

Data Path : U:\HPCHEM1\BNA F\DATA\BF011818\
 Data File : BF102195.D
 Acq On : 18 Jan 2018 16:58
 Operator : SJ/JU
 Sample : J1168-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 19 00:13:15 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 17 15:28:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	154852	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	623454	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	269597	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	432036	20.00	ng	0.00
75) Chrysene-d12	13.87	240	282756	20.00	ng	0.00
86) Perylene-d12	15.29	264	257638	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	940540	85.77	ng	0.00
7) Phenol-d6	6.36	99	1103909	84.37	ng	0.00
23) Nitrobenzene-d5	7.29	82	690602	65.09	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	218815	93.00	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1149504	66.61	ng	0.00
78) Terphenyl-d14	12.82	244	849247	62.36	ng	0.00

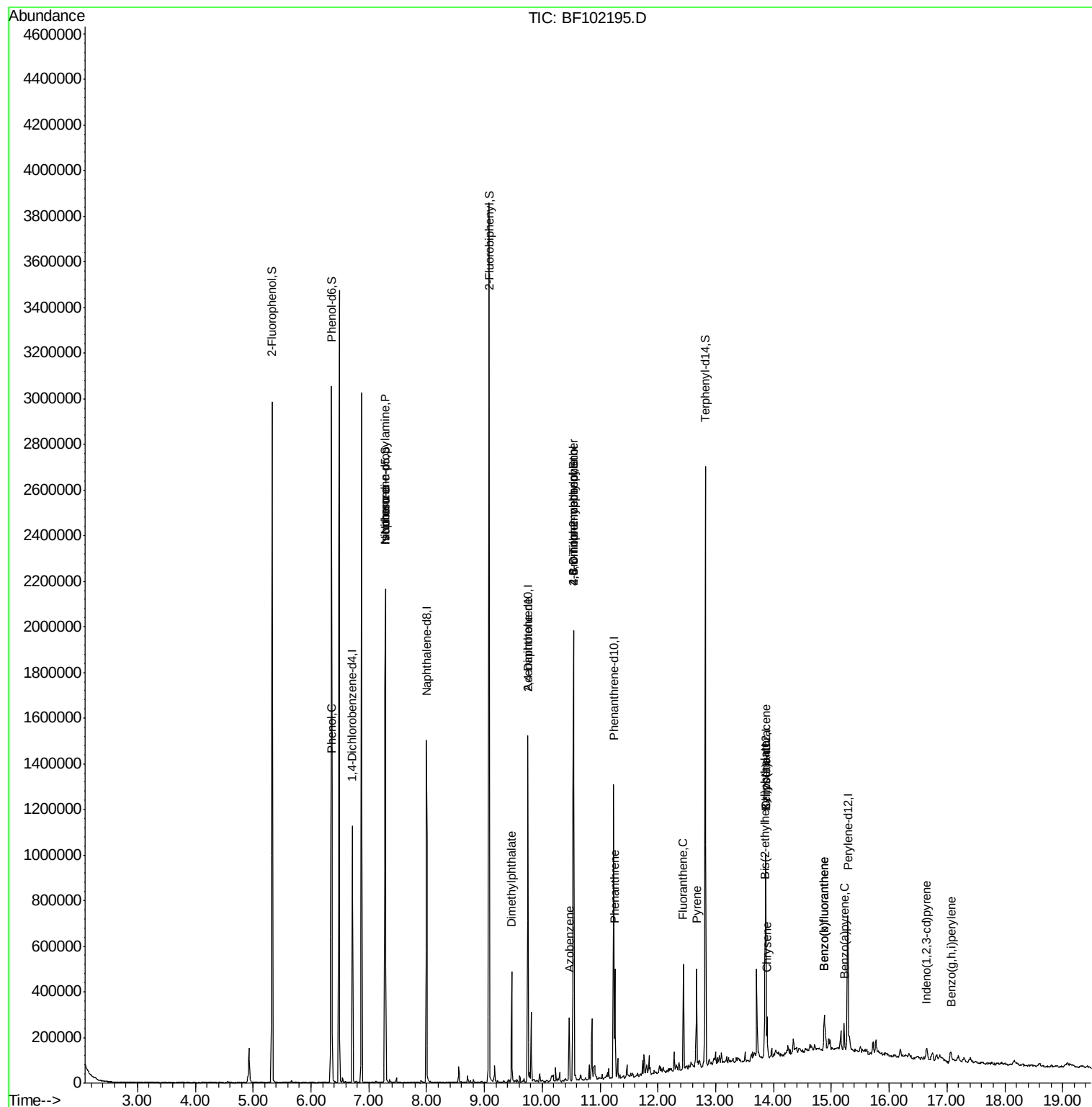
Target Compounds				Qvalue		
10) Phenol	6.37	94	49306	3.335	ng	95
19) n-Nitroso-di-n-propylamine	7.29	70	92360	10.772	ng	# 79
25) Isophorone	7.29	82	687050	32.774	ng	# 64
49) Dimethylphthalate	9.47	163	178234	8.241	ng	99
56) 2,4-Dinitrotoluene	9.75	165	33969	6.273	ng	# 23
62) Azobenzene	10.47	77	49283	2.302	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.54	198	469	5.838	ng	# 1
66) 4-Bromophenyl-phenylether	10.54	248	14148	3.101	ng	# 1
70) Phenanthrene	11.26	178	146467	5.804	ng	97
74) Fluoranthene	12.45	202	185467	7.470	ng	93
77) Pyrene	12.67	202	162992	6.521	ng	98
80) Benzo(a)anthracene	13.86	228	68790	3.813	ng	96
82) Chrysene	13.89	228	68878	3.661	ng	95
83) Bis(2-ethylhexyl)phthalate	13.85	149	51545	3.917	ng	98
85) Indeno(1,2,3-cd)pyrene	16.65	276	31258	2.283	ng	95
87) Benzo(b)fluoranthene	14.88	252	101607	6.048	ng	# 92
88) Benzo(k)fluoranthene	14.88	252	101607	6.270	ng	# 94
89) Benzo(a)pyrene	15.22	252	52423	3.468	ng	98
91) Benzo(a,h,i)perylene	17.07	276	33480	2.755	ng	# 95

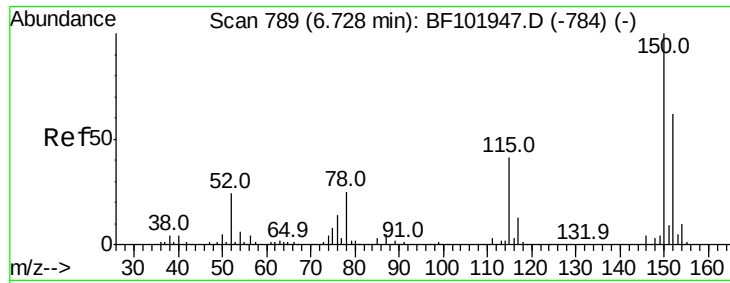
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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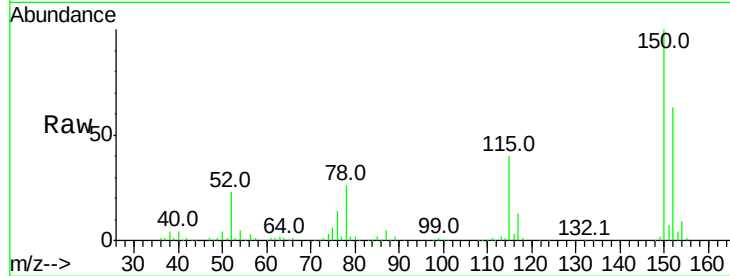


#1

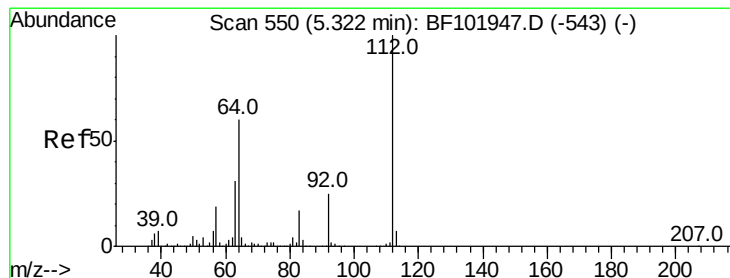
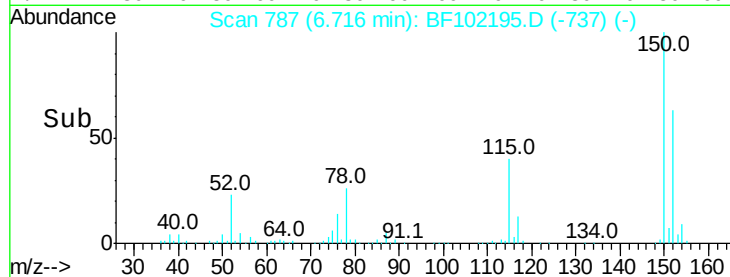
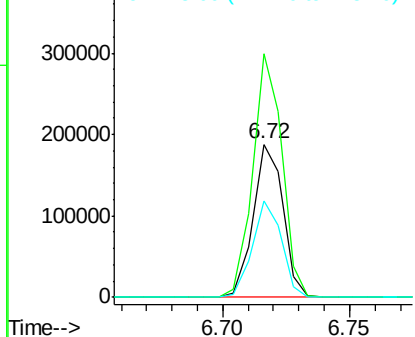
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF102195.D
Acq: 18 Jan 2018 16:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	124.6	186.8
115	62.7	50.1	75.1



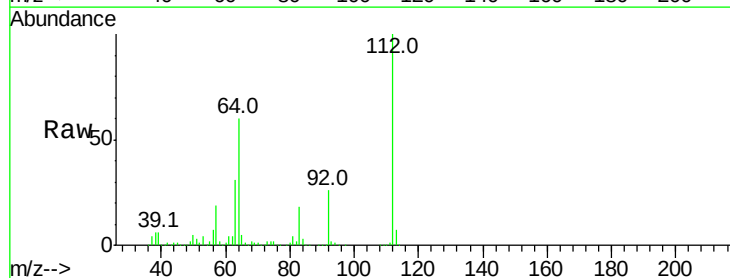
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



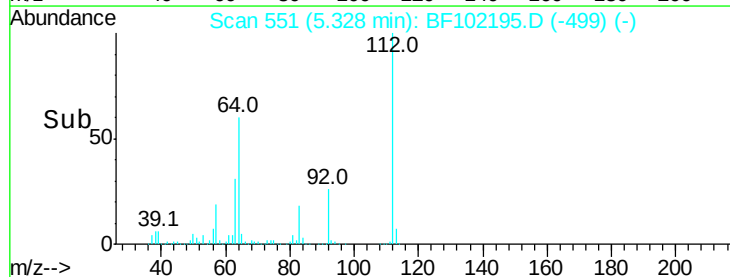
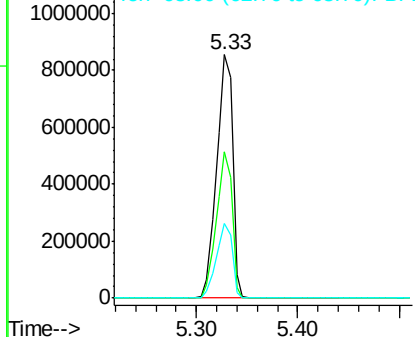
#5

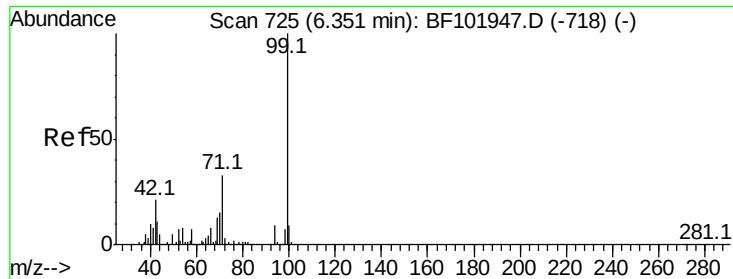
2-Fluorophenol
Concen: 85.767 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102195.D
Acq: 18 Jan 2018 16:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.3	47.9	71.9
63	30.6	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 84.372 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF102195.D

Acq: 18 Jan 2018 16:58

Instrument :

BNA_F

ClientSampleId :

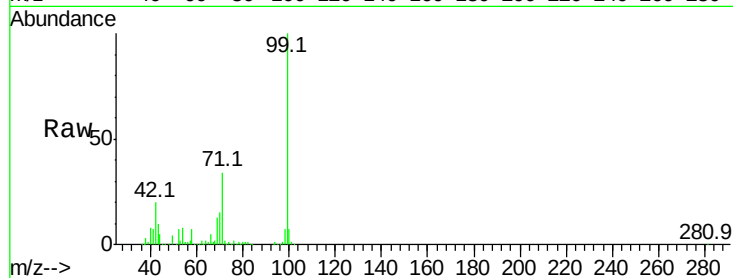
Tot Ion: 99 Resp: 1103909

Ion Ratio Lower Upper

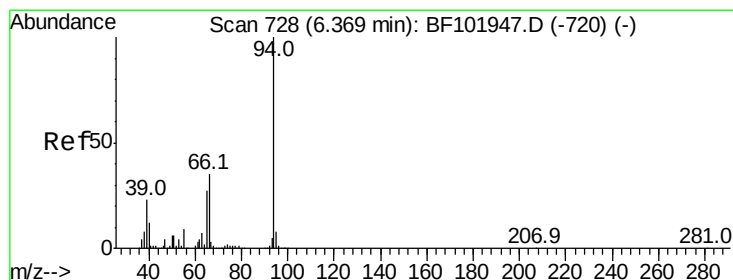
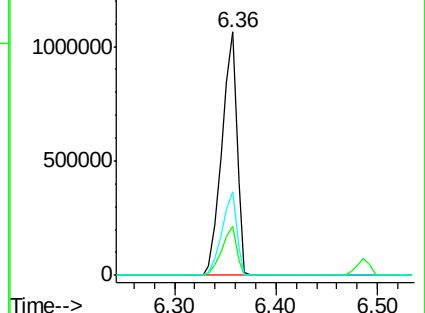
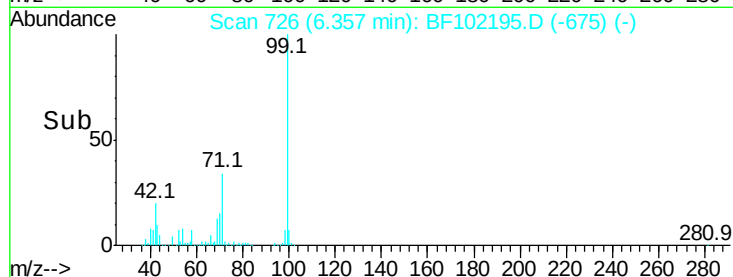
99 100

42 20.1 14.5 21.7

71 34.4 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



#10

Phenol

Concen: 3.335 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102195.D

Acq: 18 Jan 2018 16:58

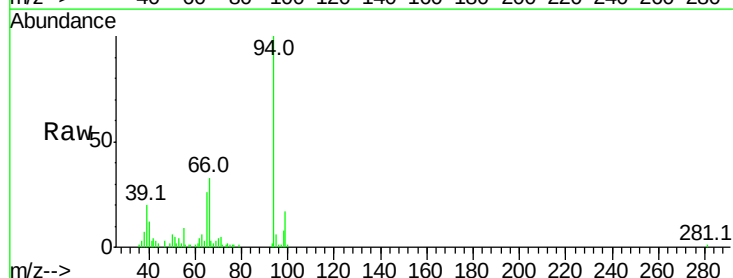
Tgt Ion: 94 Resp: 49306

Ion Ratio Lower Upper

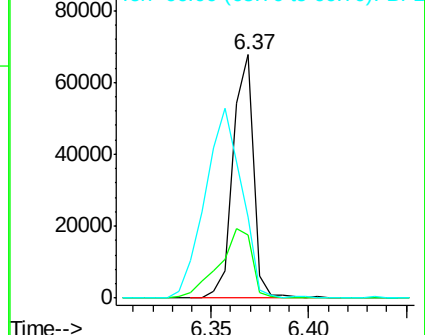
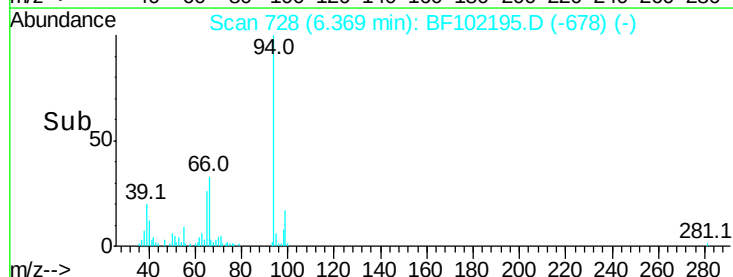
94 100

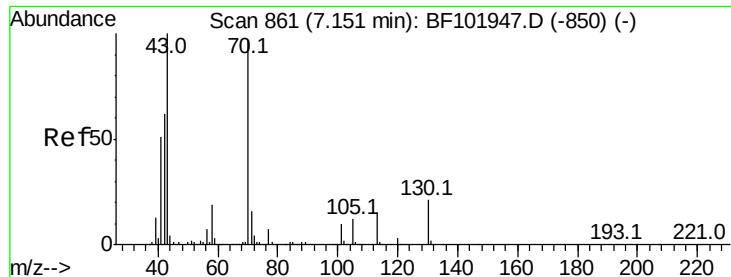
65 25.8 7.9 47.9

66 33.3 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 10.772 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF102195.D

Acq: 18 Jan 2018 16:58

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 92360

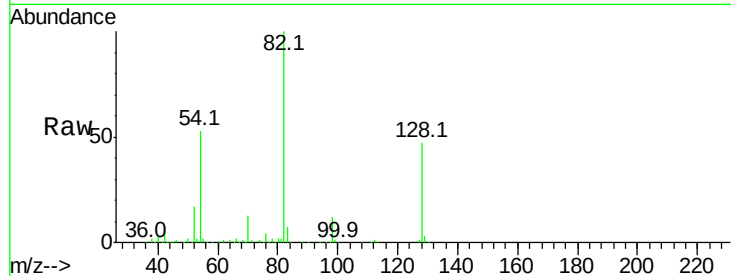
Ion Ratio Lower Upper

70 100

42 49.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

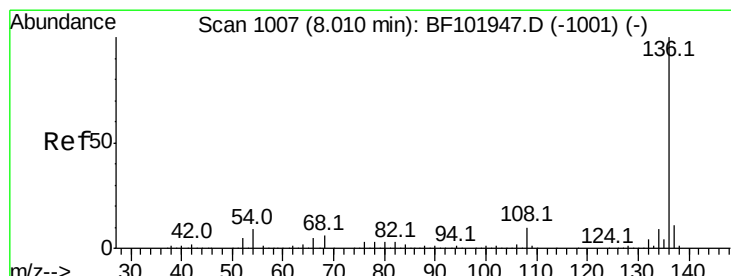
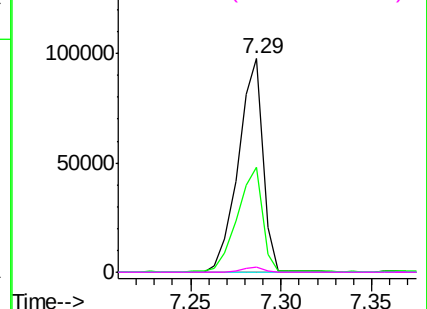
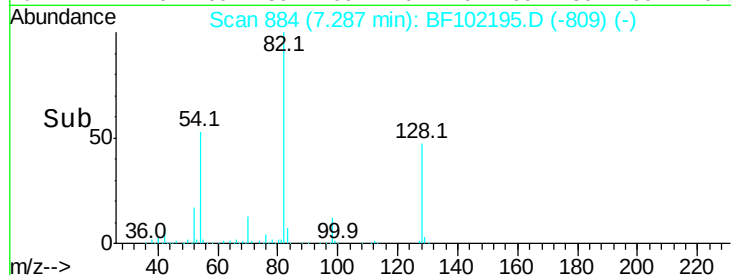


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF102195.D

Acq: 18 Jan 2018 16:58

Tgt Ion: 136 Resp: 623454

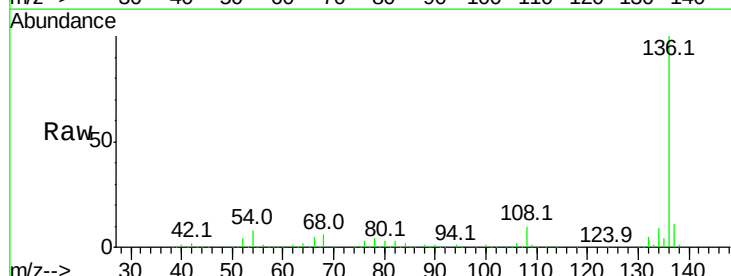
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 8.4 6.6 9.8

68 5.6 5.0 7.4

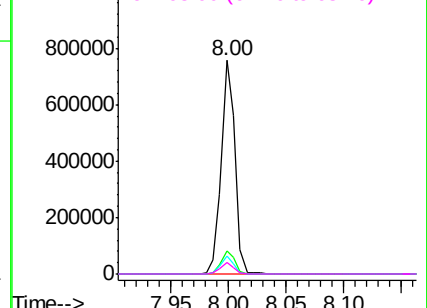
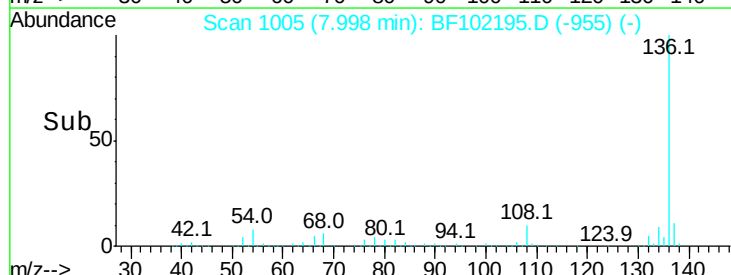


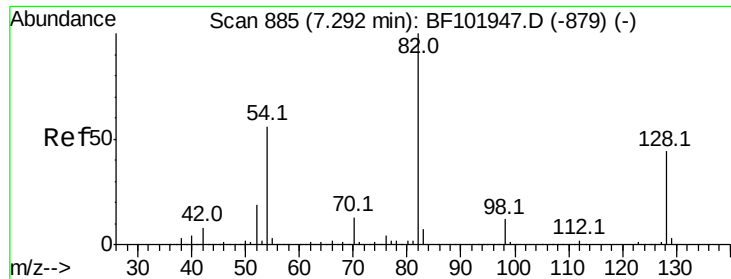
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 65.093 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF102195.D

Acq: 18 Jan 2018 16:58

Instrument :

BNA_F

ClientSampled :

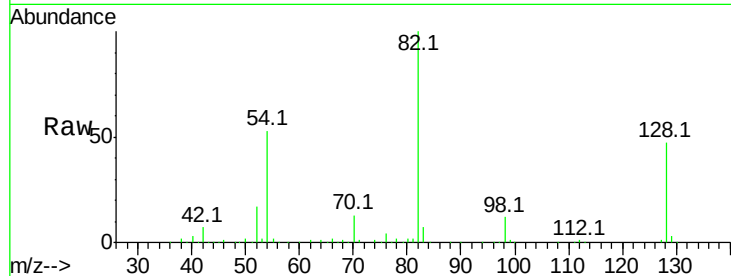
Tot Ion: 82 Resp: 690602

Ion Ratio Lower Upper

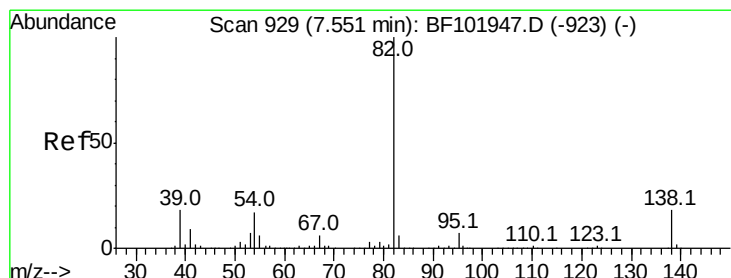
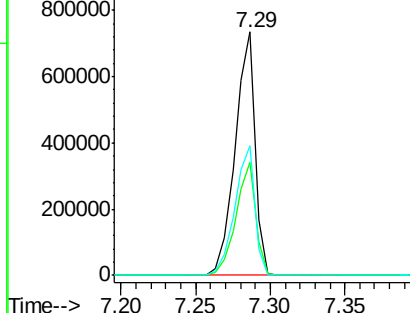
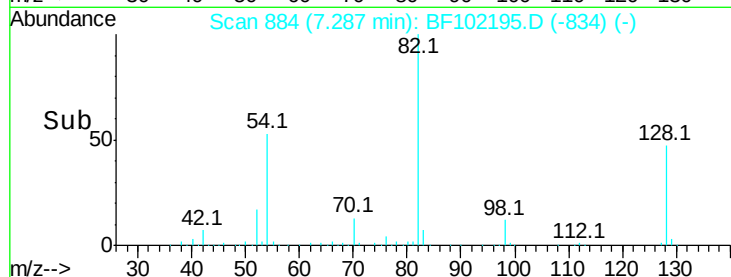
82 100

128 46.7 36.1 54.1

54 53.0 41.4 62.2



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



#25

Isophorone

Concen: 32.774 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102195.D

Acq: 18 Jan 2018 16:58

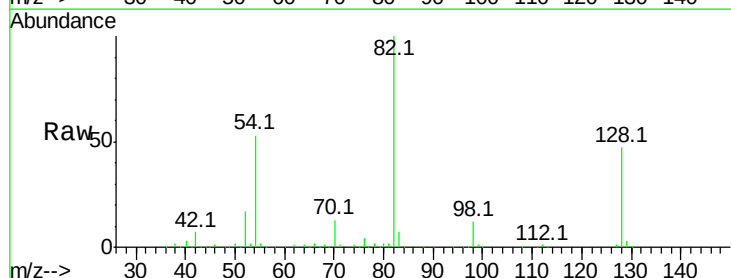
Tgt Ion: 82 Resp: 687050

Ion Ratio Lower Upper

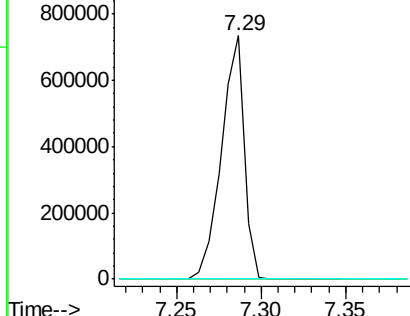
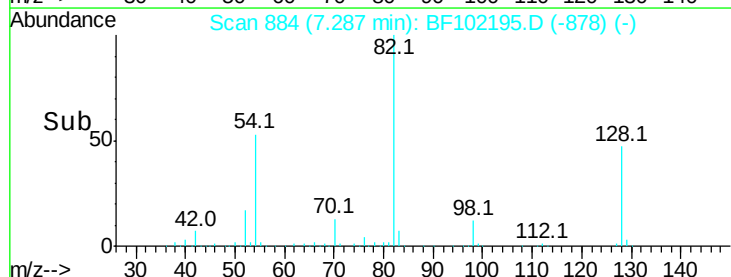
82 100

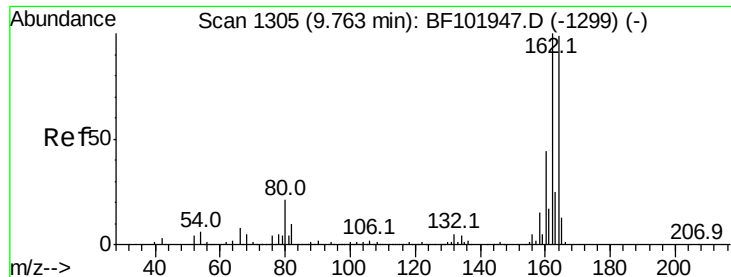
95 0.0 5.2 7.8#

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

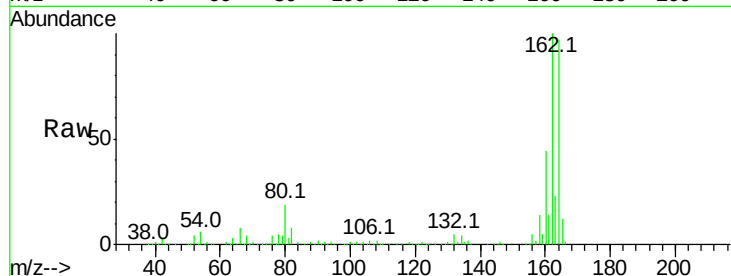




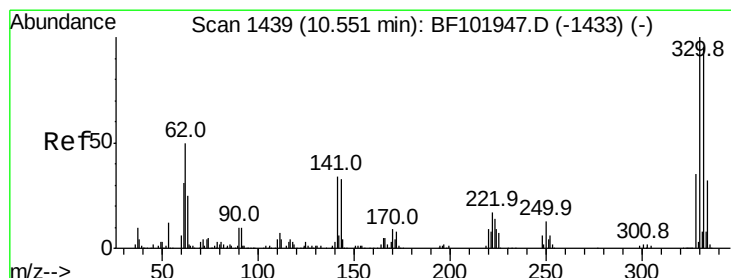
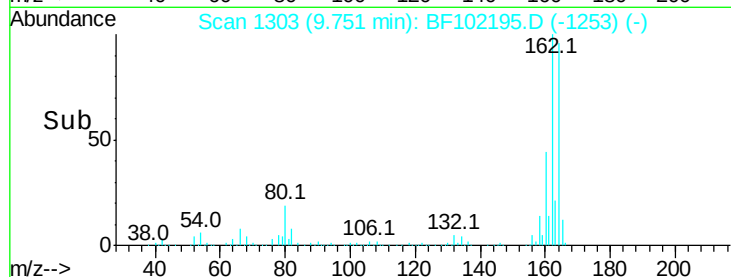
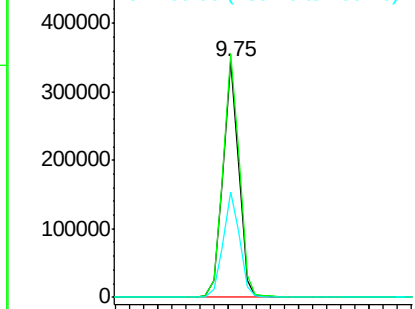
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF102195.D
Acq: 18 Jan 2018 16:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 269597
Ion Ratio Lower Upper
164 100
162 103.4 86.1 129.1
160 45.0 38.3 57.5

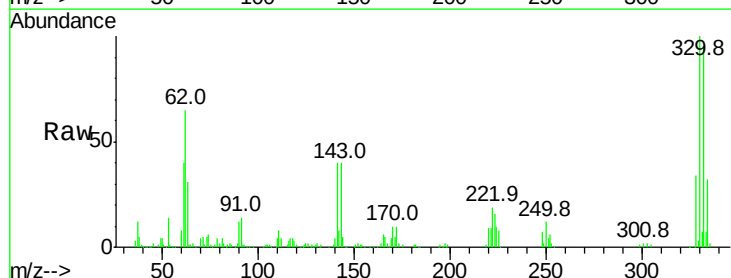


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

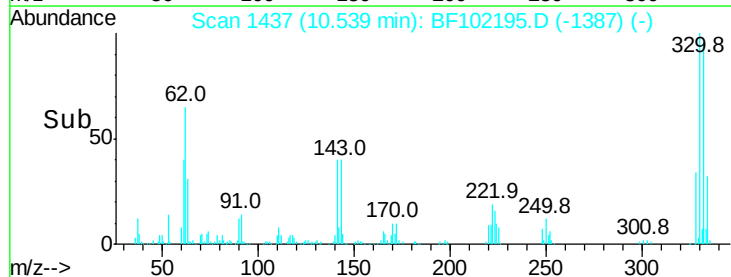
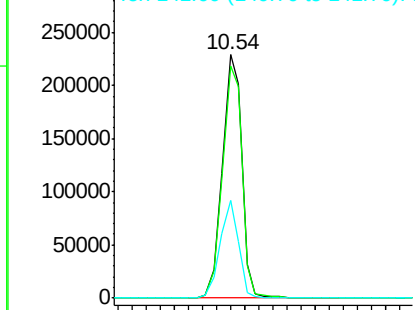


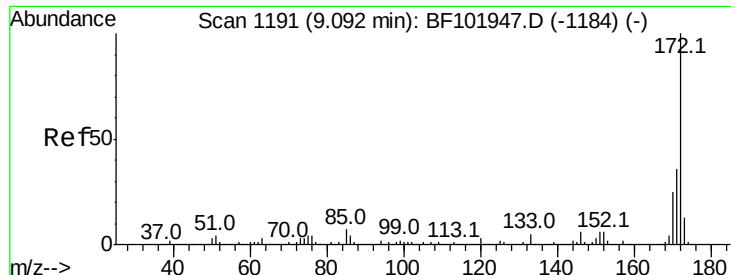
#41
2,4,6-Tribromophenol
Concen: 93.004 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF102195.D
Acq: 18 Jan 2018 16:58

Tgt Ion:330 Resp: 218815
Ion Ratio Lower Upper
330 100
332 96.5 77.0 115.6
141 38.3 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

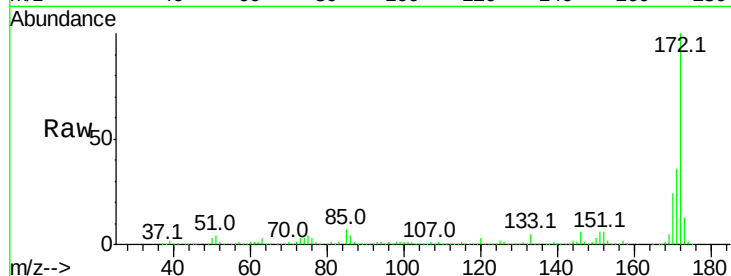




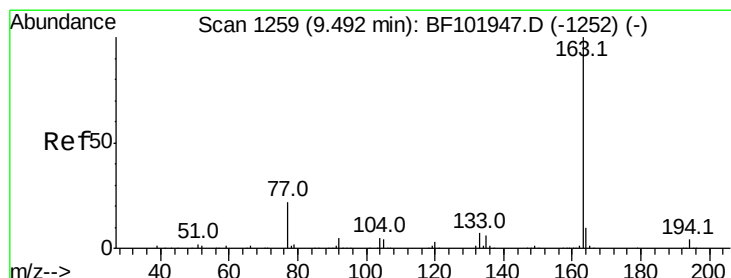
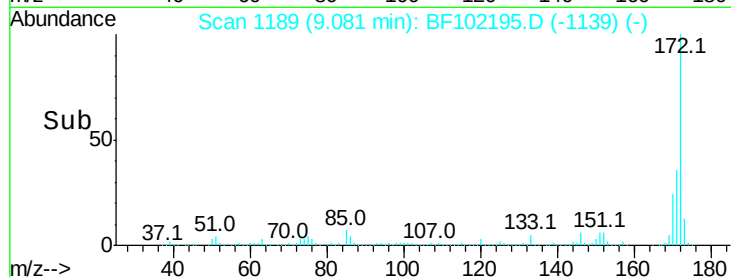
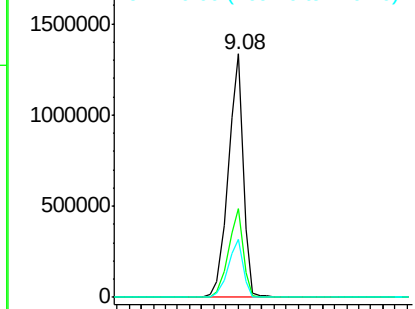
#44
2-Fluorobiphenyl
Concen: 66.612 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF102195.D
Acq: 18 Jan 2018 16:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1149504
Ion Ratio Lower Upper
172 100
171 36.2 29.7 44.5
170 24.1 19.6 29.4

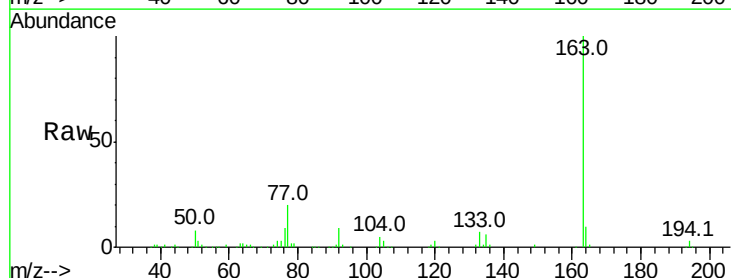


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

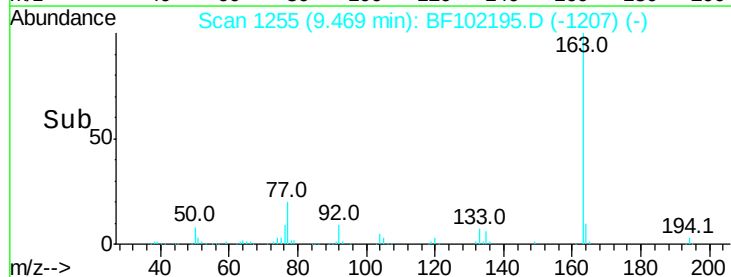
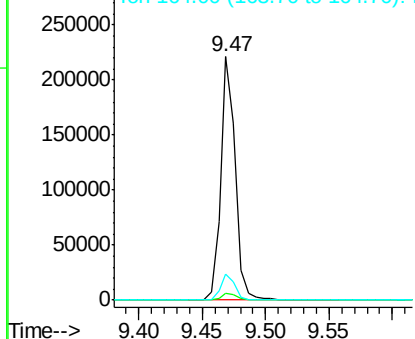


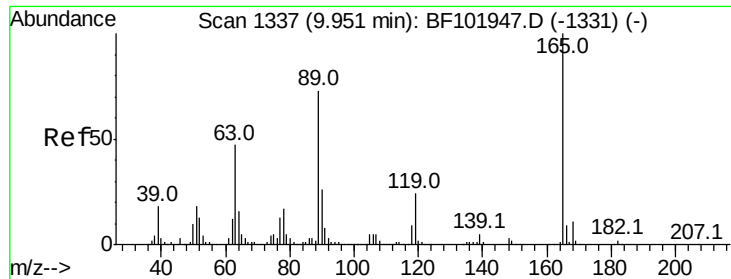
#49
Dimethylphthalate
Concen: 8.241 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.02 min
Lab File: BF102195.D
Acq: 18 Jan 2018 16:58

Tgt Ion:163 Resp: 178234
Ion Ratio Lower Upper
163 100
194 3.0 2.7 4.1
164 10.5 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

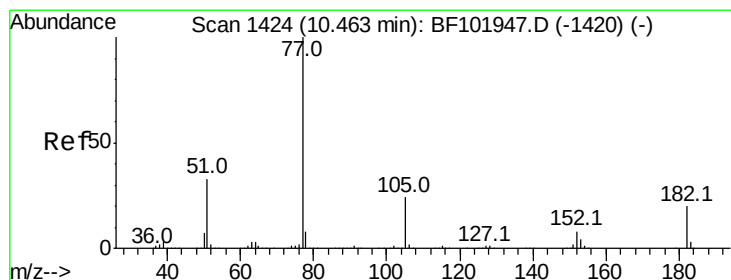
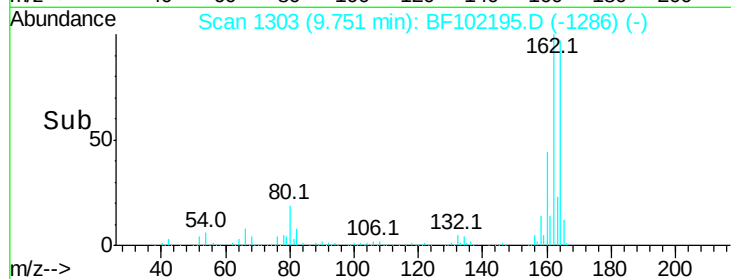
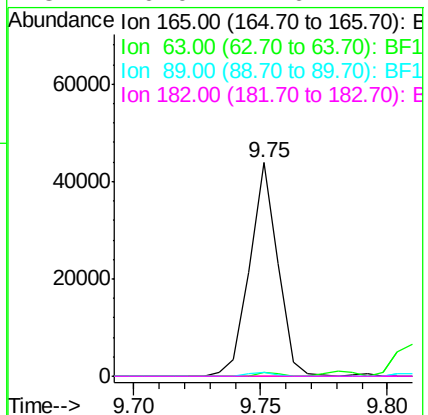
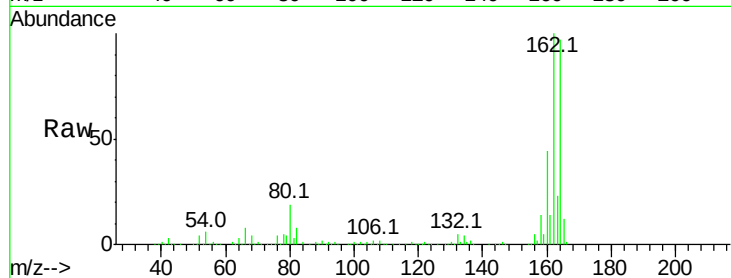




#56
 2,4-Dinitrotoluene
 Concen: 6.273 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.20 min
 Lab File: BF102195.D
 Acq: 18 Jan 2018 16:58

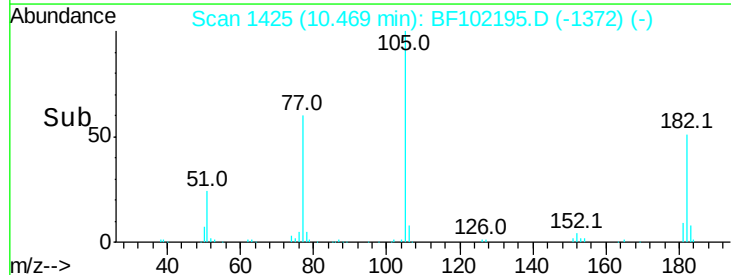
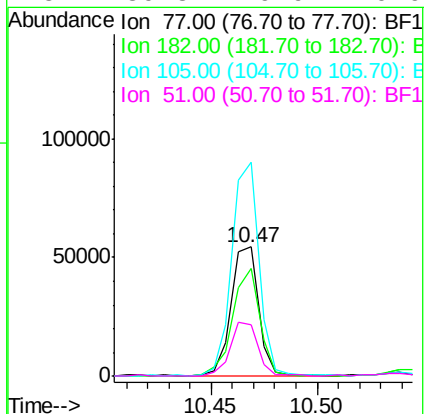
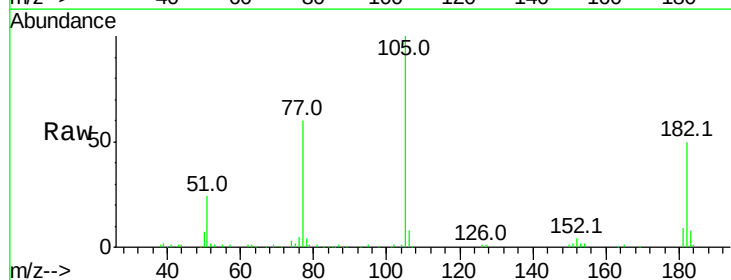
Instrument :
 BNA_F
 ClientSampleId :

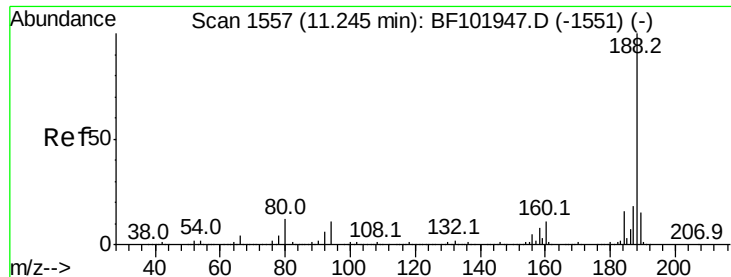
Tot Ion:165 Resp: 33969
 Ion Ratio Lower Upper
 165 100
 63 1.5 36.4 54.6#
 89 1.6 57.8 86.6#
 182 0.0 1.6 2.4#



#62
 Azobenzene
 Concen: 2.302 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. 0.01 min
 Lab File: BF102195.D
 Acq: 18 Jan 2018 16:58

Tgt Ion: 77 Resp: 49283
 Ion Ratio Lower Upper
 77 100
 182 83.3 1.7 41.7#
 105 165.4 3.0 43.0#
 51 39.8 9.9 49.9

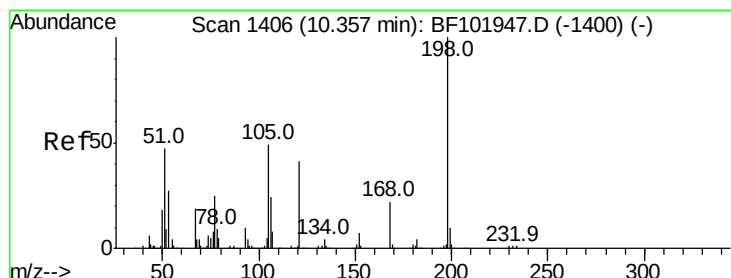
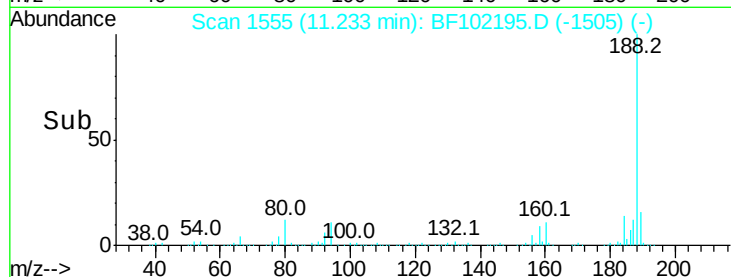
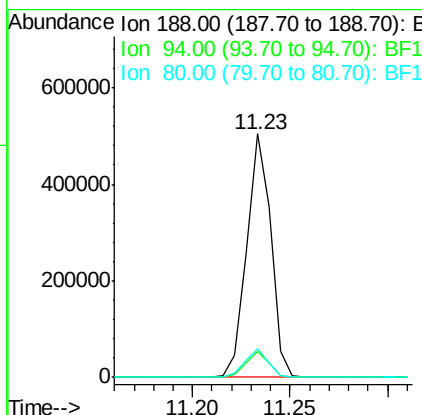
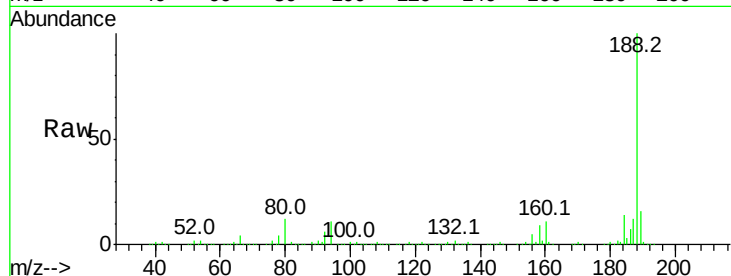




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102195.D
Acq: 18 Jan 2018 16:58

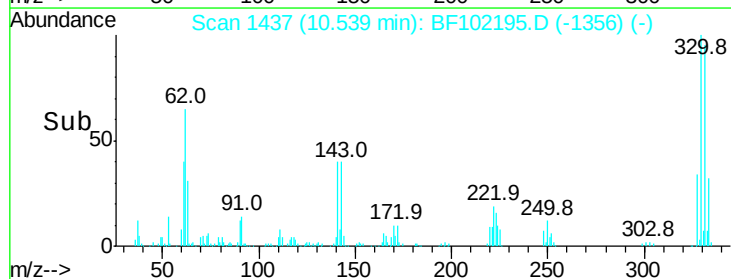
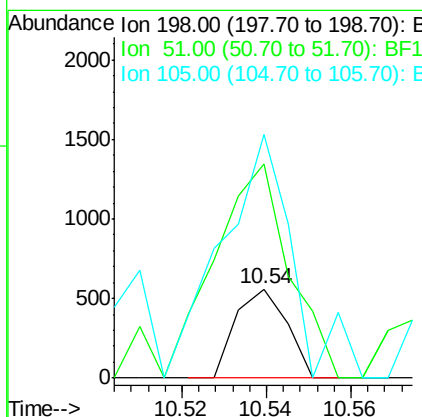
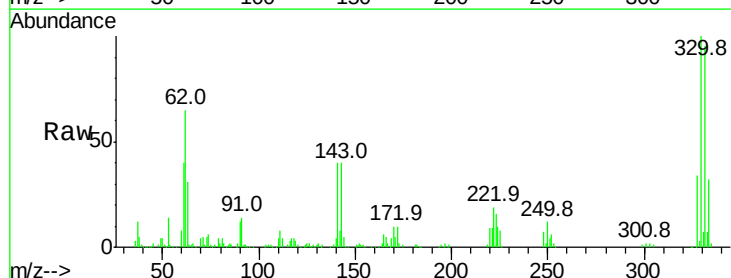
Instrument :
BNA_F
ClientSampleId :

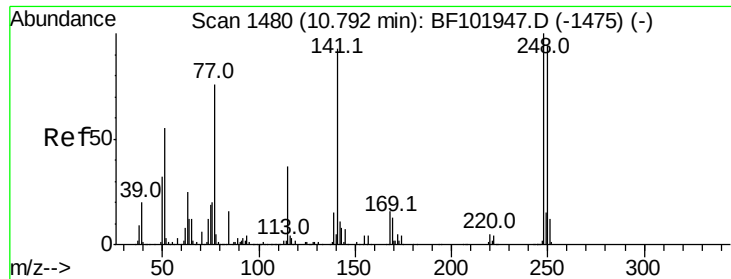
Tot Ion:188 Resp: 432036
Ion Ratio Lower Upper
188 100
94 10.7 8.5 12.7
80 11.7 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.838 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.18 min
Lab File: BF102195.D
Acq: 18 Jan 2018 16:58

Tgt Ion:198 Resp: 469
Ion Ratio Lower Upper
198 100
51 240.1 37.7 77.7#
105 272.7 36.3 76.3#

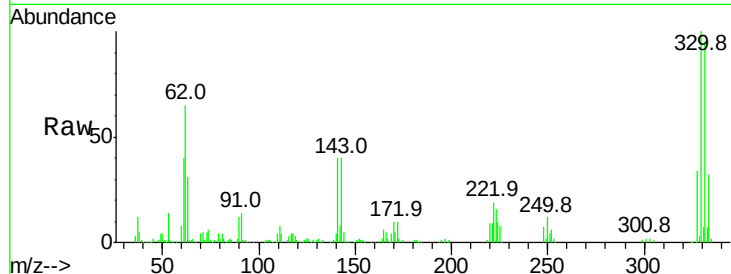




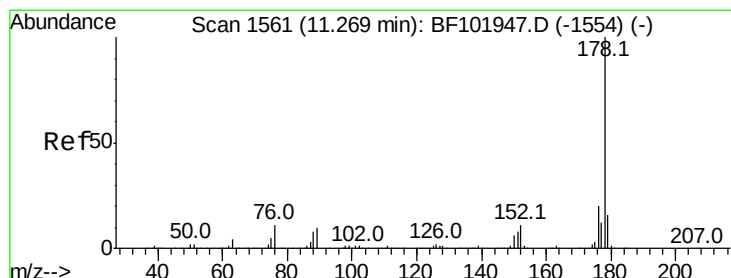
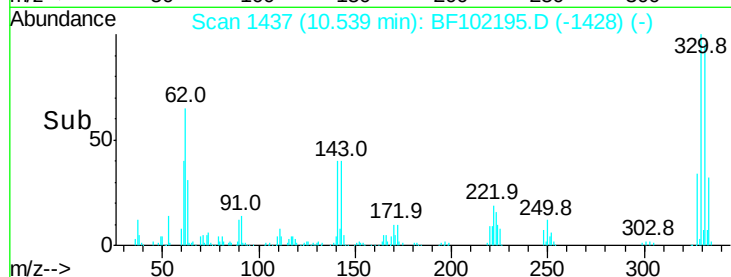
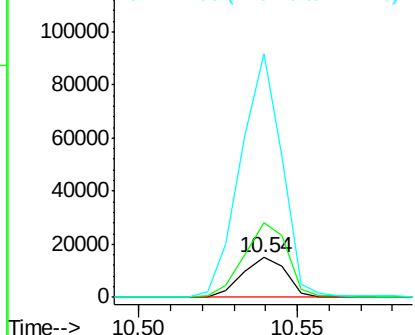
#66
 4-Bromophenyl-phenylether
 Concen: 3.101 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.25 min
 Lab File: BF102195.D
 Acq: 18 Jan 2018 16:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 14148
 Ion Ratio Lower Upper
 248 100
 250 186.7 76.9 115.3#
 141 613.9 74.4 111.6#

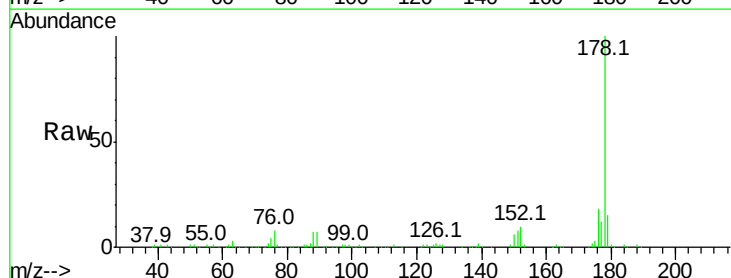


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

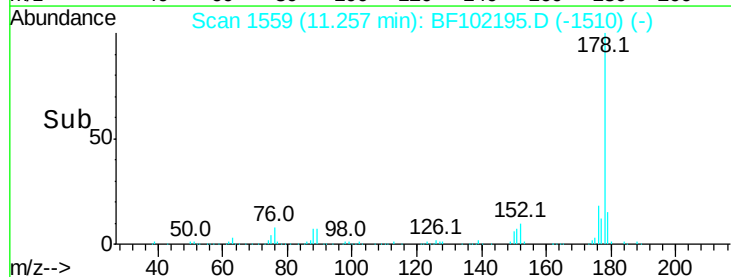
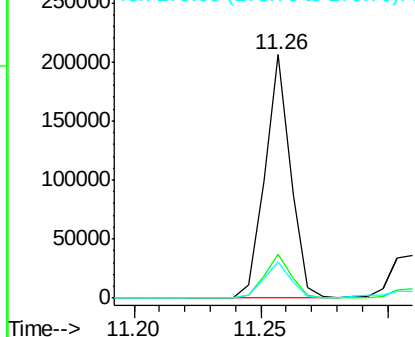


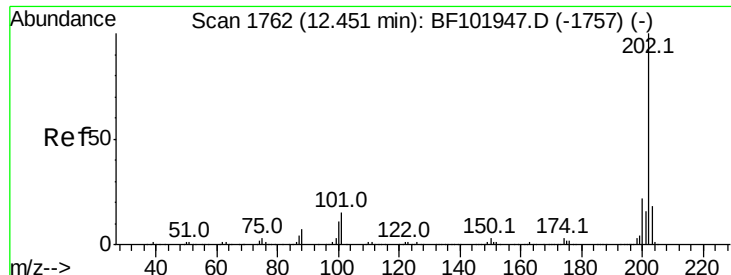
#70
 Phenanthrene
 Concen: 5.804 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BF102195.D
 Acq: 18 Jan 2018 16:58

Tgt Ion:178 Resp: 146467
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.8 23.8
 179 14.9 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: 7.470 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF102195.D

Acq: 18 Jan 2018 16:58

Instrument :

BNA_F

ClientSampleId :

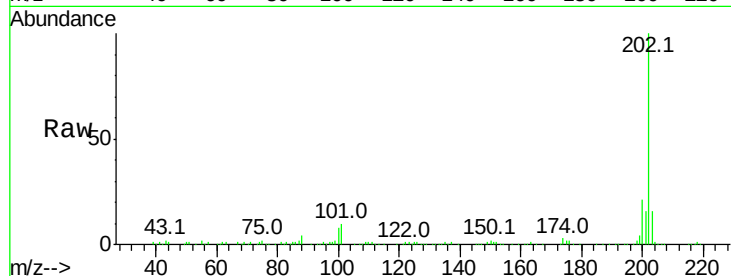
Tot Ion:202 Resp: 185467

Ion Ratio Lower Upper

202 100

101 10.2 0.0 34.1

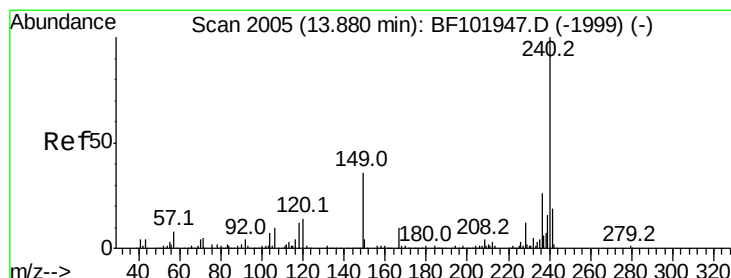
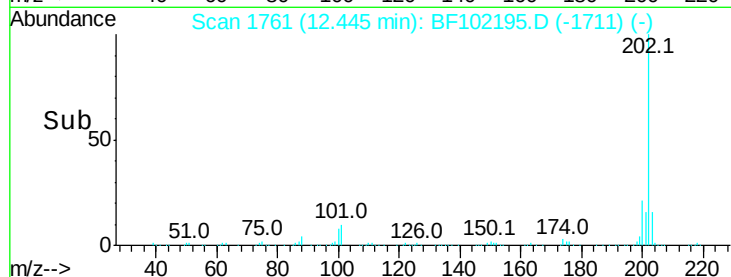
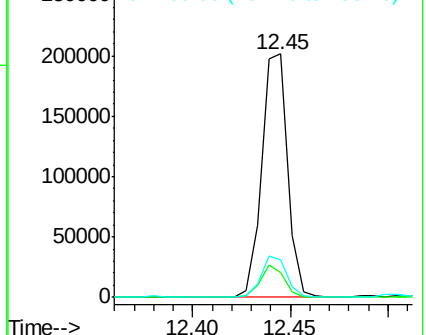
203 15.6 0.0 38.1



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: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF102195.D

Acq: 18 Jan 2018 16:58

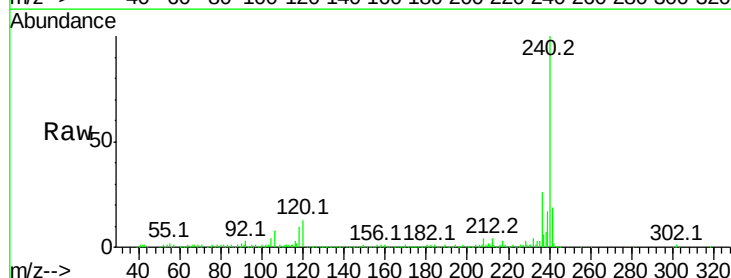
Tgt Ion:240 Resp: 282756

Ion Ratio Lower Upper

240 100

120 12.7 9.5 14.3

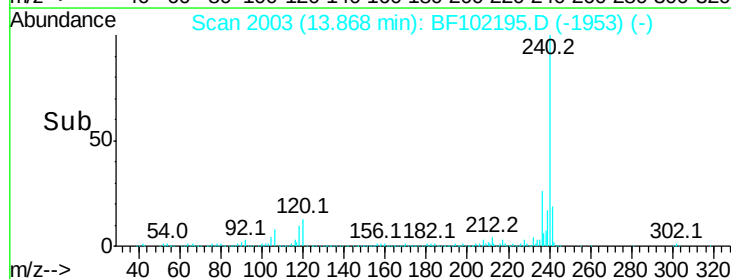
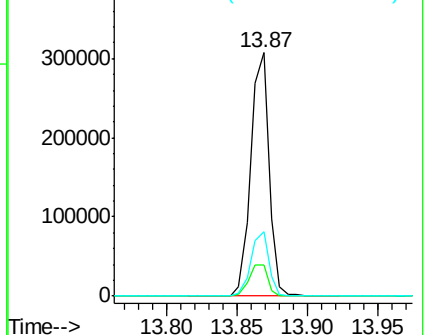
236 26.3 20.7 31.1

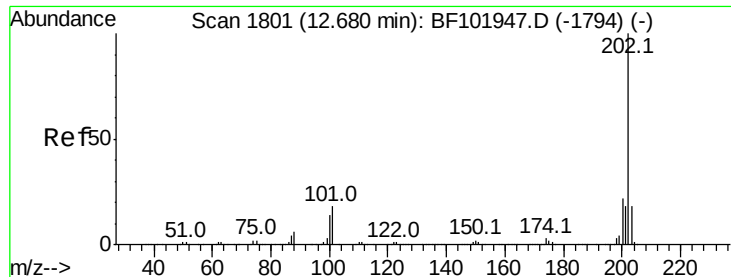


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

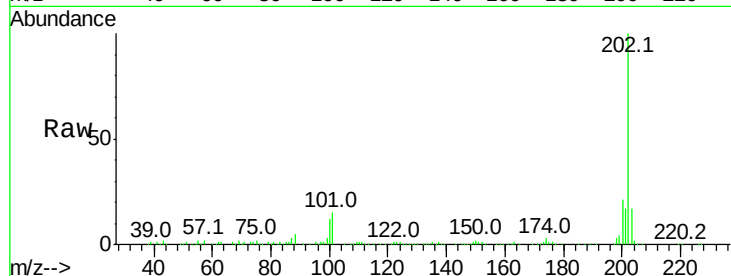




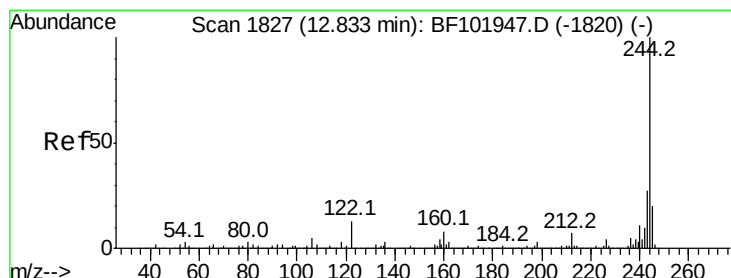
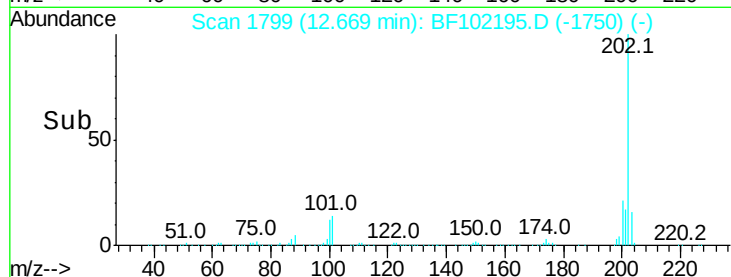
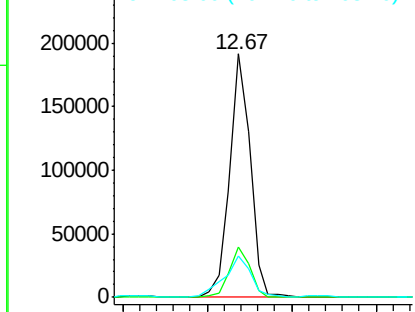
#77
Pvrene
Concen: 6.521 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF102195.D
Acq: 18 Jan 2018 16:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 162992
Ion Ratio Lower Upper
202 100
200 20.7 17.4 26.2
203 16.8 14.3 21.5

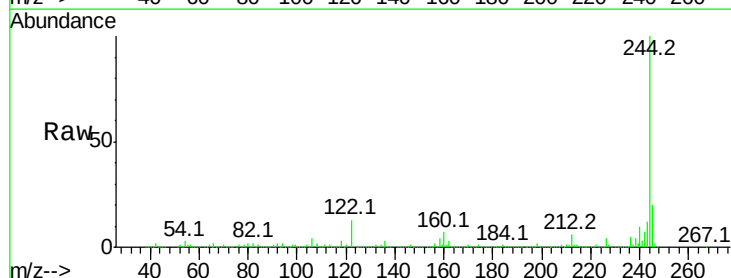


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

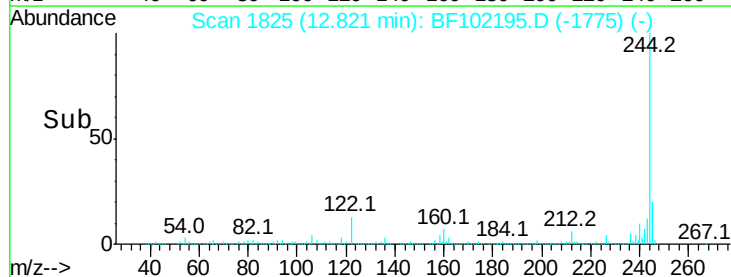
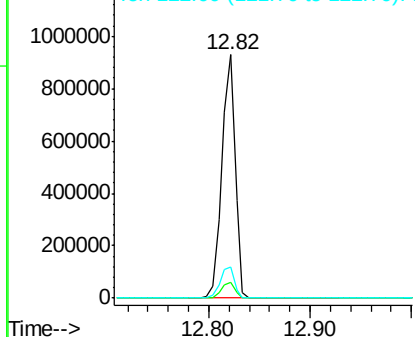


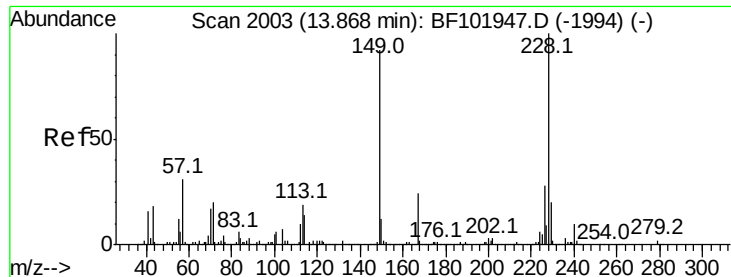
#78
Terphenyl-d14
Concen: 62.360 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF102195.D
Acq: 18 Jan 2018 16:58

Tgt Ion:244 Resp: 849247
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.0
122 12.8 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

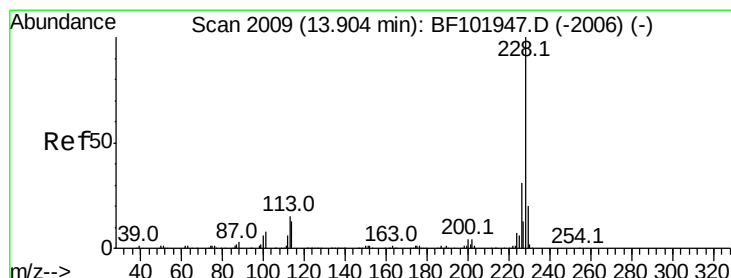
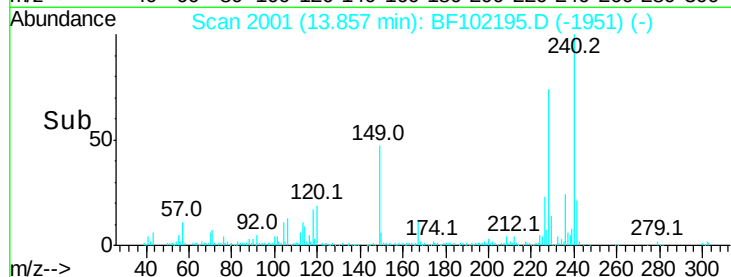
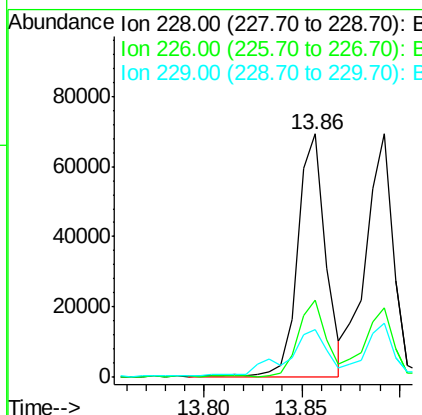
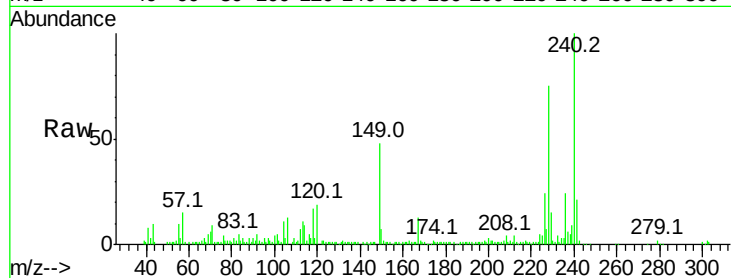




#80
Benzo(a)anthracene
Concen: 3.813 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF102195.D
Acq: 18 Jan 2018 16:58

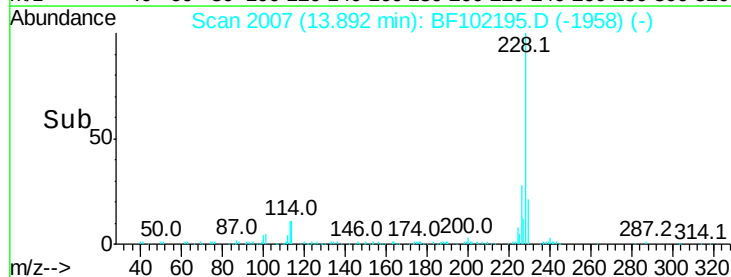
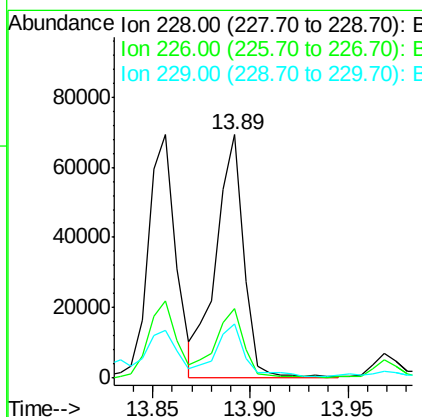
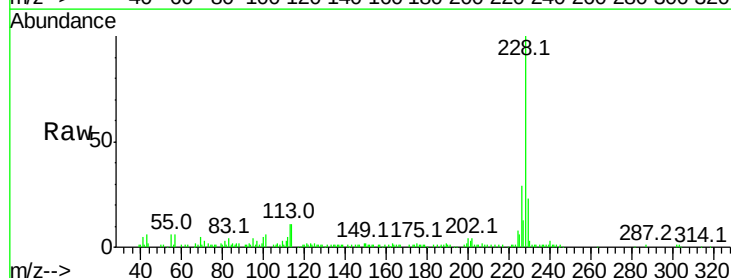
Instrument :
BNA_F
ClientSampled :

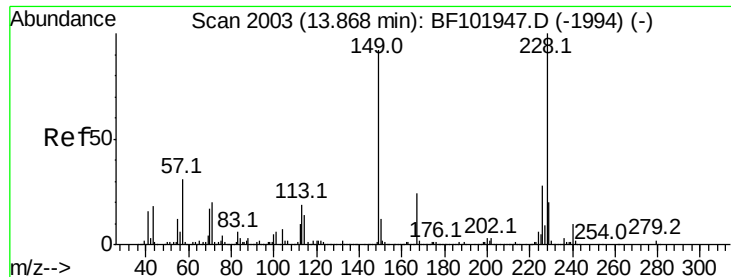
Tot Ion:228 Resp: 68790
Ion Ratio Lower Upper
228 100
226 31.5 22.6 33.8
229 19.6 15.8 23.6



#82
Chrysene
Concen: 3.661 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF102195.D
Acq: 18 Jan 2018 16:58

Tgt Ion:228 Resp: 68878
Ion Ratio Lower Upper
228 100
226 28.7 25.0 37.6
229 22.5 16.2 24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.917 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF102195.D

Acq: 18 Jan 2018 16:58

Instrument :

BNA_F

ClientSampleId :

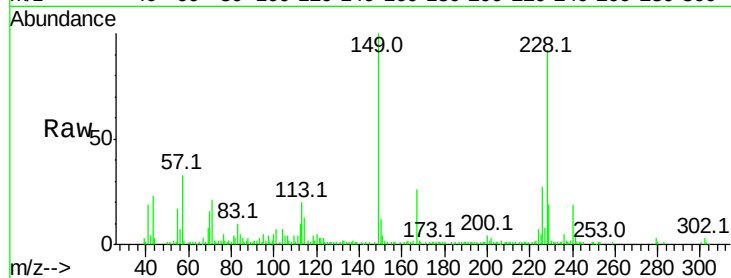
Tot Ion:149 Resp: 51545

Ion Ratio Lower Upper

149 100

167 25.5 21.3 31.9

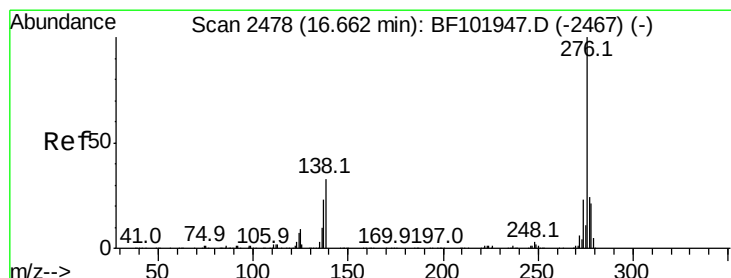
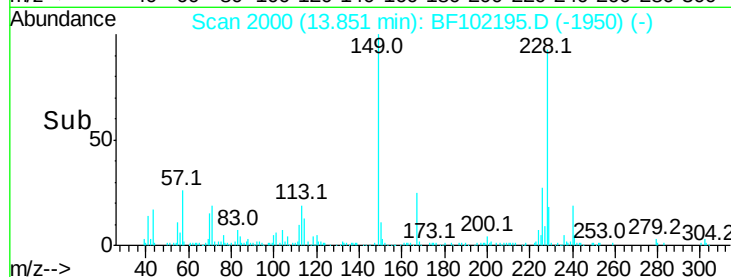
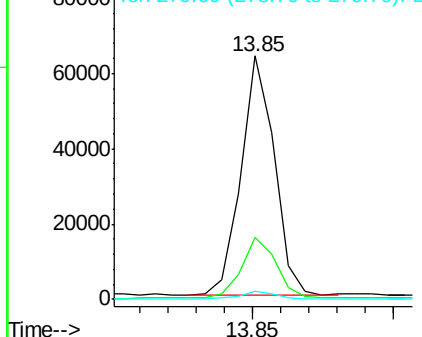
279 3.1 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.283 ng

RT: 16.65 min Scan# 2476

Delta R.T. -0.01 min

Lab File: BF102195.D

Acq: 18 Jan 2018 16:58

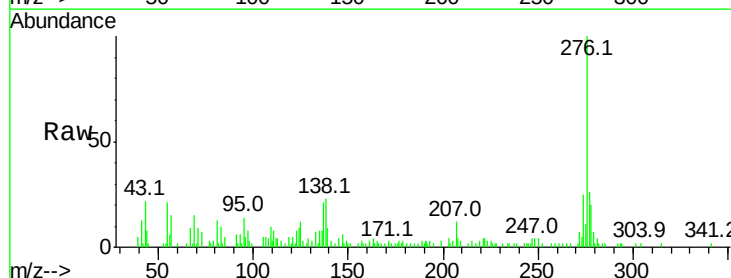
Tgt Ion:276 Resp: 31258

Ion Ratio Lower Upper

276 100

138 30.3 25.0 37.6

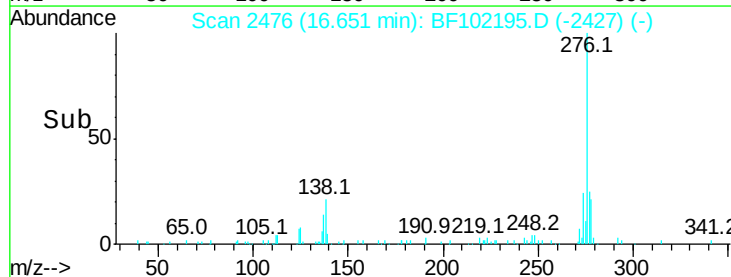
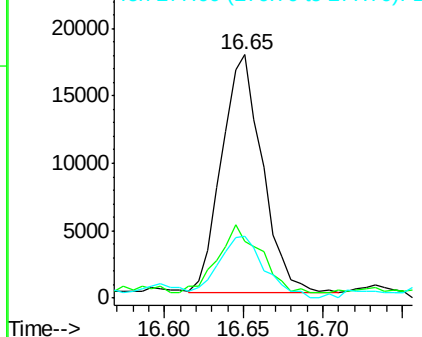
277 29.8 20.1 30.1

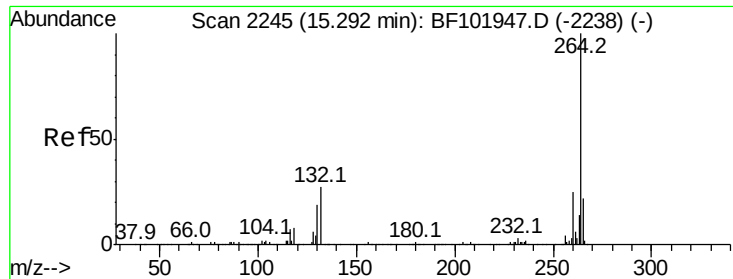


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

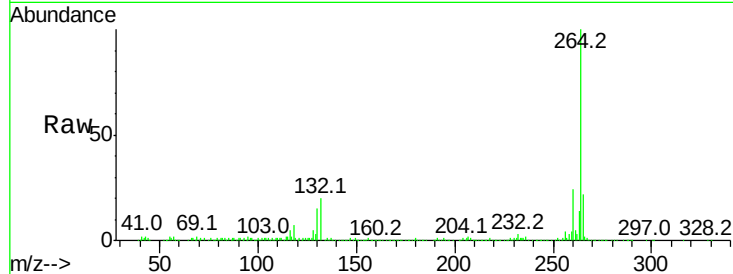




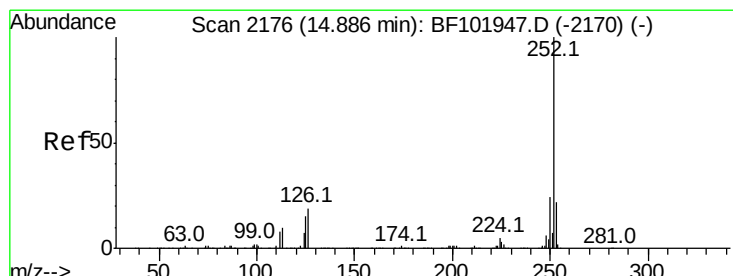
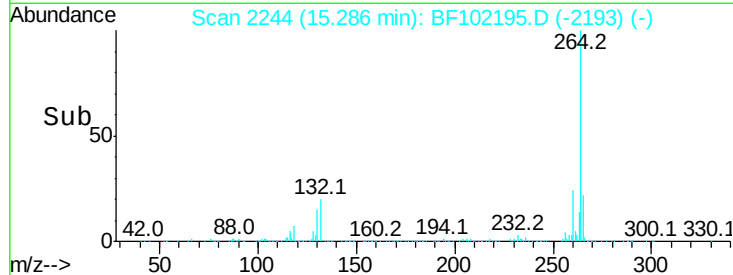
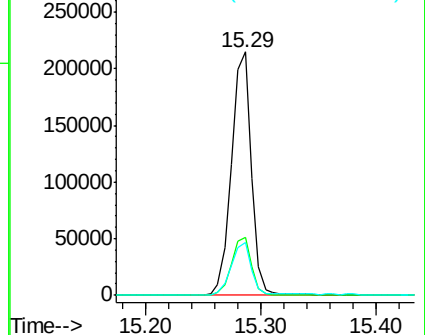
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. -0.00 min
Lab File: BF102195.D
Acq: 18 Jan 2018 16:58

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.7	17.5	26.3

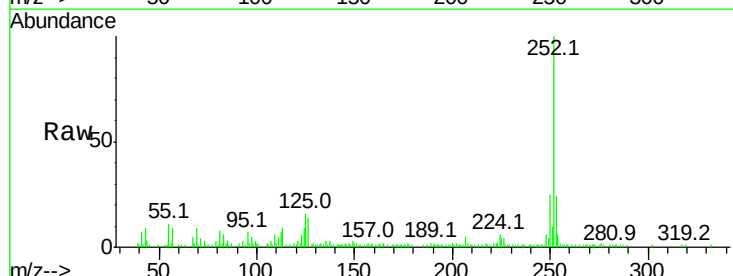


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

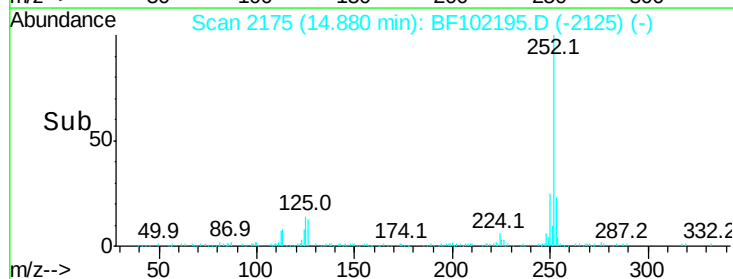
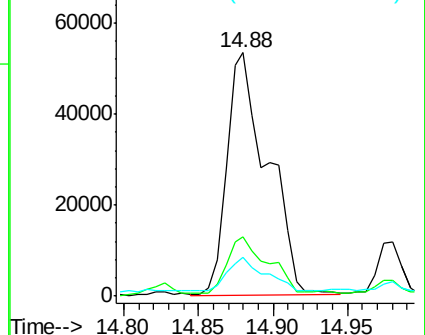


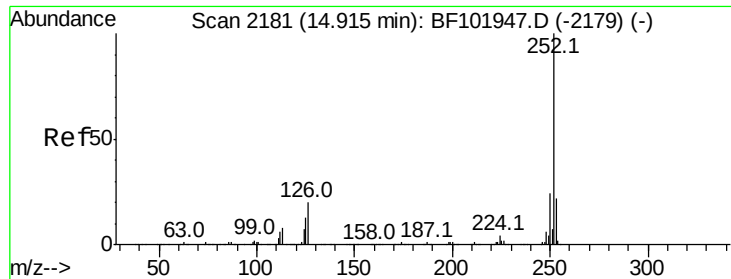
#87
Benzo(b)fluoranthene
Concen: 6.048 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BF102195.D
Acq: 18 Jan 2018 16:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.0	25.6
125	16.1	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

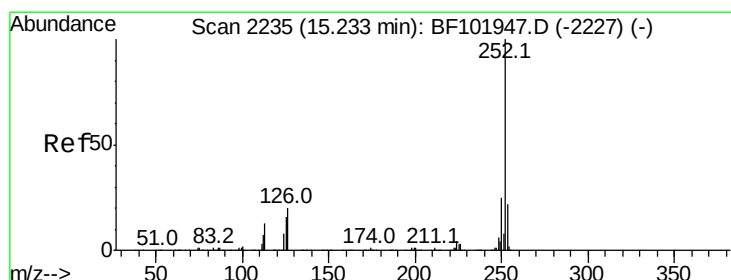
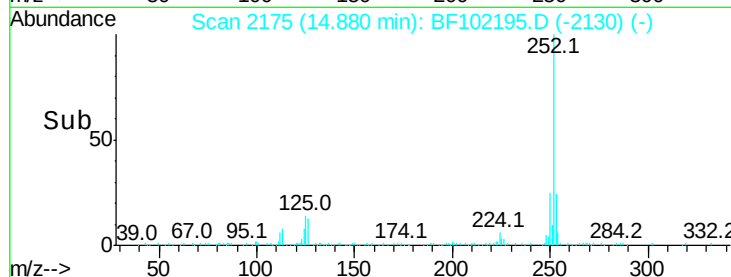
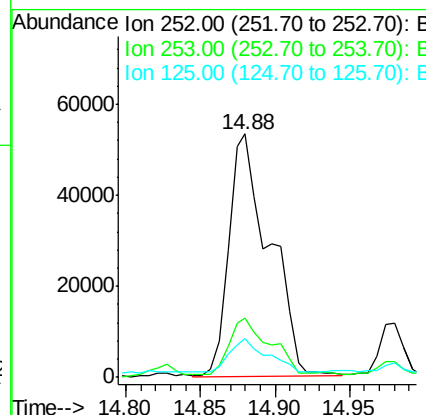
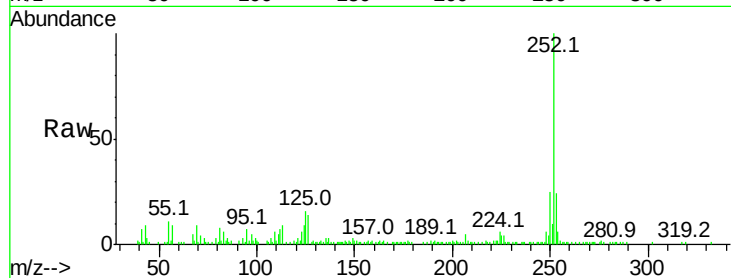




#88
Benzo(k)fluoranthene
Concen: 6.270 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.04 min
Lab File: BF102195.D
Acq: 18 Jan 2018 16:58

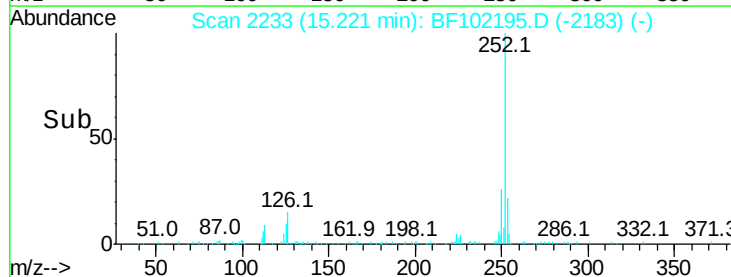
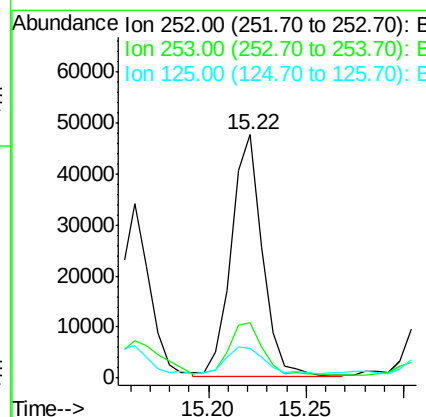
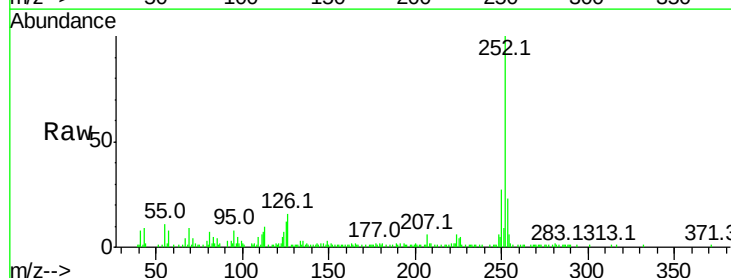
Instrument :
BNA_F
ClientSampleId :

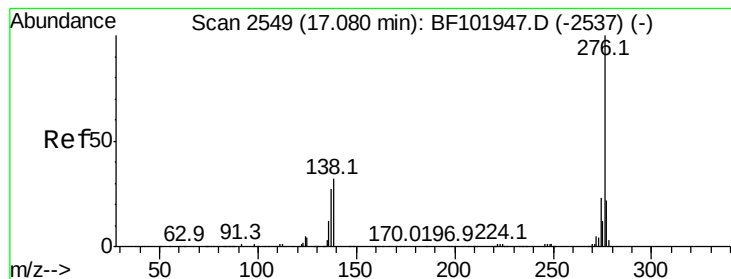
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	16.1	10.2	15.2



#89
Benzo(a)pyrene
Concen: 3.468 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF102195.D
Acq: 18 Jan 2018 16:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	12.3	9.8	14.6

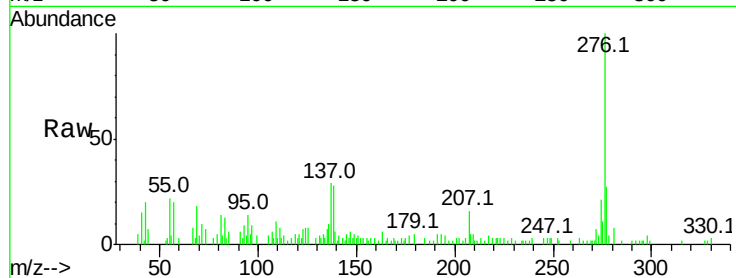




#91
 Benzo(a,h,i)perylene
 Concen: 2.755 ng
 RT: 17.07 min Scan# 2547
 Delta R.T. -0.01 min
 Lab File: BF102195.D
 Acq: 18 Jan 2018 16:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 276 Resp: 33480
 Ion Ratio Lower Upper
 276 100
 277 27.5 17.9 26.9#
 138 28.0 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

