

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030218\
 Data File : BF103376.D
 Acq On : 2 Mar 2018 20:10
 Operator : SJ/JU
 Sample : J1720-19RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-42

Quant Time: Mar 02 22:08:10 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 02 13:28:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	155990	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	639418	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	254410	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	362288	20.00	ng	0.00
75) Chrysene-d12	14.06	240	244413	20.00	ng	0.00
86) Perylene-d12	15.57	264	207242	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1125208	109.10	ng	0.00
7) Phenol-d6	6.52	99	1335838	105.85	ng	0.00
23) Nitrobenzene-d5	7.45	82	865672	77.32	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	201297	93.48	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1071970	69.46	ng	0.00
78) Terphenyl-d14	12.99	244	666085	65.51	ng	0.00

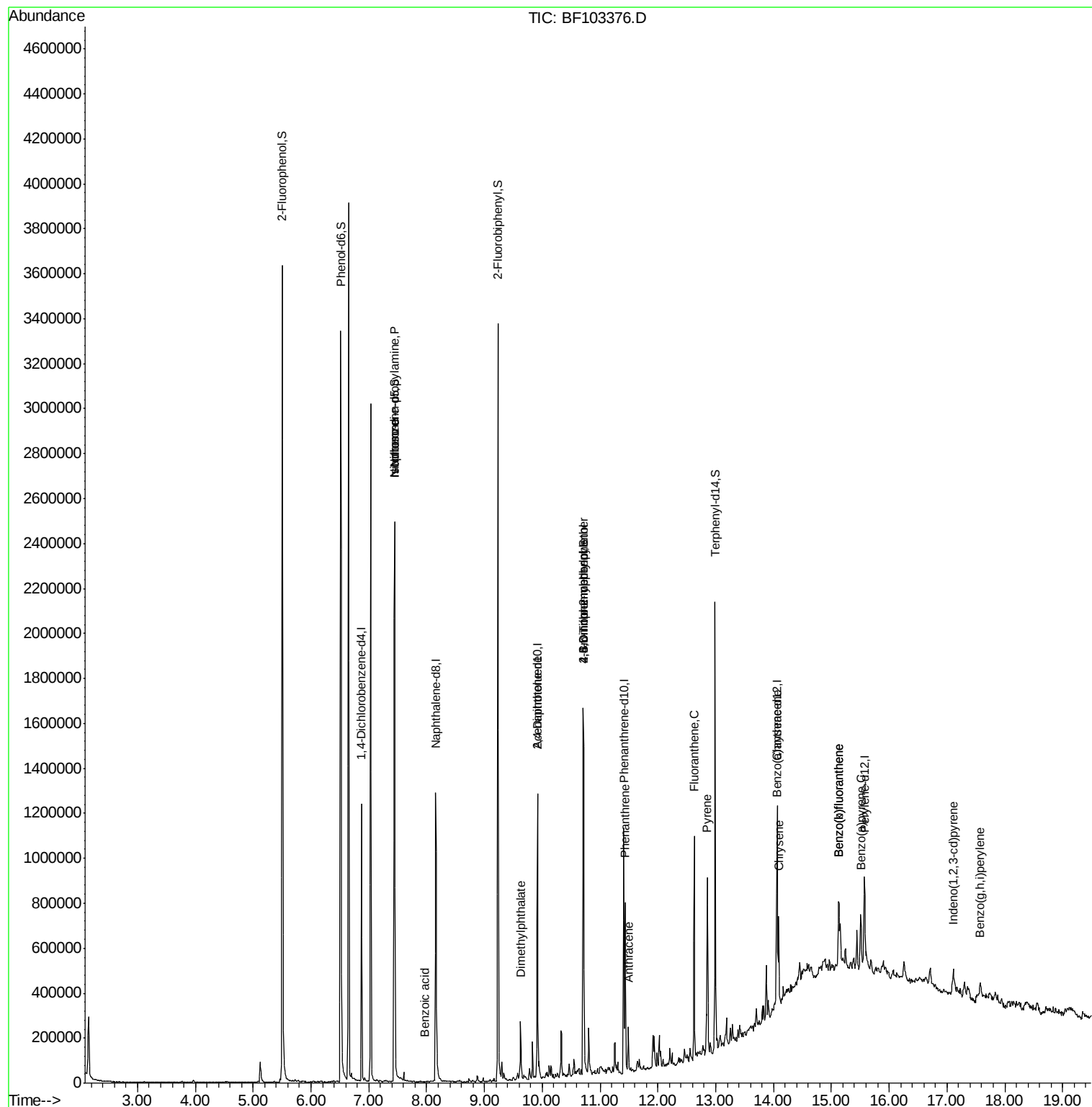
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.45	70	116575	14.842	ng	# 83
25) Isophorone	7.45	82	865666	39.256	ng	# 64
32) Benzoic acid	7.97	122	156	6.934	ng	# 1
49) Dimethylphthalate	9.63	163	115645	5.666	ng	99
56) 2,4-Dinitrotoluene	9.92	165	32992	6.091	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.71	198	434	5.122	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	13222	3.503	ng	# 1
70) Phenanthrene	11.43	178	248856	12.482	ng	99
71) Anthracene	11.49	178	82648	4.042	ng	98
74) Fluoranthene	12.63	202	368519	18.393	ng	98
77) Pyrene	12.86	202	326879	17.154	ng	99
80) Benzo(a)anthracene	14.05	228	175494	11.066	ng	98
82) Chrysene	14.09	228	157235	10.211	ng	96
85) Indeno(1,2,3-cd)pyrene	17.11	276	58186	4.773	ng	94
87) Benzo(b)fluoranthene	15.13	252	244421	17.938	ng	# 90
88) Benzo(k)fluoranthene	15.13	252	244421	19.049	ng	# 93
89) Benzo(a)pyrene	15.51	252	122245	10.046	ng	# 93
91) Benzo(g,h,i)perylene	17.58	276	54612	5.943	ng	93

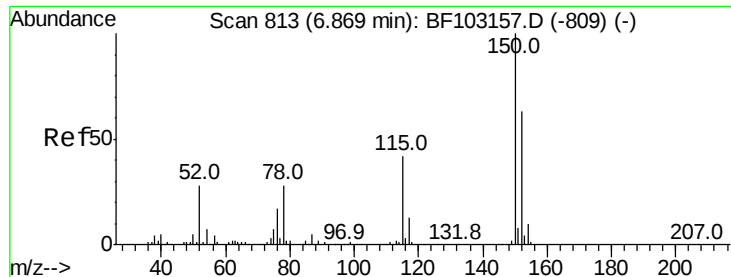
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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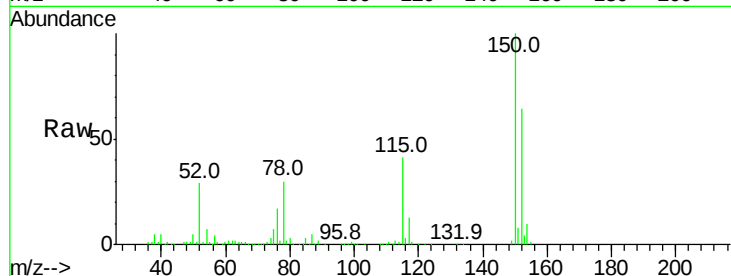


#1

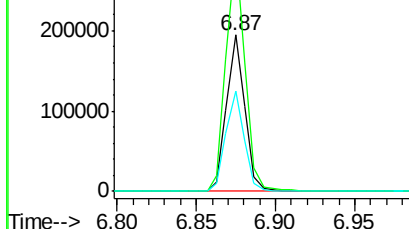
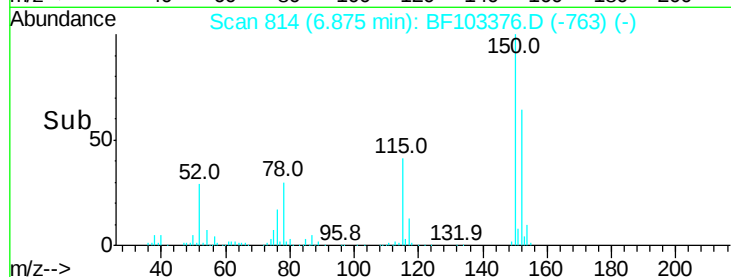
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF103376.D
Acq: 2 Mar 2018 20:10

Instrument :
BNA_F
ClientSampleId :
SP-42

Tot Ion:152 Resp: 155990
Ion Ratio Lower Upper
152 100
150 156.1 124.6 186.8
115 64.7 50.1 75.1



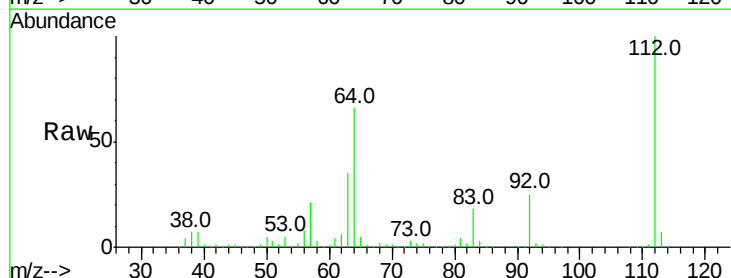
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



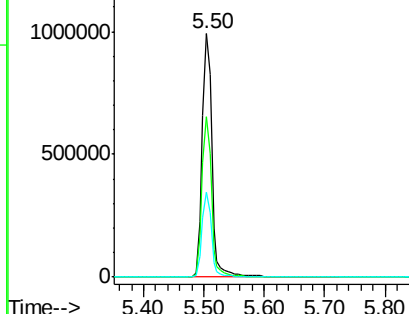
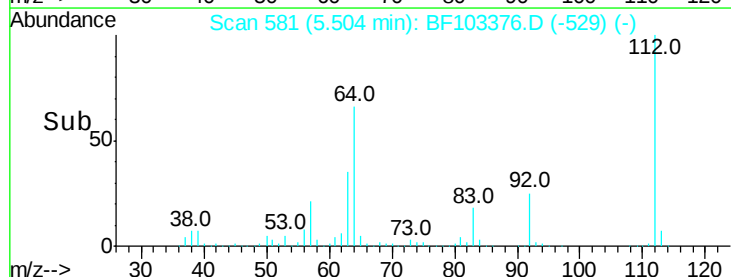
#5

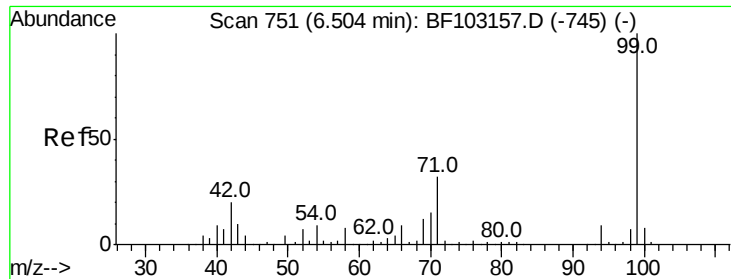
2-Fluorophenol
Concen: 109.097 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103376.D
Acq: 2 Mar 2018 20:10

Tgt Ion:112 Resp: 1125208
Ion Ratio Lower Upper
112 100
64 66.1 47.9 71.9
63 34.6 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: 105.846 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF103376.D

Acq: 2 Mar 2018 20:10

Instrument :

BNA_F

ClientSampled :

SP-42

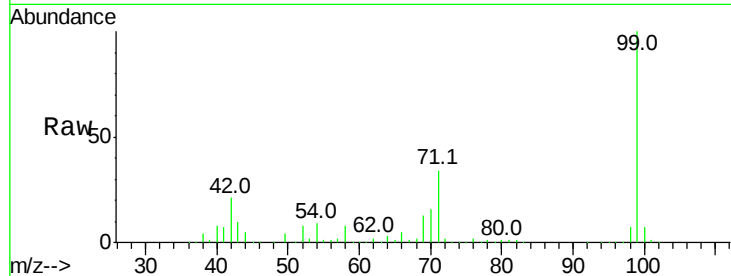
Tot Ion: 99 Resp: 1335838

Ion Ratio Lower Upper

99 100

42 20.9 14.5 21.7

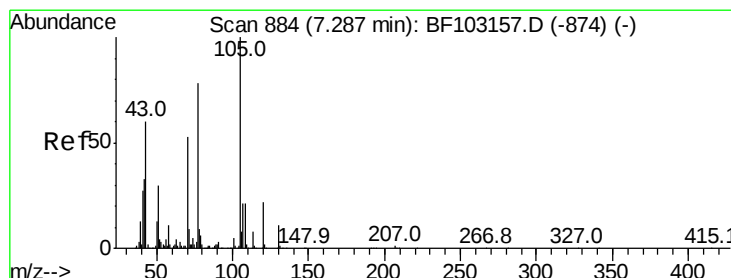
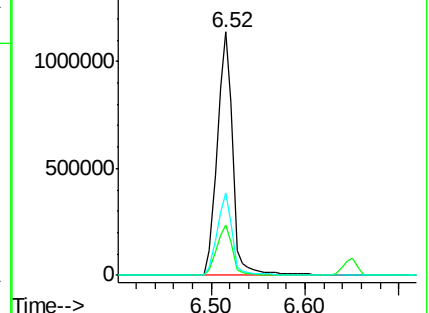
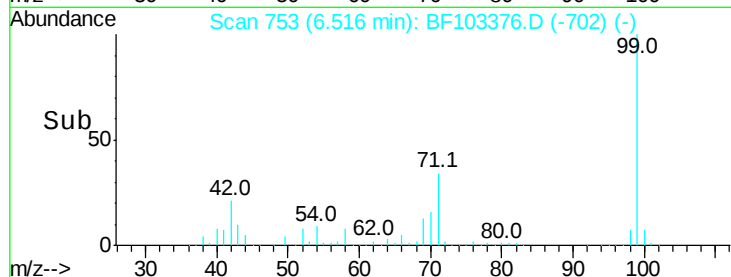
71 34.0 25.4 38.0



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: 14.842 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF103376.D

Acq: 2 Mar 2018 20:10

Tgt Ion: 70 Resp: 116575

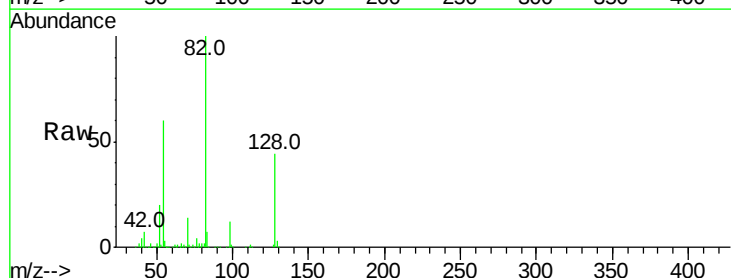
Ion Ratio Lower Upper

70 100

42 54.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

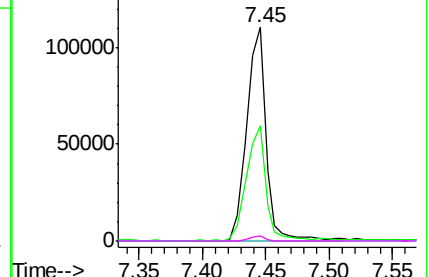
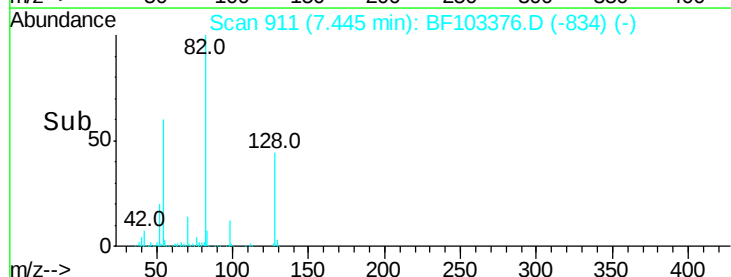


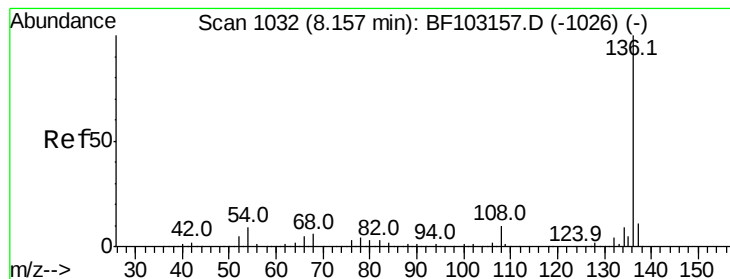
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF103376.D

Acq: 2 Mar 2018 20:10

Instrument :

BNA_F

ClientSampleId :

SP-42

Tot Ion:136 Resp: 639418

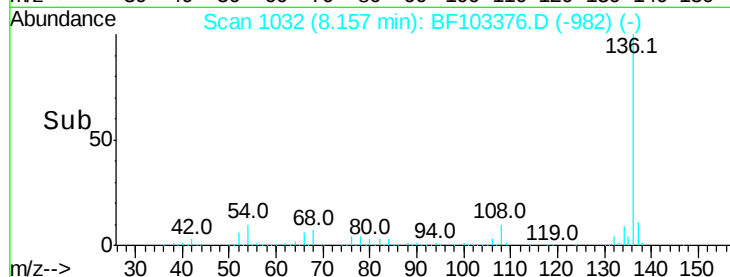
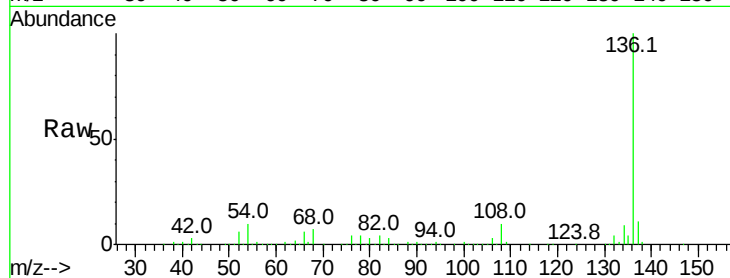
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 9.9 6.6 9.8#

68 6.7 5.0 7.4

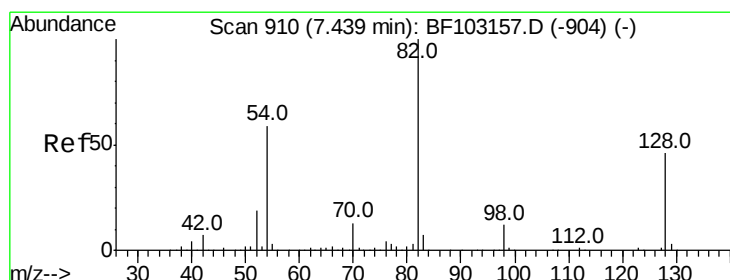
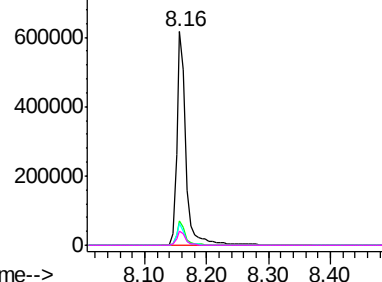


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.316 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF103376.D

Acq: 2 Mar 2018 20:10

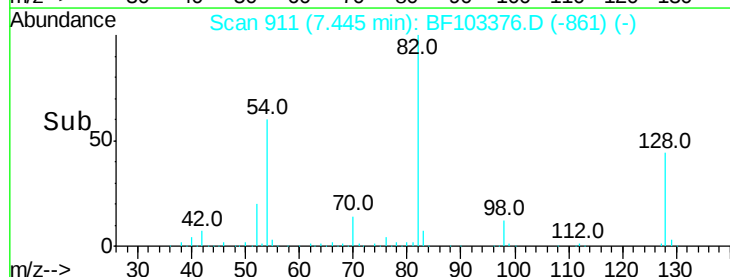
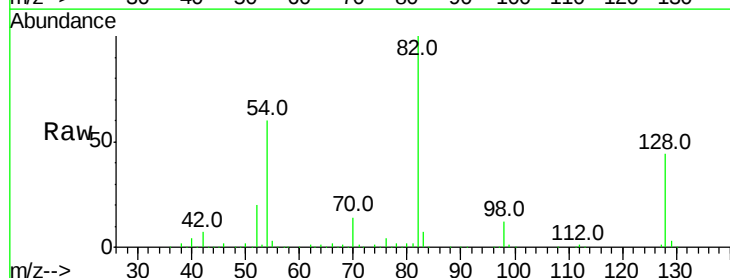
Tgt Ion: 82 Resp: 865672

Ion Ratio Lower Upper

82 100

128 44.0 36.1 54.1

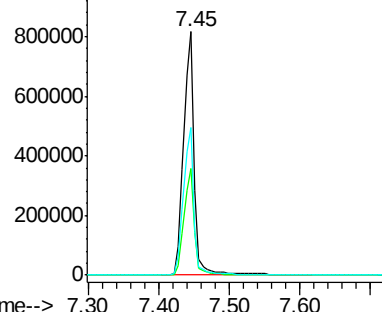
54 60.5 41.4 62.2

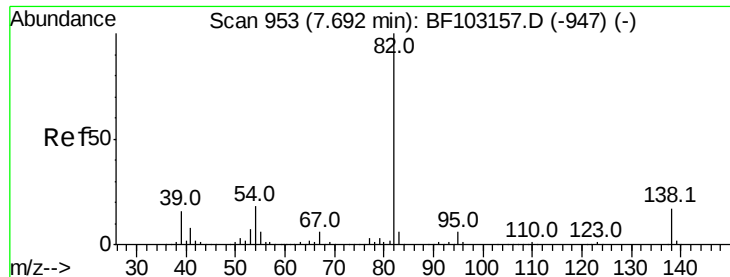


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 39.256 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF103376.D

Acq: 2 Mar 2018 20:10

Instrument :

BNA_F

ClientSampleId :

SP-42

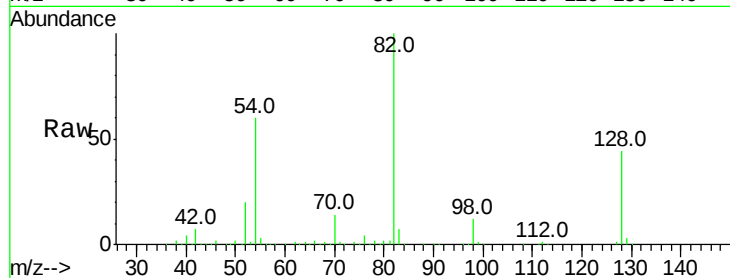
Tot Ion: 82 Resp: 865666

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

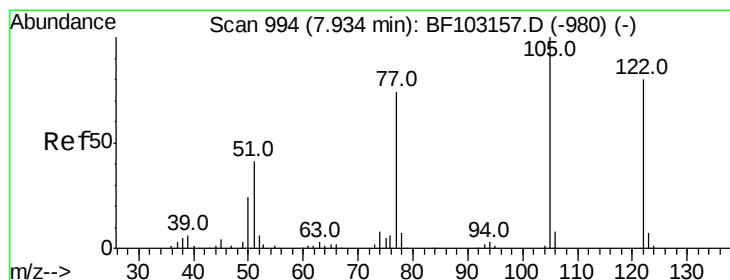
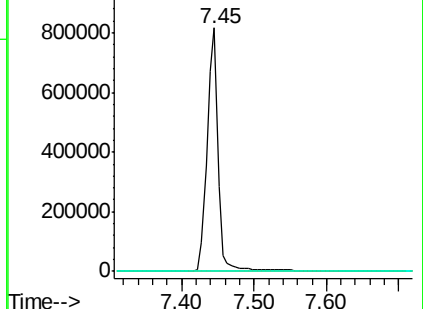
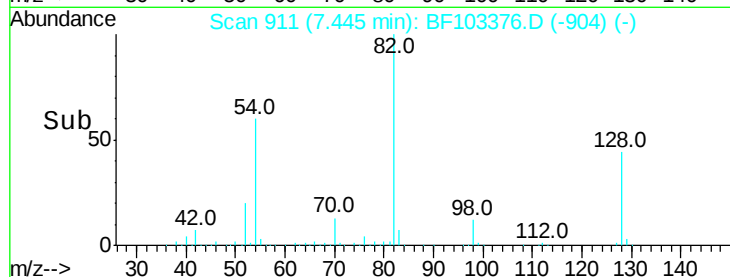
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 6.934 ng

RT: 7.97 min Scan# 1001

Delta R.T. 0.01 min

Lab File: BF103376.D

Acq: 2 Mar 2018 20:10

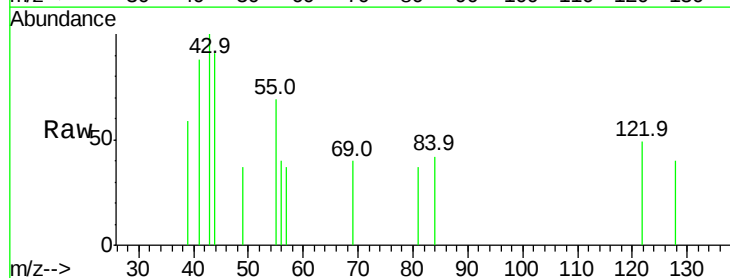
Tgt Ion: 122 Resp: 156

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

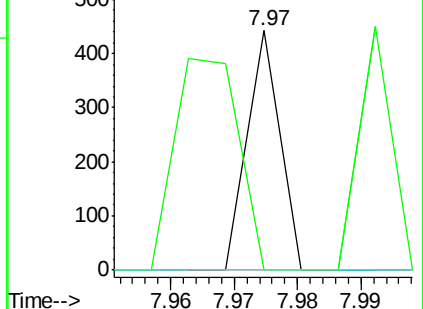
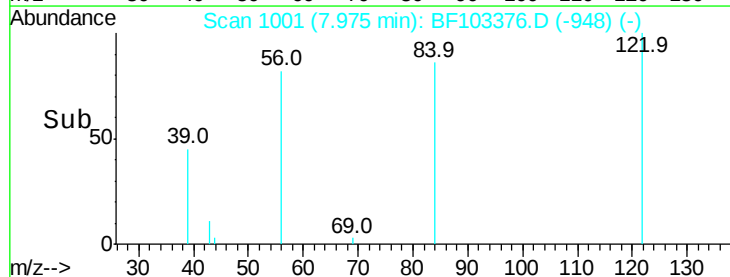
77 0.0 70.7 110.7#

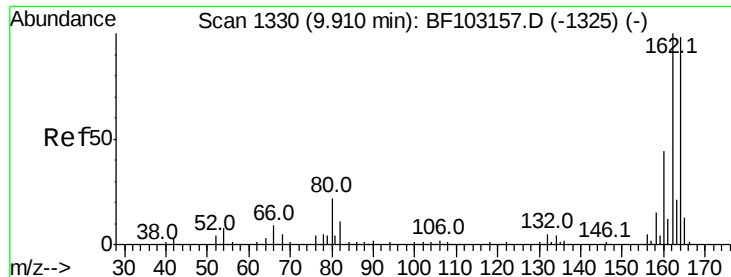


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

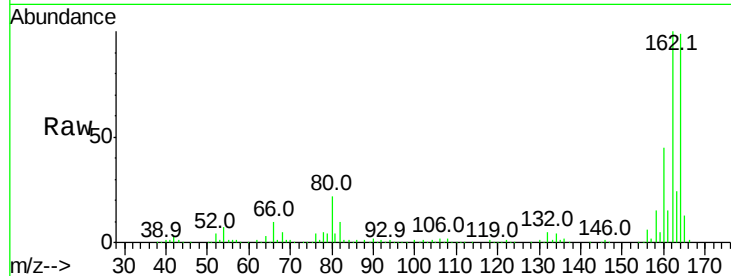




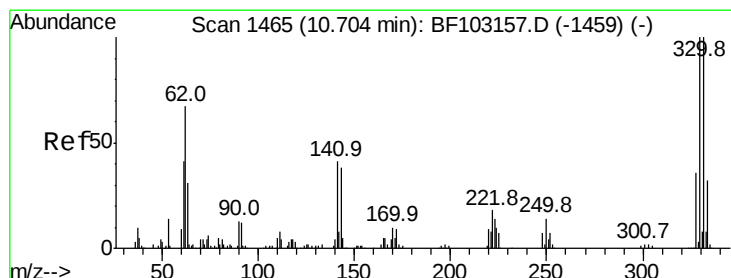
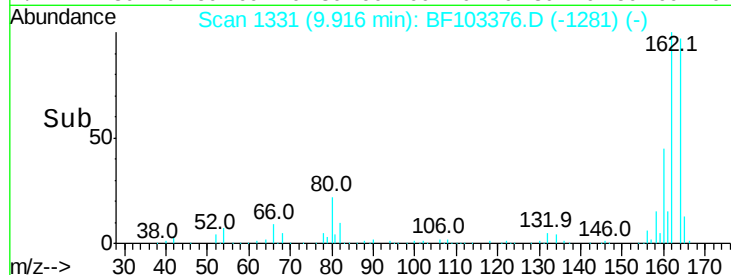
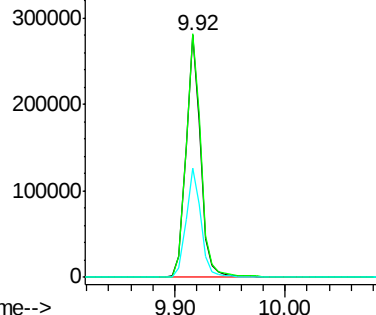
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF103376.D
 Acq: 2 Mar 2018 20:10

Instrument :
 BNA_F
 ClientSampleId :
 SP-42

Tot Ion:164 Resp: 254410
 Ion Ratio Lower Upper
 164 100
 162 100.5 86.1 129.1
 160 45.3 38.3 57.5

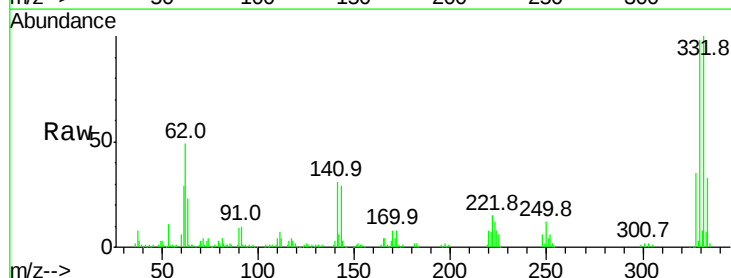


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

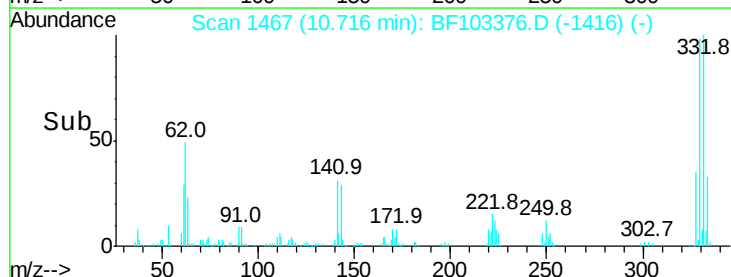
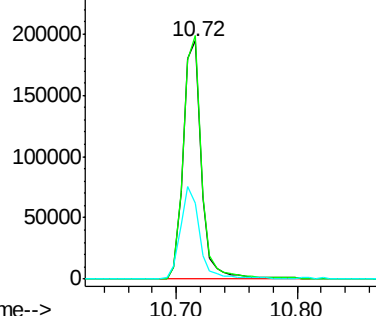


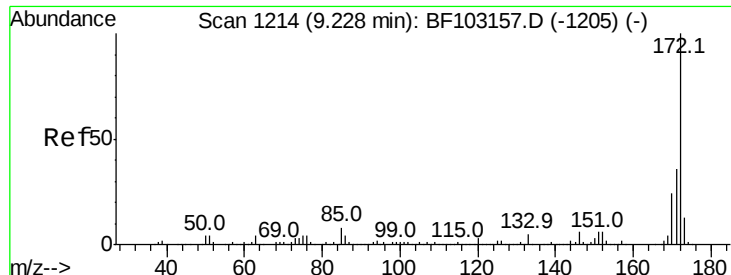
#41
 2,4,6-Tribromophenol
 Concen: 93.477 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.00 min
 Lab File: BF103376.D
 Acq: 2 Mar 2018 20:10

Tgt Ion:330 Resp: 201297
 Ion Ratio Lower Upper
 330 100
 332 102.0 77.0 115.6
 141 41.7 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: 69.456 ng

RT: 9.23 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF103376.D

Acq: 2 Mar 2018 20:10

Instrument :

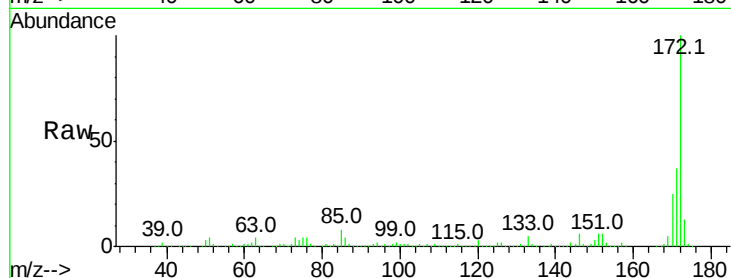
BNA_F

ClientSampled :

SP-42

Tot Ion:172 Resp: 1071970

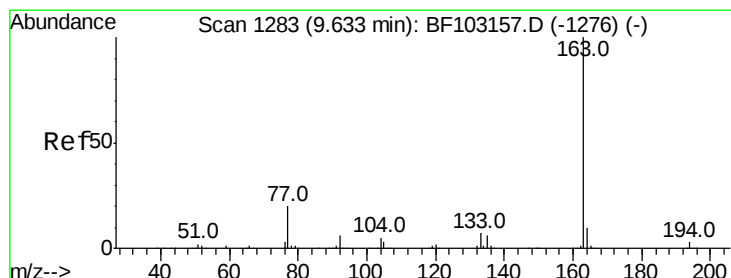
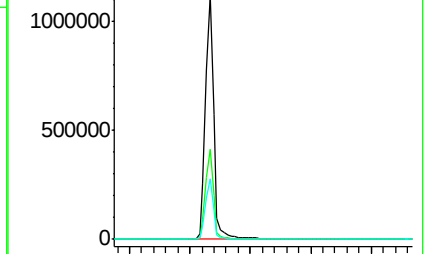
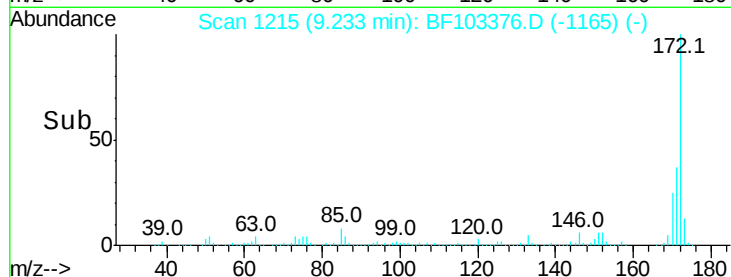
Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	24.7	19.6	29.4



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: 5.666 ng

RT: 9.63 min Scan# 1282

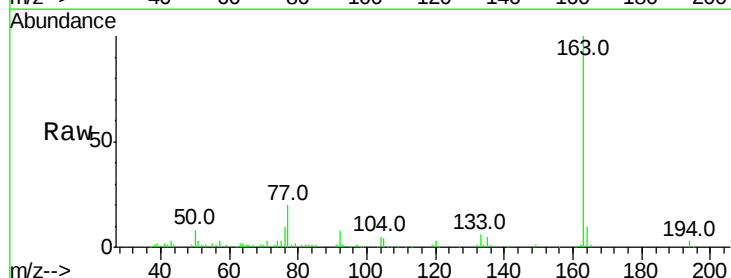
Delta R.T. -0.01 min

Lab File: BF103376.D

Acq: 2 Mar 2018 20:10

Tgt Ion:163 Resp: 115645

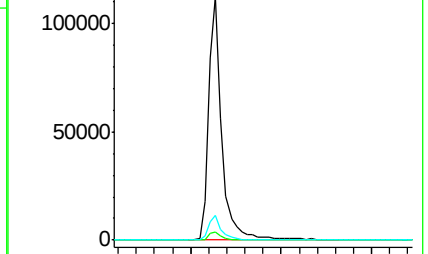
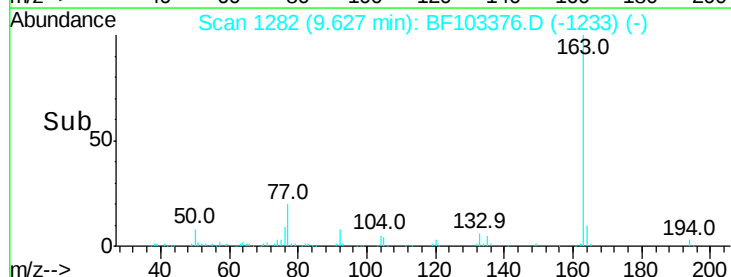
Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.7	4.1
164	10.0	8.2	12.2

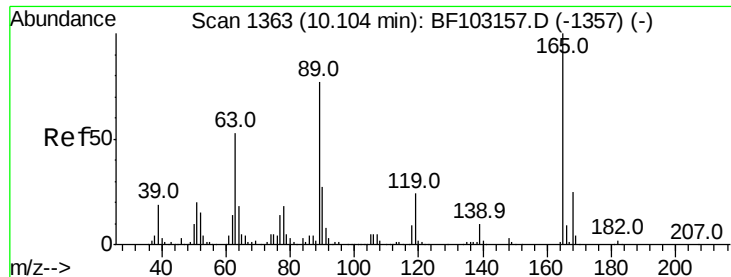


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

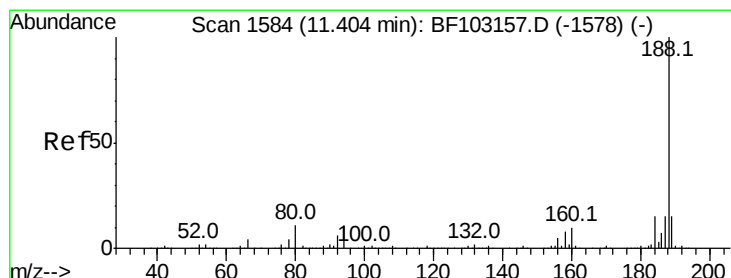
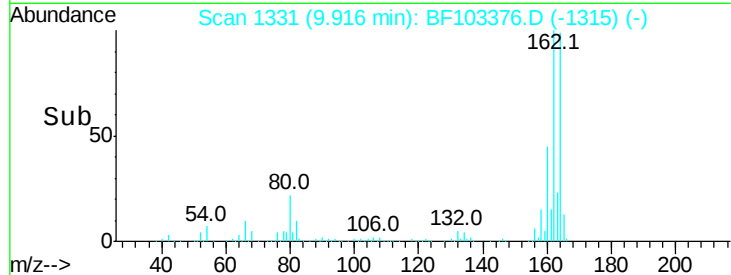
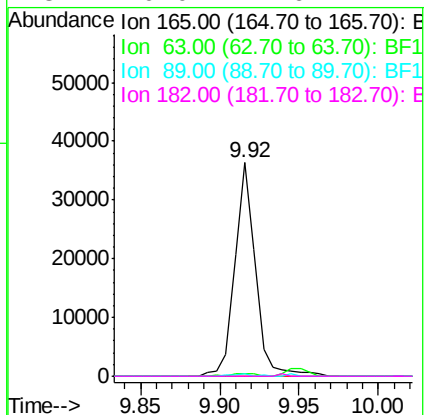
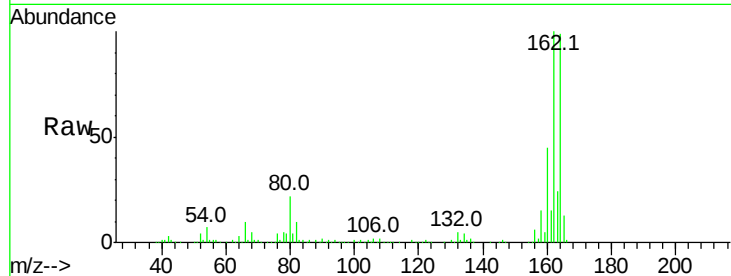




#56
 2,4-Dinitrotoluene
 Concen: 6.091 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.21 min
 Lab File: BF103376.D
 Acq: 2 Mar 2018 20:10

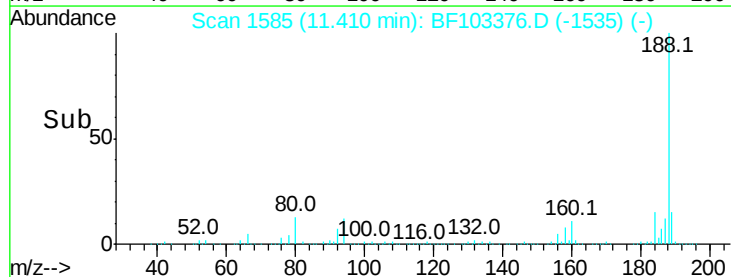
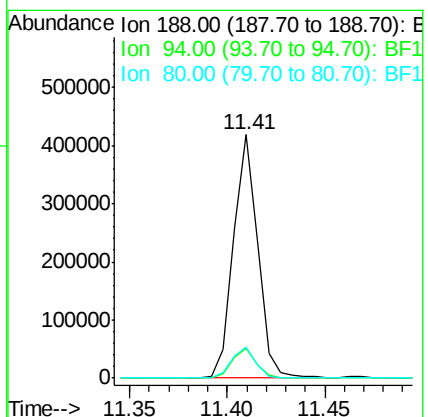
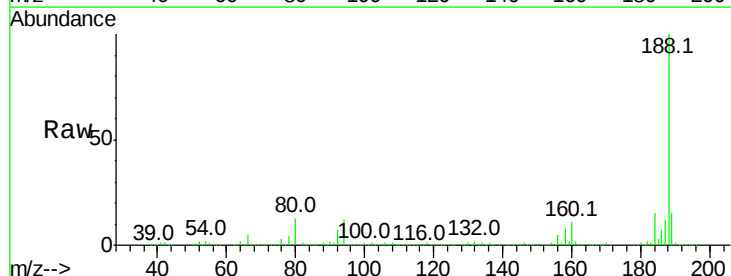
Instrument :
 BNA_F
 ClientSampleId :
 SP-42

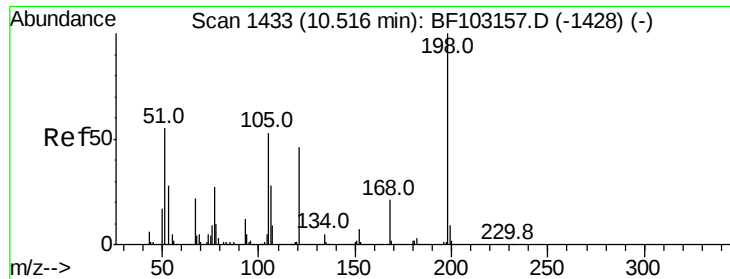
Tot Ion:165 Resp: 32992
 Ion Ratio Lower Upper
 165 100
 63 1.4 36.4 54.6#
 89 1.4 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF103376.D
 Acq: 2 Mar 2018 20:10

Tgt Ion:188 Resp: 362288
 Ion Ratio Lower Upper
 188 100
 94 12.2 8.5 12.7
 80 13.0 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 5.122 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.17 min

Lab File: BF103376.D

Acq: 2 Mar 2018 20:10

Instrument :

BNA_F

ClientSampled :

SP-42

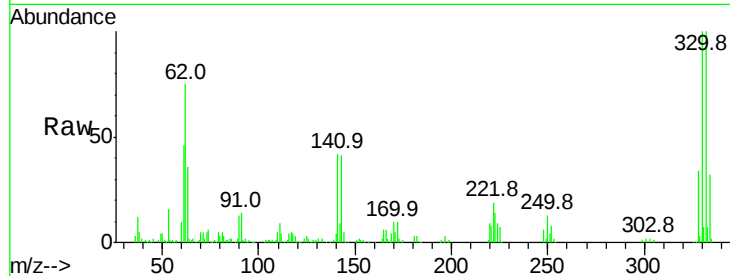
Tot Ion:198 Resp: 434

Ion Ratio Lower Upper

198 100

51 265.3 37.7 77.7#

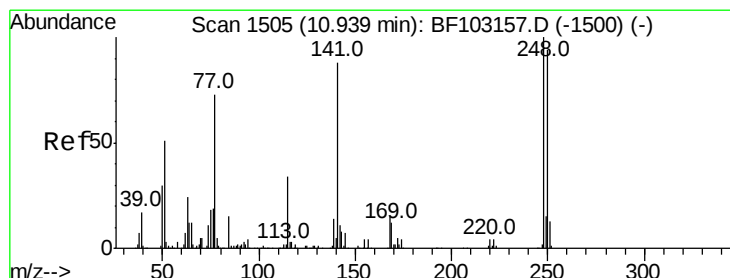
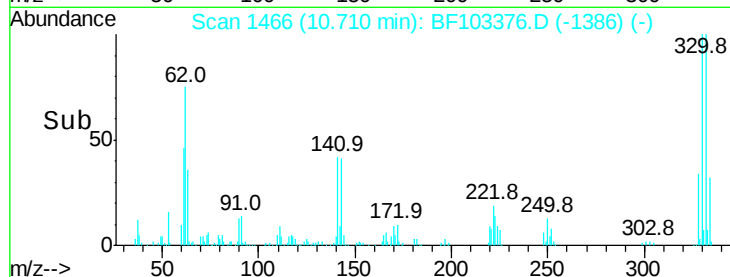
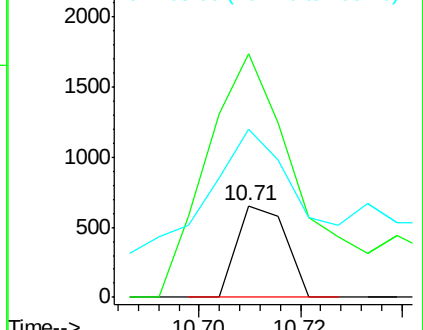
105 182.6 36.3 76.3#



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: 3.503 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.24 min

Lab File: BF103376.D

Acq: 2 Mar 2018 20:10

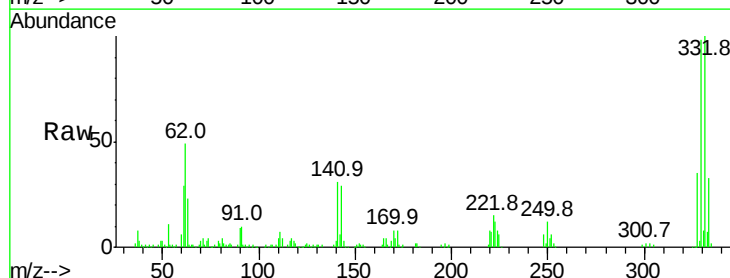
Tgt Ion:248 Resp: 13222

Ion Ratio Lower Upper

248 100

250 190.0 76.9 115.3#

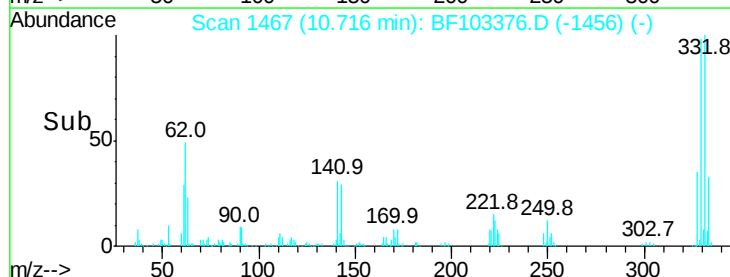
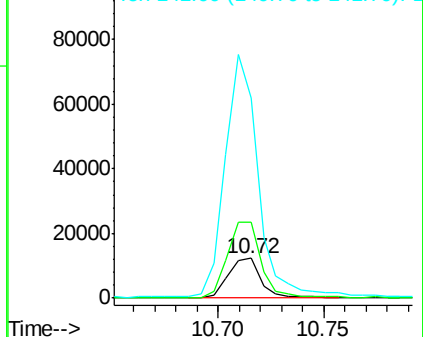
141 503.3 74.4 111.6#

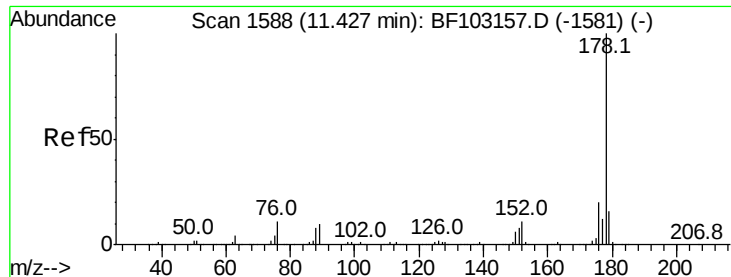


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 12.482 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF103376.D

Acq: 2 Mar 2018 20:10

Instrument :

BNA_F

ClientSampleId :

SP-42

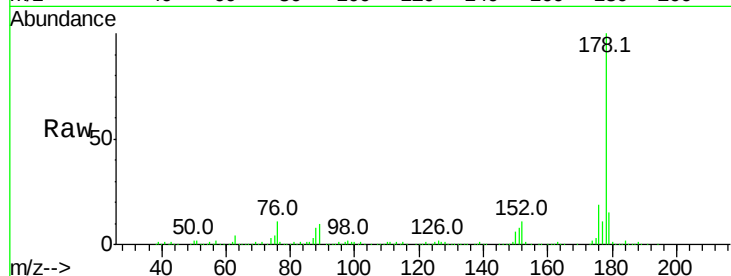
Tot Ion:178 Resp: 248856

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

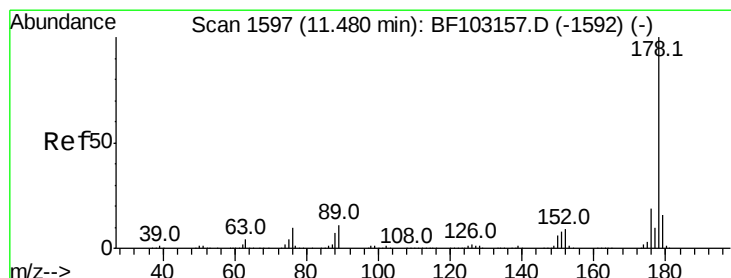
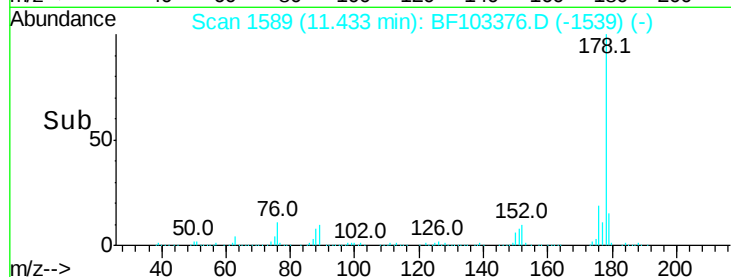
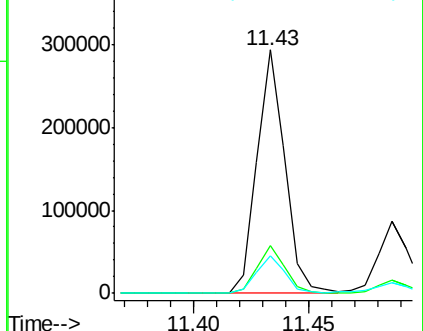
179 15.4 13.0 19.6



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: 4.042 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF103376.D

Acq: 2 Mar 2018 20:10

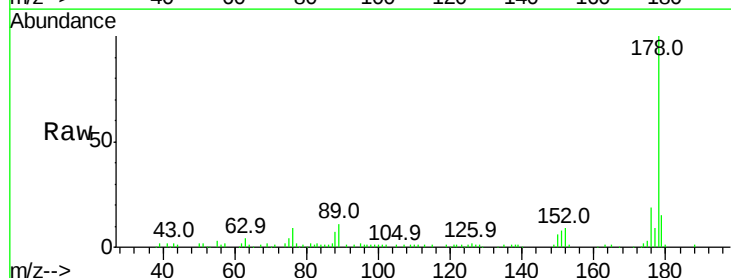
Tgt Ion:178 Resp: 82648

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.2

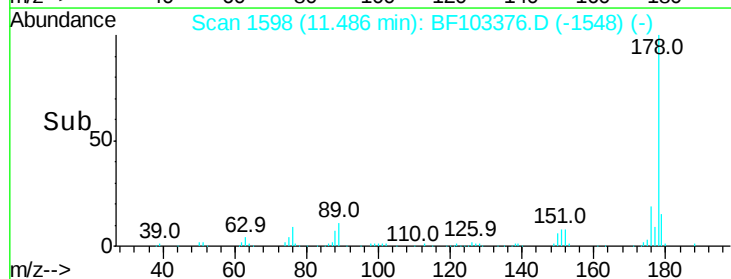
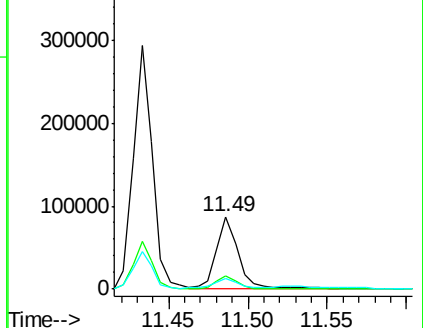
179 14.6 12.6 19.0

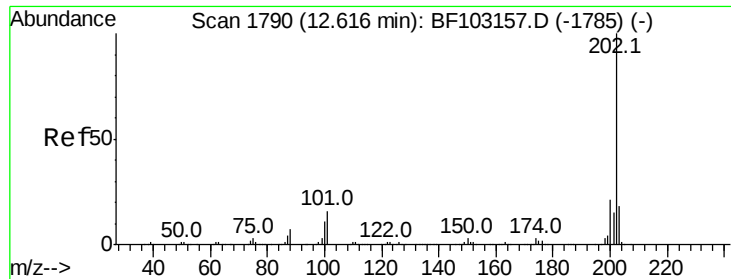


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 18.393 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF103376.D

Acq: 2 Mar 2018 20:10

Instrument :

BNA_F

ClientSampleId :

SP-42

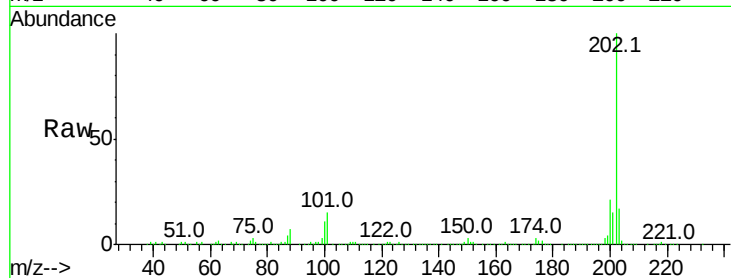
Tot Ion:202 Resp: 368519

Ion Ratio Lower Upper

202 100

101 15.2 0.0 34.1

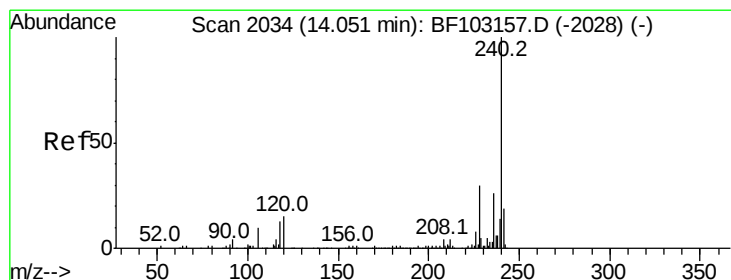
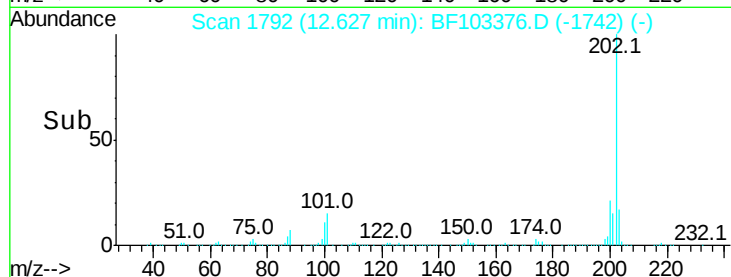
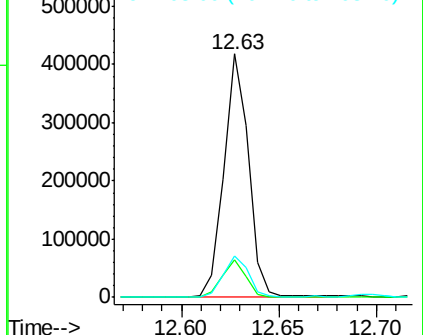
203 17.1 0.0 38.1



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: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF103376.D

Acq: 2 Mar 2018 20:10

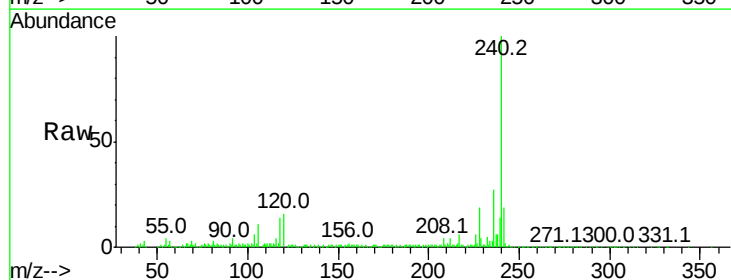
Tgt Ion:240 Resp: 244413

Ion Ratio Lower Upper

240 100

120 15.9 9.5 14.3#

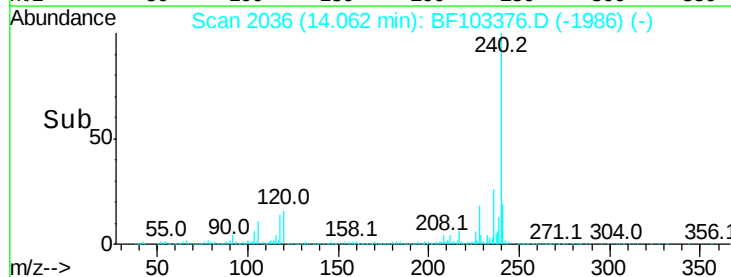
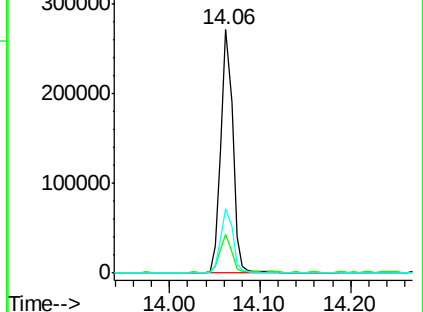
236 26.6 20.7 31.1

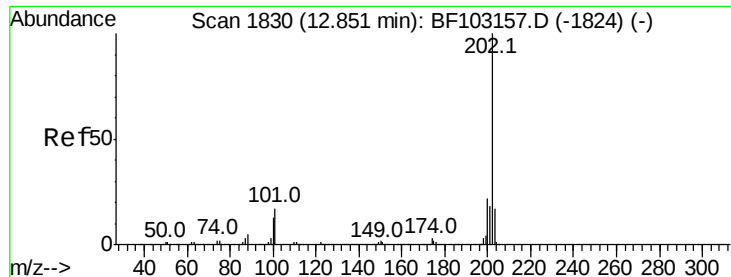


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 17.154 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF103376.D

Acq: 2 Mar 2018 20:10

Instrument :

BNA_F

ClientSampleId :

SP-42

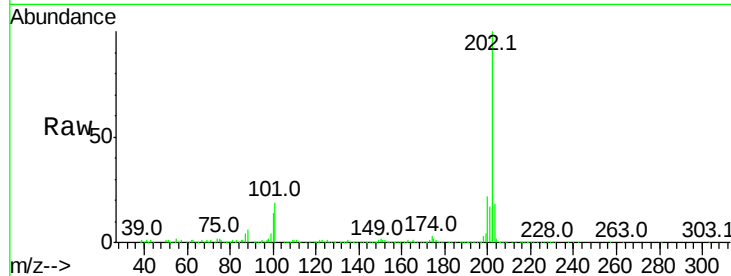
Tot Ion:202 Resp: 326879

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

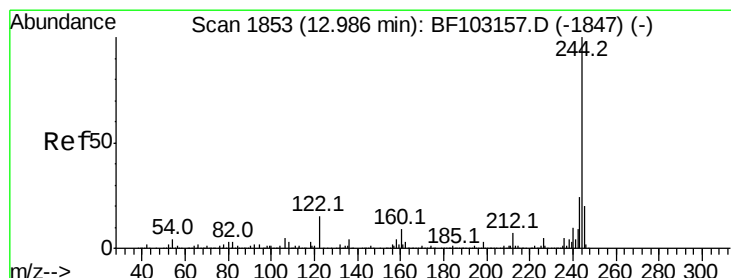
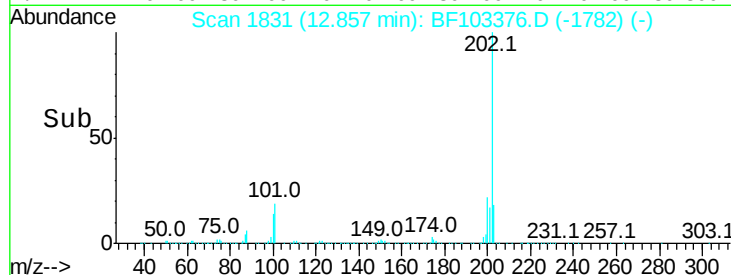
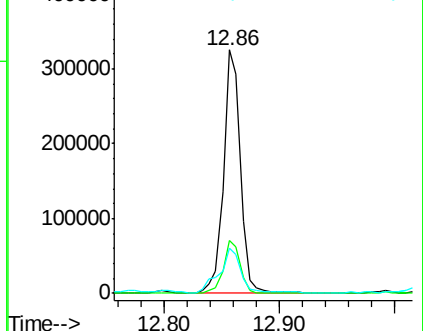
203 18.5 14.3 21.5



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: 65.511 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF103376.D

Acq: 2 Mar 2018 20:10

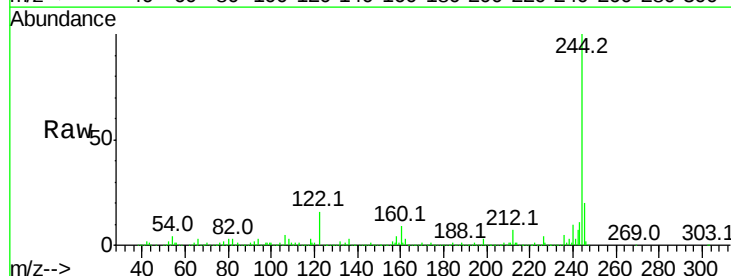
Tgt Ion:244 Resp: 666085

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

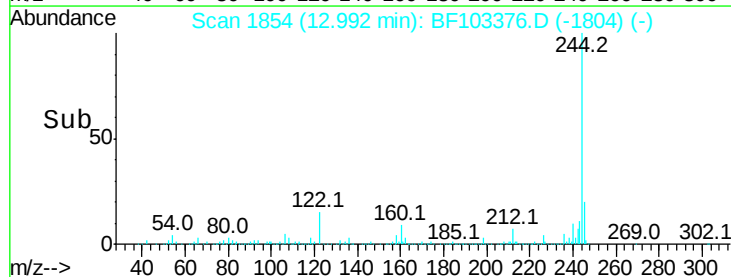
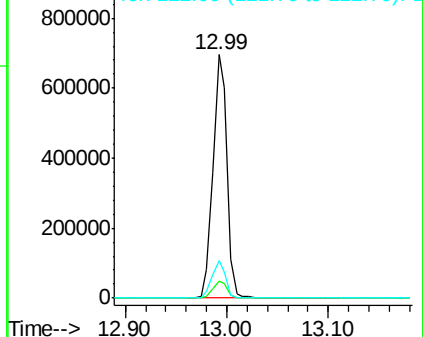
122 15.5 11.0 16.4

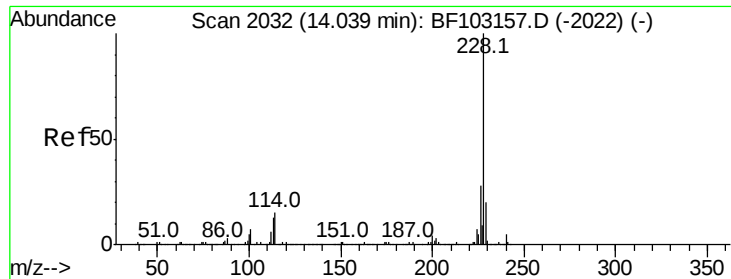


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

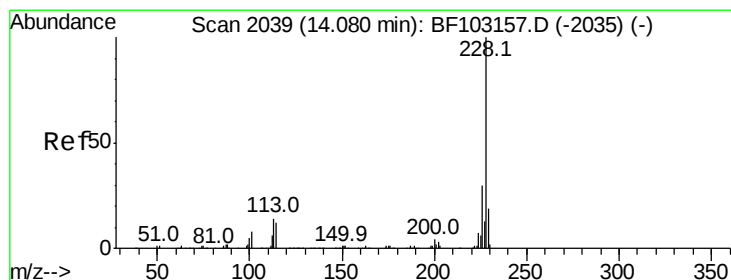
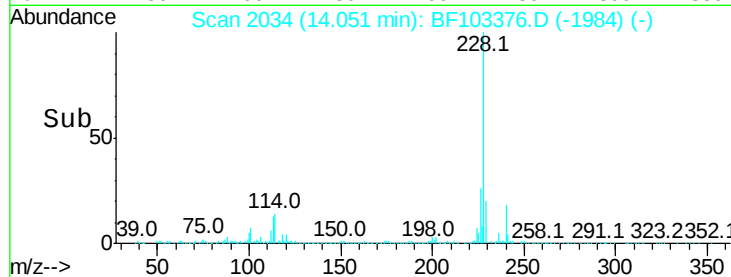
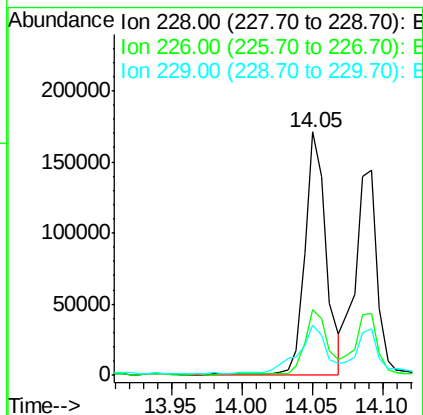
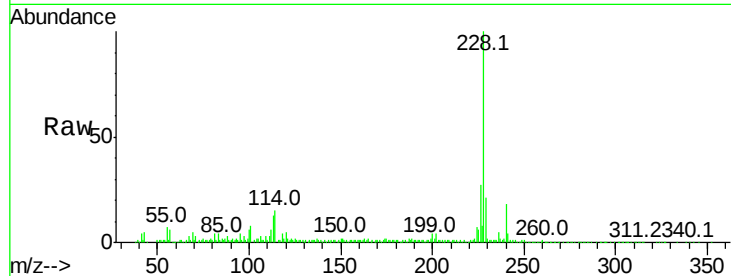




#80
Benzo(a)anthracene
Concen: 11.066 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF103376.D
Acq: 2 Mar 2018 20:10

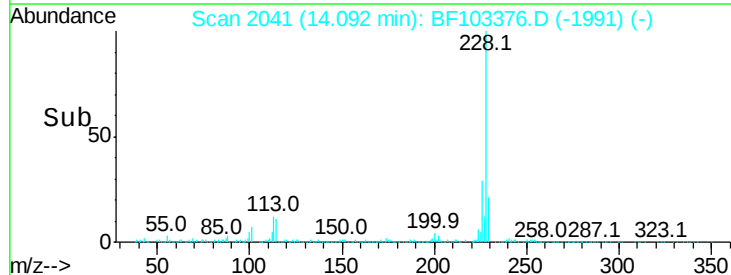
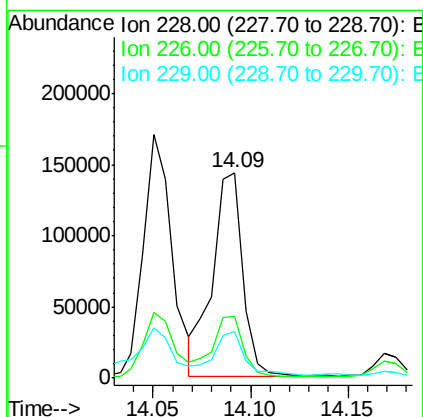
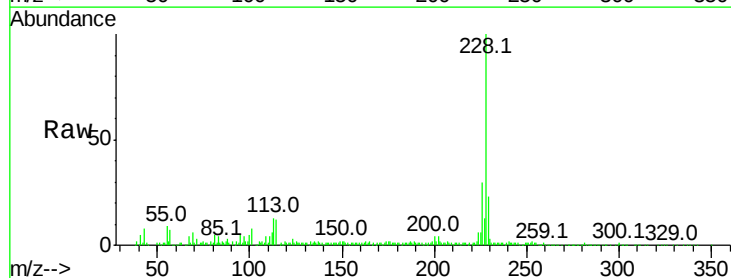
Instrument :
BNA_F
ClientSampleId :
SP-42

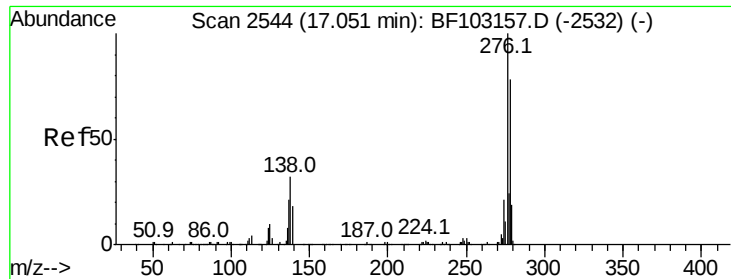
Tot Ion:228 Resp: 175494
Ion Ratio Lower Upper
228 100
226 27.0 22.6 33.8
229 20.9 15.8 23.6



#82
Chrysene
Concen: 10.211 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103376.D
Acq: 2 Mar 2018 20:10

Tgt Ion:228 Resp: 157235
Ion Ratio Lower Upper
228 100
226 30.0 25.0 37.6
229 22.7 16.2 24.4

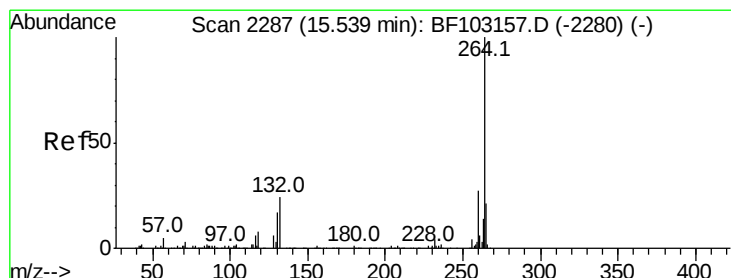
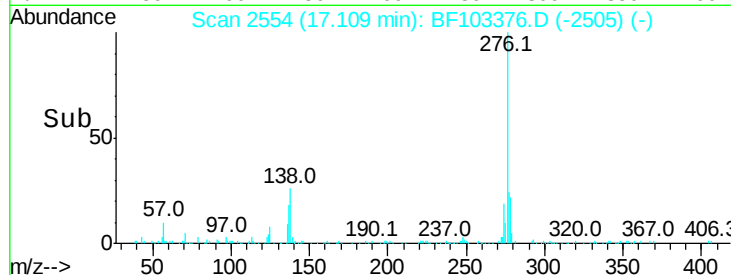
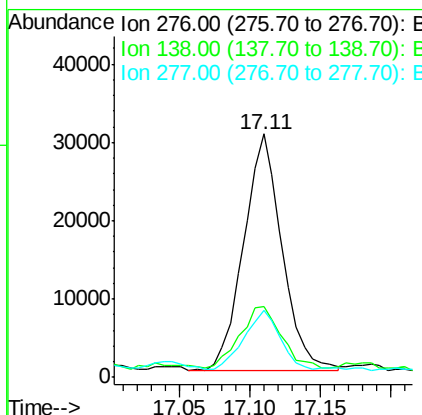
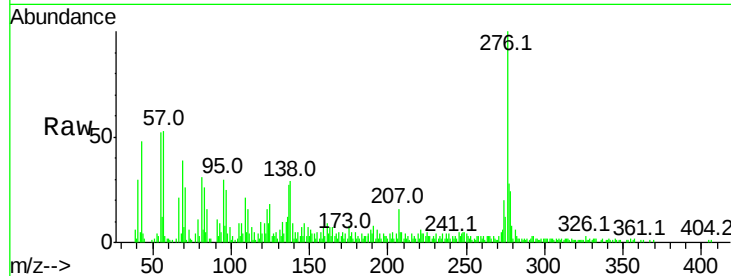




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.773 ng
 RT: 17.11 min Scan# 2554
 Delta R.T. -0.01 min
 Lab File: BF103376.D
 Acq: 2 Mar 2018 20:10

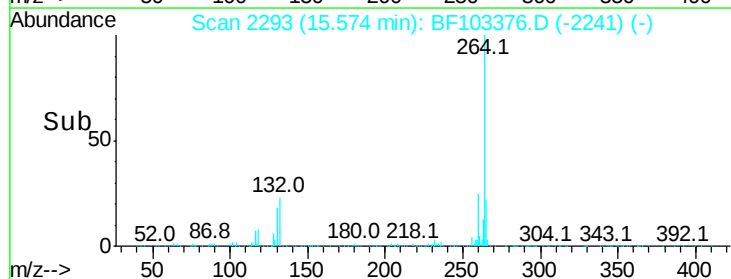
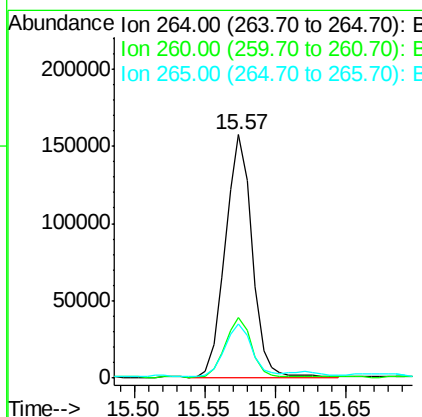
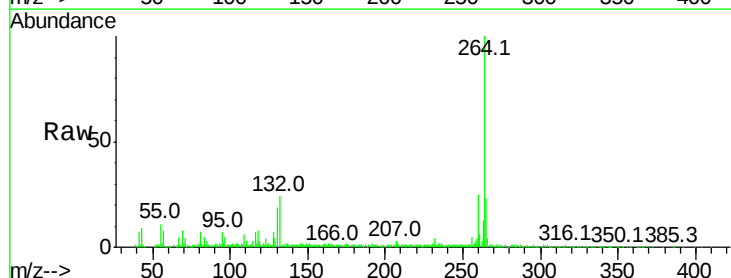
Instrument :
 BNA_F
 ClientSampleId :
 SP-42

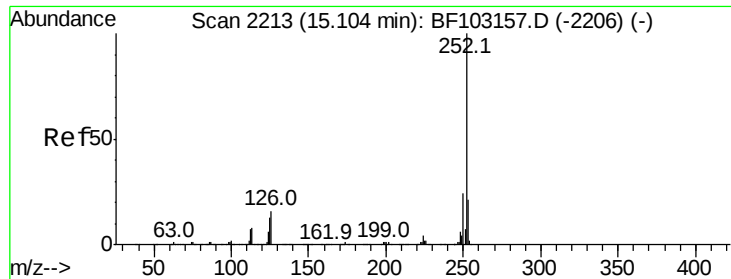
Tot Ion:276 Resp: 58186
 Ion Ratio Lower Upper
 276 100
 138 27.8 25.0 37.6
 277 22.6 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.57 min Scan# 2293
 Delta R.T. 0.01 min
 Lab File: BF103376.D
 Acq: 2 Mar 2018 20:10

Tgt Ion:264 Resp: 207242
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.2 28.8
 265 22.5 17.5 26.3

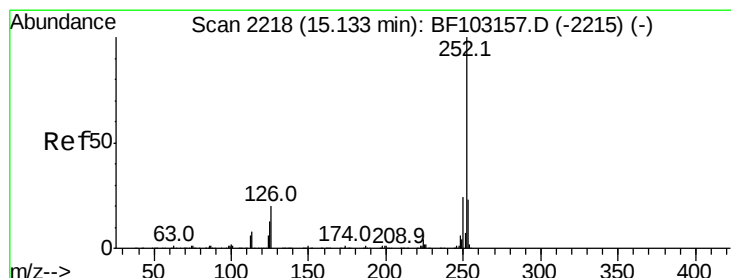
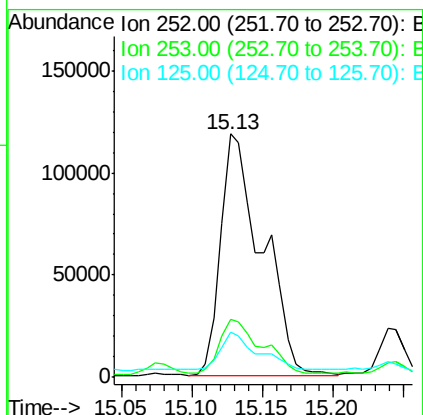
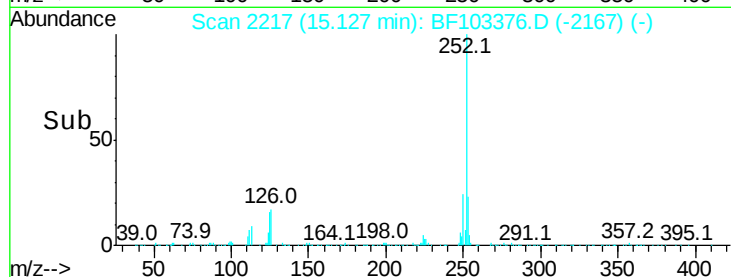
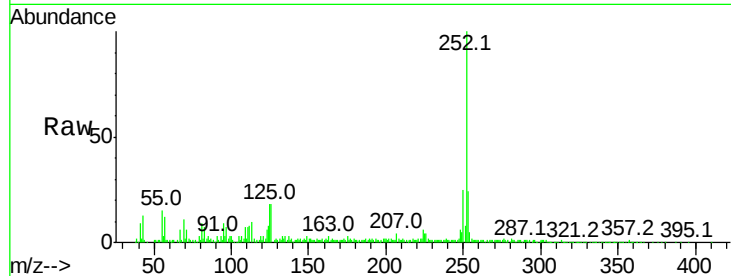




#87
Benzo(b)fluoranthene
Concen: 17.938 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF103376.D
Acq: 2 Mar 2018 20:10

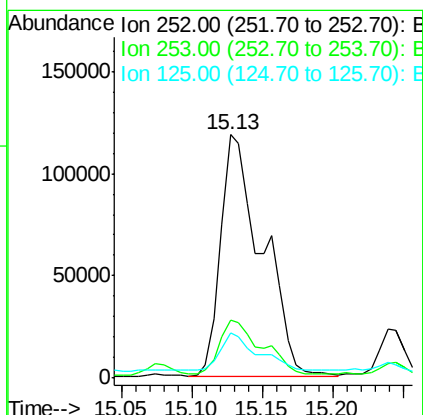
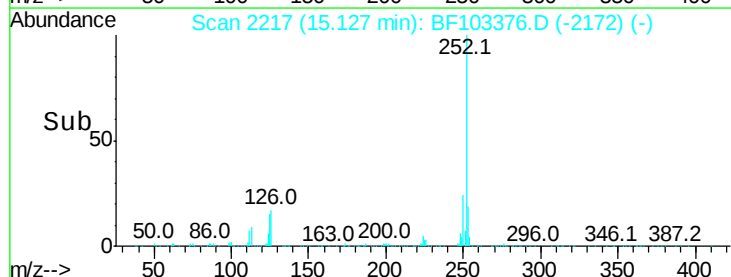
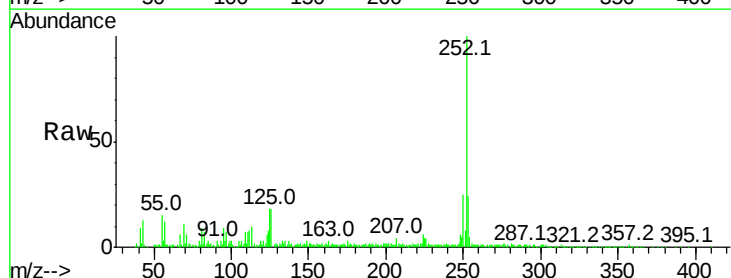
Instrument :
BNA_F
ClientSampleId :
SP-42

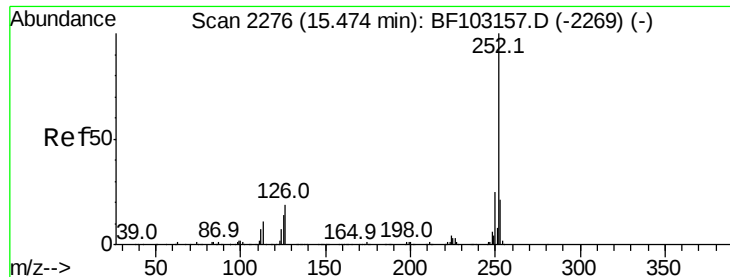
Tot Ion:252 Resp: 244421
Ion Ratio Lower Upper
252 100
253 24.1 17.0 25.6
125 18.4 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 19.049 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.04 min
Lab File: BF103376.D
Acq: 2 Mar 2018 20:10

Tgt Ion:252 Resp: 244421
Ion Ratio Lower Upper
252 100
253 24.1 17.9 26.9
125 18.4 10.2 15.2#

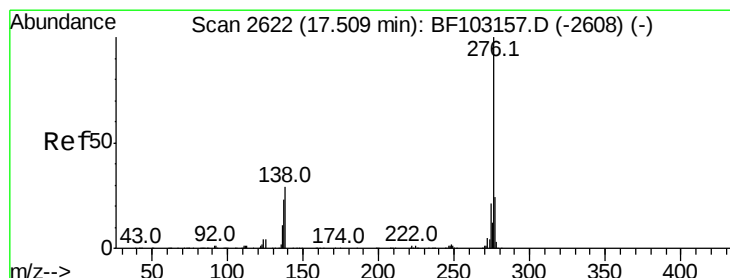
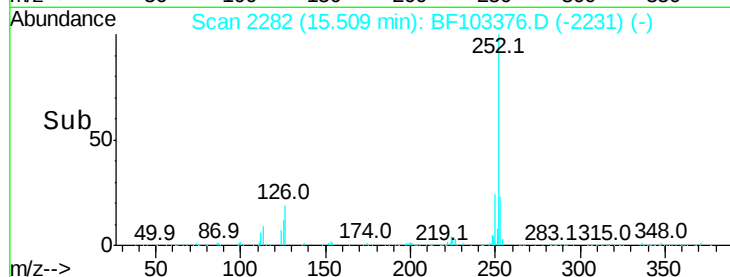
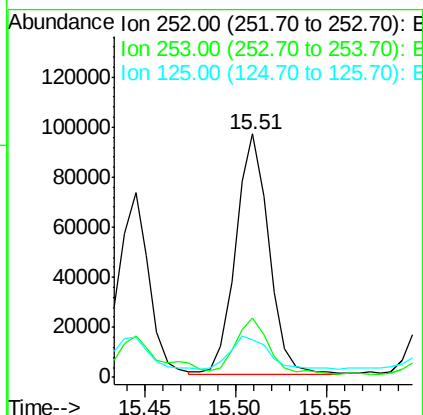
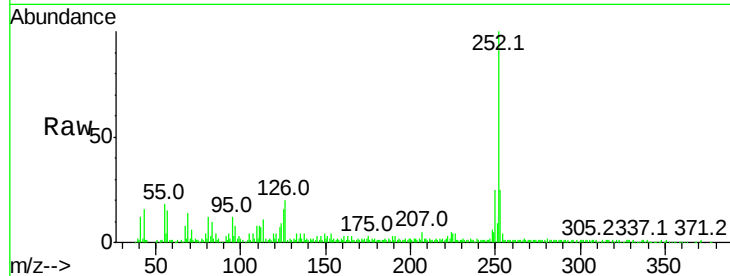




#89
Benzo(a)pyrene
Concen: 10.046 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.00 min
Lab File: BF103376.D
Acq: 2 Mar 2018 20:10

Instrument :
BNA_F
ClientSampleId :
SP-42

Tot Ion:252 Resp: 122245
Ion Ratio Lower Upper
252 100
253 24.6 17.1 25.7
125 15.6 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 5.943 ng
RT: 17.58 min Scan# 2634
Delta R.T. -0.00 min
Lab File: BF103376.D
Acq: 2 Mar 2018 20:10

Tgt Ion:276 Resp: 54612
Ion Ratio Lower Upper
276 100
277 26.6 17.9 26.9
138 30.0 21.8 32.8

