

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030618\
 Data File : BF103448.D
 Acq On : 6 Mar 2018 11:50
 Operator : SJ/JU
 Sample : J1778-05RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 06 12:46:59 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 06 11:52:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	112843	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	476664	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	227855	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	393918	20.00	ng	0.00
75) Chrysene-d12	14.09	240	255285	20.00	ng	0.02
86) Perylene-d12	15.64	264	224169	20.00	ng	0.06

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	814650	109.19	ng	0.00
7) Phenol-d6	6.51	99	1005117	110.09	ng	0.00
23) Nitrobenzene-d5	7.44	82	619911	74.27	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	173634	90.03	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	853589	60.07	ng	0.00
78) Terphenyl-d14	13.00	244	769722	72.48	ng	0.00

Target Compounds

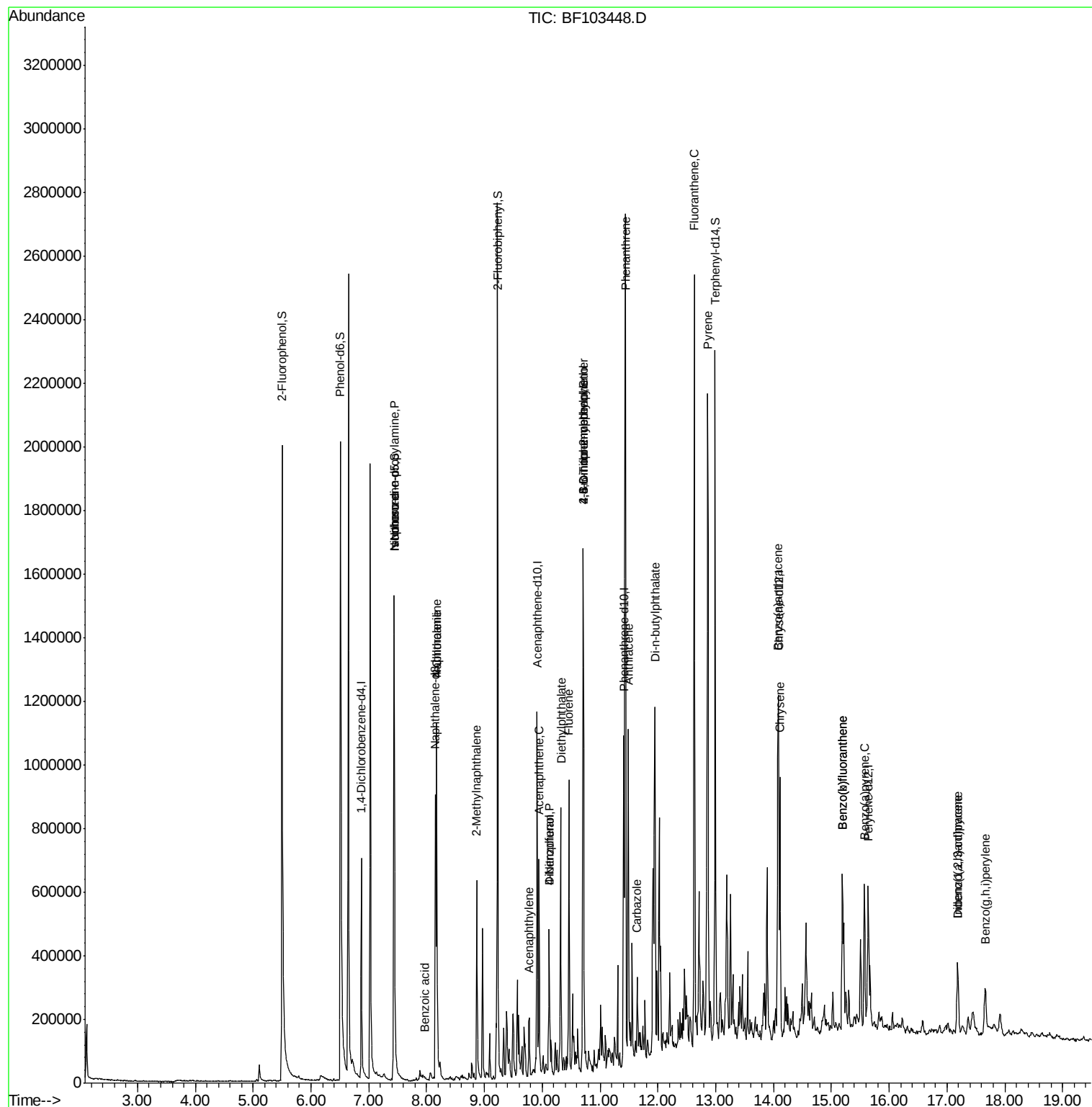
						Qvalue
9) Benzaldehyde	6.45	77	2458	Below Cal		88
19) n-Nitroso-di-n-propylamine	7.44	70	81521	14.347 ng	#	83
25) Isophorone	7.44	82	619911	37.710 ng	#	64
31) Naphthalene	8.17	128	529298	22.681 ng		99
32) Benzoic acid	7.97	122	3416	7.510 ng	#	65
33) 4-Chloroaniline	8.17	127	68809	6.833 ng	#	32
37) 2-Methylnaphthalene	8.87	142	182509	12.101 ng		99
48) Acenaphthylene	9.77	152	58184	2.504 ng		96
51) Acenaphthene	9.95	154	135663	10.010 ng		98
54) Dibenzofuran	10.12	168	175628	9.441 ng		98
55) 4-Nitrophenol	10.12	139	73344	24.316 ng	#	10
57) Fluorene	10.46	166	258459	16.309 ng		100
59) Diethylphthalate	10.32	149	269439	15.412 ng		100
64) 4,6-Dinitro-2-methylphenol	10.70	198	443	5.111 ng	#	1
66) 4-Bromophenyl-phenylether	10.71	248	11914	2.903 ng	#	1
70) Phenanthrene	11.44	178	1140626	52.616 ng		99
71) Anthracene	11.49	178	430025	19.344 ng		100
72) Carbazole	11.64	167	92997	4.201 ng		98
73) Di-n-butylphthalate	11.95	149	505624	18.253 ng		99
74) Fluoranthene	12.63	202	1009079	46.321 ng		99
77) Pyrene	12.86	202	889999	44.716 ng		100
80) Benzo(a)anthracene	14.07	228	340722	20.570 ng		99
82) Chrysene	14.12	228	305158	18.974 ng		98
85) Indeno(1,2,3-cd)pyrene	17.19	276	129348	10.159 ng		97
87) Benzo(b)fluoranthene	15.19	252	374750	25.426 ng	#	94
88) Benzo(k)fluoranthene	15.19	252	374750	27.001 ng		97
89) Benzo(a)pyrene	15.57	252	220458	16.750 ng		97
90) Dibenzo(a,h)anthracene	17.19	278	31574	3.105 ng	#	81
91) Benzo(g,h,i)perylene	17.66	276	124116	12.487 ng		92

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

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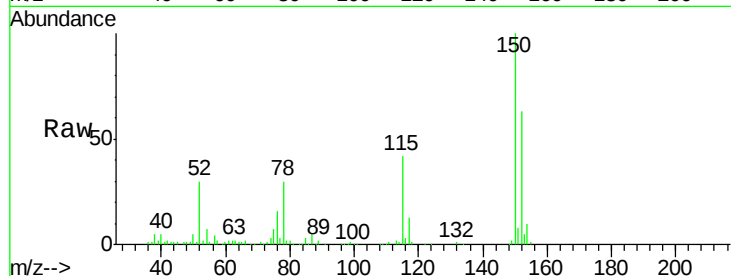


#1

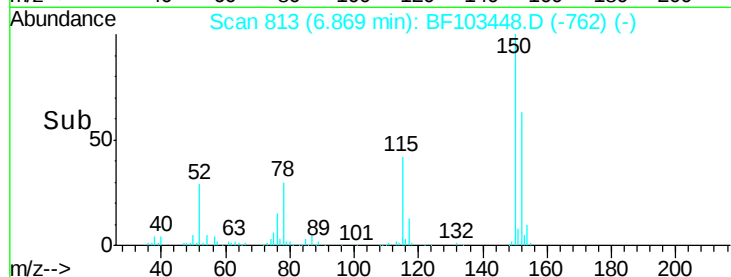
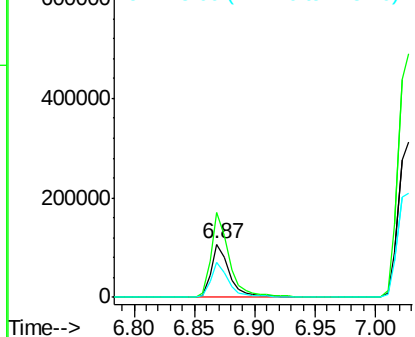
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF103448.D
Acq: 6 Mar 2018 11:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 112843
Ion Ratio Lower Upper
152 100
150 159.7 124.6 186.8
115 66.4 50.1 75.1



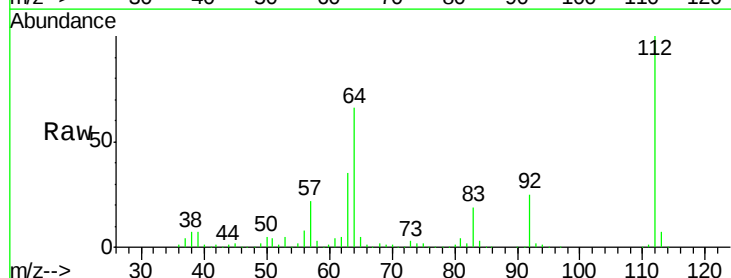
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



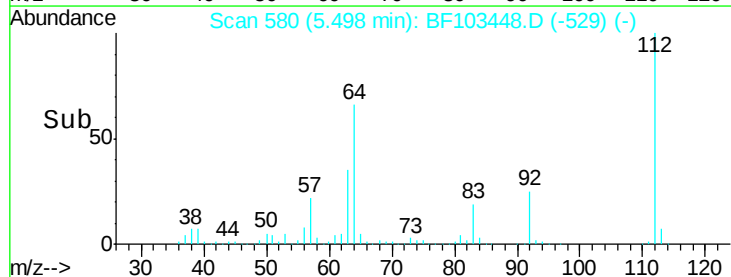
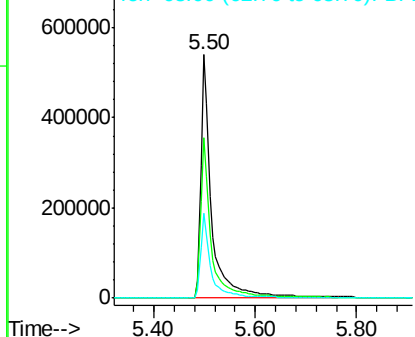
#5

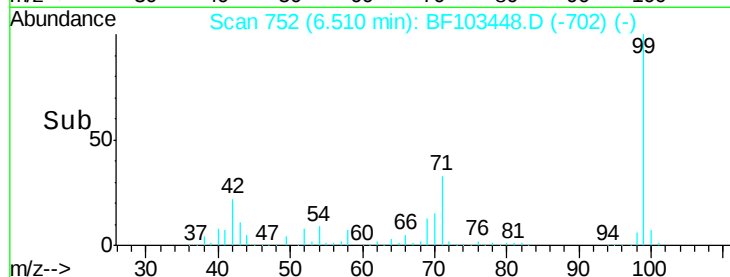
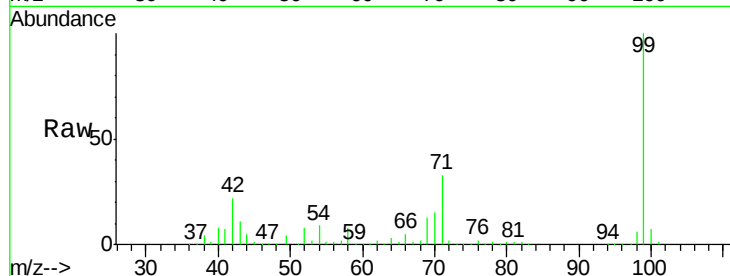
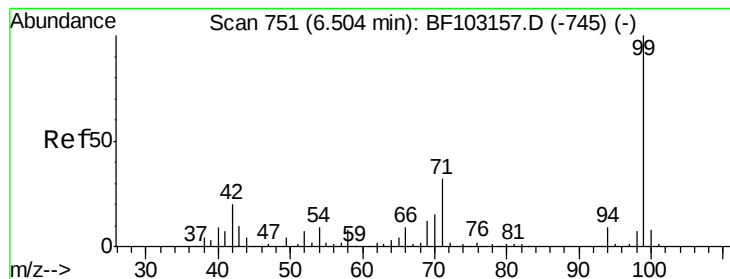
2-Fluorophenol
Concen: 109.187 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.00 min
Lab File: BF103448.D
Acq: 6 Mar 2018 11:50

Tgt Ion:112 Resp: 814650
Ion Ratio Lower Upper
112 100
64 66.1 47.9 71.9
63 35.1 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: 110.093 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF103448.D

Acq: 6 Mar 2018 11:50

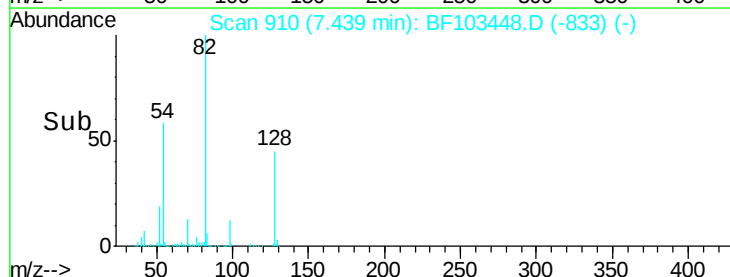
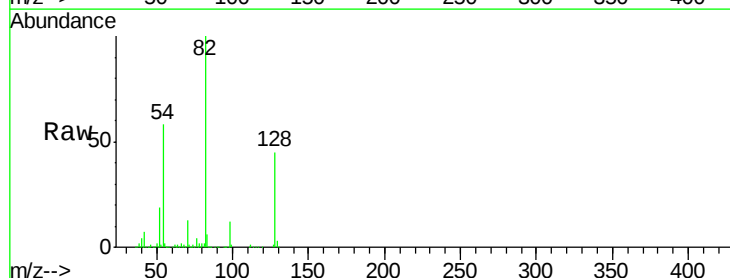
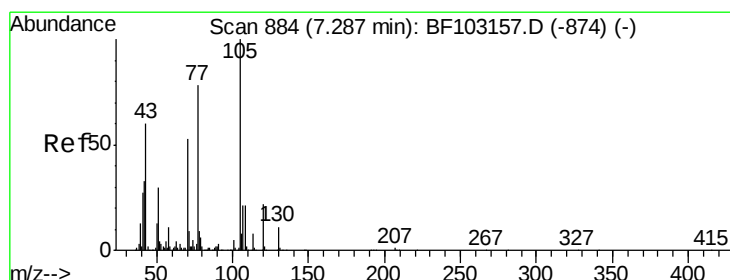
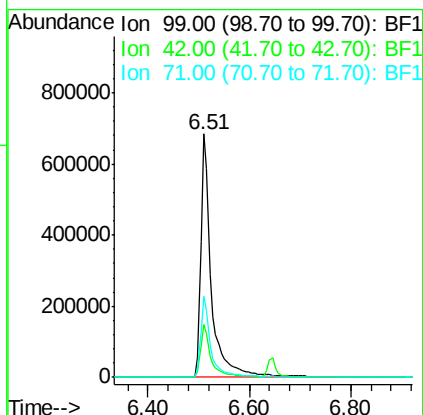
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1005117

Ion	Ratio	Lower	Upper
99	100		
42	21.7	14.5	21.7#
71	33.3	25.4	38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.347 ng

RT: 7.44 min Scan# 910

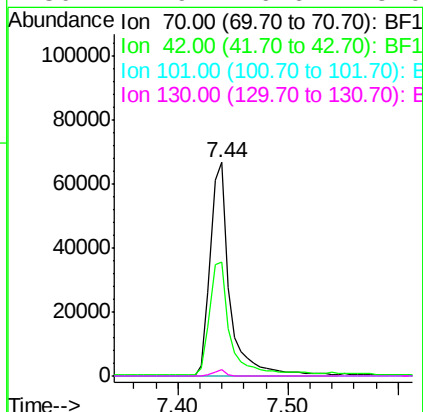
Delta R.T. 0.15 min

Lab File: BF103448.D

Acq: 6 Mar 2018 11:50

Tgt Ion: 70 Resp: 81521

Ion	Ratio	Lower	Upper
70	100		
42	53.2	47.5	71.3
101	0.0	7.4	11.2#
130	2.9	16.6	25.0#

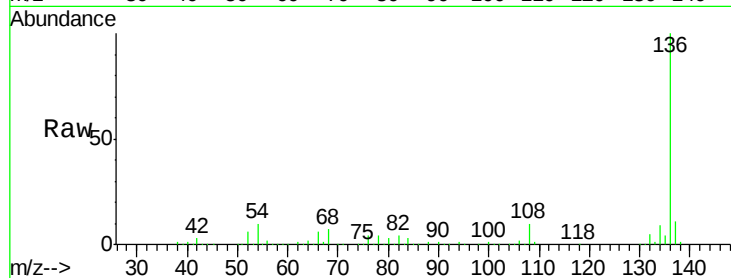




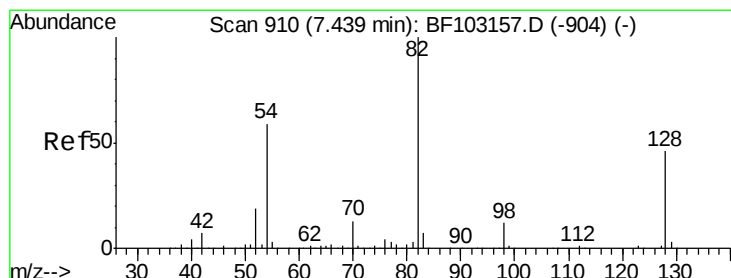
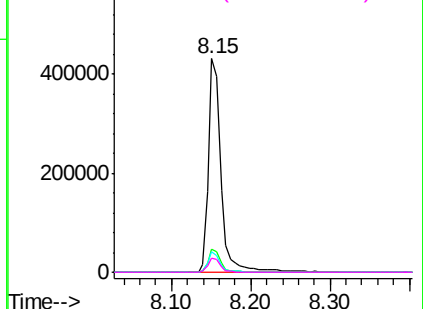
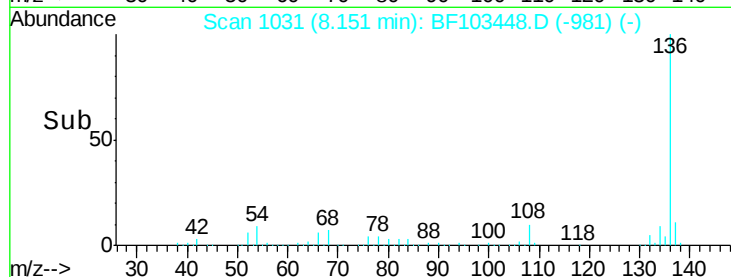
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF103448.D
Acq: 6 Mar 2018 11:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	476664
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.9 13.3
54	9.5	6.6 9.8
68	6.9	5.0 7.4

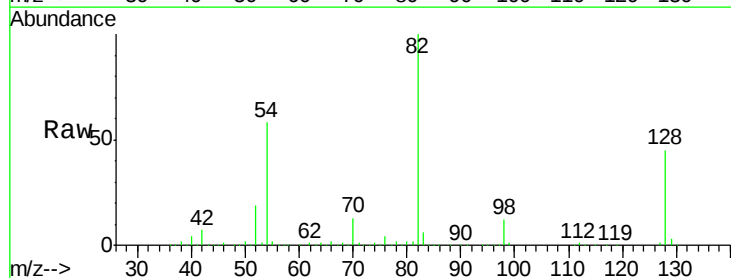


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

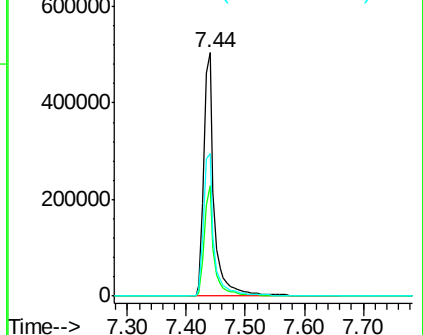
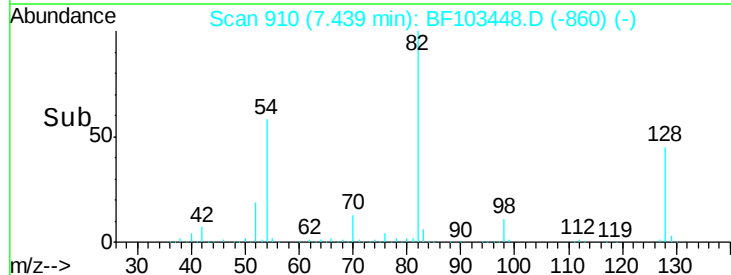


#23
Nitrobenzene-d5
Concen: 74.271 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103448.D
Acq: 6 Mar 2018 11:50

Tgt Ion: 82	Resp:	619911
Ion Ratio	Lower	Upper
82	100	
128	45.2	36.1 54.1
54	58.5	41.4 62.2



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





#25

Isophorone

Concen: 37.710 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.25 min

Lab File: BF103448.D

Acq: 6 Mar 2018 11:50

Instrument :

BNA_F

ClientSampleId :

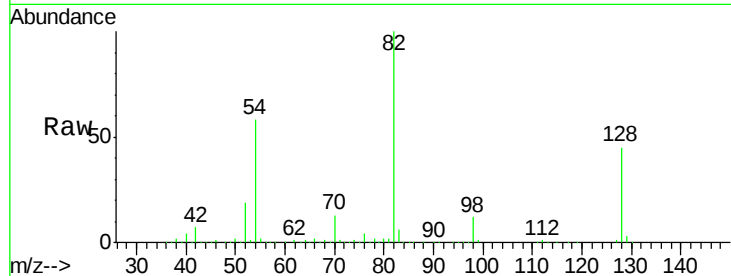
Tot Ion: 82 Resp: 619911

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

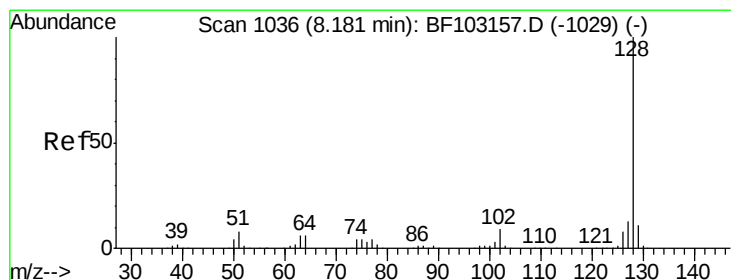
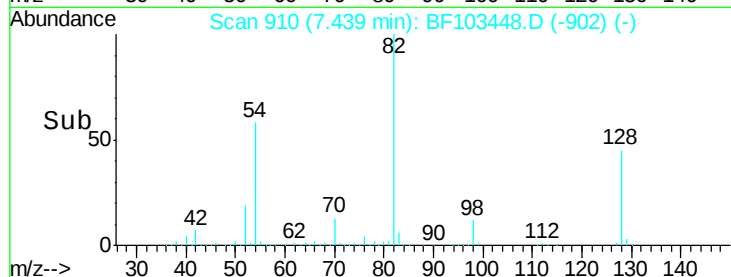
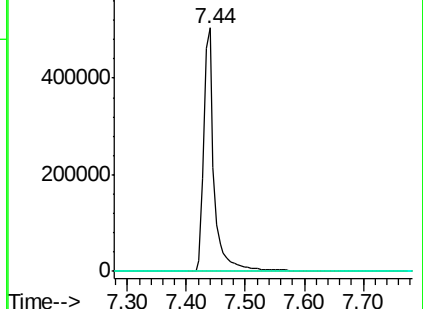
138 0.0 14.9 22.3#



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: 22.681 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF103448.D

Acq: 6 Mar 2018 11:50

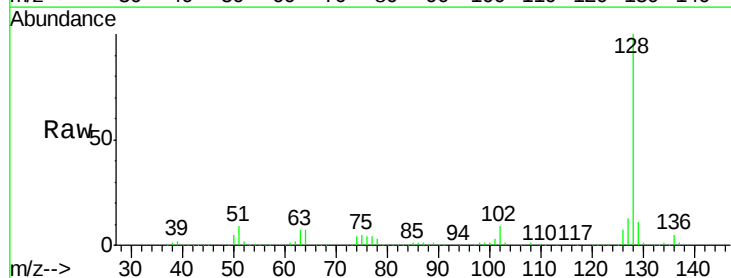
Tgt Ion: 128 Resp: 529298

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

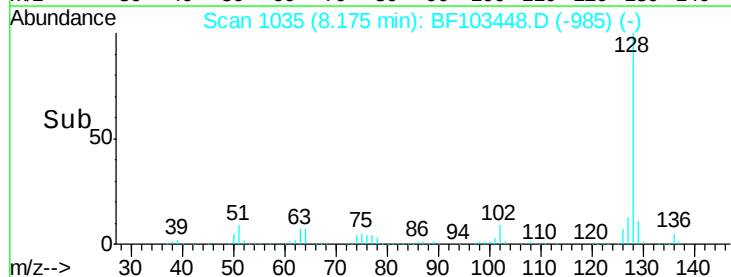
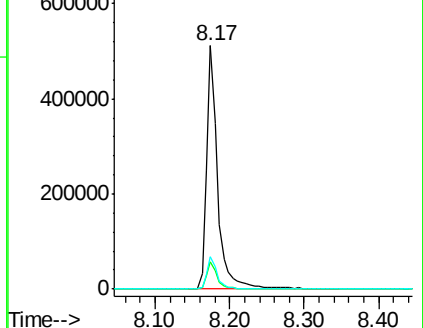
127 13.3 10.9 16.3

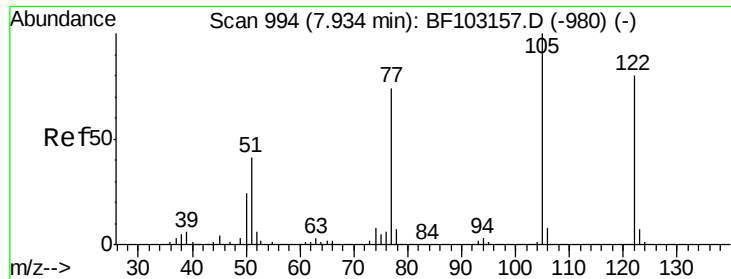


Abundance Ion 128.00 (127.70 to 128.70): BF1

Ion 129.00 (128.70 to 129.70): BF1

Ion 127.00 (126.70 to 127.70): BF1





#32

Benzoic acid

Concen: 7.510 ng

RT: 7.97 min Scan# 1000

Delta R.T. 0.01 min

Lab File: BF103448.D

Acq: 6 Mar 2018 11:50

Instrument :

BNA_F

ClientSampleId :

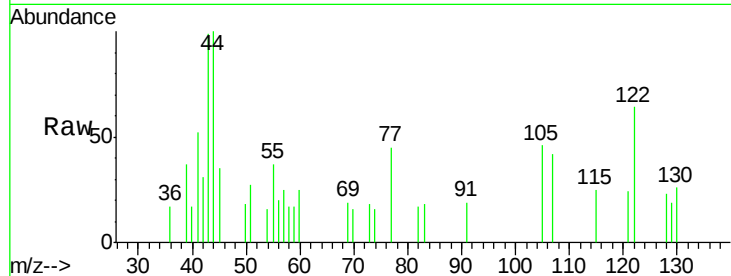
Tot Ion:122 Resp: 3416

Ion Ratio Lower Upper

122 100

105 72.1 101.1 141.1#

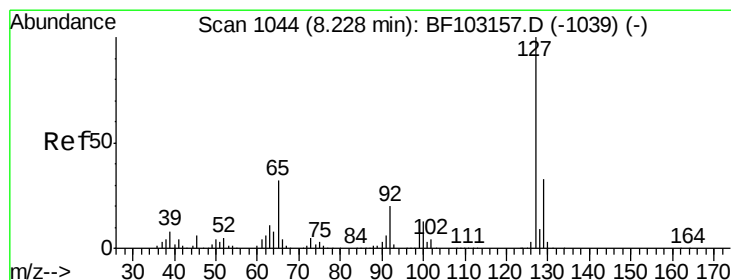
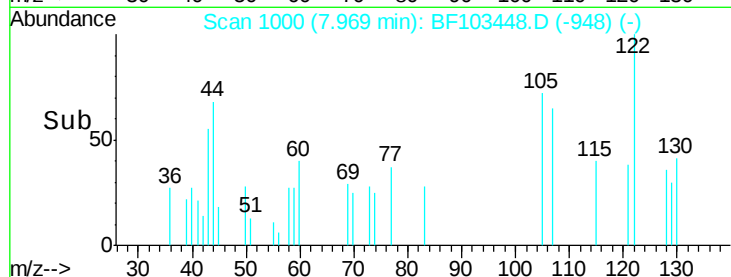
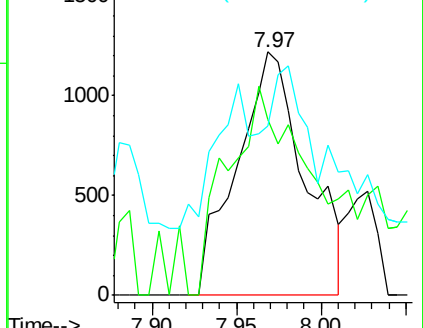
77 69.8 70.7 110.7#



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: 6.833 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.06 min

Lab File: BF103448.D

Acq: 6 Mar 2018 11:50

Tgt Ion:127 Resp: 68809

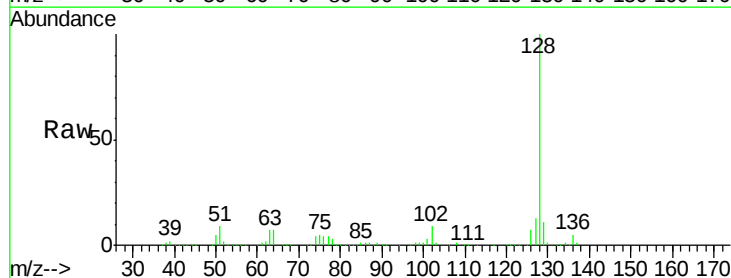
Ion Ratio Lower Upper

127 100

129 85.6 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

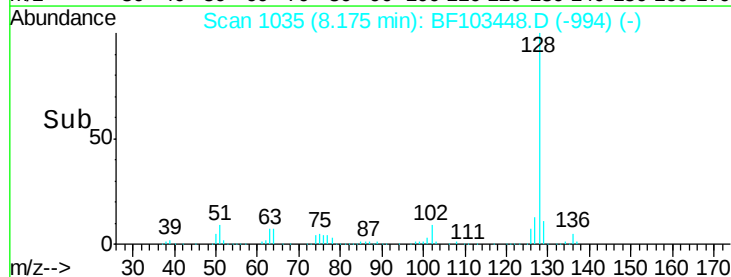
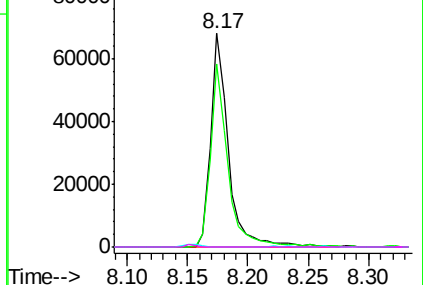


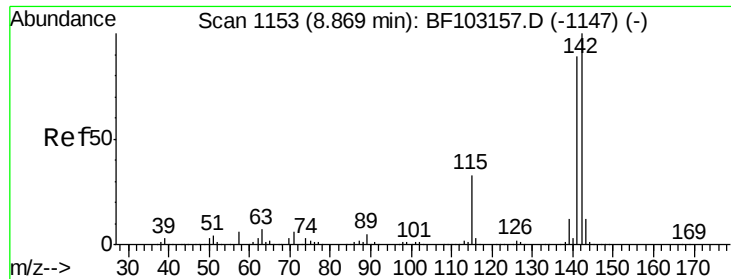
Abundance Ion 127.00 (126.70 to 127.70): E

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

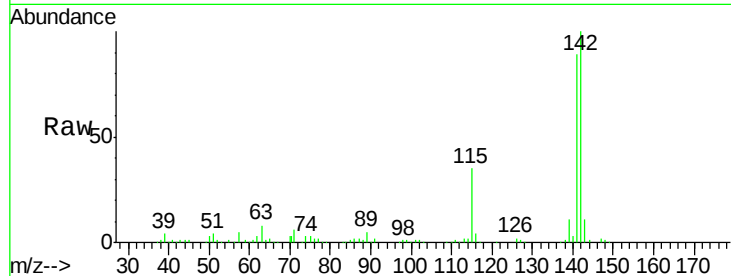




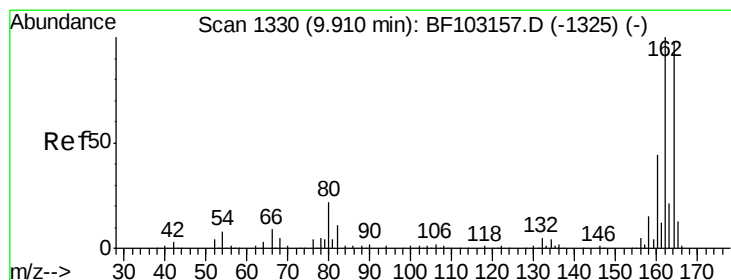
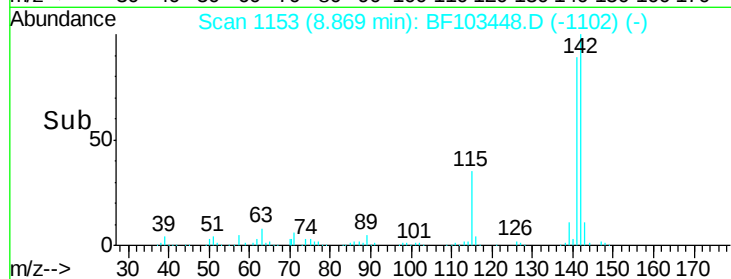
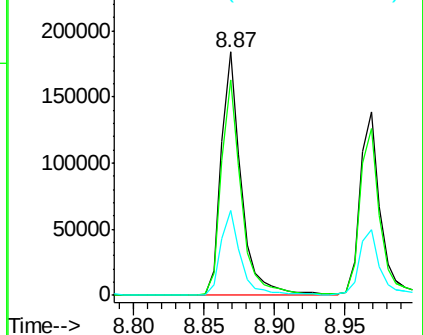
#37
 2-Methylnaphthalene
 Concen: 12.101 ng
 RT: 8.87 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: BF103448.D
 Acq: 6 Mar 2018 11:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.8	106.2
115	34.7	26.1	39.1

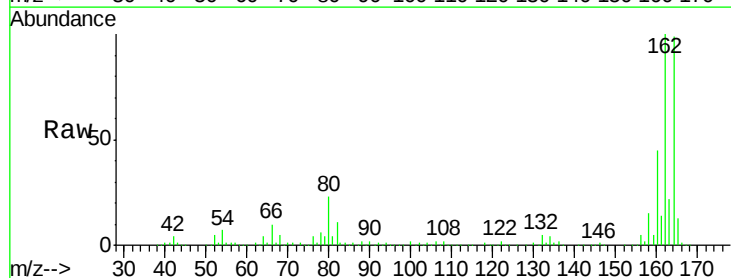


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

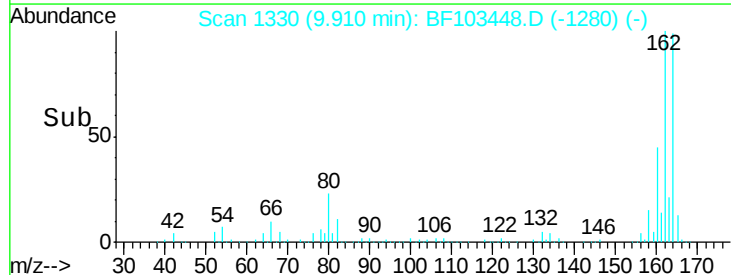
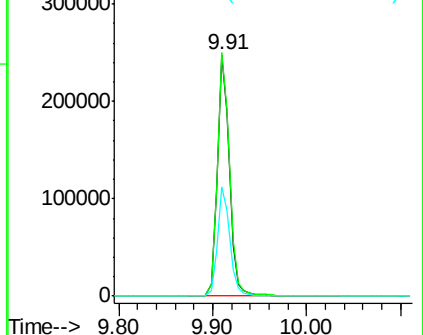


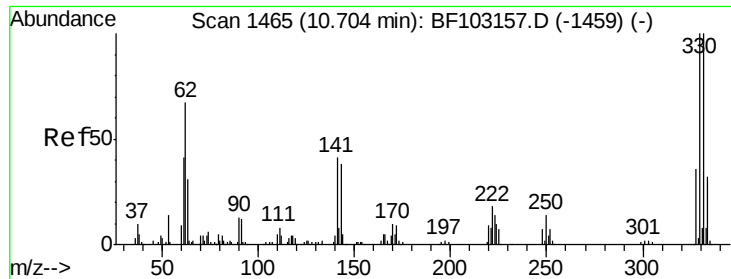
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF103448.D
 Acq: 6 Mar 2018 11:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	86.1	129.1
160	45.4	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

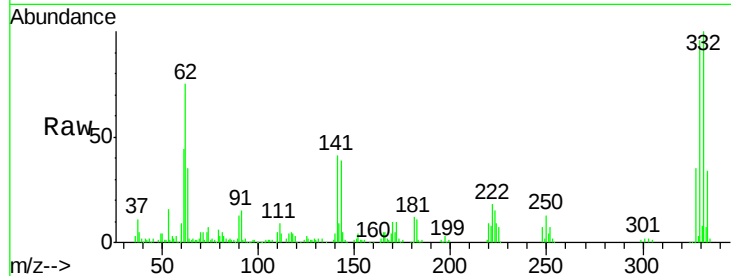




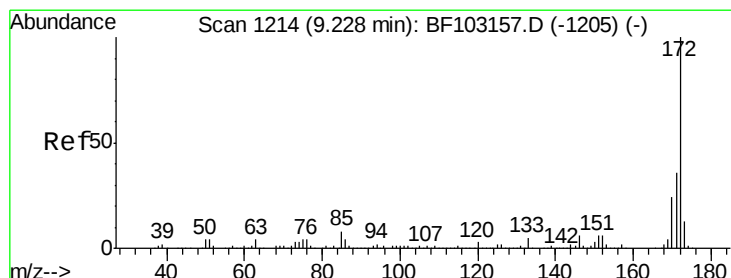
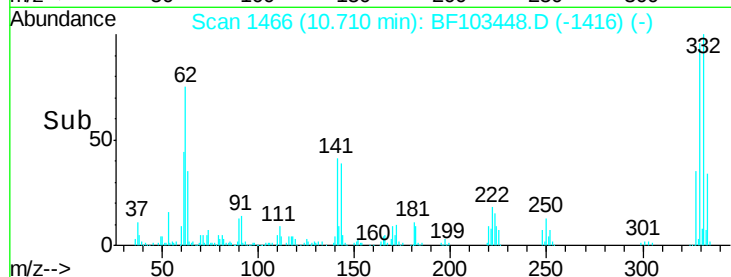
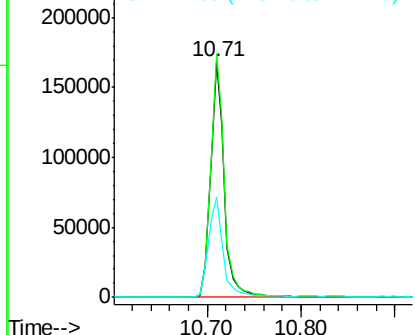
#41
 2,4,6-Tribromophenol
 Concen: 90.028 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103448.D
 Acq: 6 Mar 2018 11:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 173634
 Ion Ratio Lower Upper
 330 100
 332 103.3 77.0 115.6
 141 45.1 29.9 44.9#

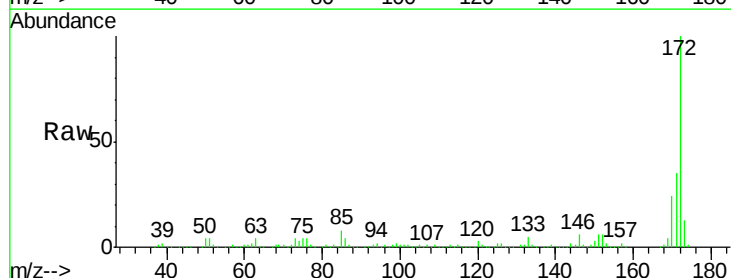


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

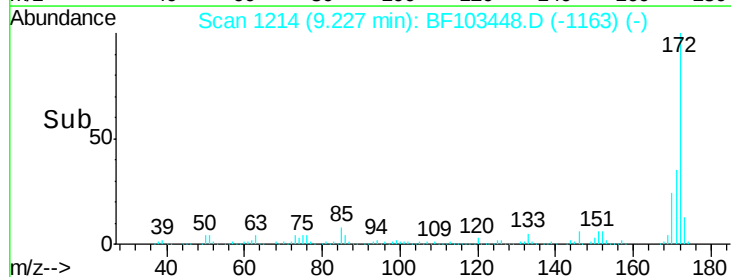
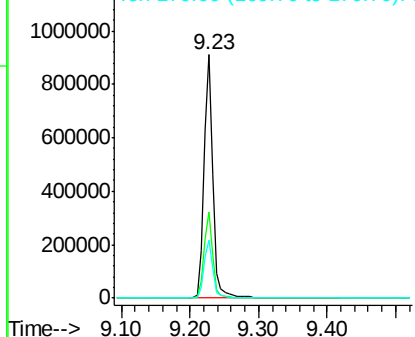


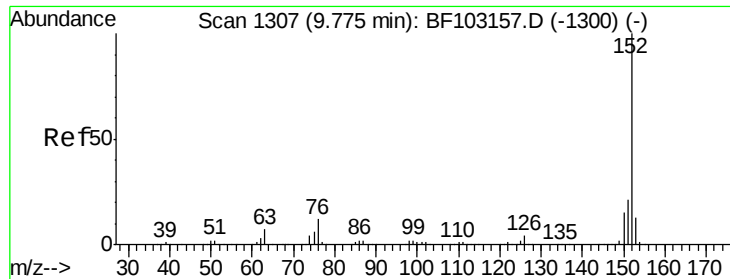
#44
 2-Fluorobiphenyl
 Concen: 60.074 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.00 min
 Lab File: BF103448.D
 Acq: 6 Mar 2018 11:50

Tgt Ion:172 Resp: 853589
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.7 44.5
 170 23.9 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





#48

Acenaphthylene

Concen: 2.504 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF103448.D

Acq: 6 Mar 2018 11:50

Instrument :

BNA_F

ClientSampleId :

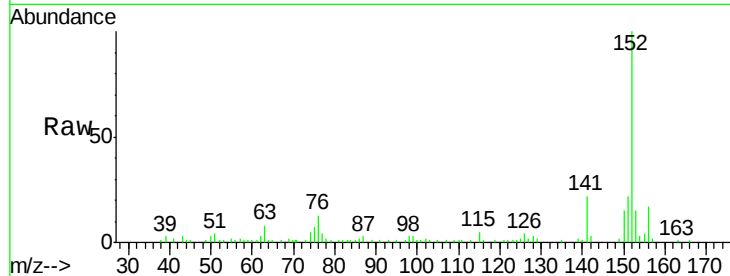
Tot Ion:152 Resp: 58184

Ion Ratio Lower Upper

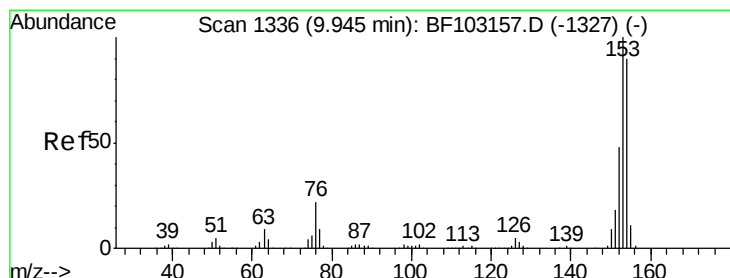
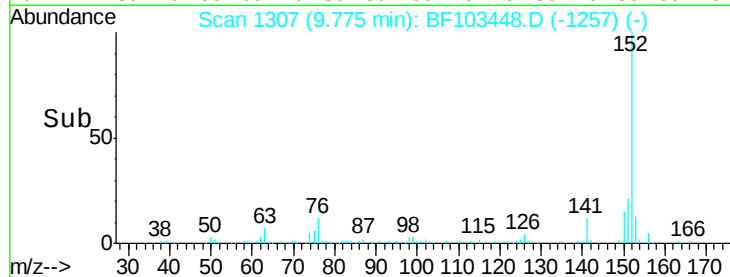
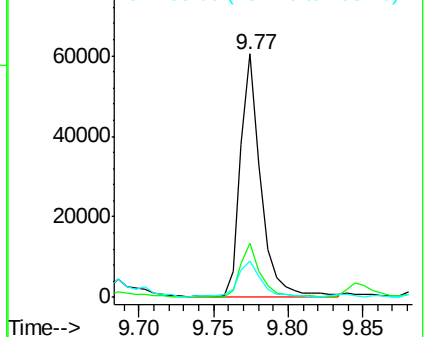
152 100

151 22.3 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: 10.010 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF103448.D

Acq: 6 Mar 2018 11:50

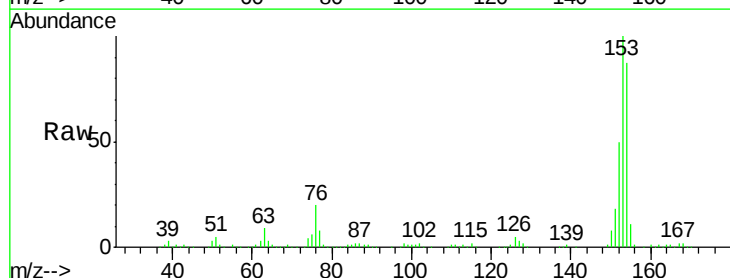
Tgt Ion:154 Resp: 135663

Ion Ratio Lower Upper

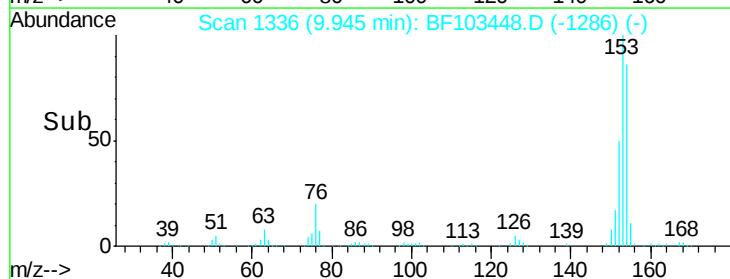
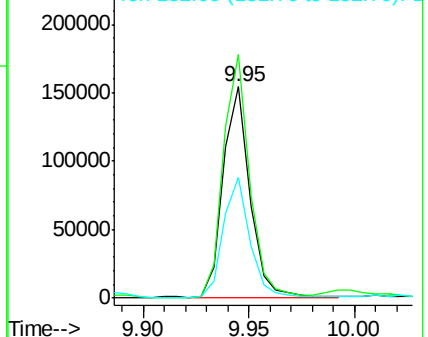
154 100

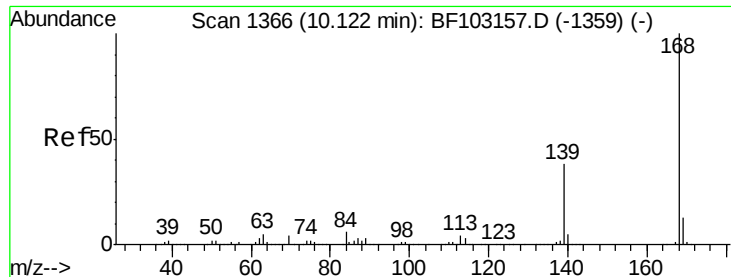
153 115.4 91.2 136.8

152 57.5 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

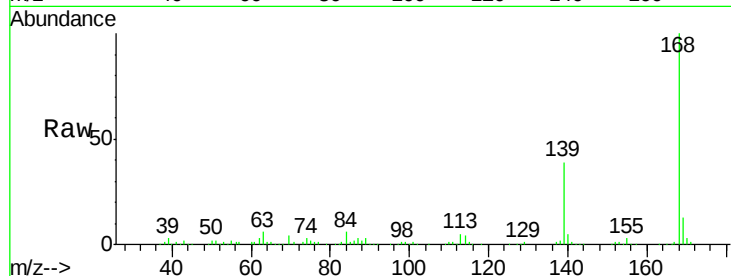




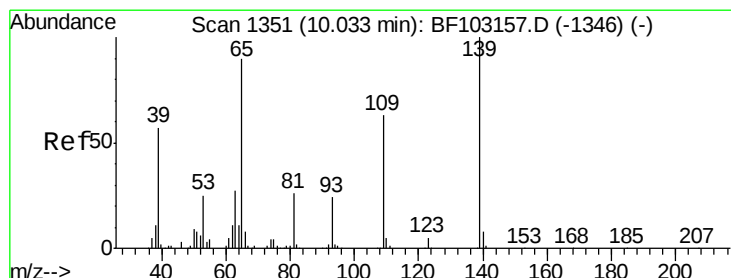
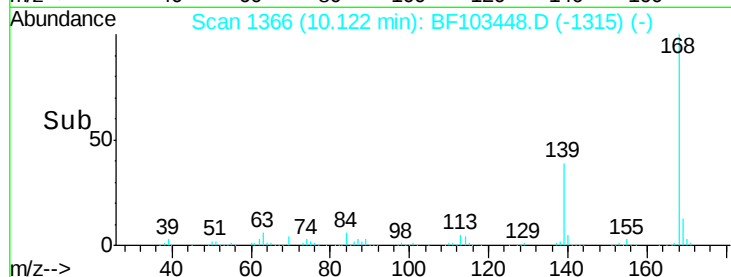
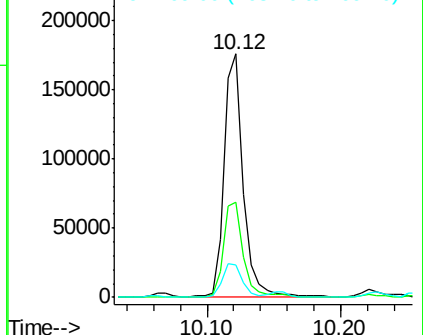
#54
Dibenzofuran
Concen: 9.441 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.00 min
Lab File: BF103448.D
Acq: 6 Mar 2018 11:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:168 Resp: 175628
Ion Ratio Lower Upper
168 100
139 39.0 30.1 45.1
169 13.4 10.9 16.3

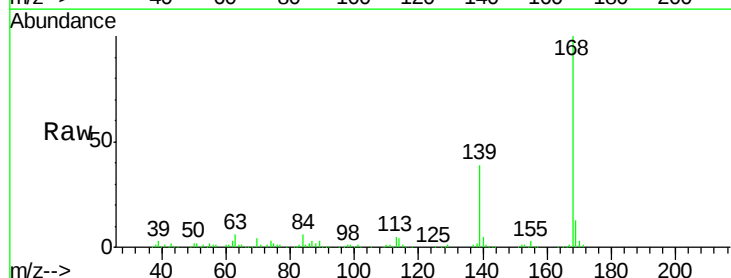


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

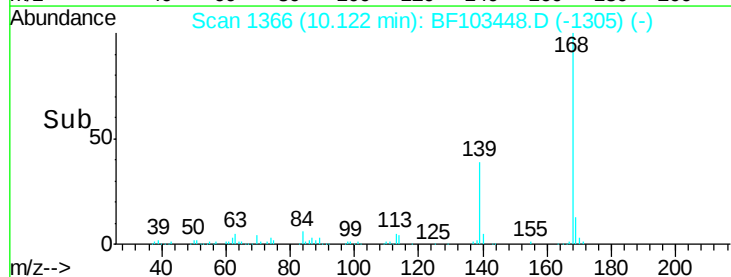
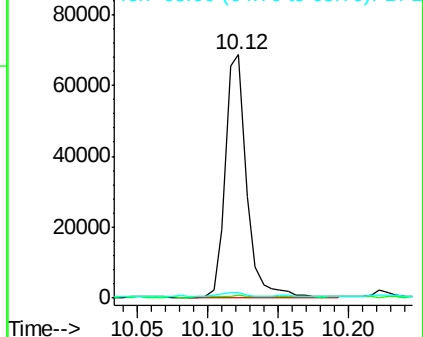


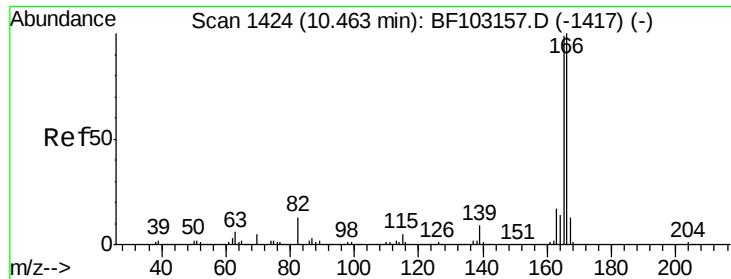
#55
4-Nitrophenol
Concen: 24.316 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.06 min
Lab File: BF103448.D
Acq: 6 Mar 2018 11:50

Tgt Ion:139 Resp: 73344
Ion Ratio Lower Upper
139 100
109 1.2 48.4 88.4#
65 2.2 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

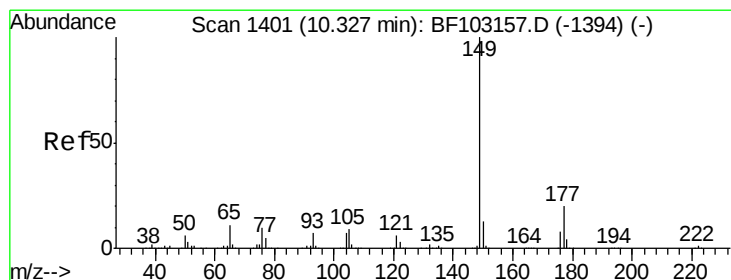
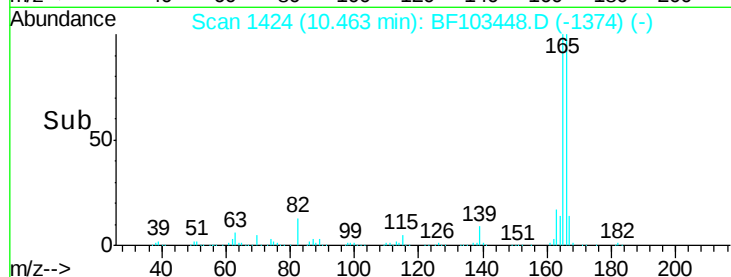
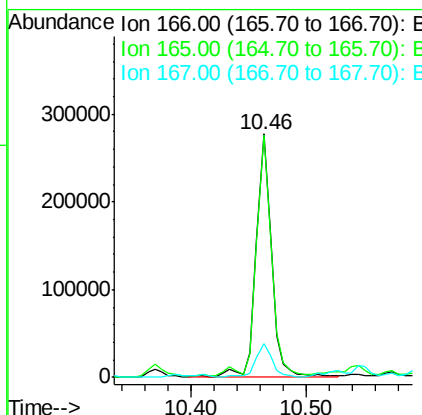
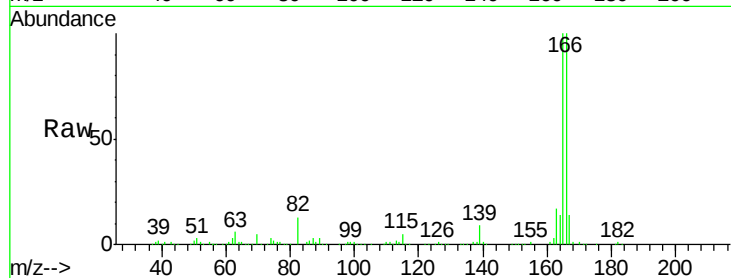




#57
 Fluorene
 Concen: 16.309 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF103448.D
 Acq: 6 Mar 2018 11:50

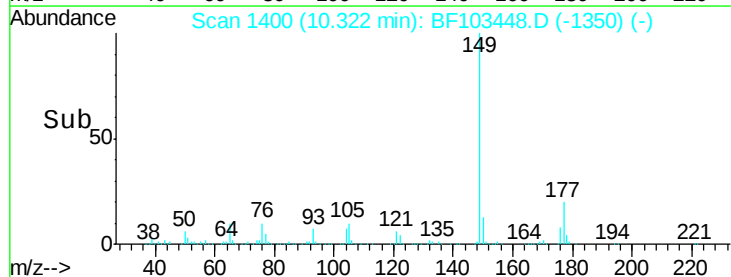
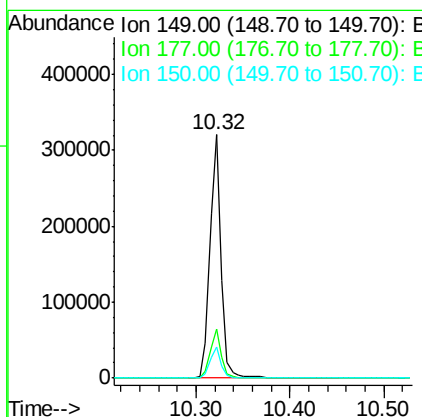
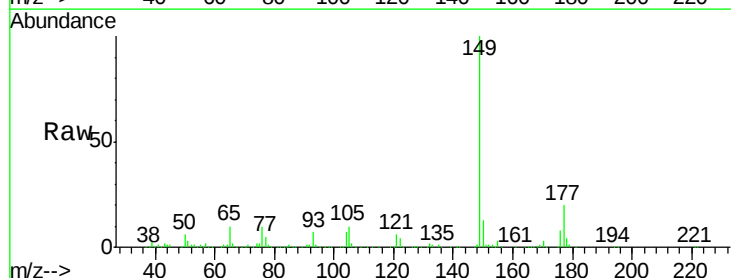
Instrument :
 BNA_F
 ClientSampleId :

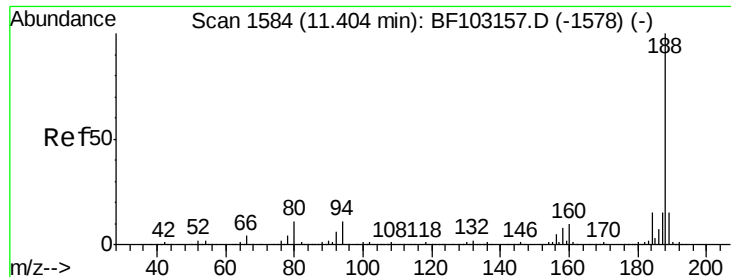
Tot Ion:166 Resp: 258459
 Ion Ratio Lower Upper
 166 100
 165 99.7 79.8 119.8
 167 13.8 10.6 16.0



#59
 Diethylphthalate
 Concen: 15.412 ng
 RT: 10.32 min Scan# 1400
 Delta R.T. -0.01 min
 Lab File: BF103448.D
 Acq: 6 Mar 2018 11:50

Tgt Ion:149 Resp: 269439
 Ion Ratio Lower Upper
 149 100
 177 20.2 16.1 24.1
 150 12.5 10.1 15.1





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BF103448.D

Acq: 6 Mar 2018 11:50

Instrument :

BNA_F

ClientSampleId :

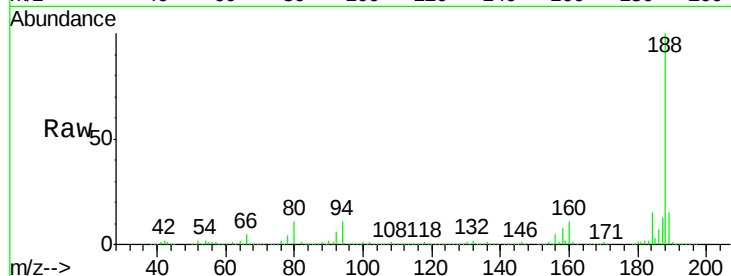
Tot Ion:188 Resp: 393918

Ion Ratio Lower Upper

188 100

94 10.7 8.5 12.7

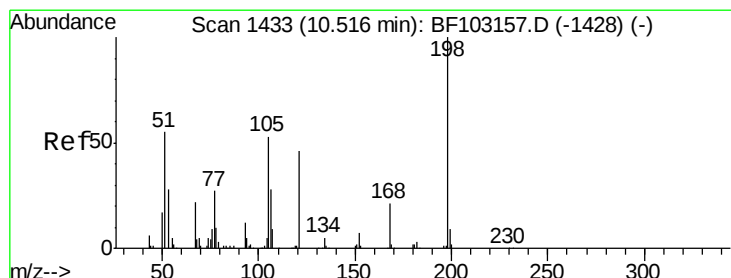
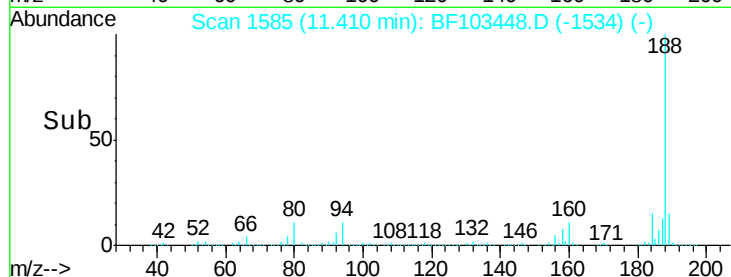
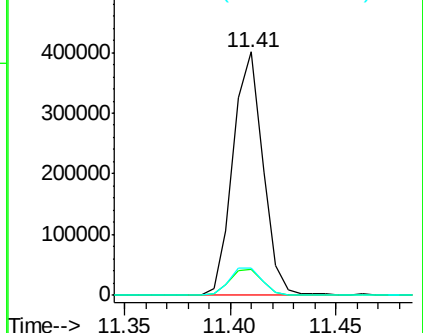
80 11.4 9.2 13.8



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: 5.111 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.17 min

Lab File: BF103448.D

Acq: 6 Mar 2018 11:50

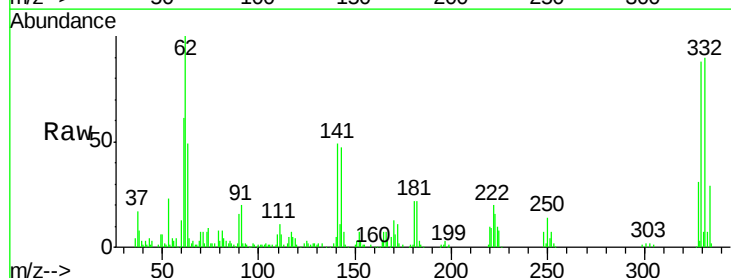
Tgt Ion:198 Resp: 443

Ion Ratio Lower Upper

198 100

51 414.1 37.7 77.7#

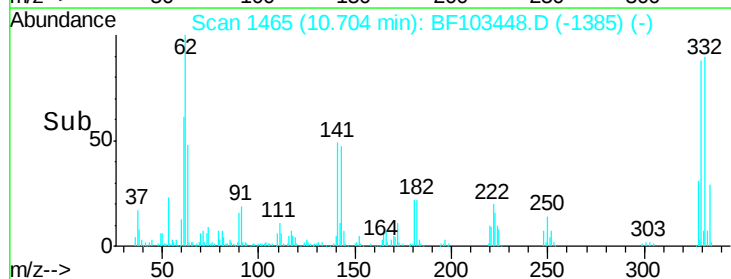
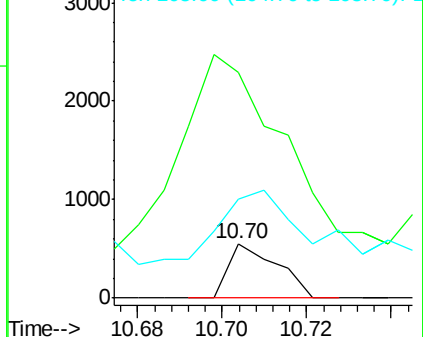
105 182.0 36.3 76.3#

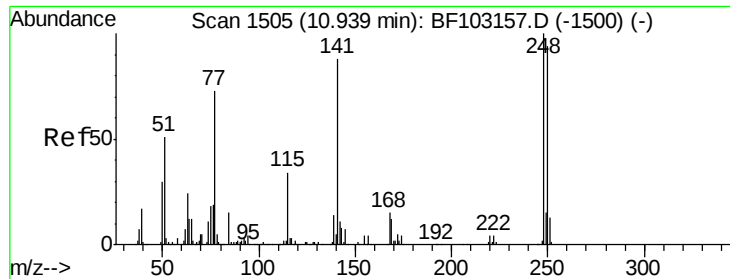


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

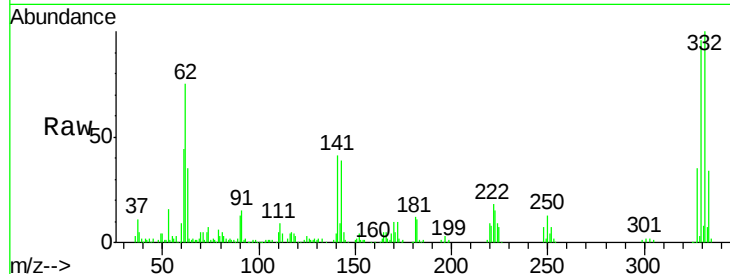




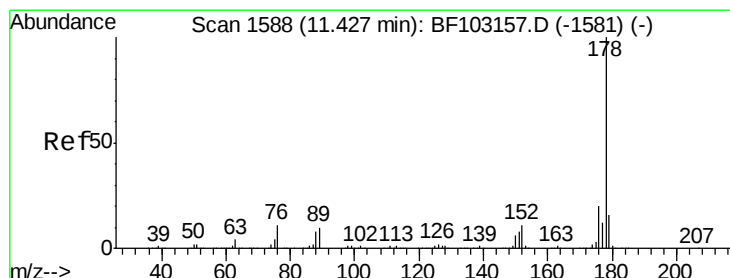
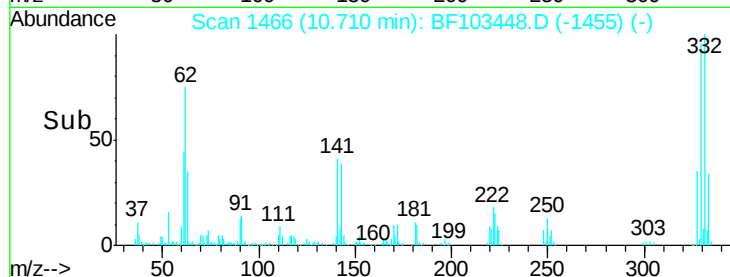
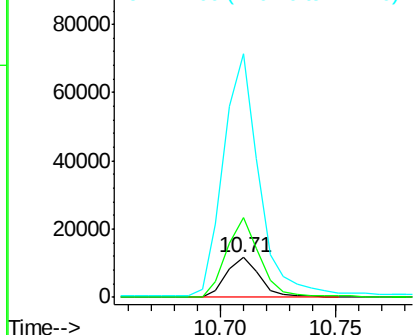
#66
 4-Bromophenyl-phenylether
 Concen: 2.903 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.24 min
 Lab File: BF103448.D
 Acq: 6 Mar 2018 11:50

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 11914
 Ion Ratio Lower Upper
 248 100
 250 198.9 76.9 115.3#
 141 611.4 74.4 111.6#

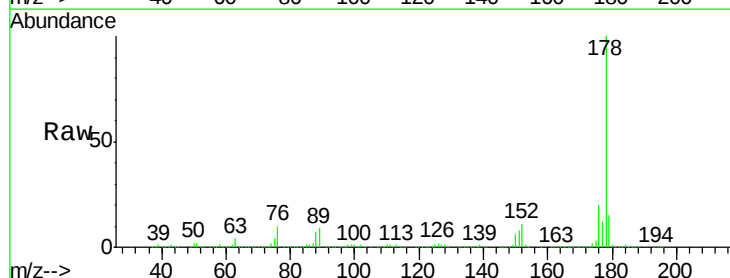


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

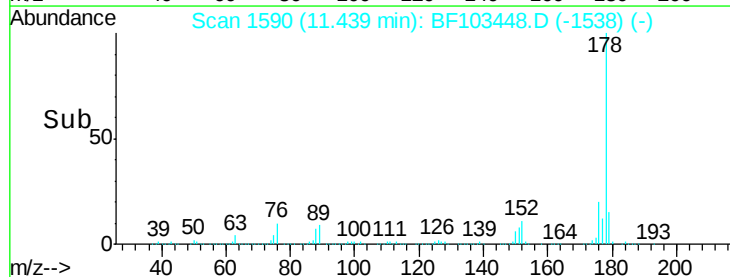
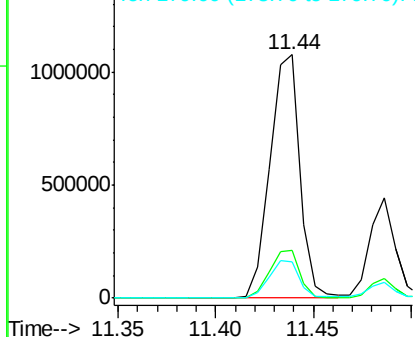


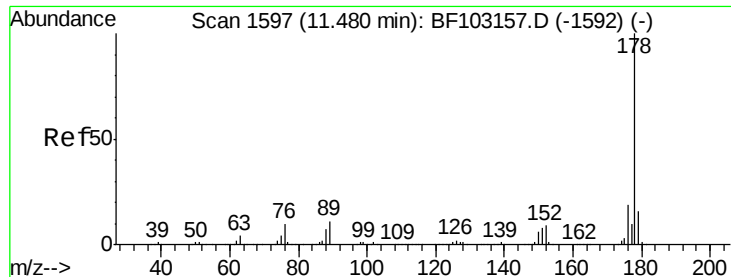
#70
 Phenanthrene
 Concen: 52.616 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: BF103448.D
 Acq: 6 Mar 2018 11:50

Tgt Ion:178 Resp: 1140626
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.8 23.8
 179 15.2 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

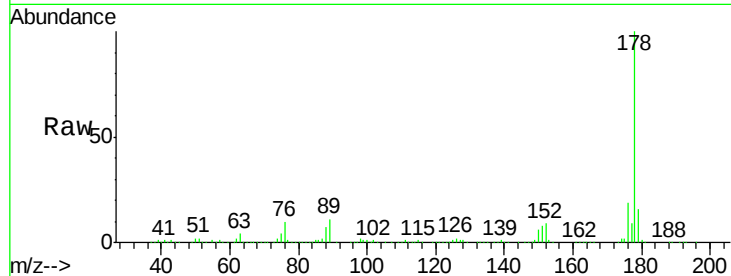




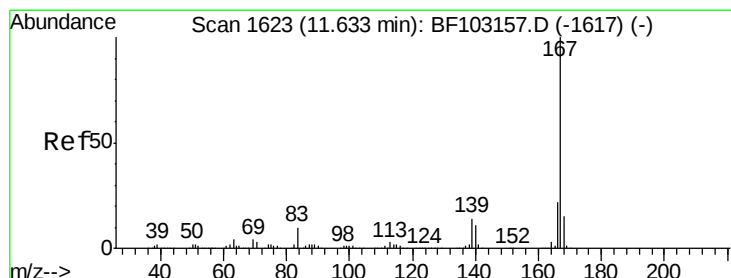
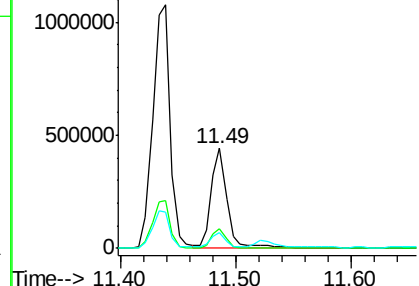
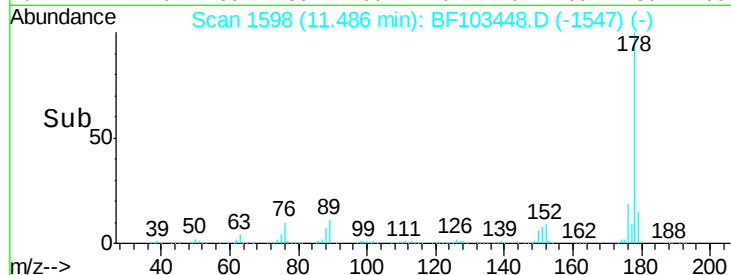
#71
 Anthracene
 Concen: 19.344 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: BF103448.D
 Acq: 6 Mar 2018 11:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 430025
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.4 23.2
 179 15.6 12.6 19.0

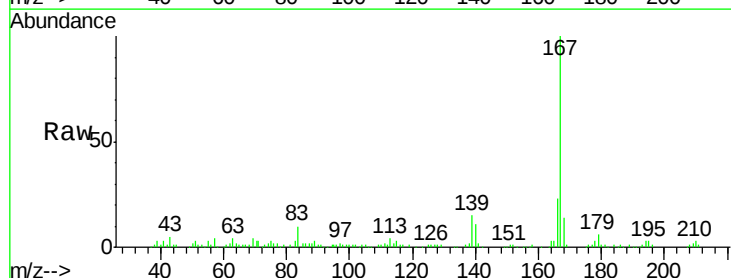


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

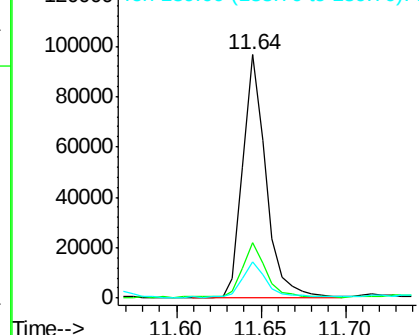
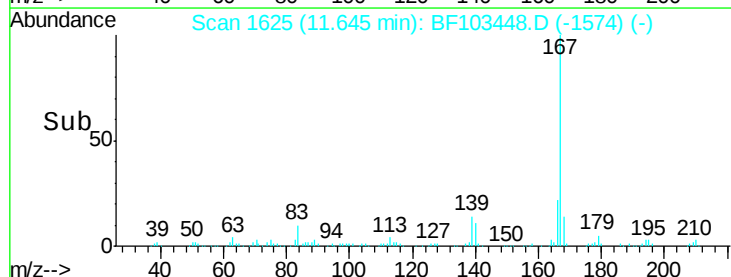


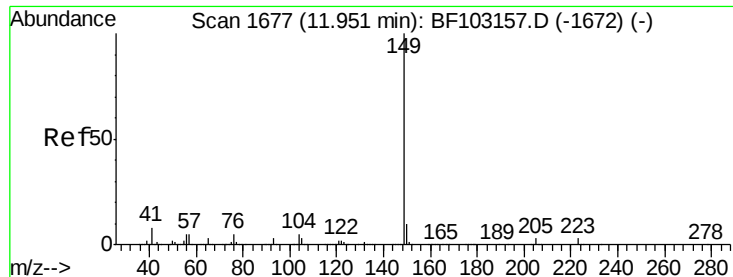
#72
 Carbazole
 Concen: 4.201 ng
 RT: 11.64 min Scan# 1625
 Delta R.T. 0.00 min
 Lab File: BF103448.D
 Acq: 6 Mar 2018 11:50

Tgt Ion:167 Resp: 92997
 Ion Ratio Lower Upper
 167 100
 166 22.9 17.6 26.4
 139 14.8 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





#73

Di-n-butylphthalate

Concen: 18.253 ng

RT: 11.95 min Scan# 1677

Delta R.T. -0.01 min

Lab File: BF103448.D

Acq: 6 Mar 2018 11:50

Instrument :

BNA_F

ClientSampleId :

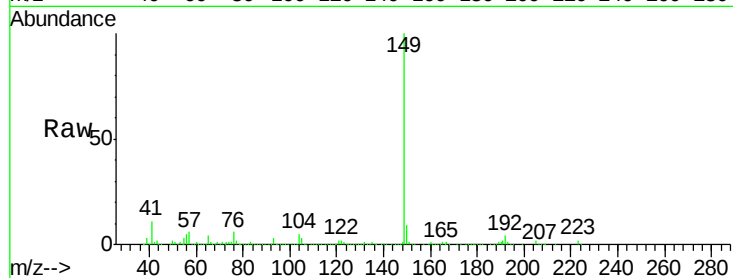
Tot Ion:149 Resp: 505624

Ion Ratio Lower Upper

149 100

150 9.4 7.8 11.6

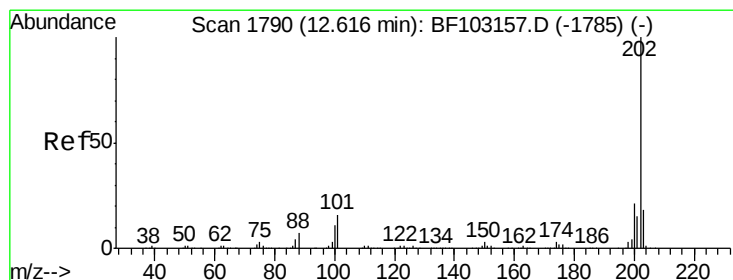
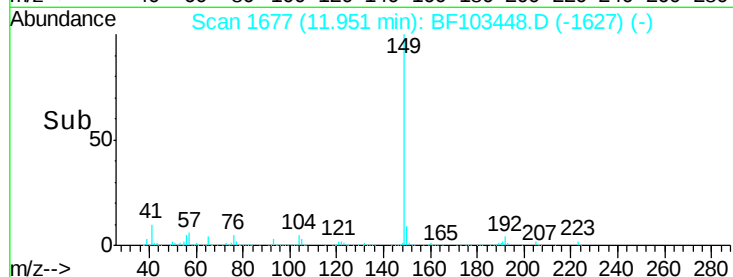
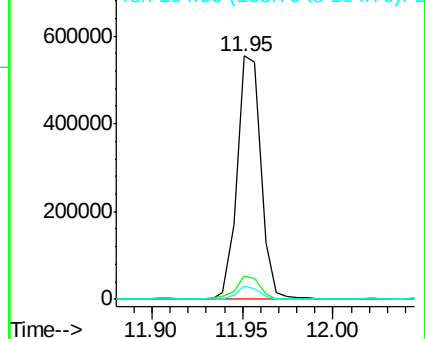
104 5.2 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 46.321 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.00 min

Lab File: BF103448.D

Acq: 6 Mar 2018 11:50

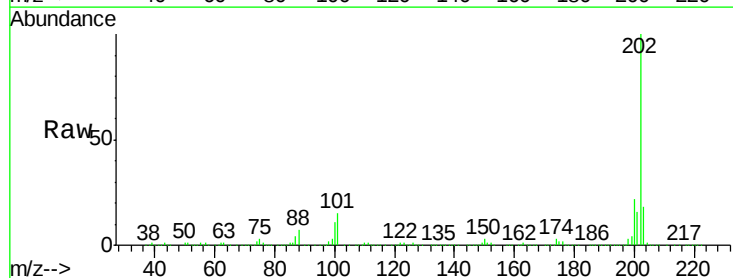
Tgt Ion:202 Resp: 1009079

Ion Ratio Lower Upper

202 100

101 15.0 0.0 34.1

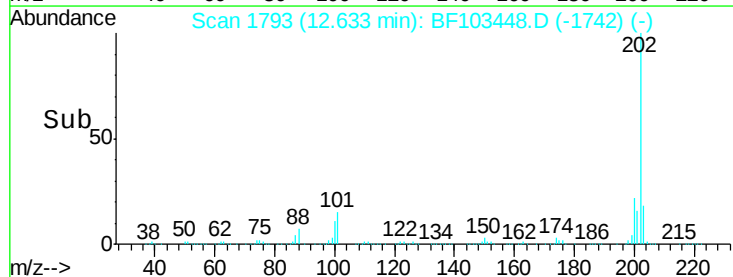
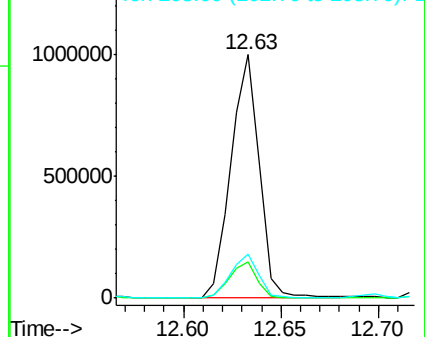
203 18.0 0.0 38.1

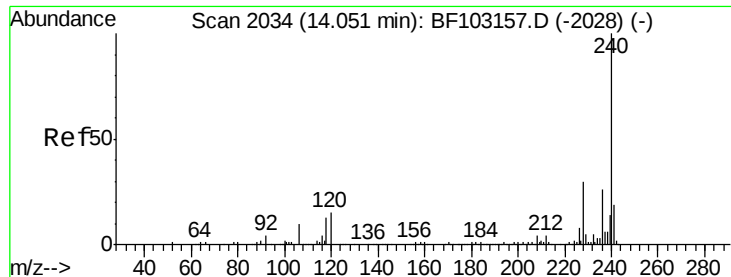


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.09 min Scan# 2040

Delta R.T. 0.02 min

Lab File: BF103448.D

Acq: 6 Mar 2018 11:50

Instrument :

BNA_F

ClientSampleId :

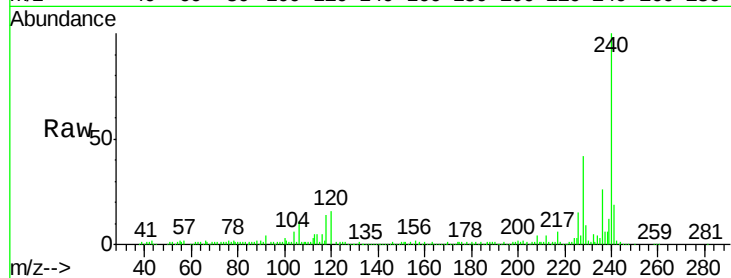
Tot Ion:240 Resp: 255285

Ion Ratio Lower Upper

240 100

120 16.4 9.5 14.3#

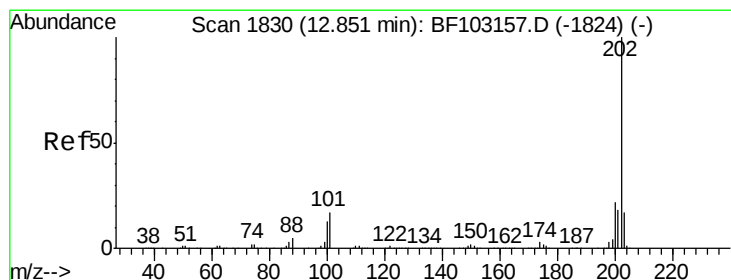
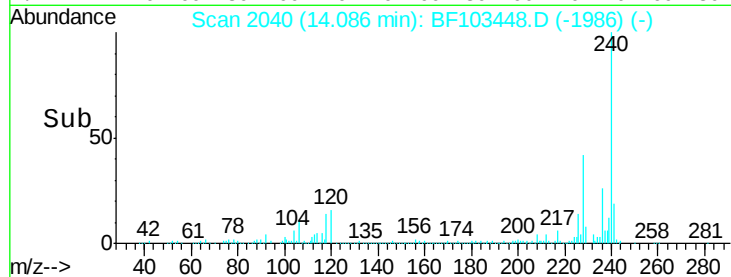
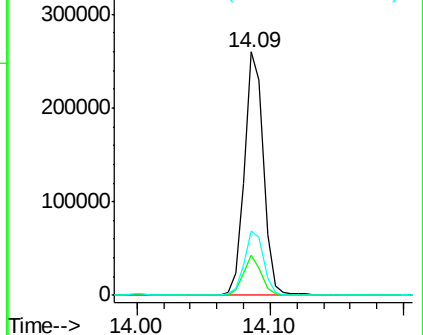
236 26.3 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 44.716 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.00 min

Lab File: BF103448.D

Acq: 6 Mar 2018 11:50

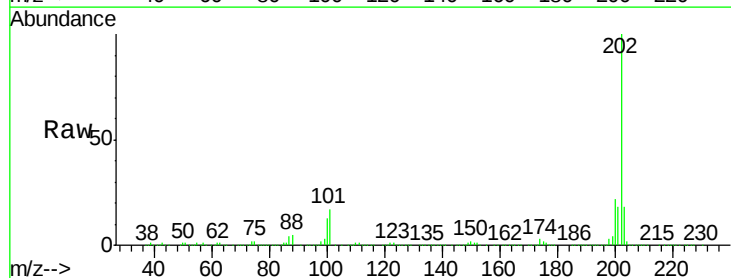
Tgt Ion:202 Resp: 889999

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.2

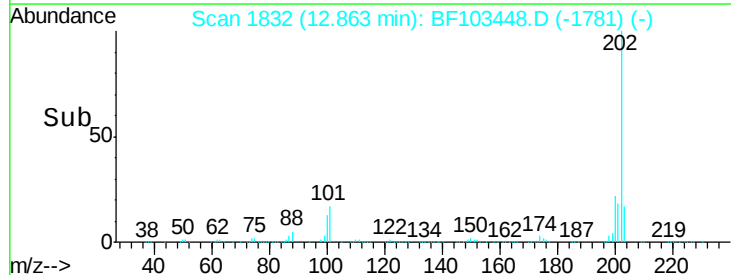
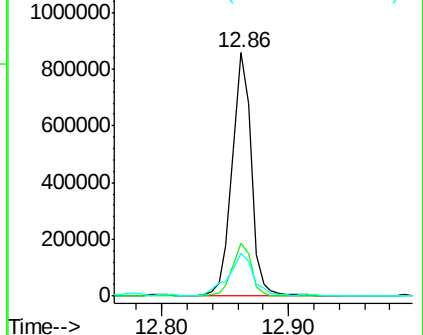
203 17.5 14.3 21.5

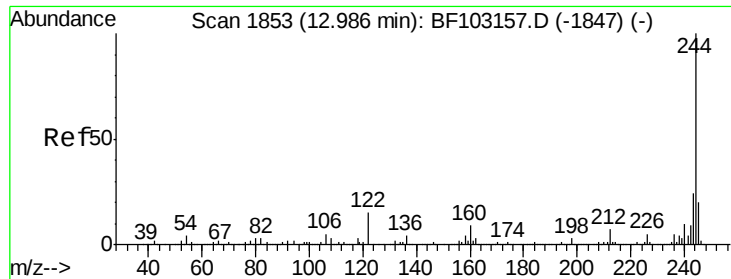


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 72.480 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BF103448.D

Acq: 6 Mar 2018 11:50

Instrument :

BNA_F

ClientSampled :

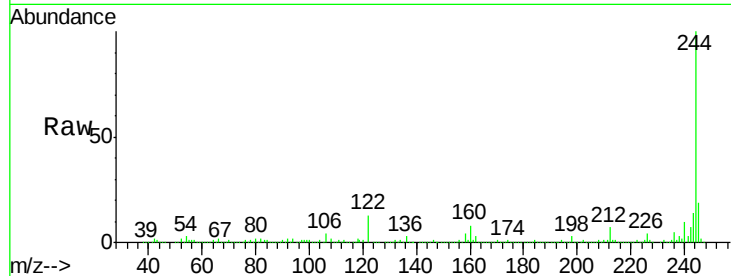
Tot Ion:244 Resp: 769722

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

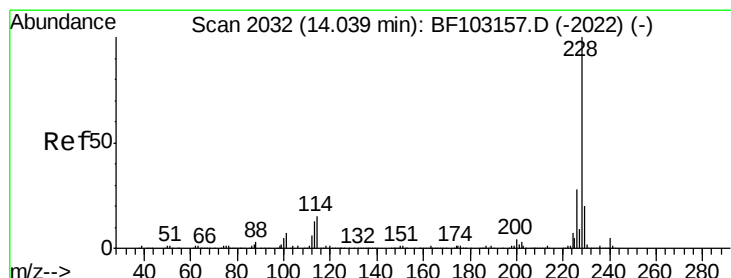
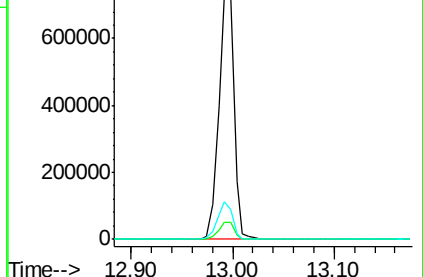
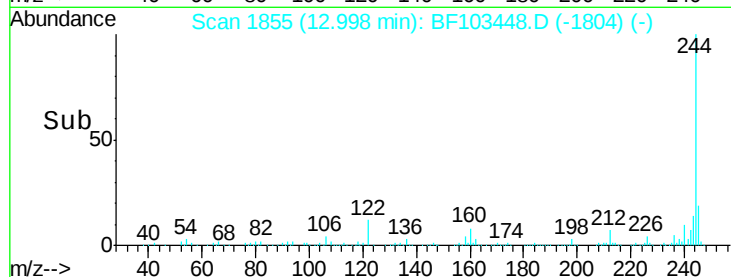
122 12.5 11.0 16.4



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



#80

Benzo(a)anthracene

Concen: 20.570 ng

RT: 14.07 min Scan# 2038

Delta R.T. 0.02 min

Lab File: BF103448.D

Acq: 6 Mar 2018 11:50

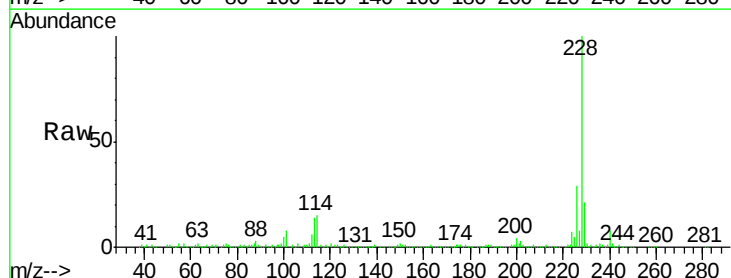
Tgt Ion:228 Resp: 340722

Ion Ratio Lower Upper

228 100

226 28.6 22.6 33.8

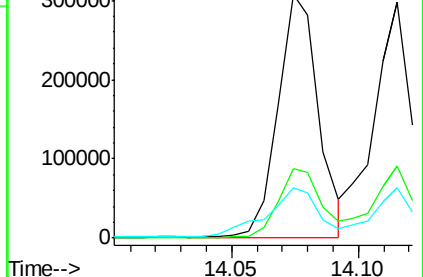
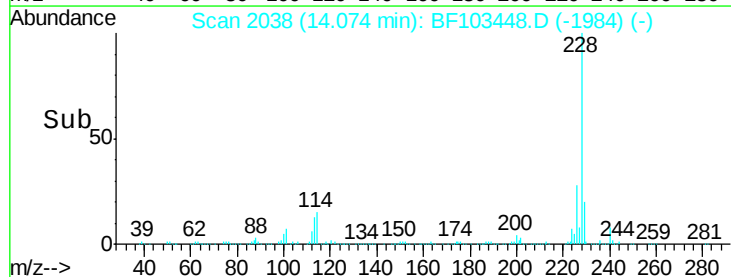
229 20.7 15.8 23.6

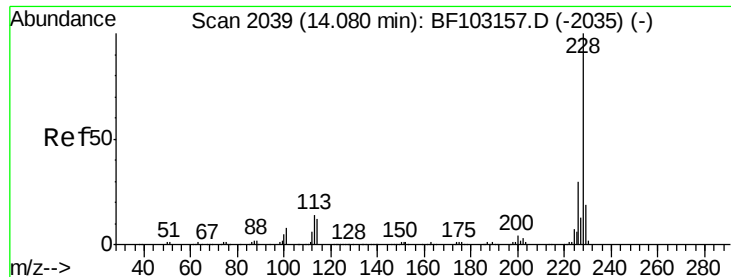


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 18.974 ng

RT: 14.12 min Scan# 2045

Delta R.T. 0.02 min

Lab File: BF103448.D

Acq: 6 Mar 2018 11:50

Instrument :

BNA_F

ClientSampleId :

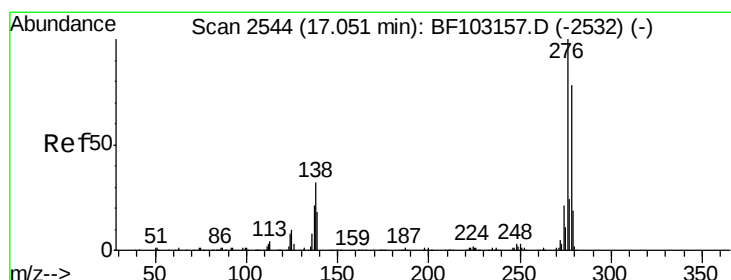
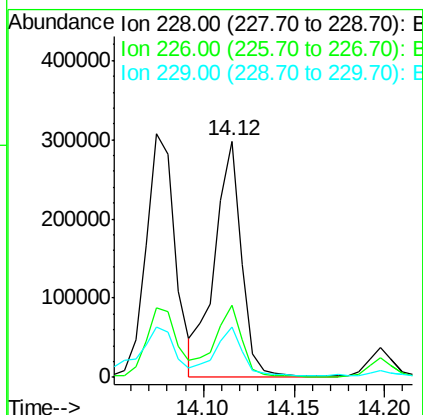
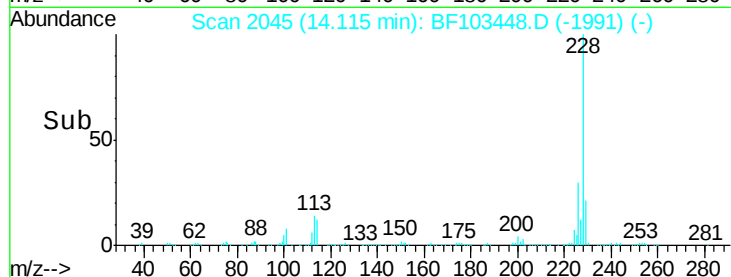
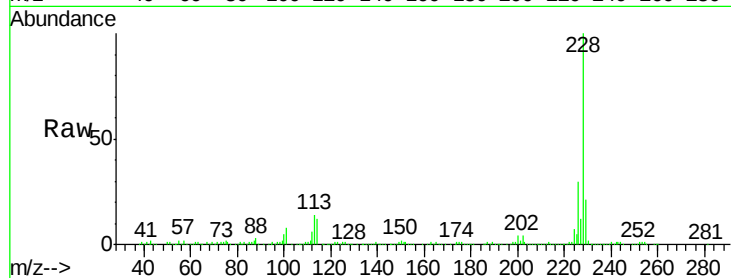
Tot Ion:228 Resp: 305158

Ion Ratio Lower Upper

228 100

226 30.3 25.0 37.6

229 21.2 16.2 24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 10.159 ng

RT: 17.19 min Scan# 2567

Delta R.T. 0.05 min

Lab File: BF103448.D

Acq: 6 Mar 2018 11:50

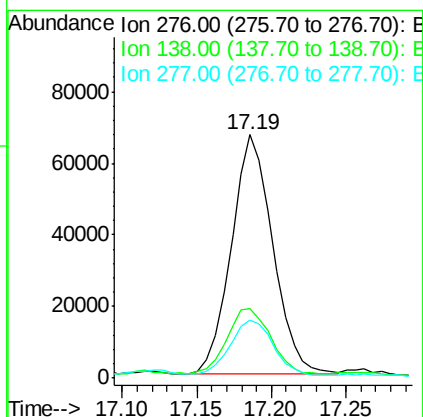
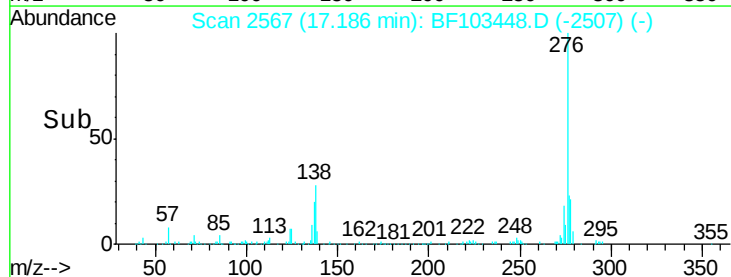
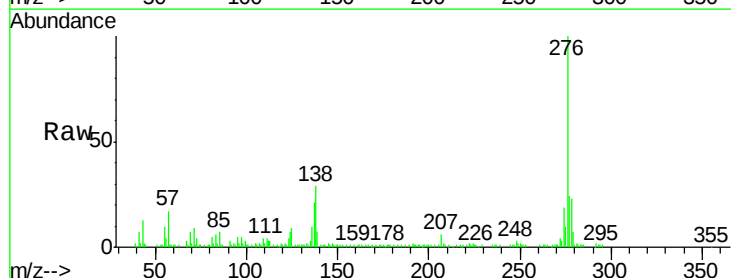
Tgt Ion:276 Resp: 129348

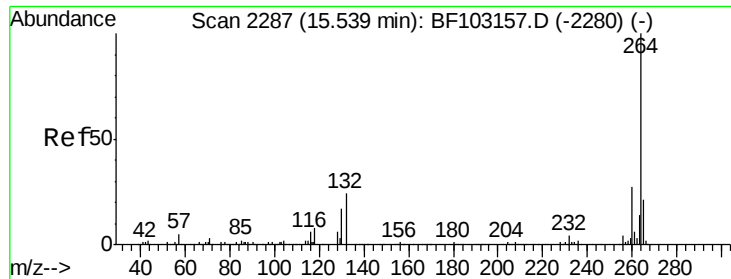
Ion Ratio Lower Upper

276 100

138 30.0 25.0 37.6

277 23.7 20.1 30.1

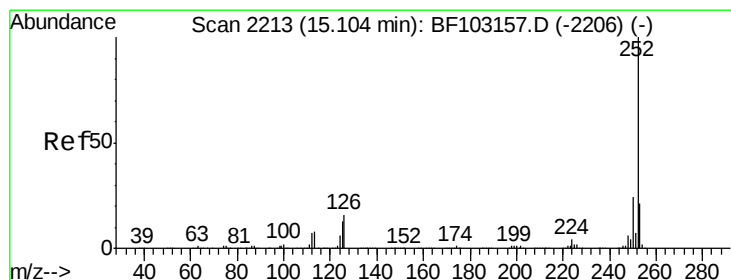
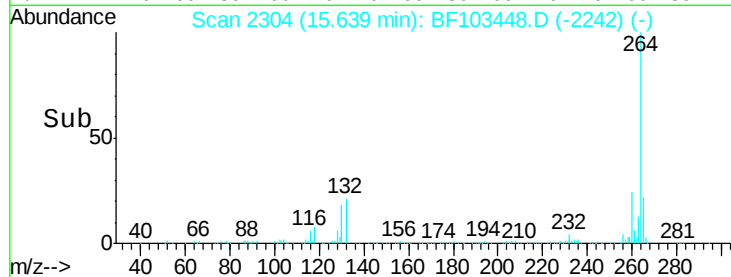
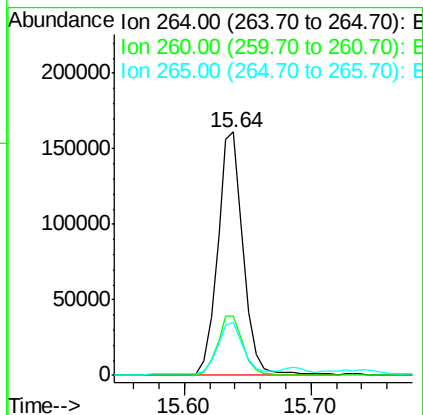
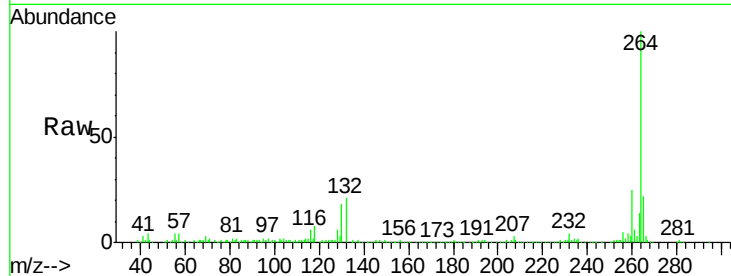




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.64 min Scan# 2304
Delta R.T. 0.06 min
Lab File: BF103448.D
Acq: 6 Mar 2018 11:50

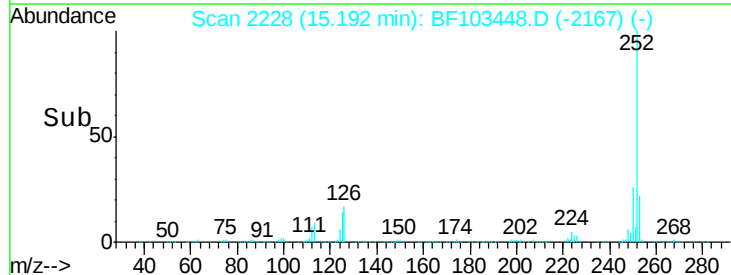
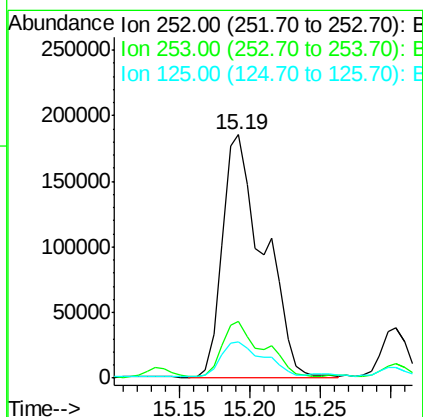
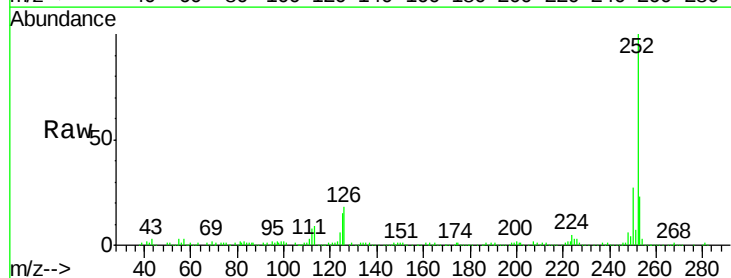
Instrument :
BNA_F
ClientSampleId :

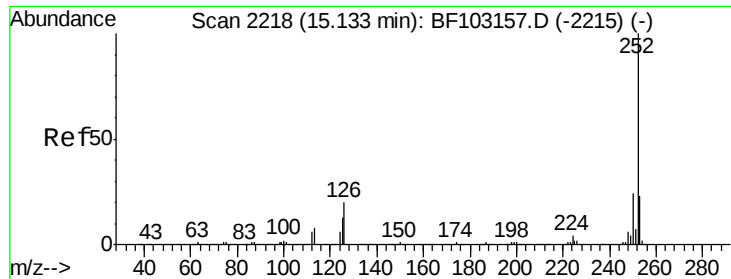
Tot Ion:264 Resp: 224169
Ion Ratio Lower Upper
264 100
260 24.6 19.2 28.8
265 21.9 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 25.426 ng
RT: 15.19 min Scan# 2228
Delta R.T. 0.06 min
Lab File: BF103448.D
Acq: 6 Mar 2018 11:50

Tgt Ion:252 Resp: 374750
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.6
125 15.0 9.0 13.6#

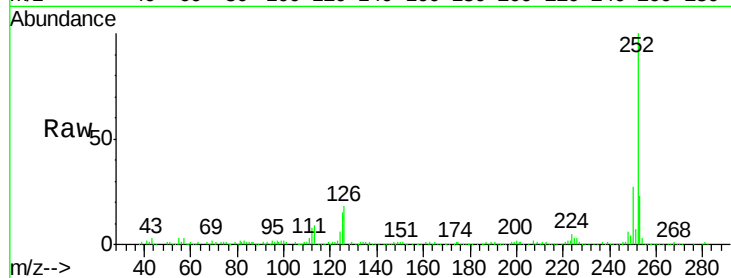




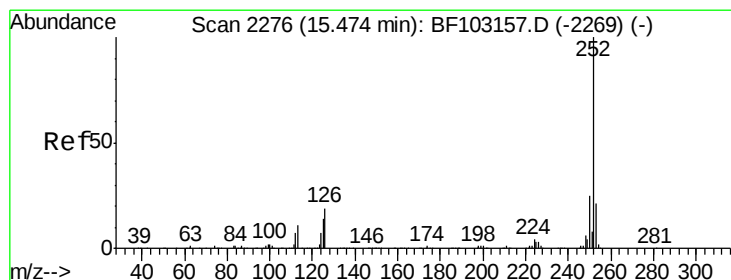
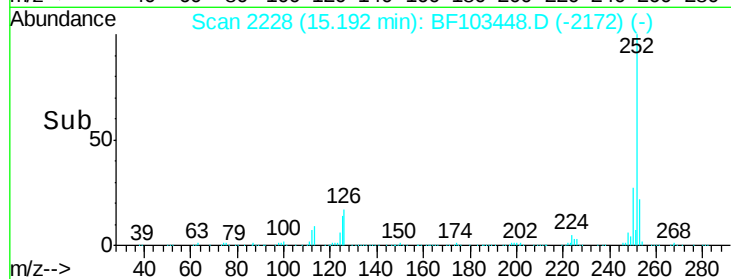
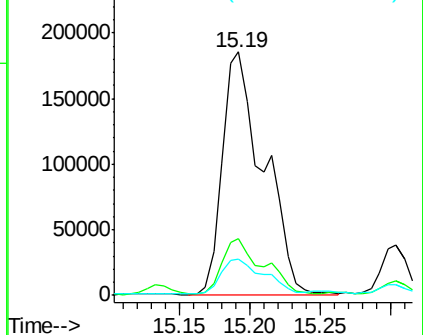
#88
Benzo(k)fluoranthene
Concen: 27.001 ng
RT: 15.19 min Scan# 2228
Delta R.T. 0.03 min
Lab File: BF103448.D
Acq: 6 Mar 2018 11:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 374750
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 15.0 10.2 15.2

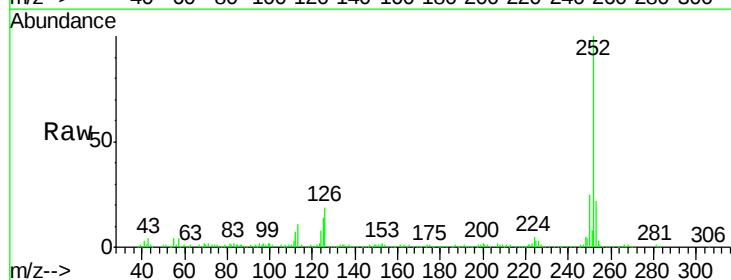


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

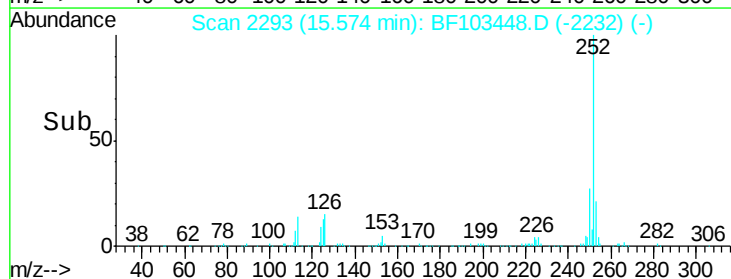
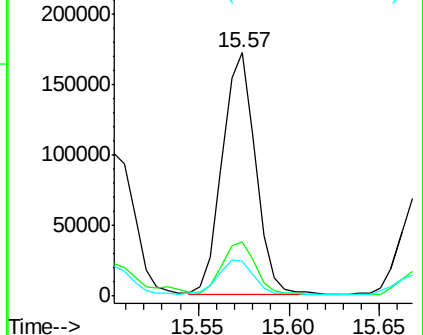


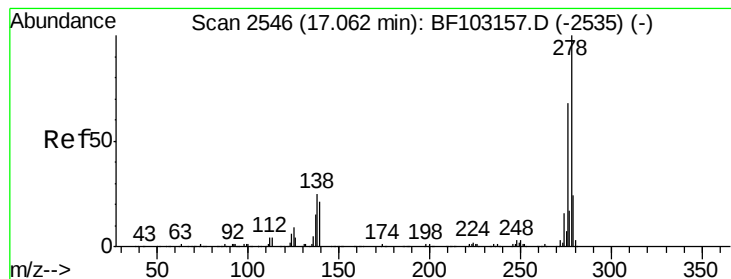
#89
Benzo(a)pyrene
Concen: 16.750 ng
RT: 15.57 min Scan# 2293
Delta R.T. 0.06 min
Lab File: BF103448.D
Acq: 6 Mar 2018 11:50

Tgt Ion:252 Resp: 220458
Ion Ratio Lower Upper
252 100
253 22.3 17.1 25.7
125 14.3 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: 3.105 ng

RT: 17.19 min Scan# 2567

Delta R.T. 0.05 min

Lab File: BF103448.D

Acq: 6 Mar 2018 11:50

Instrument :

BNA_F

ClientSampleId :

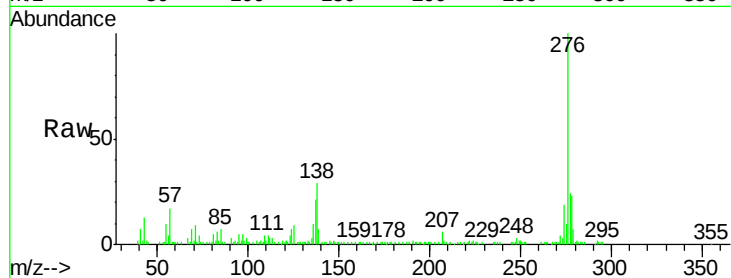
Tot Ion:278 Resp: 31574

Ion Ratio Lower Upper

278 100

139 31.1 15.9 23.9#

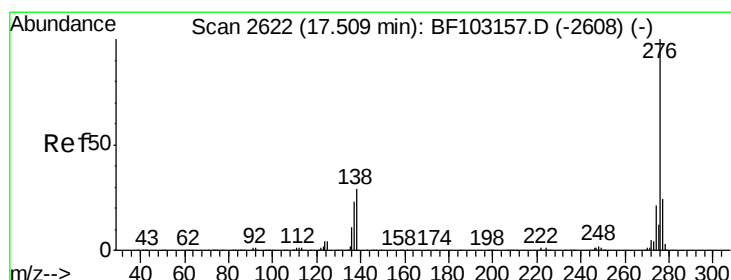
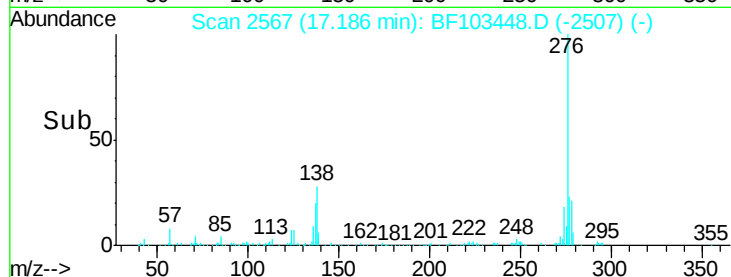
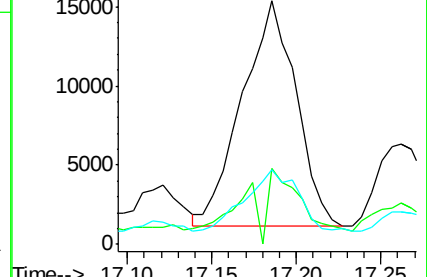
279 30.8 19.0 28.4#



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: 12.487 ng

RT: 17.66 min Scan# 2648

Delta R.T. 0.06 min

Lab File: BF103448.D

Acq: 6 Mar 2018 11:50

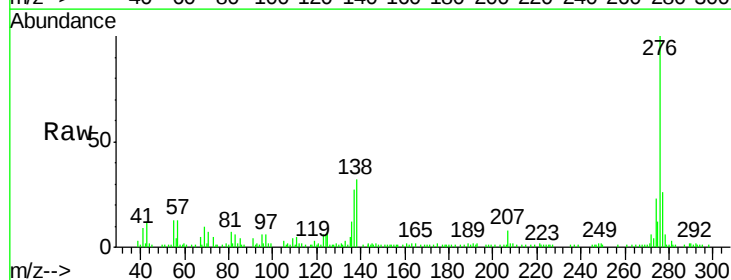
Tgt Ion:276 Resp: 124116

Ion Ratio Lower Upper

276 100

277 25.7 17.9 26.9

138 31.7 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

