

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
 Data File : BF103269.D
 Acq On : 27 Feb 2018 18:02
 Operator : SJ/JU
 Sample : J1697-13
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 28 00:00:24 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	152008	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	615729	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	242559	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	346527	20.00	ng	0.00
75) Chrysene-d12	14.06	240	252975	20.00	ng	0.00
86) Perylene-d12	15.56	264	190477	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	973800	96.89	ng	0.01
7) Phenol-d6	6.52	99	1146720	93.24	ng	0.00
23) Nitrobenzene-d5	7.44	82	727086	67.44	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	168391	82.02	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1126246	78.54	ng	0.00
78) Terphenyl-d14	12.99	244	752699	71.52	ng	0.00

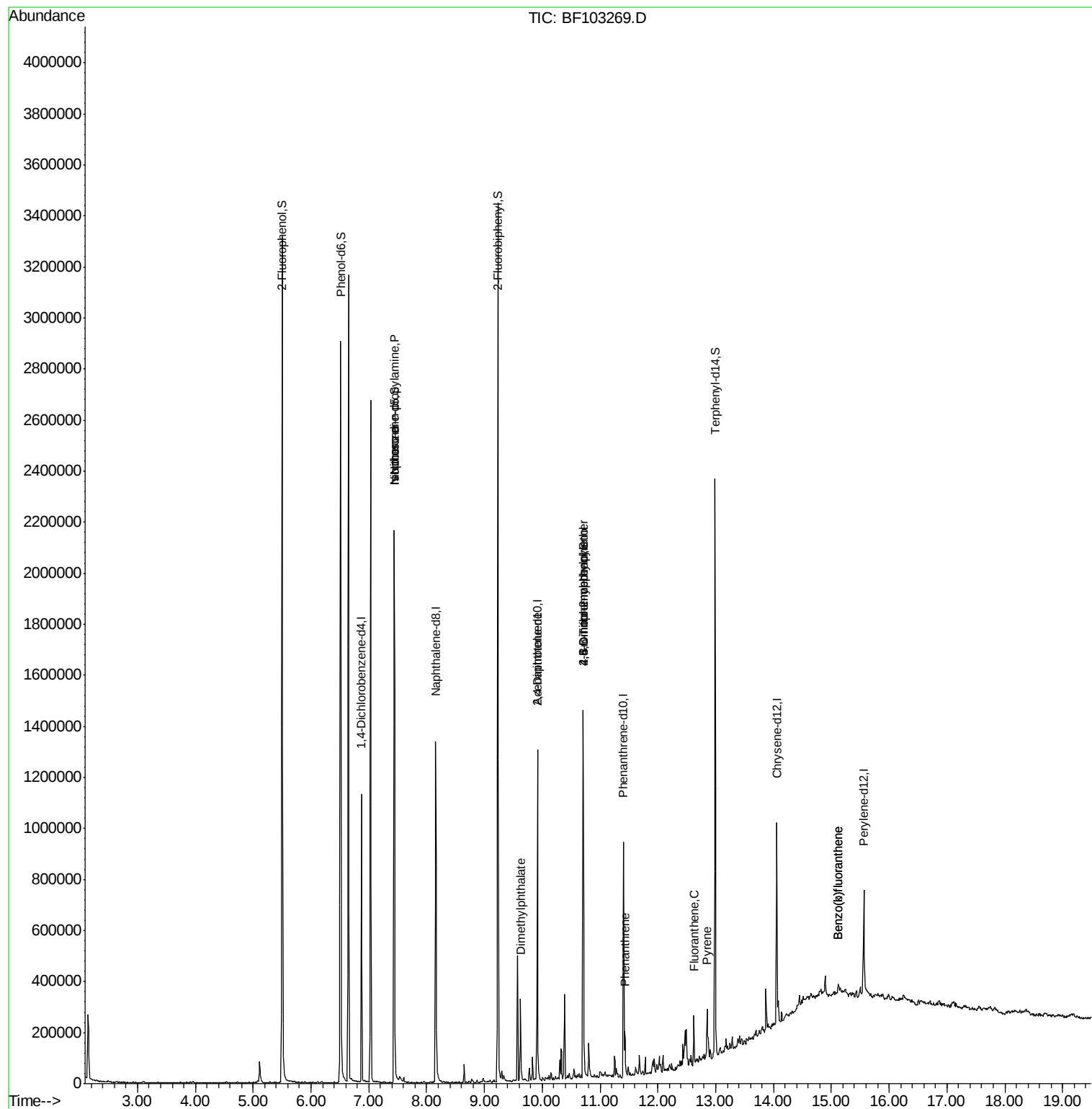
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.51	77	1645	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.44	70	97131	12.69	ng	81
25) Isophorone	7.44	82	727082	34.24	ng	64
49) Dimethylphthalate	9.62	163	121157	6.23	ng	99
56) 2,4-Dinitrotoluene	9.92	165	32031	6.20	ng	23
64) 4,6-Dinitro-2-methylphenol	10.70	198	246	5.05	ng	1
66) 4-Bromophenyl-phenylether	10.71	248	11016	3.05	ng	1
70) Phenanthrene	11.43	178	54793	2.87	ng	98
74) Fluoranthene	12.62	202	61085	3.19	ng	98
77) Pyrene	12.86	202	71897	3.65	ng	99
87) Benzo(b)fluoranthene	15.12	252	29081	2.32	ng	66
88) Benzo(k)fluoranthene	15.12	252	29081	2.47	ng	69

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.87 min Scan# 814

Delta R.T. -0.00 min

Lab File: BF103269.D

Acq: 27 Feb 2018 18:02

Instrument :

BNA_F

ClientSampleId :

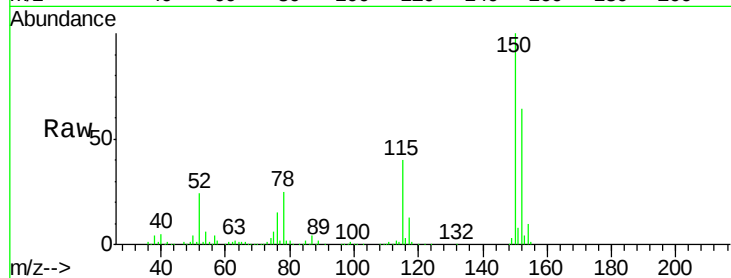
Tot Ion:152 Resp: 152008

Ion Ratio Lower Upper

152 100

150 155.2 124.6 186.8

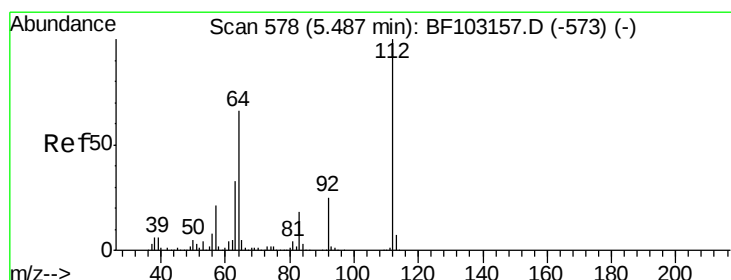
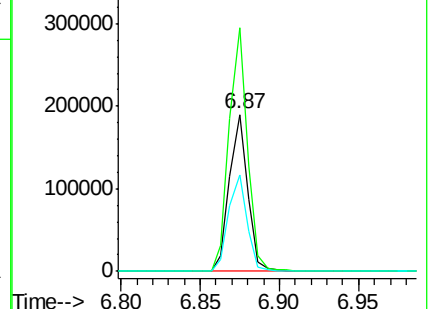
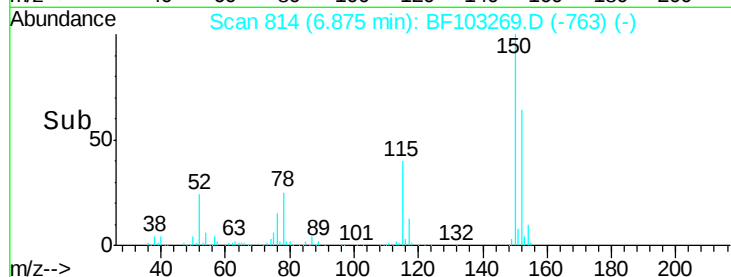
115 61.8 50.1 75.1



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: 96.89 ng

RT: 5.50 min Scan# 581

Delta R.T. 0.01 min

Lab File: BF103269.D

Acq: 27 Feb 2018 18:02

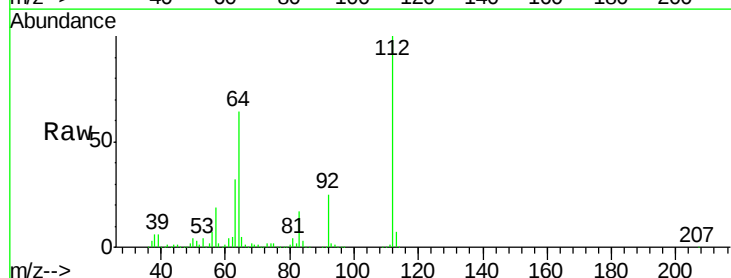
Tgt Ion:112 Resp: 973800

Ion Ratio Lower Upper

112 100

64 63.5 47.9 71.9

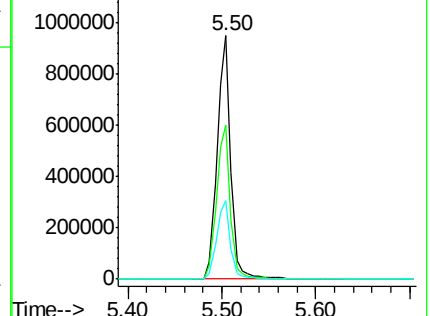
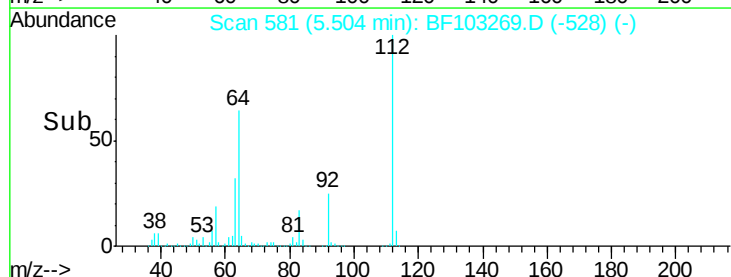
63 32.0 23.7 35.5

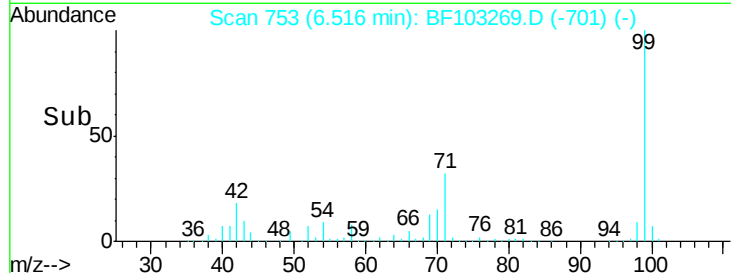
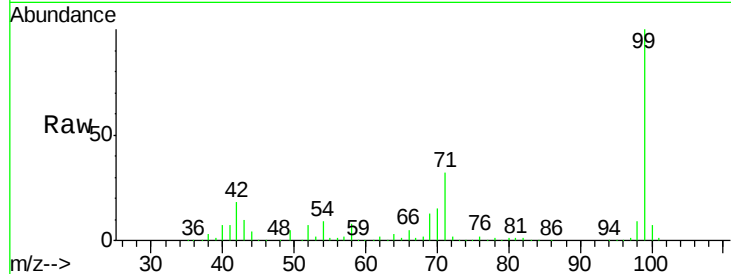
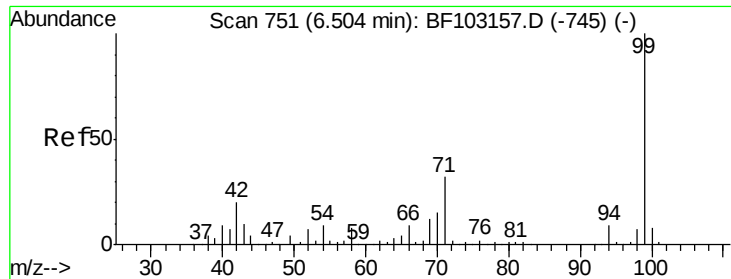


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 93.24 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103269.D

Acq: 27 Feb 2018 18:02

Instrument :

BNA_F

ClientSampleId :

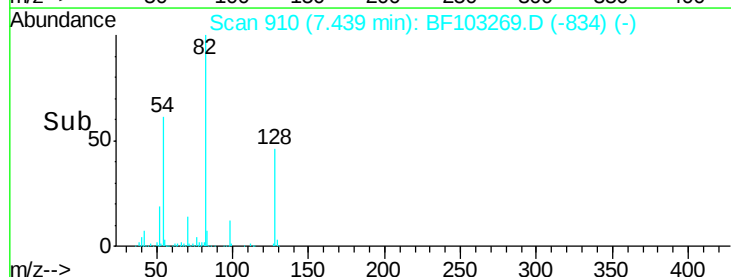
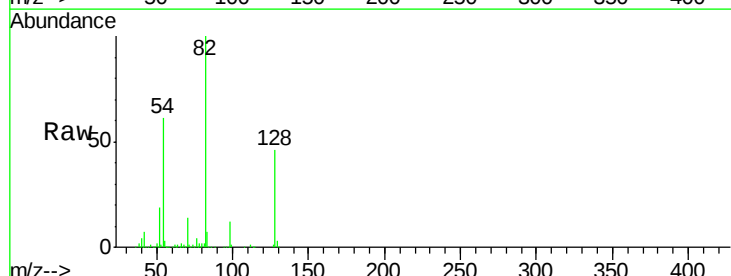
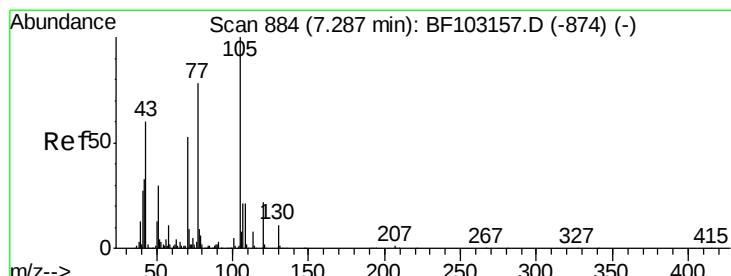
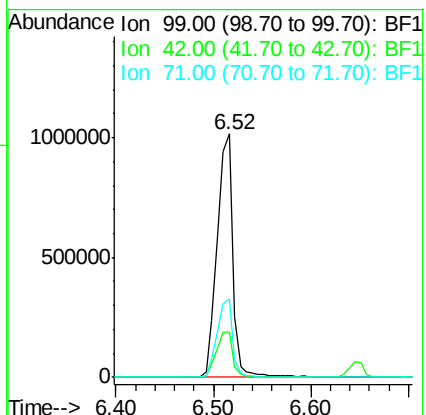
Tot Ion: 99 Resp: 1146720

Ion Ratio Lower Upper

99 100

42 18.4 14.5 21.7

71 32.4 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.69 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103269.D

Acq: 27 Feb 2018 18:02

Tgt Ion: 70 Resp: 97131

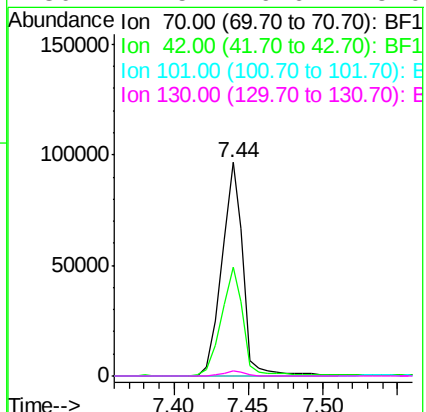
Ion Ratio Lower Upper

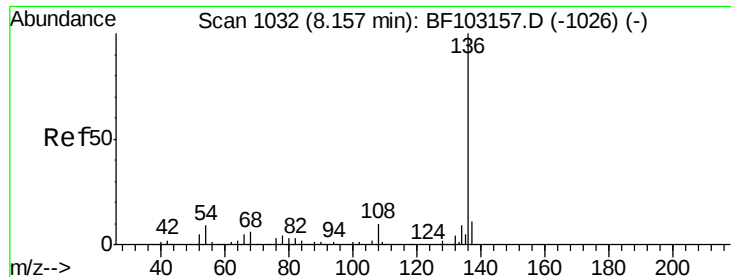
70 100

42 50.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF103269.D

Acq: 27 Feb 2018 18:02

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 615729

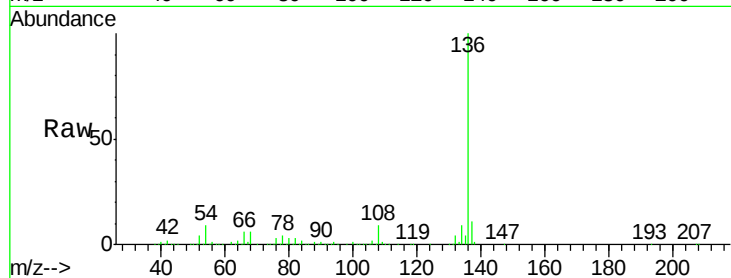
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 9.4 6.6 9.8

68 6.5 5.0 7.4

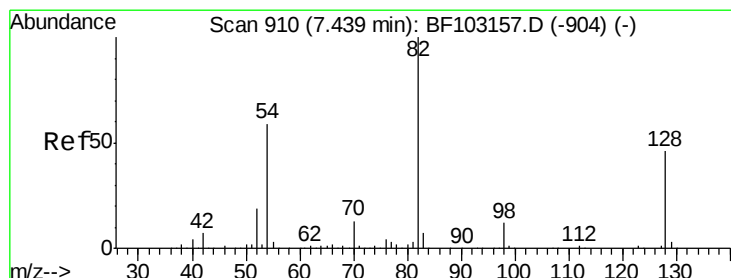
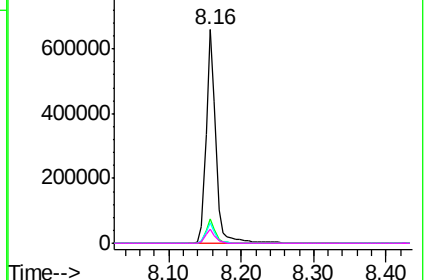
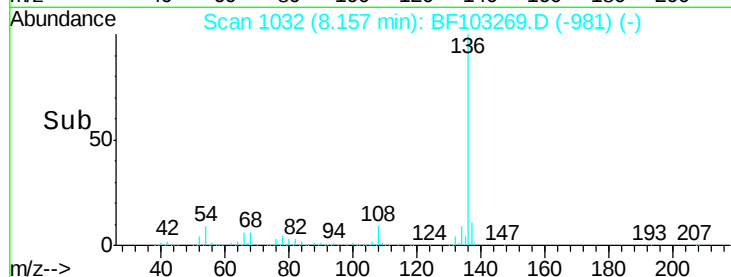


Abundance Ion 136.00 (135.70 to 136.70): E

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: 67.44 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF103269.D

Acq: 27 Feb 2018 18:02

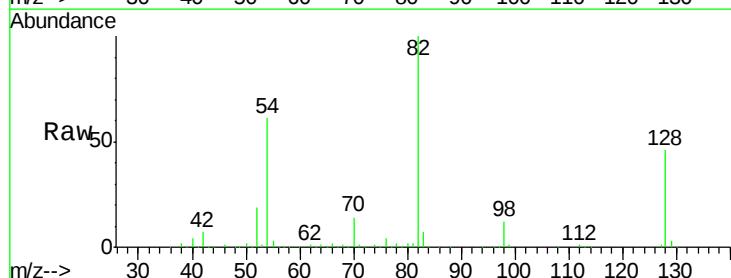
Tgt Ion: 82 Resp: 727086

Ion Ratio Lower Upper

82 100

128 45.5 36.1 54.1

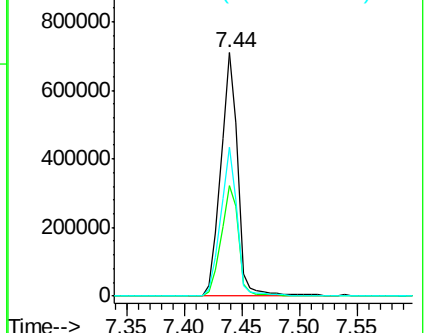
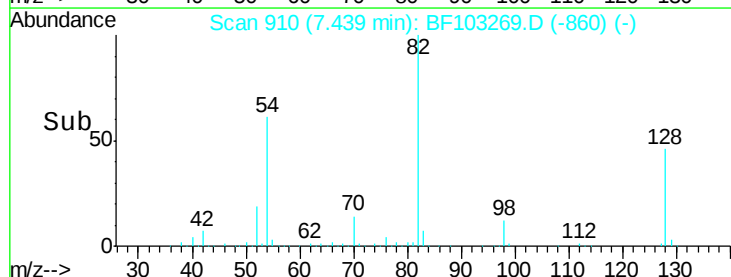
54 61.0 41.4 62.2



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: 34.24 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103269.D

Acq: 27 Feb 2018 18:02

Instrument :

BNA_F

ClientSampled :

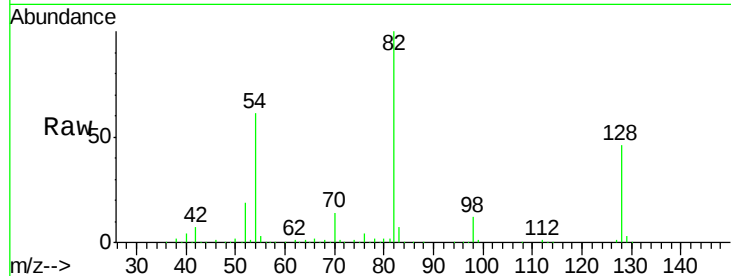
Tot Ion: 82 Resp: 727082

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

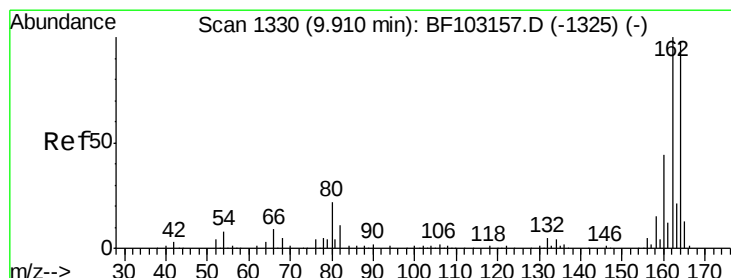
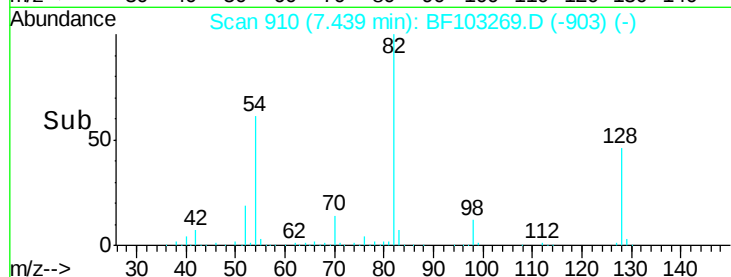
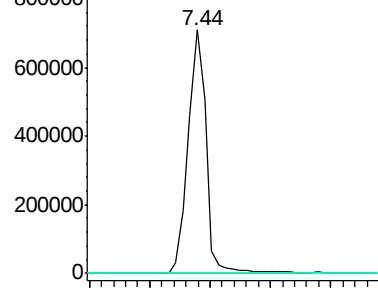
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.00 min

Lab File: BF103269.D

Acq: 27 Feb 2018 18:02

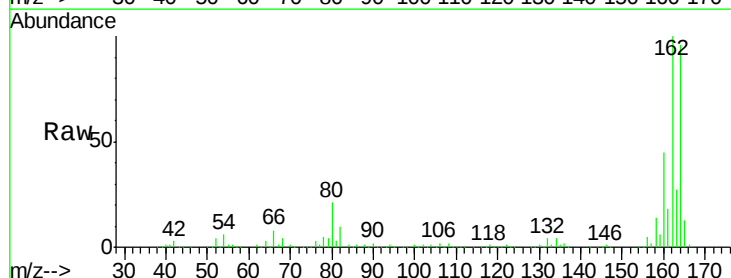
Tgt Ion:164 Resp: 242559

Ion Ratio Lower Upper

164 100

162 103.8 86.1 129.1

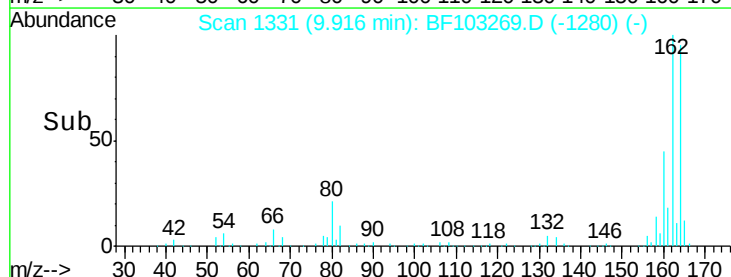
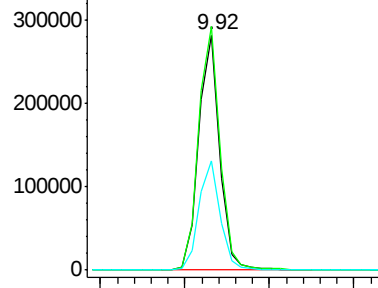
160 46.7 38.3 57.5

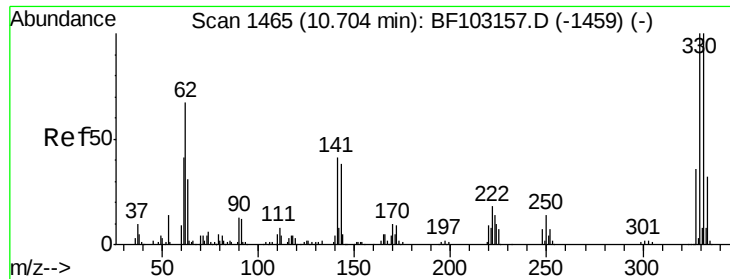


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

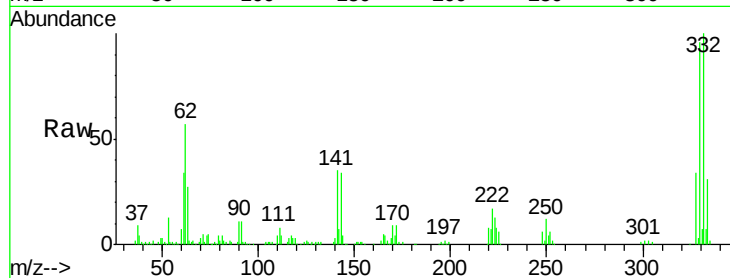




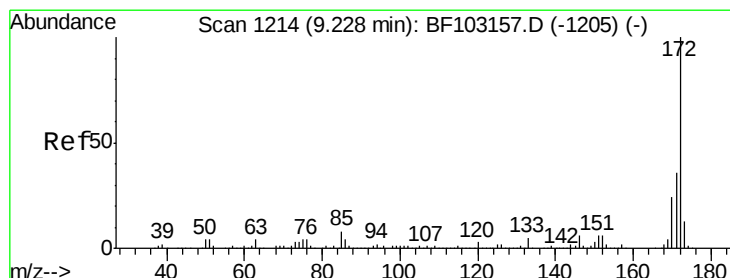
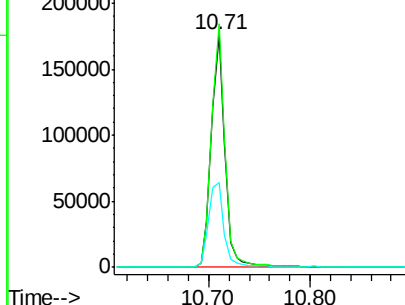
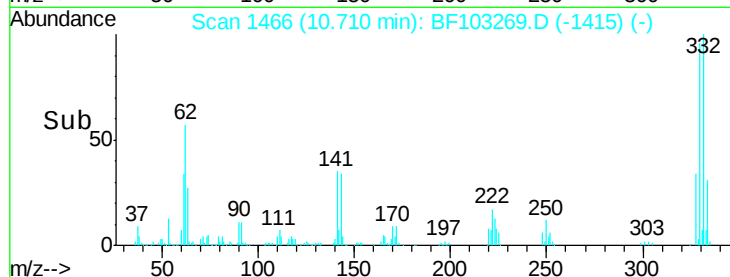
#41
 2,4,6-Tribromophenol
 Concen: 82.02 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF103269.D
 Acq: 27 Feb 2018 18:02

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	104.0	77.0	115.6
141	41.1	29.9	44.9

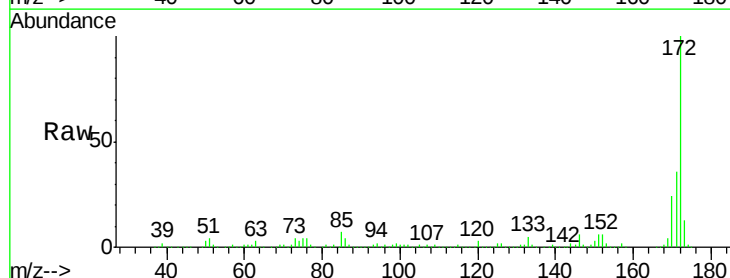


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

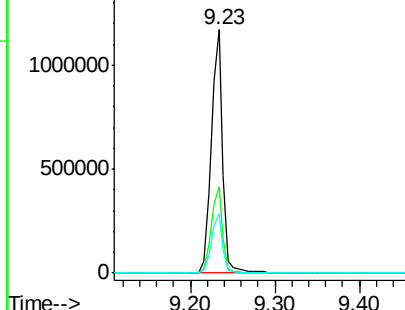
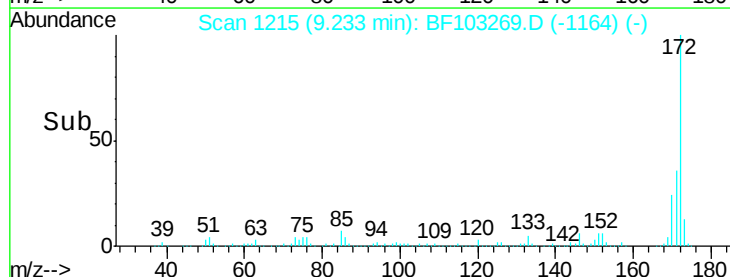


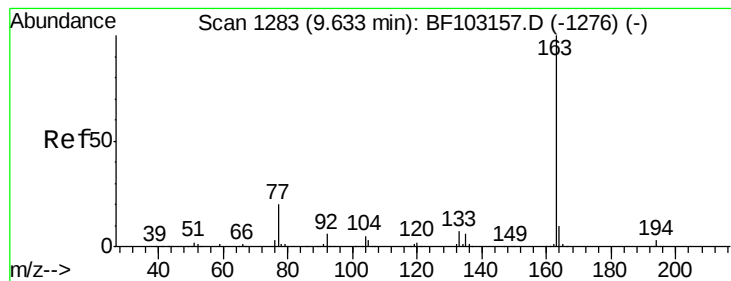
#44
 2-Fluorobiphenyl
 Concen: 78.54 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: BF103269.D
 Acq: 27 Feb 2018 18:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	24.2	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





#49

Dimethylphthalate

Concen: 6.23 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF103269.D

Acq: 27 Feb 2018 18:02

Instrument :

BNA_F

ClientSampleId :

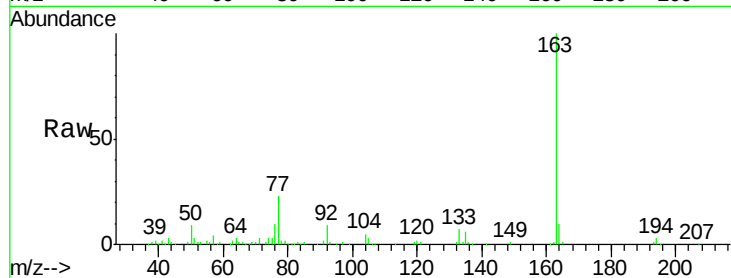
Tot Ion:163 Resp: 121157

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

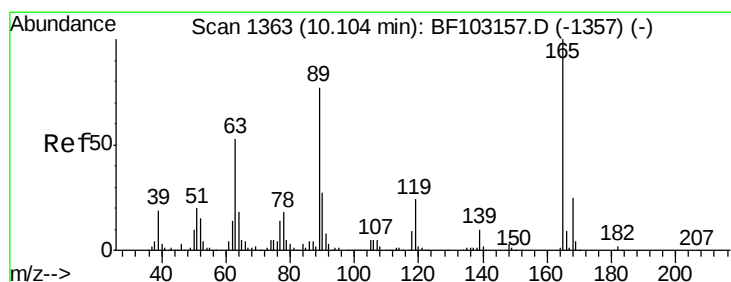
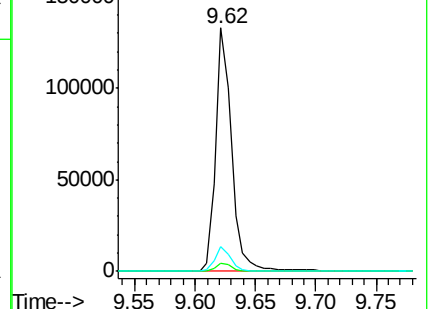
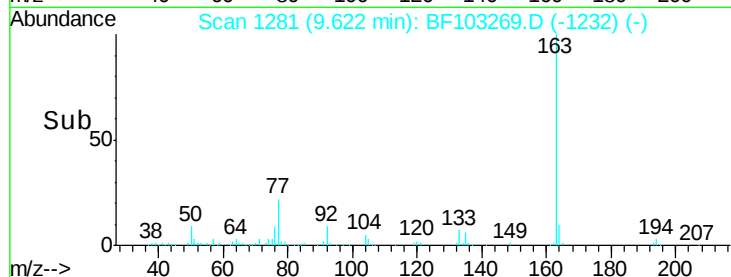
164 10.4 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.20 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.19 min

Lab File: BF103269.D

Acq: 27 Feb 2018 18:02

Tgt Ion:165 Resp: 32031

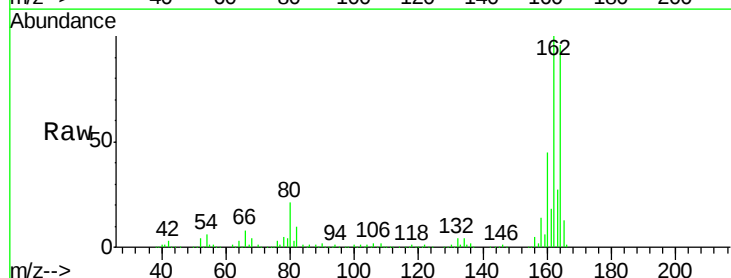
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 1.4 57.8 86.6#

182 0.0 1.6 2.4#

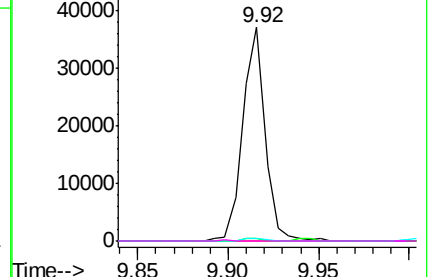
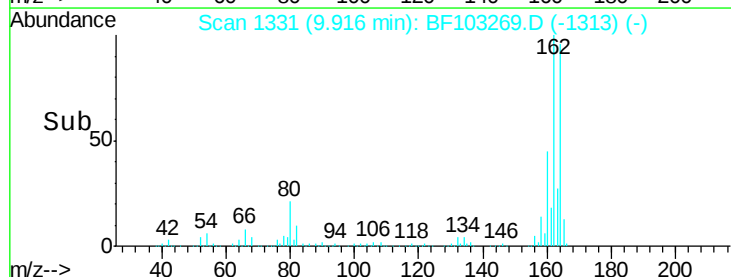


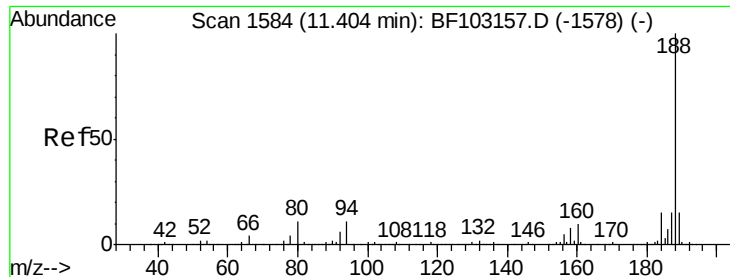
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

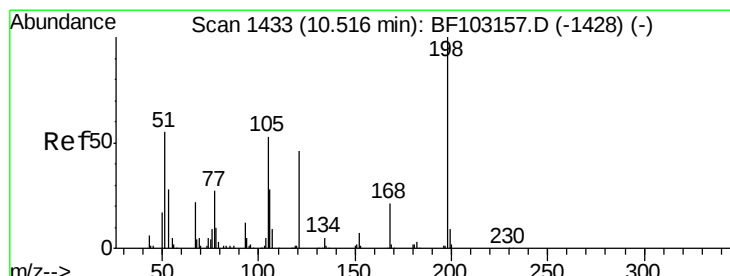
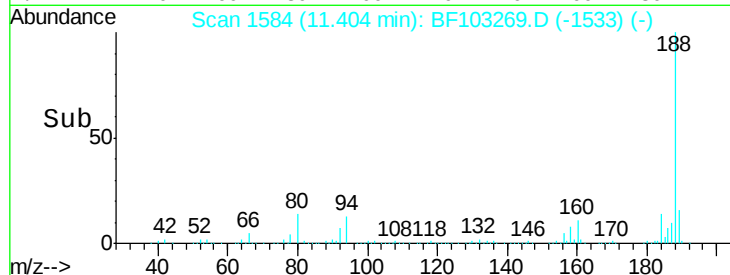
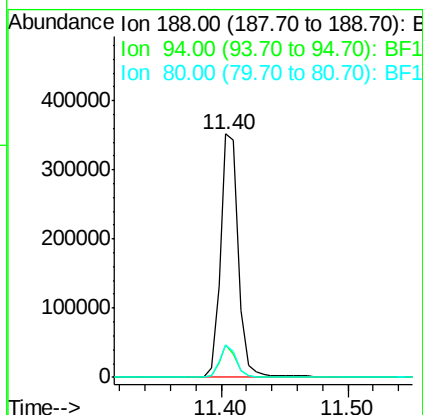
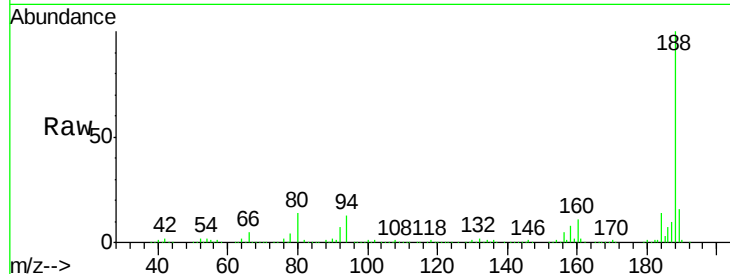




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BF103269.D
Acq: 27 Feb 2018 18:02

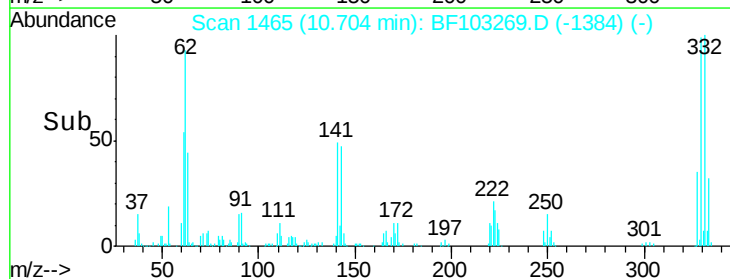
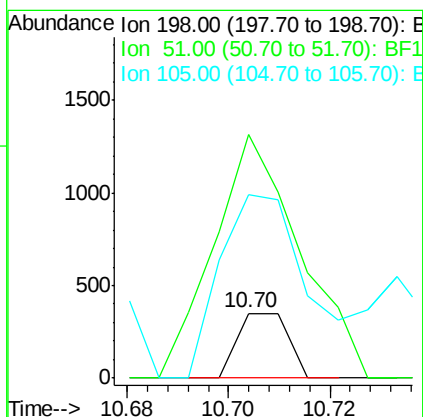
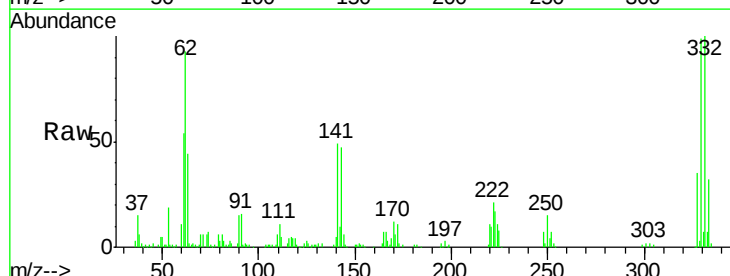
Instrument :
BNA_F
ClientSampleId :

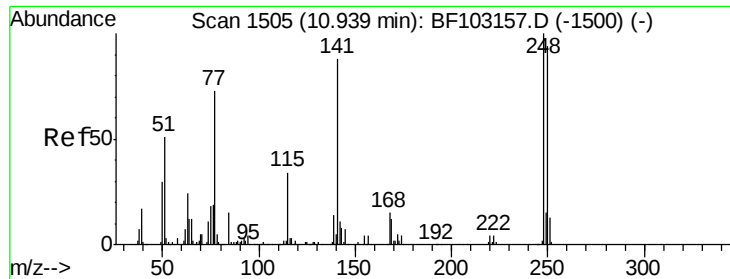
Tot Ion:188 Resp: 346527
Ion Ratio Lower Upper
188 100
94 13.2 8.5 12.7#
80 13.5 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.05 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.18 min
Lab File: BF103269.D
Acq: 27 Feb 2018 18:02

Tgt Ion:198 Resp: 246
Ion Ratio Lower Upper
198 100
51 375.4 37.7 77.7#
105 283.4 36.3 76.3#

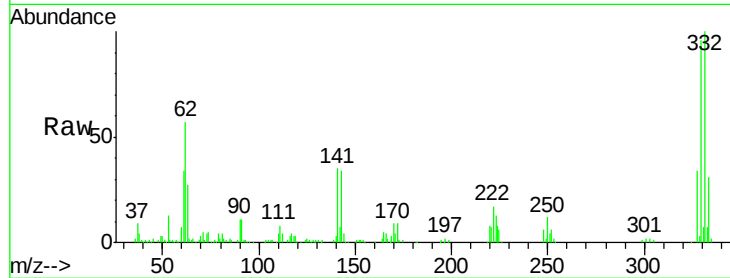




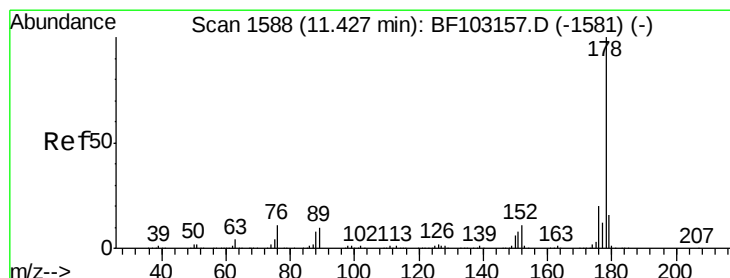
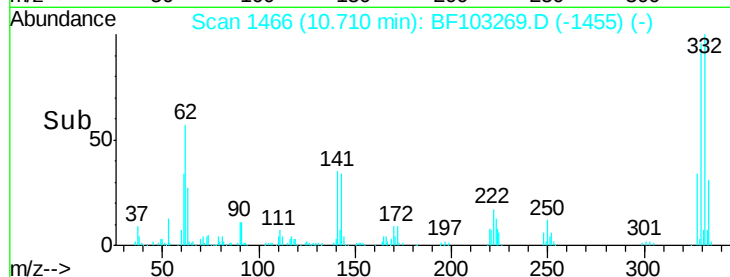
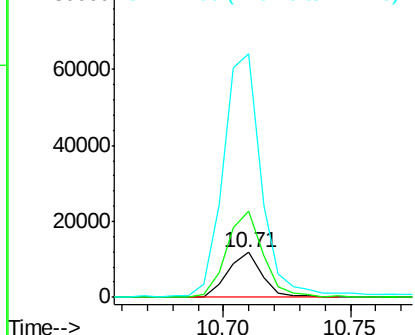
#66
4-Bromophenyl-phenylether
Concen: 3.05 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF103269.D
Acq: 27 Feb 2018 18:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 11016
Ion Ratio Lower Upper
248 100
250 191.6 76.9 115.3#
141 542.6 74.4 111.6#

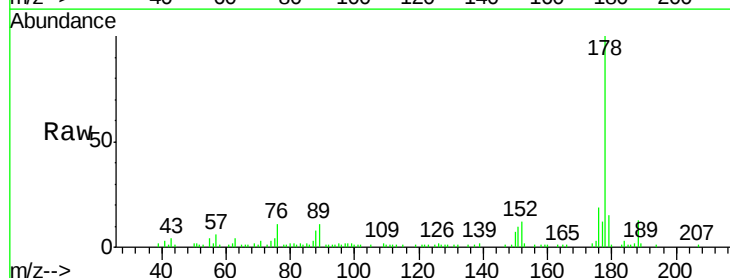


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

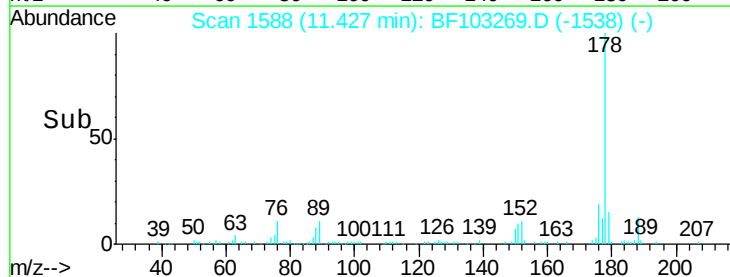
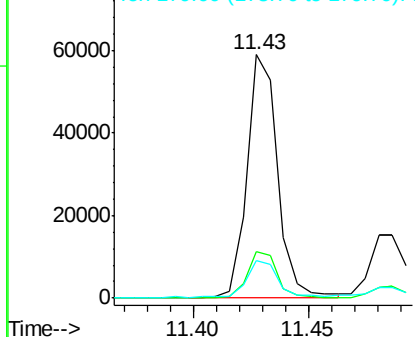


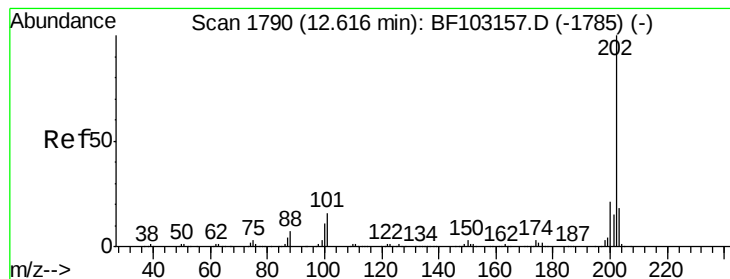
#70
Phenanthrene
Concen: 2.87 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF103269.D
Acq: 27 Feb 2018 18:02

Tgt Ion:178 Resp: 54793
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 15.5 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: 3.19 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.00 min

Lab File: BF103269.D

Acq: 27 Feb 2018 18:02

Instrument :

BNA_F

ClientSampled :

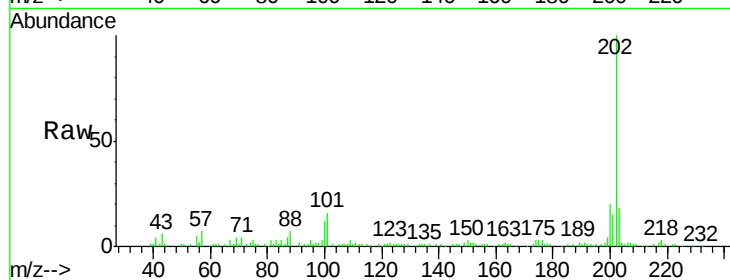
Tot Ion:202 Resp: 61085

Ion Ratio Lower Upper

202 100

101 15.9 0.0 34.1

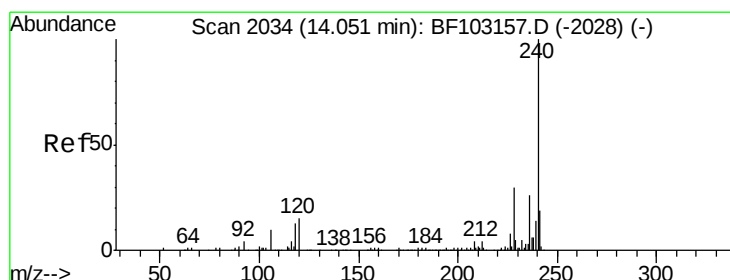
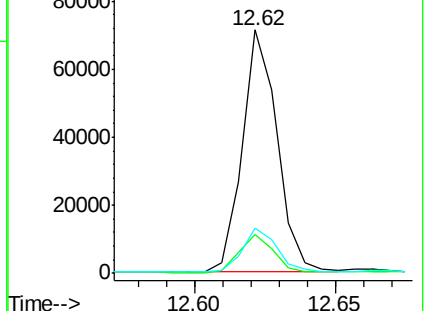
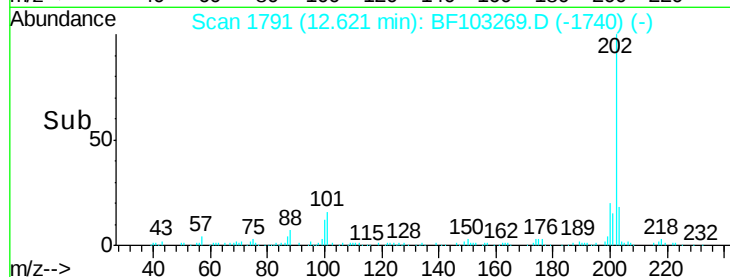
203 18.3 0.0 38.1



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: 20.00 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BF103269.D

Acq: 27 Feb 2018 18:02

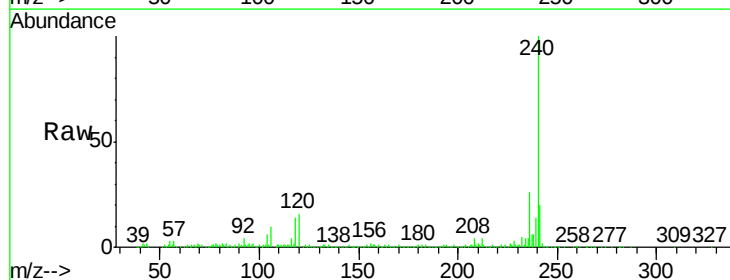
Tgt Ion:240 Resp: 252975

Ion Ratio Lower Upper

240 100

120 15.7 9.5 14.3#

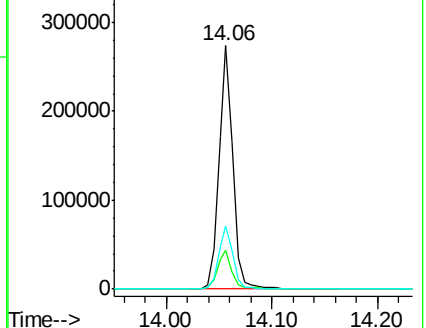
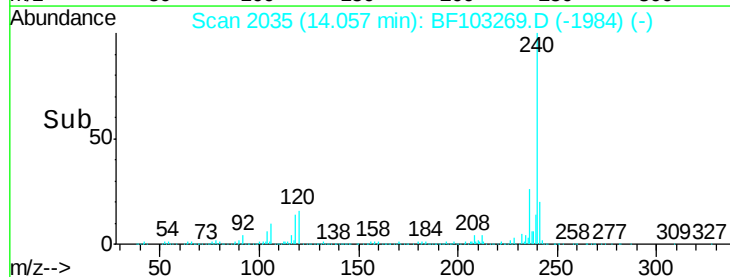
236 26.0 20.7 31.1

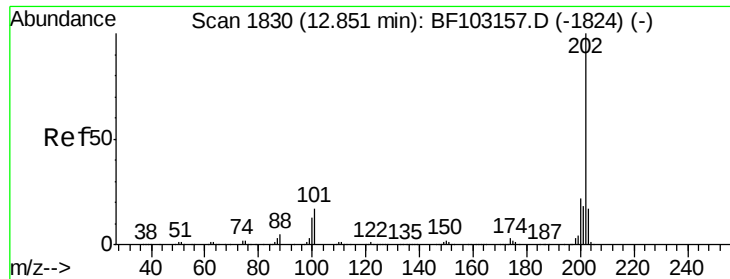


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

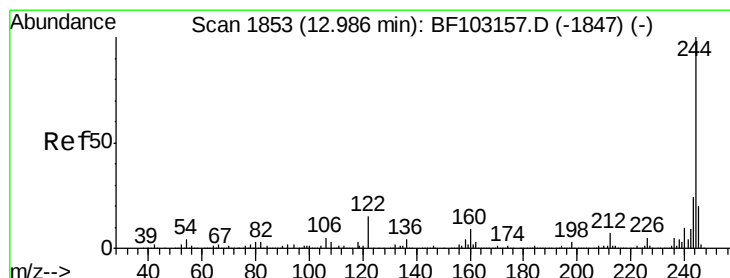
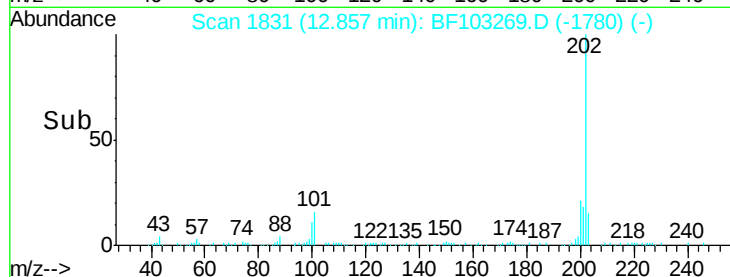
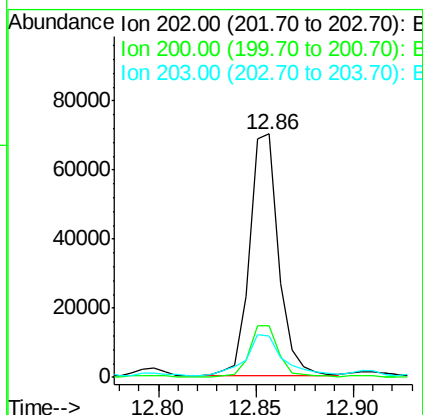
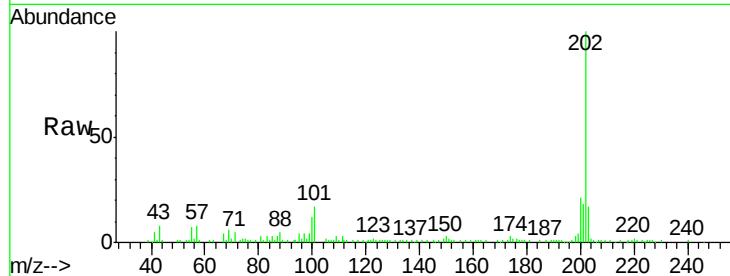




#77
 Pvrene
 Concen: 3.65 ng
 RT: 12.86 min Scan# 1831
 Delta R.T. -0.00 min
 Lab File: BF103269.D
 Acq: 27 Feb 2018 18:02

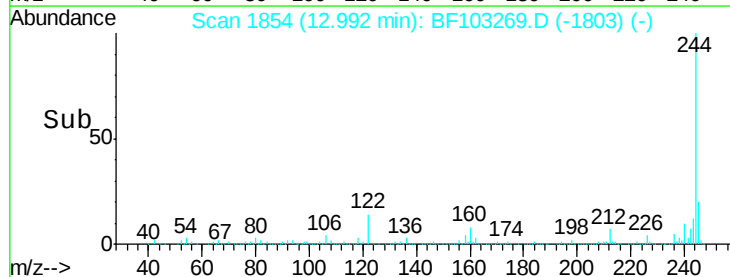
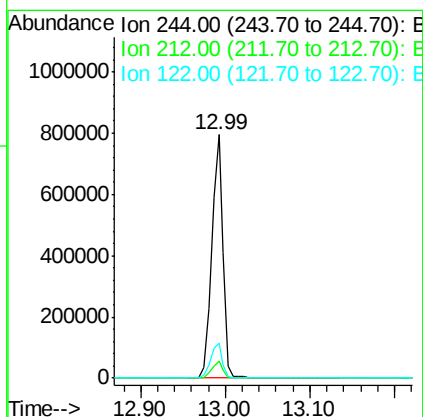
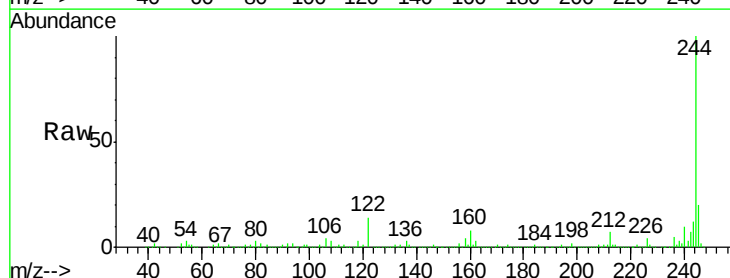
Instrument :
 BNA_F
 ClientSampleId :

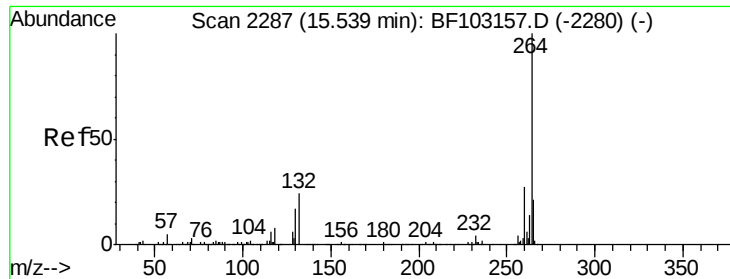
Tot Ion:202 Resp: 71897
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.4 26.2
 203 17.2 14.3 21.5



#78
 Terphenyl-d14
 Concen: 71.52 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: BF103269.D
 Acq: 27 Feb 2018 18:02

Tgt Ion:244 Resp: 752699
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 14.4 11.0 16.4

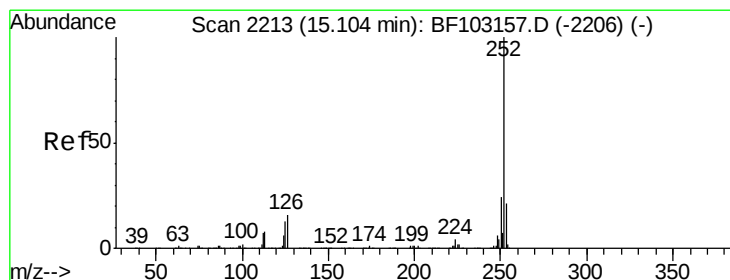
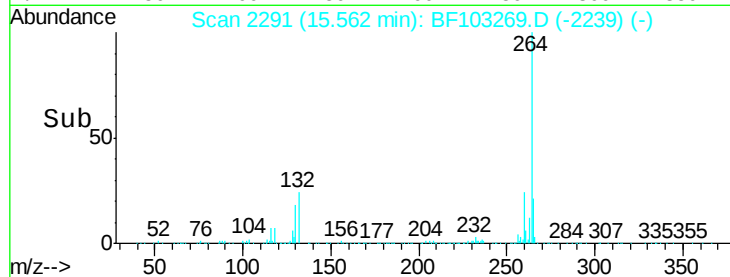
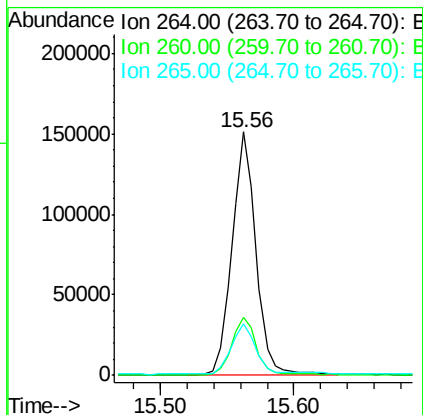
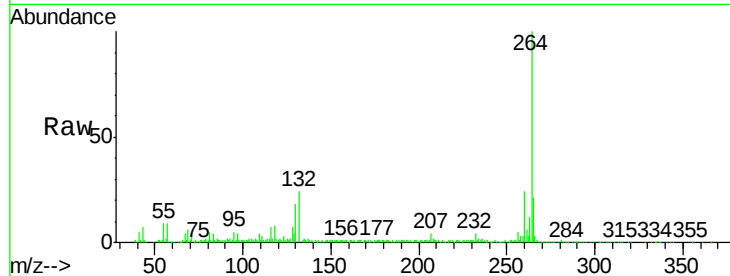




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 2291
Delta R.T. 0.01 min
Lab File: BF103269.D
Acq: 27 Feb 2018 18:02

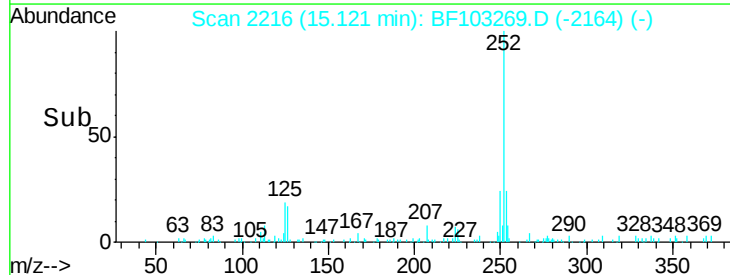
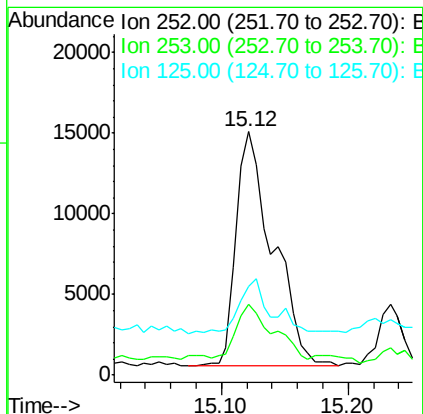
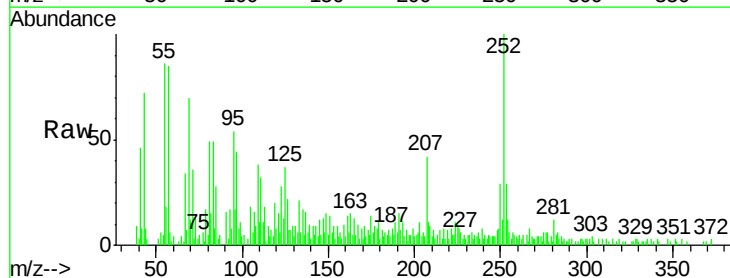
Instrument :
BNA_F
ClientSampleId :

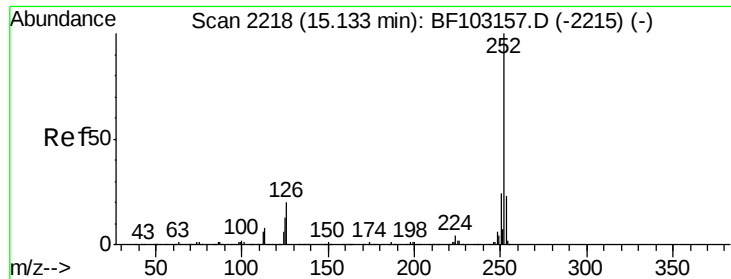
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.3	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 2.32 ng
RT: 15.12 min Scan# 2216
Delta R.T. 0.01 min
Lab File: BF103269.D
Acq: 27 Feb 2018 18:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.1	17.0	25.6#
125	36.5	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 2.47 ng

RT: 15.12 min Scan# 2216

Delta R.T. -0.03 min

Lab File: BF103269.D

Acq: 27 Feb 2018 18:02

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 29081

Ion Ratio Lower Upper

252 100

253 29.1 17.9 26.9#

125 36.5 10.2 15.2#

