

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
 Data File : BF103217.D
 Acq On : 26 Feb 2018 14:33
 Operator : SJ/JU
 Sample : J1652-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 26 16:10:43 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 02:43:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	180488	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	736114	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	302602	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	441271	20.00	ng	0.00
75) Chrysene-d12	14.04	240	323044	20.00	ng	0.00
86) Perylene-d12	15.54	264	333124	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1448023	121.34	ng	0.01
7) Phenol-d6	6.51	99	1689151	115.67	ng	0.00
23) Nitrobenzene-d5	7.44	82	1128166	87.52	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	278969	108.91	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1523817	87.29	ng	0.00
78) Terphenyl-d14	12.98	244	997029	74.19	ng	0.00

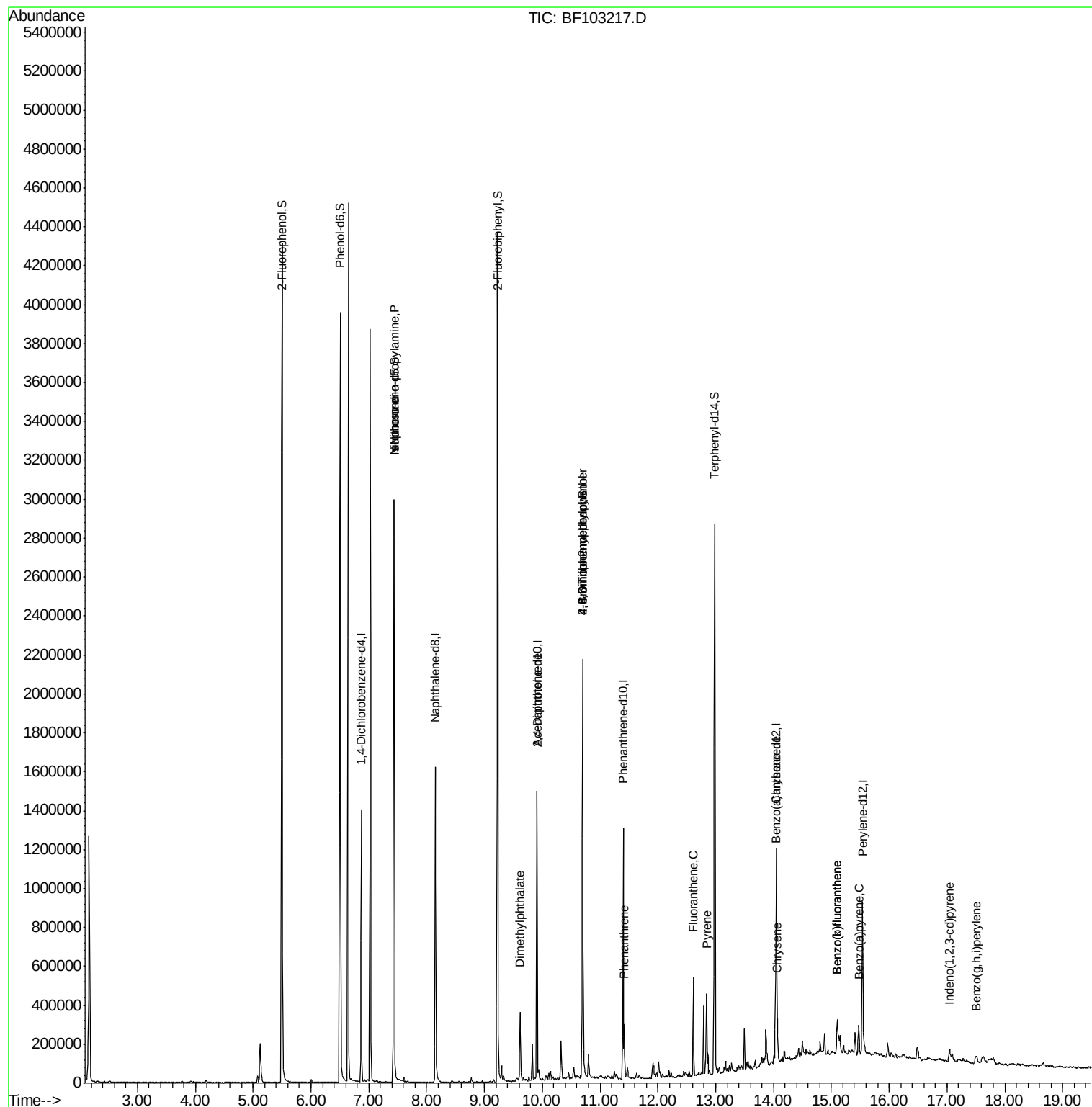
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	2430	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.44	70	150720	16.584	ng	# 80
25) Isophorone	7.44	82	1128152	44.439	ng	# 64
49) Dimethylphthalate	9.62	163	124980	5.148	ng	100
56) 2,4-Dinitrotoluene	9.91	165	39362	6.109	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.70	198	657	5.165	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	18779	4.085	ng	# 1
70) Phenanthrene	11.42	178	91722	3.777	ng	98
74) Fluoranthene	12.61	202	190310	7.799	ng	97
77) Pyrene	12.84	202	169188	6.717	ng	98
80) Benzo(a)anthracene	14.03	228	84852	4.048	ng	98
82) Chrysene	14.07	228	73276	3.600	ng	97
85) Indeno(1,2,3-cd)pyrene	17.04	276	35800	2.222	ng	96
87) Benzo(b)fluoranthene	15.10	252	131714	6.014	ng	# 93
88) Benzo(k)fluoranthene	15.10	252	131714	6.386	ng	# 96
89) Benzo(a)pyrene	15.47	252	72359	3.700	ng	# 93
91) Benzo(a,h,i)perylene	17.51	276	35047	2.373	ng	96

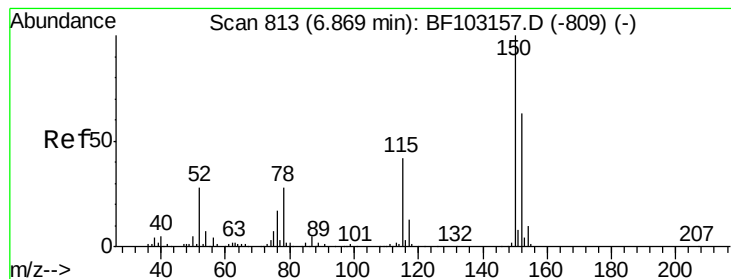
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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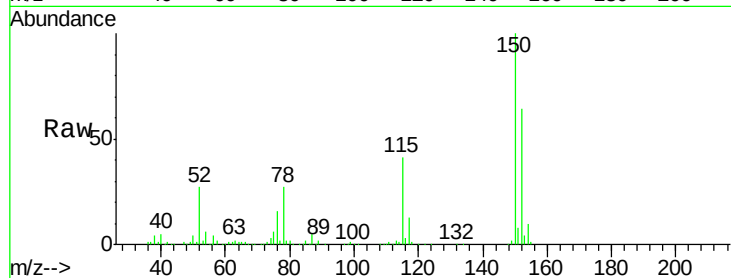


#1

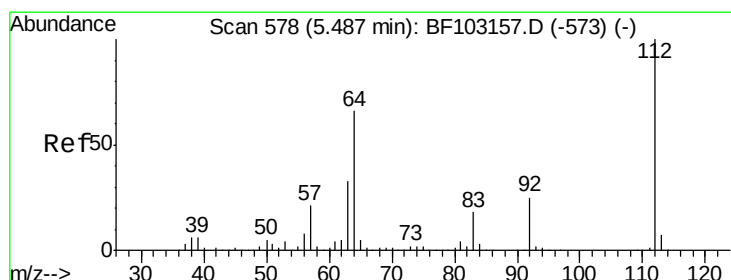
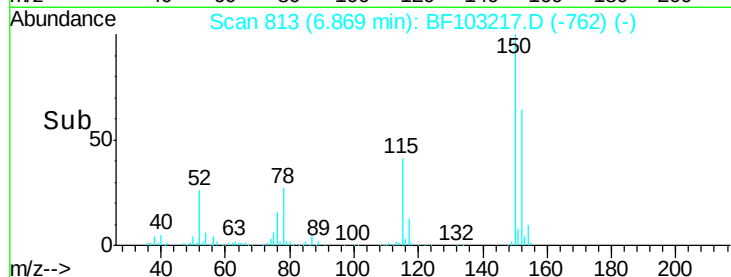
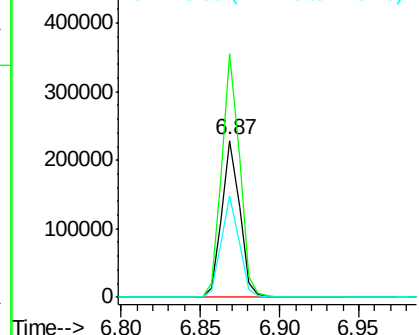
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF103217.D
Acq: 26 Feb 2018 14:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 180488
Ion Ratio Lower Upper
152 100
150 155.3 124.6 186.8
115 64.4 50.1 75.1



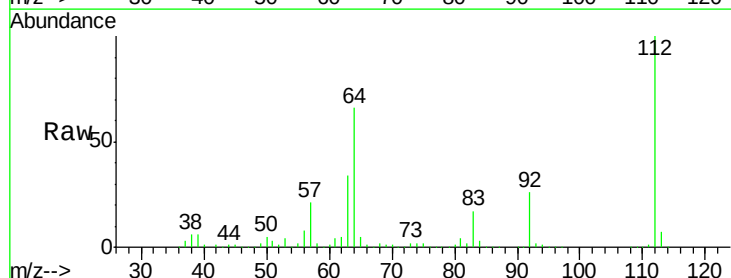
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



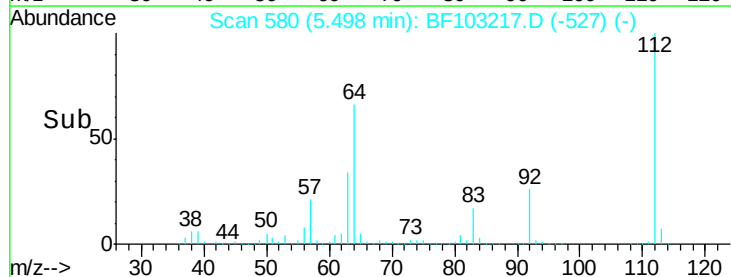
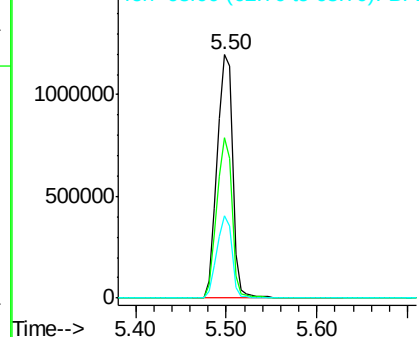
#5

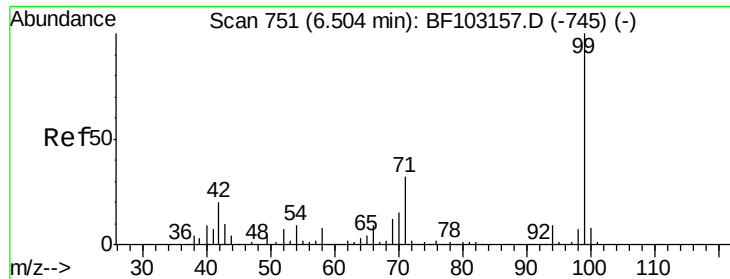
2-Fluorophenol
Concen: 121.339 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103217.D
Acq: 26 Feb 2018 14:33

Tgt Ion:112 Resp: 1448023
Ion Ratio Lower Upper
112 100
64 65.7 47.9 71.9
63 33.7 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: 115.675 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF103217.D

Acq: 26 Feb 2018 14:33

Instrument :

BNA_F

ClientSampleId :

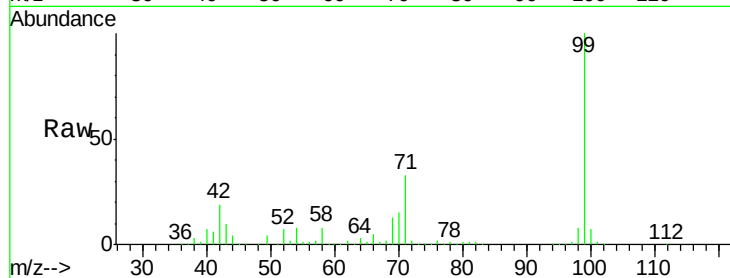
Tot Ion: 99 Resp: 1689151

Ion Ratio Lower Upper

99 100

42 18.8 14.5 21.7

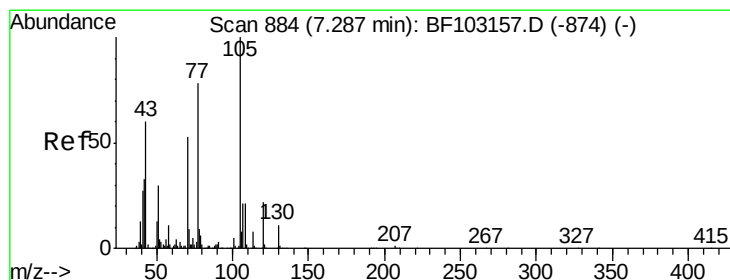
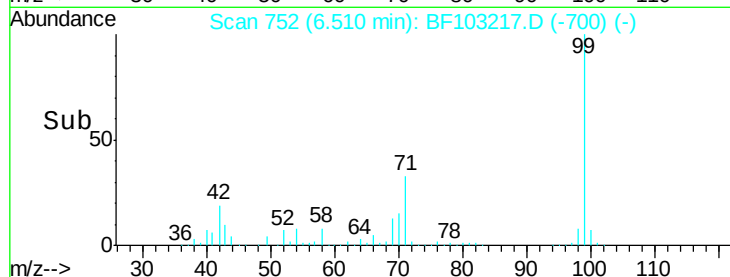
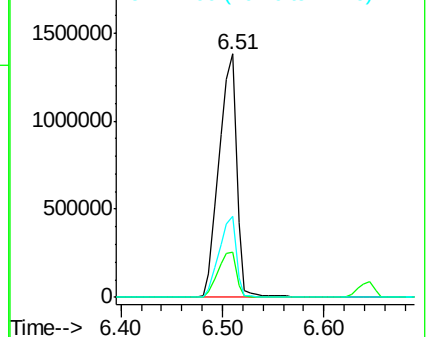
71 33.3 25.4 38.0



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: 16.584 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103217.D

Acq: 26 Feb 2018 14:33

Tgt Ion: 70 Resp: 150720

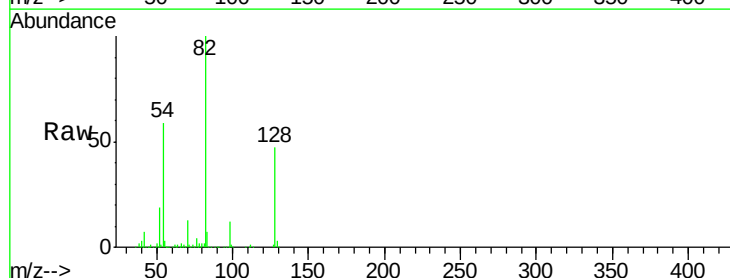
Ion Ratio Lower Upper

70 100

42 49.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

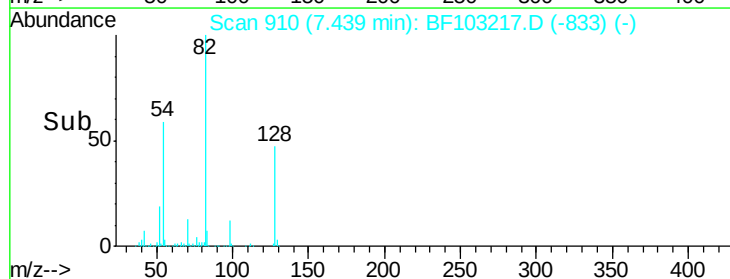
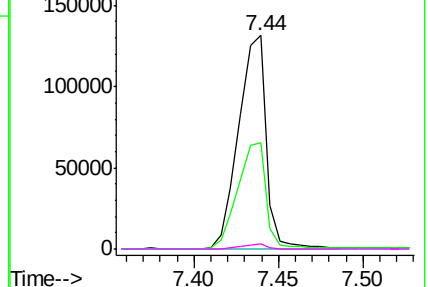


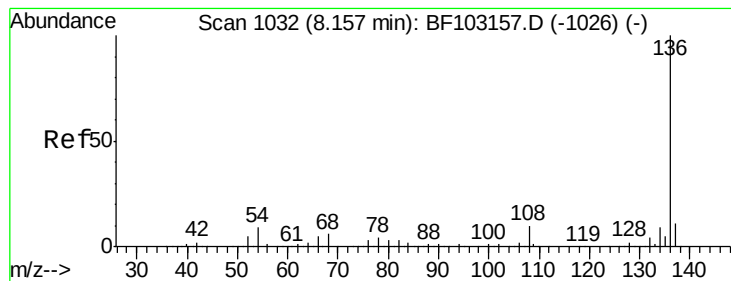
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF103217.D

Acq: 26 Feb 2018 14:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 736114

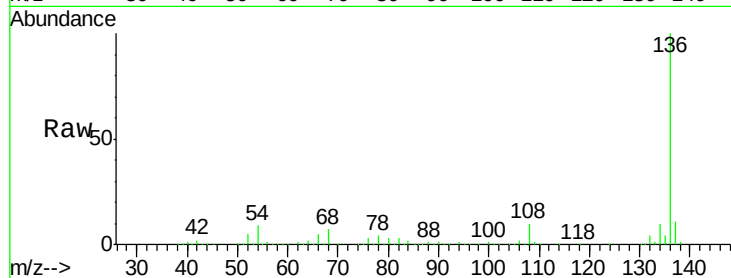
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 9.4 6.6 9.8

68 6.8 5.0 7.4

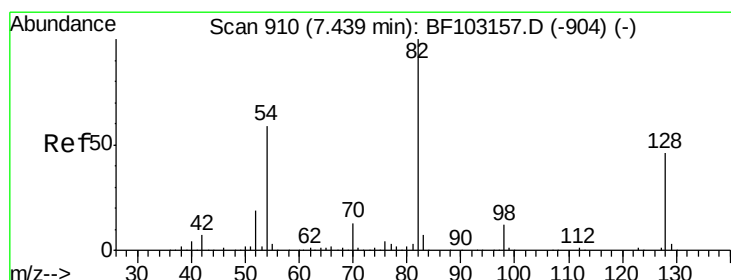
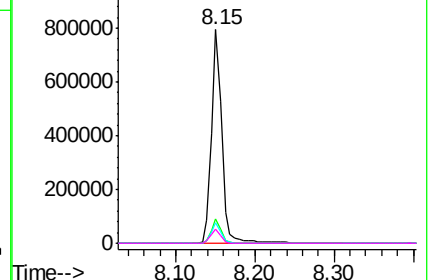
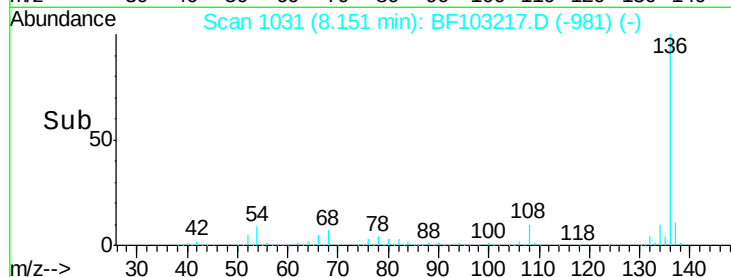


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.524 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.00 min

Lab File: BF103217.D

Acq: 26 Feb 2018 14:33

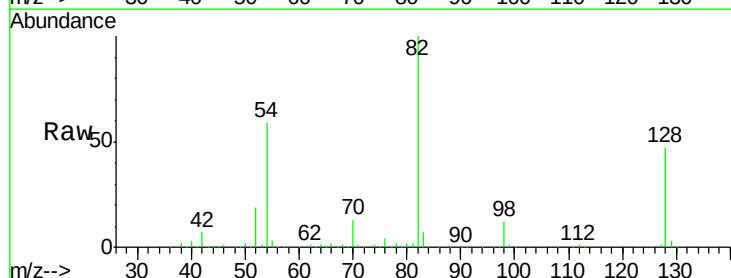
Tgt Ion: 82 Resp: 1128166

Ion Ratio Lower Upper

82 100

128 47.5 36.1 54.1

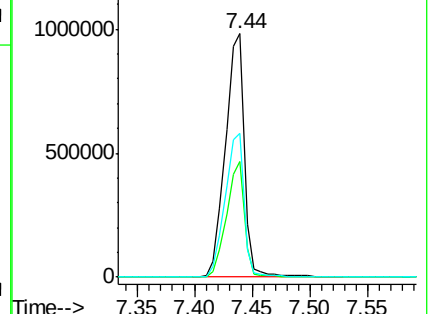
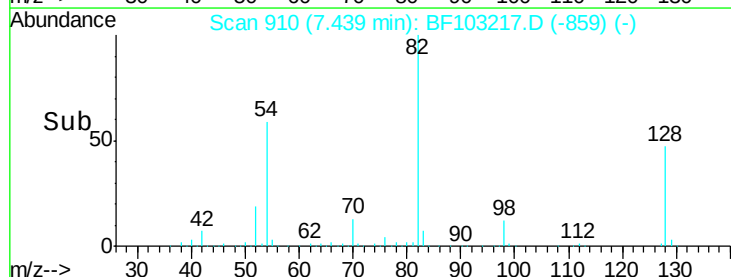
54 59.0 41.4 62.2

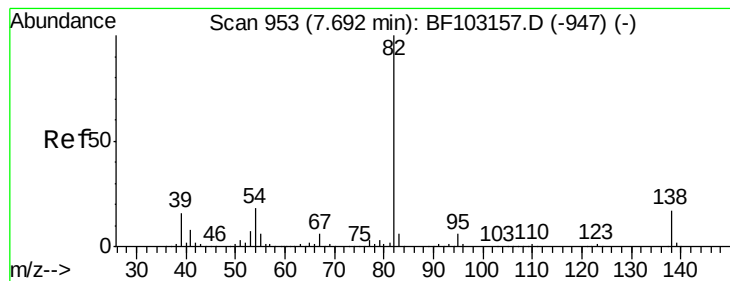


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.439 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.25 min

Lab File: BF103217.D

Acq: 26 Feb 2018 14:33

Instrument :

BNA_F

ClientSampleId :

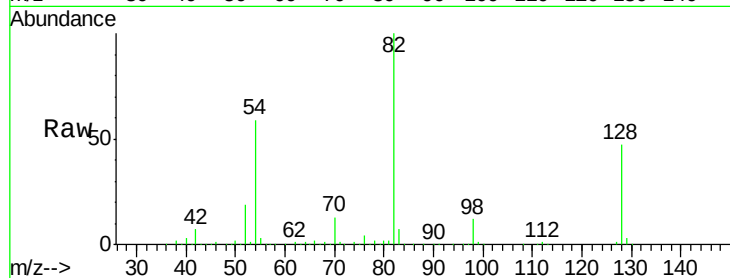
Tot Ion: 82 Resp: 1128152

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

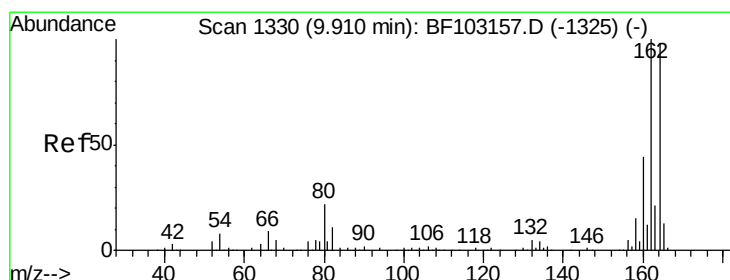
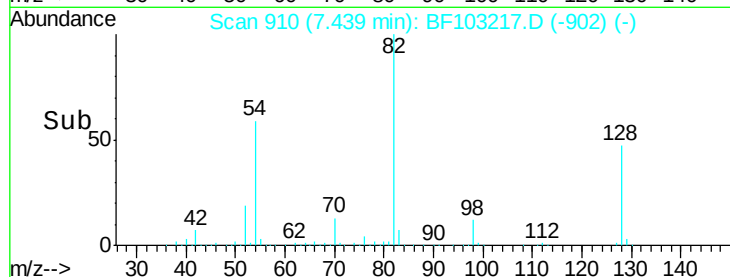
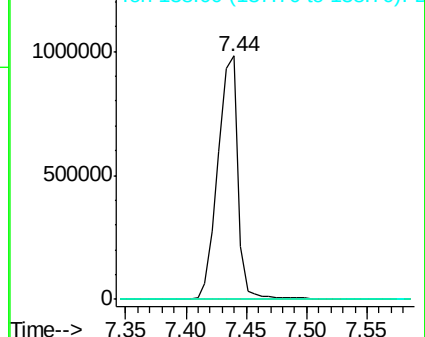
138 0.0 14.9 22.3#



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: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BF103217.D

Acq: 26 Feb 2018 14:33

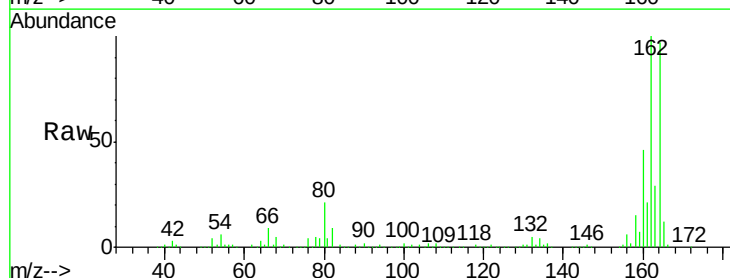
Tgt Ion: 164 Resp: 302602

Ion Ratio Lower Upper

164 100

162 103.1 86.1 129.1

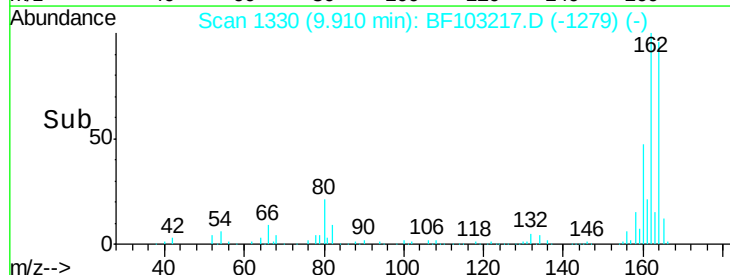
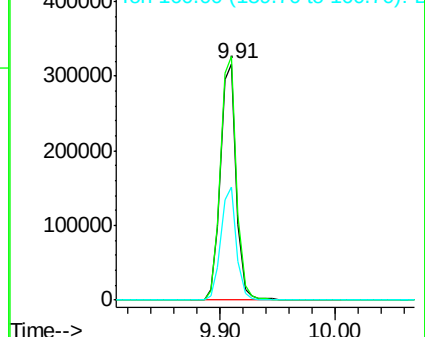
160 47.9 38.3 57.5

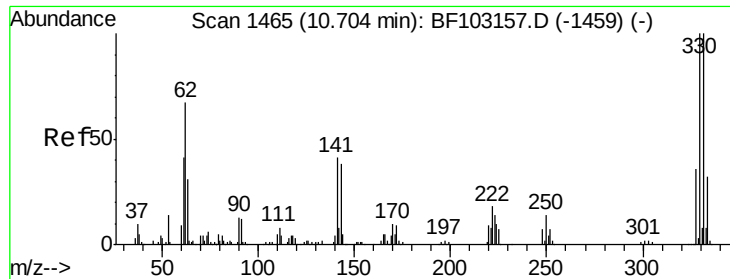


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

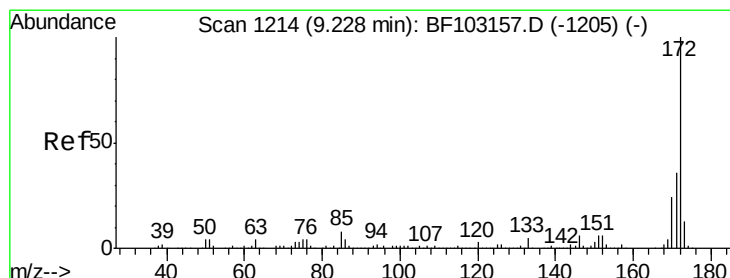
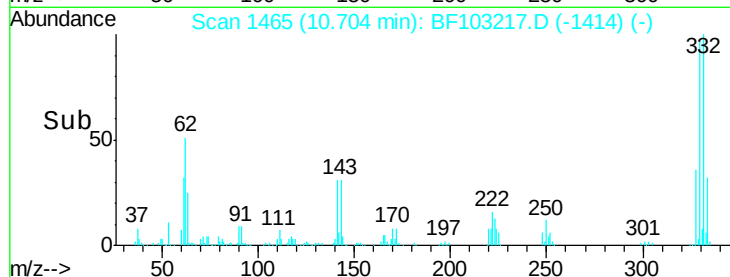
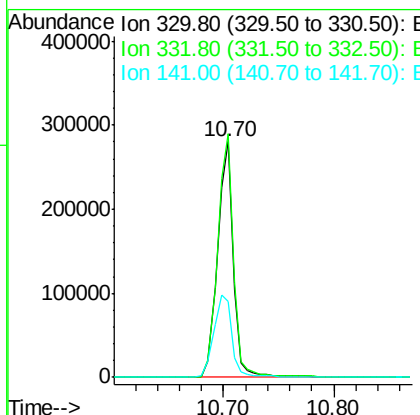
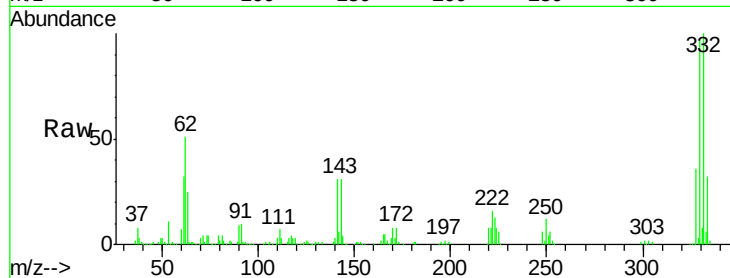




#41
 2,4,6-Tribromophenol
 Concen: 108.914 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: BF103217.D
 Acq: 26 Feb 2018 14:33

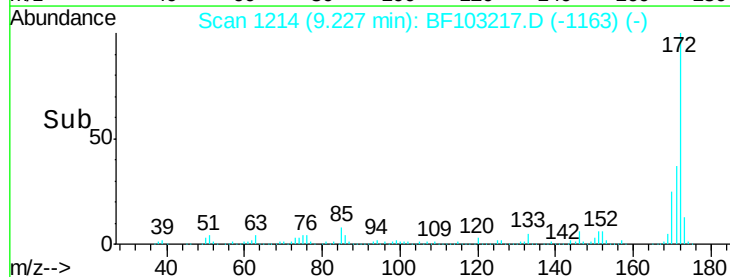
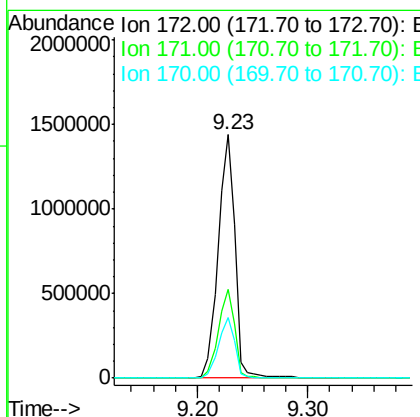
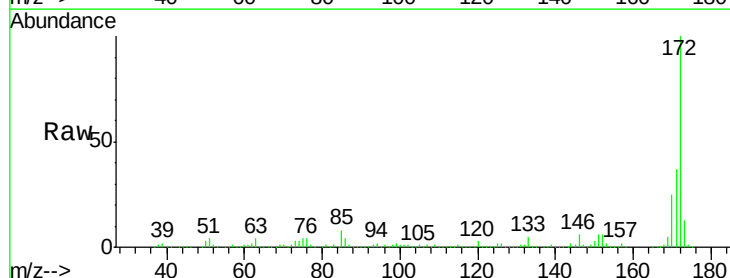
Instrument :
 BNA_F
 ClientSampleId :

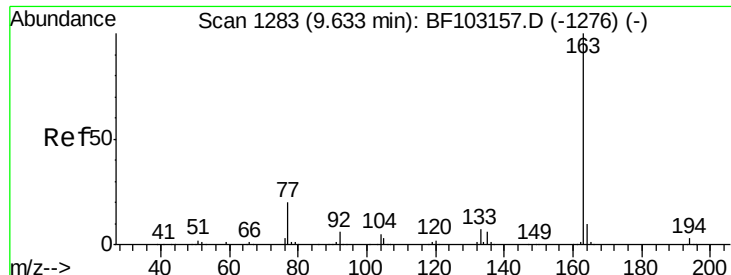
Tot Ion	Ratio	Lower	Upper
330	100		
332	104.1	77.0	115.6
141	40.3	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 87.289 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF103217.D
 Acq: 26 Feb 2018 14:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.7	19.6	29.4





#49

Dimethylphthalate

Concen: 5.148 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.02 min

Lab File: BF103217.D

Acq: 26 Feb 2018 14:33

Instrument :

BNA_F

ClientSampleId :

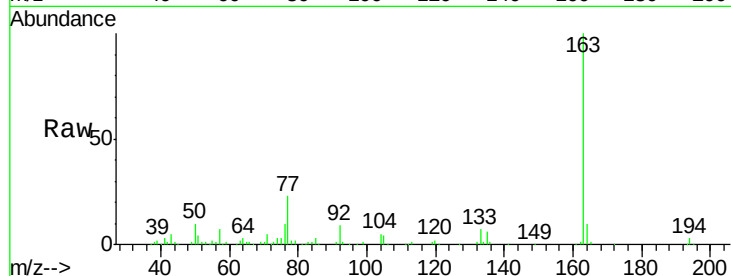
Tot Ion:163 Resp: 124980

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

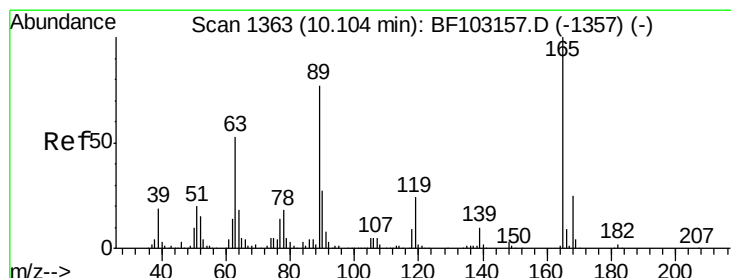
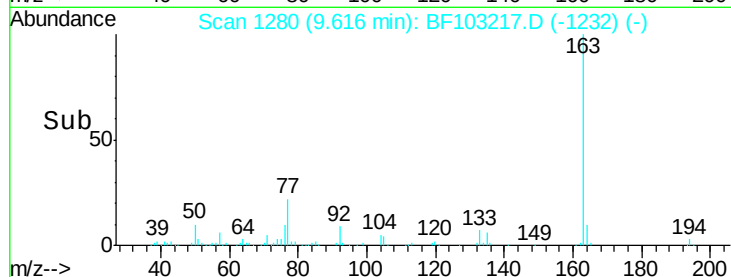
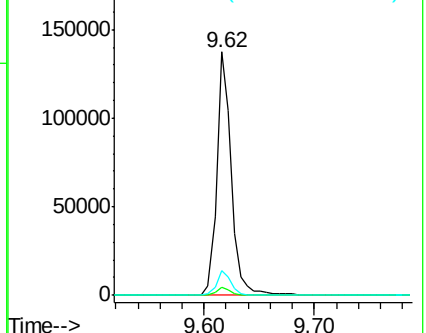
164 10.0 8.2 12.2



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: 6.109 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.19 min

Lab File: BF103217.D

Acq: 26 Feb 2018 14:33

Tgt Ion:165 Resp: 39362

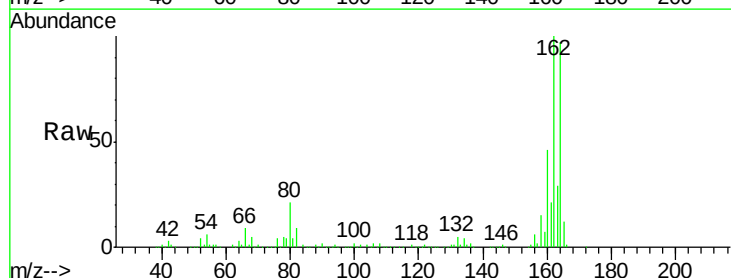
Ion Ratio Lower Upper

165 100

63 2.0 36.4 54.6#

89 1.6 57.8 86.6#

182 0.0 1.6 2.4#

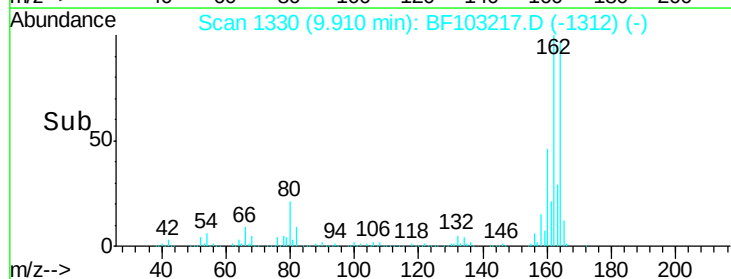
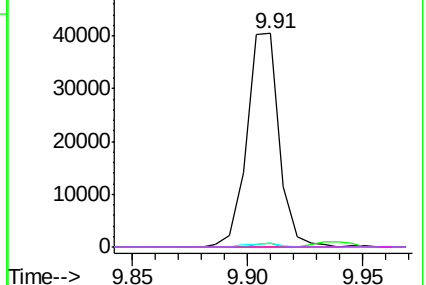


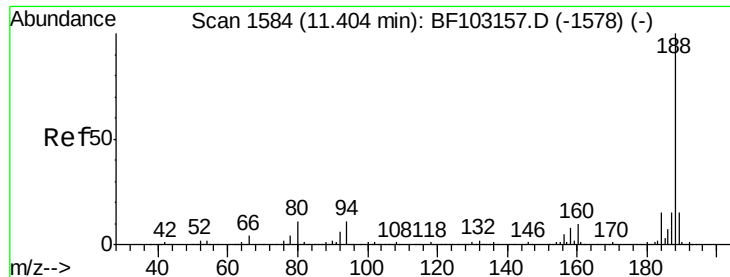
Abundance Ion 165.00 (164.70 to 165.70): E

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

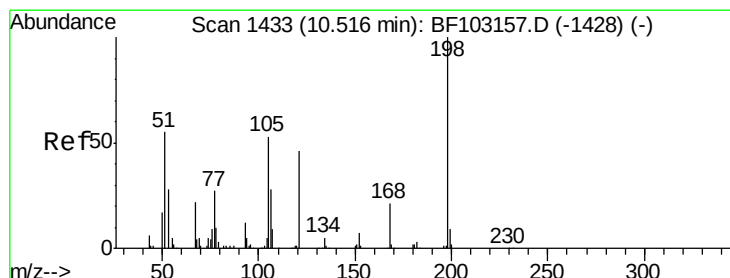
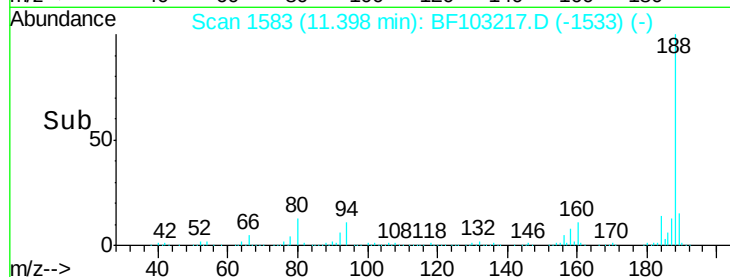
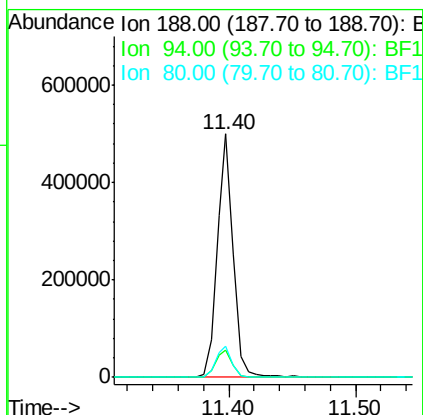
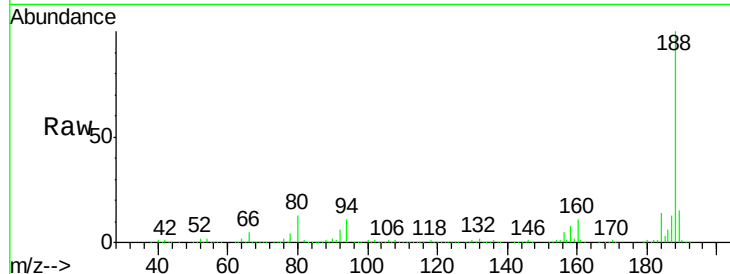




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF103217.D
Acq: 26 Feb 2018 14:33

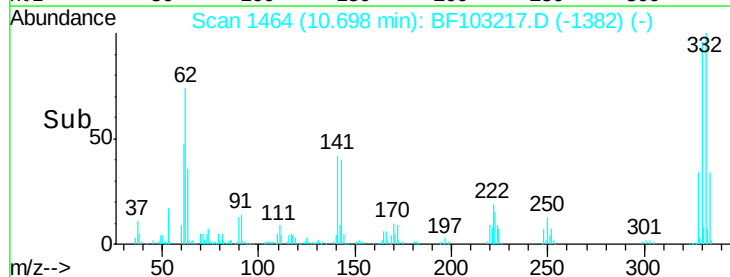
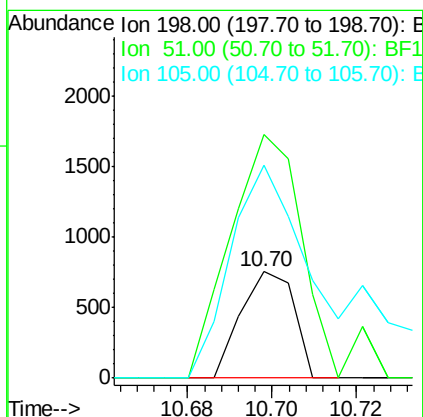
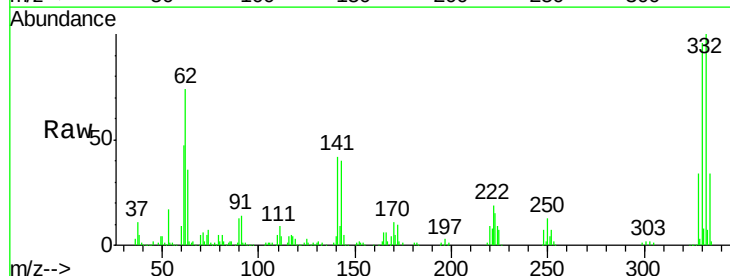
Instrument :
BNA_F
ClientSampleId :

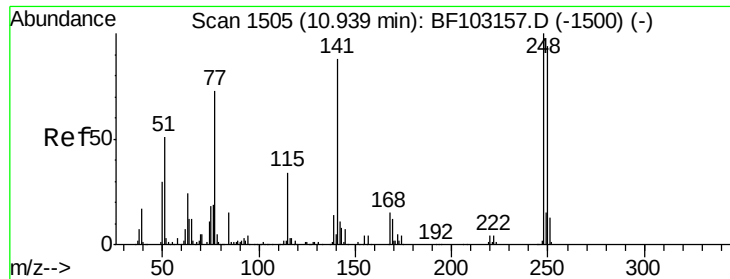
Tot Ion:188 Resp: 441271
Ion Ratio Lower Upper
188 100
94 11.3 8.5 12.7
80 12.6 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.165 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.18 min
Lab File: BF103217.D
Acq: 26 Feb 2018 14:33

Tgt Ion:198 Resp: 657
Ion Ratio Lower Upper
198 100
51 229.7 37.7 77.7#
105 201.1 36.3 76.3#

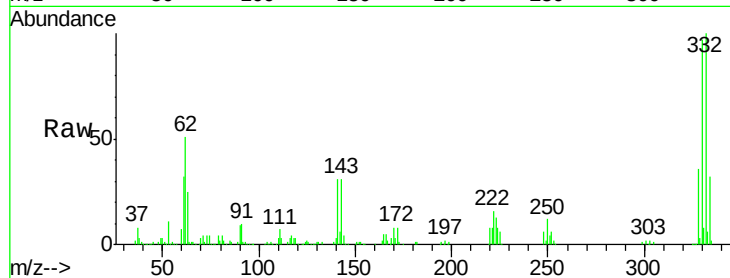




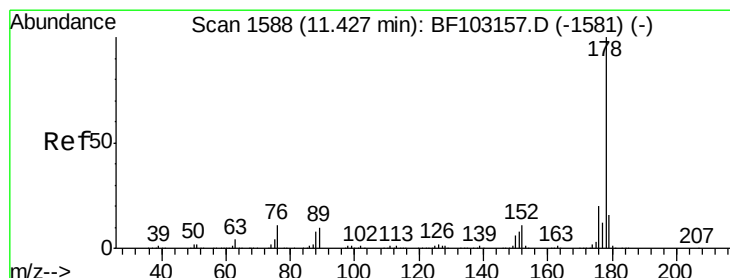
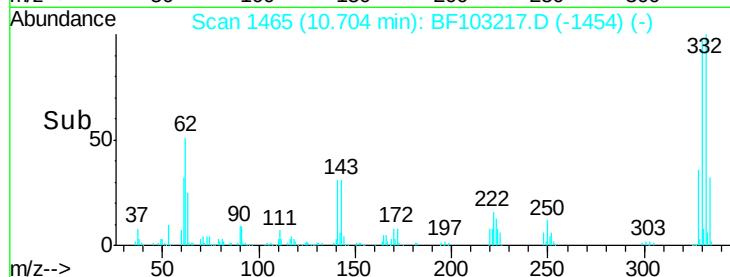
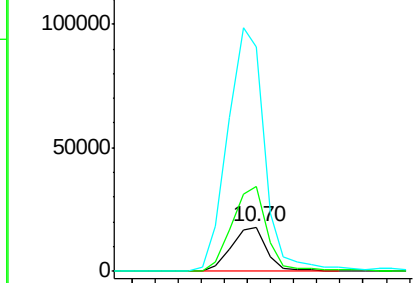
#66
4-Bromophenyl-phenylether
Concen: 4.085 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.24 min
Lab File: BF103217.D
Acq: 26 Feb 2018 14:33

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 18779
Ion Ratio Lower Upper
248 100
250 192.6 76.9 115.3#
141 510.5 74.4 111.6#

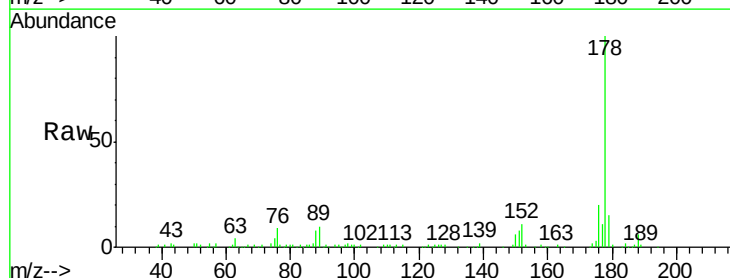


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

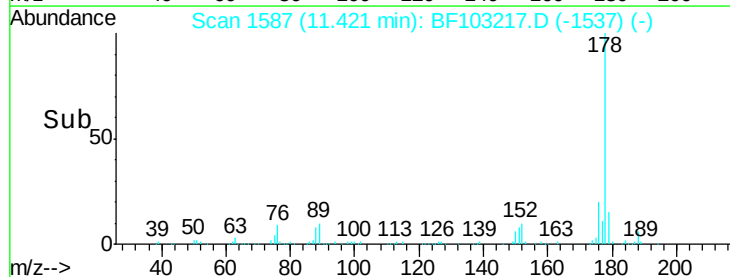
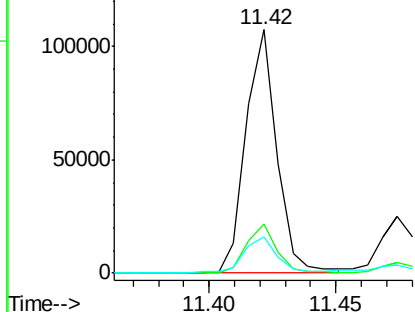


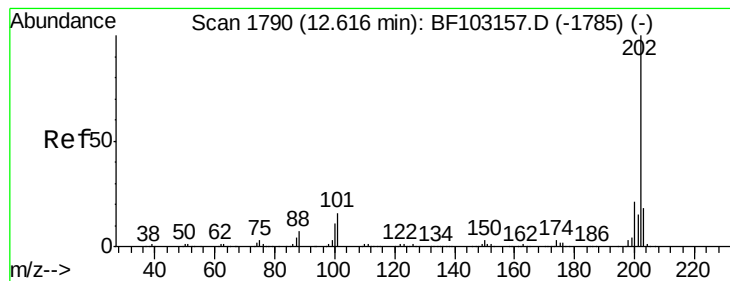
#70
Phenanthrene
Concen: 3.777 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF103217.D
Acq: 26 Feb 2018 14:33

Tgt Ion:178 Resp: 91722
Ion Ratio Lower Upper
178 100
176 20.0 15.8 23.8
179 14.8 13.0 19.6



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





#74

Fluoranthene

Concen: 7.799 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF103217.D

Acq: 26 Feb 2018 14:33

Instrument :

BNA_F

ClientSampled :

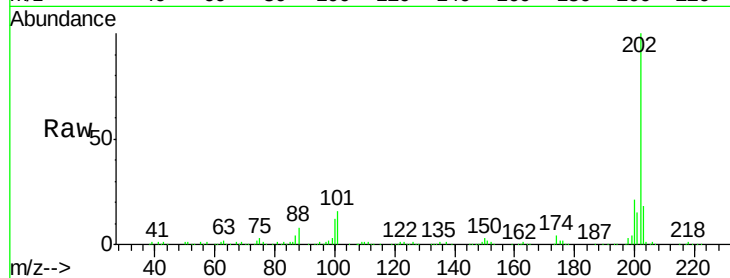
Tot Ion:202 Resp: 190310

Ion Ratio Lower Upper

202 100

101 16.2 0.0 34.1

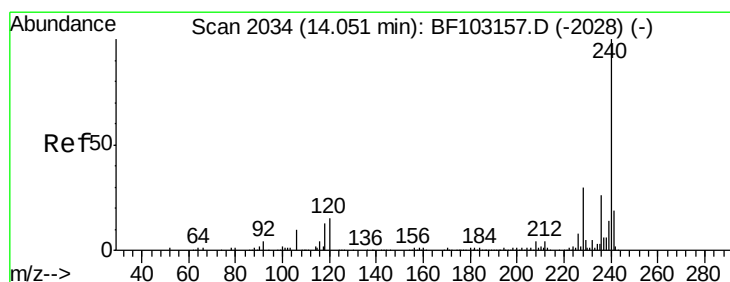
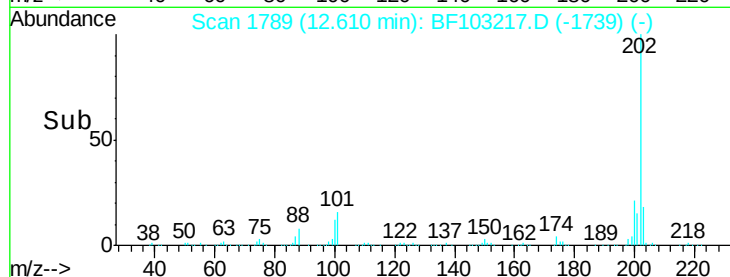
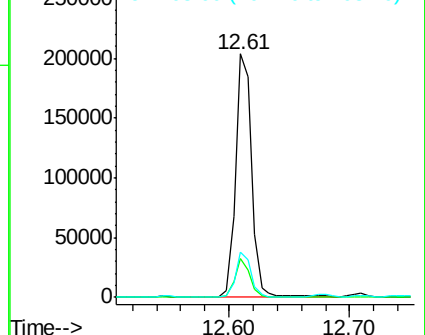
203 18.3 0.0 38.1



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: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF103217.D

Acq: 26 Feb 2018 14:33

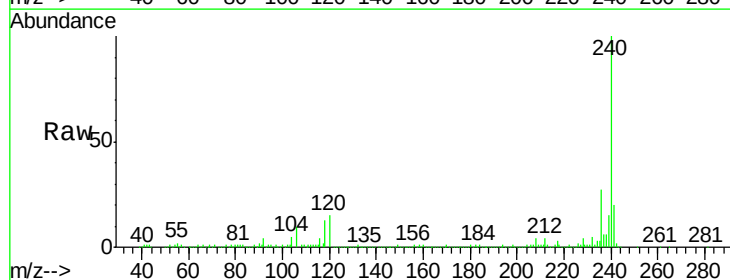
Tgt Ion:240 Resp: 323044

Ion Ratio Lower Upper

240 100

120 15.2 9.5 14.3#

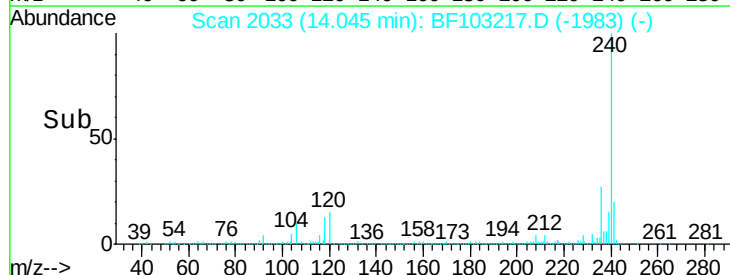
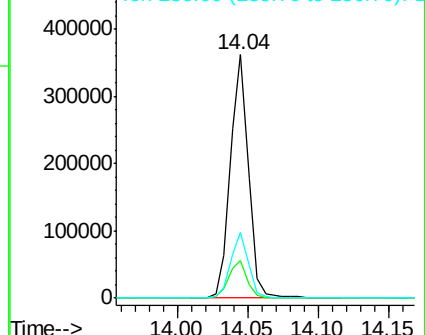
236 26.8 20.7 31.1

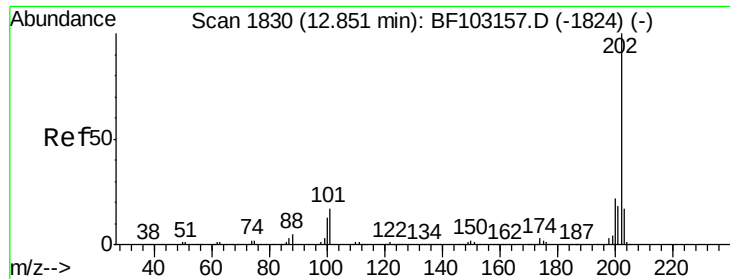


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

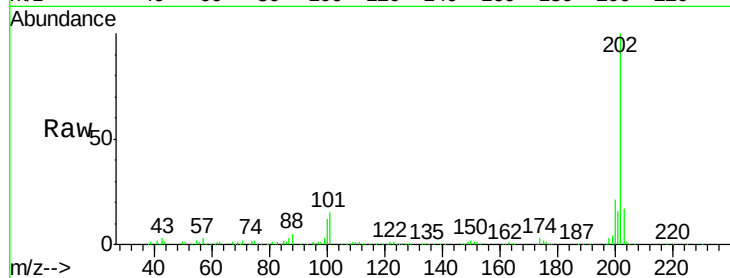




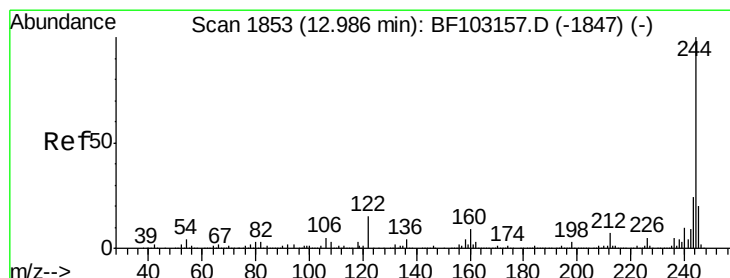
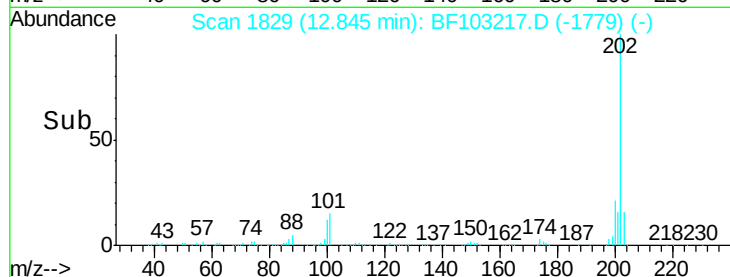
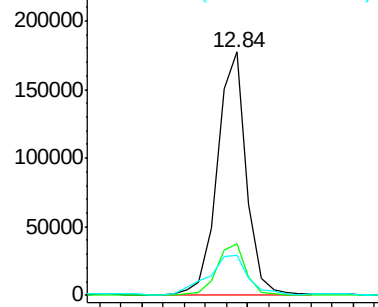
#77
Pvrene
Concen: 6.717 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF103217.D
Acq: 26 Feb 2018 14:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 169188
Ion Ratio Lower Upper
202 100
200 21.1 17.4 26.2
203 16.5 14.3 21.5

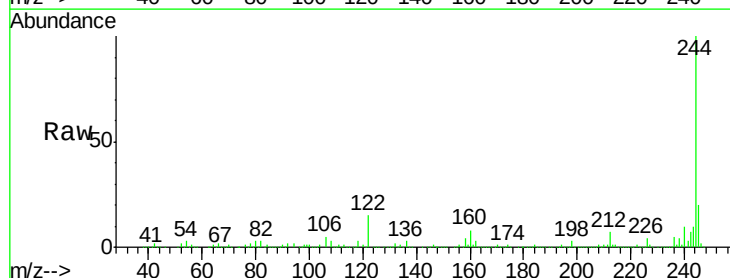


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

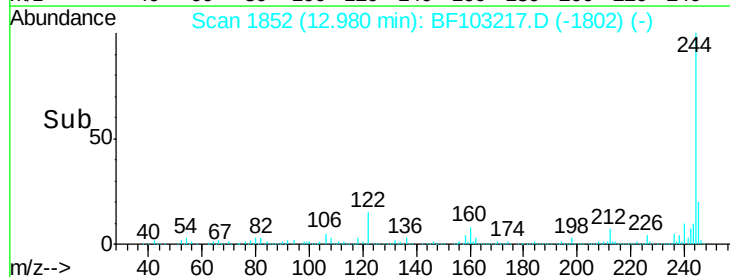
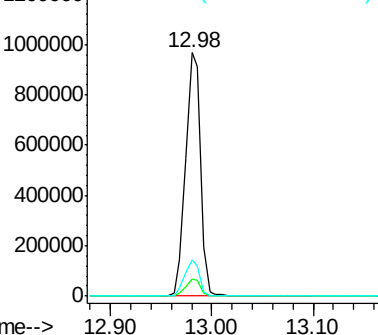


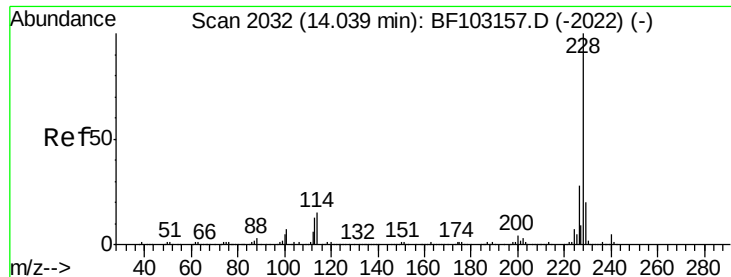
#78
Terphenyl-d14
Concen: 74.192 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BF103217.D
Acq: 26 Feb 2018 14:33

Tgt Ion:244 Resp: 997029
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.0
122 15.2 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.048 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF103217.D

Acq: 26 Feb 2018 14:33

Instrument :

BNA_F

ClientSampled :

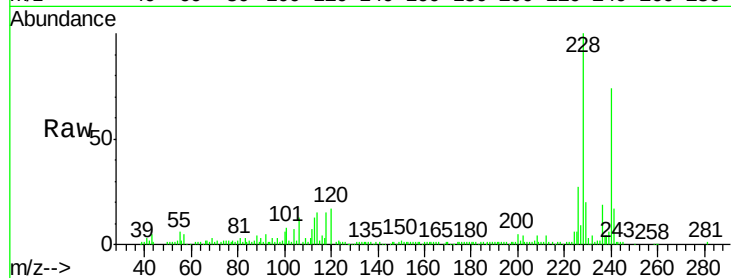
Tot Ion:228 Resp: 84852

Ion Ratio Lower Upper

228 100

226 26.9 22.6 33.8

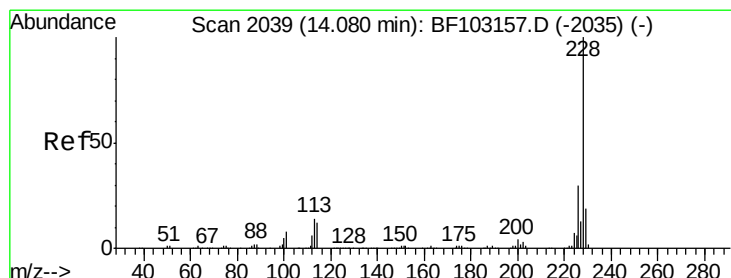
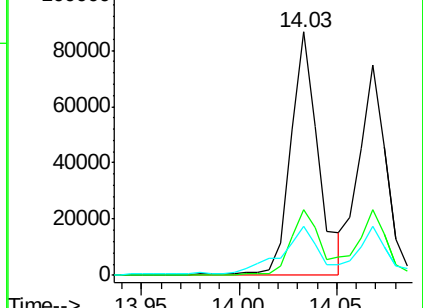
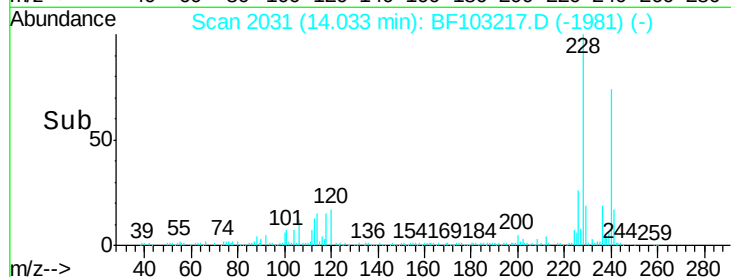
229 20.2 15.8 23.6



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: 3.600 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF103217.D

Acq: 26 Feb 2018 14:33

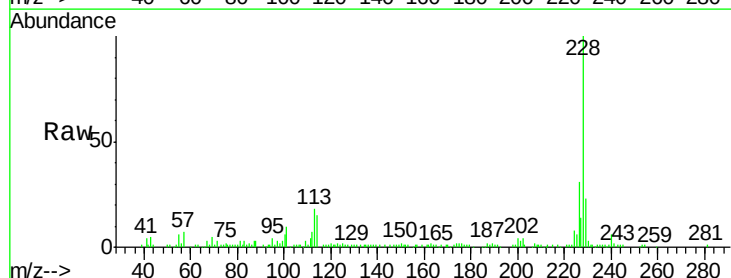
Tgt Ion:228 Resp: 73276

Ion Ratio Lower Upper

228 100

226 31.4 25.0 37.6

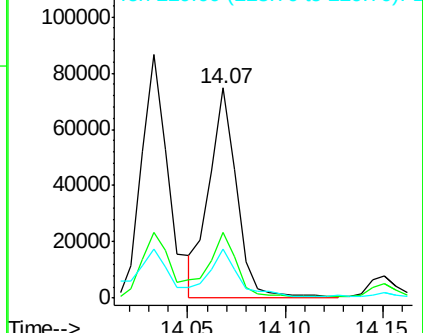
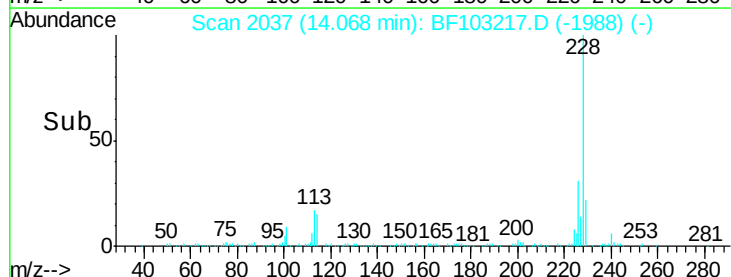
229 23.1 16.2 24.4

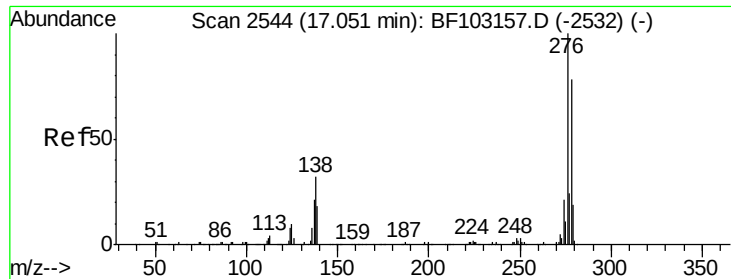


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.222 ng

RT: 17.04 min Scan# 2543

Delta R.T. -0.01 min

Lab File: BF103217.D

Acq: 26 Feb 2018 14:33

Instrument :

BNA_F

ClientSampleId :

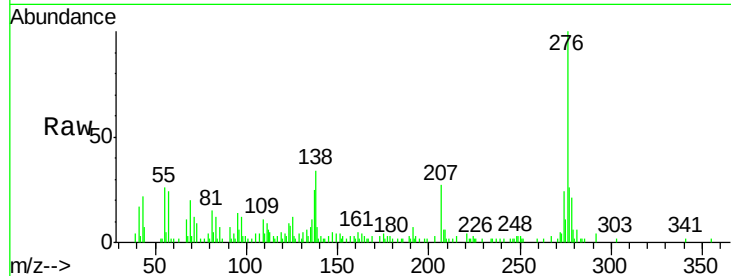
Tot Ion:276 Resp: 35800

Ion Ratio Lower Upper

276 100

138 31.1 25.0 37.6

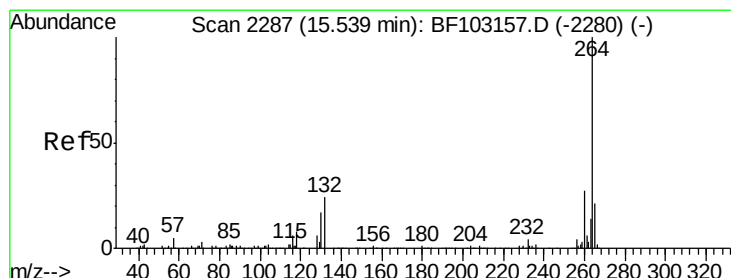
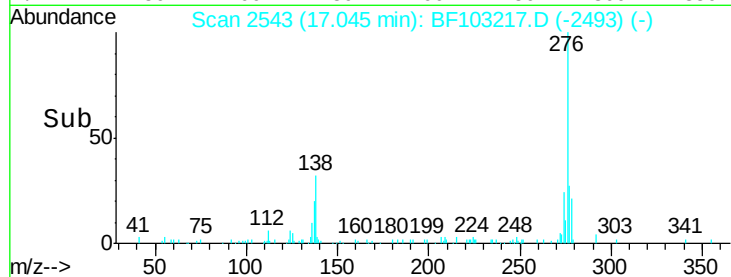
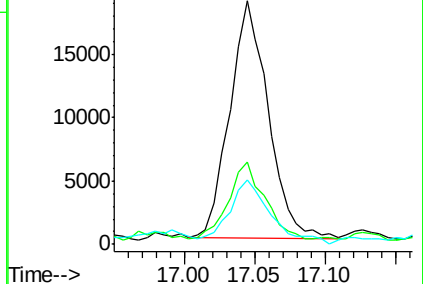
277 29.5 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2287

Delta R.T. -0.00 min

Lab File: BF103217.D

Acq: 26 Feb 2018 14:33

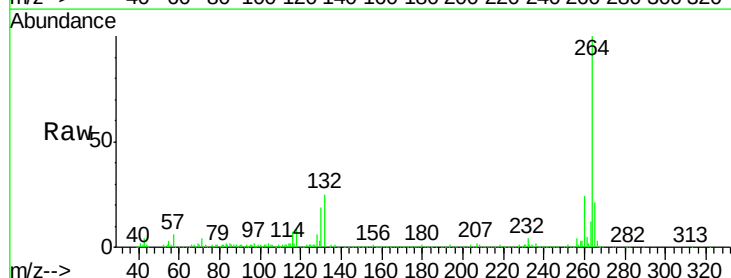
Tgt Ion:264 Resp: 333124

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

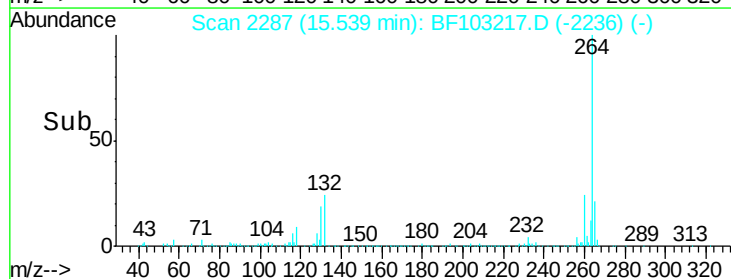
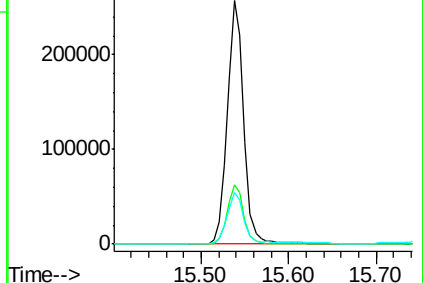
265 21.2 17.5 26.3

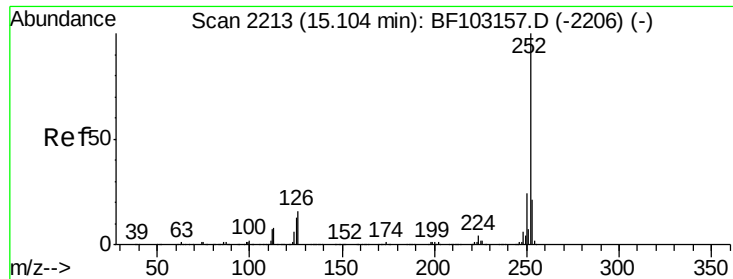


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

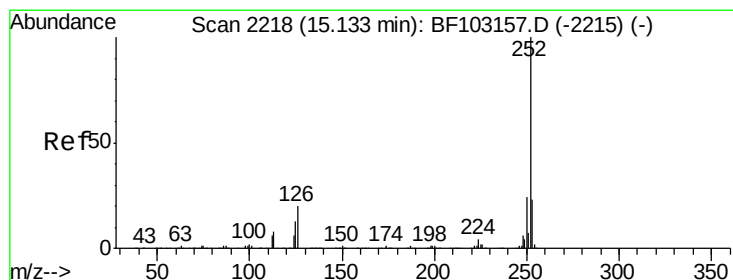
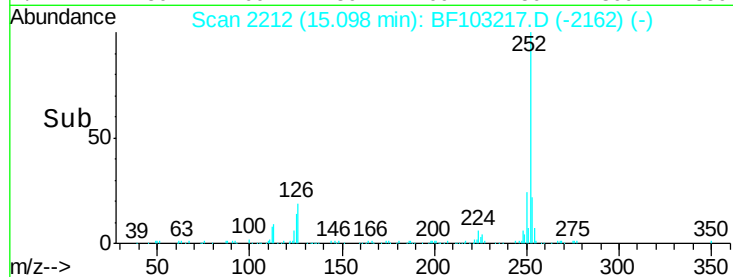
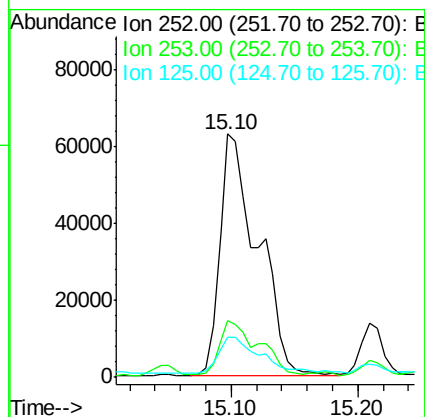
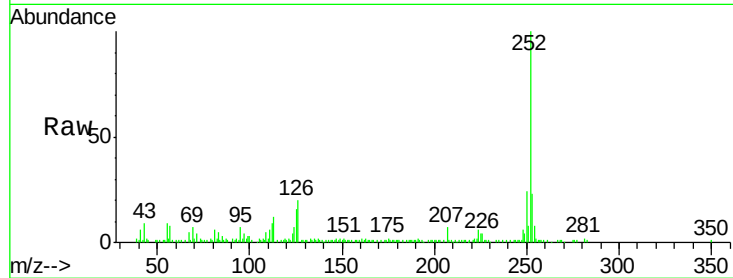




#87
Benzo(b)fluoranthene
Concen: 6.014 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF103217.D
Acq: 26 Feb 2018 14:33

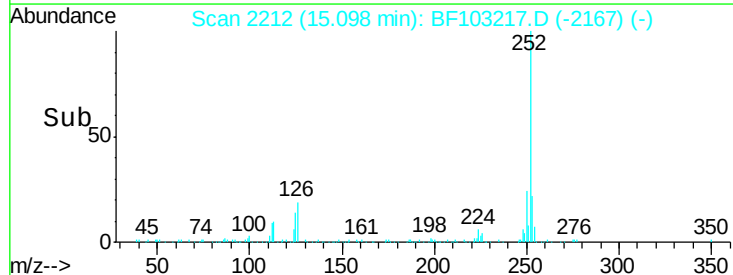
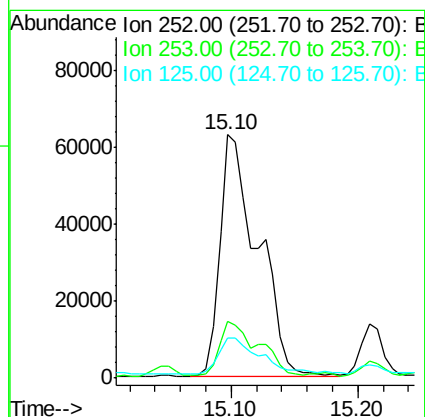
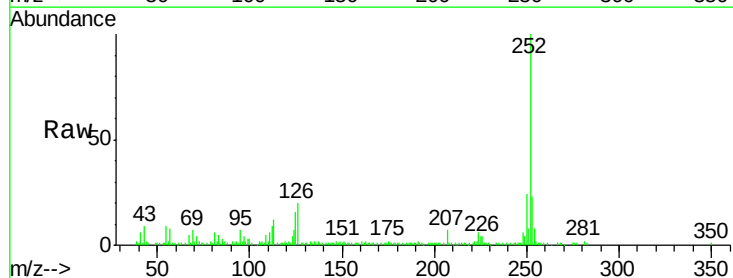
Instrument :
BNA_F
ClientSampleId :

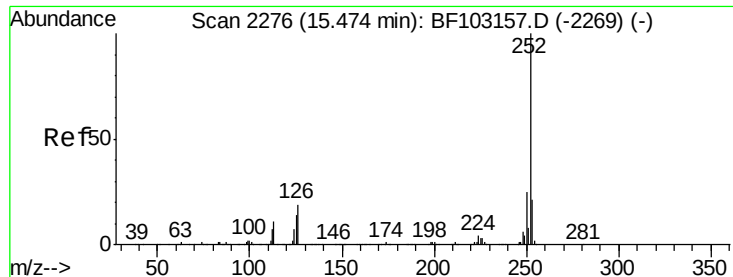
Tot Ion:252 Resp: 131714
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.6
125 16.4 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 6.386 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.04 min
Lab File: BF103217.D
Acq: 26 Feb 2018 14:33

Tgt Ion:252 Resp: 131714
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 16.4 10.2 15.2#

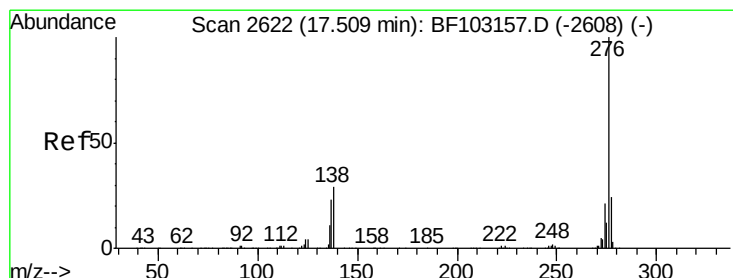
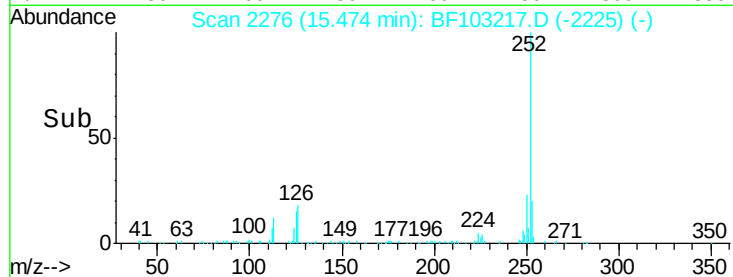
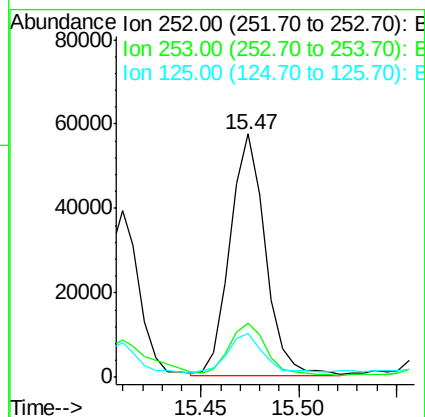
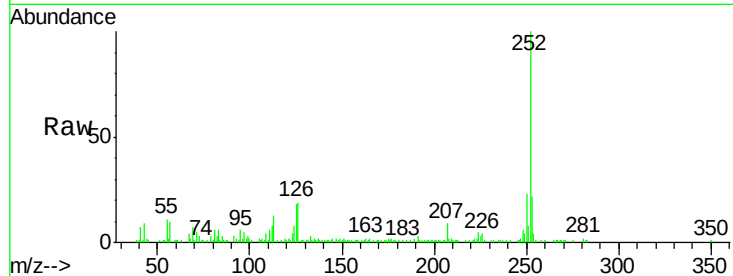




#89
Benzo(a)pyrene
Concen: 3.700 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BF103217.D
Acq: 26 Feb 2018 14:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 72359
Ion Ratio Lower Upper
252 100
253 22.3 17.1 25.7
125 17.8 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 2.373 ng
RT: 17.51 min Scan# 2622
Delta R.T. -0.00 min
Lab File: BF103217.D
Acq: 26 Feb 2018 14:33

Tgt Ion:276 Resp: 35047
Ion Ratio Lower Upper
276 100
277 24.6 17.9 26.9
138 29.4 21.8 32.8

