

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
 Data File : BF103260.D
 Acq On : 27 Feb 2018 14:02
 Operator : SJ/JU
 Sample : J1702-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 27 16:53:09 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	158722	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	665399	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	293303	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	476129	20.00	ng	0.00
75) Chrysene-d12	14.05	240	311896	20.00	ng	0.00
86) Perylene-d12	15.55	264	328399	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1009119	96.16	ng	0.01
7) Phenol-d6	6.51	99	1214045	94.54	ng	0.00
23) Nitrobenzene-d5	7.44	82	793278	68.08	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	235056	94.68	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1073421	58.39	ng	0.00
78) Terphenyl-d14	12.99	244	817862	63.03	ng	0.00

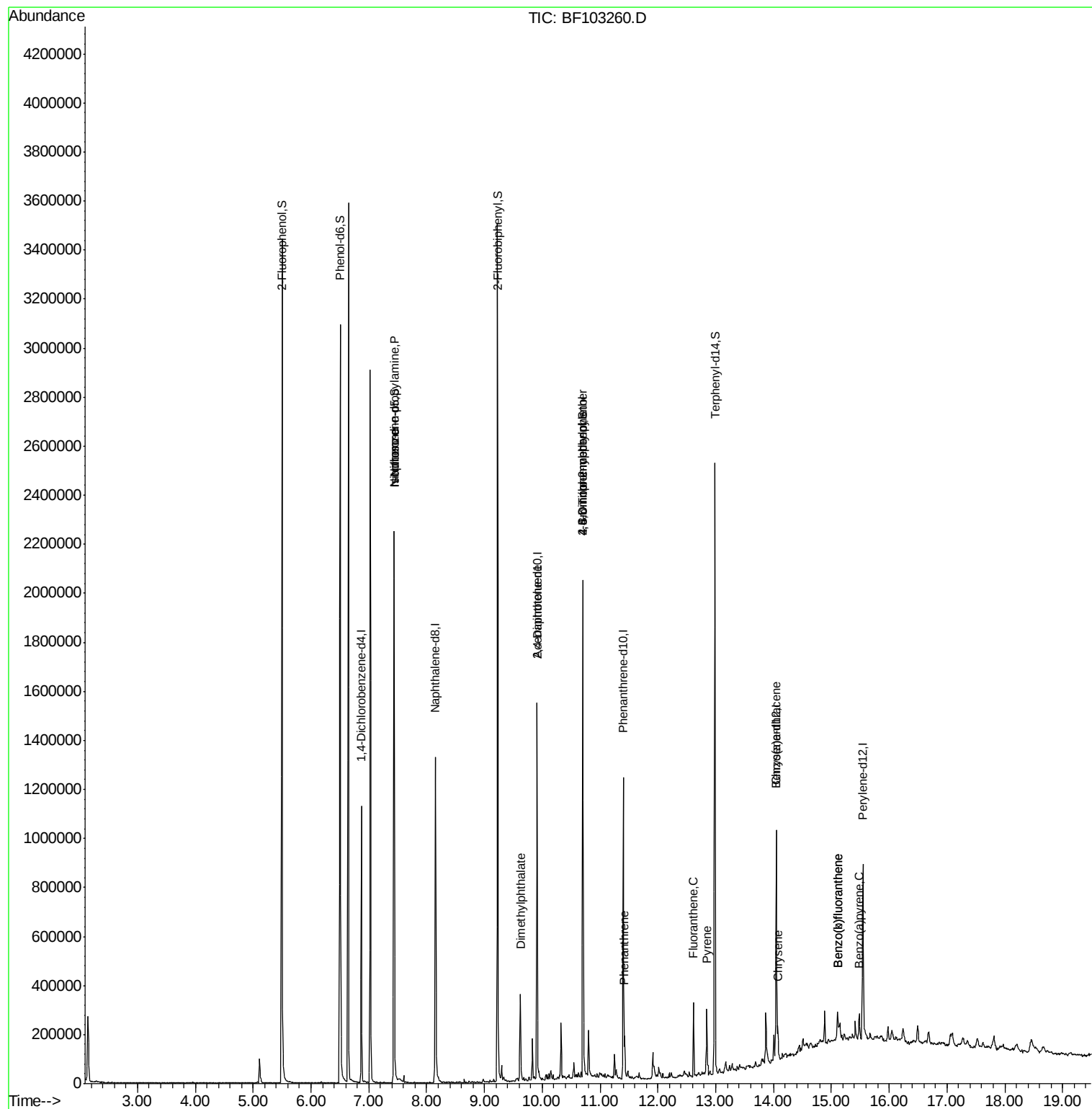
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	2063	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.44	70	105417	13.190	ng	# 79
25) Isophorone	7.44	82	793278	34.569	ng	# 64
49) Dimethylphthalate	9.62	163	149416	6.350	ng	# 98
56) 2,4-Dinitrotoluene	9.91	165	37242	5.964	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	466	5.090	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	14663	2.956	ng	# 1
70) Phenanthrene	11.42	178	63596	2.427	ng	97
74) Fluoranthene	12.62	202	110340	4.191	ng	98
77) Pyrene	12.84	202	110486	4.544	ng	97
80) Benzo(a)anthracene	14.04	228	45498	2.248	ng	99
82) Chrysene	14.07	228	44737	2.277	ng	98
87) Benzo(b)fluoranthene	15.11	252	81940	3.795	ng	# 91
88) Benzo(k)fluoranthene	15.11	252	81940	4.030	ng	# 94
89) Benzo(a)pyrene	15.48	252	44828	2.325	ng	# 89

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

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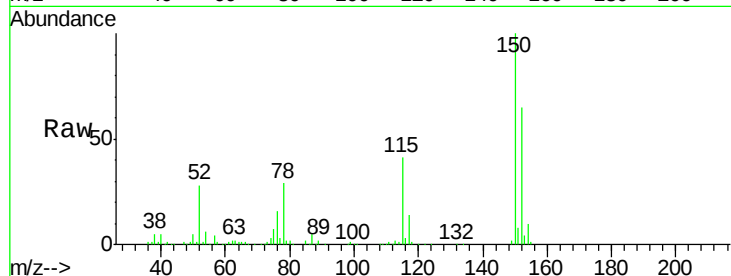


#1

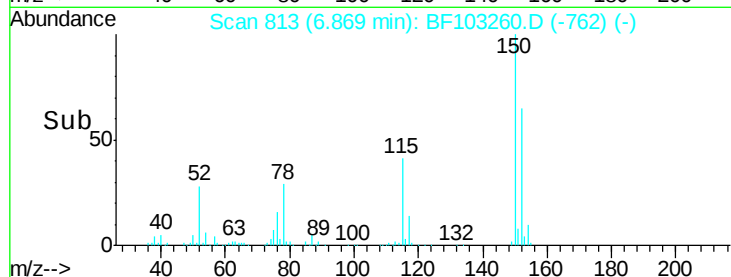
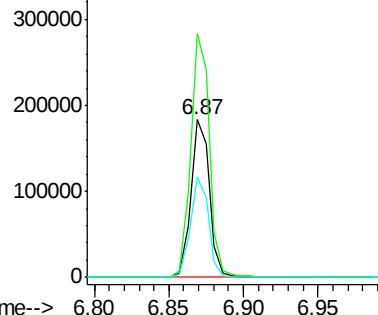
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF103260.D
Acq: 27 Feb 2018 14:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 158722
Ion Ratio Lower Upper
152 100
150 154.8 124.6 186.8
115 63.5 50.1 75.1



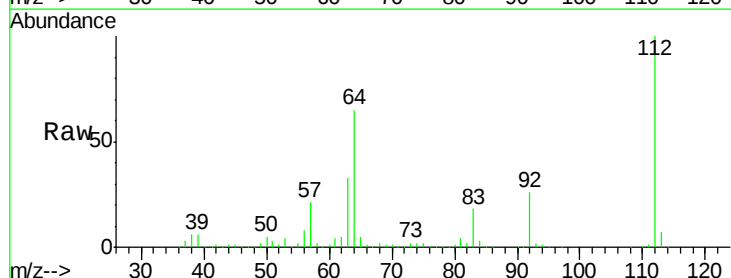
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



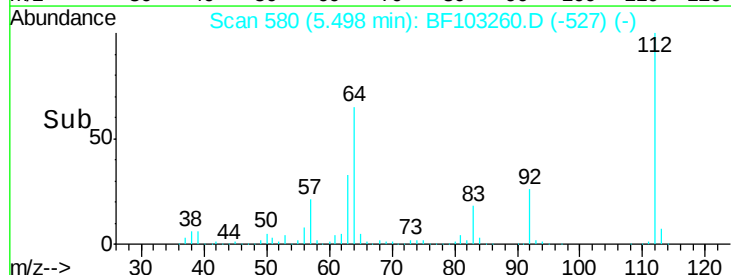
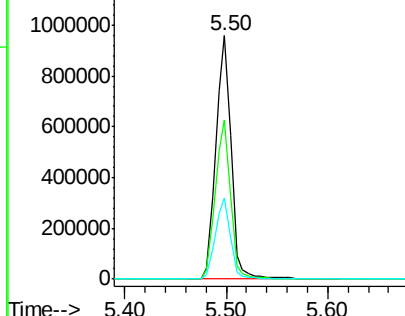
#5

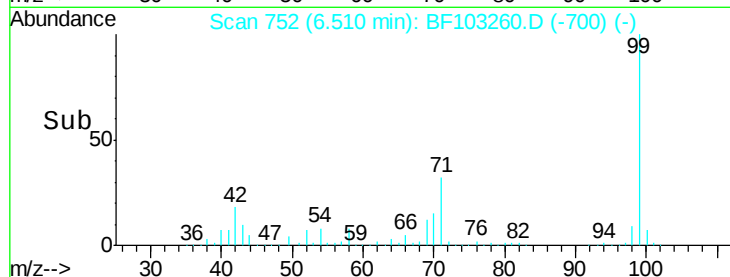
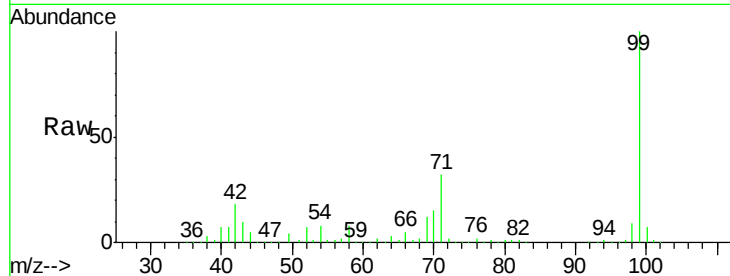
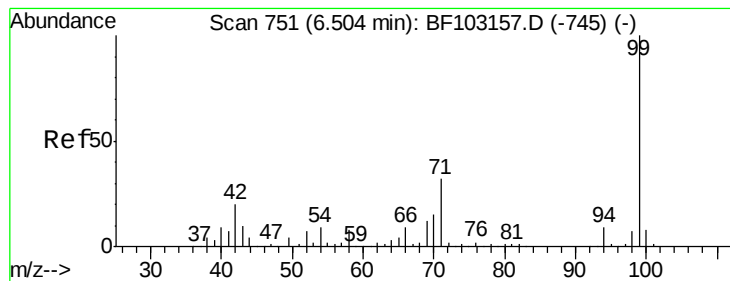
2-Fluorophenol
Concen: 96.157 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103260.D
Acq: 27 Feb 2018 14:02

Tgt Ion:112 Resp: 1009119
Ion Ratio Lower Upper
112 100
64 65.5 47.9 71.9
63 33.4 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: 94.540 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF103260.D

Acq: 27 Feb 2018 14:02

Instrument :

BNA_F

ClientSampleId :

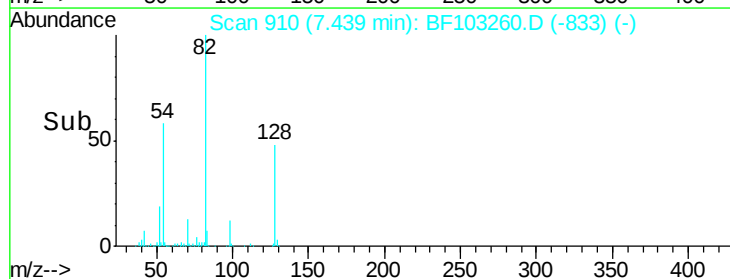
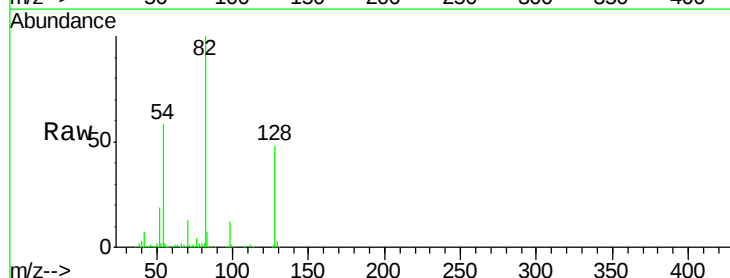
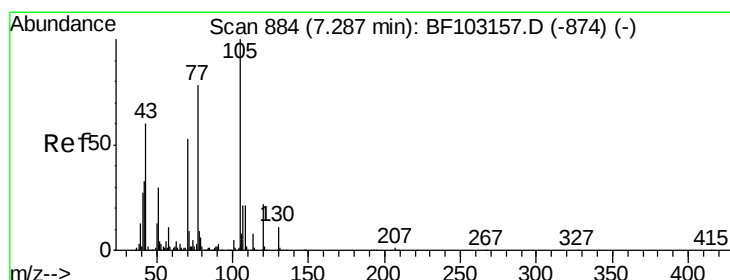
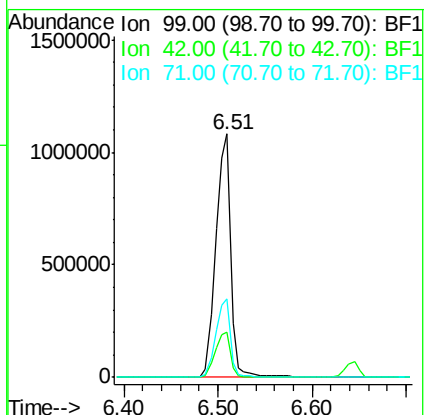
Tot Ion: 99 Resp: 1214045

Ion Ratio Lower Upper

99 100

42 18.4 14.5 21.7

71 32.3 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.190 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103260.D

Acq: 27 Feb 2018 14:02

Tgt Ion: 70 Resp: 105417

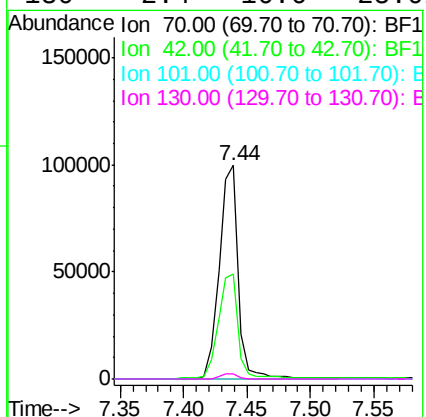
Ion Ratio Lower Upper

70 100

42 49.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

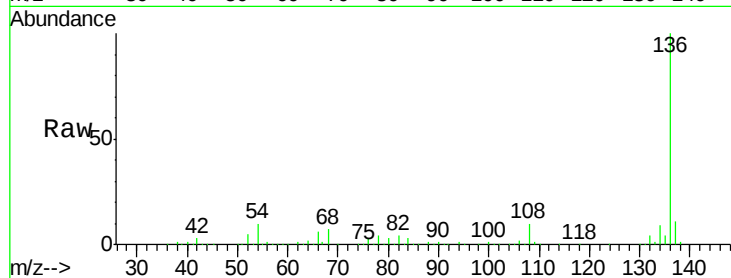




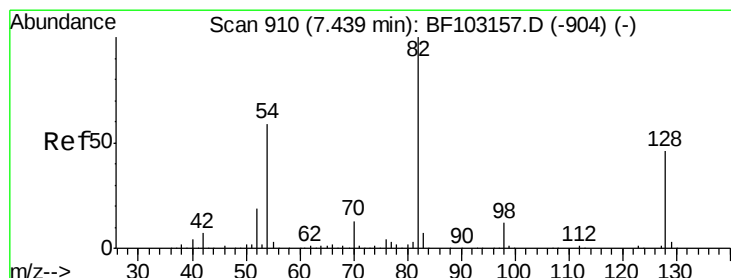
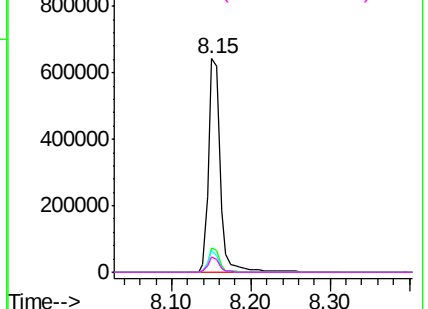
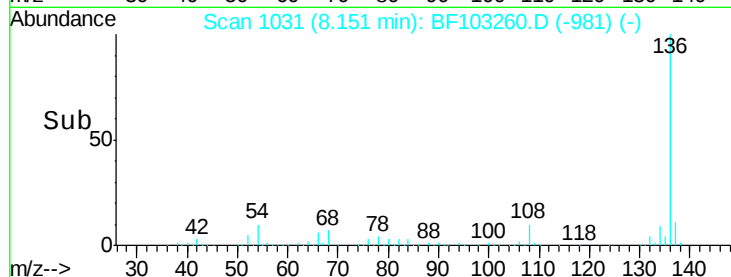
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF103260.D
Acq: 27 Feb 2018 14:02

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	665399
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	10.1	6.6 9.8#
68	7.0	5.0 7.4

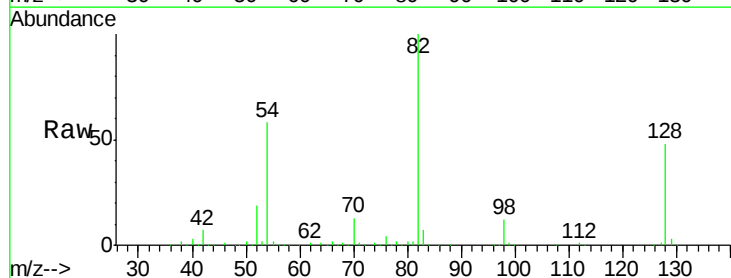


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

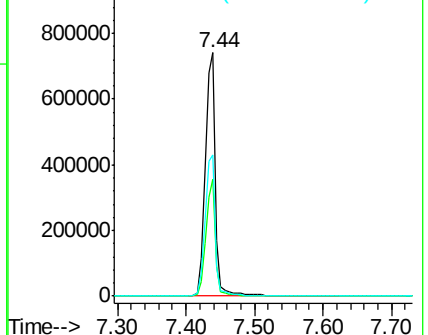
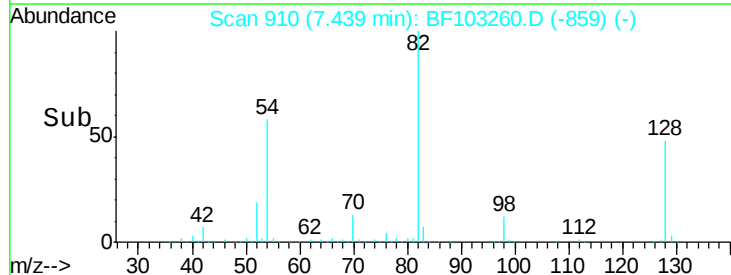


#23
Nitrobenzene-d5
Concen: 68.084 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.00 min
Lab File: BF103260.D
Acq: 27 Feb 2018 14:02

Tgt Ion: 82	Resp:	793278
Ion Ratio	Lower	Upper
82	100	
128	47.8	36.1 54.1
54	58.1	41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 34.569 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.25 min

Lab File: BF103260.D

Acq: 27 Feb 2018 14:02

Instrument :

BNA_F

ClientSampleId :

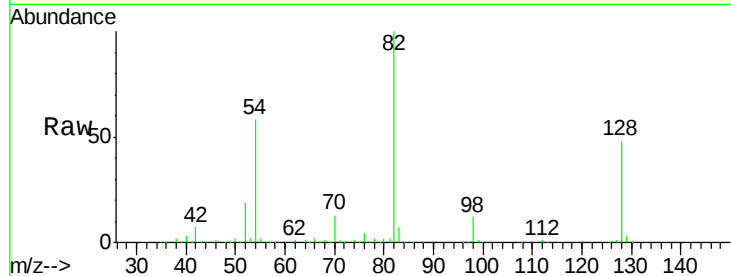
Tot Ion: 82 Resp: 793278

Ion Ratio Lower Upper

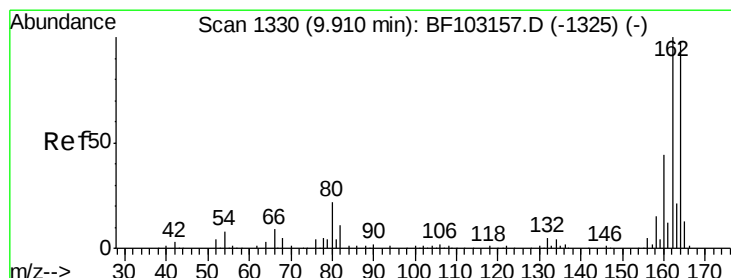
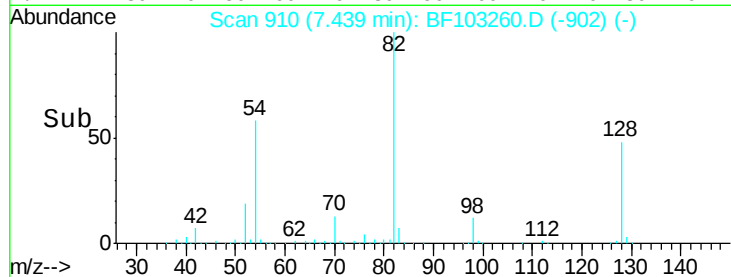
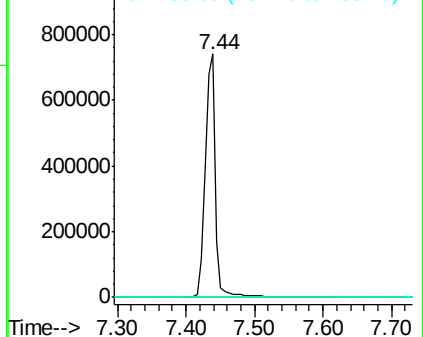
82 100

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: BF103260.D

Acq: 27 Feb 2018 14:02

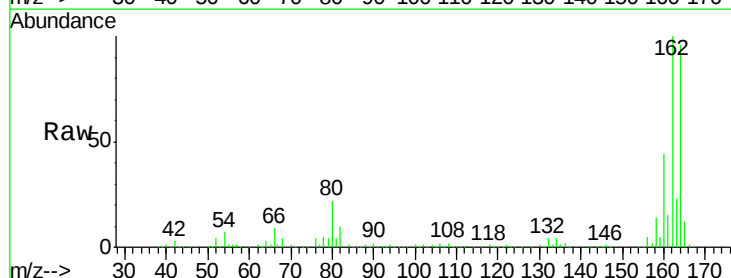
Tgt Ion: 164 Resp: 293303

Ion Ratio Lower Upper

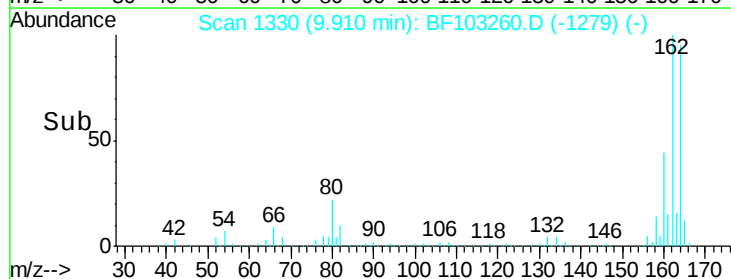
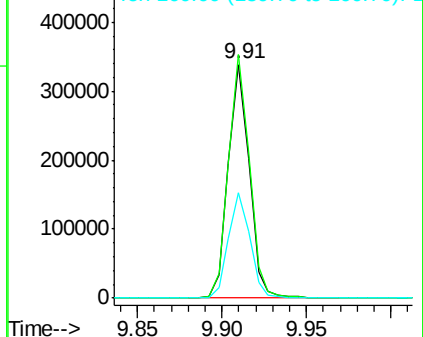
164 100

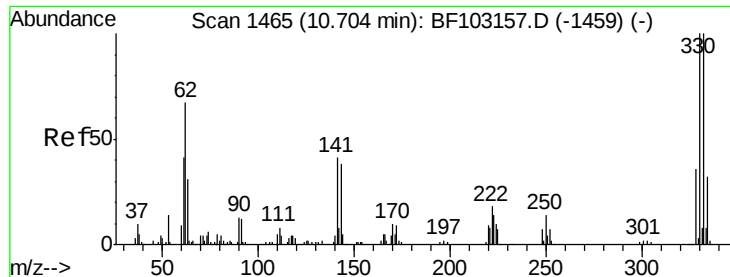
162 104.3 86.1 129.1

160 45.4 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





#41

2,4,6-Tribromophenol

Concen: 94.680 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.00 min

Lab File: BF103260.D

Acq: 27 Feb 2018 14:02

Instrument :

BNA_F

ClientSampleId :

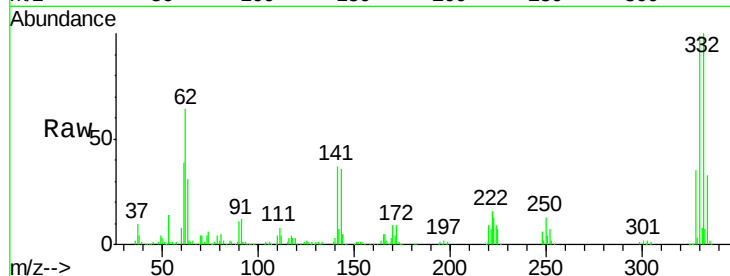
Tot Ion:330 Resp: 235056

Ion Ratio Lower Upper

330 100

332 100.0 77.0 115.6

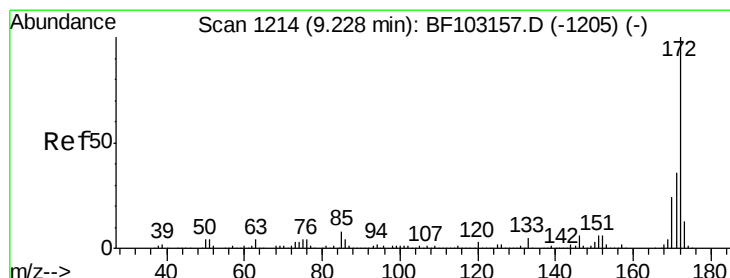
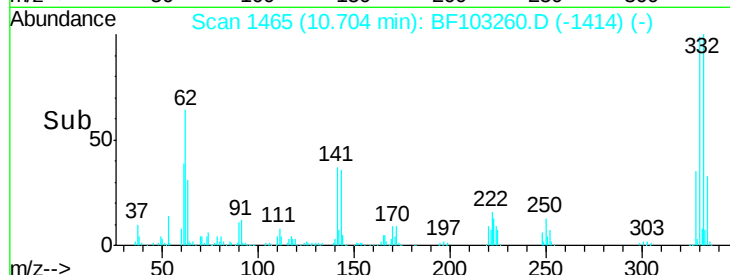
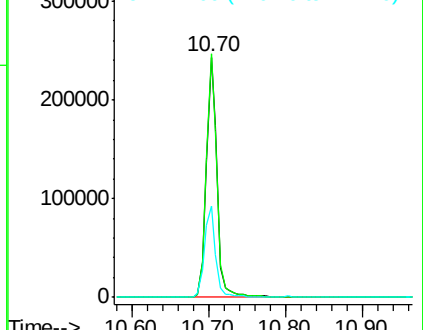
141 40.1 29.9 44.9



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 58.390 ng

RT: 9.23 min Scan# 1214

Delta R.T. 0.00 min

Lab File: BF103260.D

Acq: 27 Feb 2018 14:02

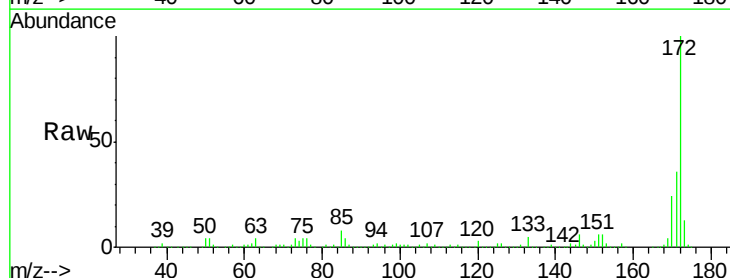
Tgt Ion:172 Resp: 1073421

Ion Ratio Lower Upper

172 100

171 36.2 29.7 44.5

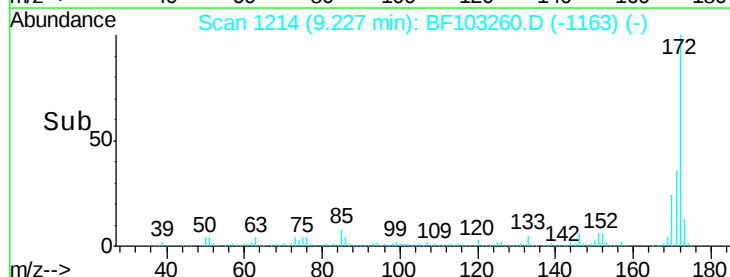
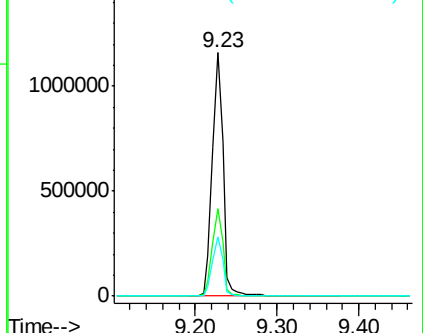
170 24.4 19.6 29.4

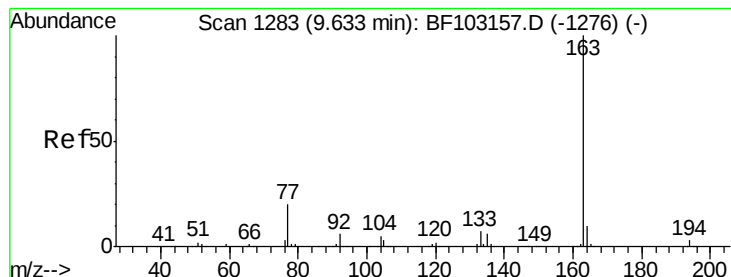


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 6.350 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF103260.D

Acq: 27 Feb 2018 14:02

Instrument :

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ClientSampleId :

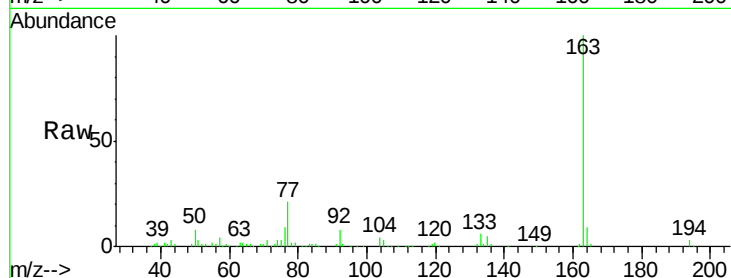
Tot Ion:163 Resp: 149416

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

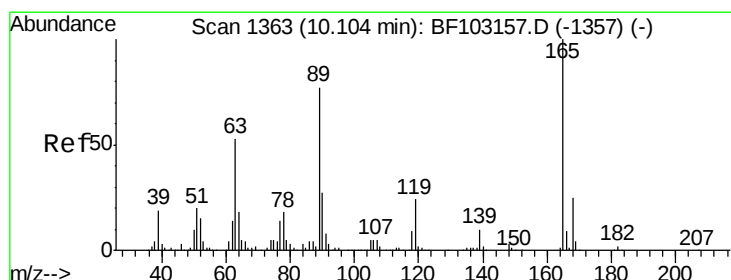
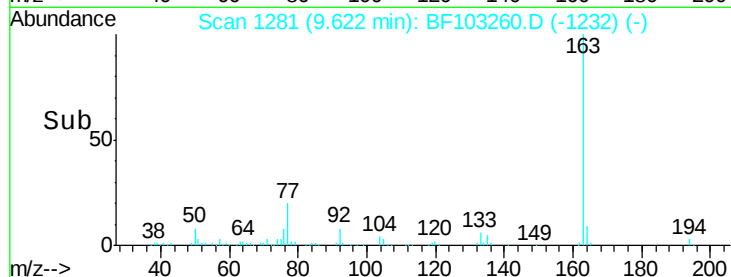
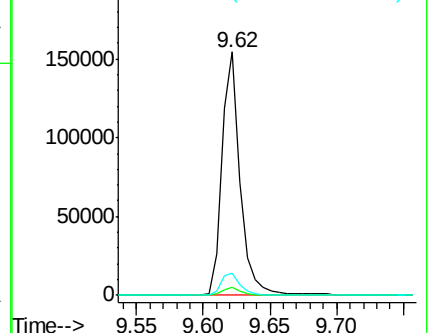
164 9.3 8.2 12.2



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: 5.964 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.19 min

Lab File: BF103260.D

Acq: 27 Feb 2018 14:02

Tgt Ion:165 Resp: 37242

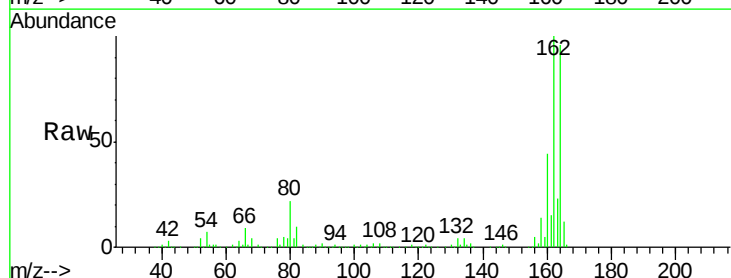
Ion Ratio Lower Upper

165 100

63 1.1 36.4 54.6#

89 1.2 57.8 86.6#

182 0.0 1.6 2.4#

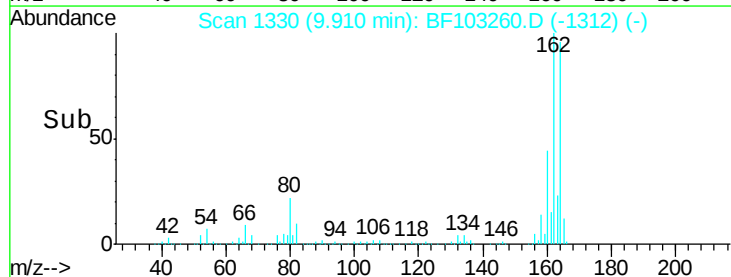
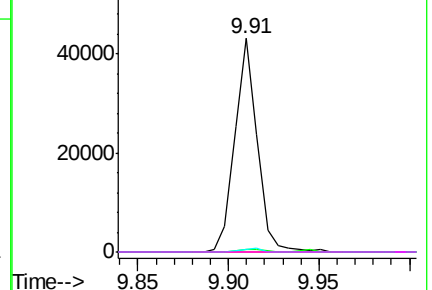


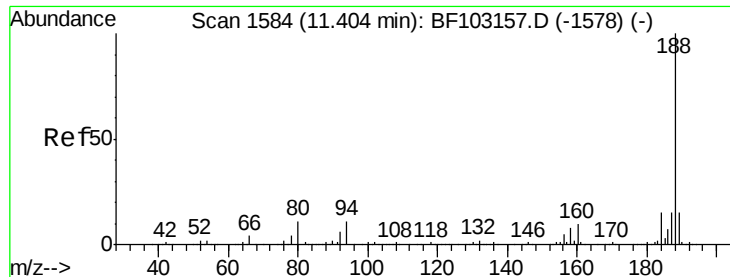
Abundance Ion 165.00 (164.70 to 165.70): E

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# 1584

Delta R.T. -0.00 min

Lab File: BF103260.D

Acq: 27 Feb 2018 14:02

Instrument :

BNA_F

ClientSampleId :

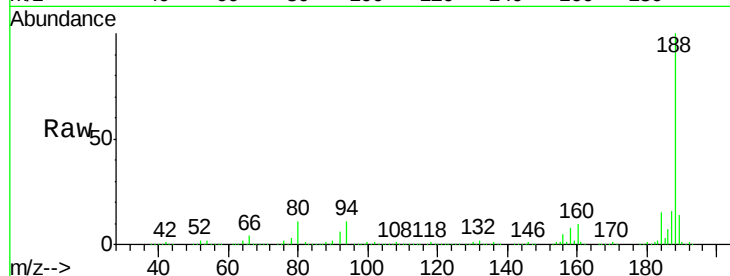
Tot Ion:188 Resp: 476129

Ion Ratio Lower Upper

188 100

94 10.7 8.5 12.7

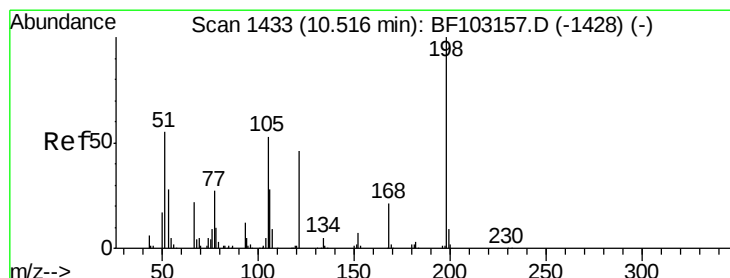
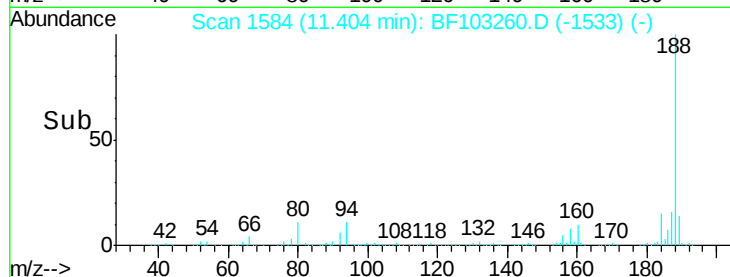
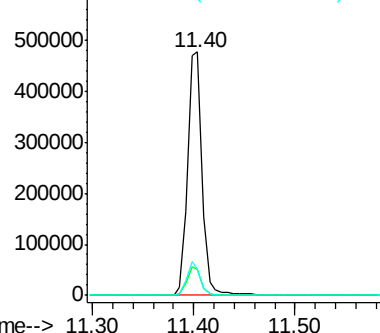
80 10.8 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 5.090 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.19 min

Lab File: BF103260.D

Acq: 27 Feb 2018 14:02

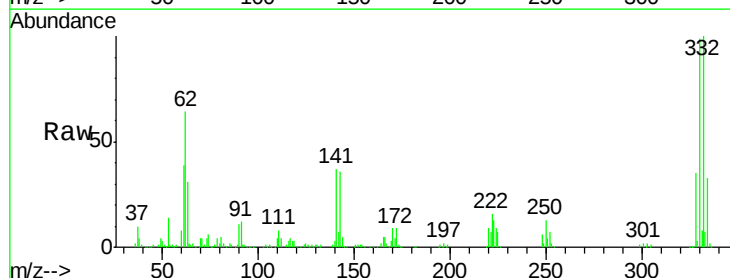
Tgt Ion:198 Resp: 466

Ion Ratio Lower Upper

198 100

51 248.0 37.7 77.7#

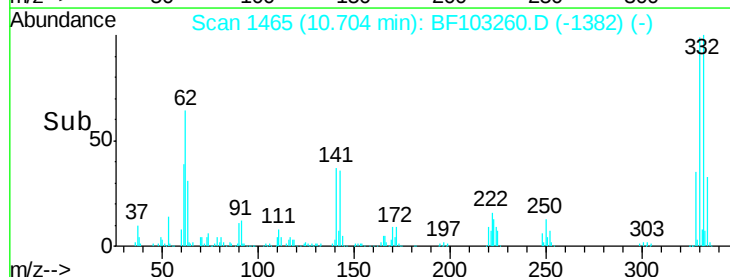
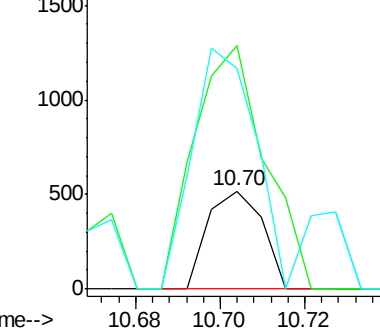
105 224.3 36.3 76.3#

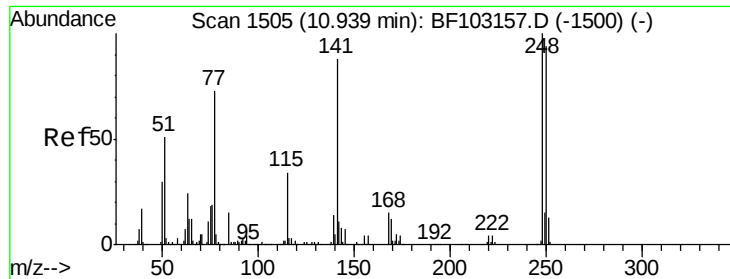


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

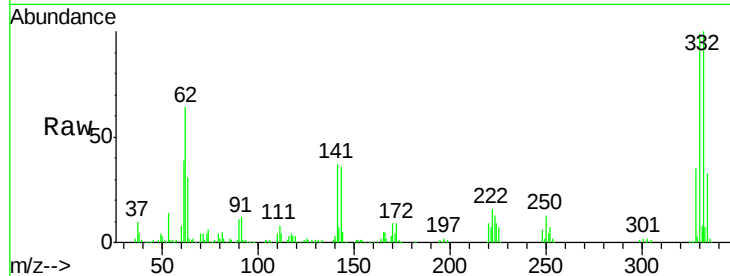




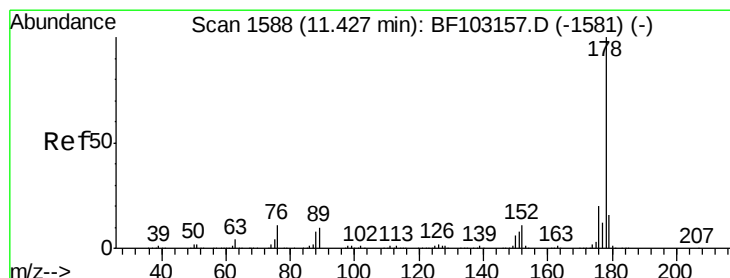
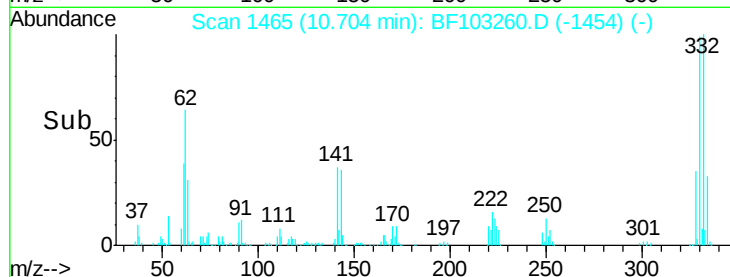
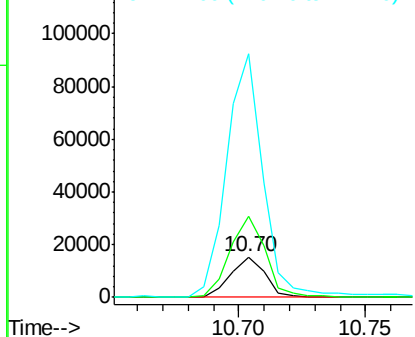
#66
4-Bromophenyl-phenylether
Concen: 2.956 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.24 min
Lab File: BF103260.D
Acq: 27 Feb 2018 14:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 14663
Ion Ratio Lower Upper
248 100
250 200.5 76.9 115.3#
141 600.4 74.4 111.6#

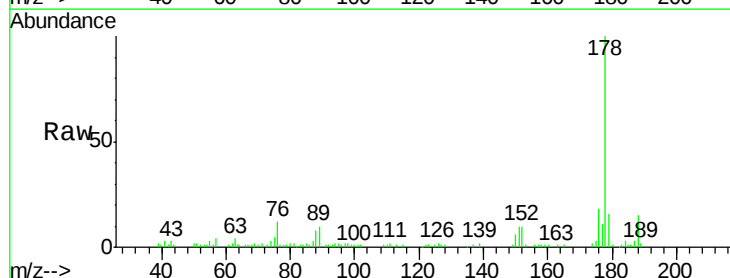


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

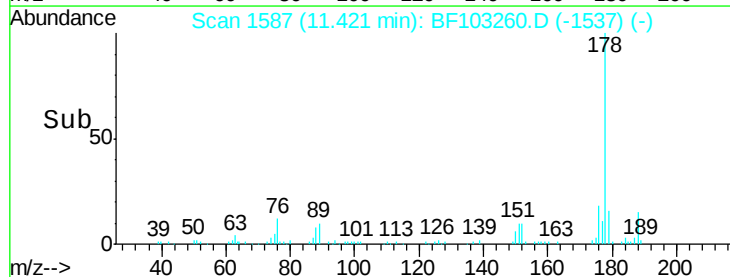
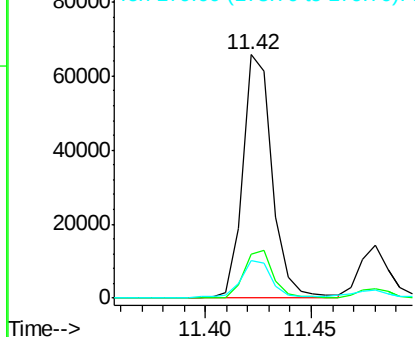


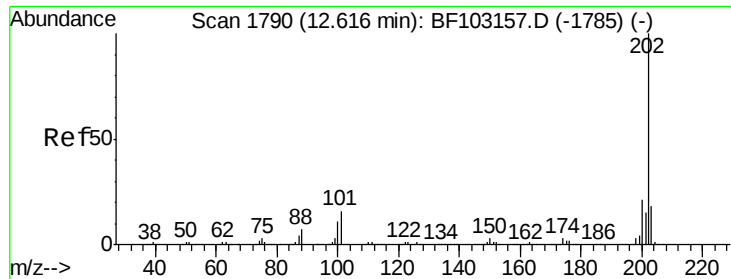
#70
Phenanthrene
Concen: 2.427 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF103260.D
Acq: 27 Feb 2018 14:02

Tgt Ion:178 Resp: 63596
Ion Ratio Lower Upper
178 100
176 17.8 15.8 23.8
179 15.6 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: 4.191 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.00 min

Lab File: BF103260.D

Acq: 27 Feb 2018 14:02

Instrument :

BNA_F

ClientSampleId :

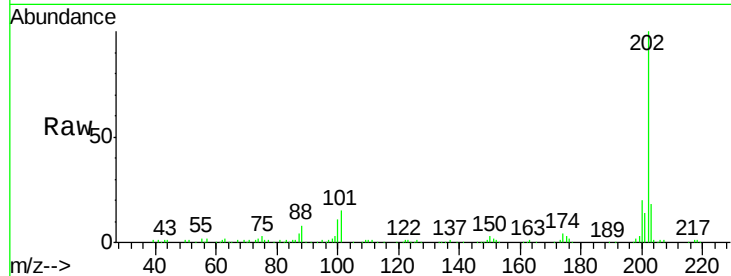
Tot Ion:202 Resp: 110340

Ion Ratio Lower Upper

202 100

101 15.3 0.0 34.1

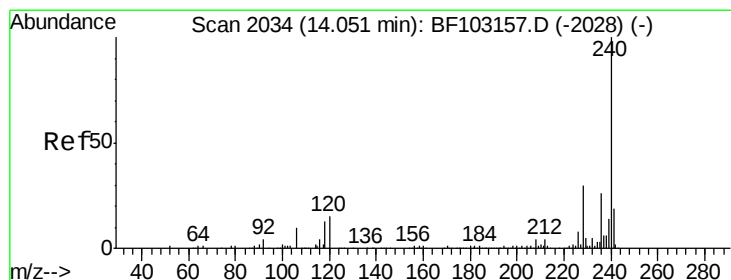
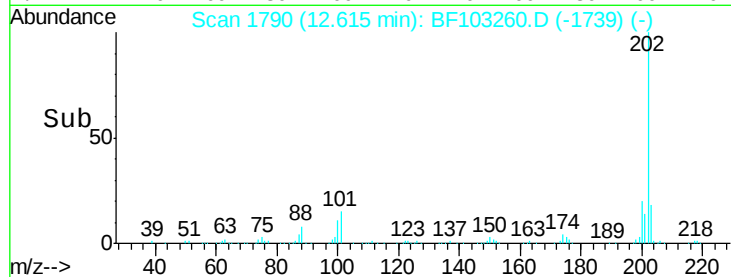
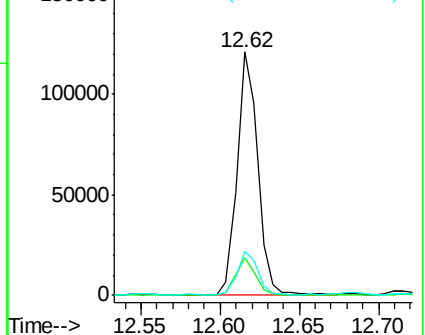
203 17.8 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF103260.D

Acq: 27 Feb 2018 14:02

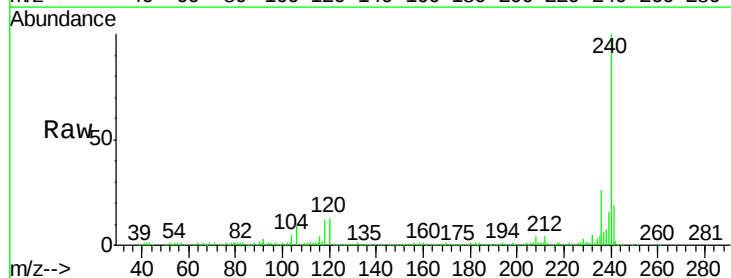
Tgt Ion:240 Resp: 311896

Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

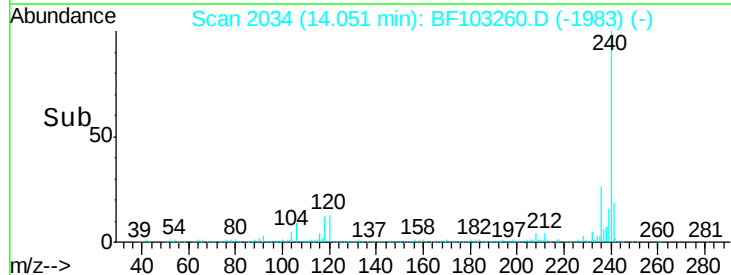
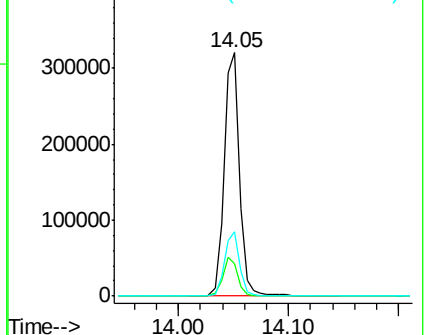
236 26.4 20.7 31.1

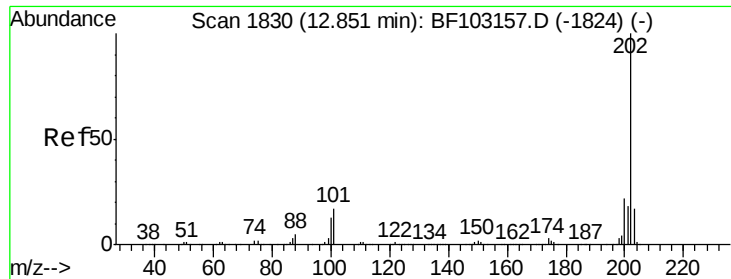


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.544 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF103260.D

Acq: 27 Feb 2018 14:02

Instrument :

BNA_F

ClientSampled :

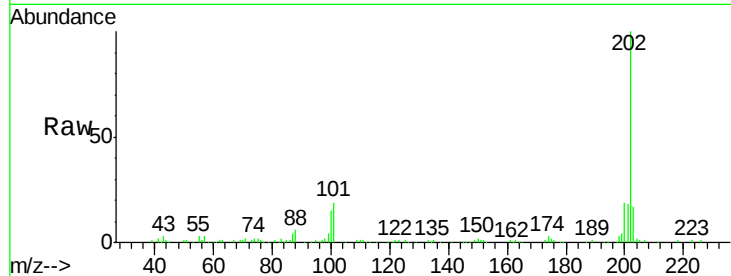
Tot Ion:202 Resp: 110486

Ion Ratio Lower Upper

202 100

200 19.4 17.4 26.2

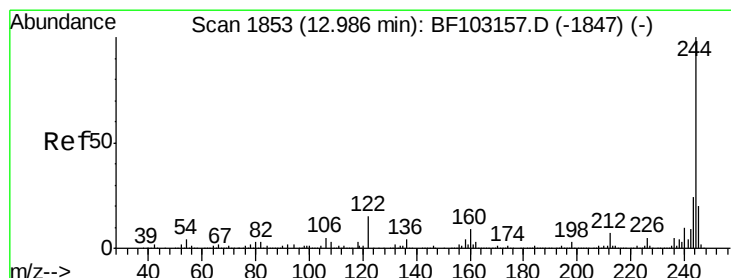
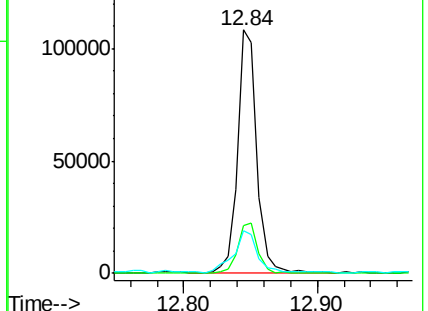
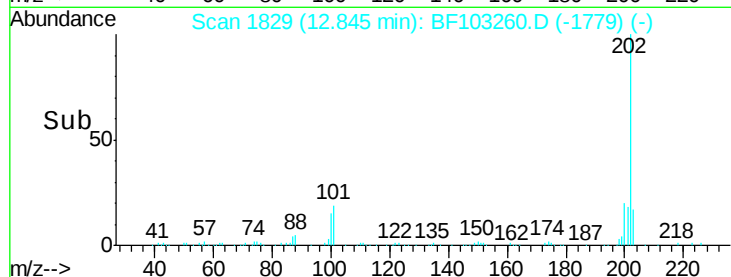
203 17.4 14.3 21.5



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: 63.035 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.00 min

Lab File: BF103260.D

Acq: 27 Feb 2018 14:02

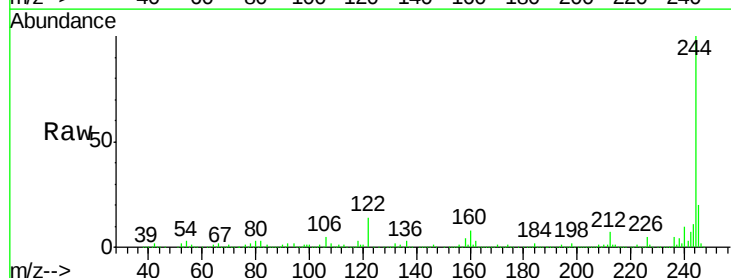
Tgt Ion:244 Resp: 817862

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

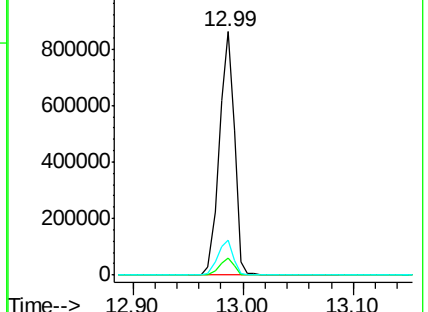
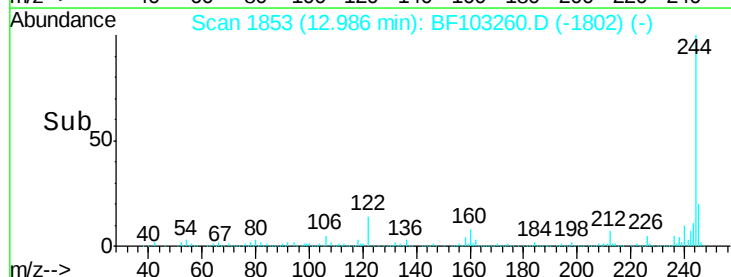
122 14.2 11.0 16.4

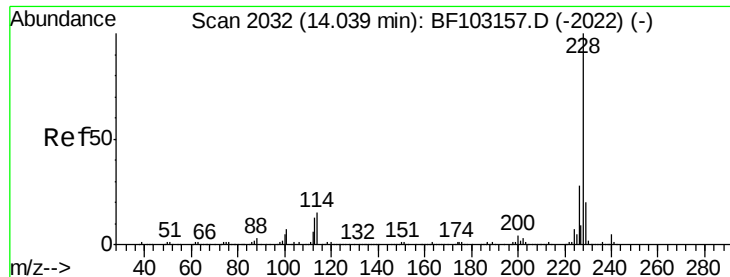


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.248 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BF103260.D

Acq: 27 Feb 2018 14:02

Instrument :

BNA_F

ClientSampleId :

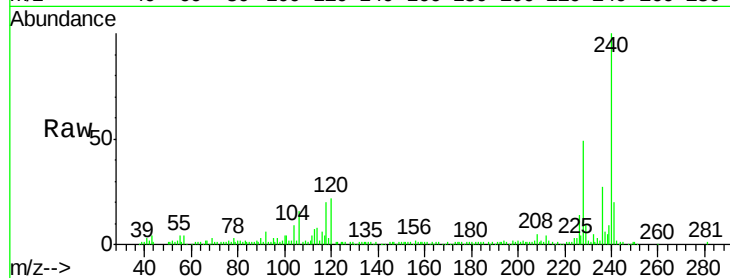
Tot Ion:228 Resp: 45498

Ion Ratio Lower Upper

228 100

226 29.1 22.6 33.8

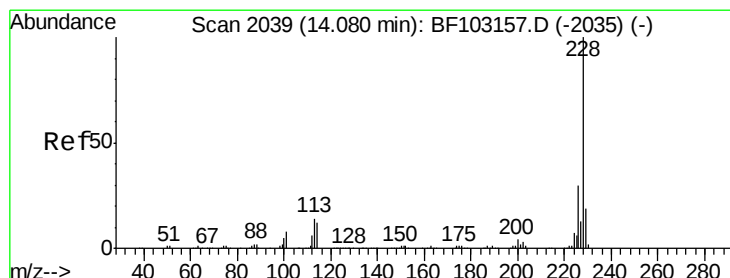
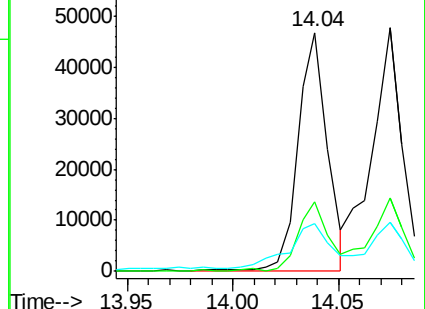
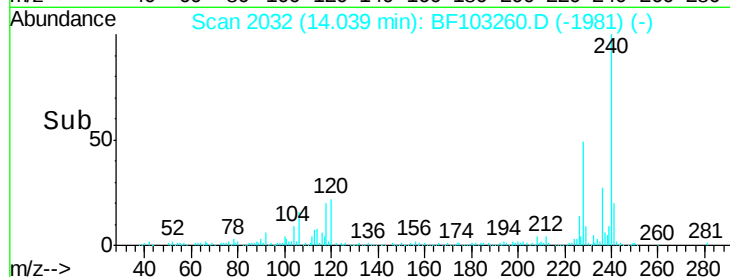
229 20.0 15.8 23.6



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: 2.277 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF103260.D

Acq: 27 Feb 2018 14:02

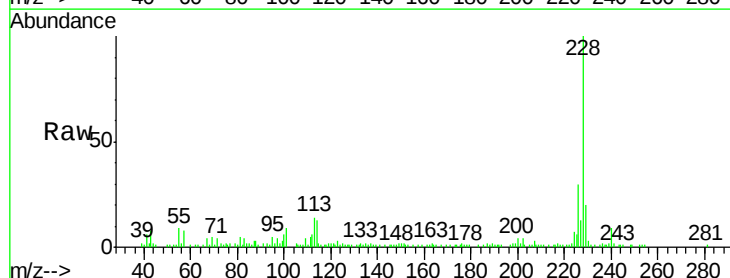
Tgt Ion:228 Resp: 44737

Ion Ratio Lower Upper

228 100

226 29.9 25.0 37.6

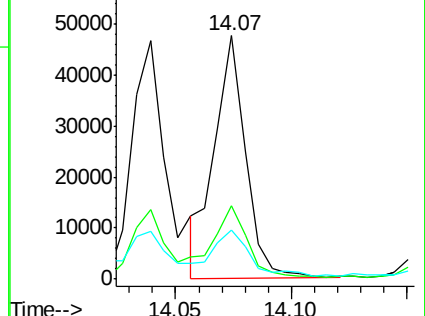
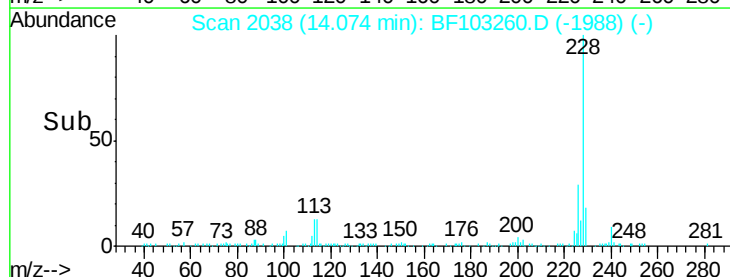
229 19.9 16.2 24.4

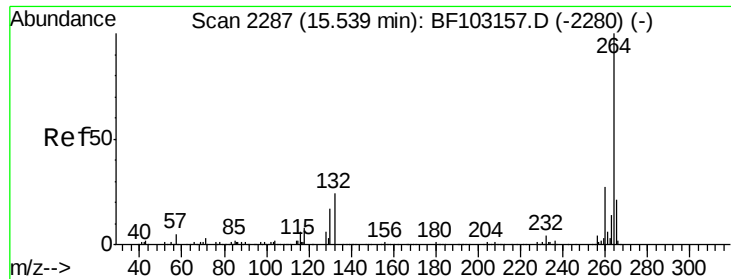


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

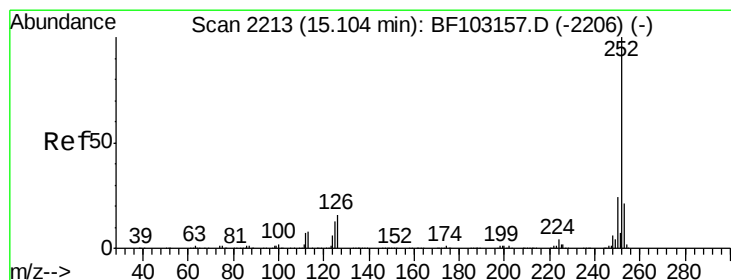
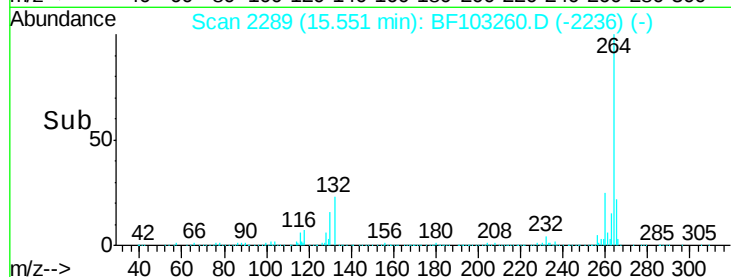
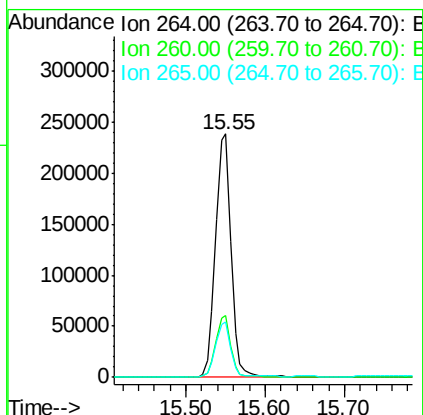
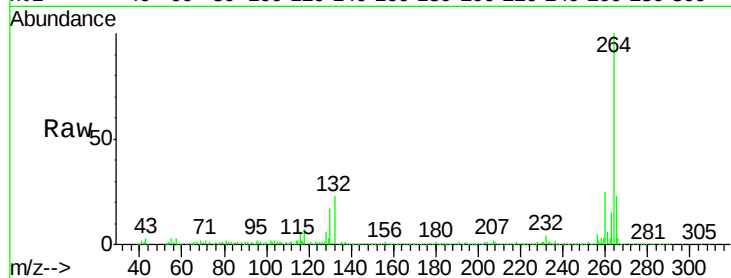




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. 0.01 min
Lab File: BF103260.D
Acq: 27 Feb 2018 14:02

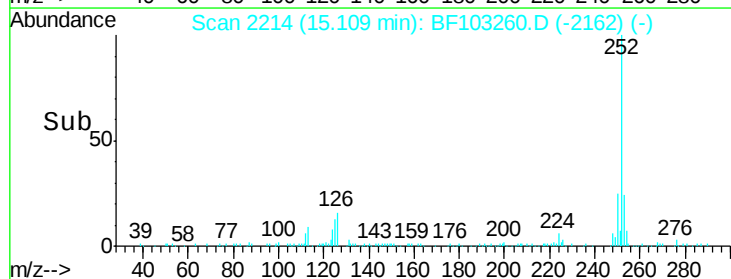
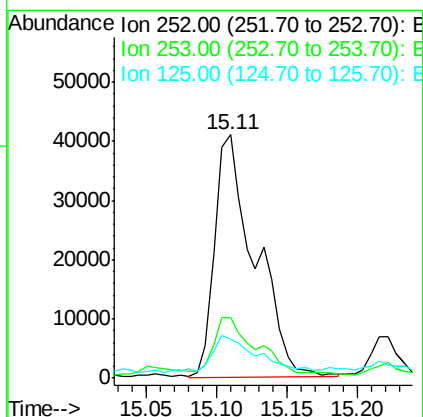
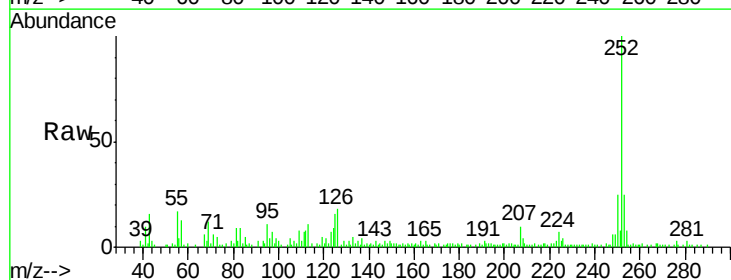
Instrument :
BNA_F
ClientSampleId :

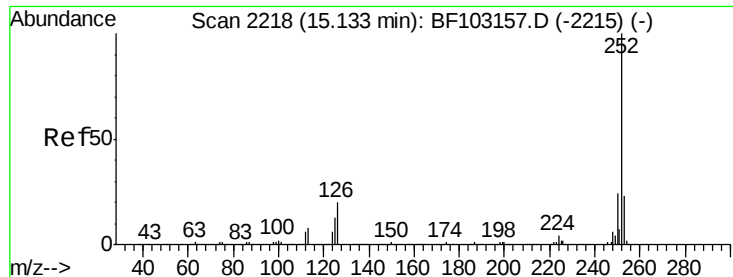
Tot Ion:264 Resp: 328399
Ion Ratio Lower Upper
264 100
260 25.2 19.2 28.8
265 22.6 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 3.795 ng
RT: 15.11 min Scan# 2214
Delta R.T. 0.01 min
Lab File: BF103260.D
Acq: 27 Feb 2018 14:02

Tgt Ion:252 Resp: 81940
Ion Ratio Lower Upper
252 100
253 24.9 17.0 25.6
125 16.1 9.0 13.6#

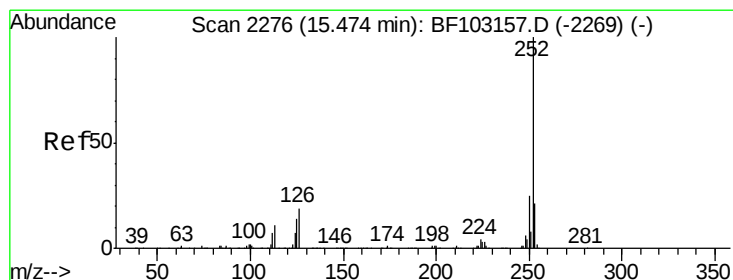
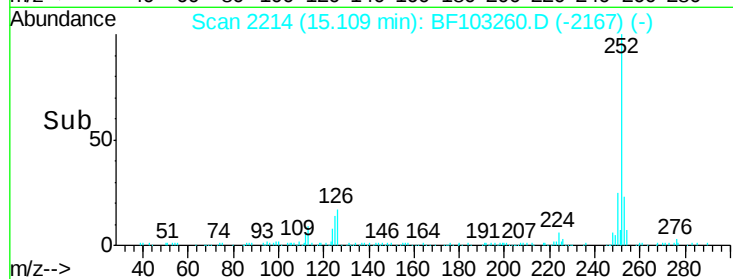
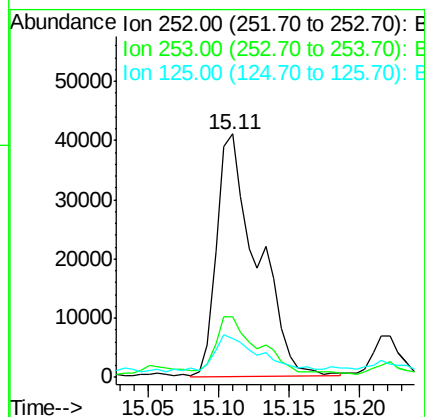
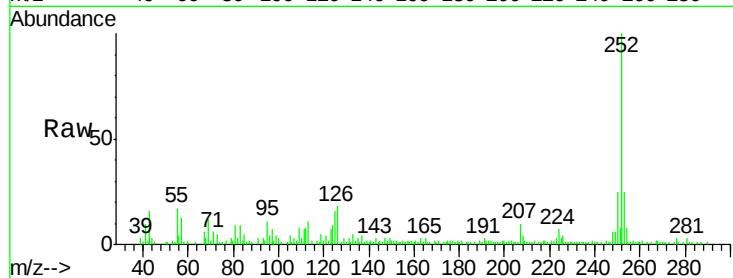




#88
Benzo(k)fluoranthene
Concen: 4.030 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.02 min
Lab File: BF103260.D
Acq: 27 Feb 2018 14:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.9	26.9
125	16.1	10.2	15.2



#89
Benzo(a)pyrene
Concen: 2.325 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BF103260.D
Acq: 27 Feb 2018 14:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.1	25.7
125	18.6	9.8	14.6

