

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030218\
 Data File : BF103380.D
 Acq On : 2 Mar 2018 21:55
 Operator : SJ/JU
 Sample : J1721-13RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-46

Quant Time: Mar 02 23:11:38 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	149634	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	614626	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	229419	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	330487	20.00	ng	0.00
75) Chrysene-d12	14.06	240	234270	20.00	ng	0.00
86) Perylene-d12	15.57	264	180128	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	901411	91.11	ng	0.00
7) Phenol-d6	6.52	99	1072786	88.61	ng	0.00
23) Nitrobenzene-d5	7.44	82	706026	65.60	ng	-0.01
41) 2,4,6-Tribromophenol	10.72	330	148665	76.56	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	948020	67.79	ng	0.00
78) Terphenyl-d14	13.00	244	616777	63.29	ng	0.00

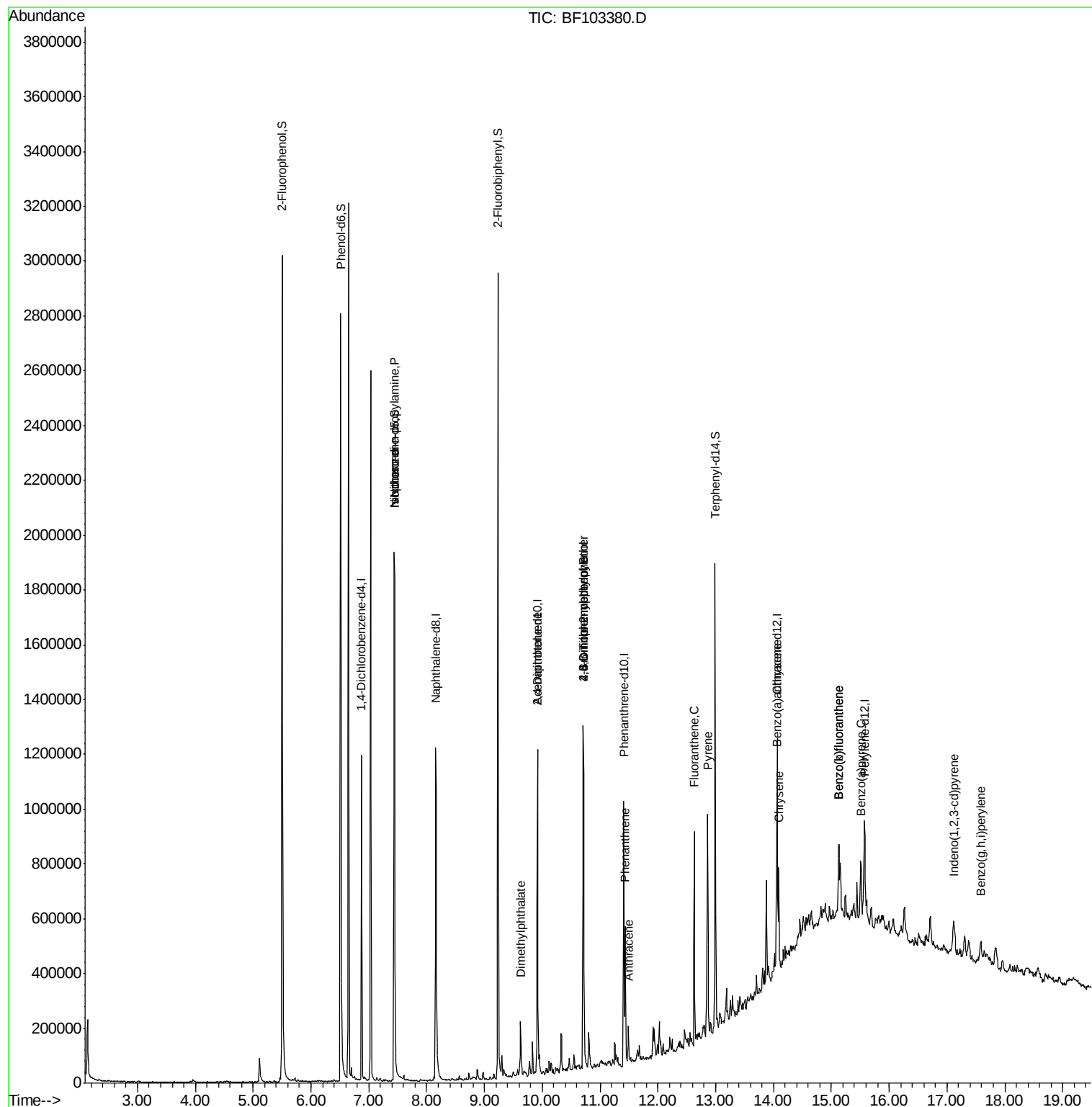
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.44	70	92886	12.328	ng	# 84
25) Isophorone	7.44	82	706068	33.310	ng	# 64
49) Dimethylphthalate	9.63	163	84245	4.577	ng	99
56) 2,4-Dinitrotoluene	9.92	165	31185	6.384	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.71	198	340	5.097	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	9962	2.894	ng	# 1
70) Phenanthrene	11.43	178	167353	9.201	ng	99
71) Anthracene	11.49	178	58144	3.118	ng	98
74) Fluoranthene	12.63	202	304551	16.663	ng	98
77) Pyrene	12.86	202	321259	17.589	ng	100
80) Benzo(a)anthracene	14.05	228	162412	10.685	ng	99
82) Chrysene	14.09	228	155429	10.531	ng	98
85) Indeno(1,2,3-cd)pyrene	17.12	276	53558	4.584	ng	99
87) Benzo(b)fluoranthene	15.13	252	214825	18.139	ng	# 90
88) Benzo(k)fluoranthene	15.13	252	214825	19.263	ng	# 93
89) Benzo(a)pyrene	15.51	252	107290	10.145	ng	# 90
91) Benzo(a,h,i)perylene	17.59	276	54952	6.880	ng	# 91

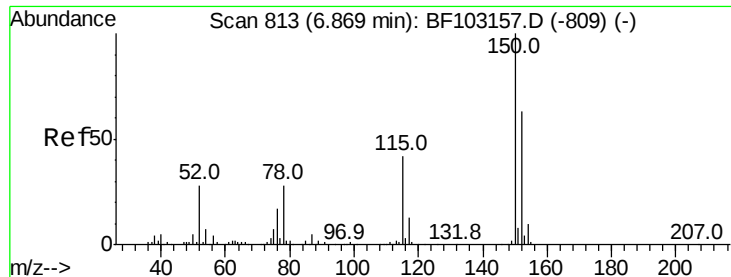
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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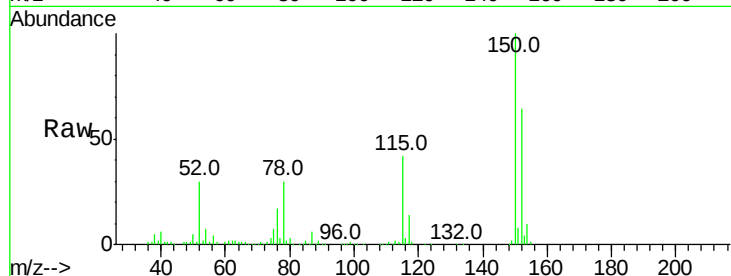


#1

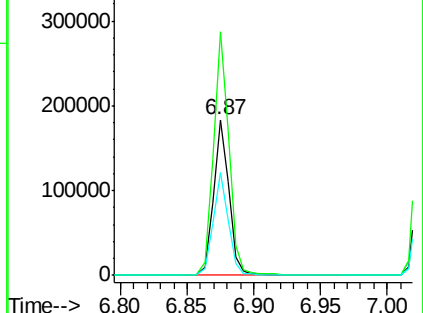
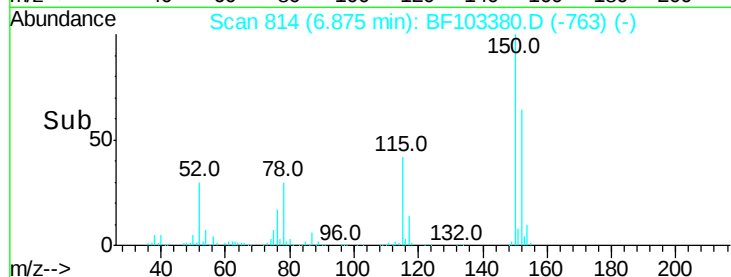
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF103380.D
Acq: 2 Mar 2018 21:55

Instrument :
BNA_F
ClientSampleId :
SP-46

Tot Ion:152 Resp: 149634
Ion Ratio Lower Upper
152 100
150 156.2 124.6 186.8
115 66.2 50.1 75.1



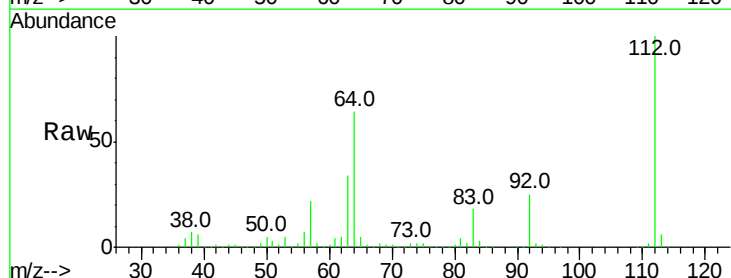
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



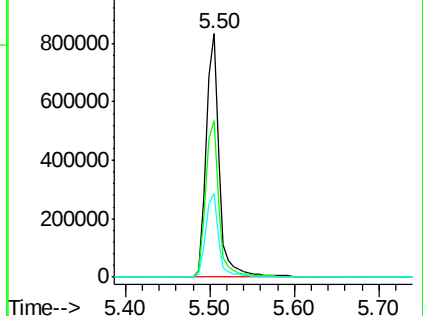
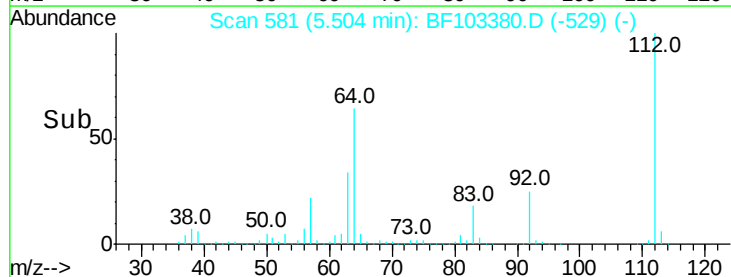
#5

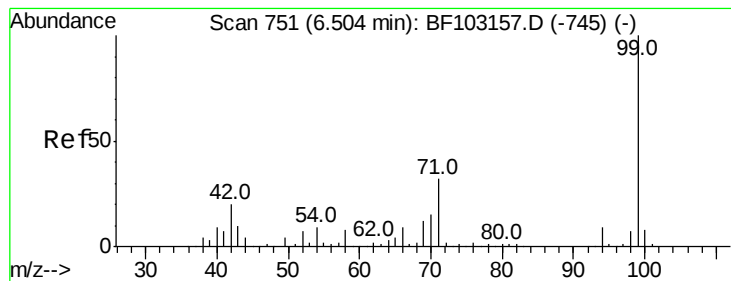
2-Fluorophenol
Concen: 91.110 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103380.D
Acq: 2 Mar 2018 21:55

Tgt Ion:112 Resp: 901411
Ion Ratio Lower Upper
112 100
64 64.5 47.9 71.9
63 34.4 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: 88.614 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF103380.D

Acq: 2 Mar 2018 21:55

Instrument :

BNA_F

ClientSampleId :

SP-46

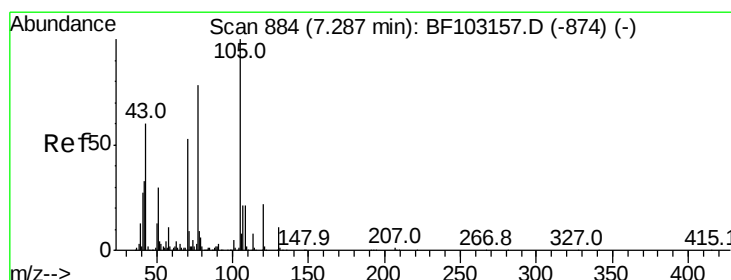
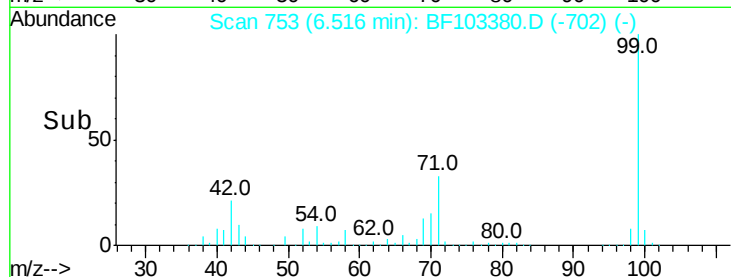
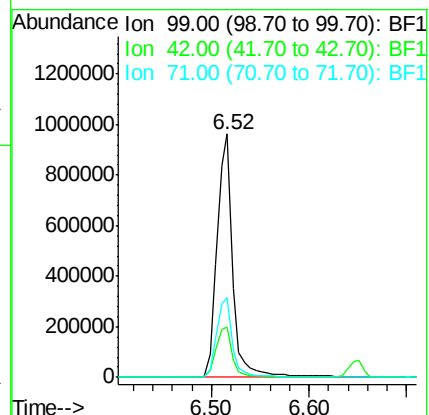
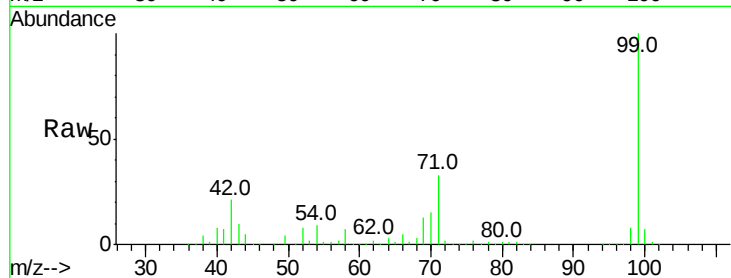
Tot Ion: 99 Resp: 1072786

Ion Ratio Lower Upper

99 100

42 20.5 14.5 21.7

71 33.0 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.328 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103380.D

Acq: 2 Mar 2018 21:55

Tgt Ion: 70 Resp: 92886

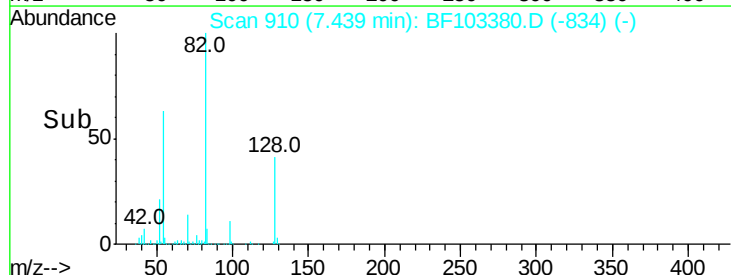
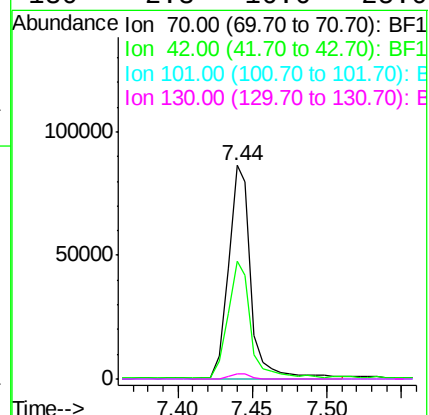
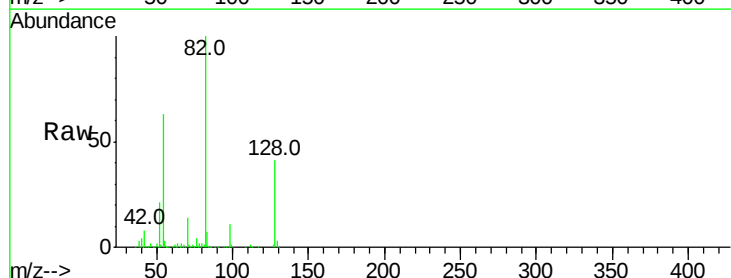
Ion Ratio Lower Upper

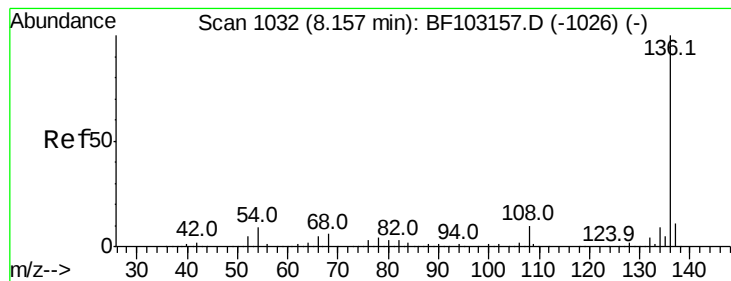
70 100

42 55.0 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF103380.D

Acq: 2 Mar 2018 21:55

Instrument :

BNA_F

ClientSampleId :

SP-46

Tot Ion:136 Resp: 614626

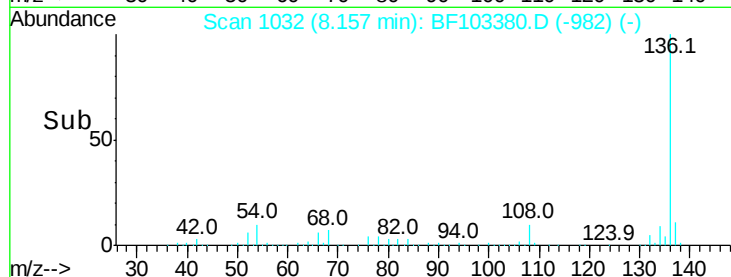
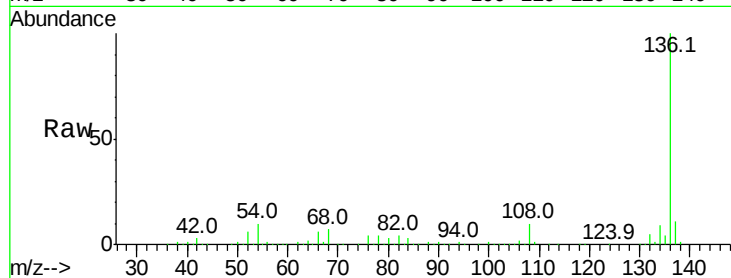
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 10.0 6.6 9.8#

68 7.0 5.0 7.4

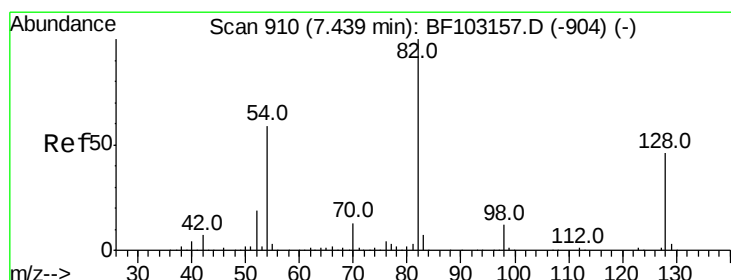
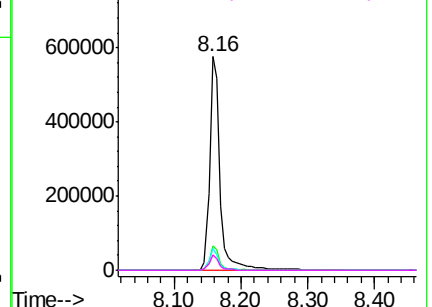


Abundance Ion 136.00 (135.70 to 136.70): E

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: 65.601 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF103380.D

Acq: 2 Mar 2018 21:55

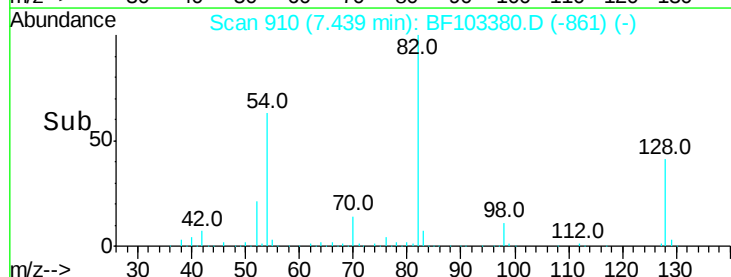
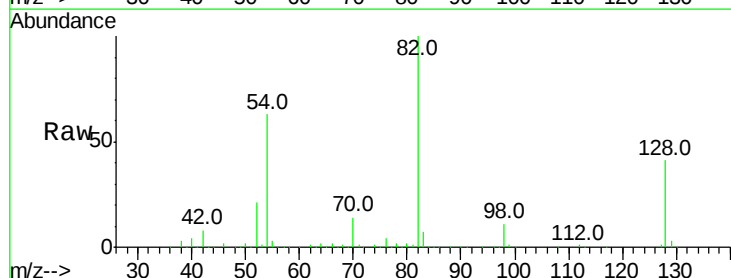
Tgt Ion: 82 Resp: 706026

Ion Ratio Lower Upper

82 100

128 41.5 36.1 54.1

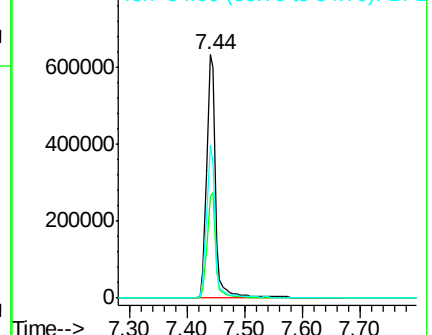
54 62.7 41.4 62.2#

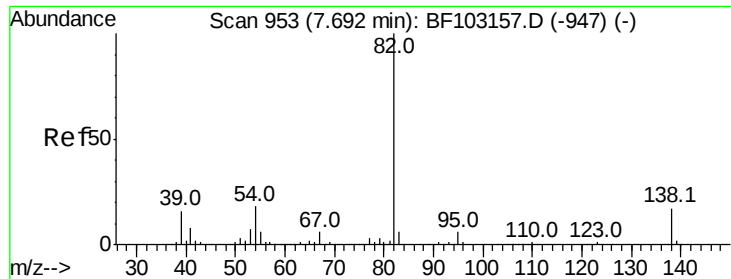


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

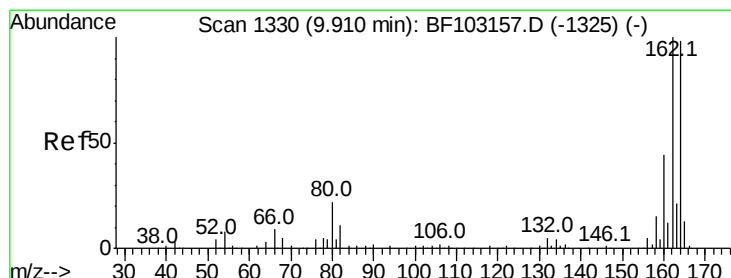
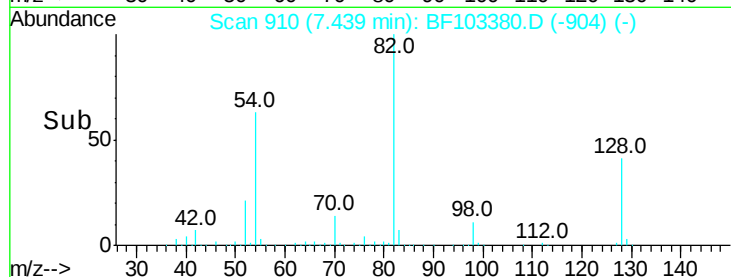
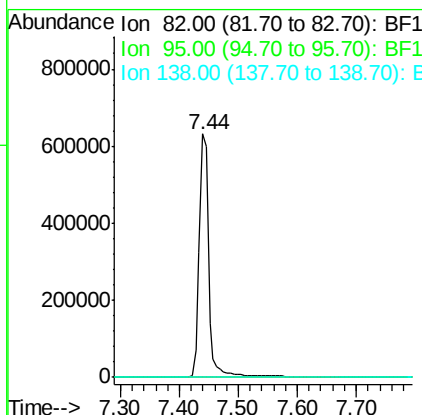
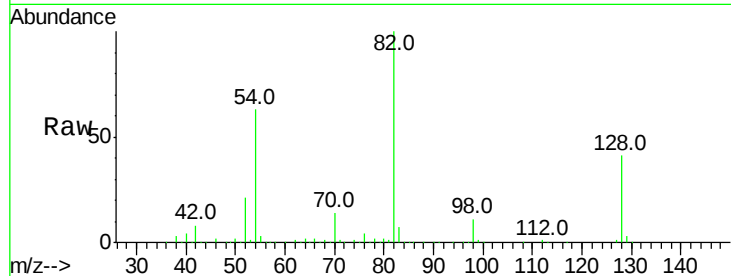




#25
Isophorone
Concen: 33.310 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.26 min
Lab File: BF103380.D
Acq: 2 Mar 2018 21:55

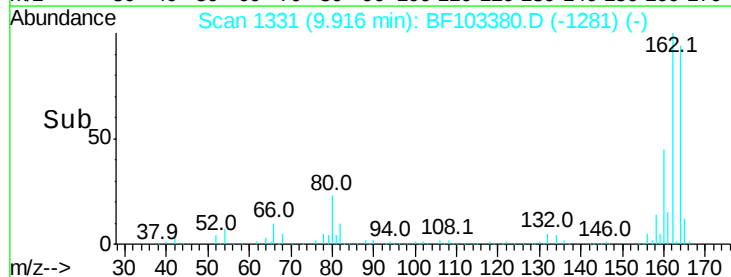
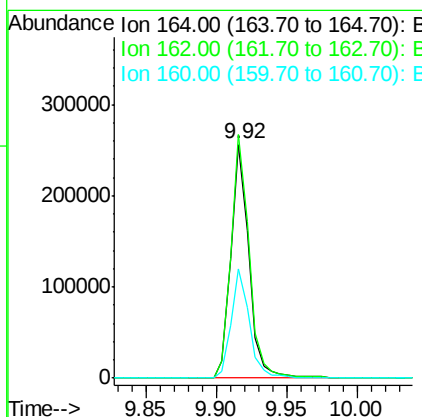
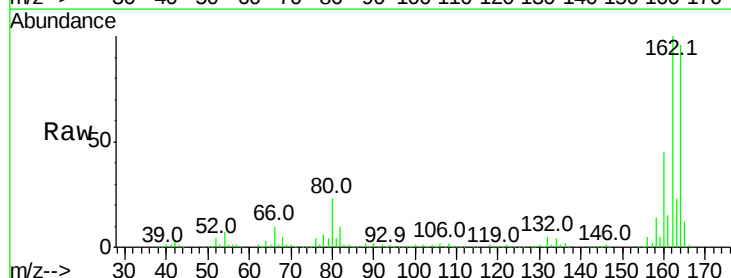
Instrument :
BNA_F
ClientSampleId :
SP-46

Tot Ion: 82 Resp: 706068
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF103380.D
Acq: 2 Mar 2018 21:55

Tgt Ion:164 Resp: 229419
Ion Ratio Lower Upper
164 100
162 104.2 86.1 129.1
160 46.7 38.3 57.5

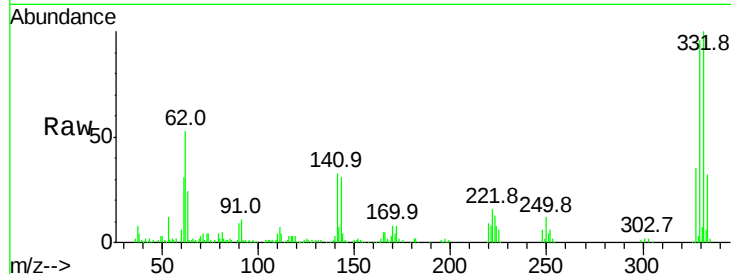




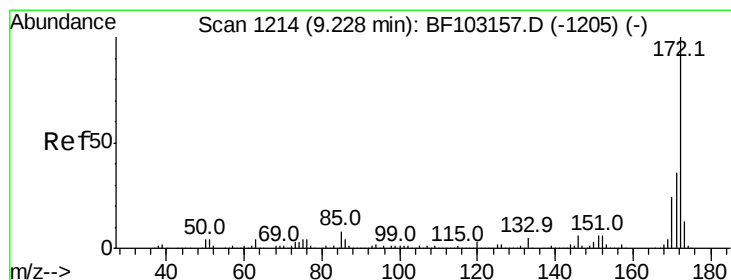
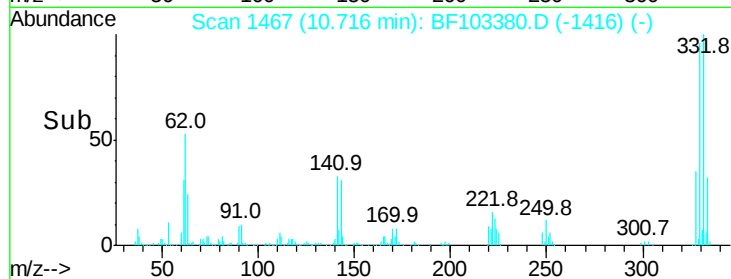
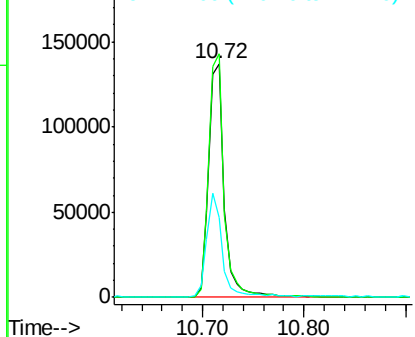
#41
 2,4,6-Tribromophenol
 Concen: 76.556 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: BF103380.D
 Acq: 2 Mar 2018 21:55

Instrument :
 BNA_F
 ClientSampled :
 SP-46

Tot Ion:330 Resp: 148665
 Ion Ratio Lower Upper
 330 100
 332 102.7 77.0 115.6
 141 44.8 29.9 44.9

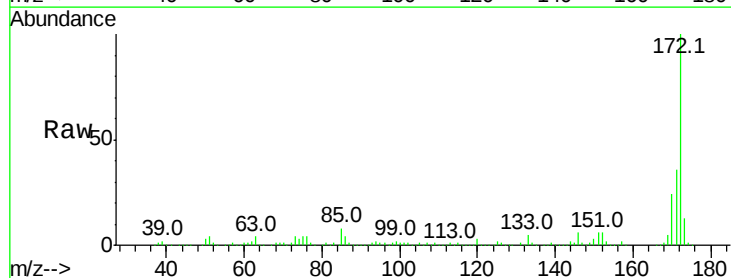


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

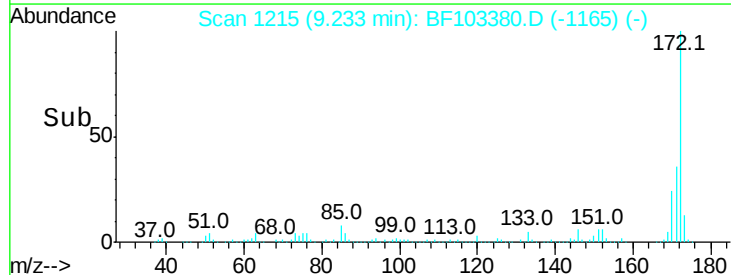
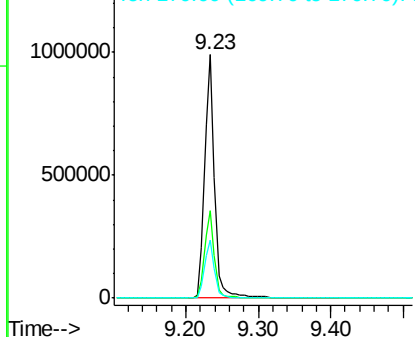


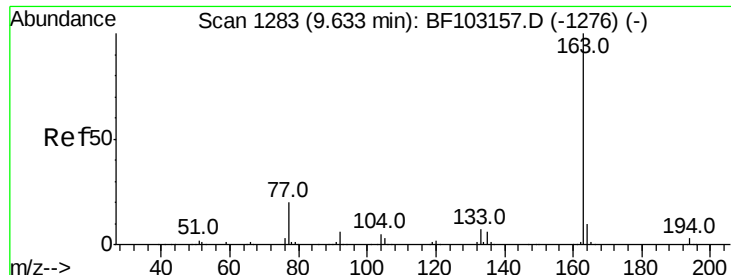
#44
 2-Fluorobiphenyl
 Concen: 67.789 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103380.D
 Acq: 2 Mar 2018 21:55

Tgt Ion:172 Resp: 948020
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.7 44.5
 170 24.1 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

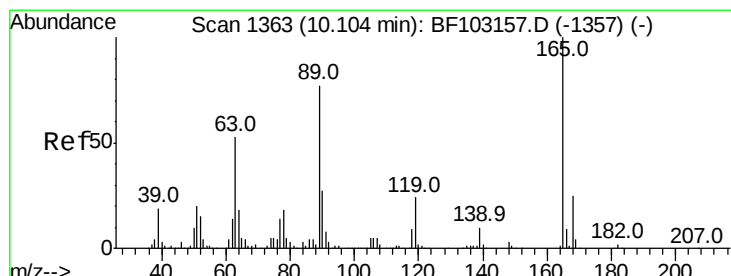
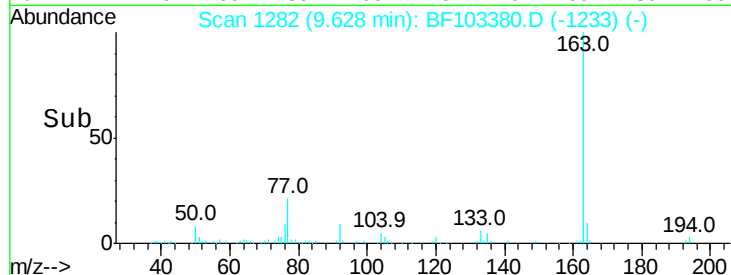
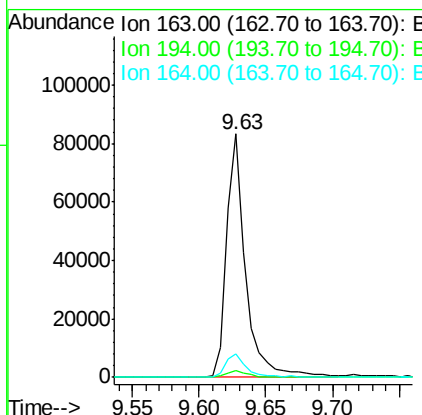
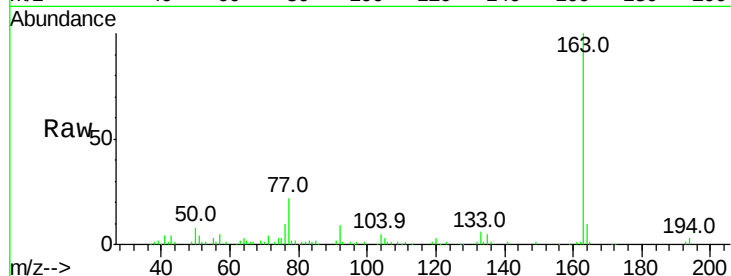




#49
Dimethylphthalate
Concen: 4.577 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF103380.D
Acq: 2 Mar 2018 21:55

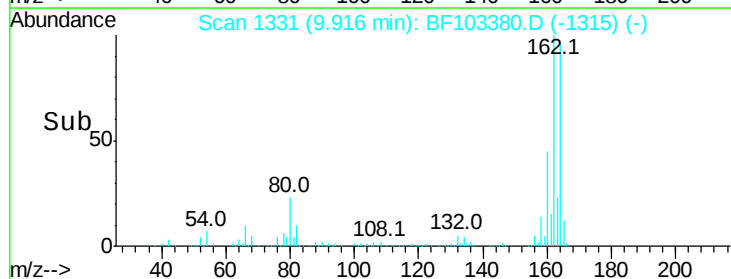
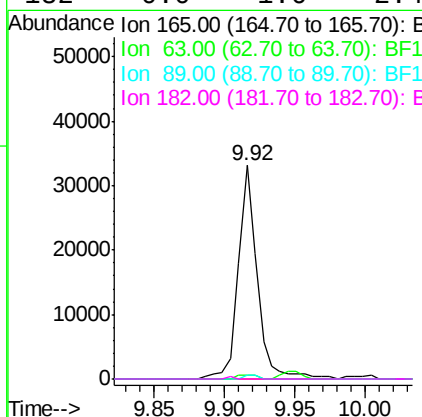
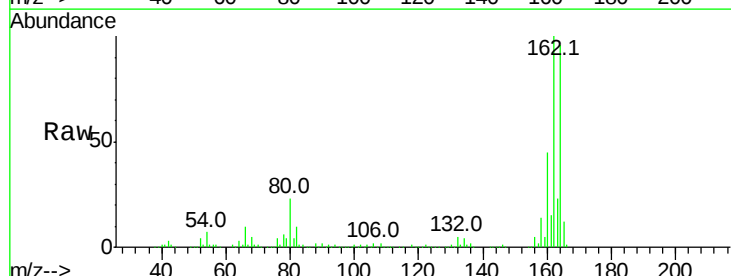
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BNA_F
ClientSampled :
SP-46

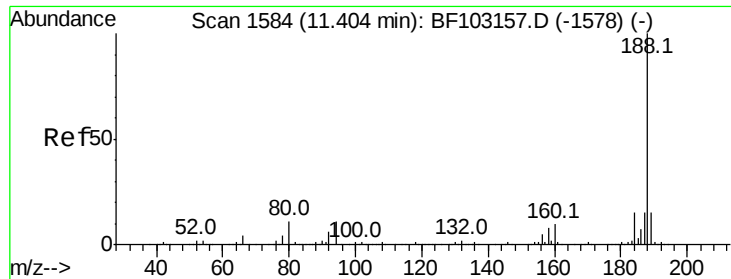
Tot Ion:163 Resp: 84245
Ion Ratio Lower Upper
163 100
194 3.0 2.7 4.1
164 9.8 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 6.384 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.21 min
Lab File: BF103380.D
Acq: 2 Mar 2018 21:55

Tgt Ion:165 Resp: 31185
Ion Ratio Lower Upper
165 100
63 2.0 36.4 54.6#
89 1.7 57.8 86.6#
182 0.0 1.6 2.4#

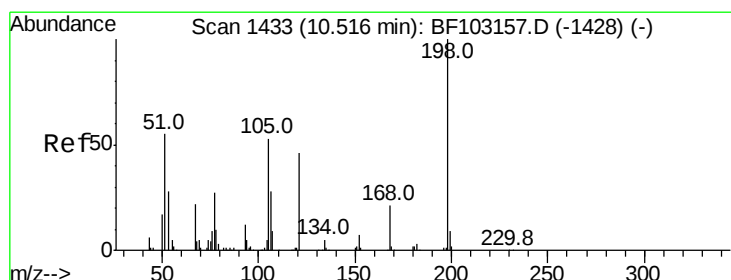
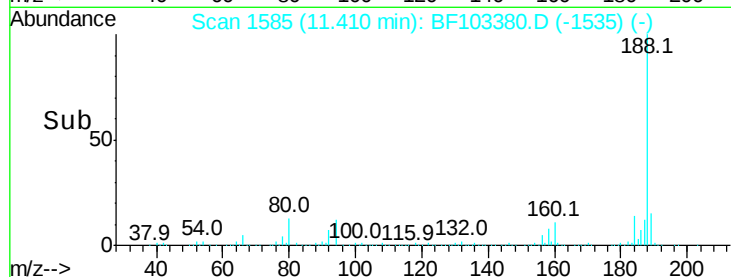
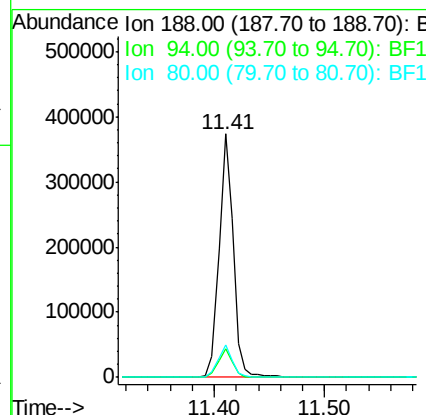
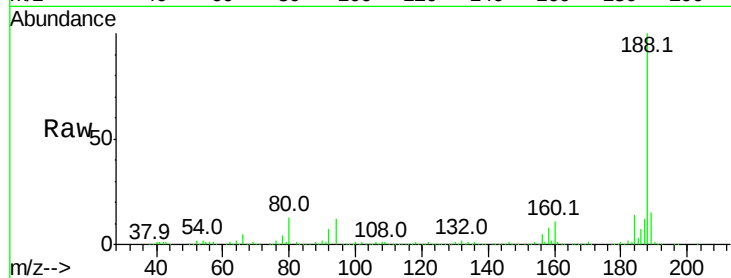




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF103380.D
Acq: 2 Mar 2018 21:55

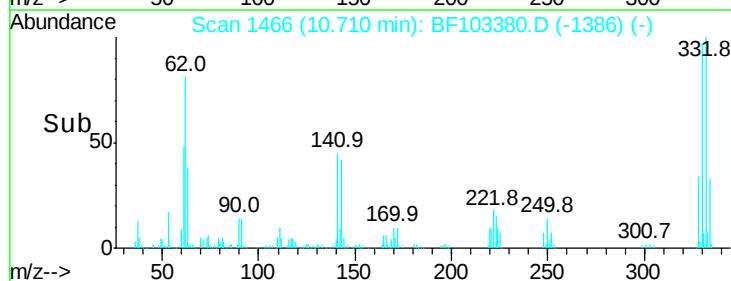
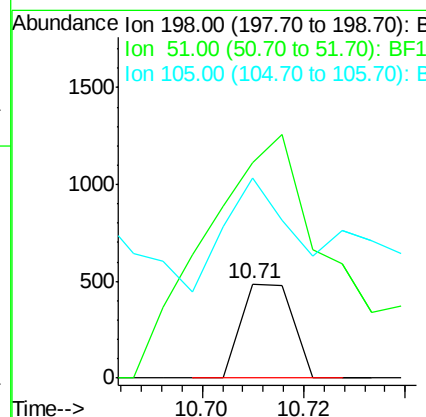
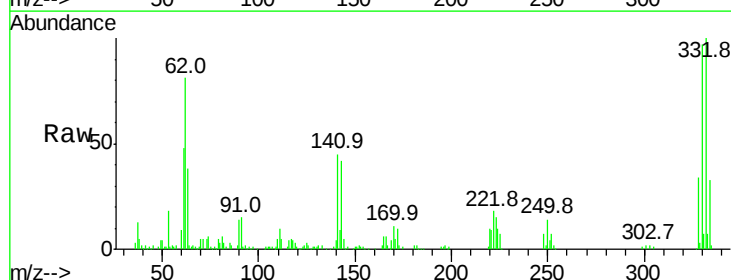
Instrument :
BNA_F
ClientSampleId :
SP-46

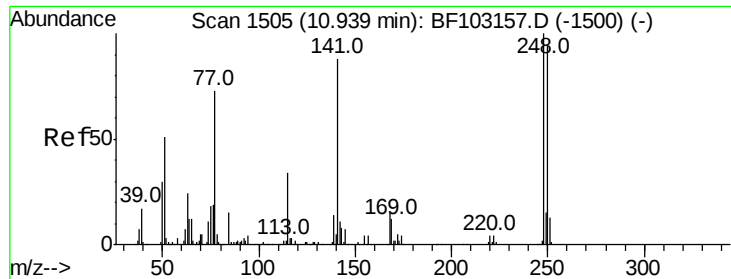
Tot Ion:188 Resp: 330487
Ion Ratio Lower Upper
188 100
94 11.8 8.5 12.7
80 13.2 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.097 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.17 min
Lab File: BF103380.D
Acq: 2 Mar 2018 21:55

Tgt Ion:198 Resp: 340
Ion Ratio Lower Upper
198 100
51 228.7 37.7 77.7#
105 212.7 36.3 76.3#

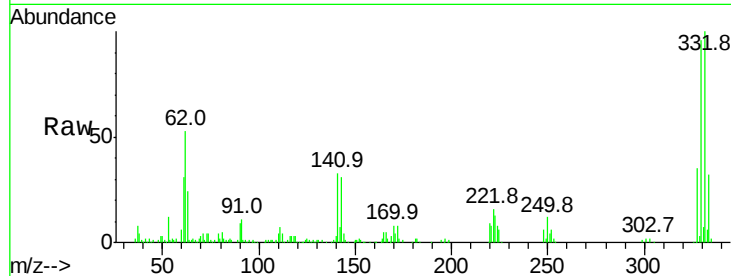




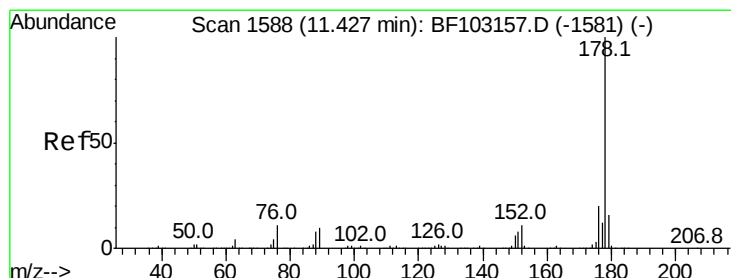
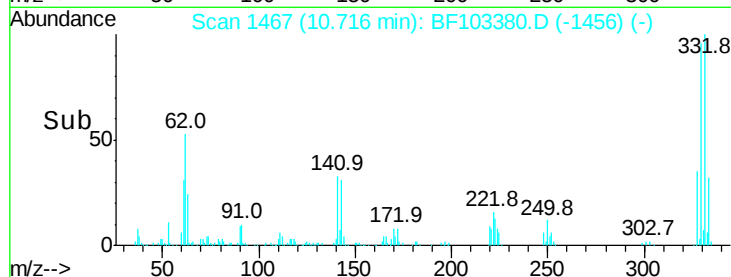
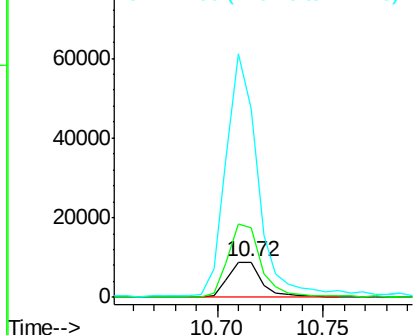
#66
 4-Bromophenyl-phenylether
 Concen: 2.894 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.24 min
 Lab File: BF103380.D
 Acq: 2 Mar 2018 21:55

Instrument :
 BNA_F
 ClientSampleId :
 SP-46

Tot Ion:248 Resp: 9962
 Ion Ratio Lower Upper
 248 100
 250 198.2 76.9 115.3#
 141 532.1 74.4 111.6#

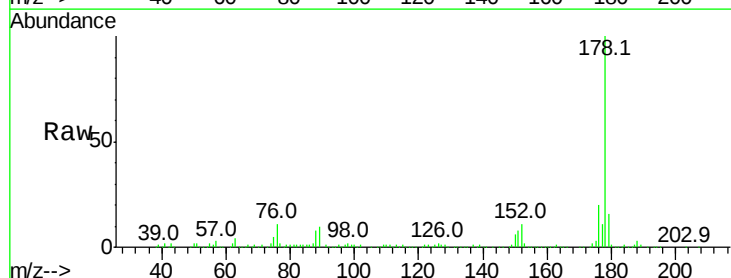


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

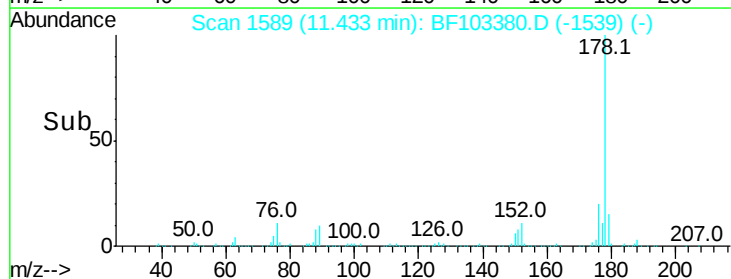
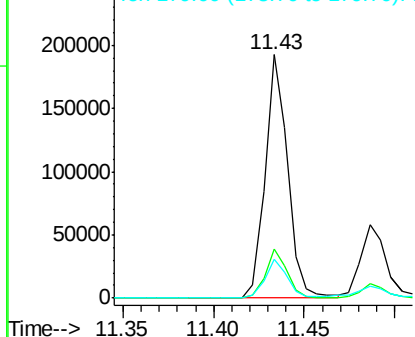


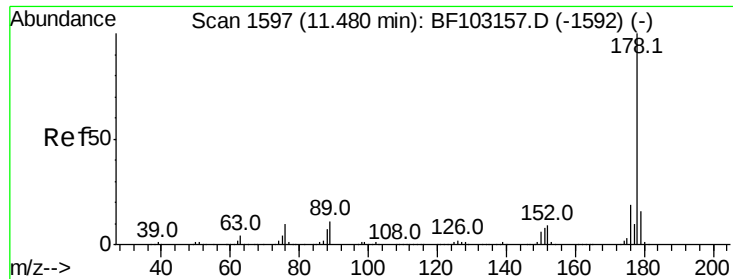
#70
 Phenanthrene
 Concen: 9.201 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.01 min
 Lab File: BF103380.D
 Acq: 2 Mar 2018 21:55

Tgt Ion:178 Resp: 167353
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.8 23.8
 179 15.7 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

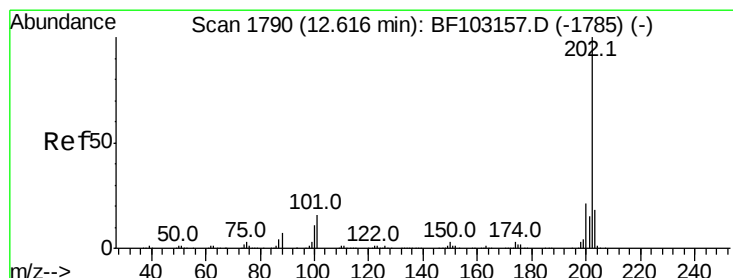
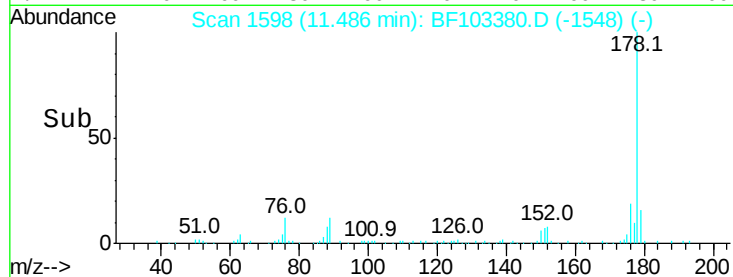
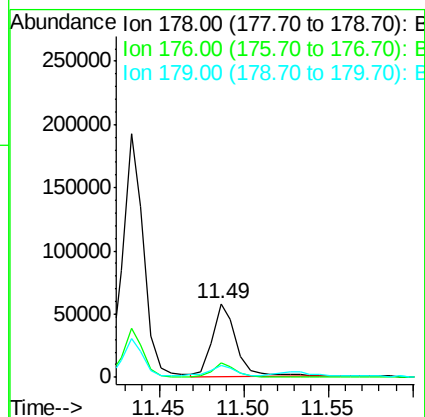
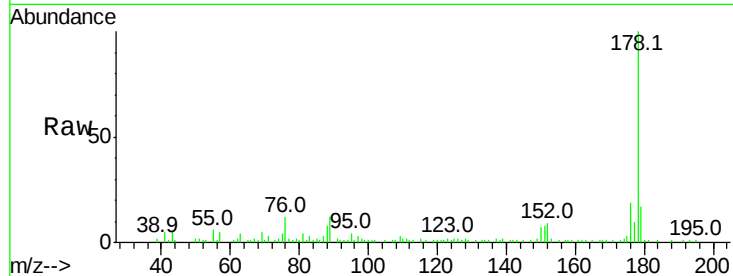




#71
 Anthracene
 Concen: 3.118 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF103380.D
 Acq: 2 Mar 2018 21:55

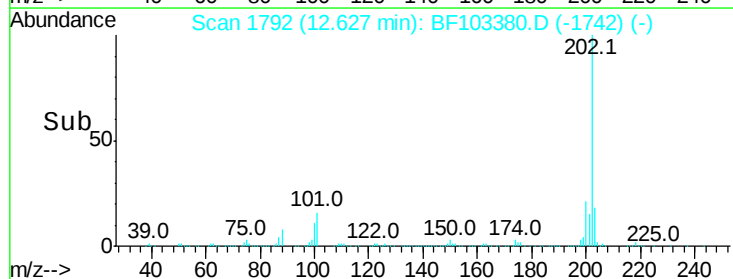
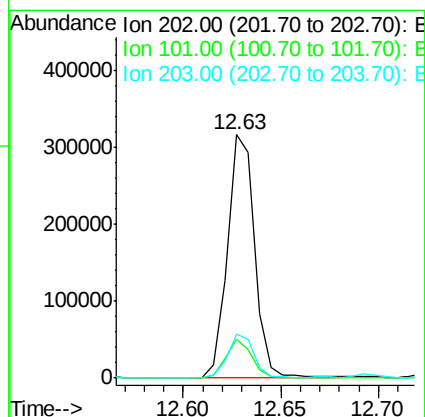
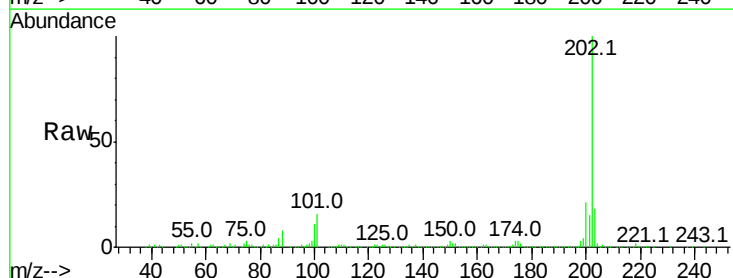
Instrument :
 BNA_F
 ClientSampleId :
 SP-46

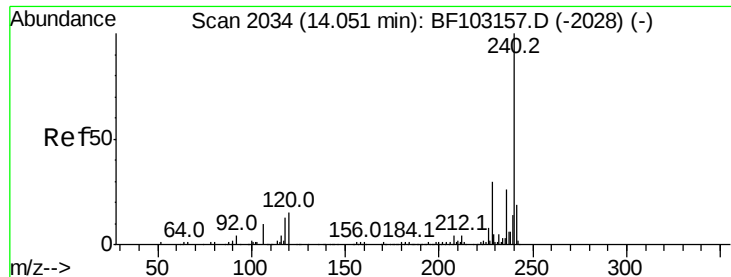
Tot Ion:178 Resp: 58144
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.4 23.2
 179 17.0 12.6 19.0



#74
 Fluoranthene
 Concen: 16.663 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. -0.01 min
 Lab File: BF103380.D
 Acq: 2 Mar 2018 21:55

Tgt Ion:202 Resp: 304551
 Ion Ratio Lower Upper
 202 100
 101 16.2 0.0 34.1
 203 18.1 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF103380.D

Acq: 2 Mar 2018 21:55

Instrument :

BNA_F

ClientSampleId :

SP-46

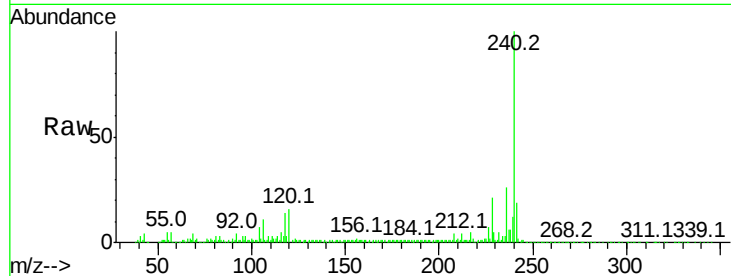
Tot Ion:240 Resp: 234270

Ion Ratio Lower Upper

240 100

120 16.3 9.5 14.3#

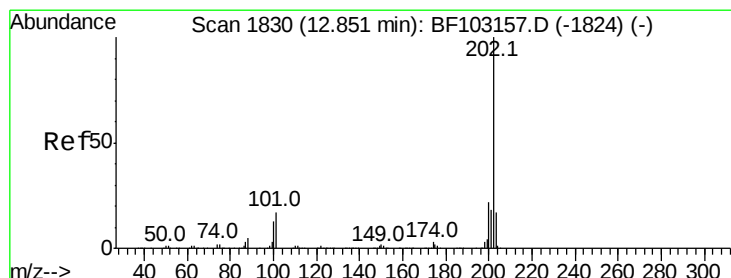
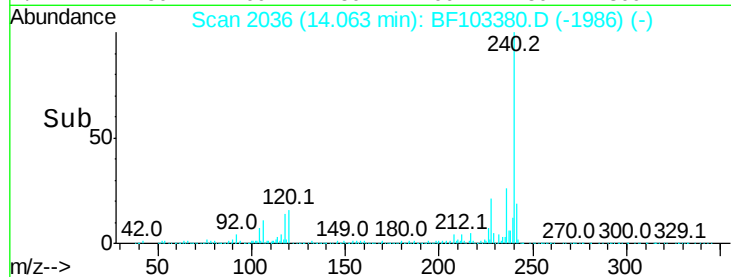
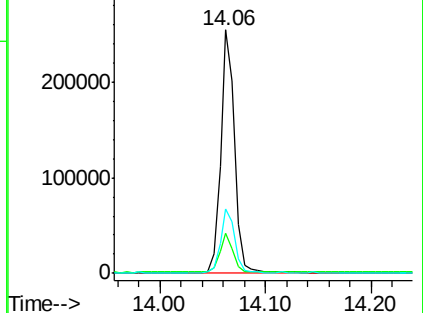
236 26.3 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 17.589 ng

RT: 12.86 min Scan# 1832

Delta R.T. -0.01 min

Lab File: BF103380.D

Acq: 2 Mar 2018 21:55

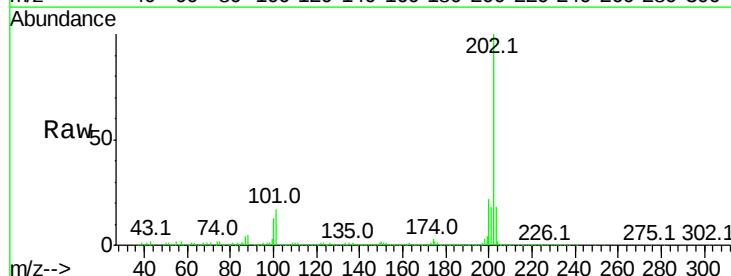
Tgt Ion:202 Resp: 321259

Ion Ratio Lower Upper

202 100

200 22.0 17.4 26.2

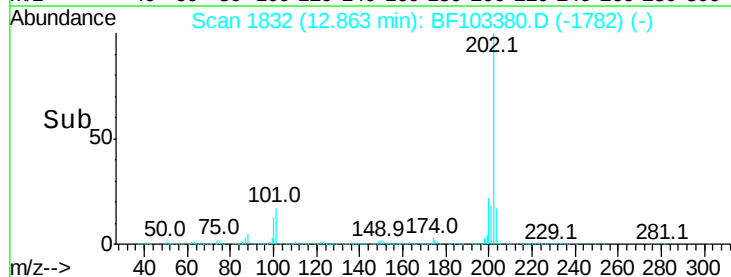
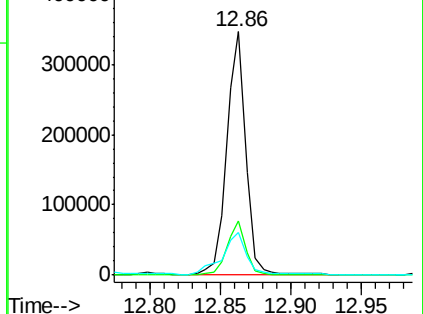
203 17.8 14.3 21.5

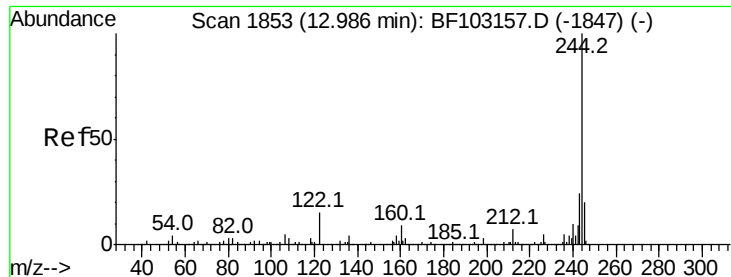


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 63.288 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BF103380.D

Acq: 2 Mar 2018 21:55

Instrument :

BNA_F

ClientSampleId :

SP-46

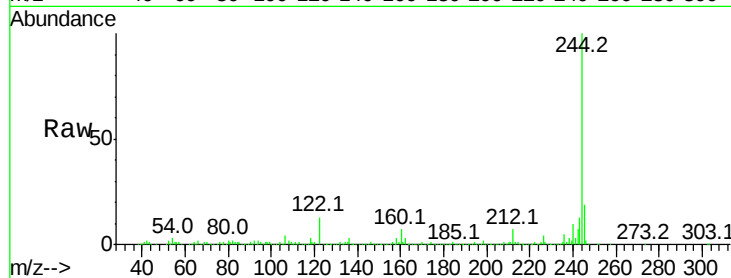
Tot Ion:244 Resp: 616777

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

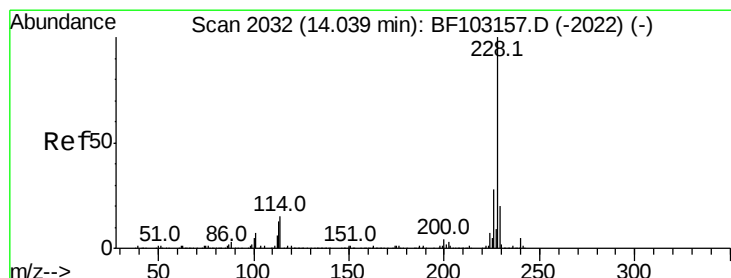
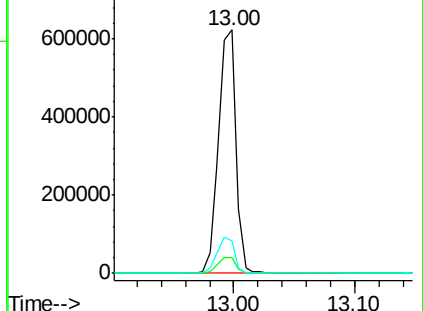
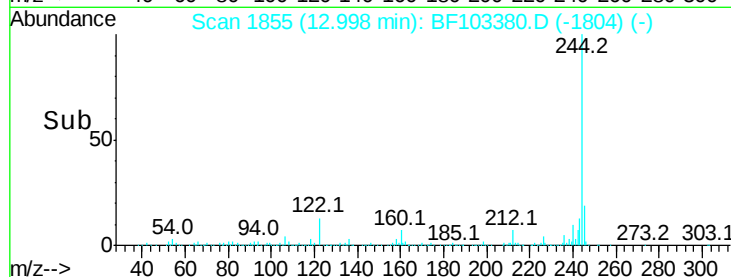
122 13.1 11.0 16.4



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: 10.685 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103380.D

Acq: 2 Mar 2018 21:55

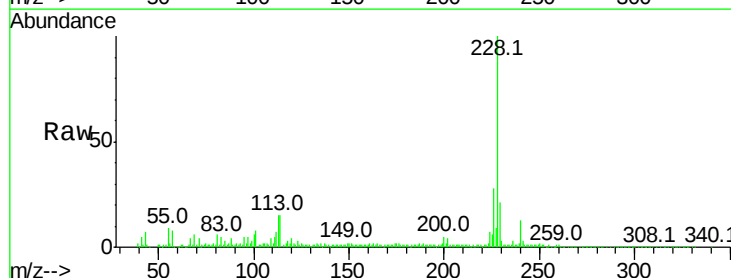
Tgt Ion:228 Resp: 162412

Ion Ratio Lower Upper

228 100

226 28.1 22.6 33.8

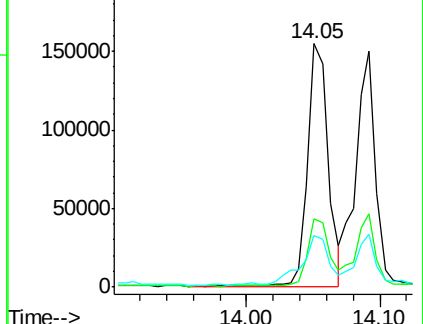
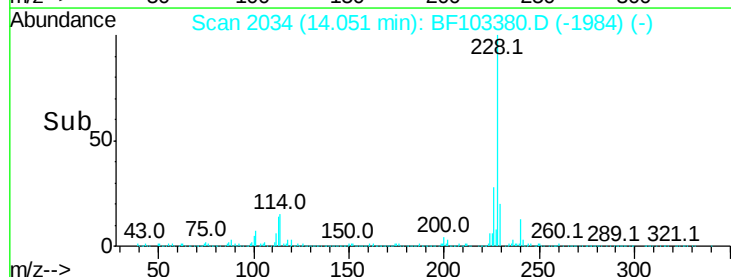
229 21.2 15.8 23.6

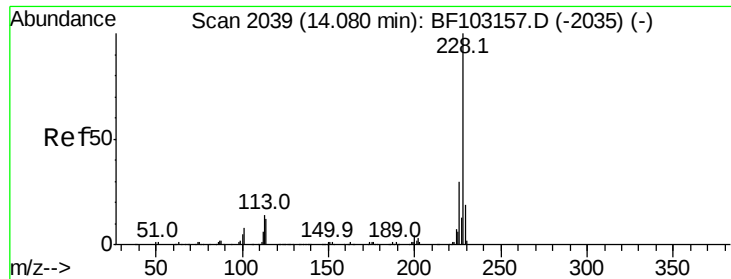


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

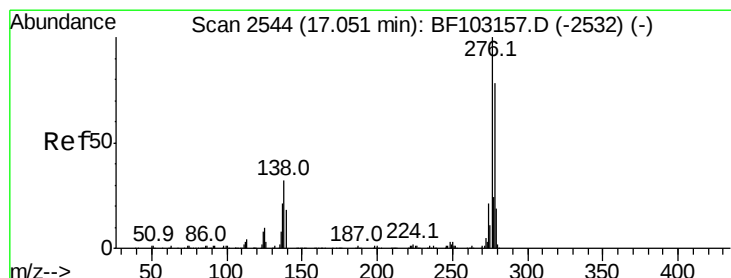
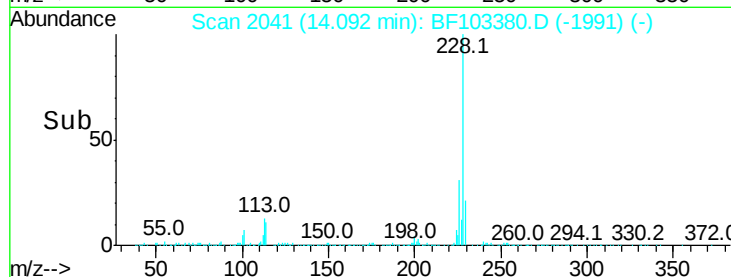
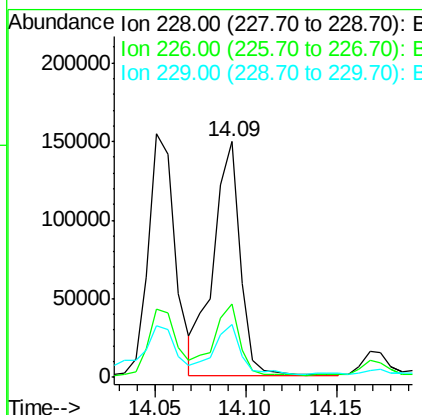
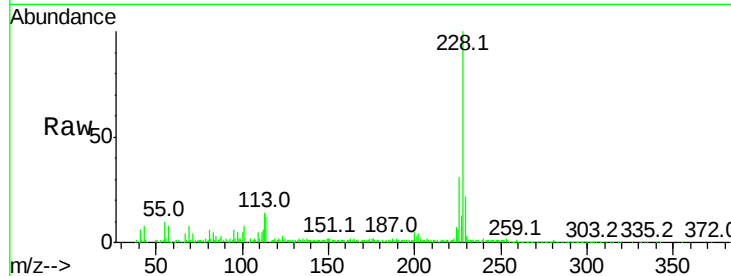




#82
Chrysene
Concen: 10.531 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103380.D
Acq: 2 Mar 2018 21:55

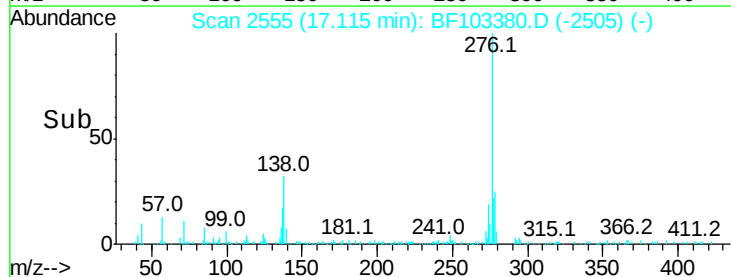
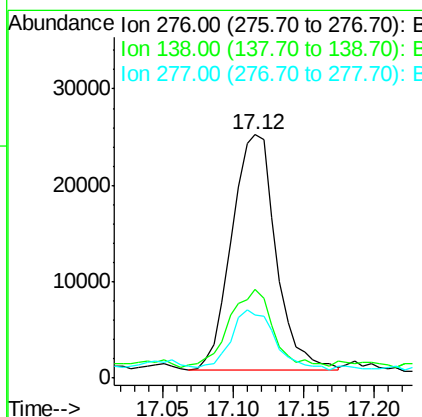
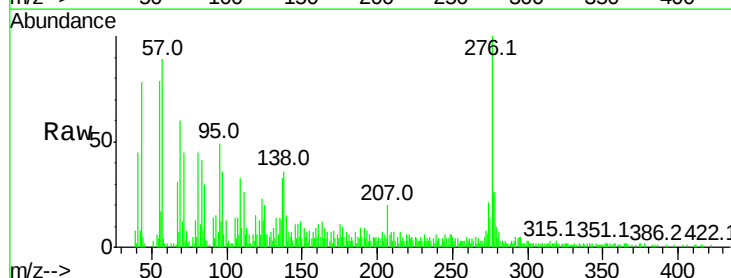
Instrument :
BNA_F
ClientSampleId :
SP-46

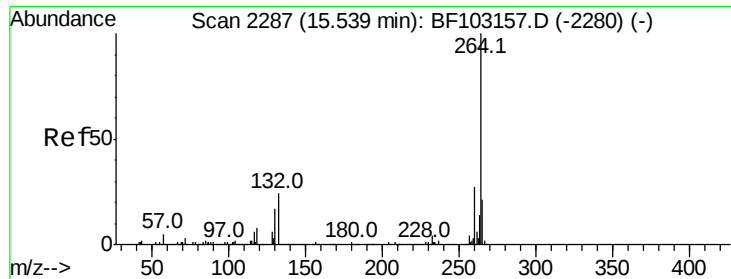
Tot Ion:228 Resp: 155429
Ion Ratio Lower Upper
228 100
226 31.2 25.0 37.6
229 22.3 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.584 ng
RT: 17.12 min Scan# 2555
Delta R.T. -0.01 min
Lab File: BF103380.D
Acq: 2 Mar 2018 21:55

Tgt Ion:276 Resp: 53558
Ion Ratio Lower Upper
276 100
138 32.6 25.0 37.6
277 25.2 20.1 30.1



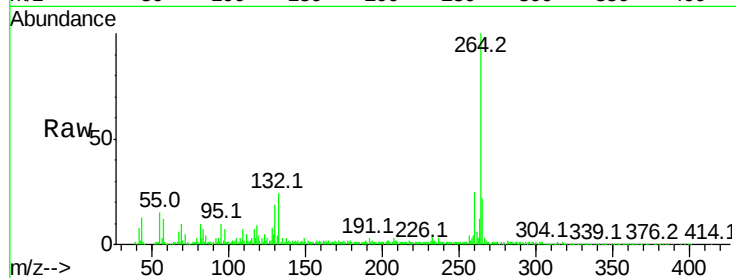


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. 0.01 min
Lab File: BF103380.D
Acq: 2 Mar 2018 21:55

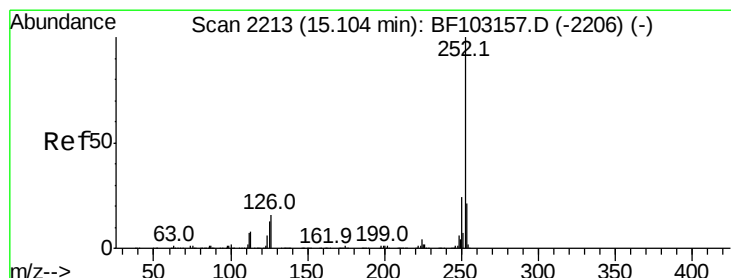
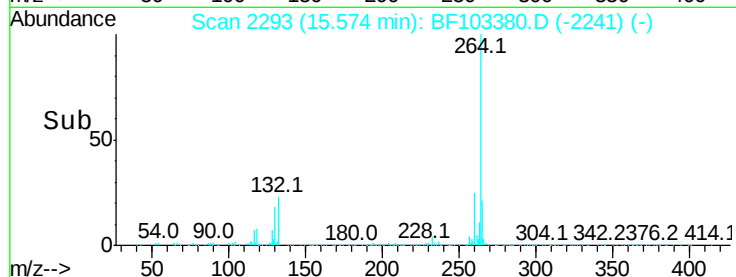
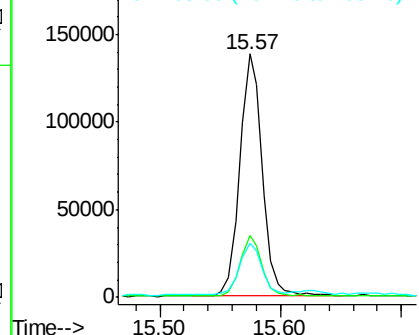
Instrument :
BNA_F
ClientSampleId :
SP-46

Tot Ion:264 Resp: 180128

Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.2	28.8
265	22.2	17.5	26.3



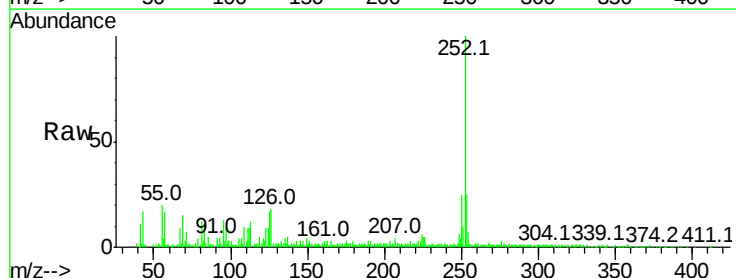
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



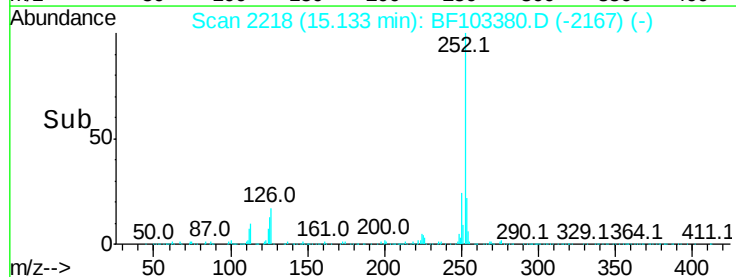
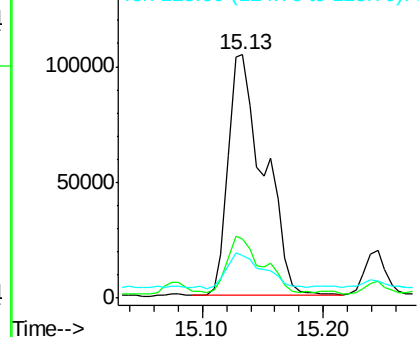
#87
Benzo(b)fluoranthene
Concen: 18.139 ng
RT: 15.13 min Scan# 2218
Delta R.T. 0.00 min
Lab File: BF103380.D
Acq: 2 Mar 2018 21:55

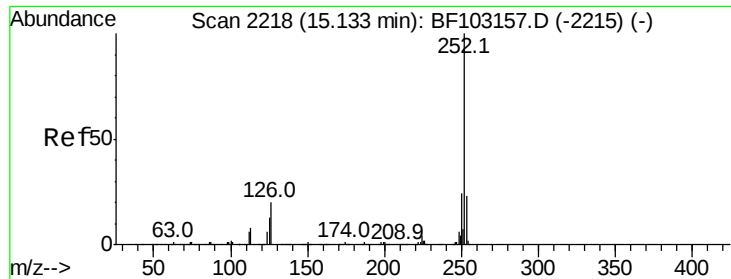
Tgt Ion:252 Resp: 214825

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.0	25.6
125	17.4	9.0	13.6



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

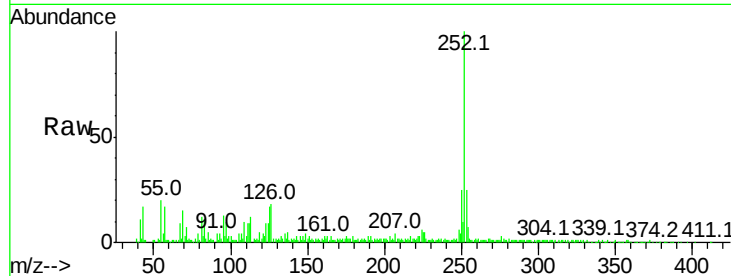




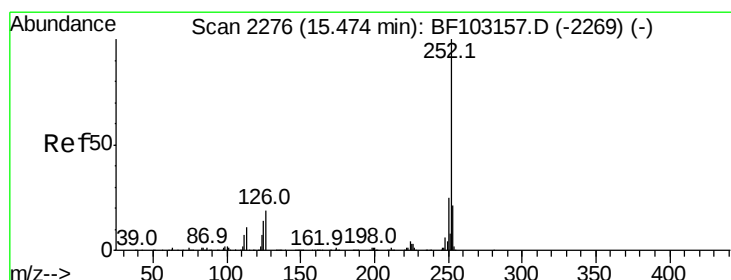
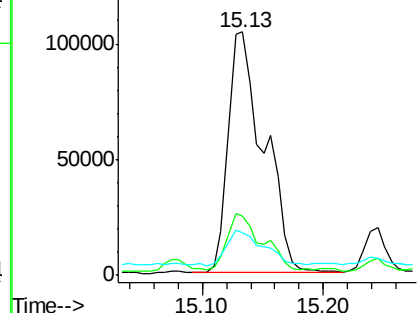
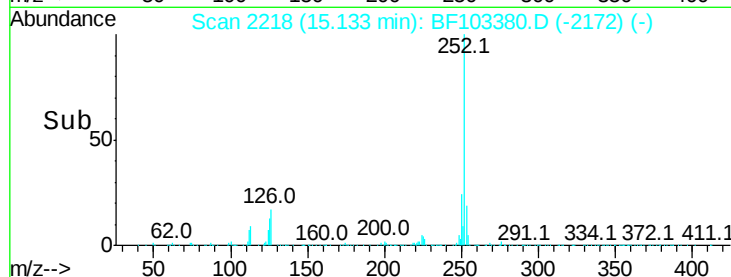
#88
Benzo(k)fluoranthene
Concen: 19.263 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.03 min
Lab File: BF103380.D
Acq: 2 Mar 2018 21:55

Instrument :
BNA_F
ClientSampleId :
SP-46

Tot Ion:252 Resp: 214825
Ion Ratio Lower Upper
252 100
253 24.5 17.9 26.9
125 17.4 10.2 15.2#

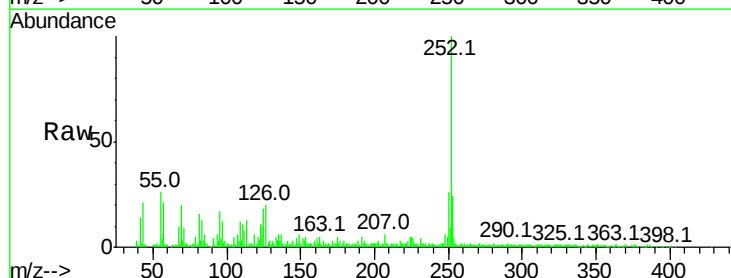


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

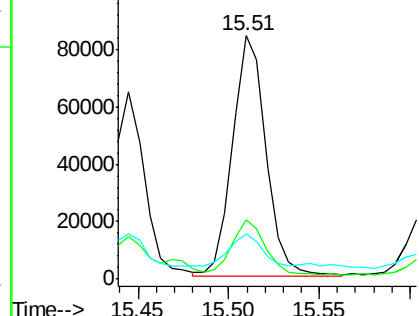
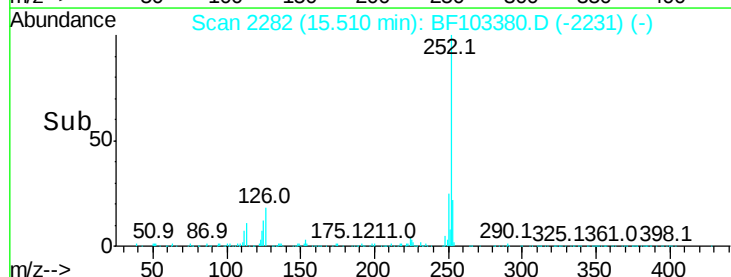


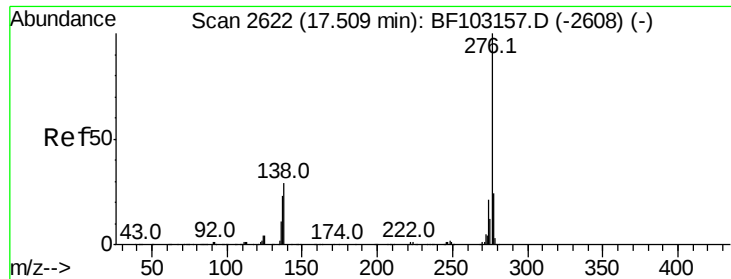
#89
Benzo(a)pyrene
Concen: 10.145 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.00 min
Lab File: BF103380.D
Acq: 2 Mar 2018 21:55

Tgt Ion:252 Resp: 107290
Ion Ratio Lower Upper
252 100
253 24.4 17.1 25.7
125 18.4 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





#91

Benzo(a,h,i)perylene

Concen: 6.880 ng

RT: 17.59 min Scan# 2635

Delta R.T. 0.01 min

Lab File: BF103380.D

Acq: 2 Mar 2018 21:55

Instrument :

BNA_F

ClientSampleId :

SP-46

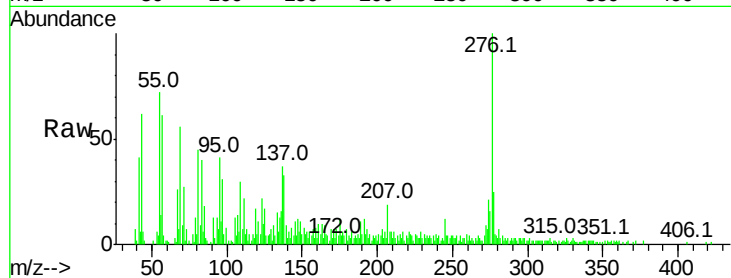
Tot Ion:276 Resp: 54952

Ion Ratio Lower Upper

276 100

277 24.9 17.9 26.9

138 33.2 21.8 32.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

