

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF022718\
 Data File : BF103267.D
 Acq On : 27 Feb 2018 17:08
 Operator : SJ/JU
 Sample : J1698-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B2

Quant Time: Feb 27 17:40:03 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	145716	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	614279	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	256505	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	382058	20.00	ng	0.00
75) Chrysene-d12	14.06	240	250080	20.00	ng	0.00
86) Perylene-d12	15.56	264	218506	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	943527	97.93	ng	0.00
7) Phenol-d6	6.51	99	1133440	96.14	ng	0.00
23) Nitrobenzene-d5	7.44	82	709426	65.95	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	197272	90.86	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1062599	68.00	ng	0.00
78) Terphenyl-d14	12.99	244	703908	67.66	ng	0.00

Target Compounds

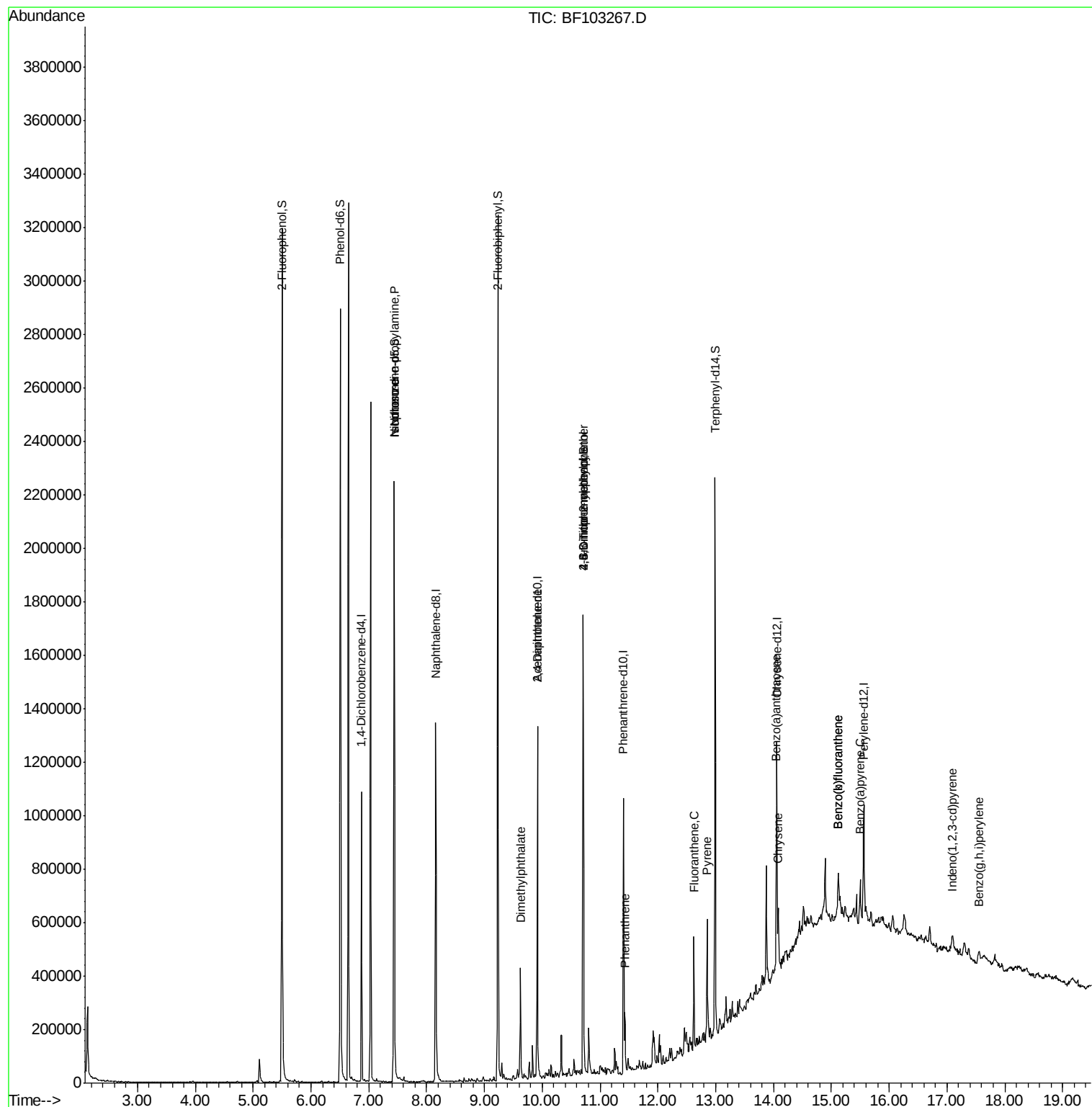
						Qvalue
9) Benzaldehyde	6.51	77	1523	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.44	70	95810	13.058 ng	#	80
25) Isophorone	7.44	82	709420	33.487 ng	#	64
49) Dimethylphthalate	9.62	163	148615	7.222 ng		99
56) 2,4-Dinitrotoluene	9.92	165	33953	6.217 ng	#	23
64) 4,6-Dinitro-2-methylphenol	10.70	198	300	5.061 ng	#	1
66) 4-Bromophenyl-phenylether	10.71	248	13124	3.298 ng	#	1
70) Phenanthrene	11.43	178	73740	3.507 ng		98
74) Fluoranthene	12.62	202	153060	7.244 ng		97
77) Pyrene	12.86	202	180444	9.255 ng		99
80) Benzo(a)anthracene	14.04	228	85888	5.293 ng		97
82) Chrysene	14.08	228	88450	5.614 ng		95
85) Indeno(1,2,3-cd)pyrene	17.09	276	35980	2.885 ng		99
87) Benzo(b)fluoranthene	15.12	252	127664	8.886 ng	#	82
88) Benzo(k)fluoranthene	15.12	252	127664	9.437 ng	#	85
89) Benzo(a)pyrene	15.50	252	69963	5.453 ng	#	85
91) Benzo(g,h,i)perylene	17.55	276	34026	3.512 ng	#	90

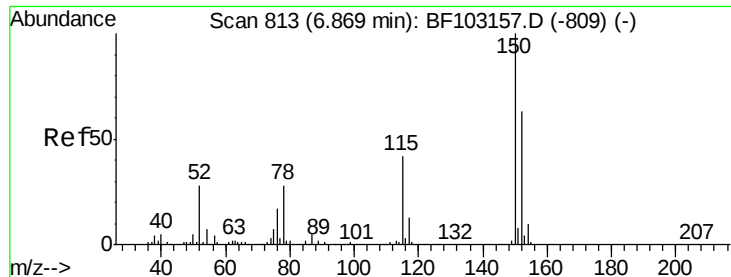
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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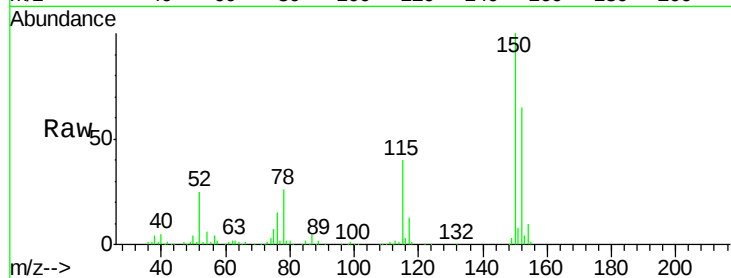


#1

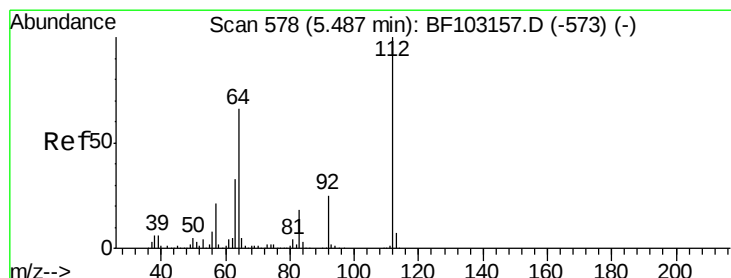
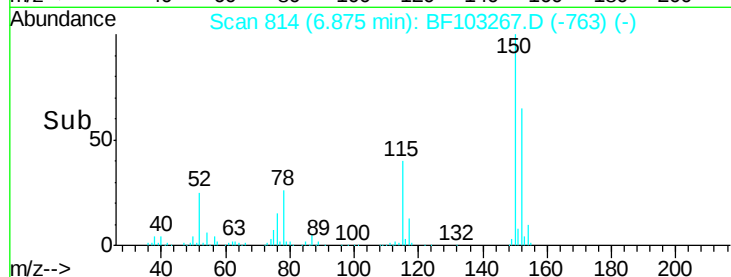
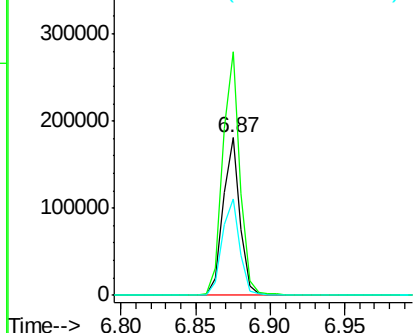
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF103267.D
Acq: 27 Feb 2018 17:08

Instrument :
BNA_F
ClientSampleId :
B2

Tgt Ion:152 Resp: 145716
Ion Ratio Lower Upper
152 100
150 154.6 124.6 186.8
115 61.3 50.1 75.1



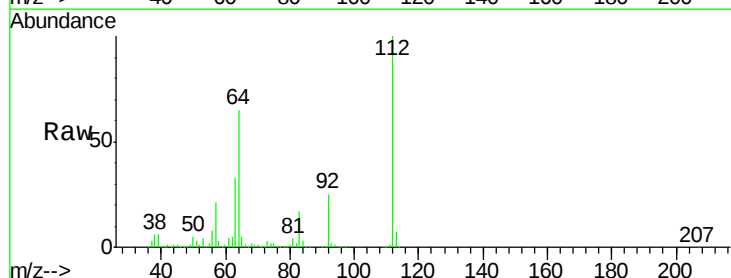
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



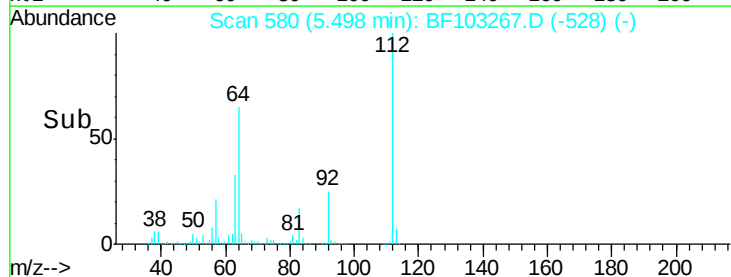
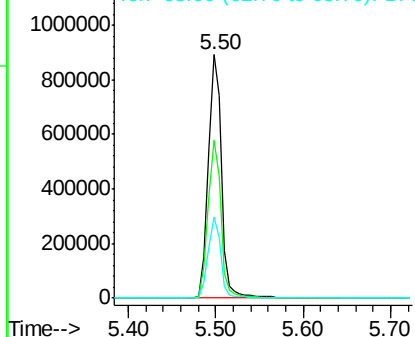
#5

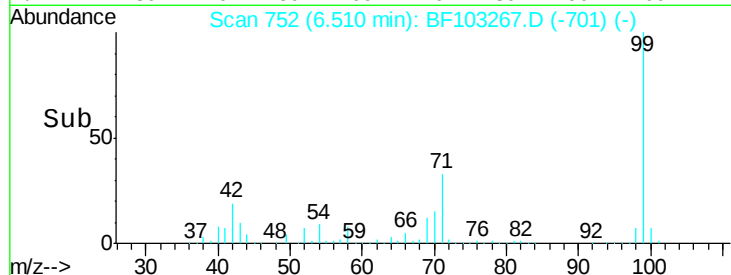
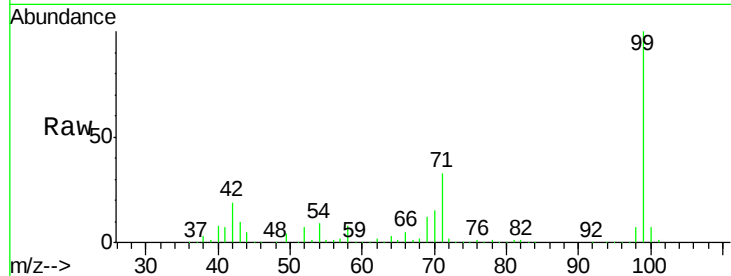
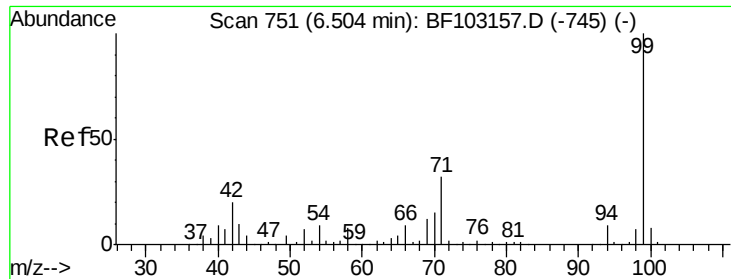
2-Fluorophenol
Concen: 97.931 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103267.D
Acq: 27 Feb 2018 17:08

Tgt Ion:112 Resp: 943527
Ion Ratio Lower Upper
112 100
64 64.8 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: 96.141 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF103267.D

Acq: 27 Feb 2018 17:08

Instrument :

BNA_F

ClientSampleId :

B2

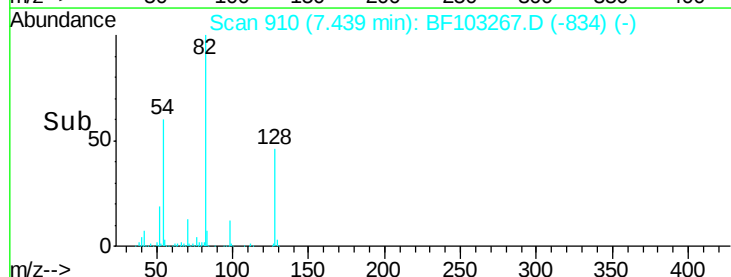
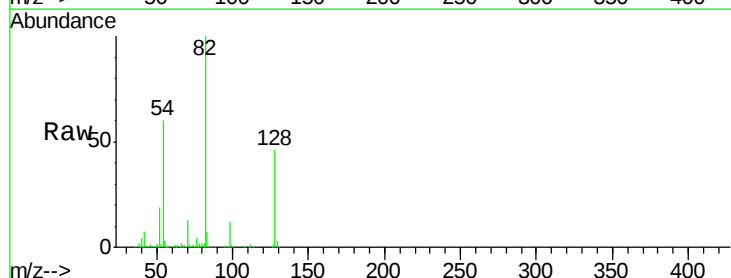
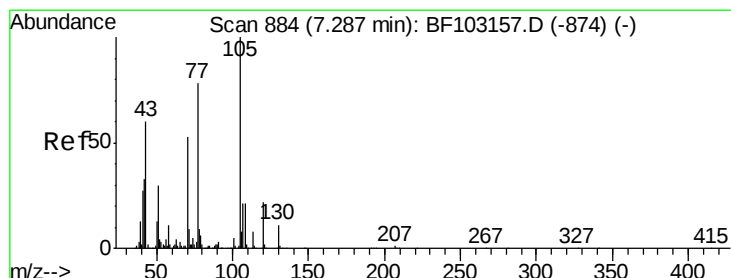
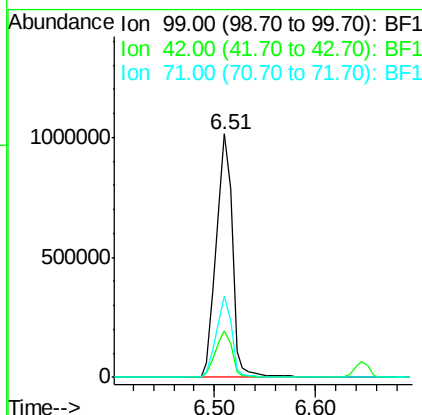
Tgt Ion: 99 Resp: 1133440

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

71 33.3 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.058 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103267.D

Acq: 27 Feb 2018 17:08

Tgt Ion: 70 Resp: 95810

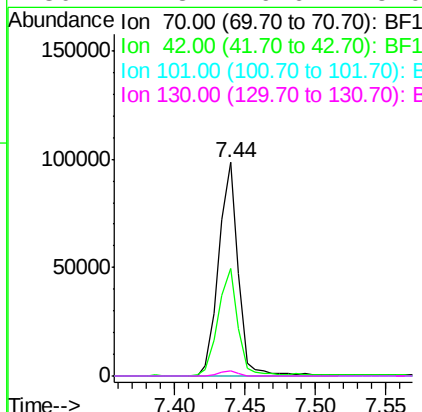
Ion Ratio Lower Upper

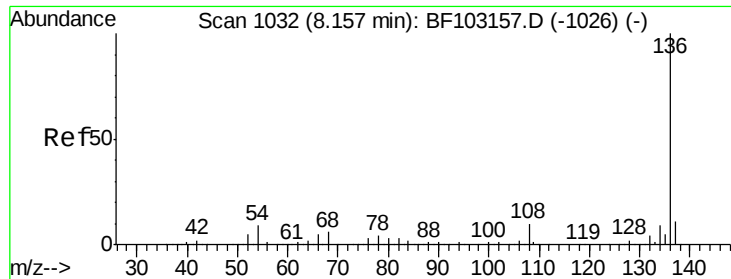
70 100

42 50.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

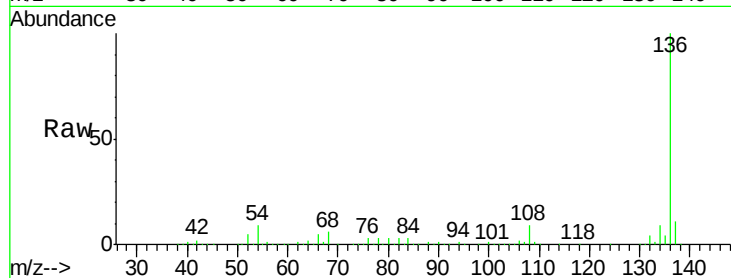




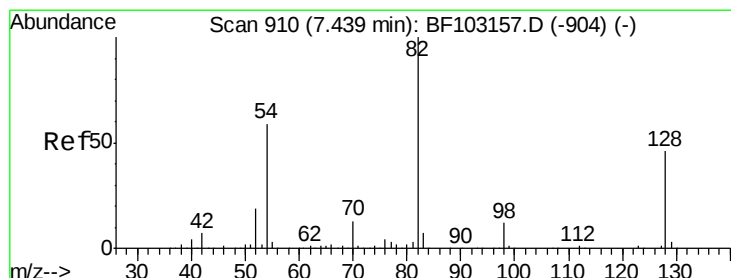
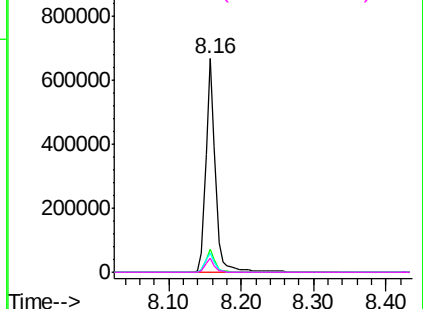
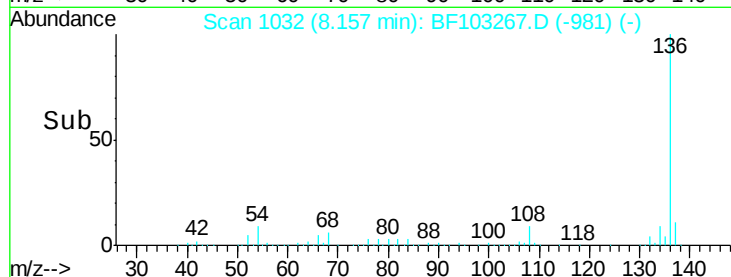
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF103267.D
Acq: 27 Feb 2018 17:08

Instrument :
BNA_F
ClientSampled :
B2

Tgt Ion:	136	Resp:	614279
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.2	6.6	9.8
68	6.5	5.0	7.4

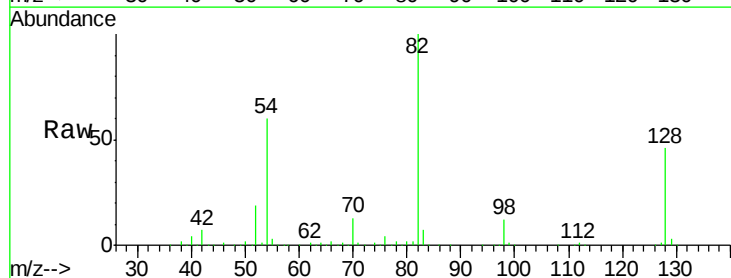


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

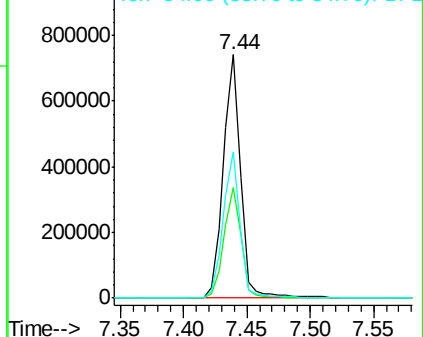
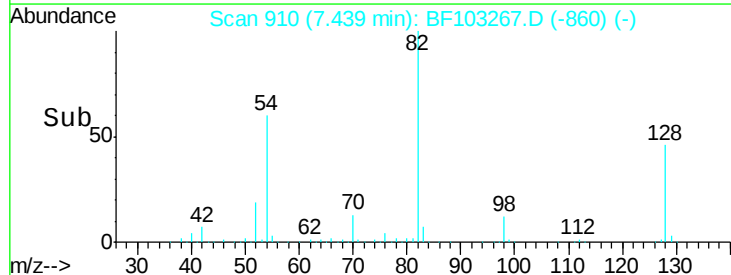


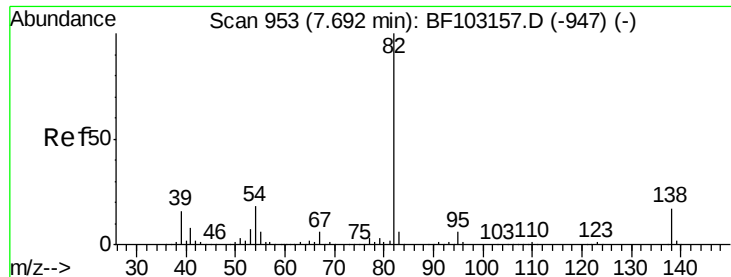
#23
Nitrobenzene-d5
Concen: 65.954 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103267.D
Acq: 27 Feb 2018 17:08

Tgt Ion:	82	Resp:	709426
Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.1	54.1
54	59.9	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: 33.487 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103267.D

Acq: 27 Feb 2018 17:08

Instrument :

BNA_F

ClientSampleId :

B2

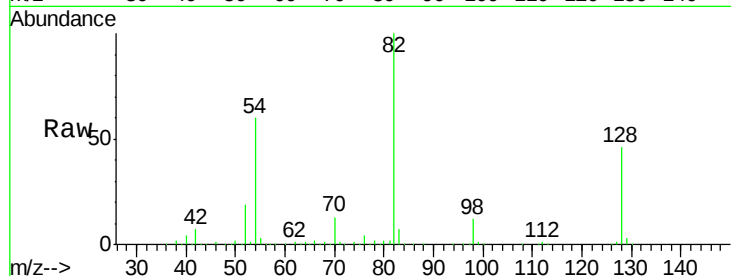
Tgt Ion: 82 Resp: 709420

Ion Ratio Lower Upper

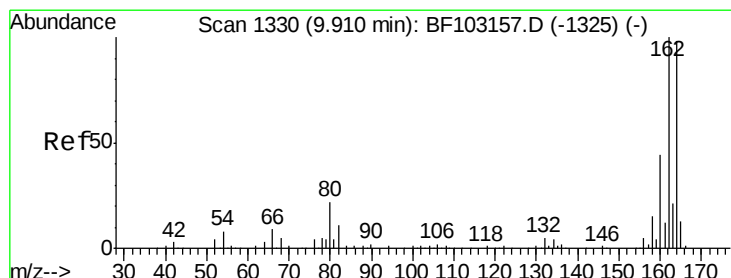
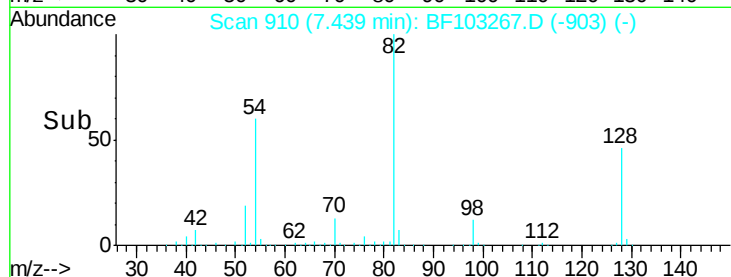
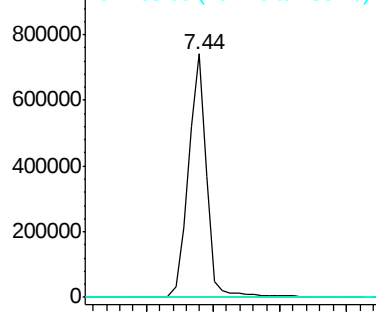
82 100

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: 9.92 min Scan# 1331

Delta R.T. 0.00 min

Lab File: BF103267.D

Acq: 27 Feb 2018 17:08

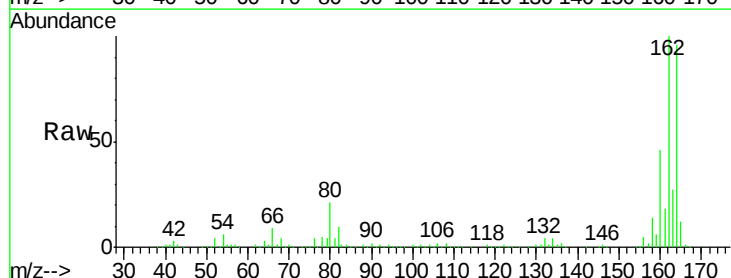
Tgt Ion: 164 Resp: 256505

Ion Ratio Lower Upper

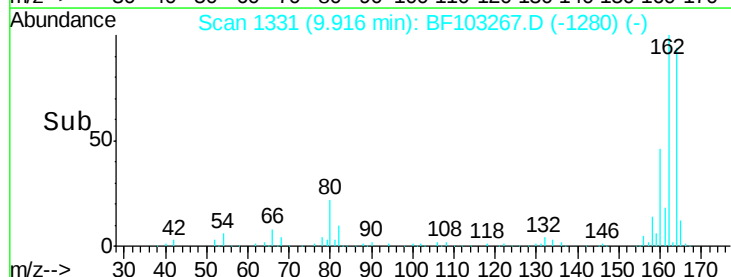
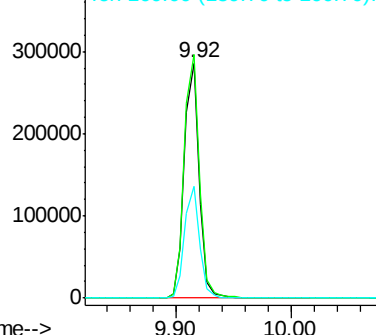
164 100

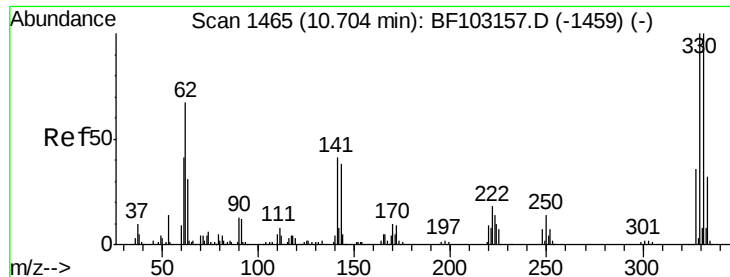
162 103.7 86.1 129.1

160 47.4 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

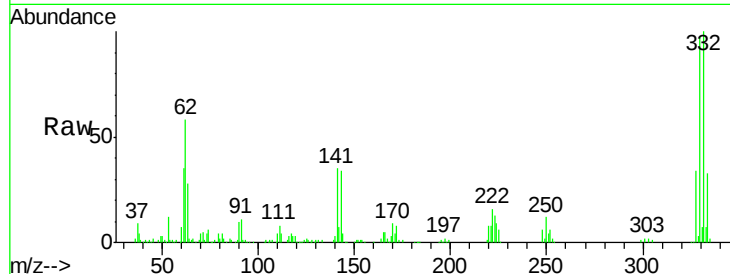




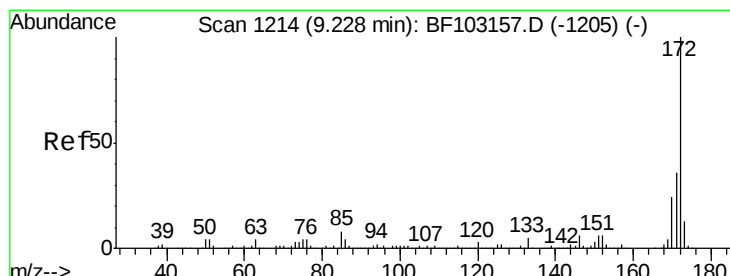
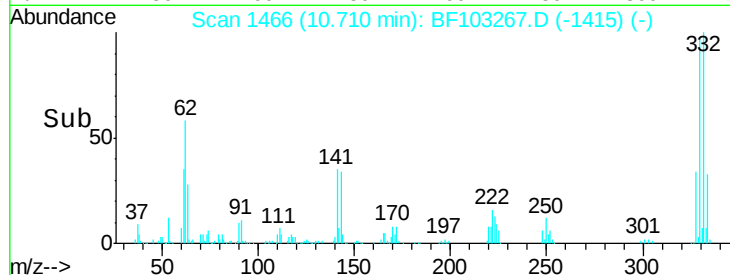
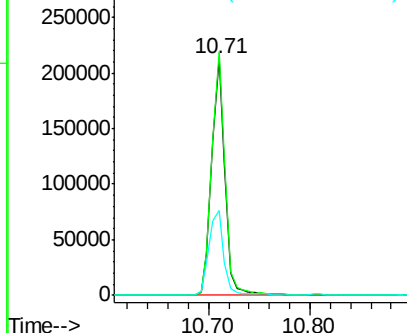
#41
 2,4,6-Tribromophenol
 Concen: 90.860 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF103267.D
 Acq: 27 Feb 2018 17:08

Instrument :
 BNA_F
 ClientSampled :
 B2

Tgt Ion:330 Resp: 197272
 Ion Ratio Lower Upper
 330 100
 332 103.1 77.0 115.6
 141 40.1 29.9 44.9

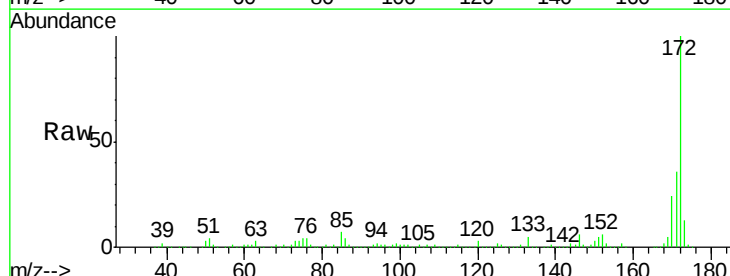


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

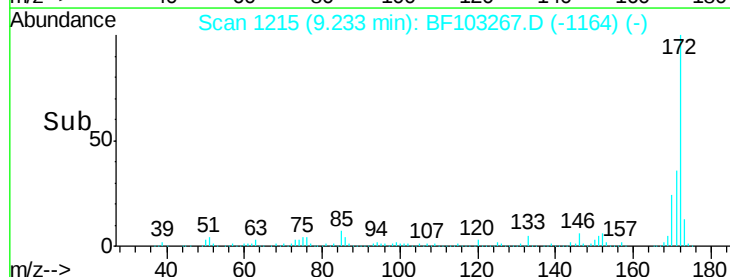
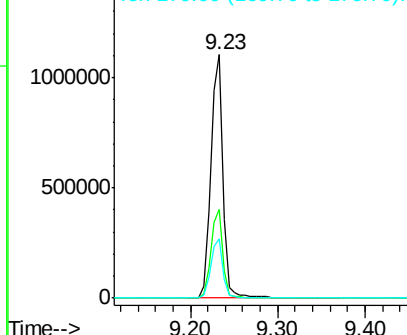


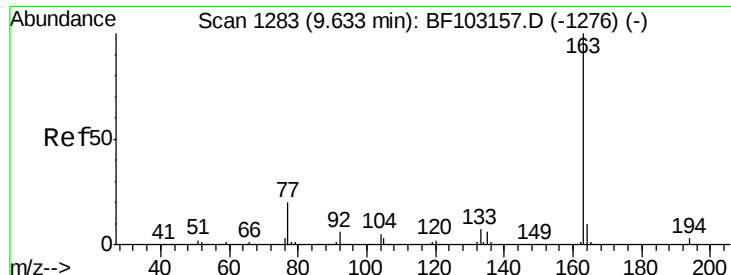
#44
 2-Fluorobiphenyl
 Concen: 68.000 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. 0.00 min
 Lab File: BF103267.D
 Acq: 27 Feb 2018 17:08

Tgt Ion:172 Resp: 1062599
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.7 44.5
 170 24.2 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

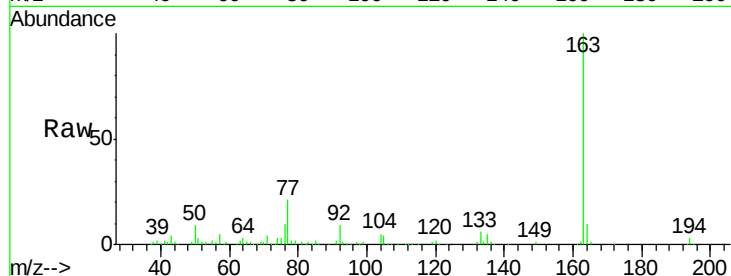




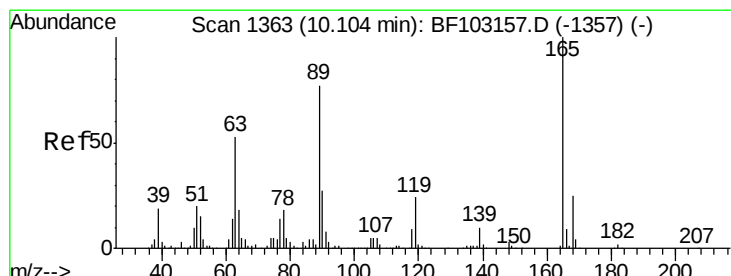
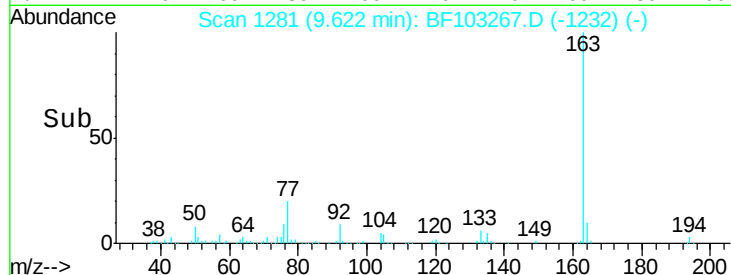
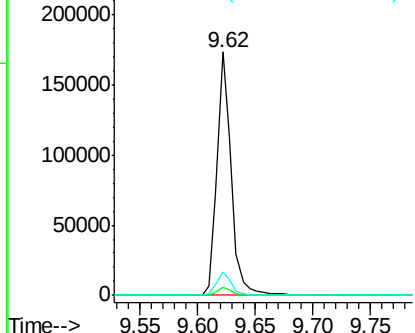
#49
Dimethylphthalate
Concen: 7.222 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103267.D
Acq: 27 Feb 2018 17:08

Instrument :
BNA_F
ClientSampleId :
B2

Tgt Ion:163 Resp: 148615
Ion Ratio Lower Upper
163 100
194 3.2 2.7 4.1
164 9.7 8.2 12.2

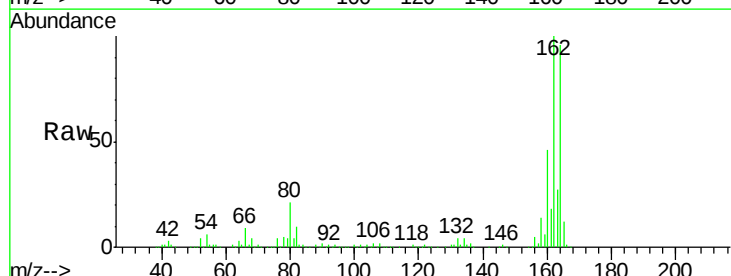


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

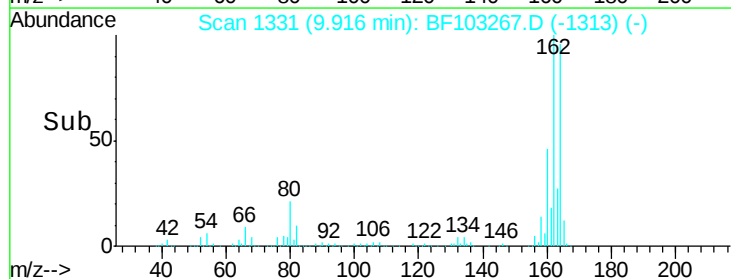
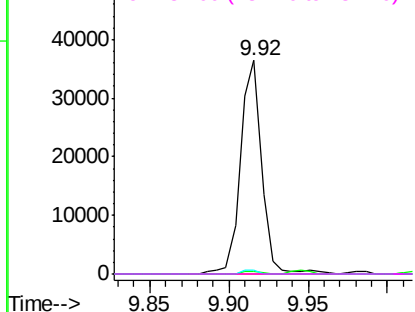


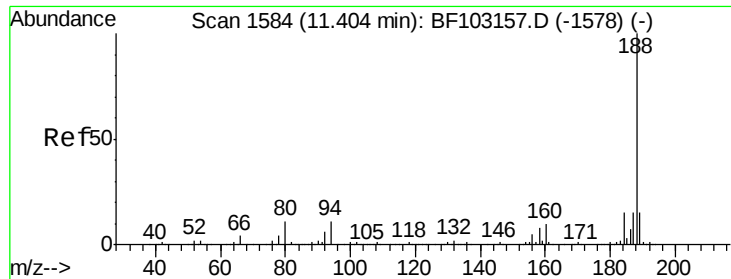
#56
2,4-Dinitrotoluene
Concen: 6.217 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF103267.D
Acq: 27 Feb 2018 17:08

Tgt Ion:165 Resp: 33953
Ion Ratio Lower Upper
165 100
63 1.4 36.4 54.6#
89 1.5 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

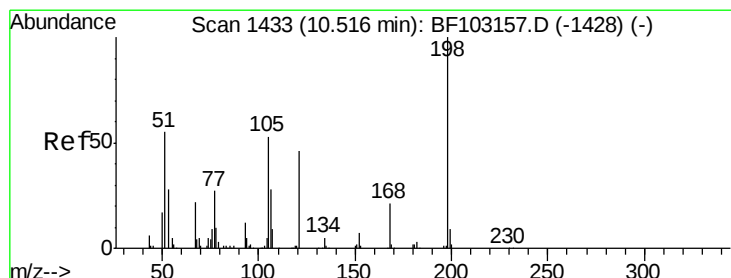
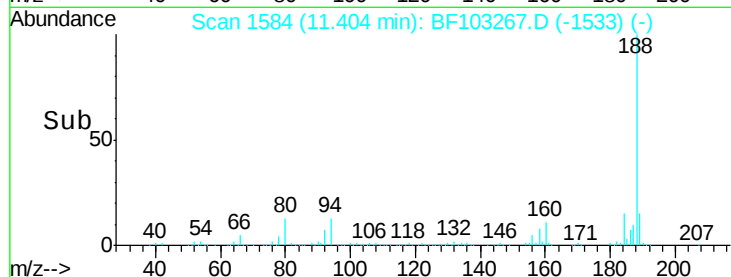
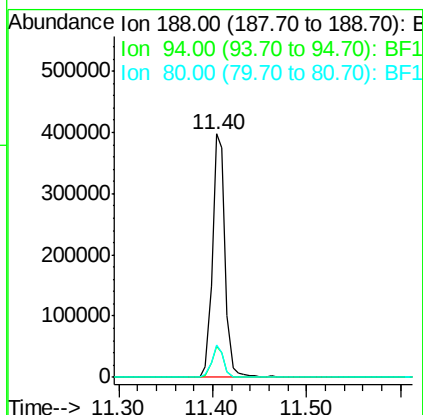
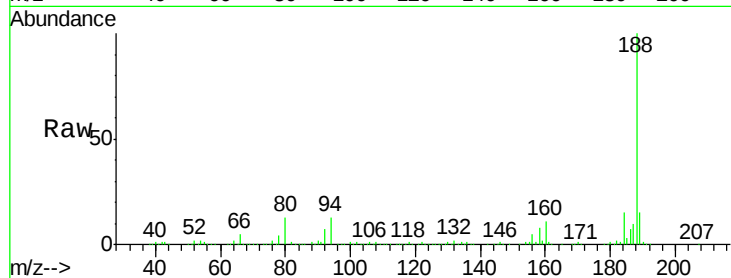




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: BF103267.D
 Acq: 27 Feb 2018 17:08

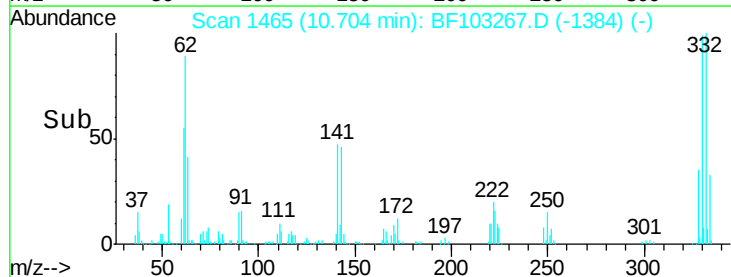
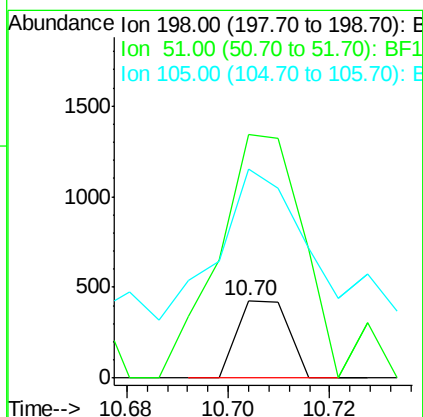
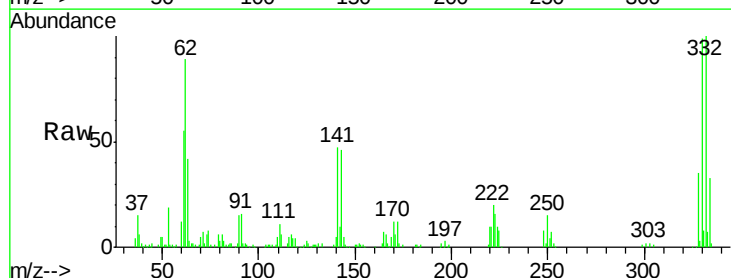
Instrument :
 BNA_F
 ClientSampled :
 B2

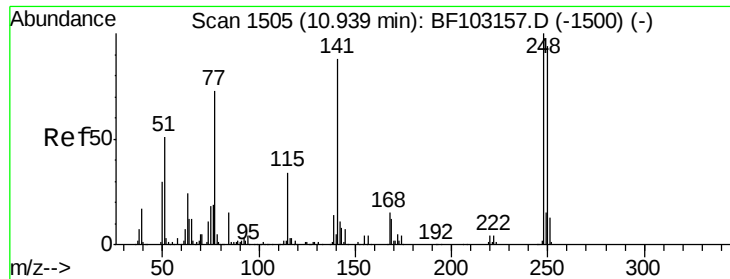
Tgt Ion:188 Resp: 382058
 Ion Ratio Lower Upper
 188 100
 94 12.9 8.5 12.7#
 80 13.5 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.061 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.18 min
 Lab File: BF103267.D
 Acq: 27 Feb 2018 17:08

Tgt Ion:198 Resp: 300
 Ion Ratio Lower Upper
 198 100
 51 314.3 37.7 77.7#
 105 270.3 36.3 76.3#

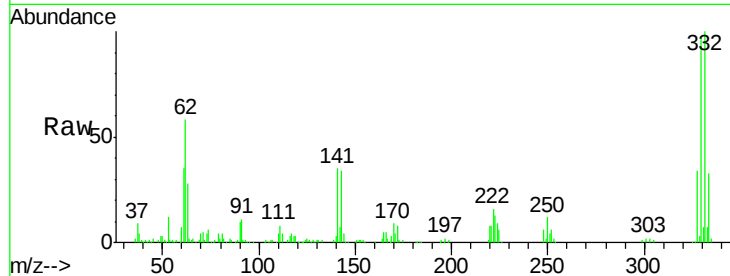




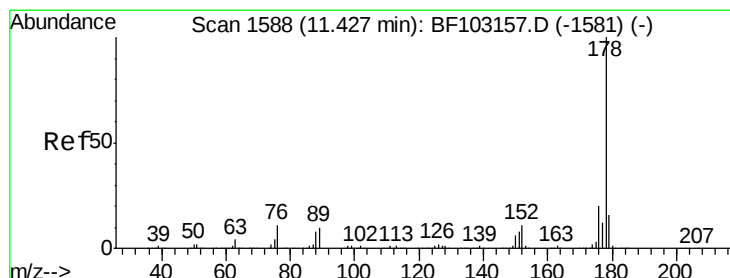
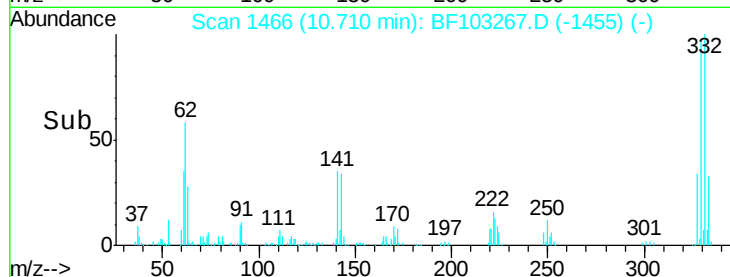
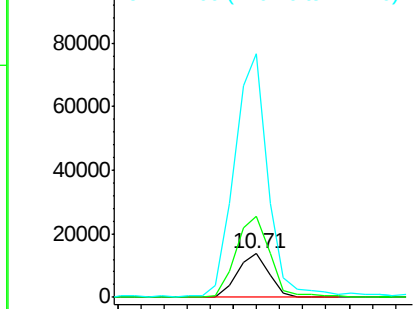
#66
 4-Bromophenyl-phenylether
 Concen: 3.298 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.24 min
 Lab File: BF103267.D
 Acq: 27 Feb 2018 17:08

Instrument :
 BNA_F
 ClientSampled :
 B2

Tgt Ion:248 Resp: 13124
 Ion Ratio Lower Upper
 248 100
 250 187.7 76.9 115.3#
 141 560.5 74.4 111.6#

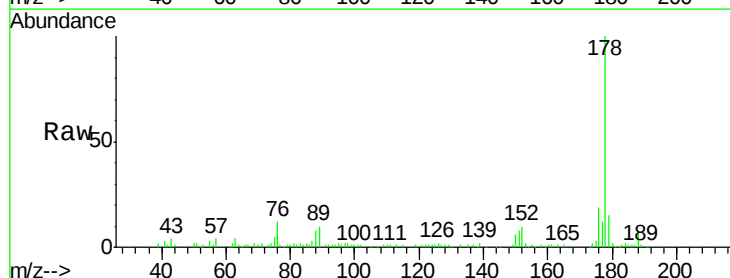


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

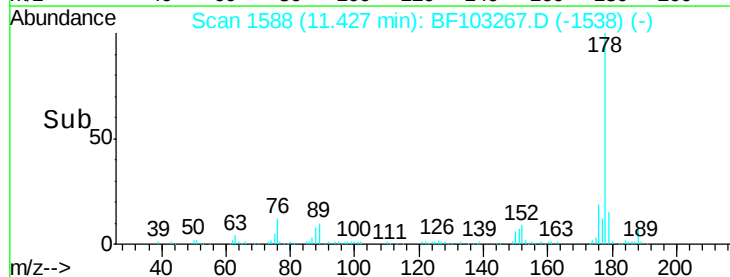
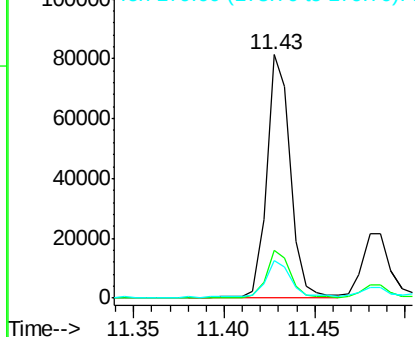


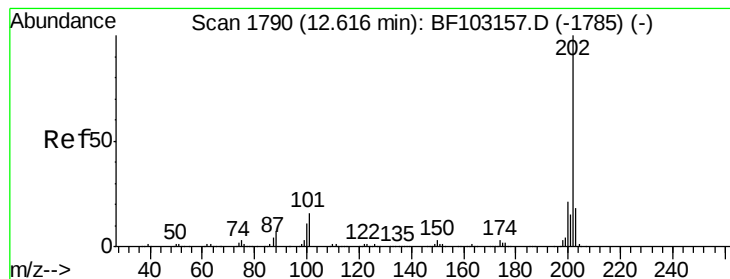
#70
 Phenanthrene
 Concen: 3.507 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: BF103267.D
 Acq: 27 Feb 2018 17:08

Tgt Ion:178 Resp: 73740
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.8 23.8
 179 15.3 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: 7.244 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF103267.D

Acq: 27 Feb 2018 17:08

Instrument :

BNA_F

ClientSampleId :

B2

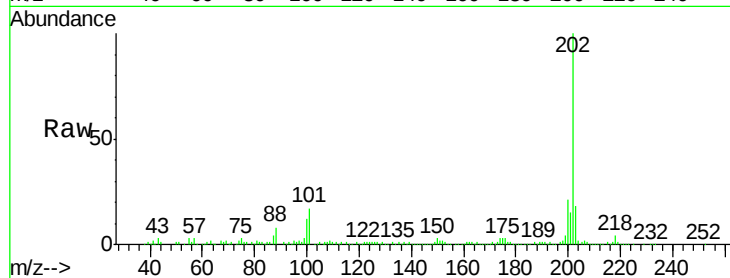
Tgt Ion:202 Resp: 153060

Ion Ratio Lower Upper

202 100

101 16.8 0.0 34.1

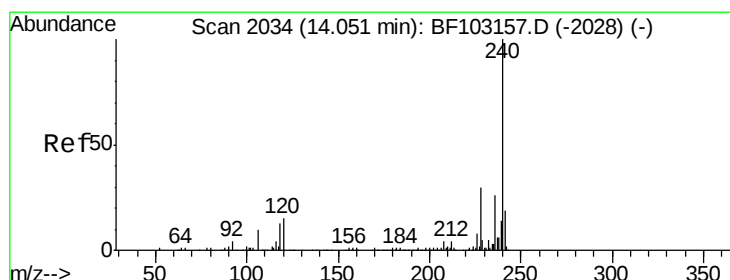
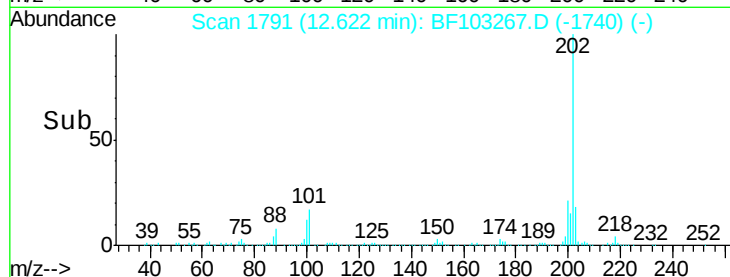
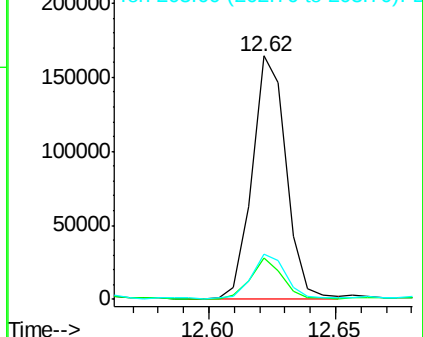
203 18.4 0.0 38.1



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# 2035

Delta R.T. 0.00 min

Lab File: BF103267.D

Acq: 27 Feb 2018 17:08

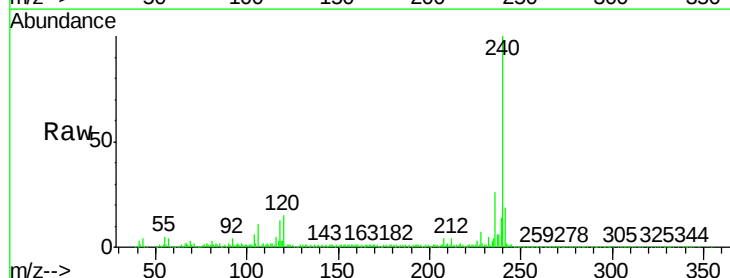
Tgt Ion:240 Resp: 250080

Ion Ratio Lower Upper

240 100

120 14.9 9.5 14.3#

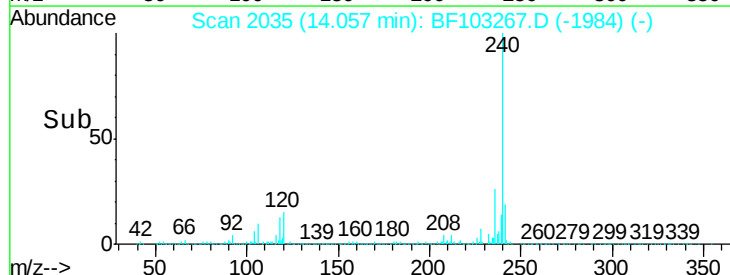
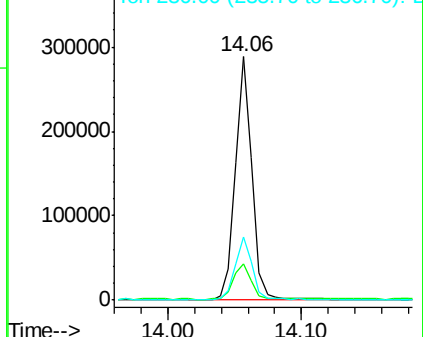
236 25.9 20.7 31.1

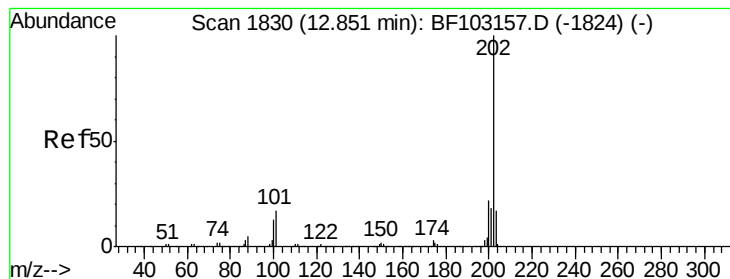


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 9.255 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BF103267.D

Acq: 27 Feb 2018 17:08

Instrument :

BNA_F

ClientSampleId :

B2

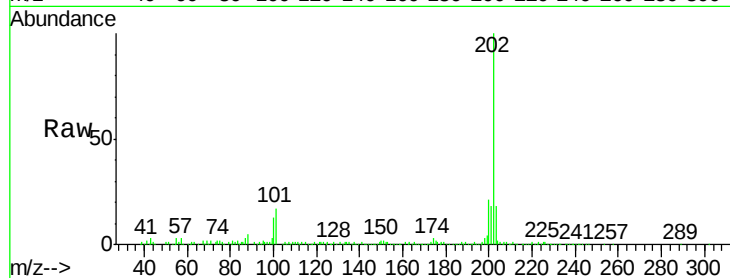
Tgt Ion:202 Resp: 180444

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

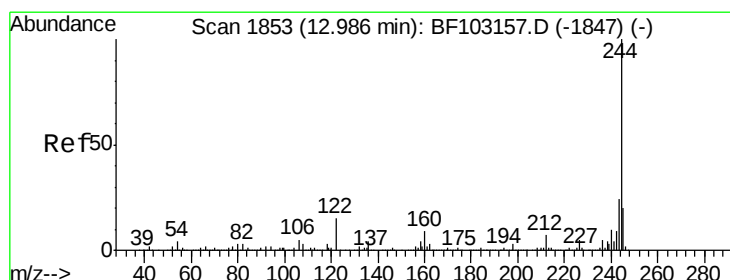
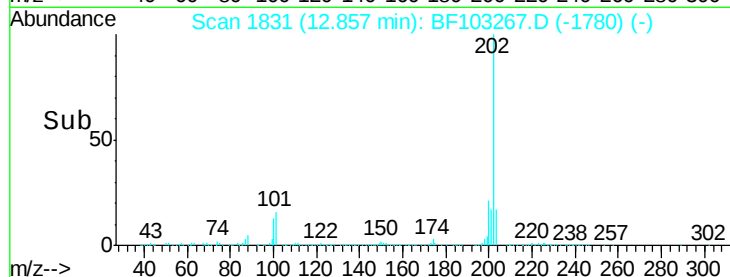
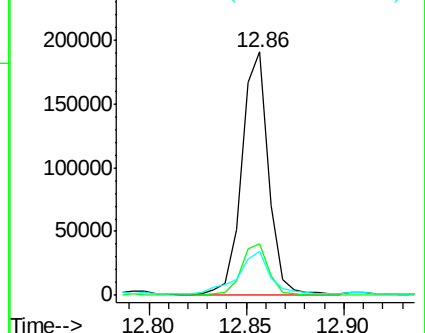
203 18.0 14.3 21.5



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: 67.662 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BF103267.D

Acq: 27 Feb 2018 17:08

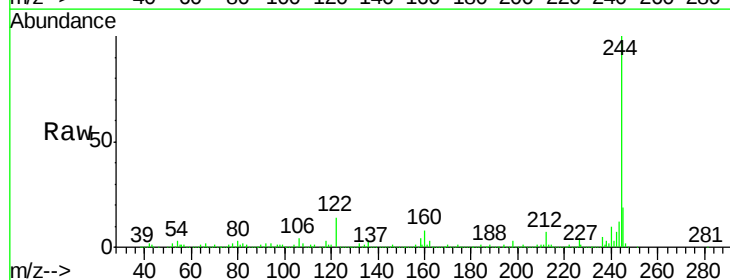
Tgt Ion:244 Resp: 703908

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

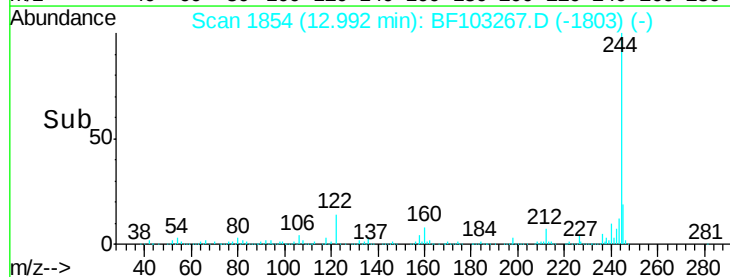
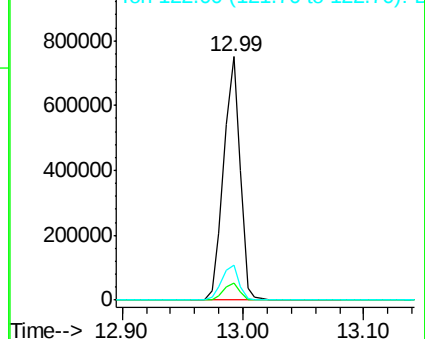
122 14.5 11.0 16.4

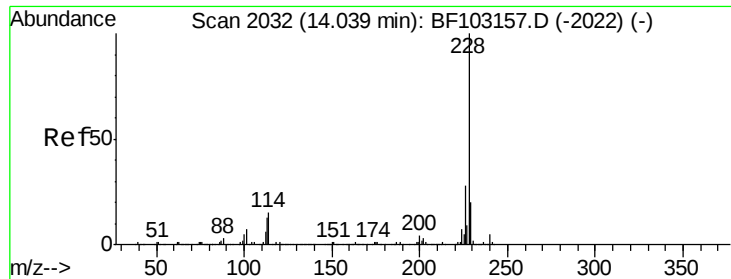


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

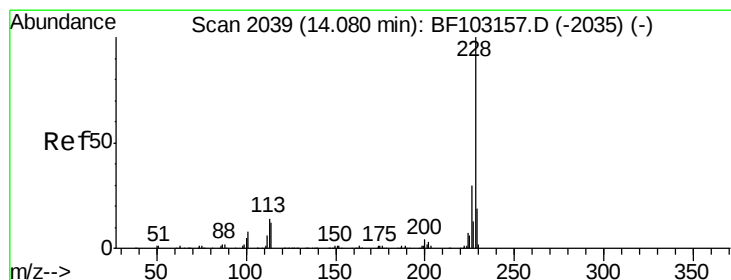
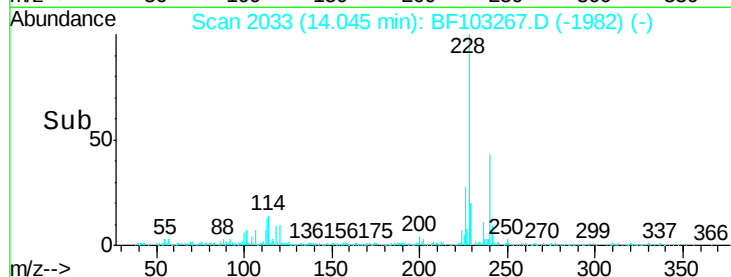
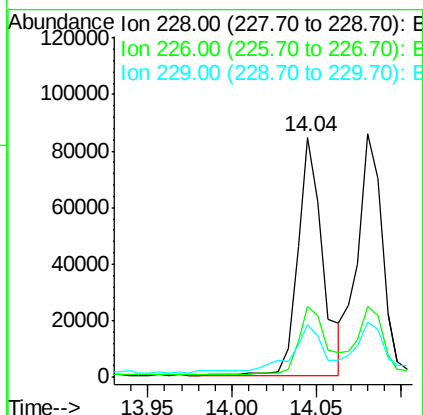
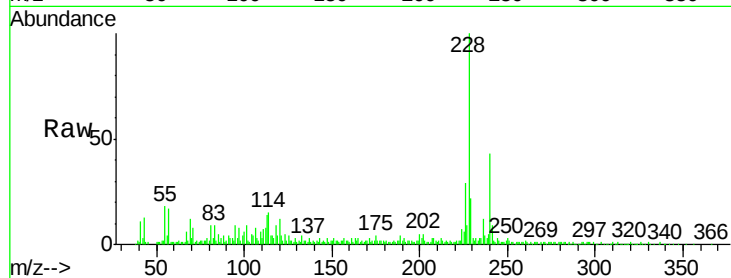




#80
Benzo(a)anthracene
Concen: 5.293 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.00 min
Lab File: BF103267.D
Acq: 27 Feb 2018 17:08

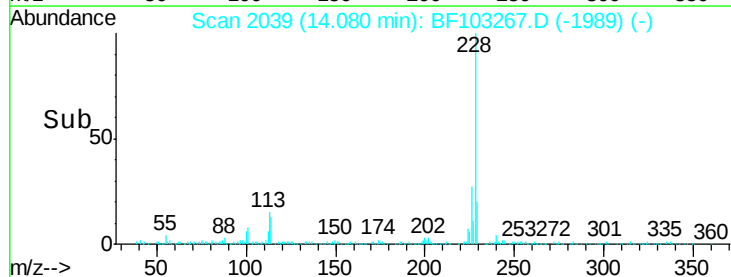
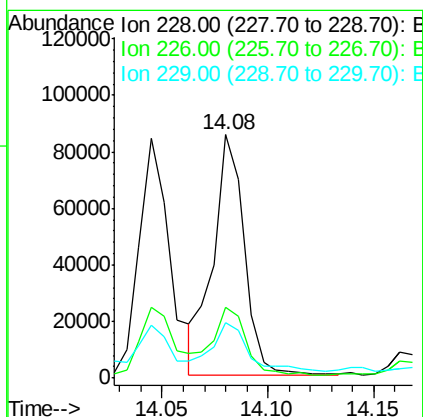
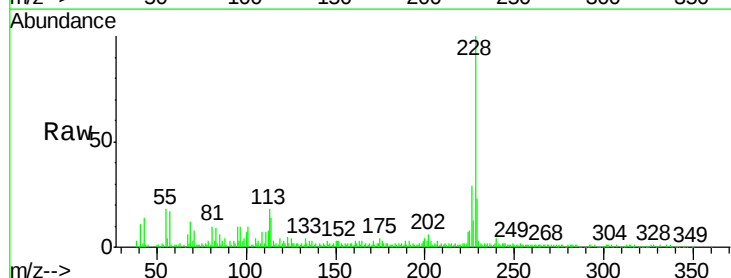
Instrument :
BNA_F
ClientSampleId :
B2

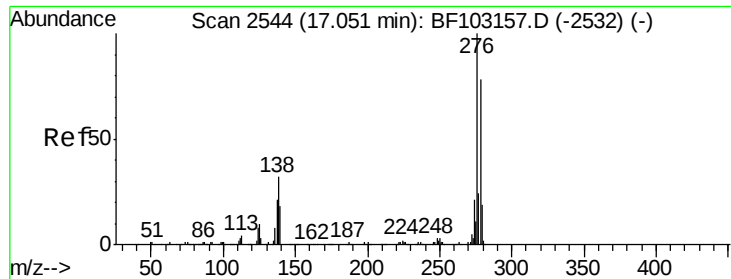
Tgt Ion:228 Resp: 85888
Ion Ratio Lower Upper
228 100
226 29.3 22.6 33.8
229 22.0 15.8 23.6



#82
Chrysene
Concen: 5.614 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103267.D
Acq: 27 Feb 2018 17:08

Tgt Ion:228 Resp: 88450
Ion Ratio Lower Upper
228 100
226 29.1 25.0 37.6
229 23.0 16.2 24.4

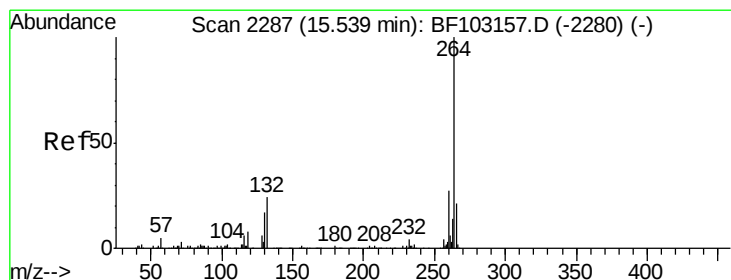
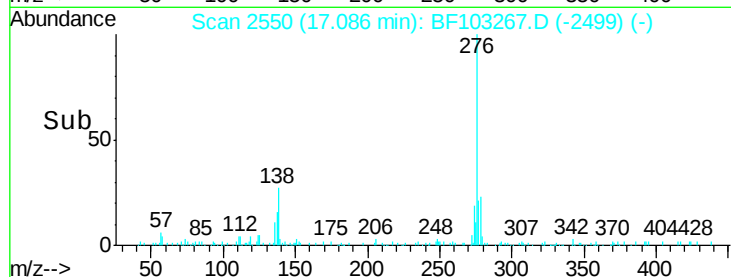
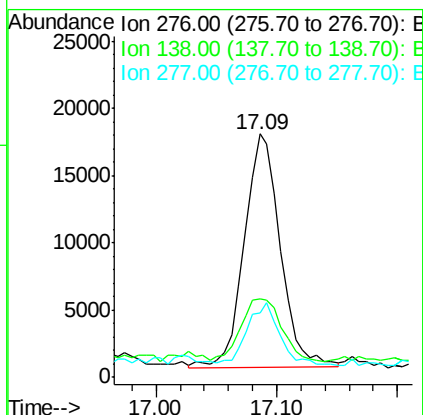
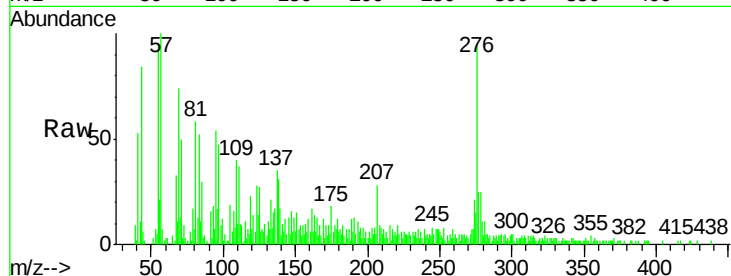




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.885 ng
 RT: 17.09 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: BF103267.D
 Acq: 27 Feb 2018 17:08

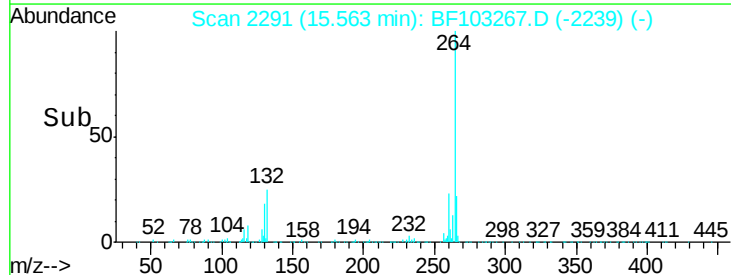
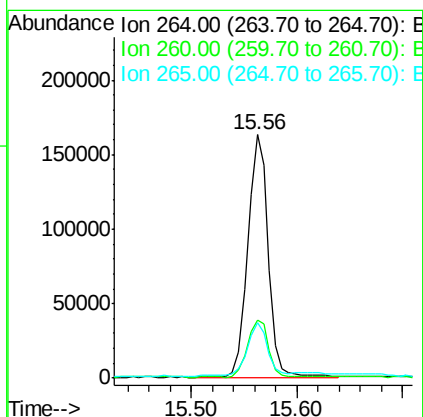
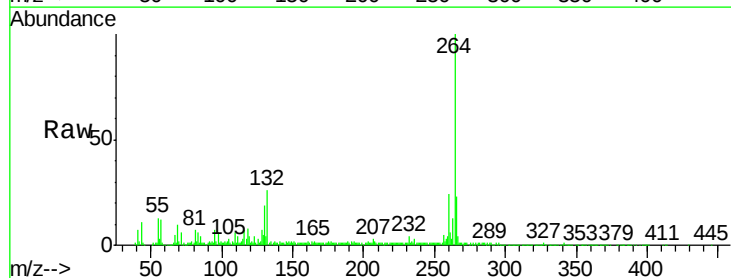
Instrument :
 BNA_F
 ClientSampleId :
 B2

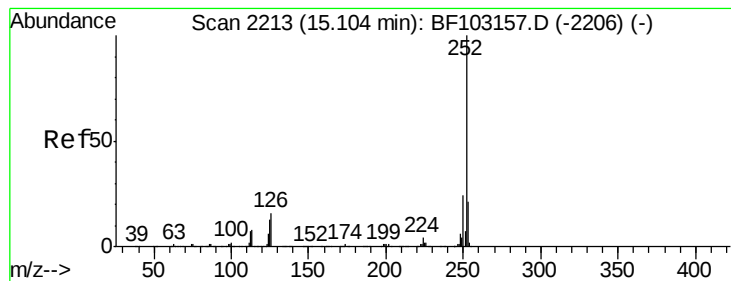
Tgt Ion: 276 Resp: 35980
 Ion Ratio Lower Upper
 276 100
 138 30.6 25.0 37.6
 277 25.0 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.56 min Scan# 2291
 Delta R.T. 0.01 min
 Lab File: BF103267.D
 Acq: 27 Feb 2018 17:08

Tgt Ion: 264 Resp: 218506
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 22.6 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 8.886 ng

RT: 15.12 min Scan# 2216

Delta R.T. 0.01 min

Lab File: BF103267.D

Acq: 27 Feb 2018 17:08

Instrument :

BNA_F

ClientSampleId :

B2

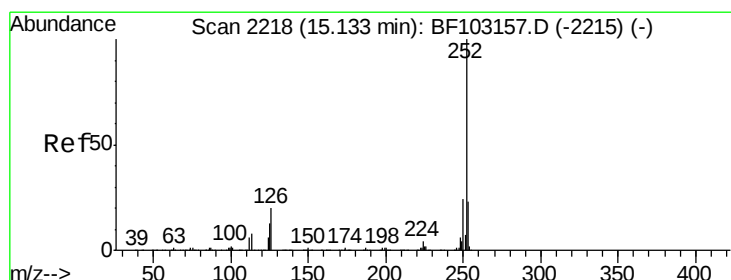
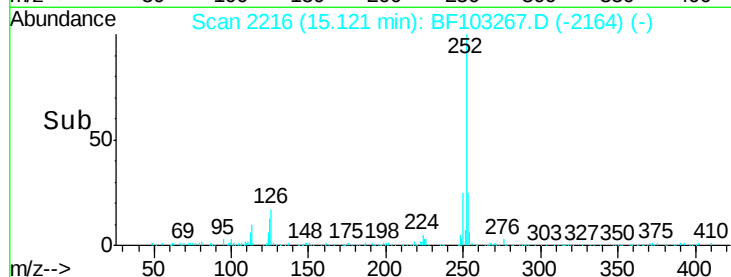
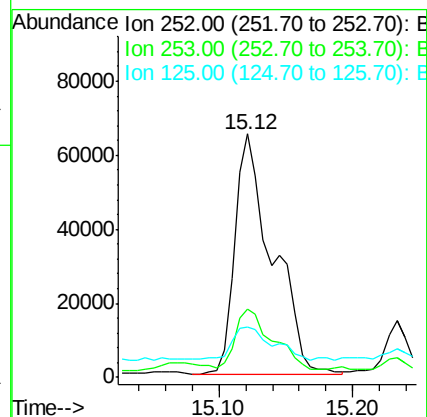
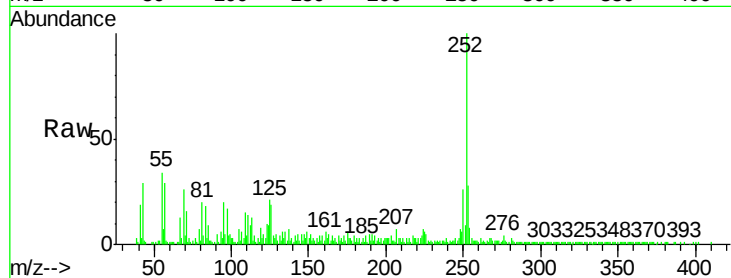
Tgt Ion:252 Resp: 127664

Ion Ratio Lower Upper

252 100

253 28.3 17.0 25.6#

125 20.6 9.0 13.6#



#88

Benzo(k)fluoranthene

Concen: 9.437 ng

RT: 15.12 min Scan# 2216

Delta R.T. -0.03 min

Lab File: BF103267.D

Acq: 27 Feb 2018 17:08

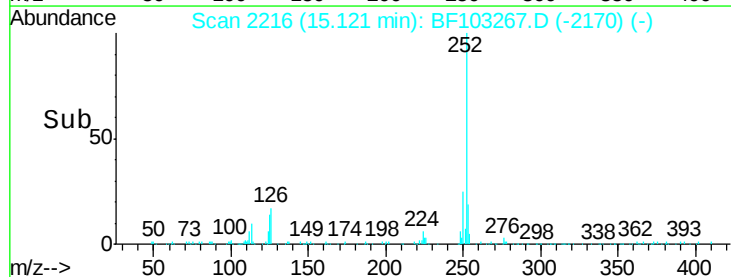
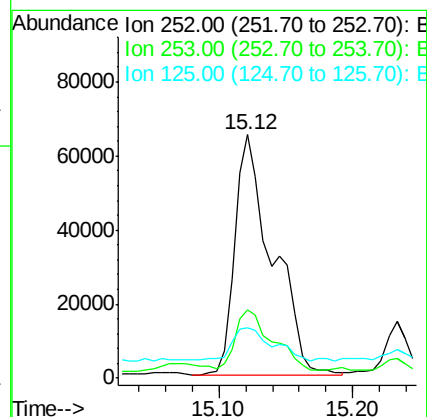
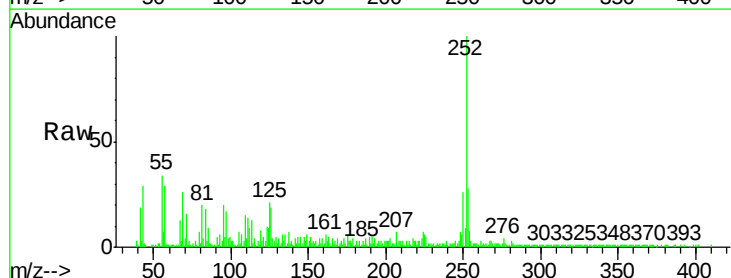
Tgt Ion:252 Resp: 127664

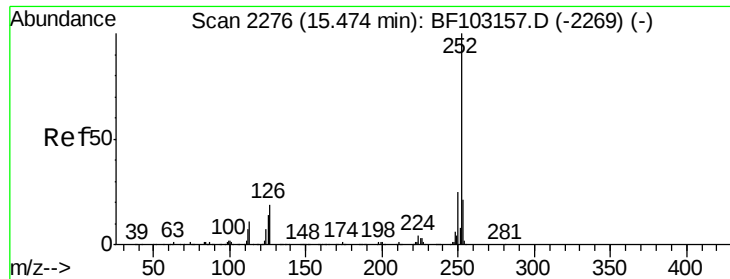
Ion Ratio Lower Upper

252 100

253 28.3 17.9 26.9#

125 20.6 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 5.453 ng

RT: 15.50 min Scan# 2280

Delta R.T. 0.00 min

Lab File: BF103267.D

Acq: 27 Feb 2018 17:08

Instrument :

BNA_F

ClientSampleId :

B2

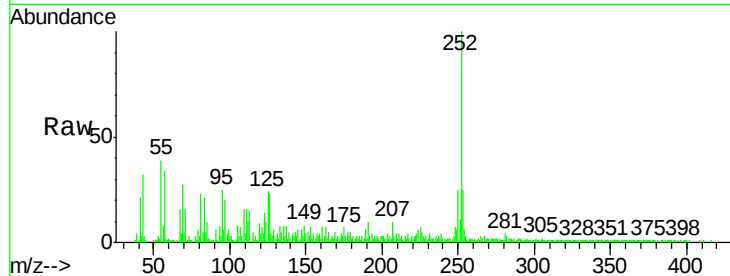
Tgt Ion:252 Resp: 69963

Ion Ratio Lower Upper

252 100

253 25.0 17.1 25.7

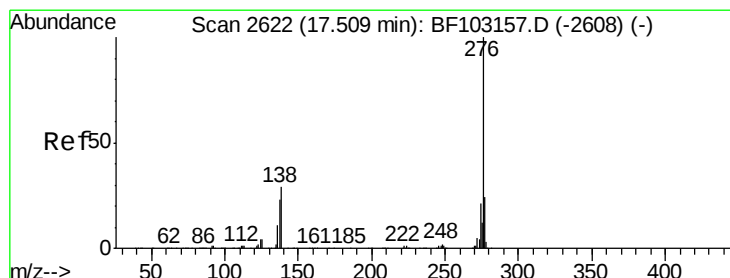
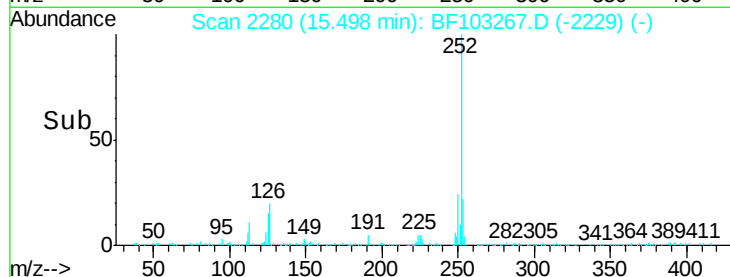
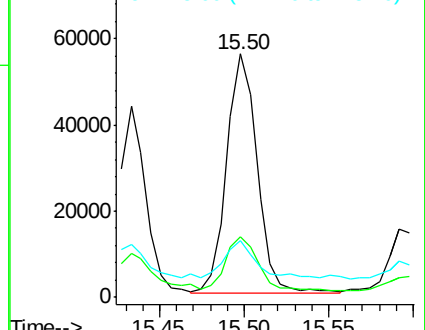
125 23.5 9.8 14.6#



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(g,h,i)perylene

Concen: 3.512 ng

RT: 17.55 min Scan# 2629

Delta R.T. 0.01 min

Lab File: BF103267.D

Acq: 27 Feb 2018 17:08

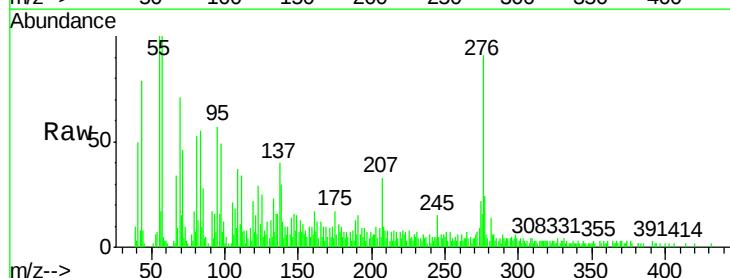
Tgt Ion:276 Resp: 34026

Ion Ratio Lower Upper

276 100

277 26.8 17.9 26.9

138 33.3 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

