

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022118\
 Data File : BF103134.D
 Acq On : 21 Feb 2018 14:17
 Operator : SJ/JU
 Sample : J1398-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-022018

Quant Time: Feb 21 15:20:51 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 16 14:34:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	162254	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	656660	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	266750	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	398259	20.00	ng	0.00
75) Chrysene-d12	14.05	240	309106	20.00	ng	0.00
86) Perylene-d12	15.54	264	247924	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	973311	91.10	ng	0.00
7) Phenol-d6	6.51	99	1160771	90.23	ng	0.00
23) Nitrobenzene-d5	7.44	82	741755	78.36	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	197247	91.87	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	974518	60.62	ng	0.00
78) Terphenyl-d14	12.99	244	711793	54.52	ng	0.00

Target Compounds

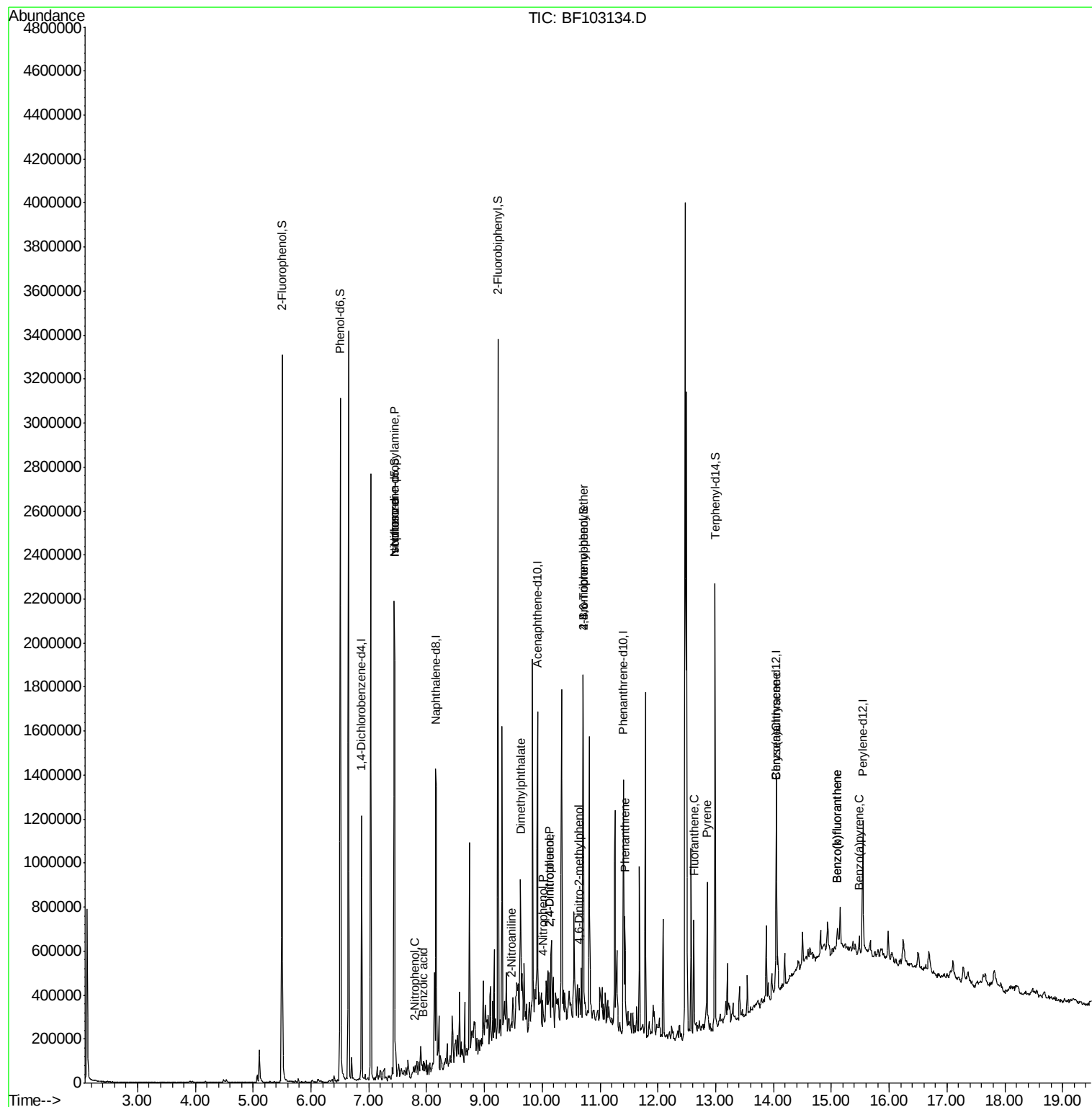
						Qvalue
19) n-Nitroso-di-n-propylamine	7.44	70	96797	11.412	ng	# 82
25) Isophorone	7.44	82	741755	34.030	ng	# 64
26) 2-Nitrophenol	7.79	139	122	8.688	ng	# 1
32) Benzoic acid	7.94	122	110	8.559	ng	# 58
47) 2-Nitroaniline	9.47	65	716	3.594	ng	# 1
49) Dimethylphthalate	9.62	163	93421	4.492	ng	# 98
53) 2,4-Dinitrophenol	10.13	184	124	8.096	ng	# 15
55) 4-Nitrophenol	10.02	139	2267	4.562	ng	# 5
56) 2,4-Dinitrotoluene	10.12	165	1709	3.377	ng	# 40
64) 4,6-Dinitro-2-methylphenol	10.63	198	117	8.857	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	12499	2.967	ng	# 1
70) Phenanthrene	11.43	178	149104	6.722	ng	99
74) Fluoranthene	12.62	202	175956	7.885	ng	97
77) Pyrene	12.85	202	148068	6.109	ng	98
80) Benzo(a)anthracene	14.04	228	63747	3.279	ng	96
82) Chrysene	14.04	228	63747	3.253	ng	95
87) Benzo(b)fluoranthene	15.10	252	75259	4.682	ng	# 77
88) Benzo(k)fluoranthene	15.10	252	75259	4.900	ng	# 80
89) Benzo(a)pyrene	15.48	252	33435	2.311	ng	# 78

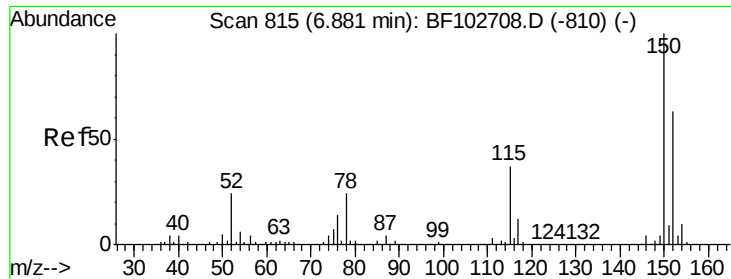
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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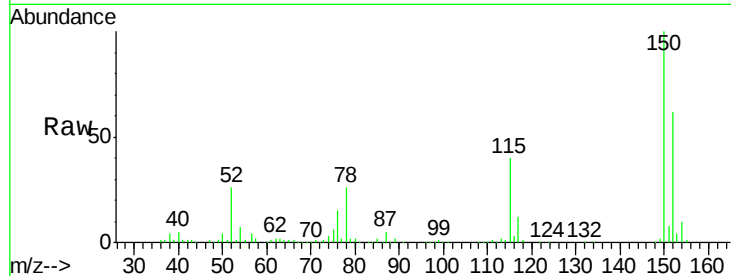


#1

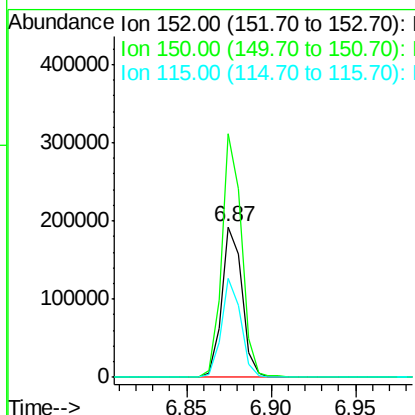
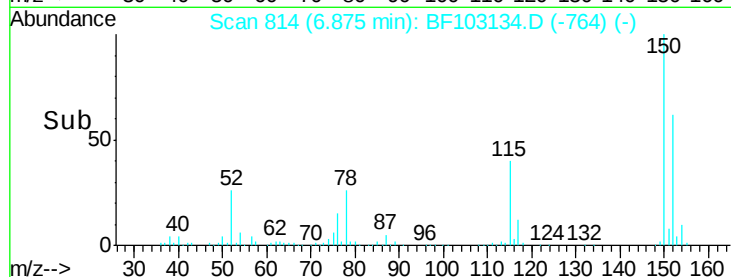
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103134.D
Acq: 21 Feb 2018 14:17

Instrument :
BNA_F
ClientSampleId :
OK-02-022018

Tot Ion:152 Resp: 162254
Ion Ratio Lower Upper
152 100
150 161.7 124.6 186.8
115 65.4 50.1 75.1



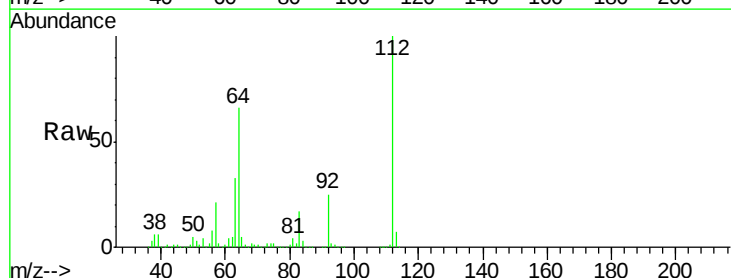
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



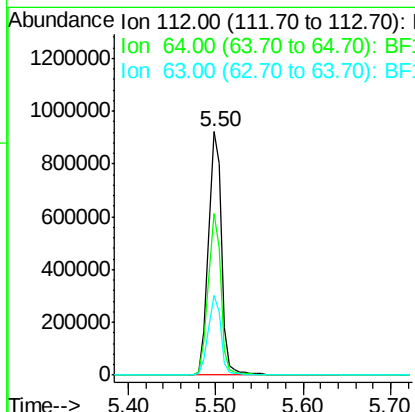
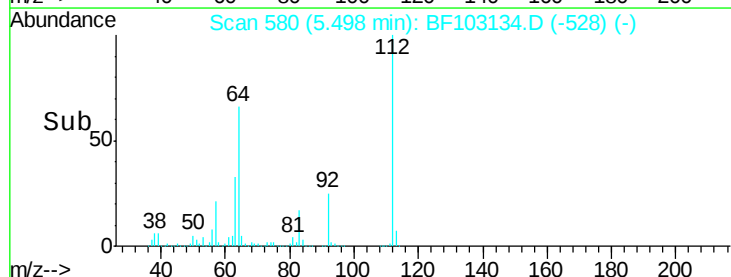
#5

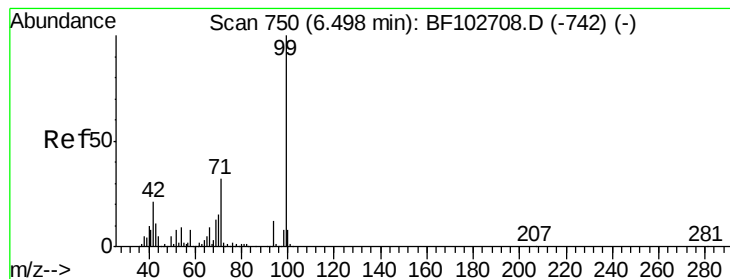
2-Fluorophenol
Concen: 91.100 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103134.D
Acq: 21 Feb 2018 14:17

Tgt Ion:112 Resp: 973311
Ion Ratio Lower Upper
112 100
64 66.3 47.9 71.9
63 32.8 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: 90.232 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF103134.D

Acq: 21 Feb 2018 14:17

Instrument :

BNA_F

ClientSampleId :

OK-02-022018

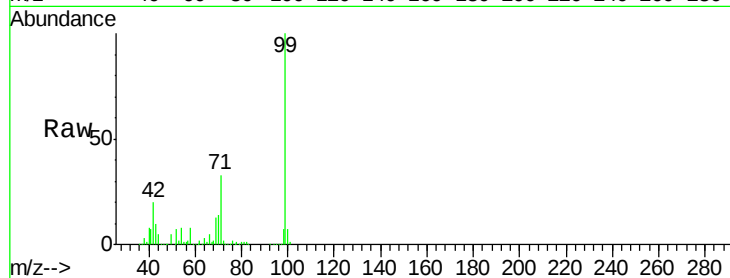
Tot Ion: 99 Resp: 1160771

Ion Ratio Lower Upper

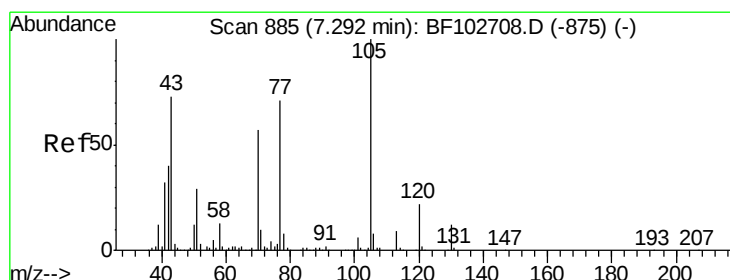
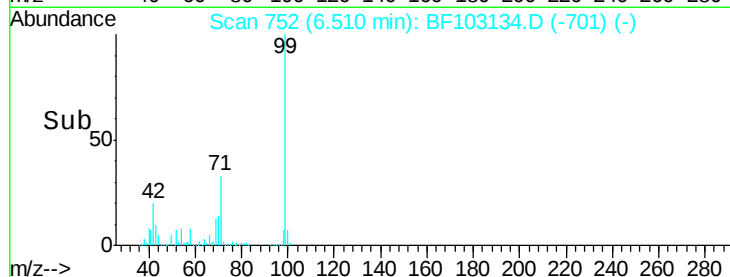
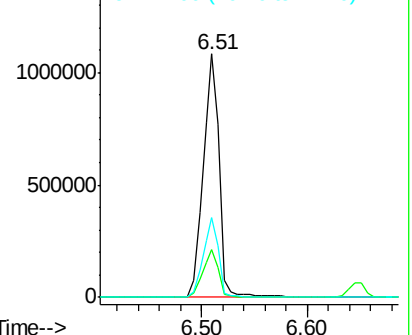
99 100

42 19.5 14.5 21.7

71 33.0 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



#19

n-Nitroso-di-n-propylamine

Concen: 11.412 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103134.D

Acq: 21 Feb 2018 14:17

Tgt Ion: 70 Resp: 96797

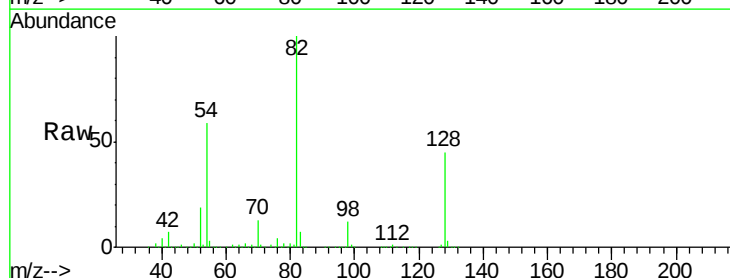
Ion Ratio Lower Upper

70 100

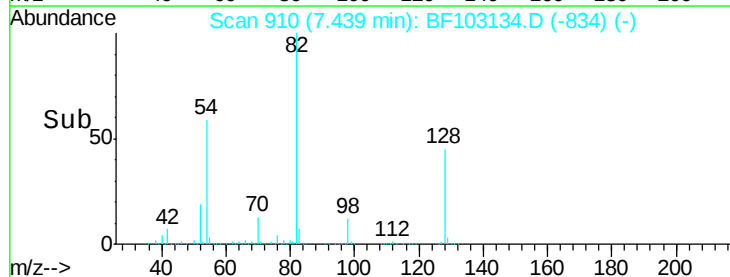
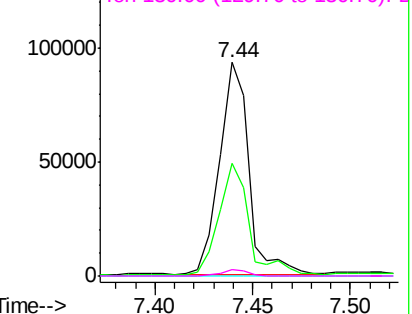
42 52.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.8 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF103134.D

Acq: 21 Feb 2018 14:17

Instrument :

BNA_F

ClientSampleId :

OK-02-022018

Tot Ion:136 Resp: 656660

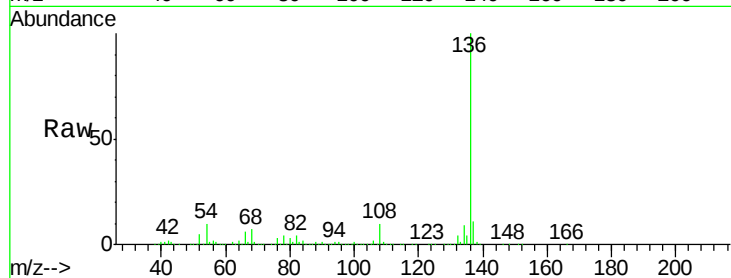
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 10.2 6.6 9.8#

68 7.1 5.0 7.4

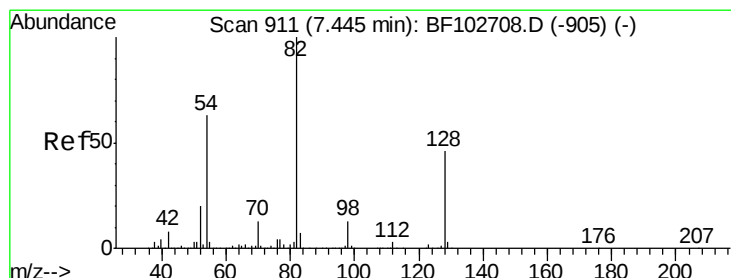
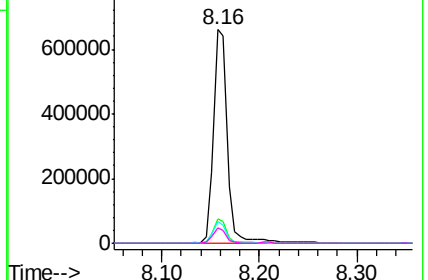
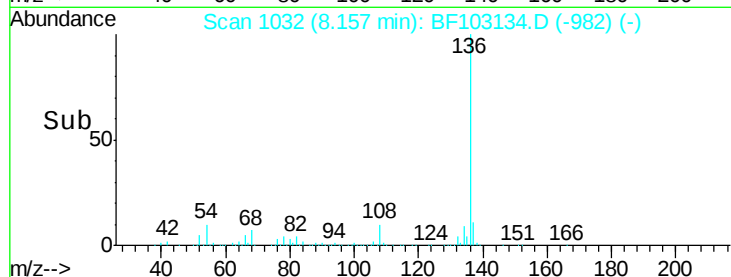


Abundance Ion 136.00 (135.70 to 136.70): E

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: 78.360 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF103134.D

Acq: 21 Feb 2018 14:17

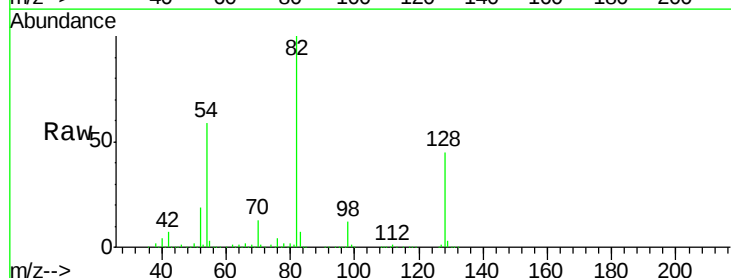
Tgt Ion: 82 Resp: 741755

Ion Ratio Lower Upper

82 100

128 44.8 36.1 54.1

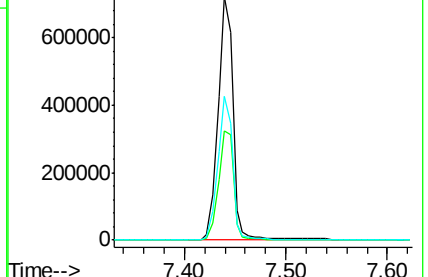
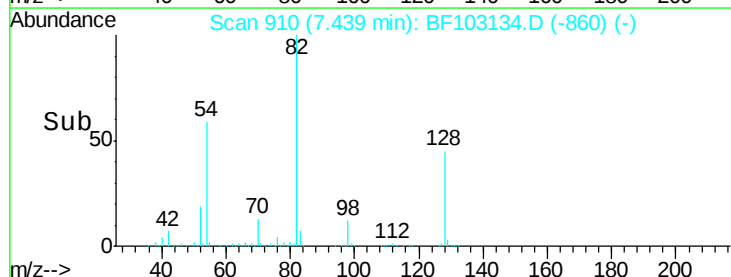
54 59.2 41.4 62.2



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: 34.030 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103134.D

Acq: 21 Feb 2018 14:17

Instrument :

BNA_F

ClientSampleId :

OK-02-022018

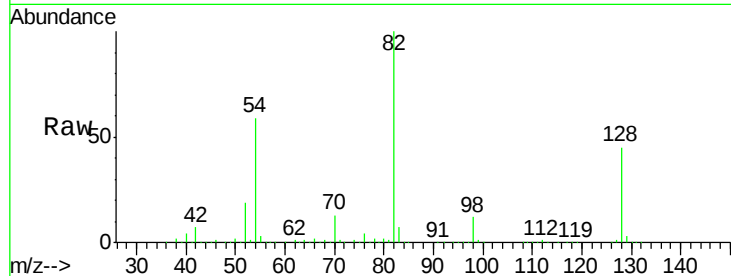
Tot Ion: 82 Resp: 741755

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

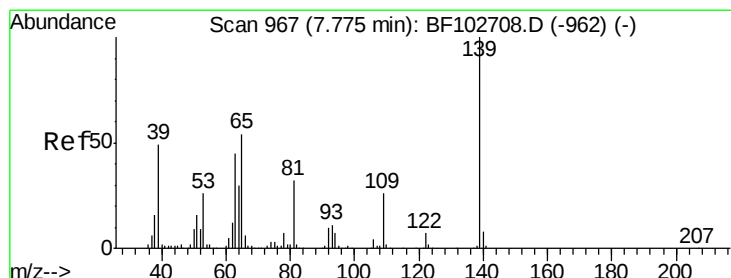
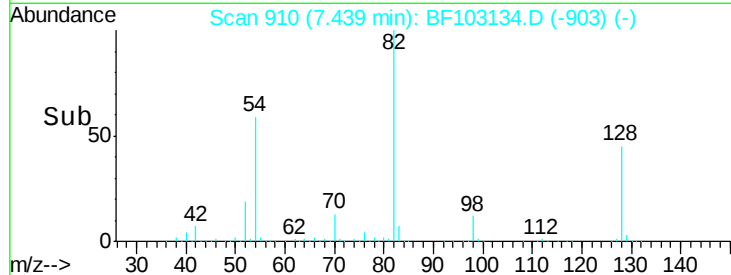
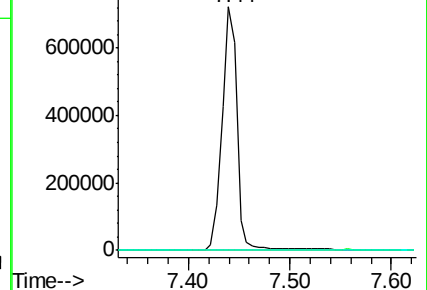
138 0.0 14.9 22.3#



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



#26

2-Nitrophenol

Concen: 8.688 ng

RT: 7.79 min Scan# 970

Delta R.T. 0.01 min

Lab File: BF103134.D

Acq: 21 Feb 2018 14:17

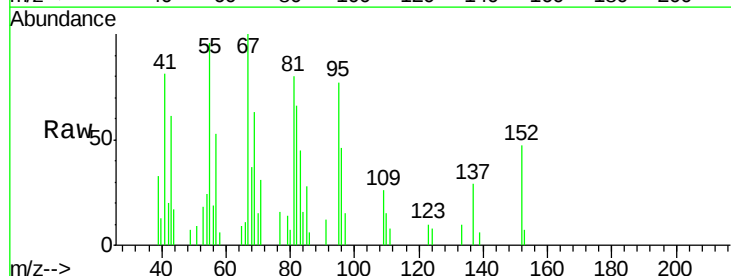
Tgt Ion: 139 Resp: 122

Ion Ratio Lower Upper

139 100

109 456.9 22.7 34.1#

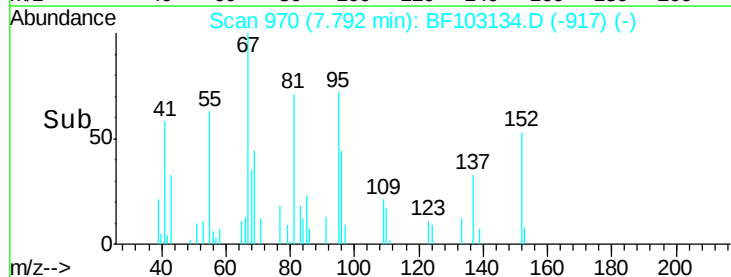
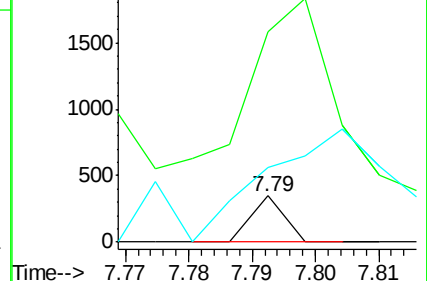
65 163.6 40.5 60.7#

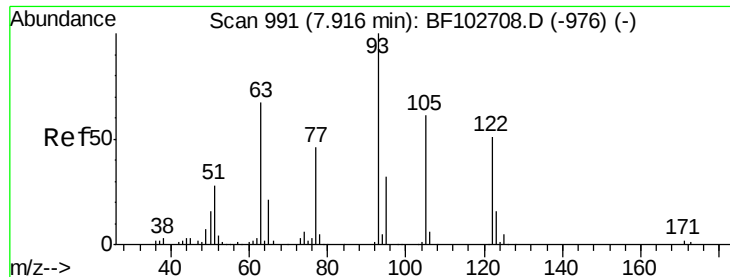


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#32

Benzoic acid

Concen: 8.559 ng

RT: 7.94 min Scan# 995

Delta R.T. -0.01 min

Lab File: BF103134.D

Acq: 21 Feb 2018 14:17

Instrument :

BNA_F

ClientSampleId :

OK-02-022018

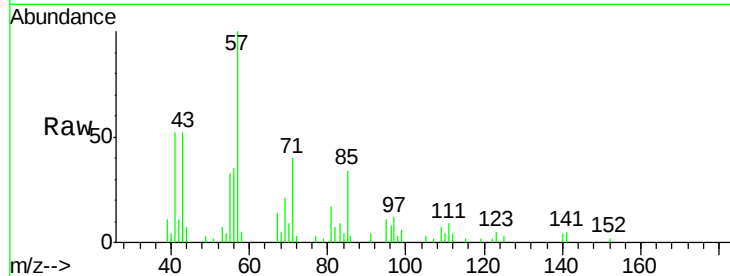
Tot Ion:122 Resp: 110

Ion Ratio Lower Upper

122 100

105 170.3 101.1 141.1#

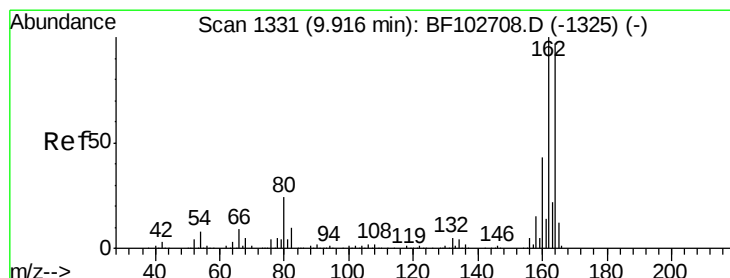
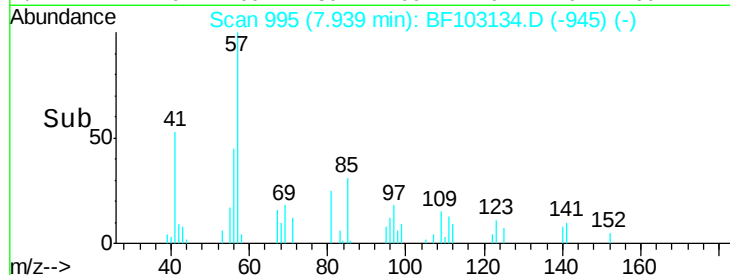
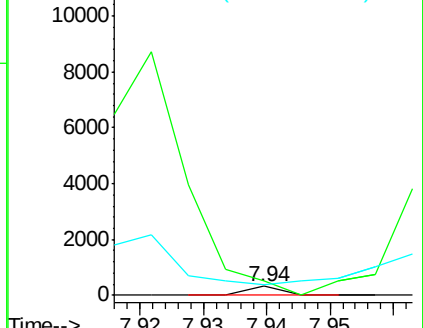
77 128.4 70.7 110.7#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF103134.D

Acq: 21 Feb 2018 14:17

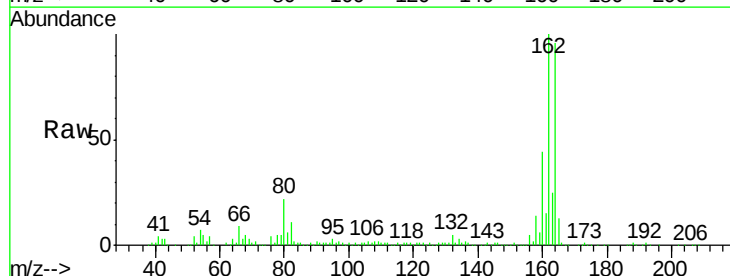
Tgt Ion:164 Resp: 266750

Ion Ratio Lower Upper

164 100

162 103.8 86.1 129.1

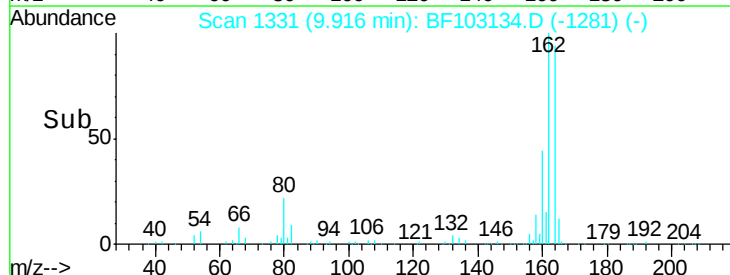
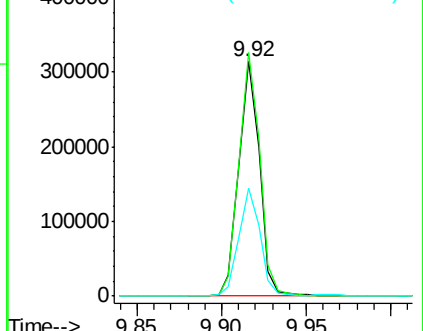
160 45.8 38.3 57.5

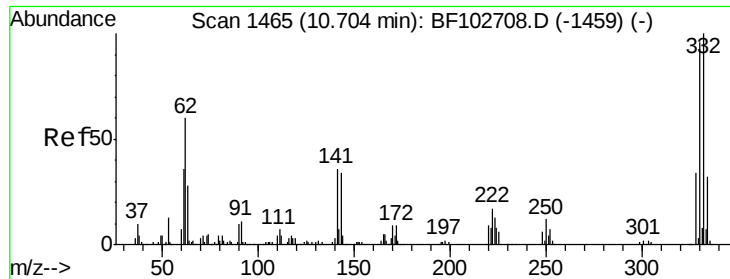


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

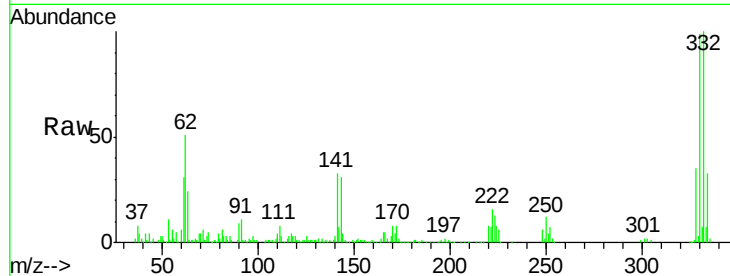




#41
 2,4,6-Tribromophenol
 Concen: 91.870 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF103134.D
 Acq: 21 Feb 2018 14:17

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-022018

Tot Ion	Ratio	Lower	Upper
330	100		
332	101.6	77.0	115.6
141	39.2	29.9	44.9

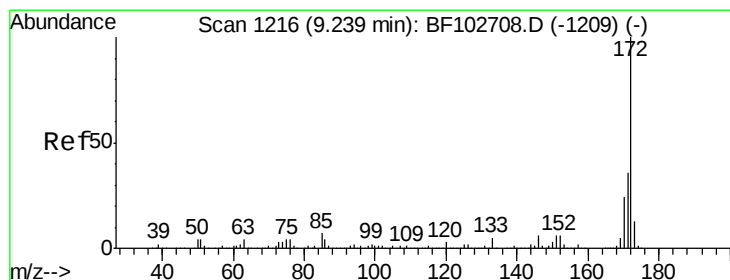
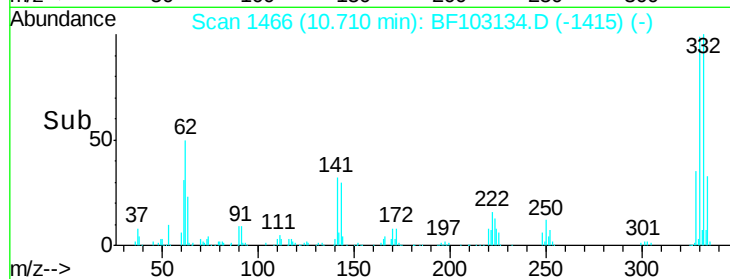
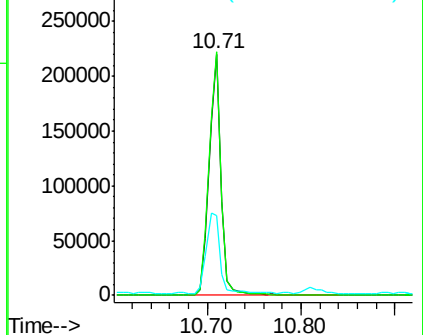


Abundance

Ion 329.80 (329.50 to 330.50): E

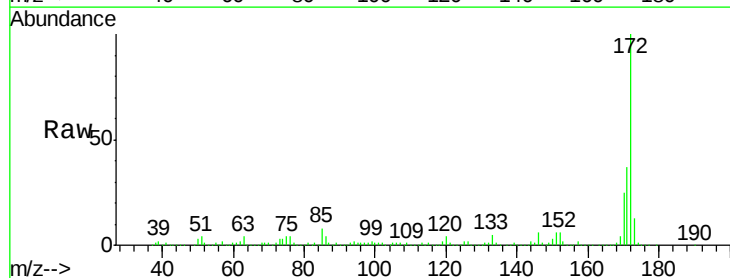
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 60.621 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103134.D
 Acq: 21 Feb 2018 14:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.7	44.5
170	24.8	19.6	29.4

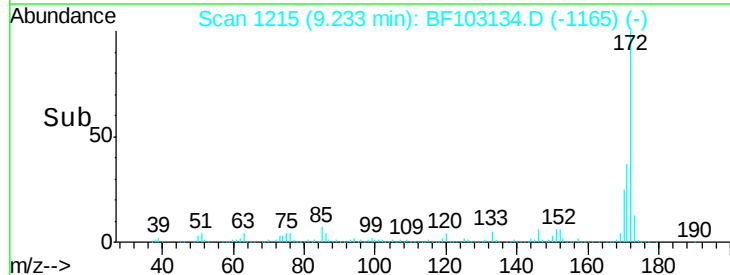
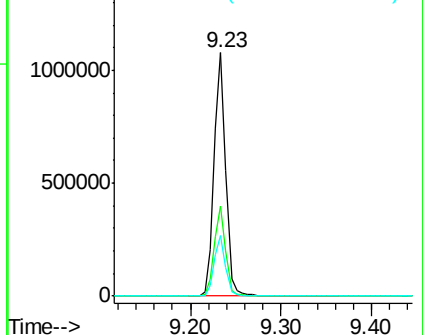


Abundance

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





#47

2-Nitroaniline

Concen: 3.594 ng

RT: 9.47 min Scan# 1255

Delta R.T. 0.01 min

Lab File: BF103134.D

Acq: 21 Feb 2018 14:17

Instrument :

BNA_F

ClientSampleId :

OK-02-022018

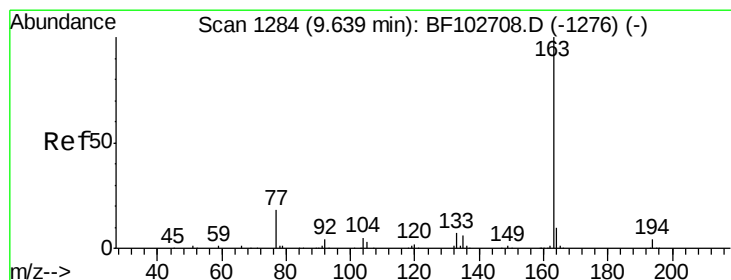
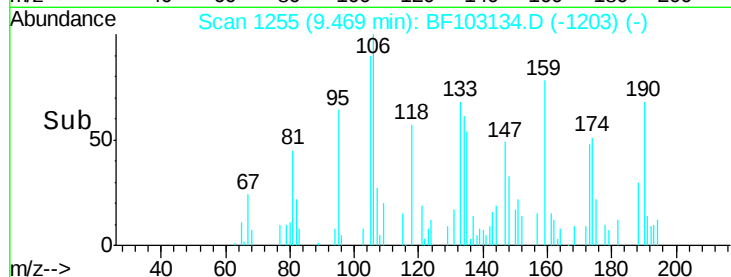
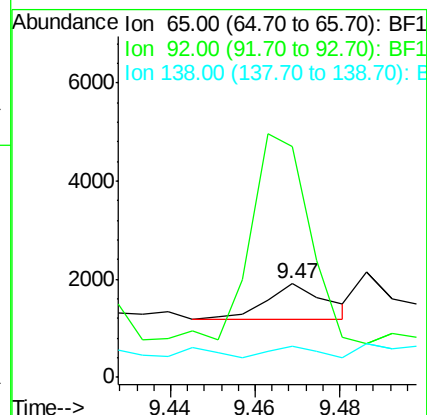
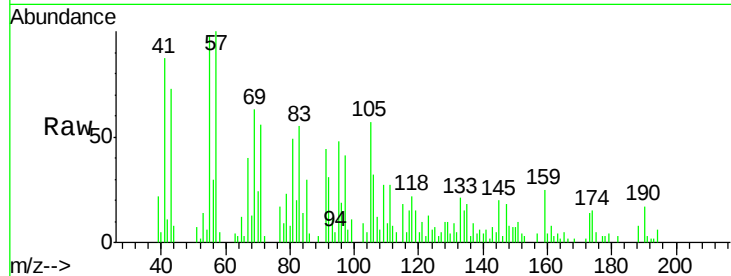
Tot Ion: 65 Resp: 716

Ion Ratio Lower Upper

65 100

92 247.0 55.8 83.6#

138 32.7 91.2 136.8#



#49

Dimethylphthalate

Concen: 4.492 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF103134.D

Acq: 21 Feb 2018 14:17

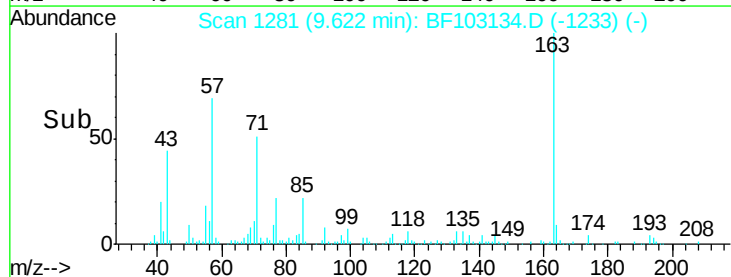
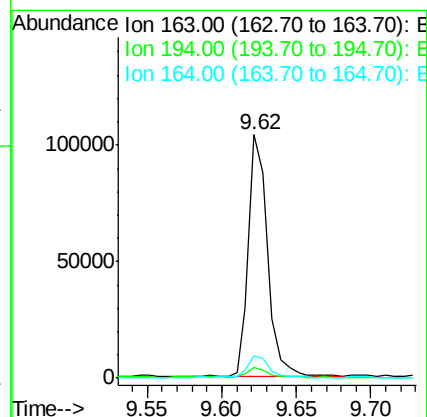
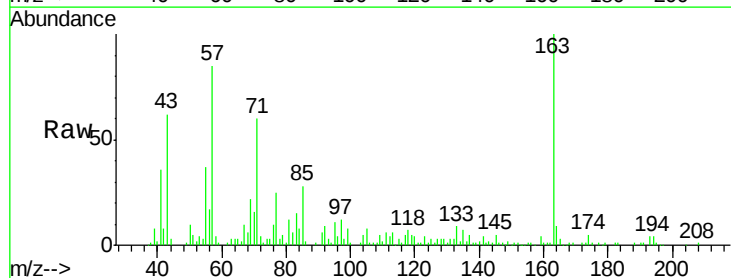
Tgt Ion: 163 Resp: 93421

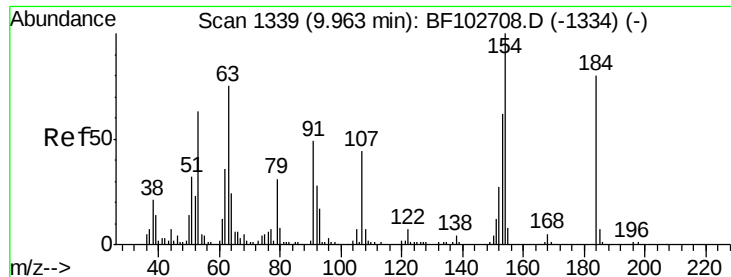
Ion Ratio Lower Upper

163 100

194 4.2 2.7 4.1#

164 9.3 8.2 12.2

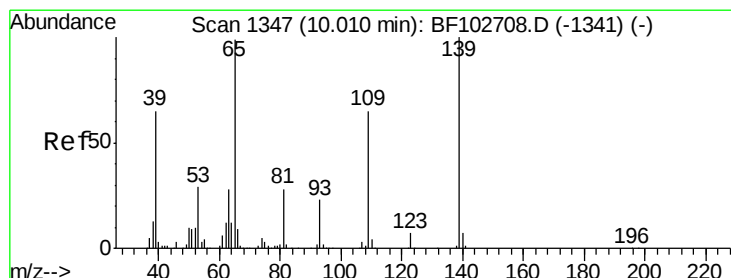
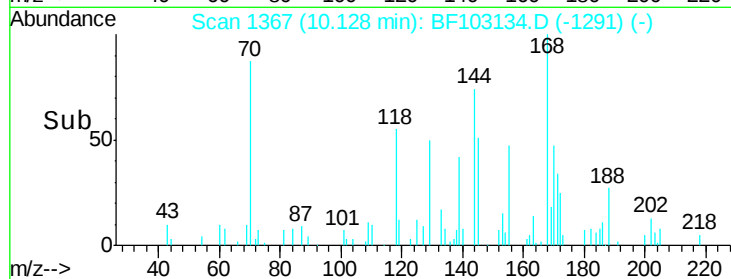
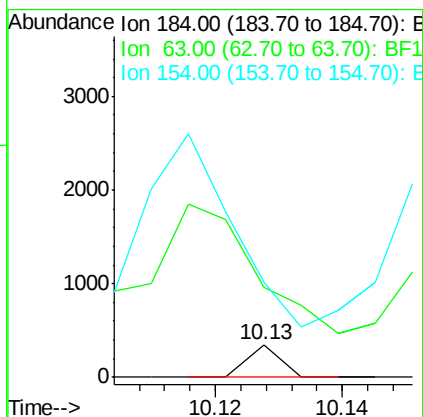
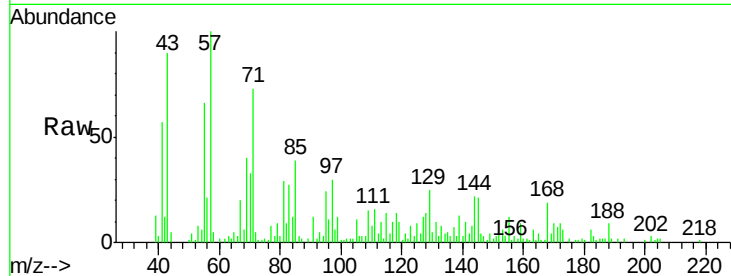




#53
 2,4-Dinitrophenol
 Concen: 8.096 ng
 RT: 10.13 min Scan# 1367
 Delta R.T. 0.15 min
 Lab File: BF103134.D
 Acq: 21 Feb 2018 14:17

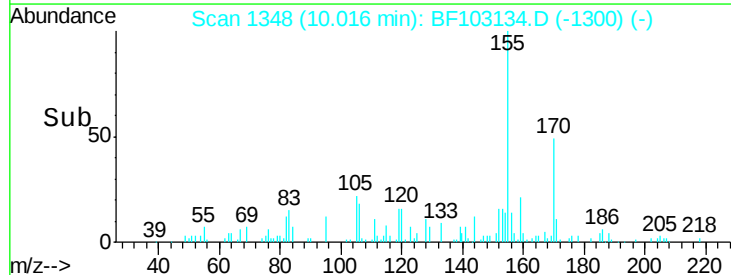
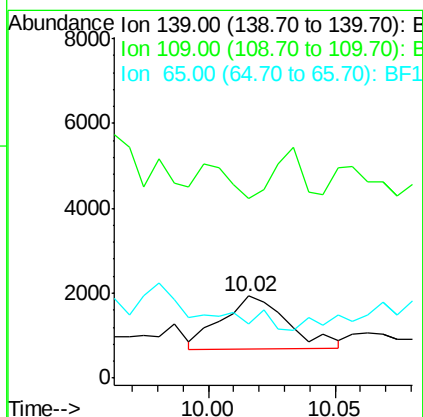
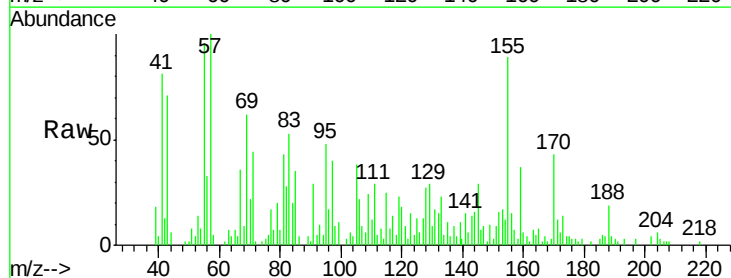
Instrument :
 BNA_F
 ClientSampleId :
 OK-02-022018

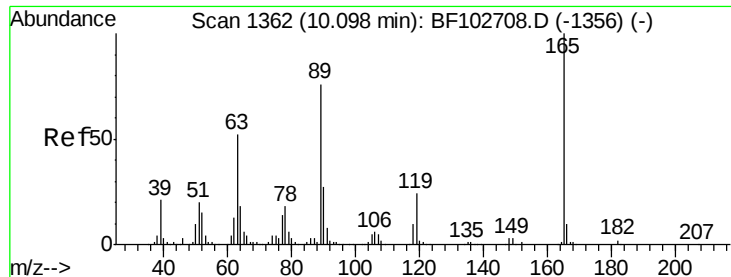
Tot Ion:184 Resp: 124
 Ion Ratio Lower Upper
 184 100
 63 273.6 54.2 81.2#
 154 286.9 184.0 276.0#



#55
 4-Nitrophenol
 Concen: 4.562 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.02 min
 Lab File: BF103134.D
 Acq: 21 Feb 2018 14:17

Tgt Ion:139 Resp: 2267
 Ion Ratio Lower Upper
 139 100
 109 219.7 48.4 88.4#
 65 66.6 72.6 112.6#

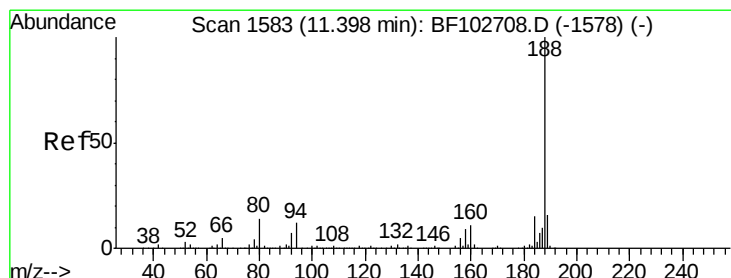
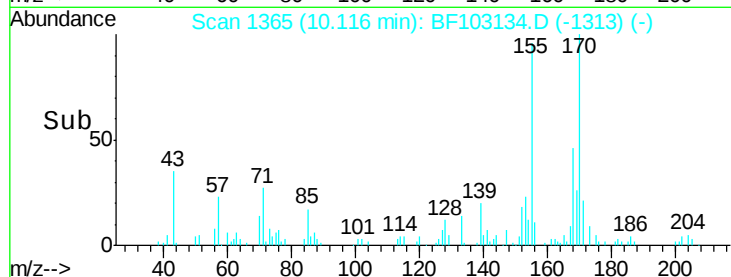
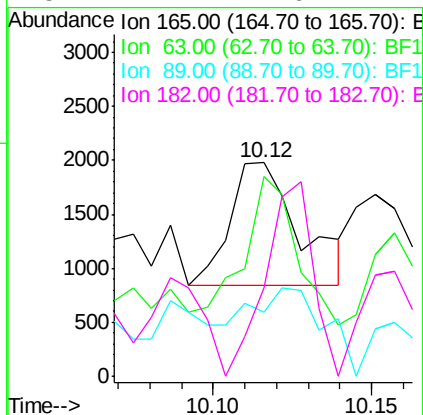
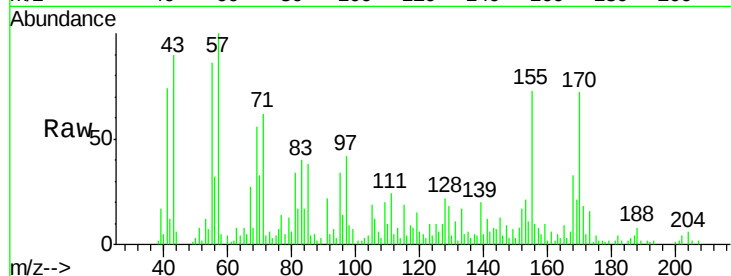




#56
2,4-Dinitrotoluene
Concen: 3.377 ng
RT: 10.12 min Scan# 1365
Delta R.T. 0.01 min
Lab File: BF103134.D
Acq: 21 Feb 2018 14:17

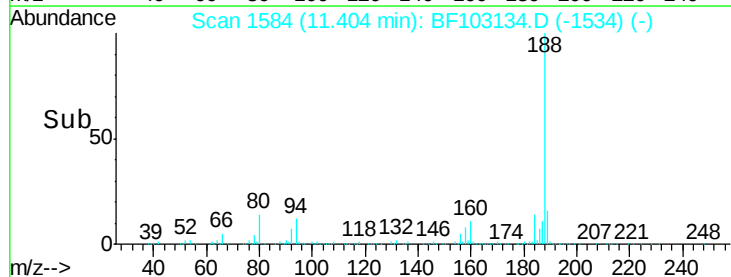
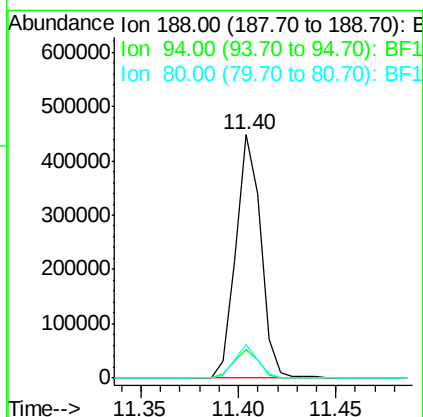
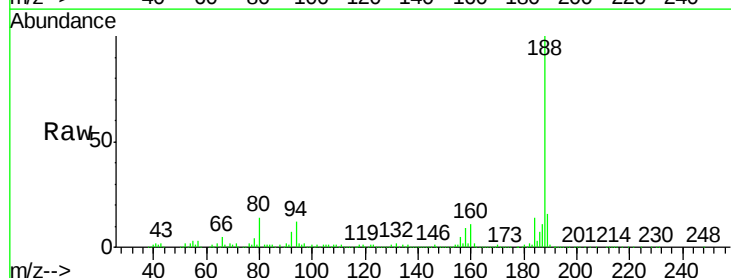
Instrument :
BNA_F
ClientSampleId :
OK-02-022018

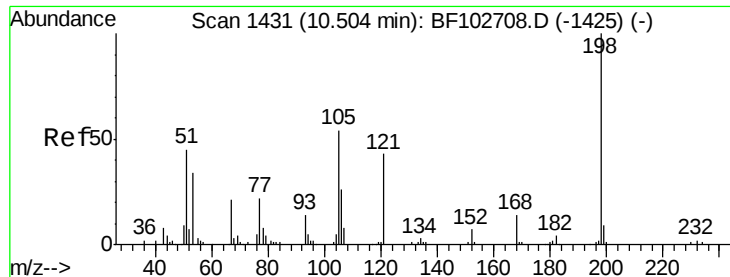
Tot Ion:165 Resp: 1709
Ion Ratio Lower Upper
165 100
63 93.3 36.4 54.6#
89 29.7 57.8 86.6#
182 41.2 1.6 2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF103134.D
Acq: 21 Feb 2018 14:17

Tgt Ion:188 Resp: 398259
Ion Ratio Lower Upper
188 100
94 11.9 8.5 12.7
80 13.8 9.2 13.8#

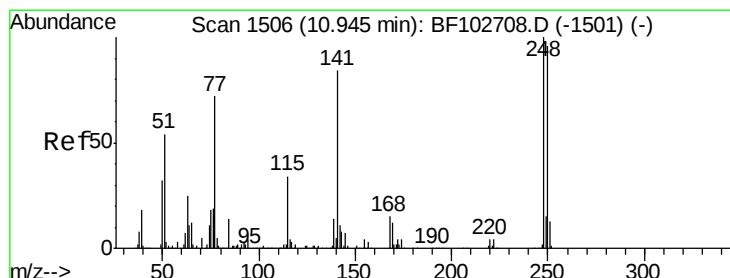
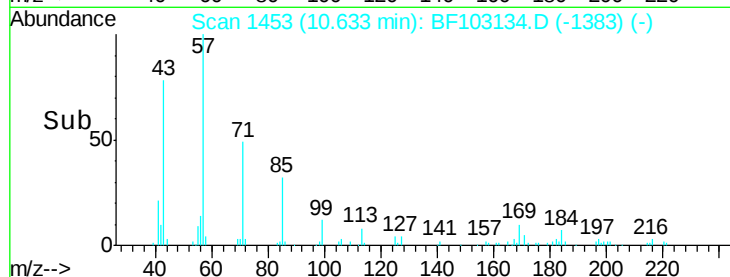
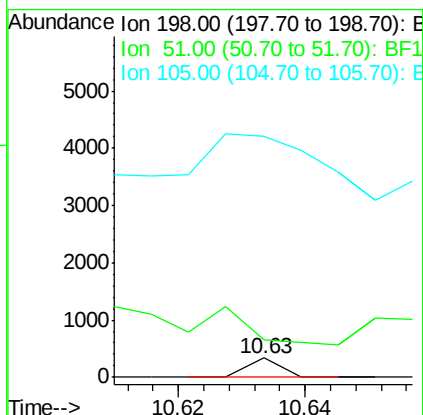
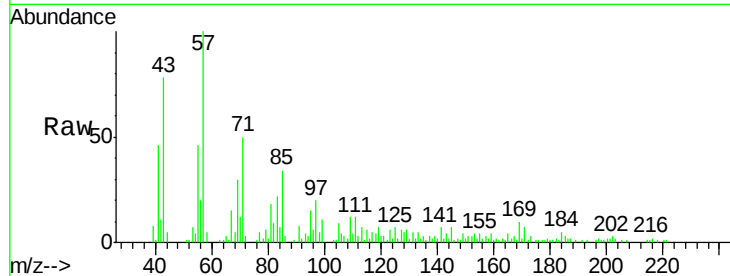




#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.857 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.11 min
 Lab File: BF103134.D
 Acq: 21 Feb 2018 14:17

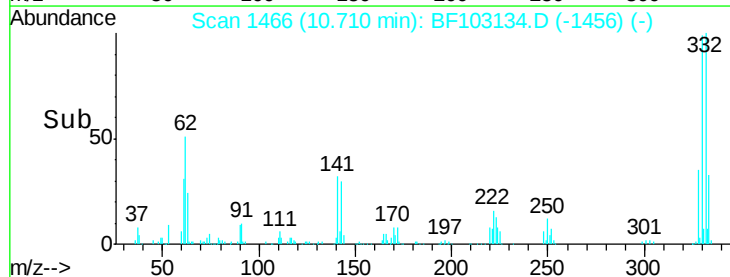
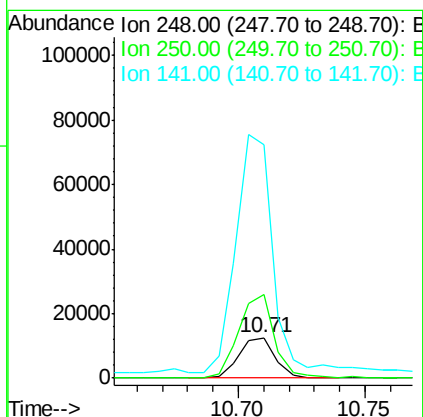
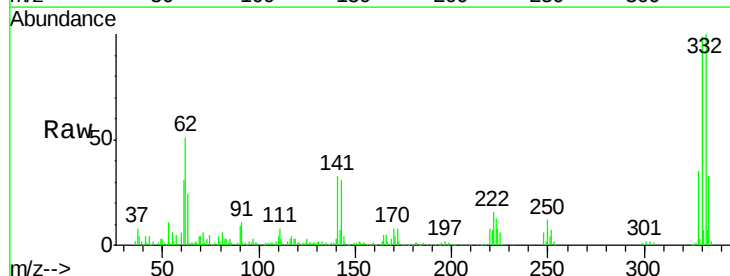
Instrument :
 BNA_F
 ClientSampleId :
 OK-02-022018

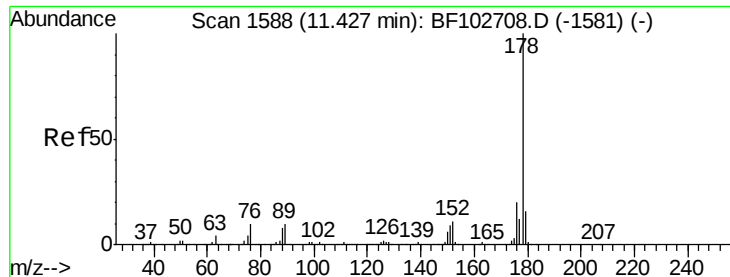
Tot Ion:198 Resp: 117
 Ion Ratio Lower Upper
 198 100
 51 196.4 37.7 77.7#
 105 1269.8 36.3 76.3#



#66
 4-Bromophenyl-phenylether
 Concen: 2.967 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.24 min
 Lab File: BF103134.D
 Acq: 21 Feb 2018 14:17

Tgt Ion:248 Resp: 12499
 Ion Ratio Lower Upper
 248 100
 250 206.2 76.9 115.3#
 141 575.9 74.4 111.6#





#70

Phenanthrene

Concen: 6.722 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF103134.D

Acq: 21 Feb 2018 14:17

Instrument :

BNA_F

ClientSampleId :

OK-02-022018

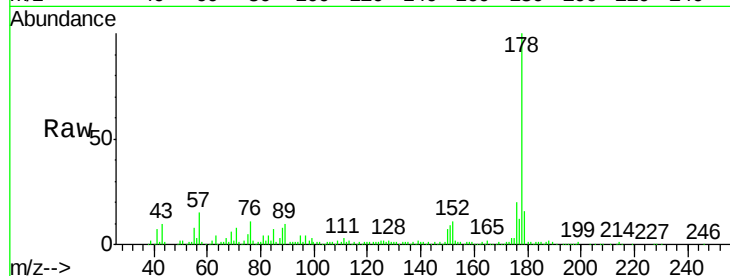
Tot Ion:178 Resp: 149104

Ion Ratio Lower Upper

178 100

176 20.5 15.8 23.8

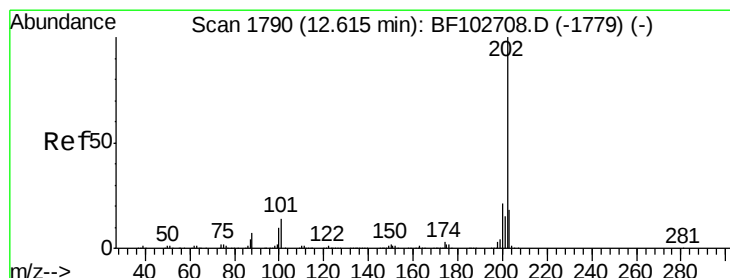
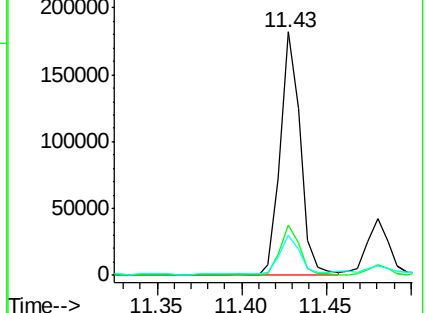
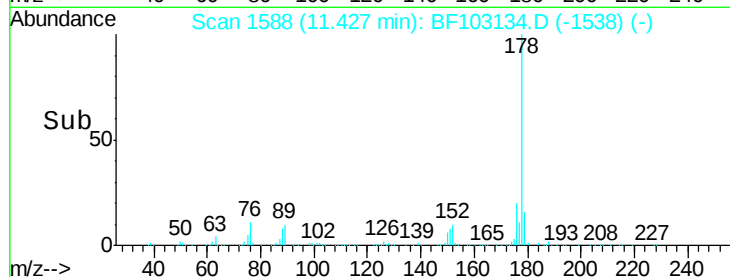
179 16.5 13.0 19.6



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



#74

Fluoranthene

Concen: 7.885 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF103134.D

Acq: 21 Feb 2018 14:17

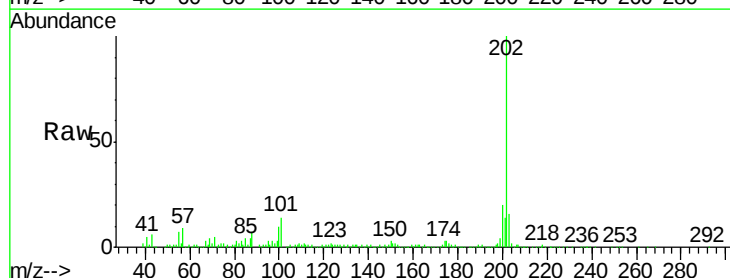
Tgt Ion:202 Resp: 175956

Ion Ratio Lower Upper

202 100

101 13.7 0.0 34.1

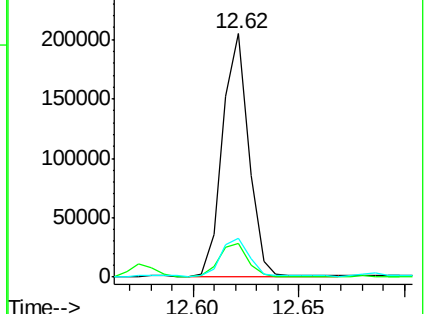
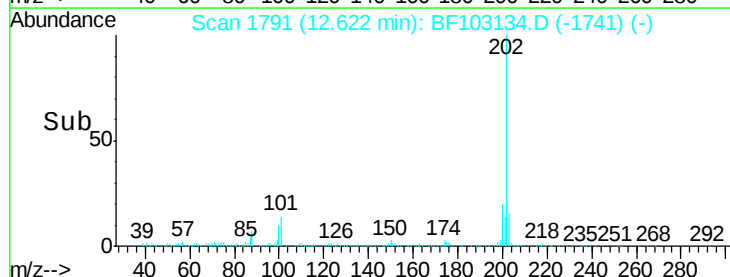
203 16.1 0.0 38.1

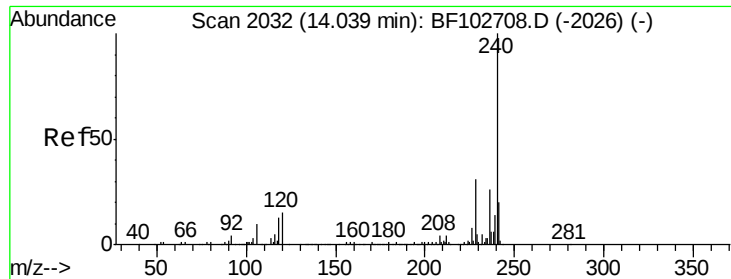


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103134.D

Acq: 21 Feb 2018 14:17

Instrument :

BNA_F

ClientSampleId :

OK-02-022018

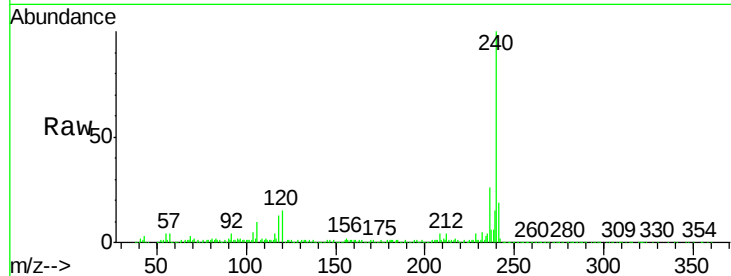
Tot Ion:240 Resp: 309106

Ion Ratio Lower Upper

240 100

120 15.0 9.5 14.3#

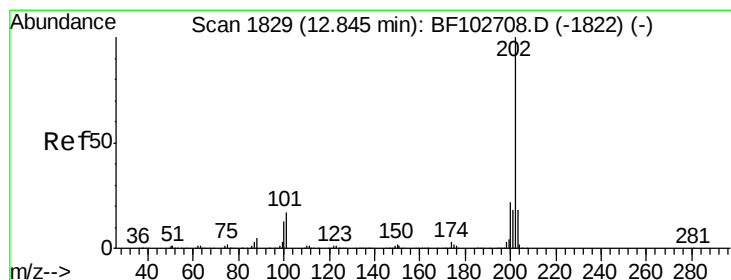
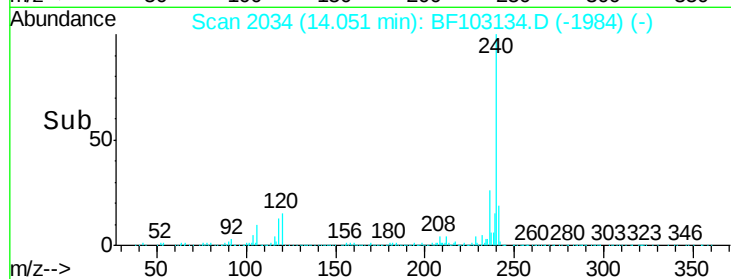
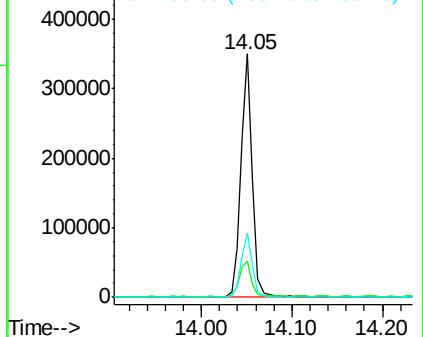
236 26.5 20.7 31.1



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: 6.109 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF103134.D

Acq: 21 Feb 2018 14:17

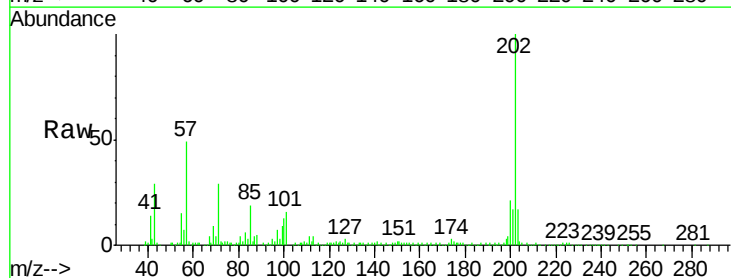
Tgt Ion:202 Resp: 148068

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

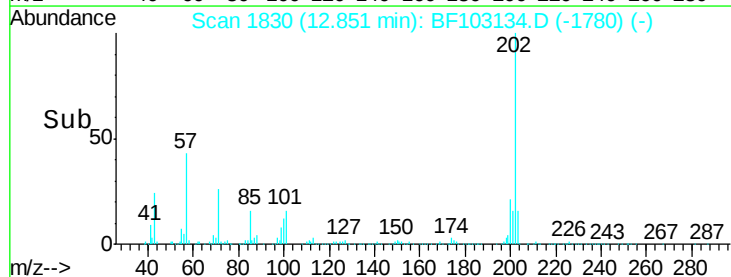
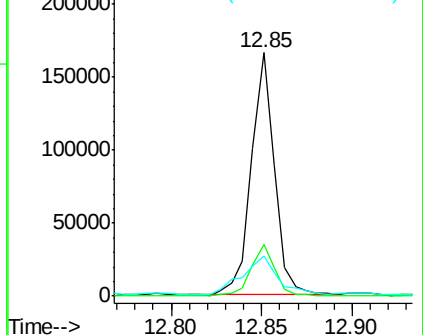
203 16.5 14.3 21.5

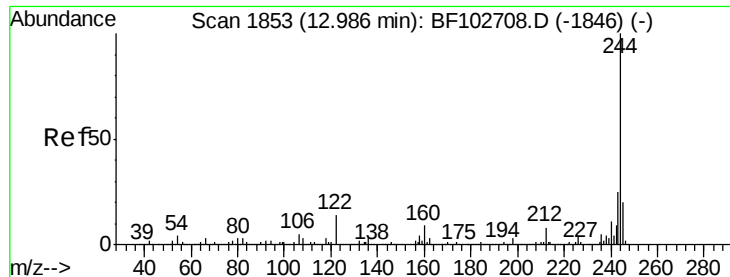


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 54.524 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BF103134.D

Acq: 21 Feb 2018 14:17

Instrument :

BNA_F

ClientSampleId :

OK-02-022018

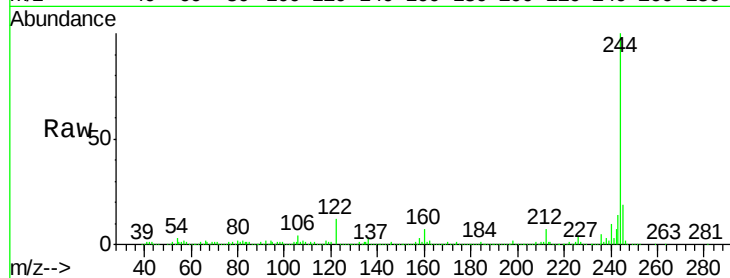
Tot Ion:244 Resp: 711793

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

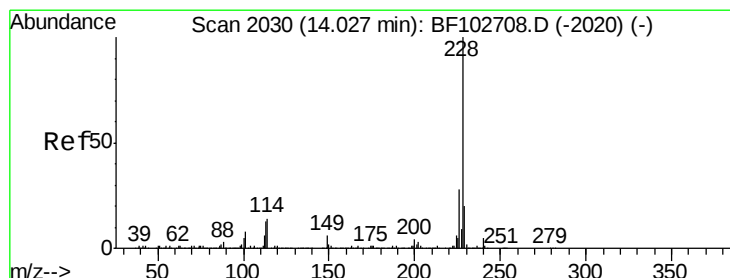
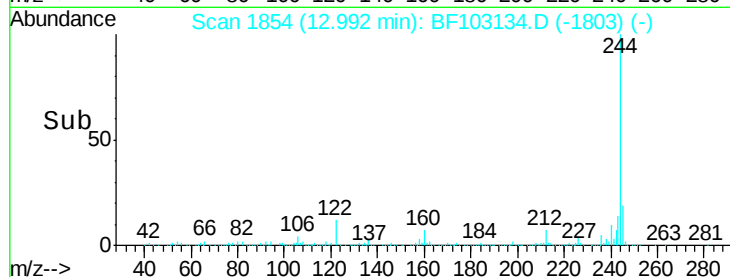
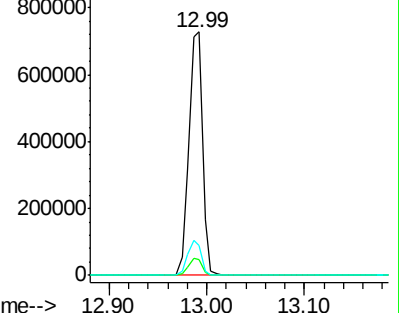
122 12.3 11.0 16.4



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: 3.279 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF103134.D

Acq: 21 Feb 2018 14:17

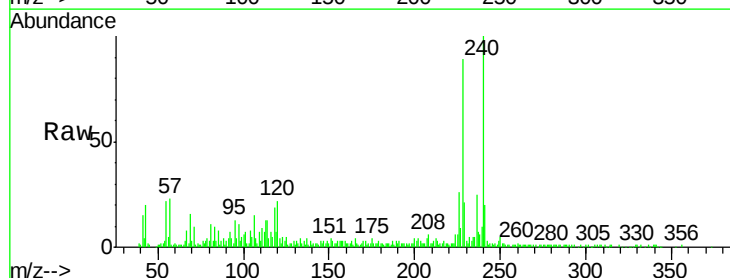
Tgt Ion:228 Resp: 63747

Ion Ratio Lower Upper

228 100

226 28.7 22.6 33.8

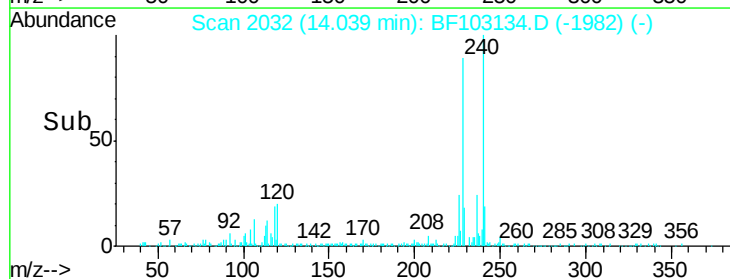
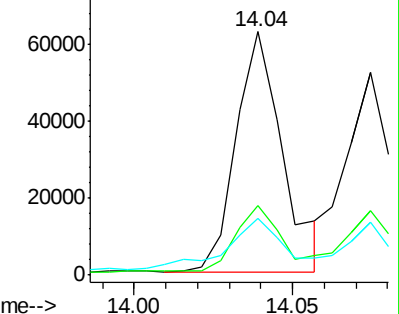
229 23.2 15.8 23.6

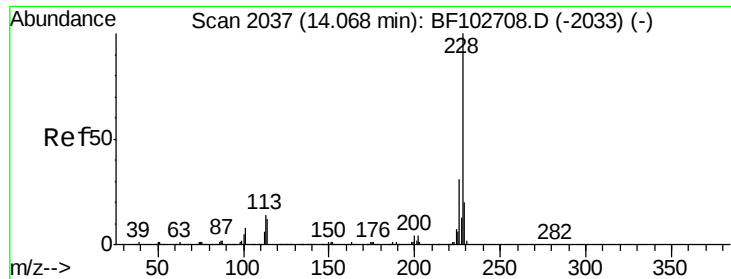


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

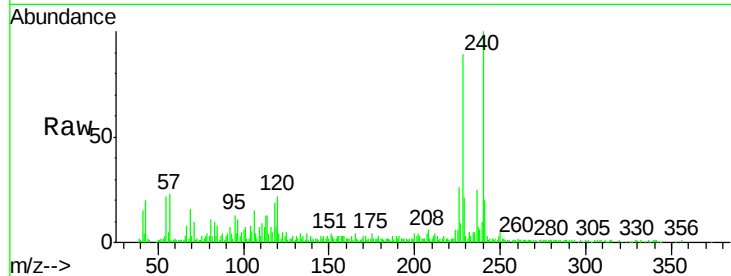




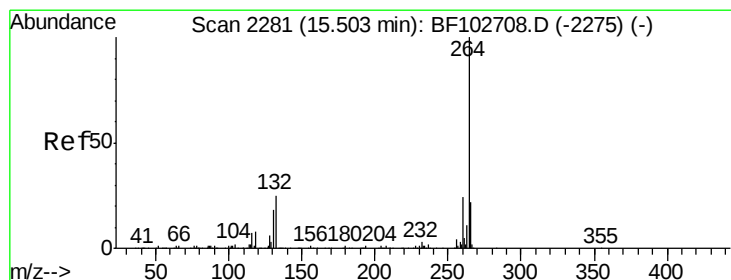
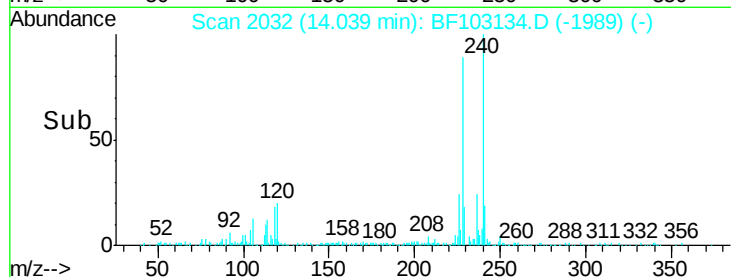
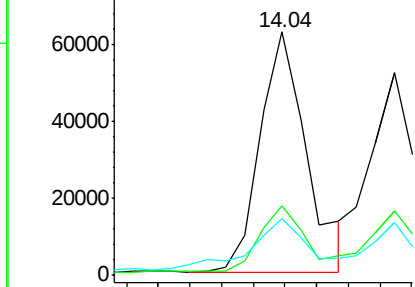
#82
Chrysene
Concen: 3.253 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.05 min
Lab File: BF103134.D
Acq: 21 Feb 2018 14:17

Instrument :
BNA_F
ClientSampleId :
OK-02-022018

Tot Ion:228 Resp: 63747
Ion Ratio Lower Upper
228 100
226 28.7 25.0 37.6
229 23.2 16.2 24.4

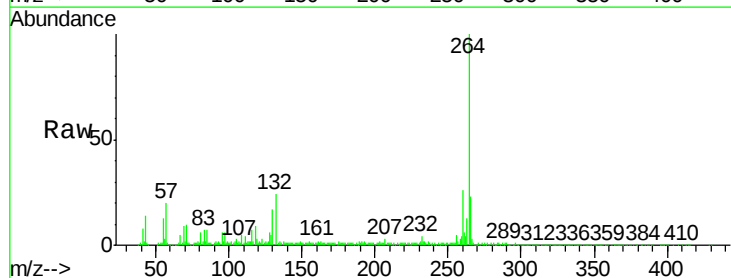


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

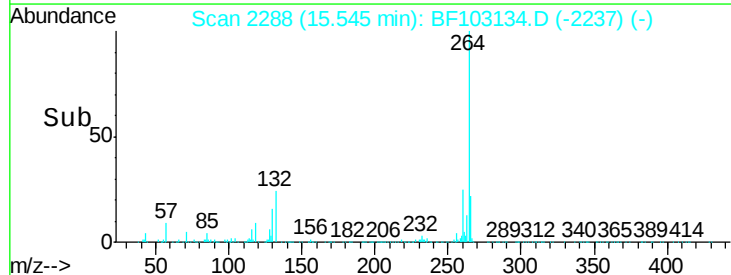
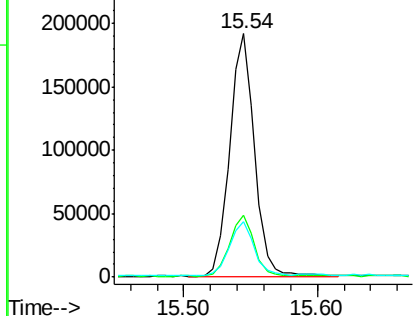


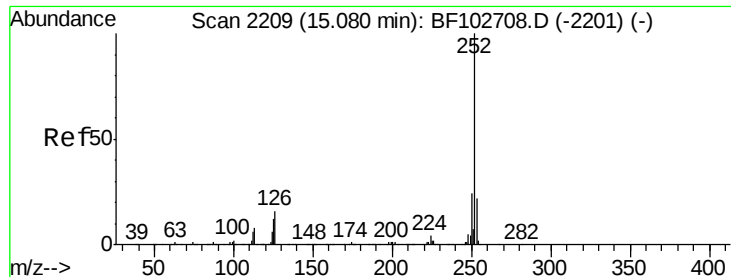
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.00 min
Lab File: BF103134.D
Acq: 21 Feb 2018 14:17

Tgt Ion:264 Resp: 247924
Ion Ratio Lower Upper
264 100
260 25.5 19.2 28.8
265 22.7 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

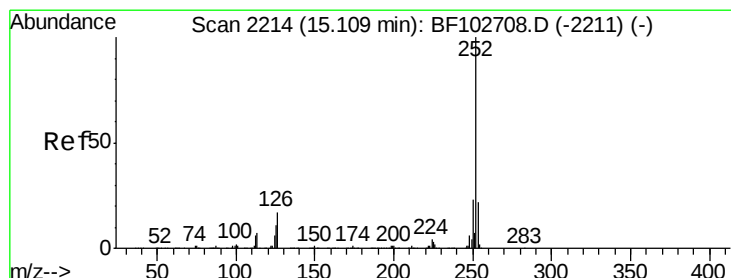
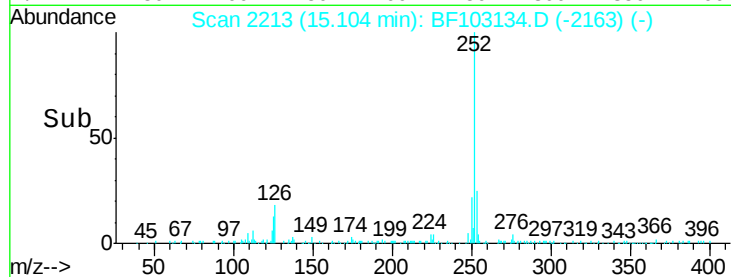
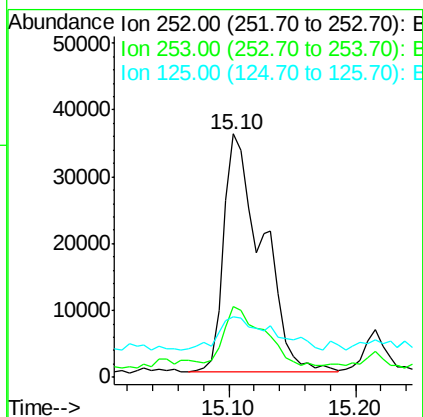
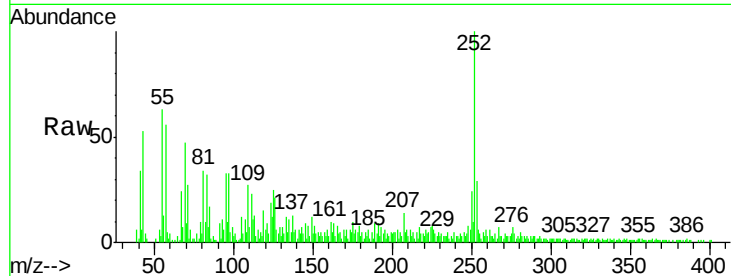




#87
Benzo(b)fluoranthene
Concen: 4.682 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF103134.D
Acq: 21 Feb 2018 14:17

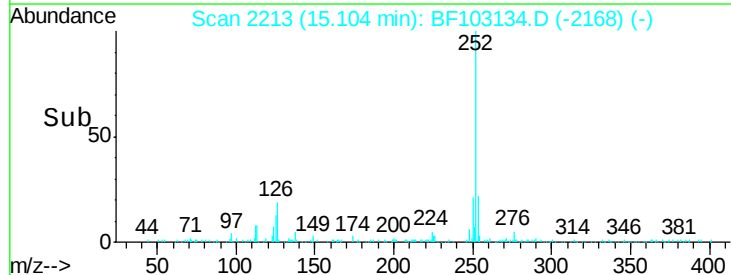
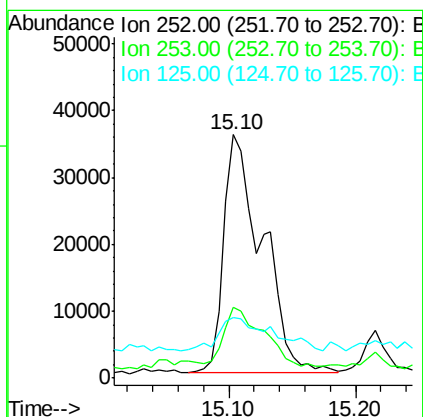
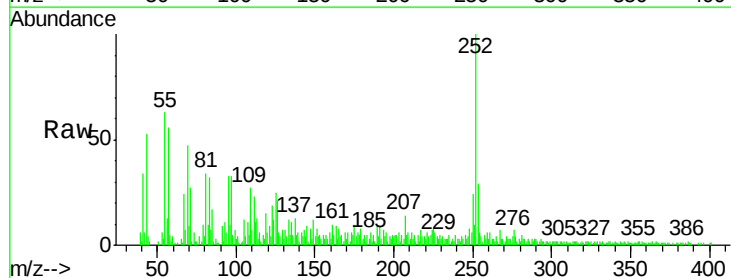
Instrument :
BNA_F
ClientSampleId :
OK-02-022018

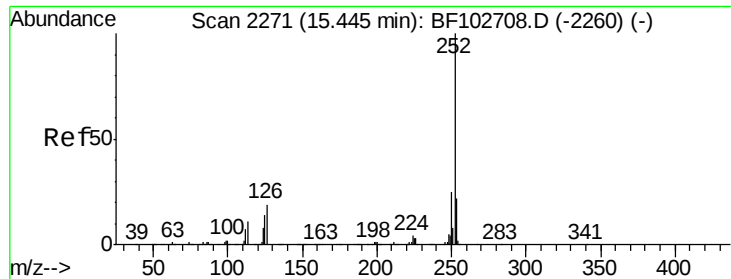
Tot Ion	Ratio	Lower	Upper
252	100		
253	29.3	17.0	25.6#
125	24.9	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 4.900 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.04 min
Lab File: BF103134.D
Acq: 21 Feb 2018 14:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.3	17.9	26.9#
125	24.9	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 2.311 ng

RT: 15.48 min Scan# 2277

Delta R.T. -0.01 min

Lab File: BF103134.D

Acq: 21 Feb 2018 14:17

Instrument :

BNA_F

ClientSampleId :

OK-02-022018

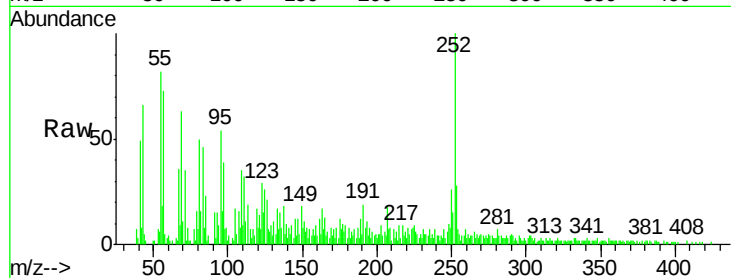
Tot Ion:252 Resp: 33435

Ion Ratio Lower Upper

252 100

253 28.1 17.1 25.7#

125 26.1 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

