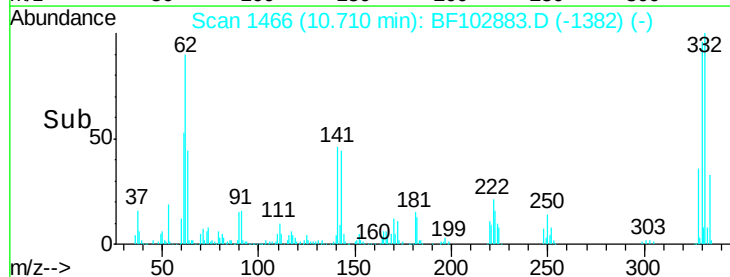
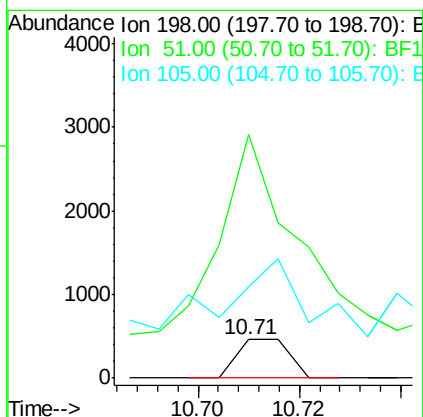
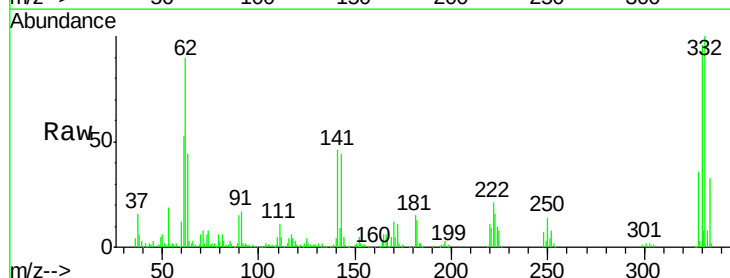
Instrument :
BNA_F
ClientSampleId :

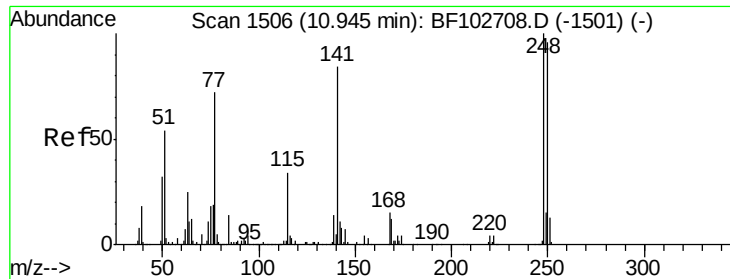
Tot Ion:188 Resp: 414371
Ion Ratio Lower Upper
188 100
94 11.7 8.5 12.7
80 12.7 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 8.966 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.19 min
Lab File: BF102883.D
Acq: 9 Feb 2018 12:44

Tgt Ion:198 Resp: 325
Ion Ratio Lower Upper
198 100
51 126.7 37.7 77.7#
105 47.3 36.3 76.3

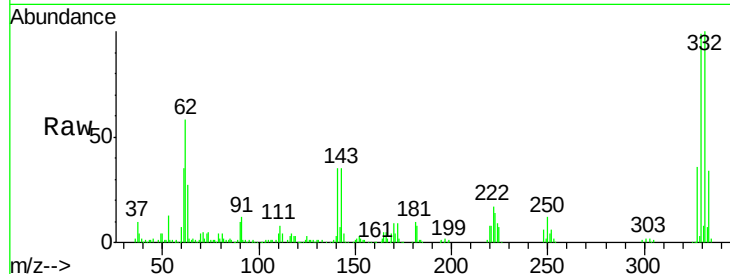




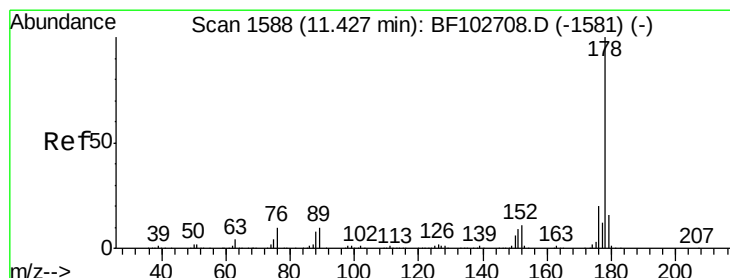
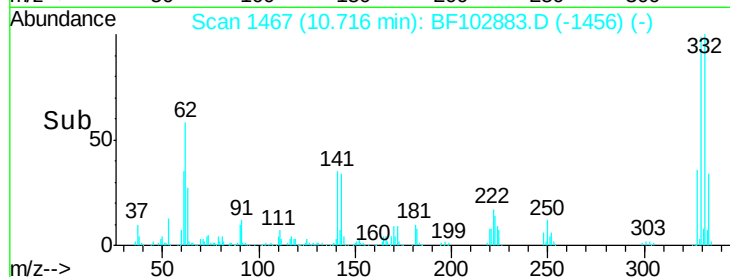
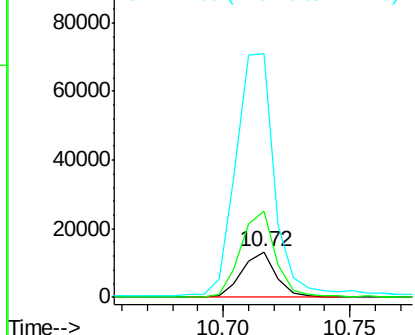
#66
 4-Bromophenyl-phenylether
 Concen: 2.855 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.24 min
 Lab File: BF102883.D
 Acq: 9 Feb 2018 12:44

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 12516
 Ion Ratio Lower Upper
 248 100
 250 190.3 76.9 115.3#
 141 537.0 74.4 111.6#

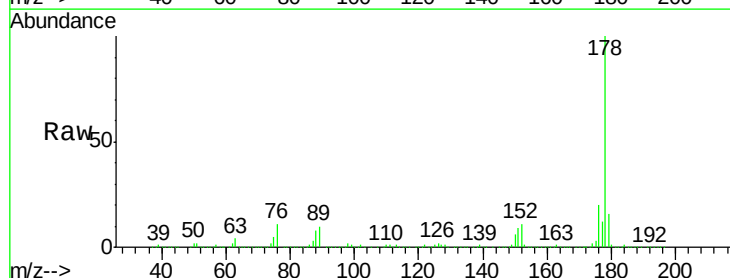


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

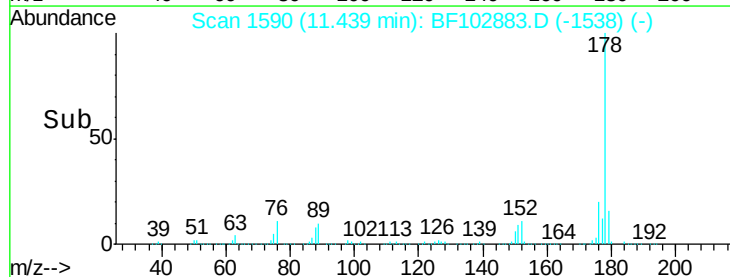
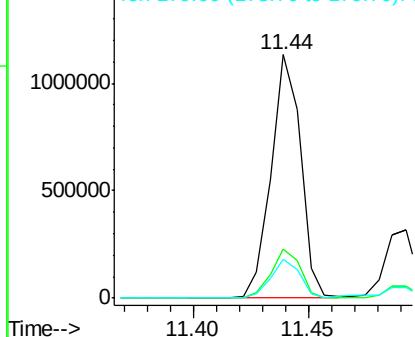


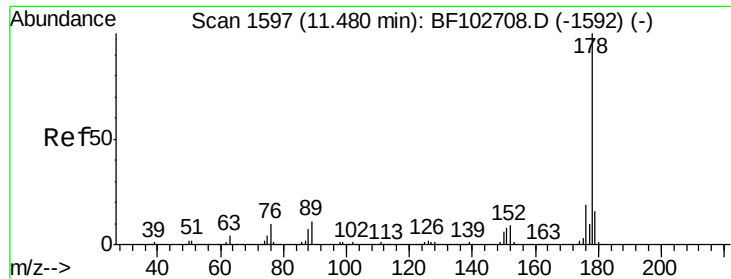
#70
 Phenanthrene
 Concen: 43.674 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: BF102883.D
 Acq: 9 Feb 2018 12:44

Tgt Ion:178 Resp: 1007890
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.8 23.8
 179 15.8 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

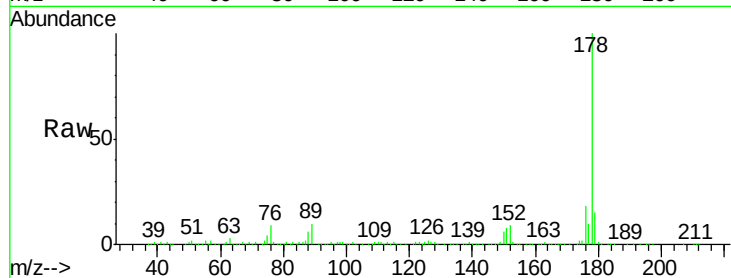




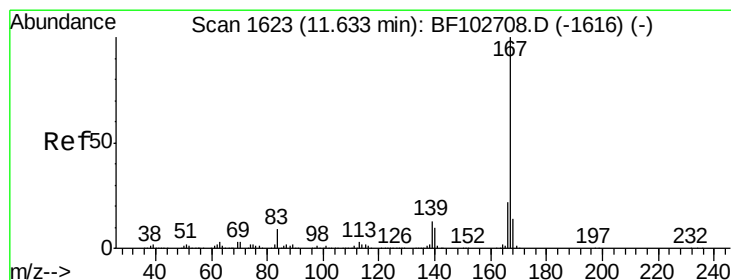
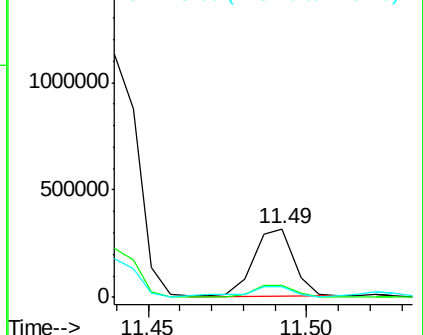
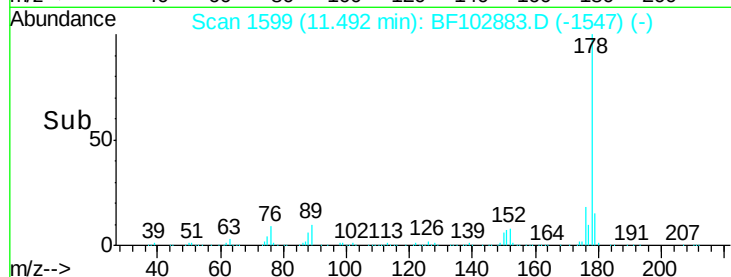
#71
 Anthracene
 Concen: 11.899 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. 0.01 min
 Lab File: BF102883.D
 Acq: 9 Feb 2018 12:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 279297
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.4 23.2
 179 14.9 12.6 19.0

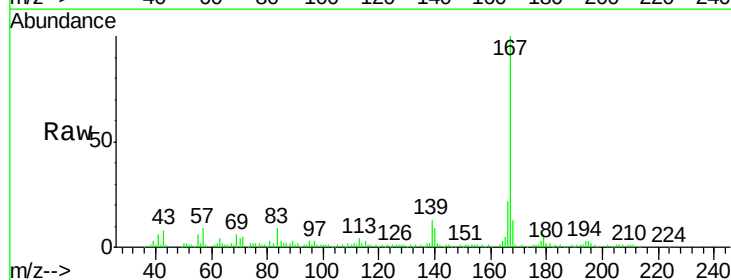


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

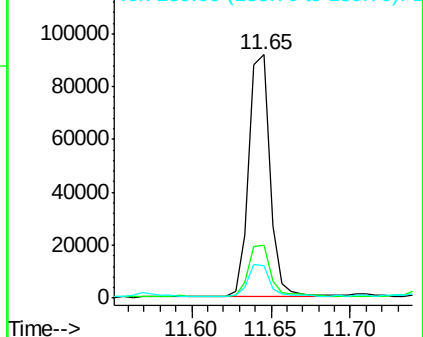
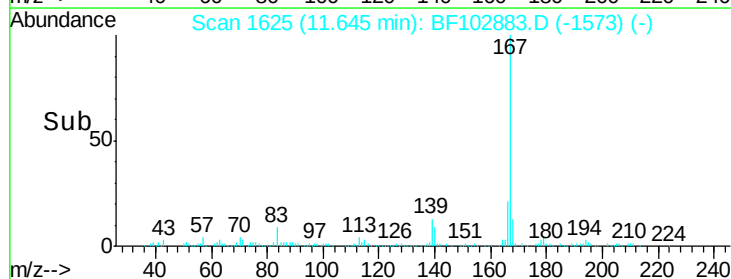


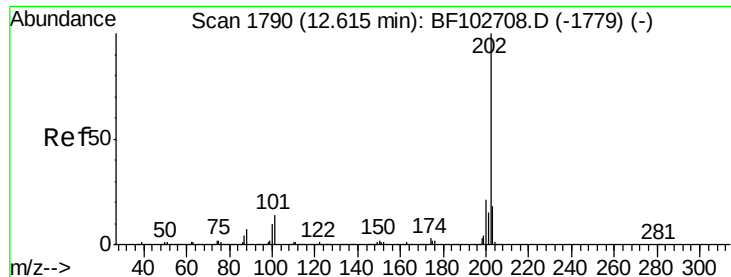
#72
 Carbazole
 Concen: 3.726 ng
 RT: 11.65 min Scan# 1625
 Delta R.T. 0.01 min
 Lab File: BF102883.D
 Acq: 9 Feb 2018 12:44

Tgt Ion:167 Resp: 85687
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.6 26.4
 139 13.2 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

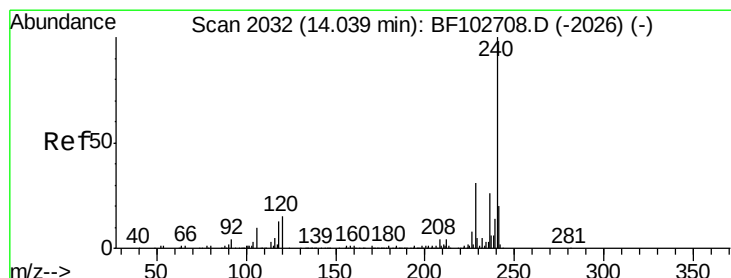
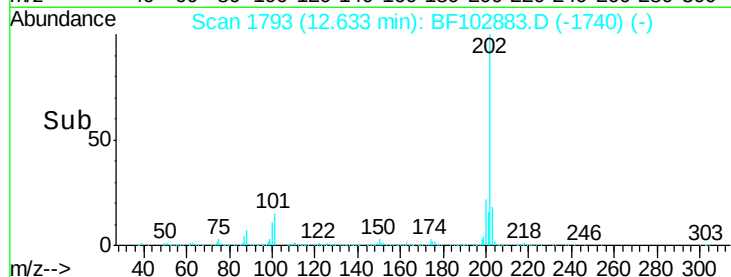
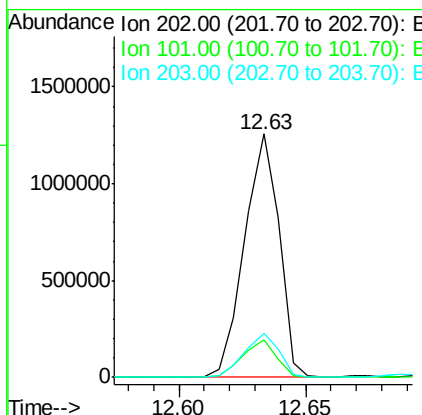
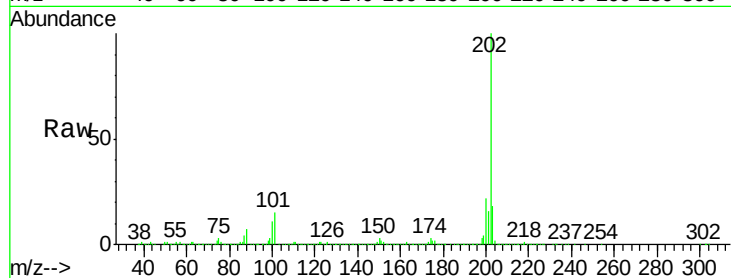




#74
Fluoranthene
Concen: 51.418 ng
RT: 12.63 min Scan# 1793
Delta R.T. 0.01 min
Lab File: BF102883.D
Acq: 9 Feb 2018 12:44

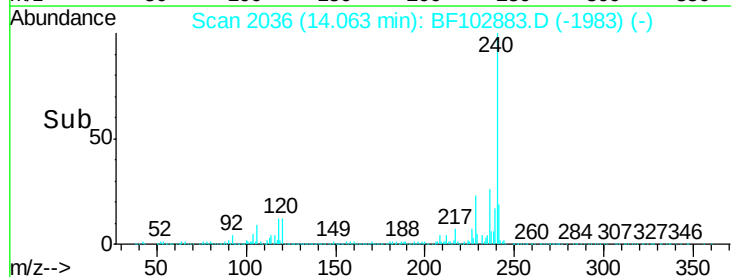
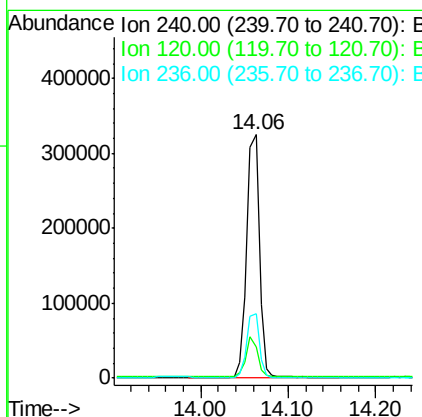
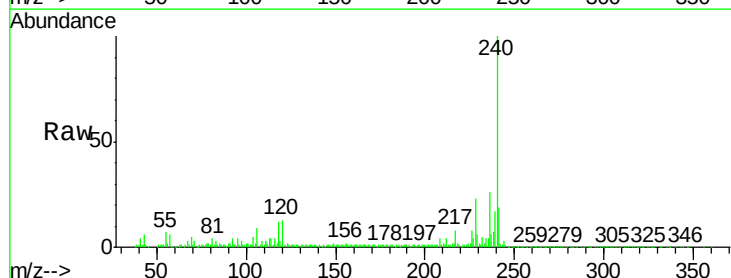
Instrument :
BNA_F
ClientSampleId :

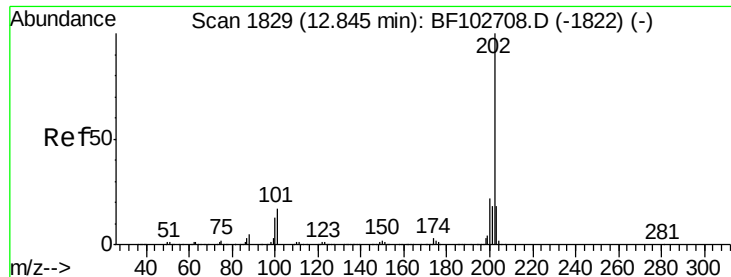
Tot Ion:202 Resp: 1193860
Ion Ratio Lower Upper
202 100
101 15.4 0.0 34.1
203 17.8 0.0 38.1



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2036
Delta R.T. 0.01 min
Lab File: BF102883.D
Acq: 9 Feb 2018 12:44

Tgt Ion:240 Resp: 314426
Ion Ratio Lower Upper
240 100
120 12.9 9.5 14.3
236 26.4 20.7 31.1





#77

Pvrene

Concen: 44.464 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.01 min

Lab File: BF102883.D

Acq: 9 Feb 2018 12:44

Instrument :

BNA_F

ClientSampleId :

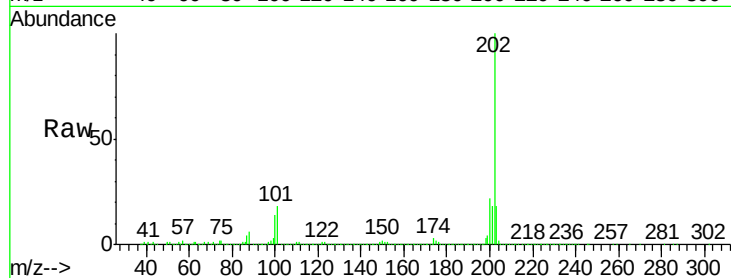
Tot Ion:202 Resp: 1096293

Ion Ratio Lower Upper

202 100

200 22.0 17.4 26.2

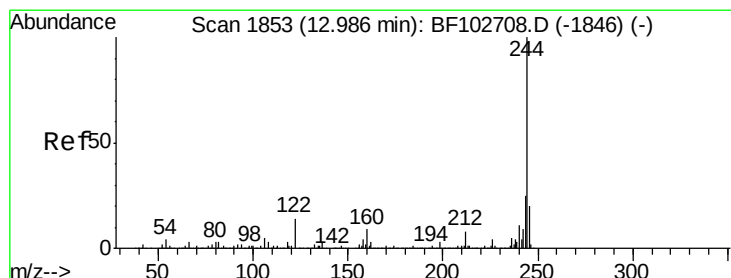
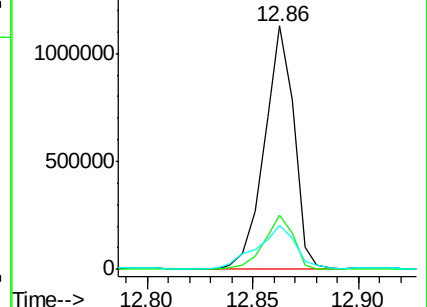
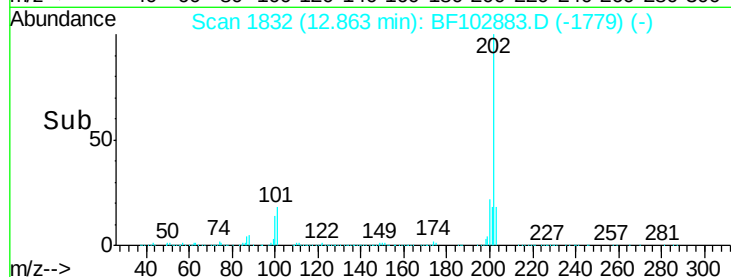
203 18.3 14.3 21.5



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



#78

Terphenyl-d14

Concen: 54.620 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BF102883.D

Acq: 9 Feb 2018 12:44

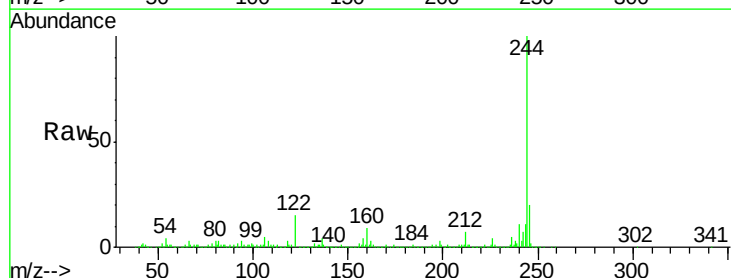
Tgt Ion:244 Resp: 725326

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

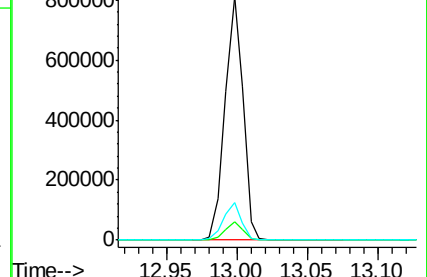
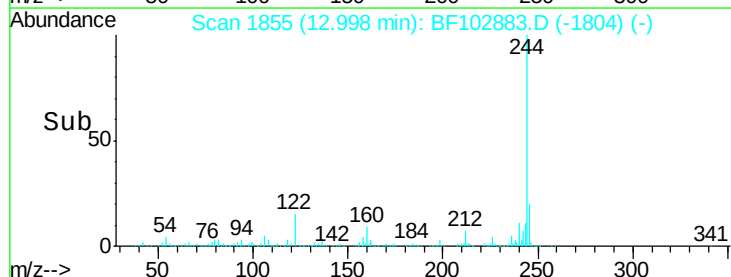
122 15.2 11.0 16.4

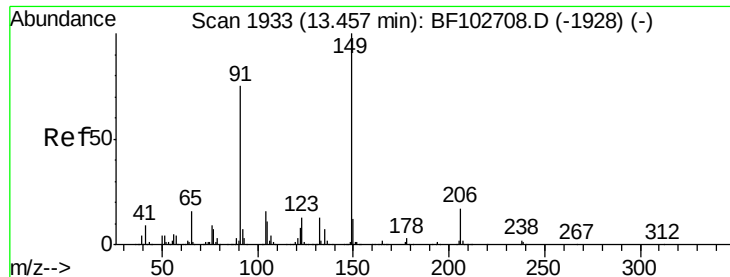


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 2.199 ng

RT: 13.47 min Scan# 1935

Delta R.T. 0.00 min

Lab File: BF102883.D

Acq: 9 Feb 2018 12:44

Instrument :

BNA_F

ClientSampled :

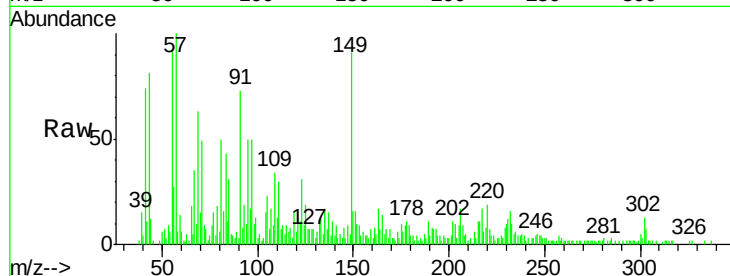
Tot Ion:149 Resp: 14155

Ion Ratio Lower Upper

149 100

91 79.7 56.8 85.2

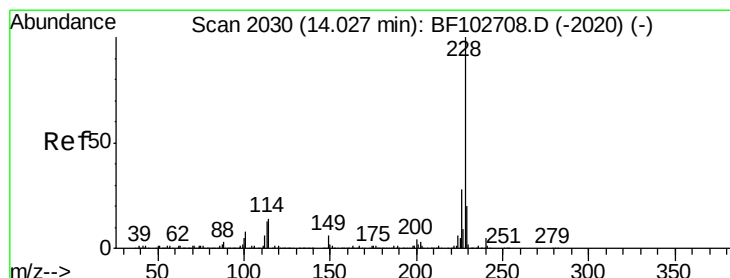
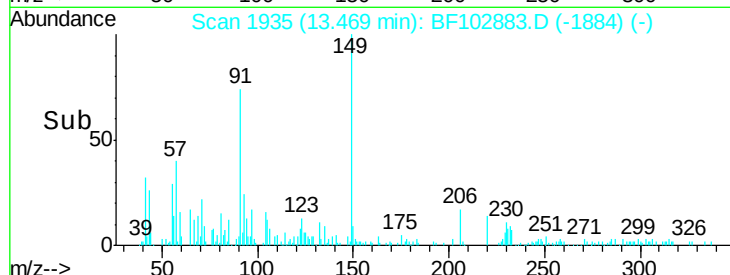
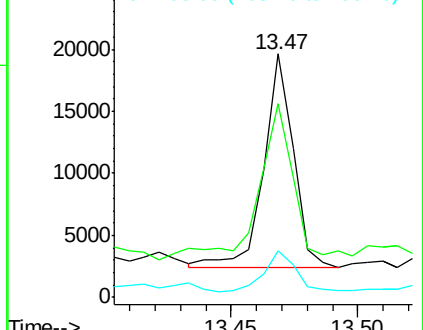
206 19.2 14.1 21.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 26.785 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.01 min

Lab File: BF102883.D

Acq: 9 Feb 2018 12:44

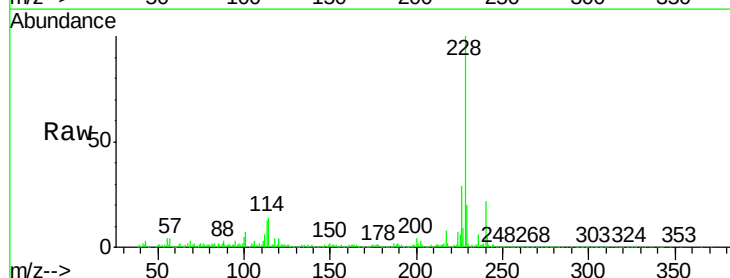
Tgt Ion:228 Resp: 529649

Ion Ratio Lower Upper

228 100

226 29.0 22.6 33.8

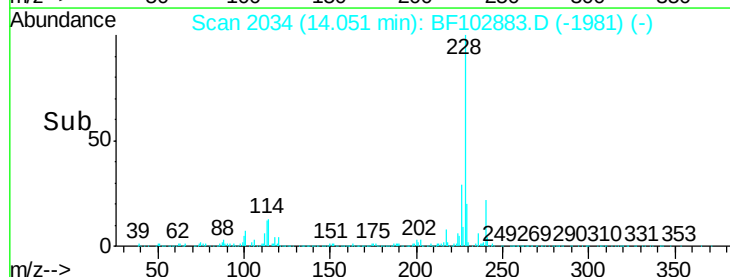
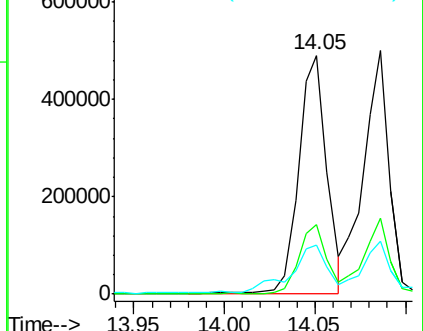
229 20.5 15.8 23.6

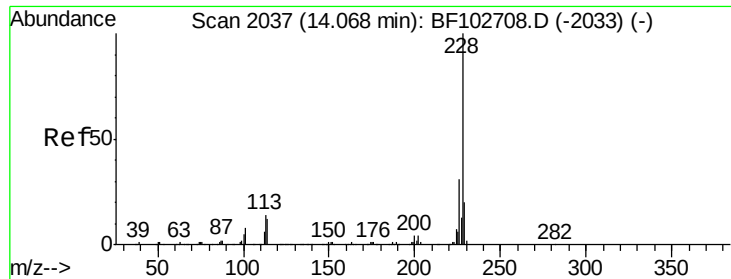


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 24.735 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.01 min

Lab File: BF102883.D

Acq: 9 Feb 2018 12:44

Instrument :

BNA_F

ClientSampleId :

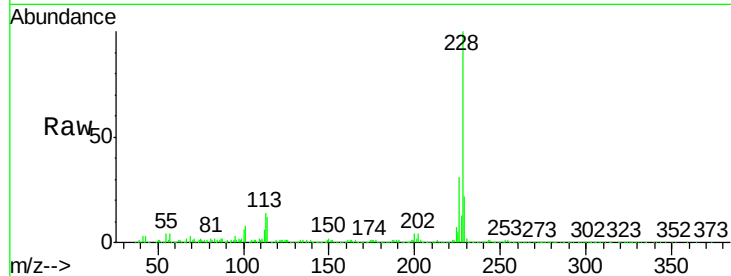
Tot Ion:228 Resp: 493062

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.6

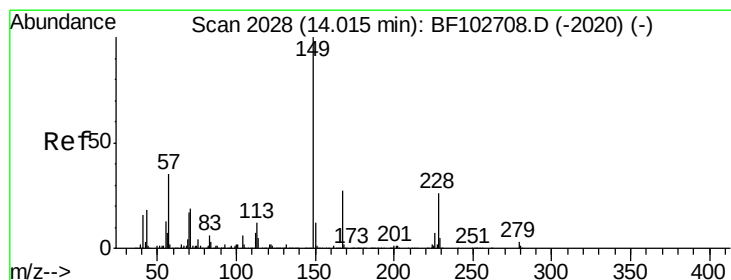
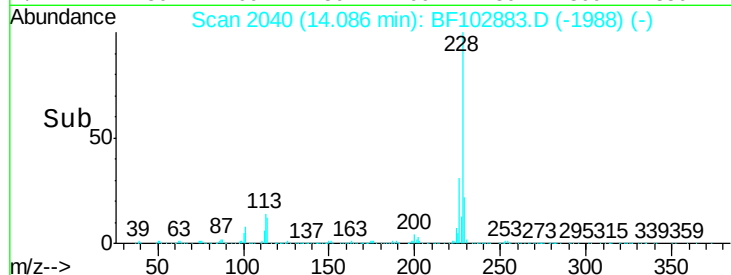
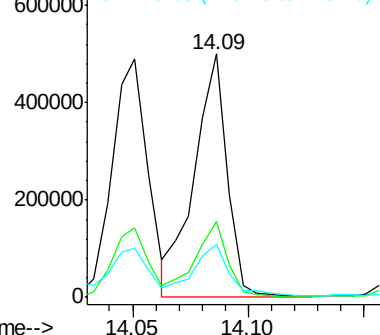
229 22.0 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.825 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.01 min

Lab File: BF102883.D

Acq: 9 Feb 2018 12:44

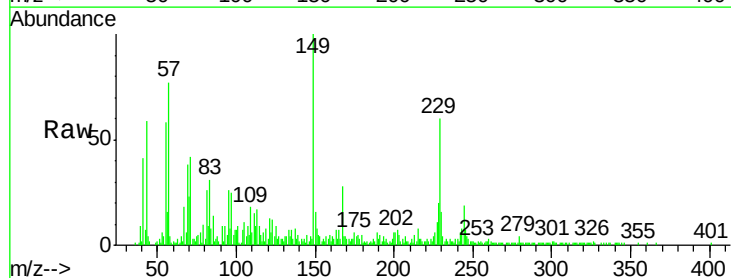
Tgt Ion:149 Resp: 42674

Ion Ratio Lower Upper

149 100

167 28.3 21.3 31.9

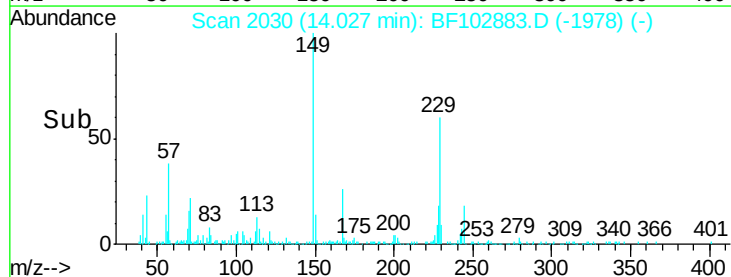
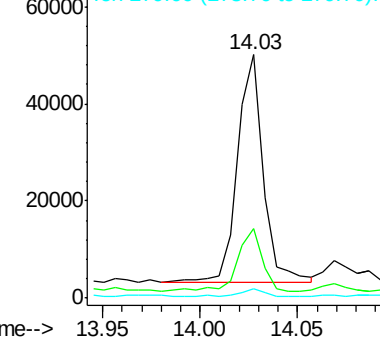
279 4.1 3.0 4.4

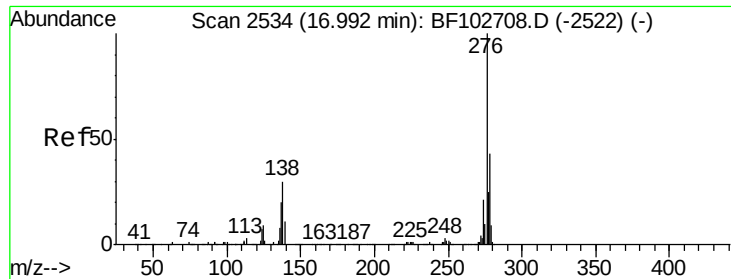


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

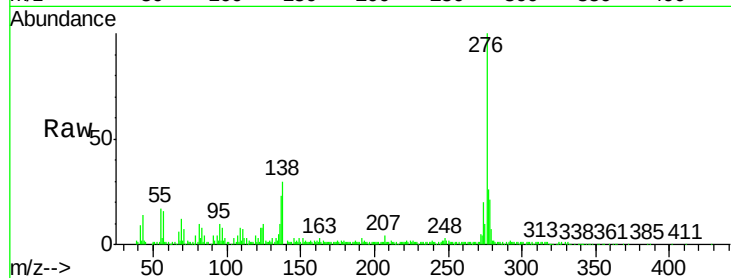




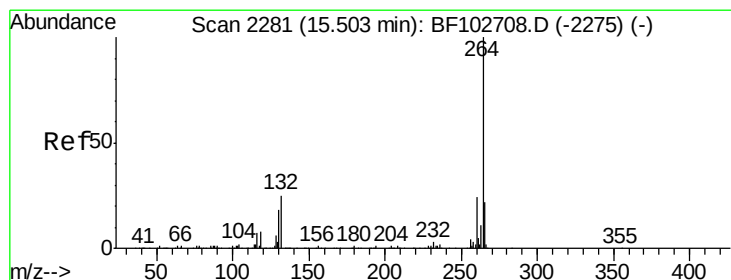
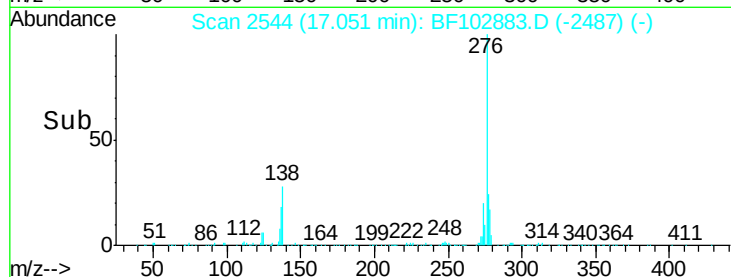
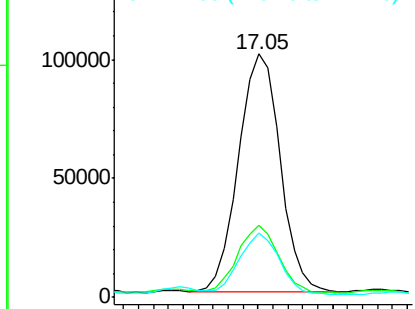
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 11.786 ng
 RT: 17.05 min Scan# 2544
 Delta R.T. 0.04 min
 Lab File: BF102883.D
 Acq: 9 Feb 2018 12:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.6	25.0	37.6
277	24.6	20.1	30.1

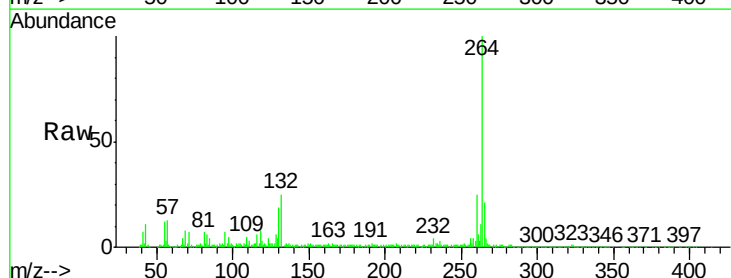


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

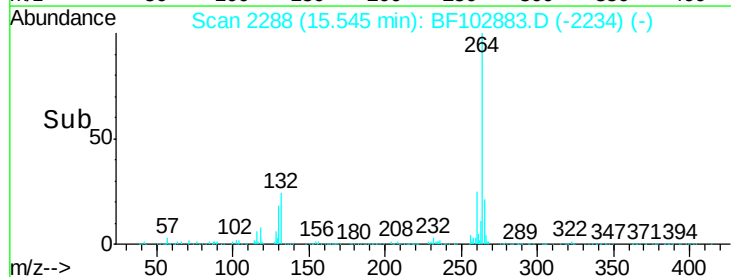
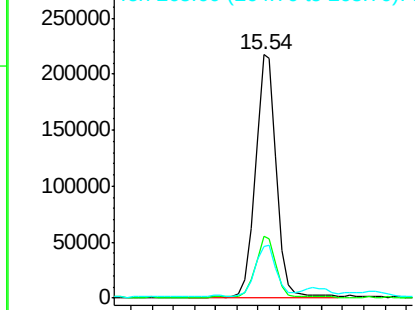


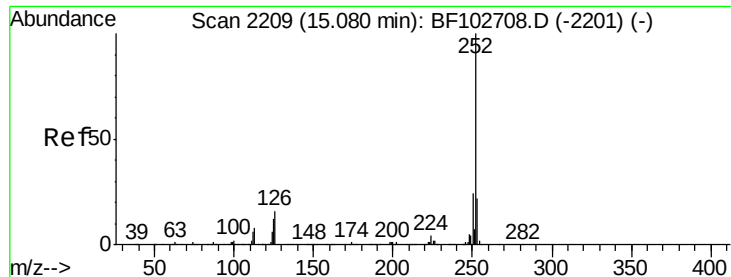
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2288
 Delta R.T. 0.02 min
 Lab File: BF102883.D
 Acq: 9 Feb 2018 12:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.2	28.8
265	21.3	17.5	26.3



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





#87

Benzo(b)fluoranthene

Concen: 38.231 ng

RT: 15.11 min Scan# 2214

Delta R.T. 0.02 min

Lab File: BF102883.D

Acq: 9 Feb 2018 12:44

Instrument :

BNA_F

ClientSampled :

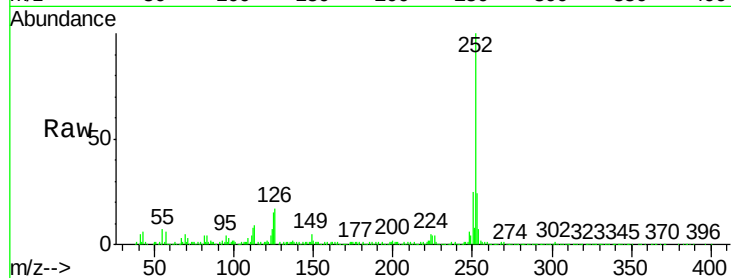
Tot Ion:252 Resp: 745254

Ion Ratio Lower Upper

252 100

253 23.9 17.0 25.6

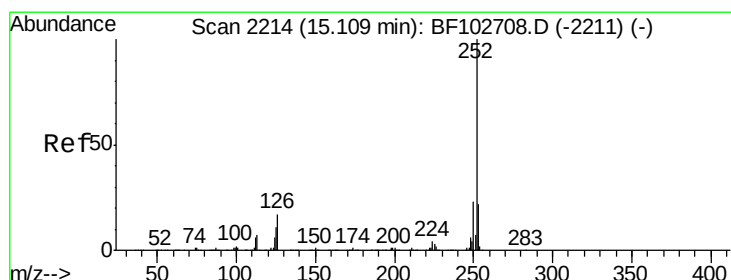
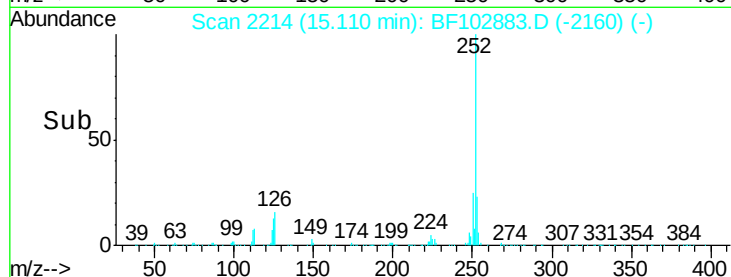
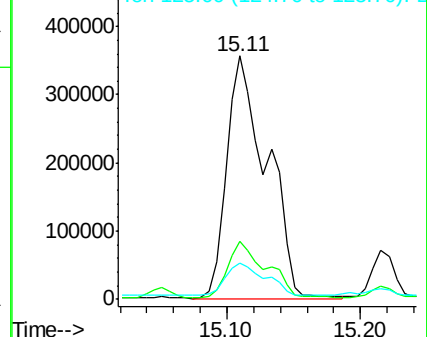
125 15.1 9.0 13.6#



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



#88

Benzo(k)fluoranthene

Concen: 40.012 ng

RT: 15.11 min Scan# 2214

Delta R.T. -0.01 min

Lab File: BF102883.D

Acq: 9 Feb 2018 12:44

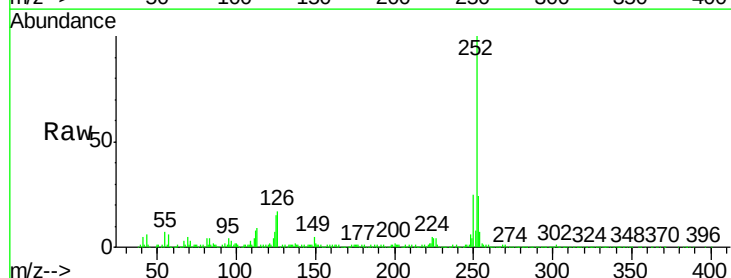
Tgt Ion:252 Resp: 745254

Ion Ratio Lower Upper

252 100

253 23.9 17.9 26.9

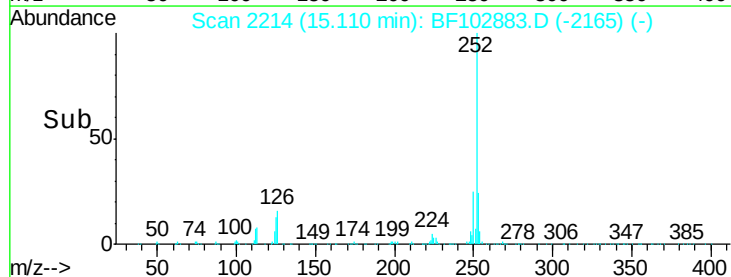
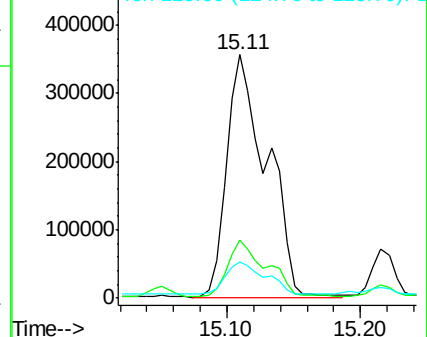
125 15.1 10.2 15.2

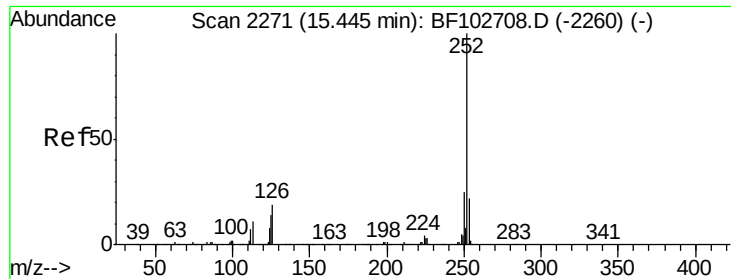


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

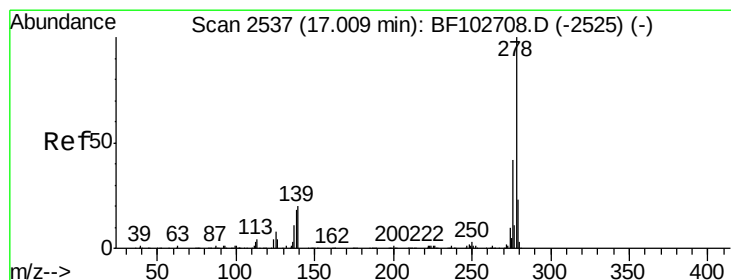
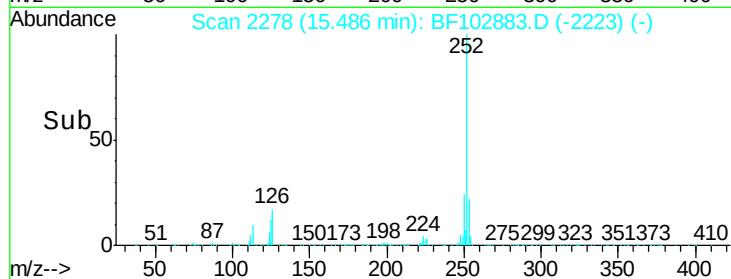
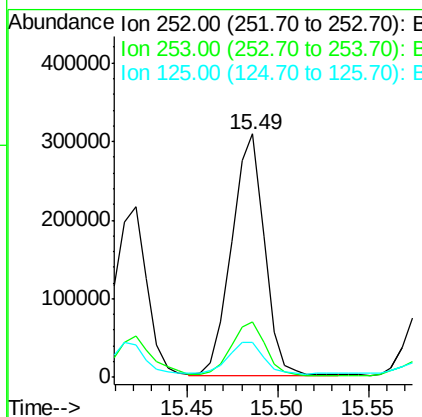
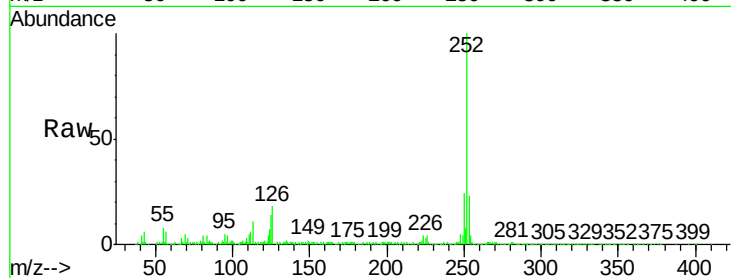




#89
Benzo(a)pyrene
Concen: 22.252 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.02 min
Lab File: BF102883.D
Acq: 9 Feb 2018 12:44

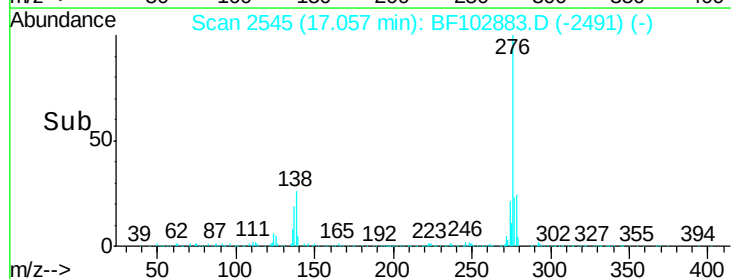
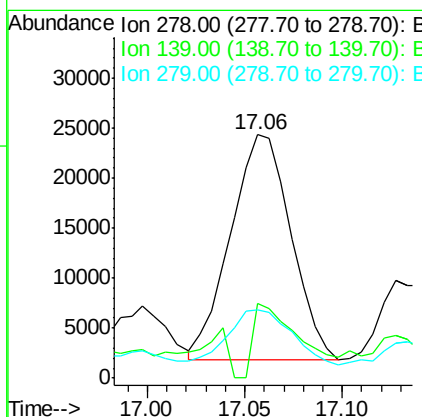
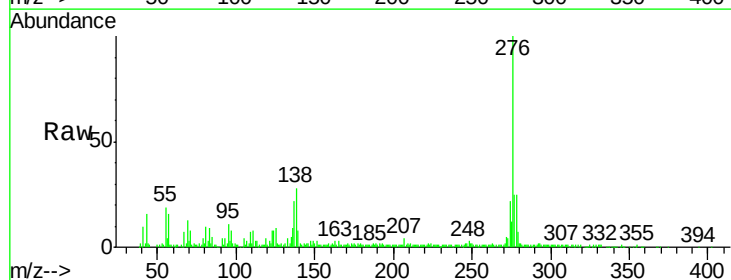
Instrument :
BNA_F
ClientSampleId :

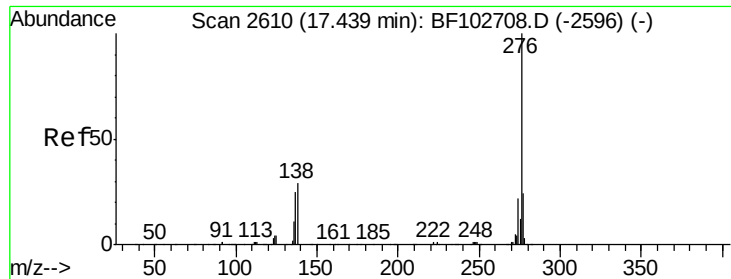
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	14.3	9.8	14.6



#90
Dibenzo(a,h)anthracene
Concen: 3.369 ng
RT: 17.06 min Scan# 2545
Delta R.T. 0.02 min
Lab File: BF102883.D
Acq: 9 Feb 2018 12:44

Tgt Ion	Ratio	Lower	Upper
278	100		
139	30.6	15.9	23.9#
279	28.2	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 13.405 ng
 RT: 17.51 min Scan# 2622
 Delta R.T. 0.04 min
 Lab File: BF102883.D
 Acq: 9 Feb 2018 12:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.1	17.9	26.9
138	28.5	21.8	32.8

