

Data Path : U:\HPCHEM1\BNA F\DATA\BF011818\
 Data File : BF102194.D
 Acq On : 18 Jan 2018 16:31
 Operator : SJ/JU
 Sample : J1168-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 19 00:12:52 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	152660	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	622059	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	279941	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	453232	20.00	ng	0.00
75) Chrysene-d12	13.87	240	298590	20.00	ng	0.00
86) Perylene-d12	15.29	264	268718	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	927451	85.79	ng	0.00
7) Phenol-d6	6.36	99	1096534	85.01	ng	0.00
23) Nitrobenzene-d5	7.29	82	696396	65.79	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	226405	92.67	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1102401	61.52	ng	0.00
78) Terphenyl-d14	12.82	244	824756	57.35	ng	0.00

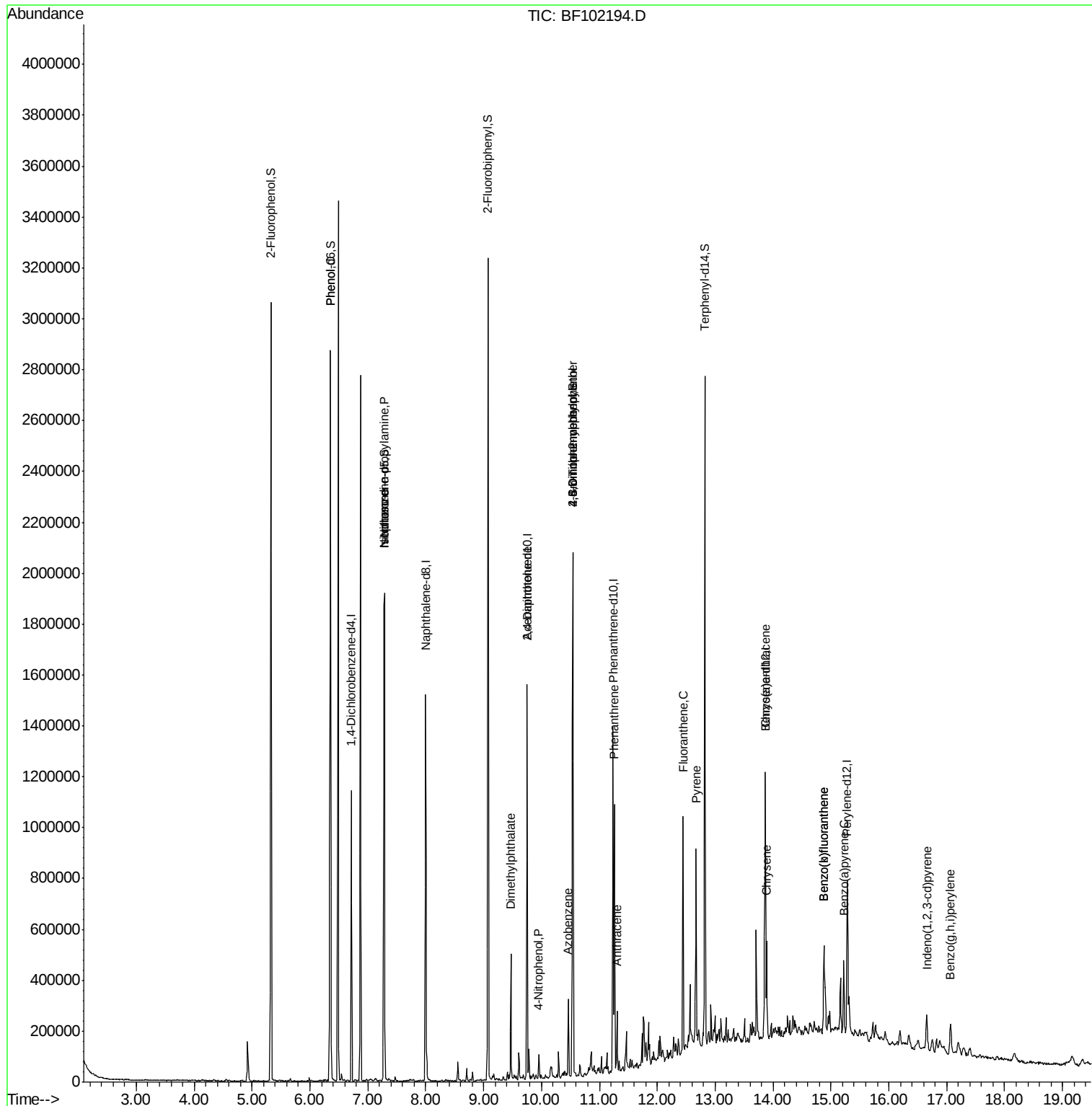
Target Compounds

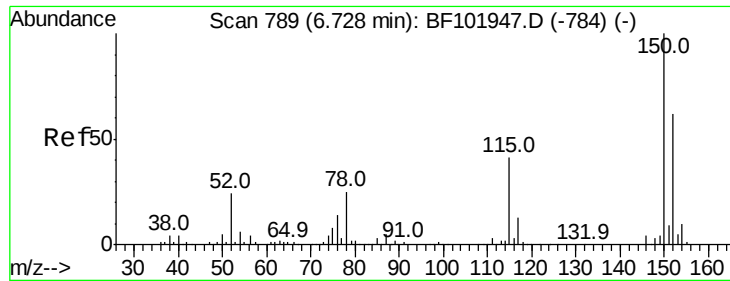
						Qvalue
10) Phenol	6.36	94	50196	3.444	ng	83
19) n-Nitroso-di-n-propylamine	7.29	70	93144	11.019	ng	# 76
25) Isophorone	7.29	82	692606	33.113	ng	# 64
49) Dimethylphthalate	9.47	163	181448	8.080	ng	99
55) 4-Nitrophenol	9.95	139	11250	2.666	ng	# 13
56) 2,4-Dinitrotoluene	9.75	165	36052	6.412	ng	# 23
62) Azobenzene	10.46	77	52422	2.359	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.54	198	404	5.807	ng	# 1
66) 4-Bromophenyl-phenylether	10.54	248	15031	3.140	ng	# 1
70) Phenanthrene	11.26	178	332990	12.578	ng	99
71) Anthracene	11.31	178	93957	3.499	ng	97
74) Fluoranthene	12.45	202	367209	14.098	ng	96
77) Pvrene	12.67	202	308811	11.700	ng	99
80) Benzo(a)anthracene	13.86	228	143812	7.549	ng	93
82) Chrysene	13.89	228	145984	7.349	ng	97
85) Indeno(1,2,3-cd)pyrene	16.65	276	84963	5.876	ng	97
87) Benzo(b)fluoranthene	14.88	252	236874	13.519	ng	# 97
88) Benzo(k)fluoranthene	14.88	252	236874	14.014	ng	98
89) Benzo(a)pvrene	15.22	252	125231	7.943	ng	98
91) Benzo(a,h,i)perylene	17.07	276	79591	6.280	ng	100

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

```
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Sample    : J1168-01  
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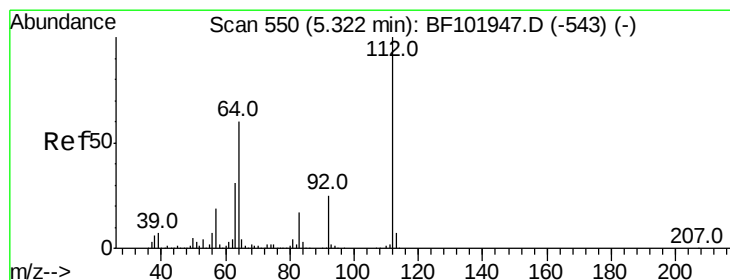
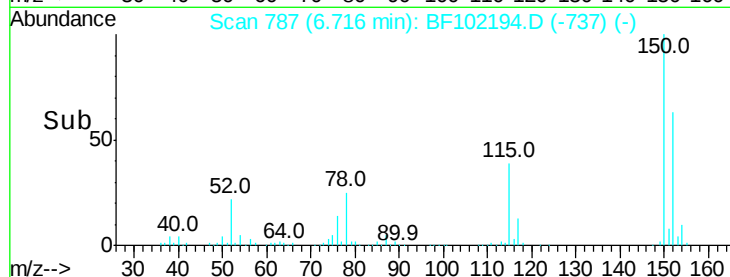
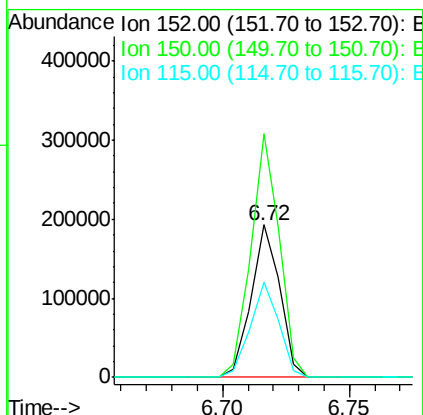
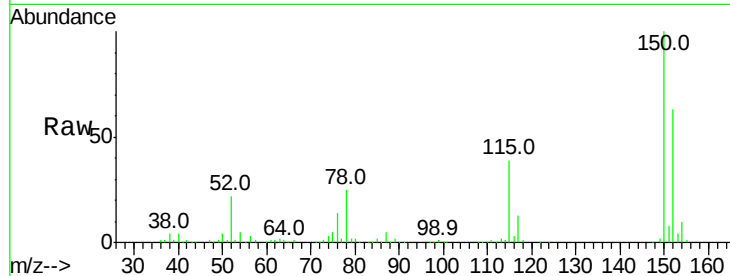


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF102194.D
Acq: 18 Jan 2018 16:31

Instrument :
BNA_F
ClientSampleId :

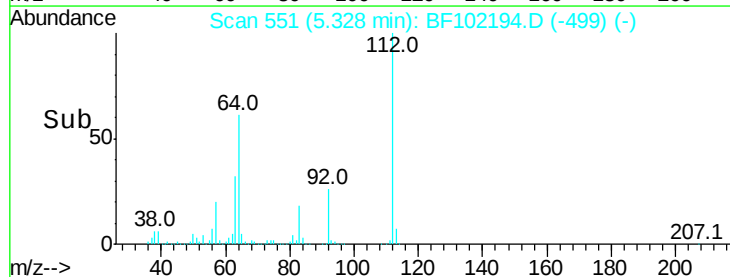
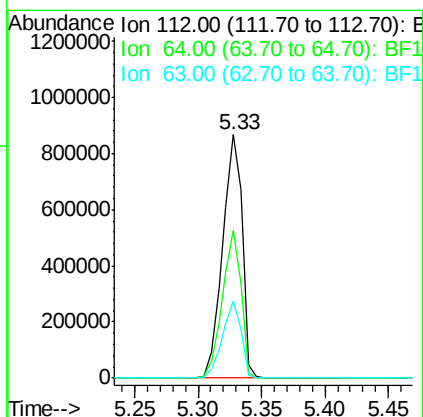
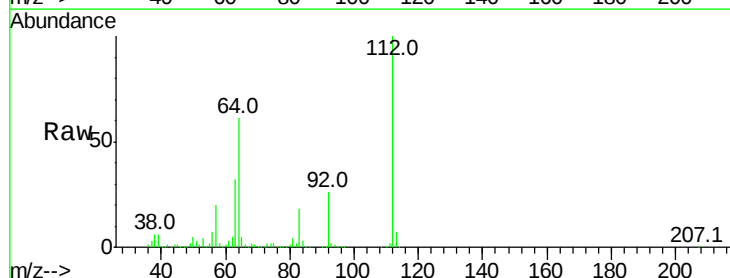
Tot Ion:152 Resp: 152660
Ion Ratio Lower Upper
152 100
150 159.8 124.6 186.8
115 62.6 50.1 75.1

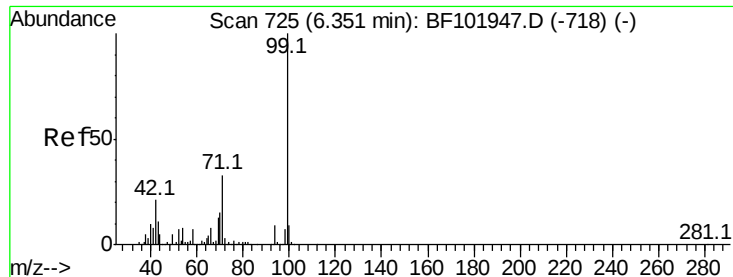


#5

2-Fluorophenol
Concen: 85.788 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102194.D
Acq: 18 Jan 2018 16:31

Tgt Ion:112 Resp: 927451
Ion Ratio Lower Upper
112 100
64 60.9 47.9 71.9
63 31.9 23.7 35.5





#7

Phenol-d6

Concen: 85.012 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF102194.D

Acq: 18 Jan 2018 16:31

Instrument :

BNA_F

ClientSampleId :

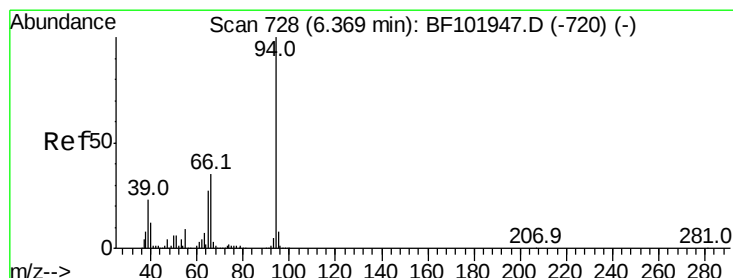
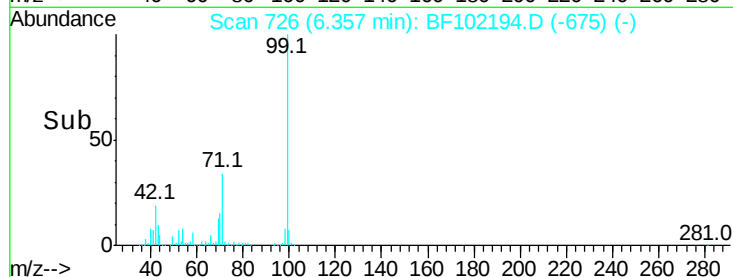
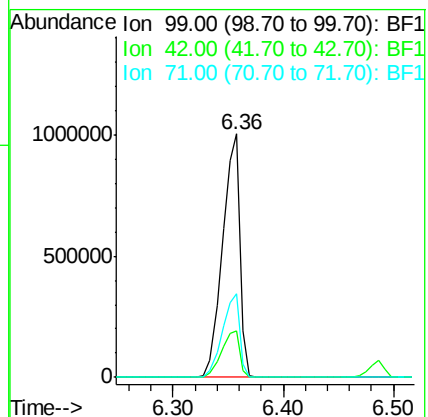
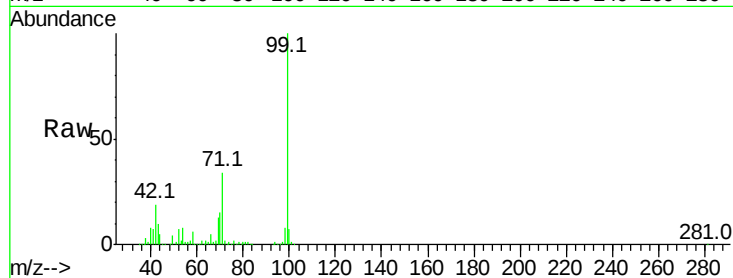
Tot Ion: 99 Resp: 1096534

Ion Ratio Lower Upper

99 100

42 19.1 14.5 21.7

71 34.2 25.4 38.0



#10

Phenol

Concen: 3.444 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF102194.D

Acq: 18 Jan 2018 16:31

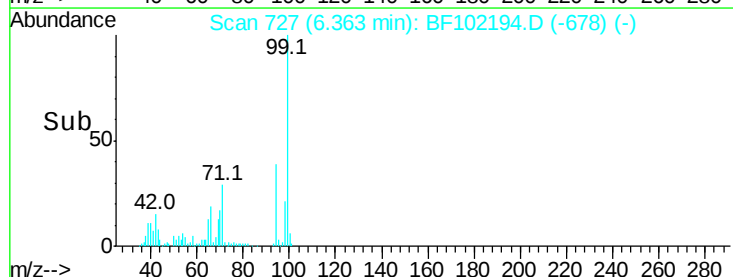
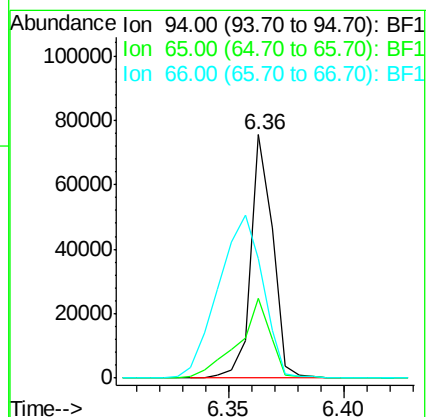
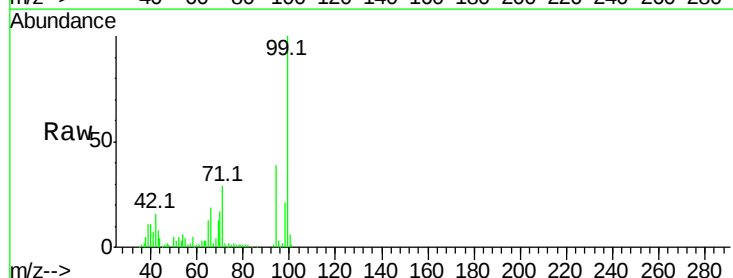
Tgt Ion: 94 Resp: 50196

Ion Ratio Lower Upper

94 100

65 32.8 7.9 47.9

66 49.2 16.2 56.2

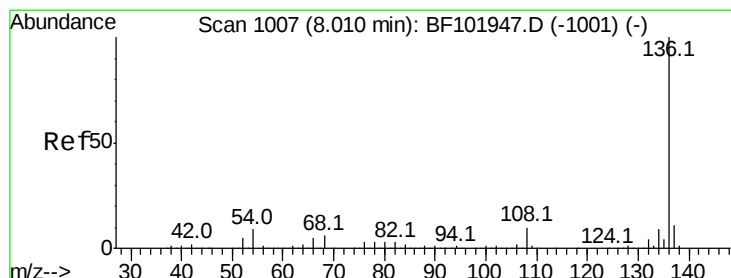
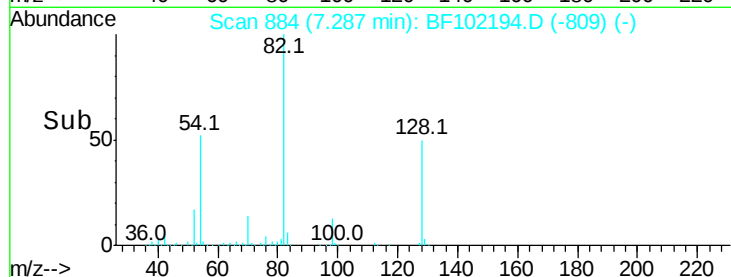
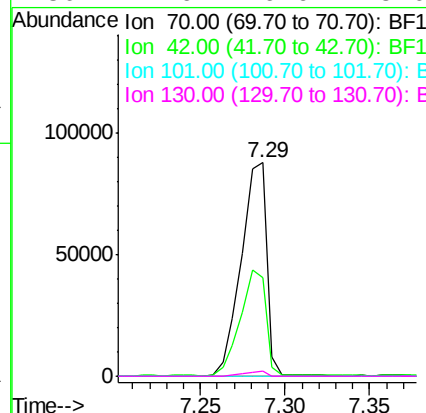
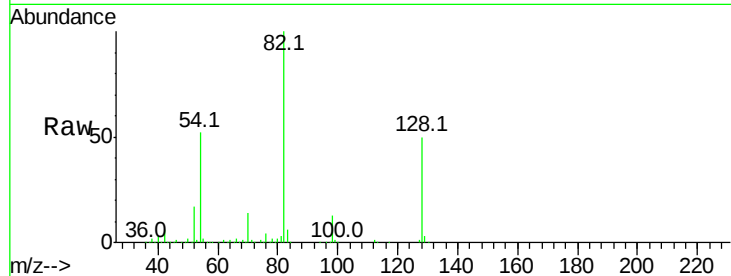




#19
n-Nitroso-di-n-propylamine
Concen: 11.019 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.14 min
Lab File: BF102194.D
Acq: 18 Jan 2018 16:31

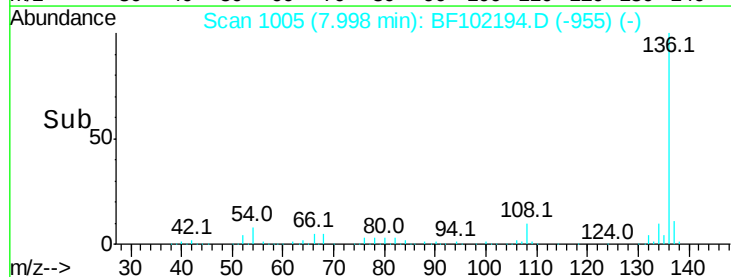
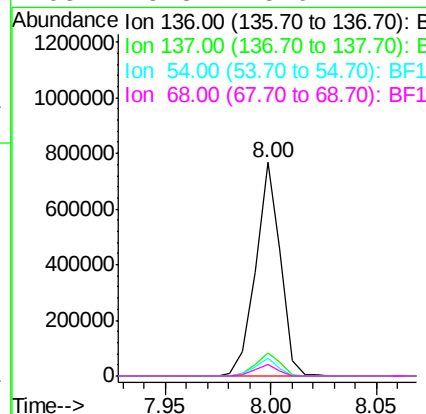
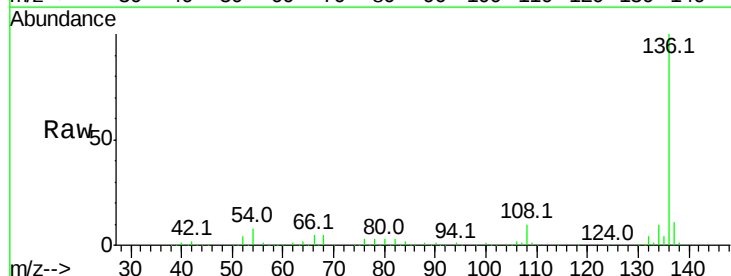
Instrument :
BNA_F
ClientSampleId :

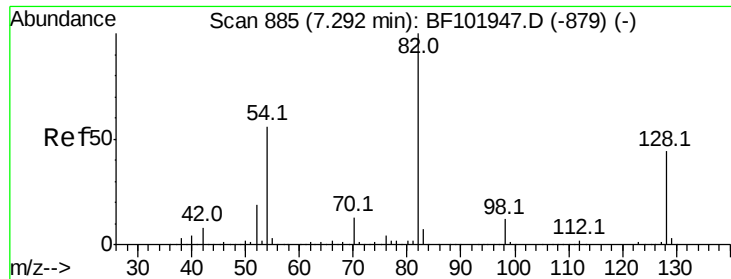
Tot Ion: 70 Resp: 93144
Ion Ratio Lower Upper
70 100
42 45.9 47.5 71.3#
101 0.0 7.4 11.2#
130 2.6 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF102194.D
Acq: 18 Jan 2018 16:31

Tgt Ion:136 Resp: 622059
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 8.2 6.6 9.8
68 5.3 5.0 7.4





#23

Nitrobenzene-d5

Concen: 65.786 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF102194.D

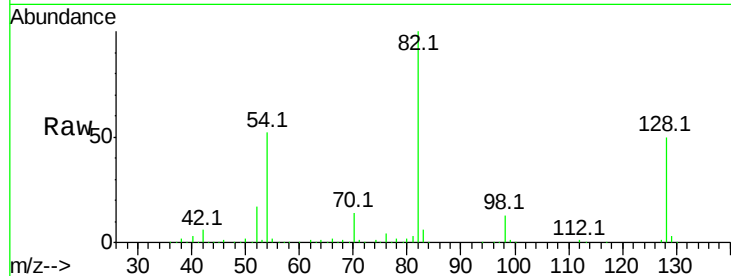
Acq: 18 Jan 2018 16:31

Instrument :

BNA_F

ClientSampled :

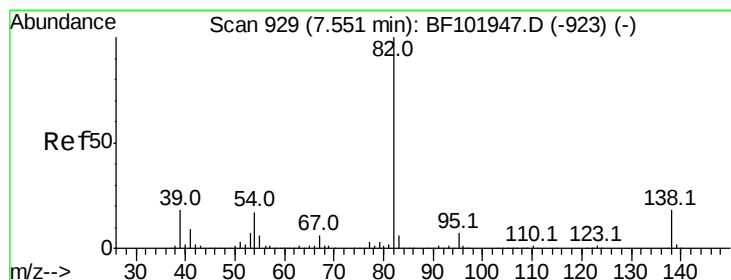
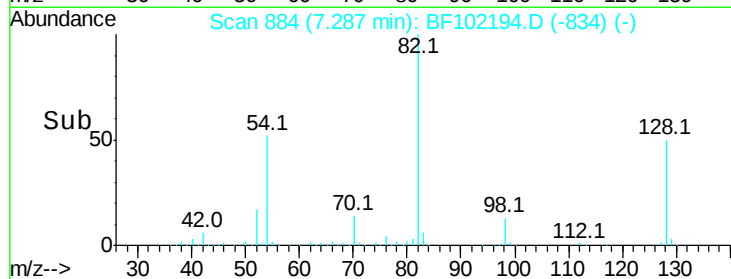
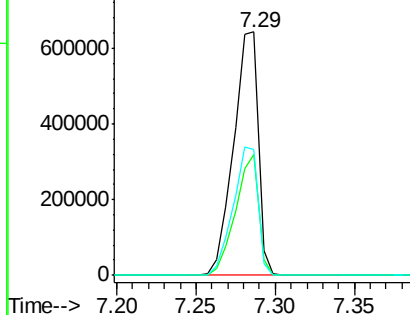
Tot Ion:	82	Resp:	696396
Ion Ratio	Lower	Upper	
82	100		
128	49.6	36.1	54.1
54	51.7	41.4	62.2



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: 33.113 ng

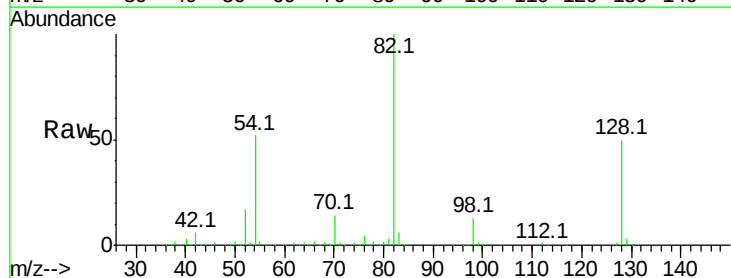
RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102194.D

Acq: 18 Jan 2018 16:31

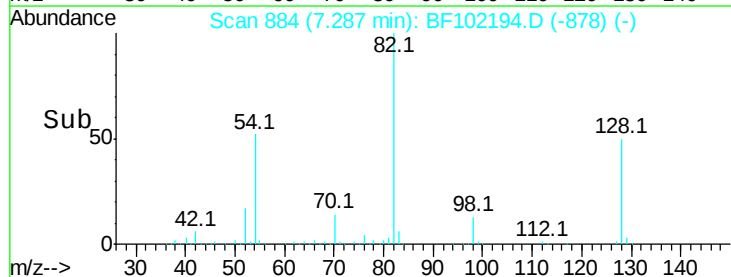
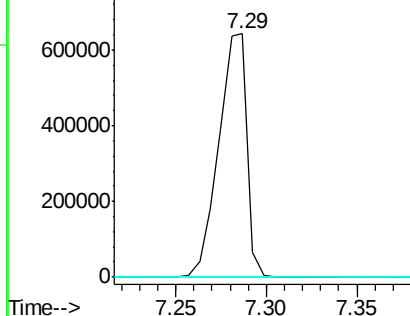
Tgt Ion:	82	Resp:	692606
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

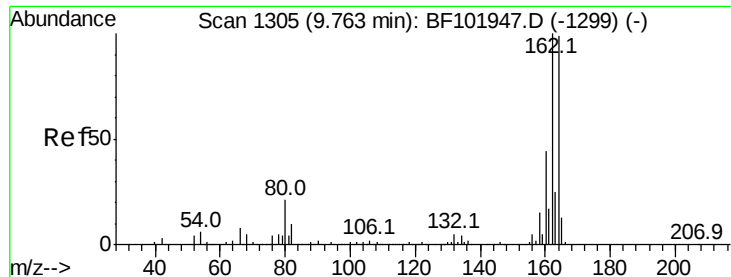


Abundance Ion 82.00 (81.70 to 82.70): BF1

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: BF102194.D

Acq: 18 Jan 2018 16:31

Instrument :

BNA_F

ClientSampleId :

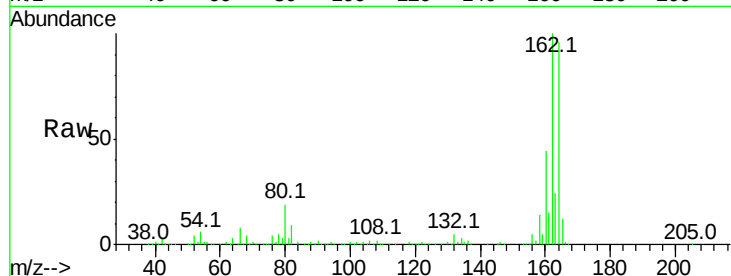
Tot Ion:164 Resp: 279941

Ion Ratio Lower Upper

164 100

162 104.5 86.1 129.1

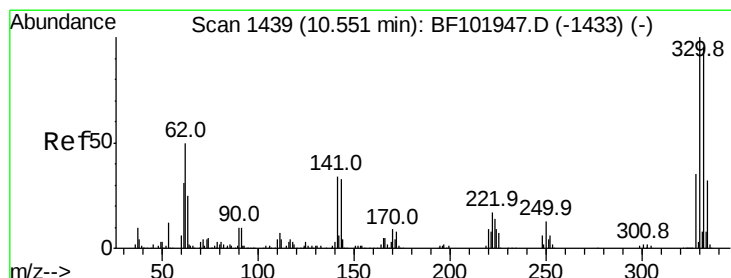
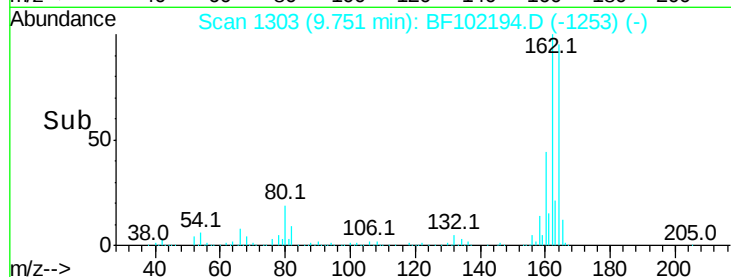
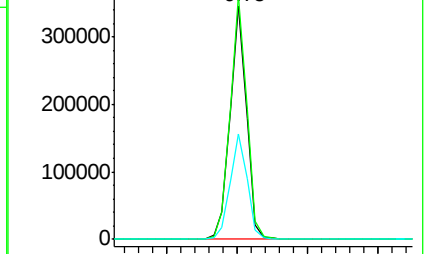
160 45.5 38.3 57.5



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: 92.675 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF102194.D

Acq: 18 Jan 2018 16:31

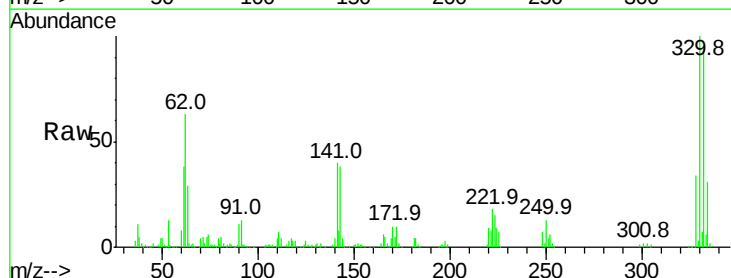
Tgt Ion:330 Resp: 226405

Ion Ratio Lower Upper

330 100

332 95.5 77.0 115.6

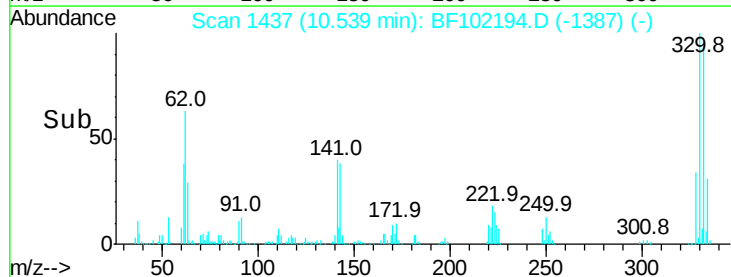
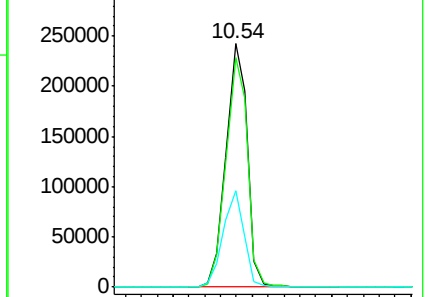
141 39.2 29.9 44.9



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

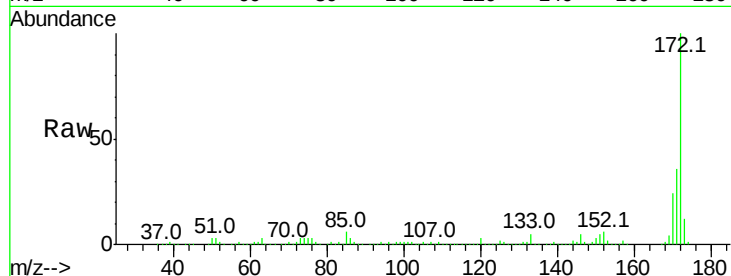




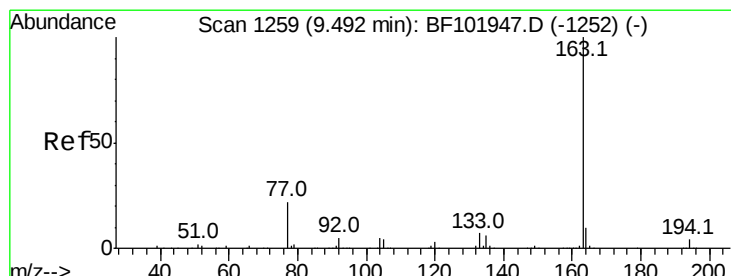
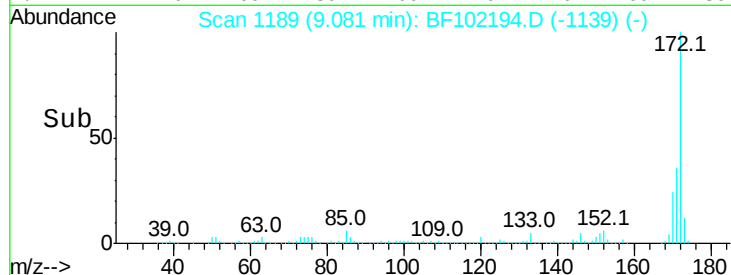
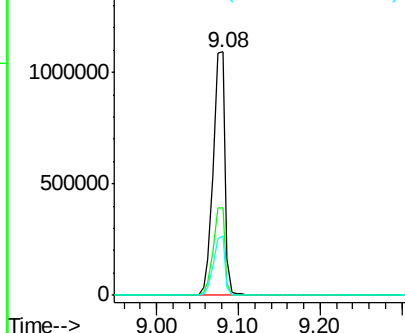
#44
2-Fluorobiphenyl
Concen: 61.522 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF102194.D
Acq: 18 Jan 2018 16:31

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1102401
Ion Ratio Lower Upper
172 100
171 35.9 29.7 44.5
170 24.1 19.6 29.4

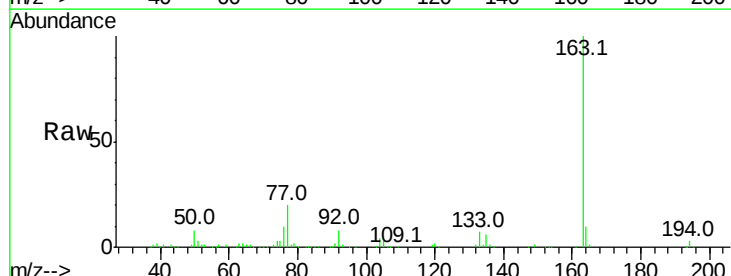


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

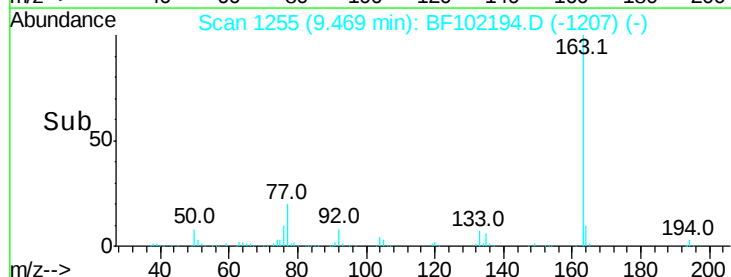
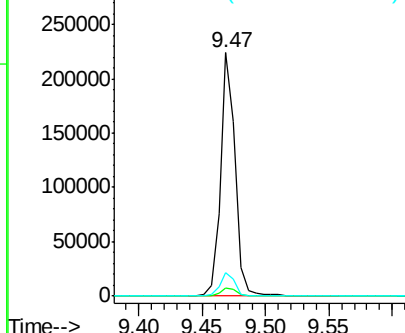


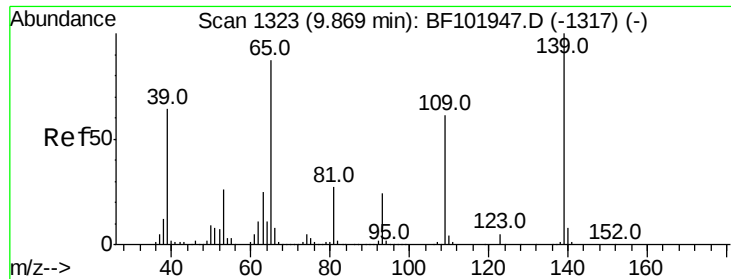
#49
Dimethylphthalate
Concen: 8.080 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.02 min
Lab File: BF102194.D
Acq: 18 Jan 2018 16:31

Tgt Ion:163 Resp: 181448
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 9.8 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

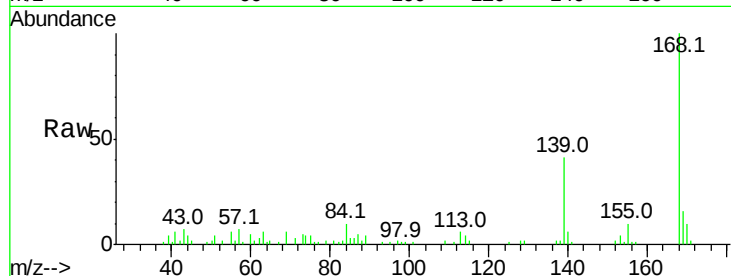




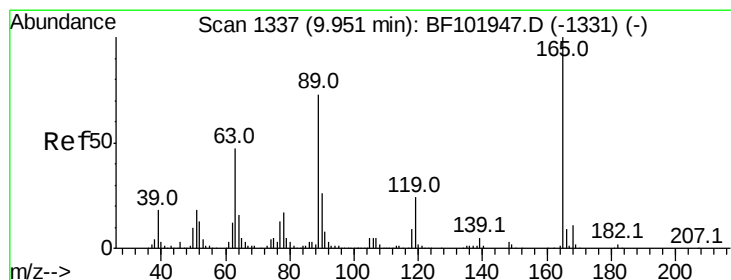
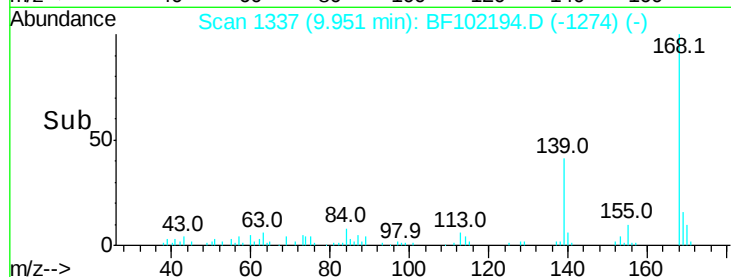
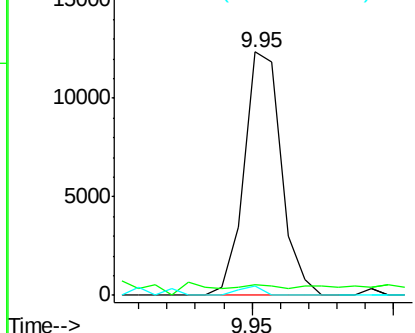
#55
4-Nitrophenol
Concen: 2.666 ng
RT: 9.95 min Scan# 1337
Delta R.T. 0.07 min
Lab File: BF102194.D
Acq: 18 Jan 2018 16:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	4.2	48.4	88.4#
65	3.7	72.6	112.6#

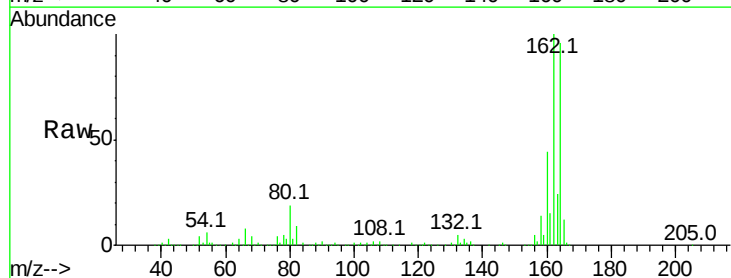


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

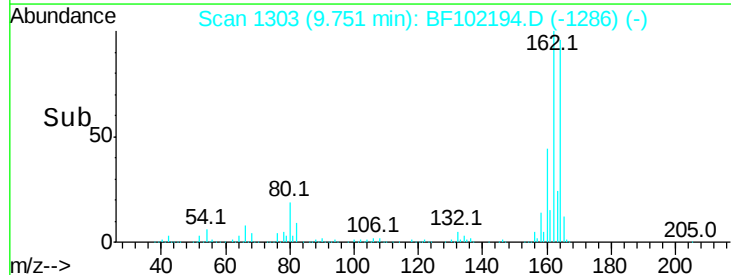
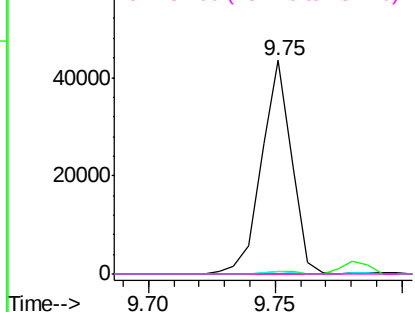


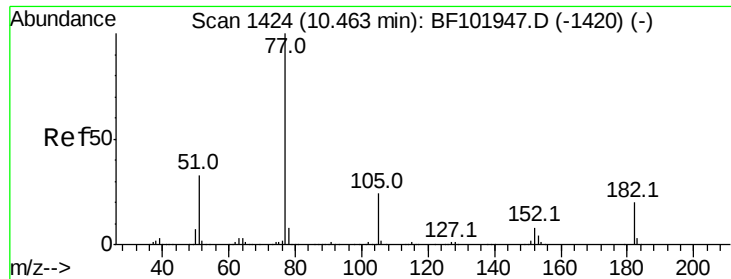
#56
2,4-Dinitrotoluene
Concen: 6.412 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.20 min
Lab File: BF102194.D
Acq: 18 Jan 2018 16:31

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.3	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

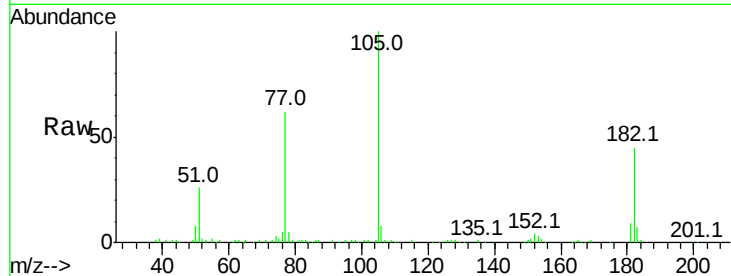




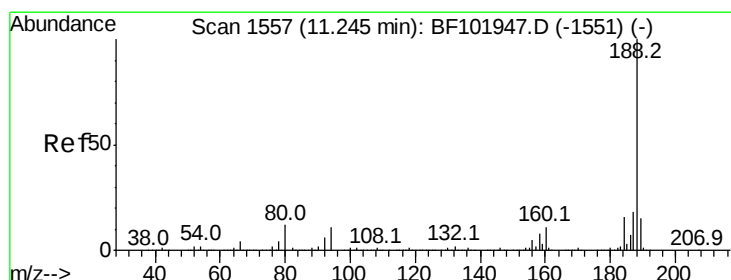
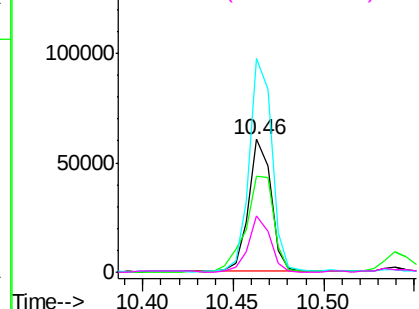
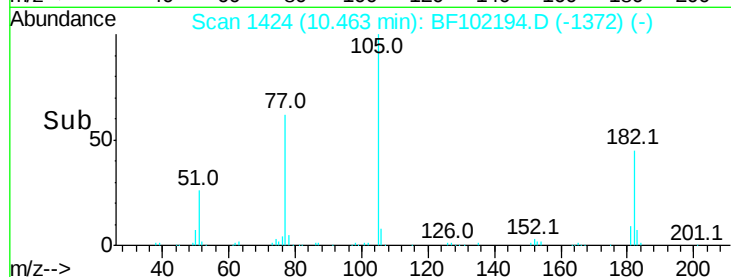
#62
Azobenzene
Concen: 2.359 ng
RT: 10.46 min Scan# 1424
Delta R.T. 0.01 min
Lab File: BF102194.D
Acq: 18 Jan 2018 16:31

Instrument :
BNA_F
ClientSampled :

Tot Ion: 77 Resp: 52422
Ion Ratio Lower Upper
77 100
182 72.6 1.7 41.7#
105 161.1 3.0 43.0#
51 42.5 9.9 49.9

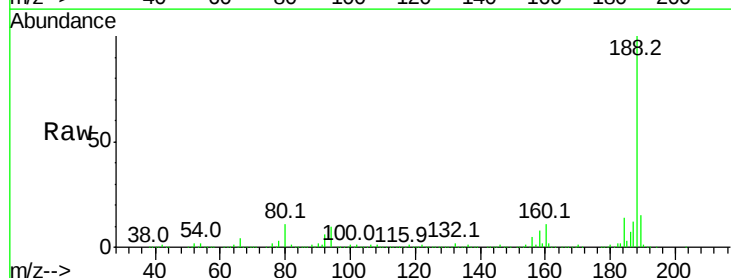


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

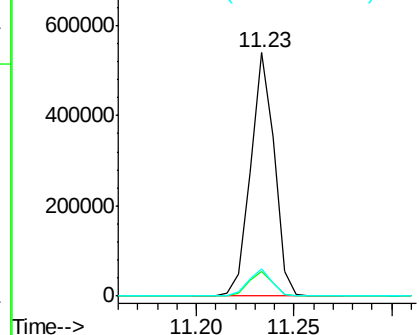
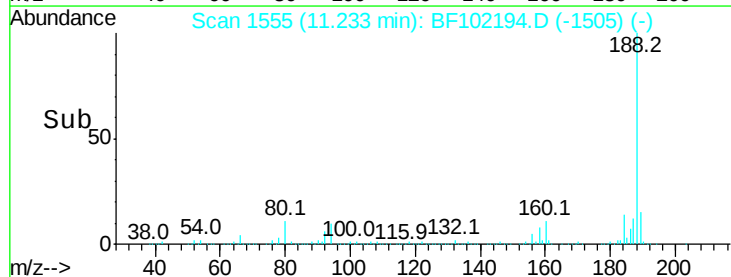


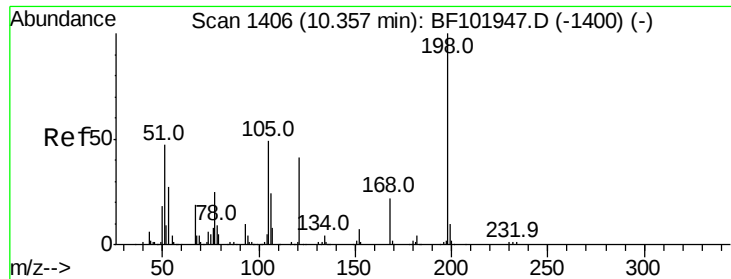
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102194.D
Acq: 18 Jan 2018 16:31

Tgt Ion: 188 Resp: 453232
Ion Ratio Lower Upper
188 100
94 10.0 8.5 12.7
80 11.1 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: 5.807 ng

RT: 10.54 min Scan# 1437

Delta R.T. 0.18 min

Lab File: BF102194.D

Acq: 18 Jan 2018 16:31

Instrument :

BNA_F

ClientSampleId :

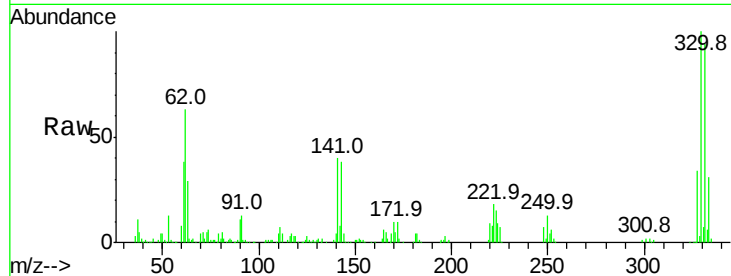
Tot Ion:198 Resp: 404

Ion Ratio Lower Upper

198 100

51 249.3 37.7 77.7#

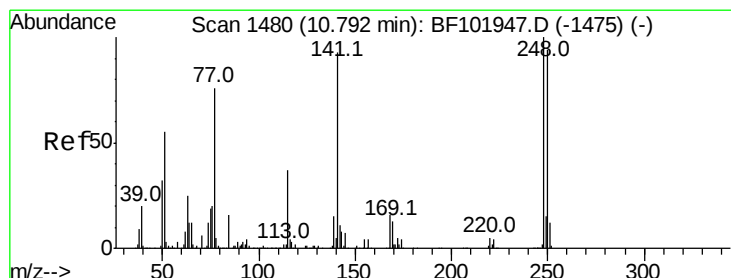
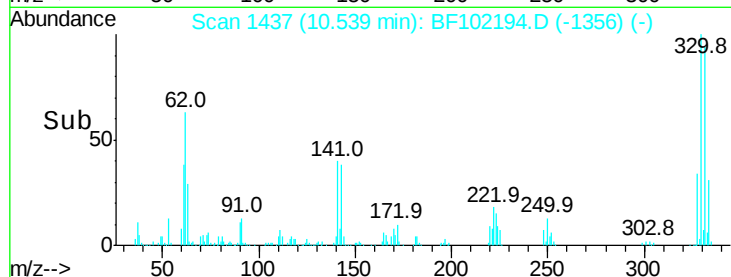
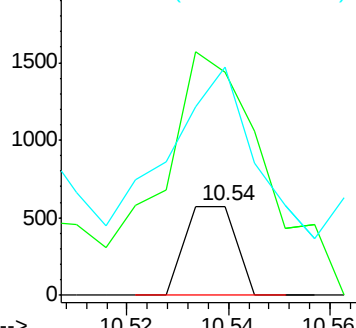
105 254.9 36.3 76.3#



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: 3.140 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.25 min

Lab File: BF102194.D

Acq: 18 Jan 2018 16:31

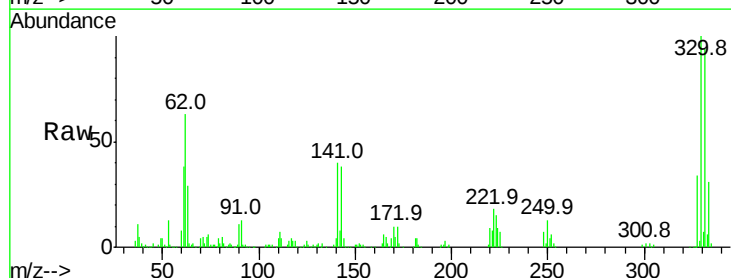
Tgt Ion:248 Resp: 15031

Ion Ratio Lower Upper

248 100

250 190.5 76.9 115.3#

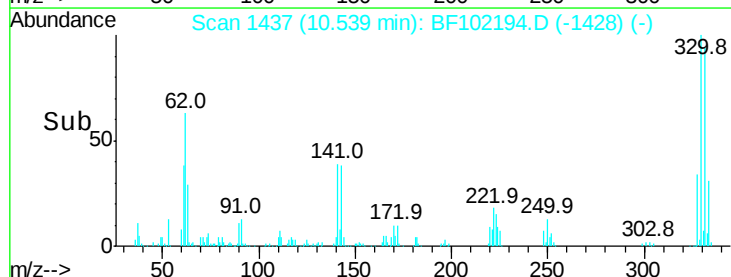
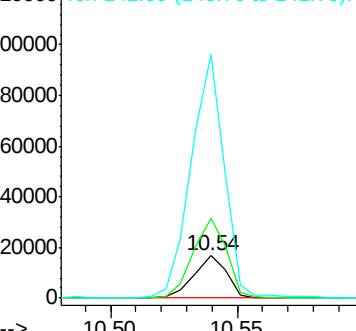
141 579.2 74.4 111.6#

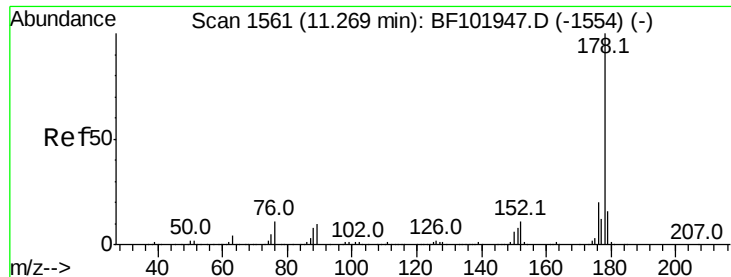


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 12.578 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF102194.D

Acq: 18 Jan 2018 16:31

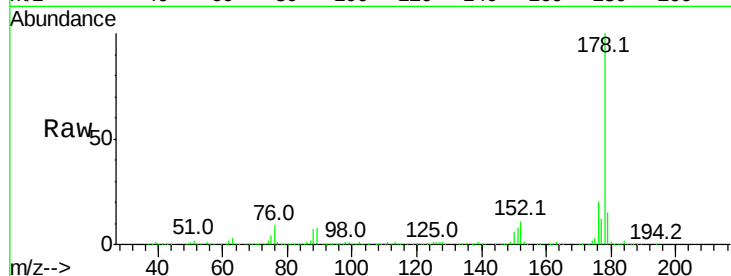
Instrument :

BNA_F

ClientSampled :

Tot Ion:178 Resp: 332990

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.2	13.0	19.6

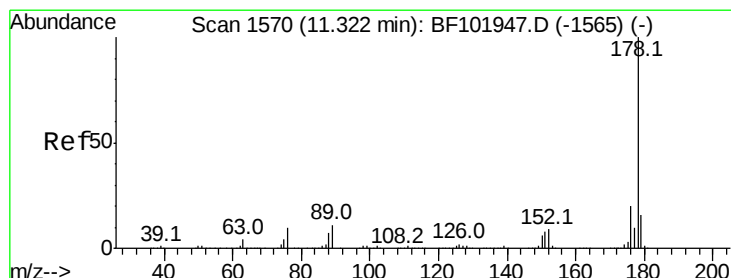
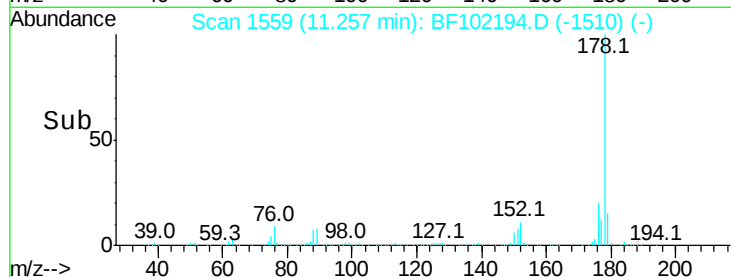
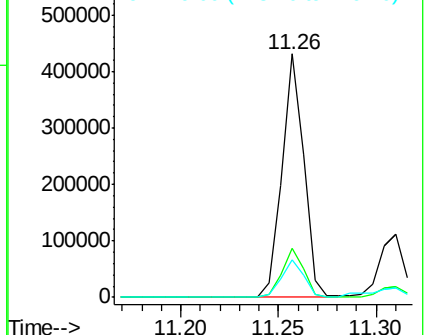


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 3.499 ng

RT: 11.31 min Scan# 1568

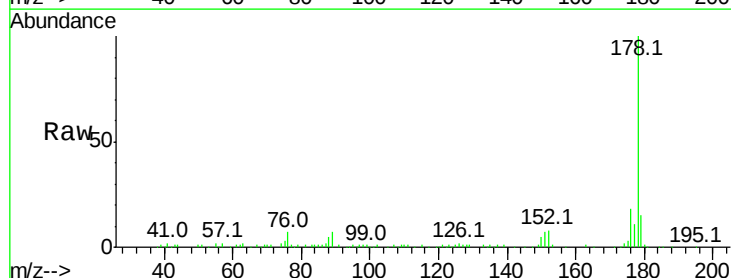
Delta R.T. -0.01 min

Lab File: BF102194.D

Acq: 18 Jan 2018 16:31

Tgt Ion:178 Resp: 93957

Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.4	23.2
179	14.7	12.6	19.0

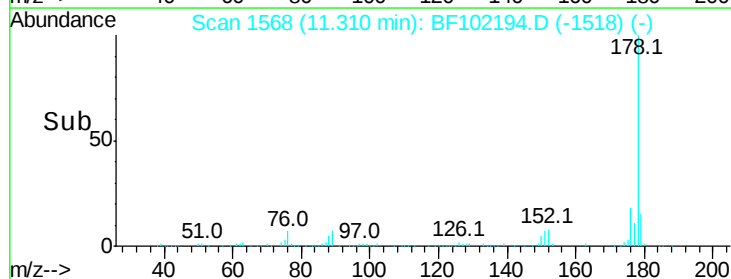
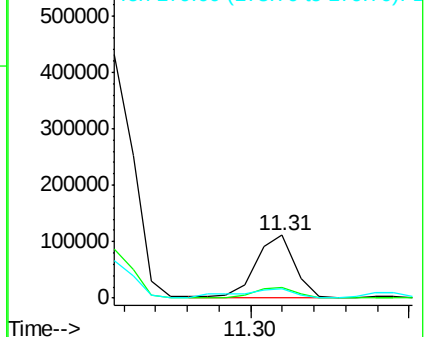


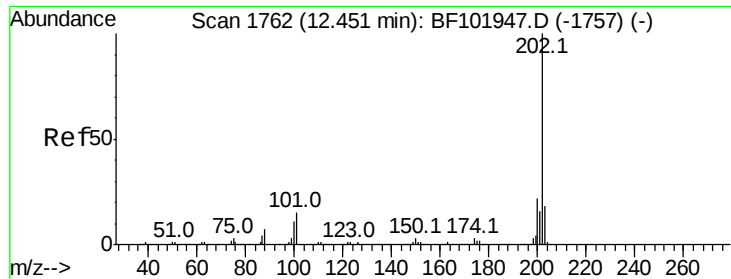
Abundance

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

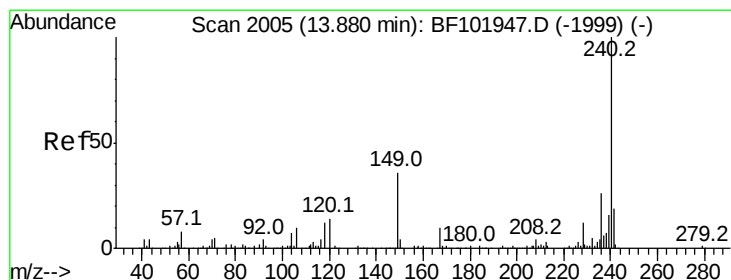
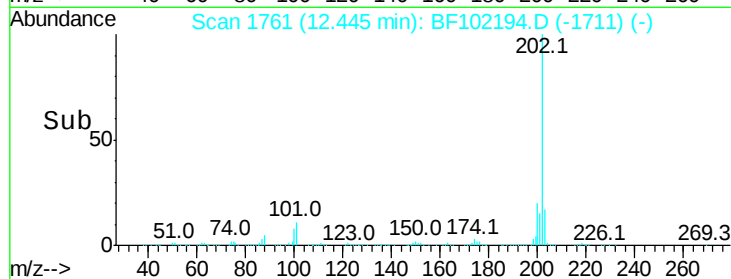
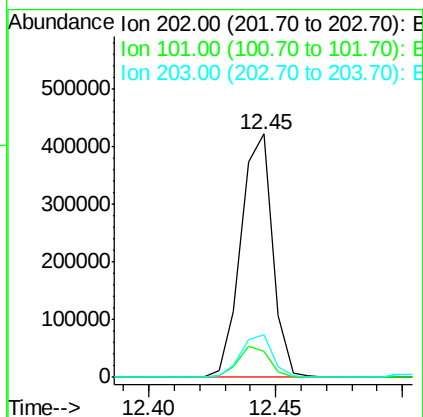
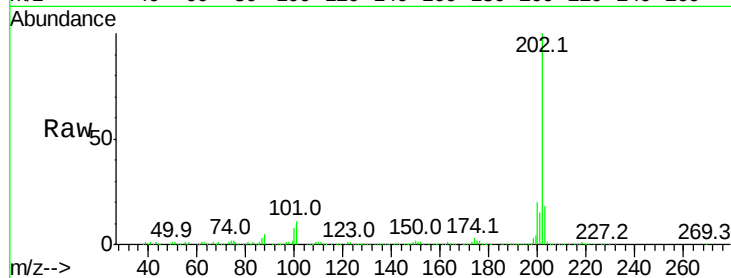




#74
Fluoranthene
Concen: 14.098 ng
RT: 12.45 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BF102194.D
Acq: 18 Jan 2018 16:31

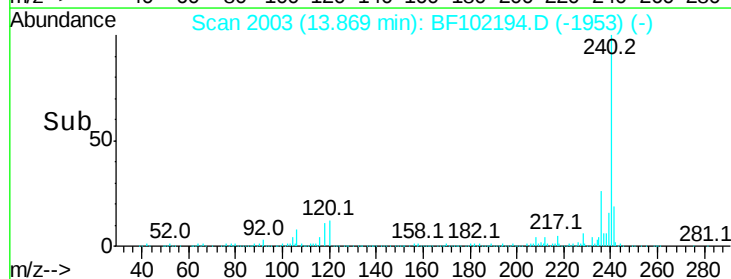
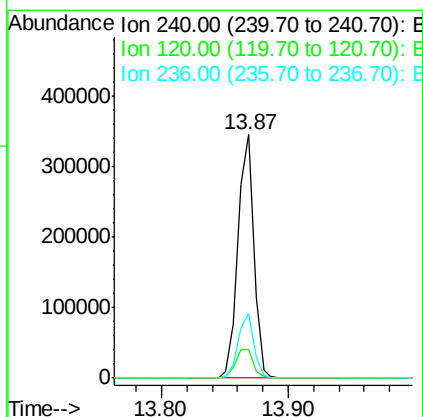
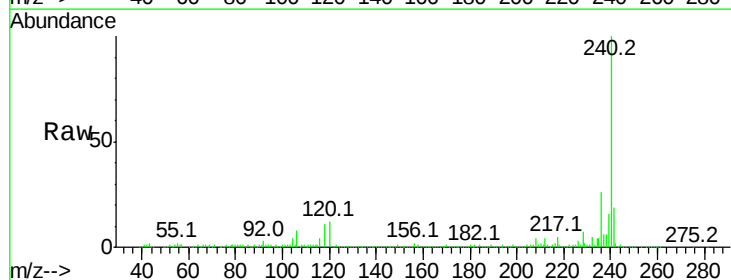
Instrument :
BNA_F
ClientSampled :

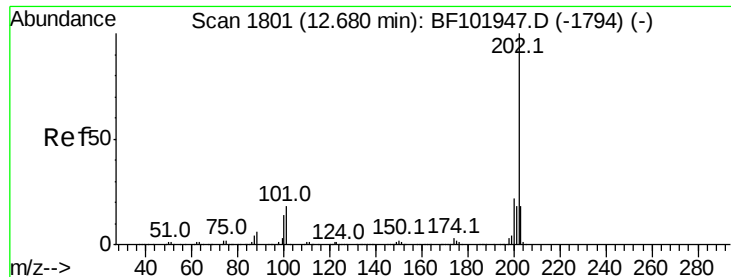
Tot Ion:202 Resp: 367209
Ion Ratio Lower Upper
202 100
101 10.9 0.0 34.1
203 17.6 0.0 38.1



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF102194.D
Acq: 18 Jan 2018 16:31

Tgt Ion:240 Resp: 298590
Ion Ratio Lower Upper
240 100
120 11.7 9.5 14.3
236 26.4 20.7 31.1





#77

Pvrene

Concen: 11.700 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF102194.D

Acq: 18 Jan 2018 16:31

Instrument :

BNA_F

ClientSampleId :

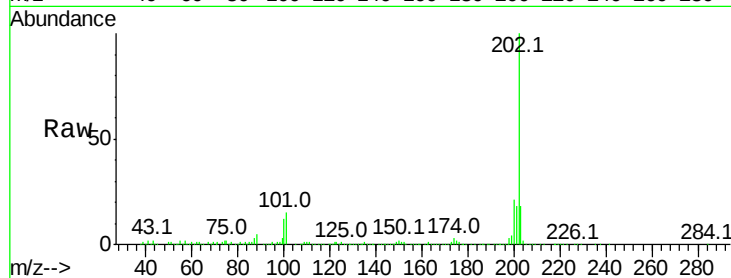
Tot Ion:202 Resp: 308811

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

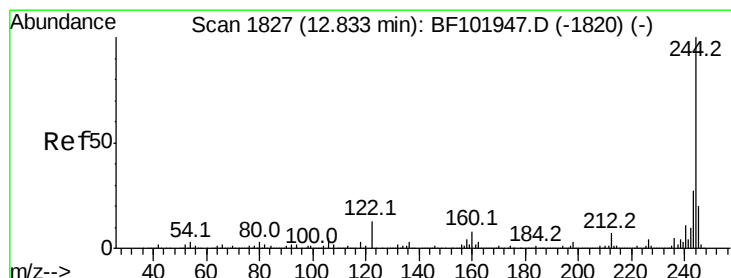
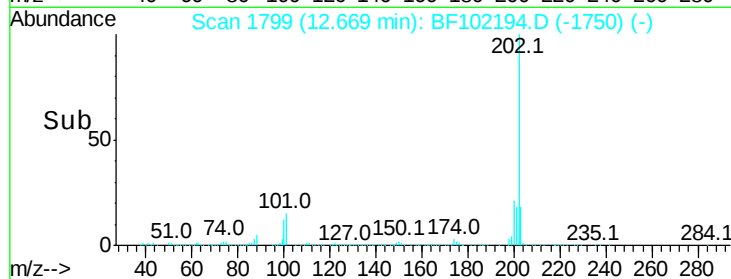
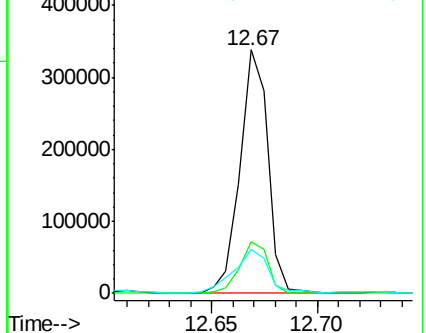
203 18.3 14.3 21.5



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: 57.350 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102194.D

Acq: 18 Jan 2018 16:31

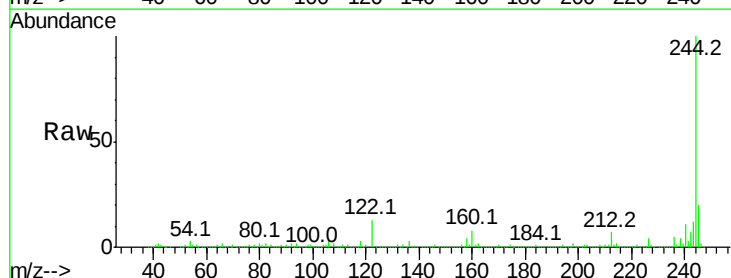
Tgt Ion:244 Resp: 824756

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

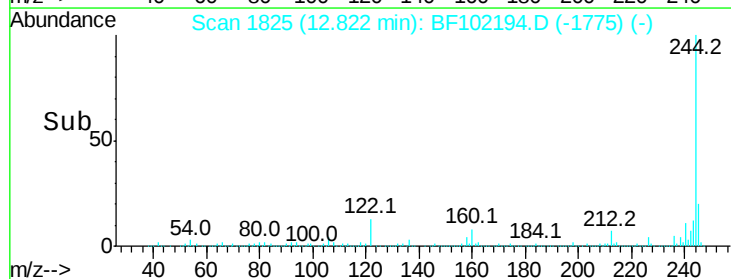
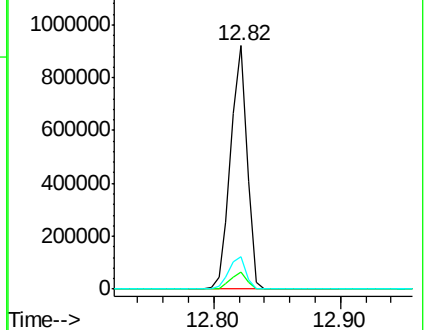
122 13.2 11.0 16.4

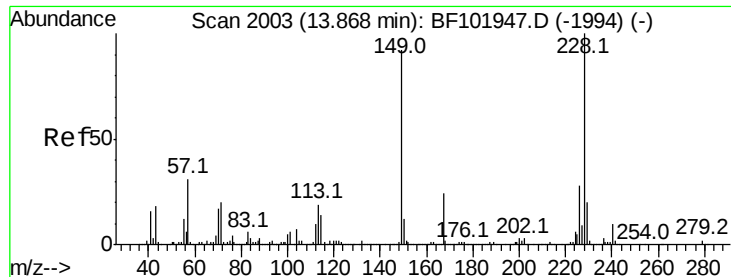


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

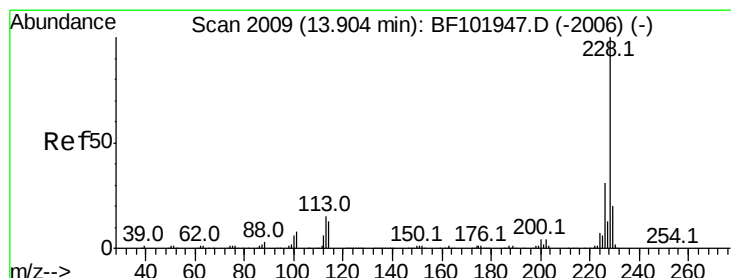
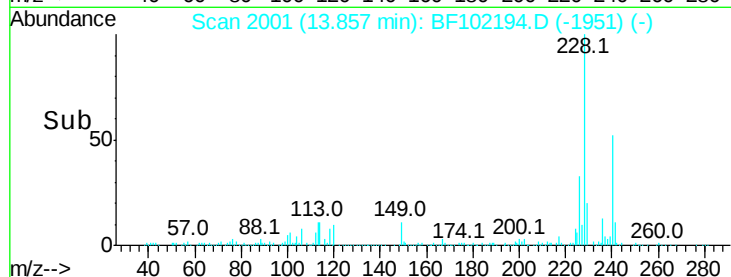
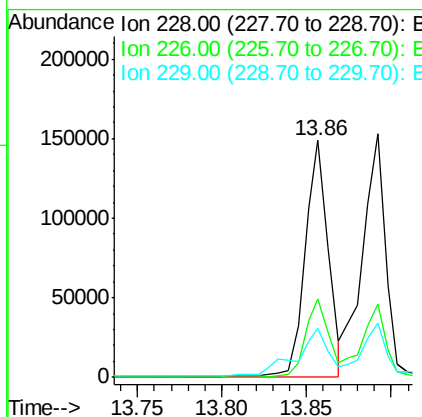
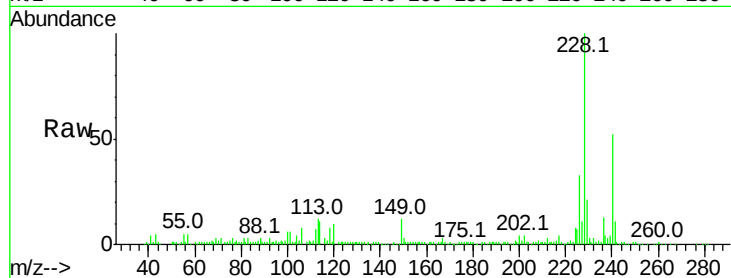




#80
Benzo(a)anthracene
Concen: 7.549 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF102194.D
Acq: 18 Jan 2018 16:31

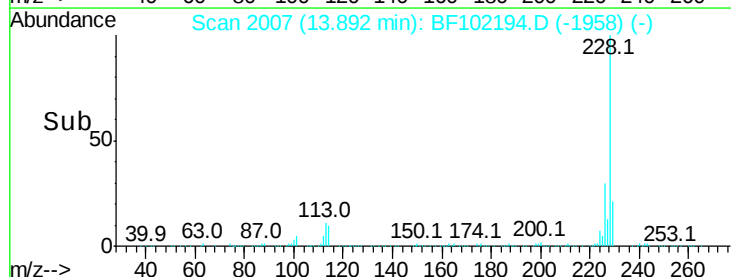
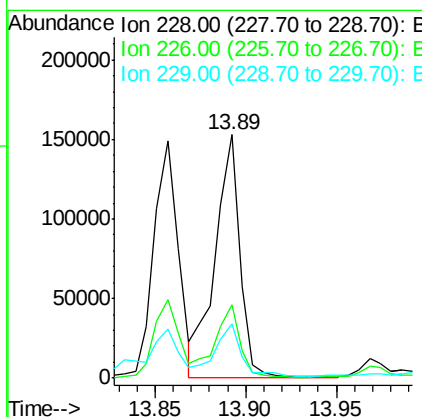
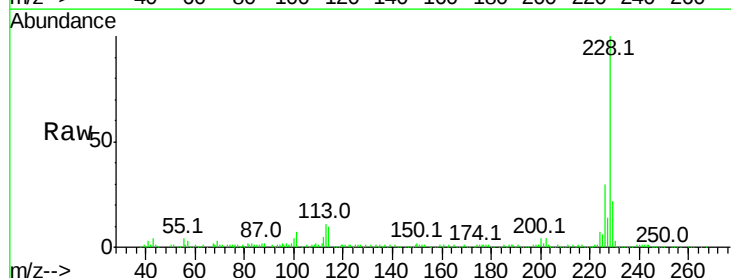
Instrument :
BNA_F
ClientSampleId :

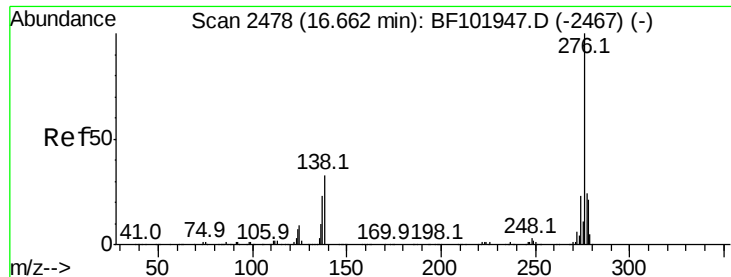
Tot Ion:228 Resp: 143812
Ion Ratio Lower Upper
228 100
226 33.3 22.6 33.8
229 20.9 15.8 23.6



#82
Chrysene
Concen: 7.349 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF102194.D
Acq: 18 Jan 2018 16:31

Tgt Ion:228 Resp: 145984
Ion Ratio Lower Upper
228 100
226 30.2 25.0 37.6
229 22.2 16.2 24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 5.876 ng

RT: 16.65 min Scan# 2476

Delta R.T. -0.01 min

Lab File: BF102194.D

Acq: 18 Jan 2018 16:31

Instrument :

BNA_F

ClientSampleId :

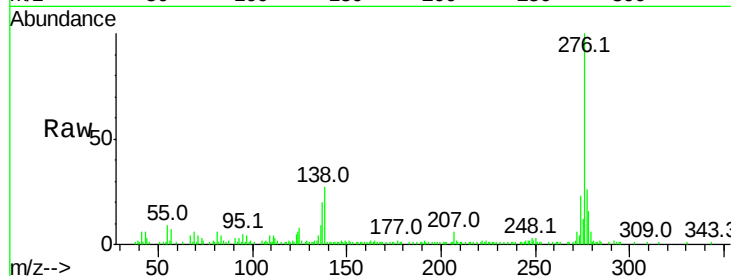
Tot Ion:276 Resp: 84963

Ion Ratio Lower Upper

276 100

138 28.6 25.0 37.6

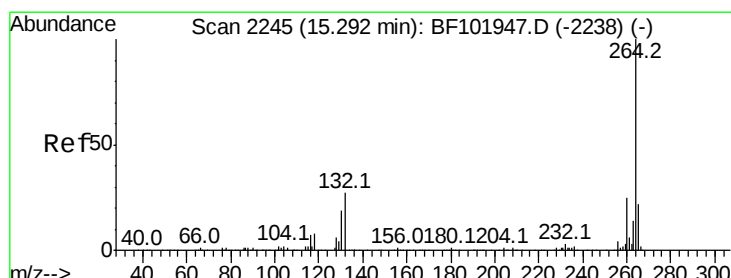
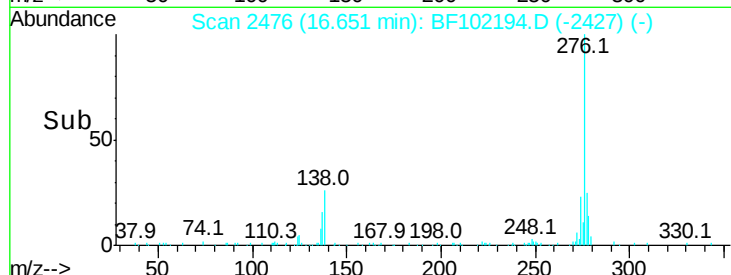
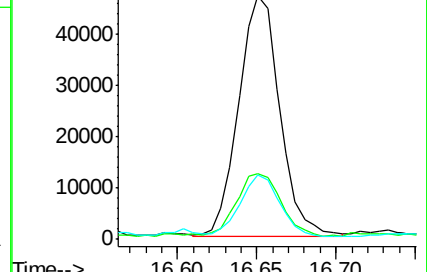
277 25.1 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2244

Delta R.T. 0.00 min

Lab File: BF102194.D

Acq: 18 Jan 2018 16:31

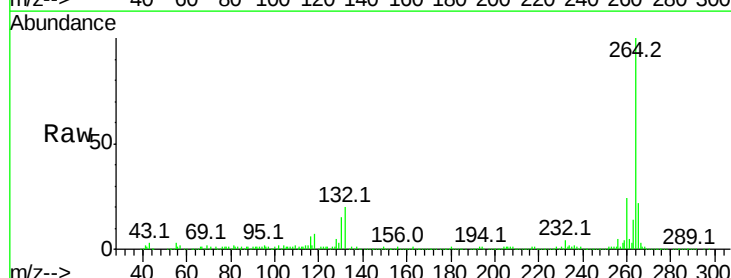
Tgt Ion:264 Resp: 268718

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

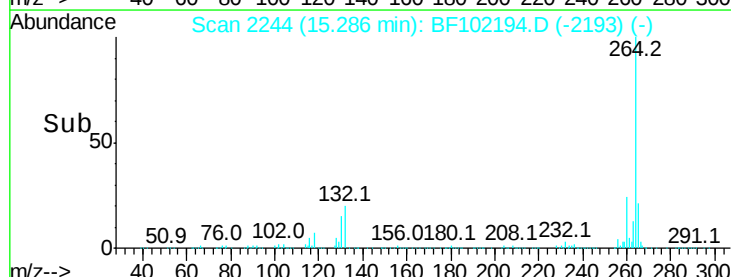
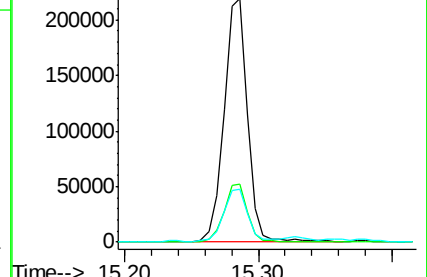
265 21.6 17.5 26.3

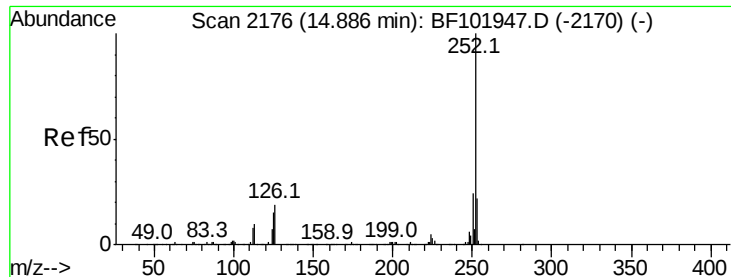


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

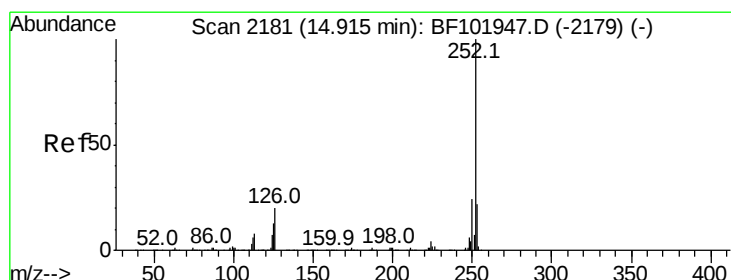
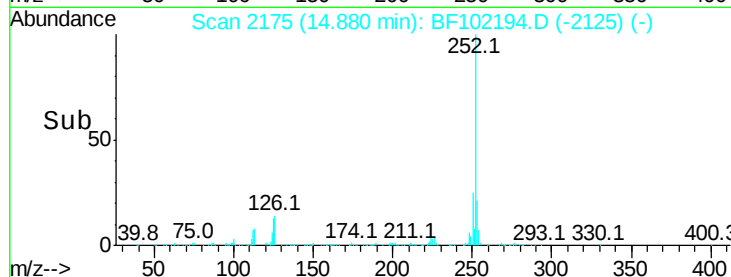
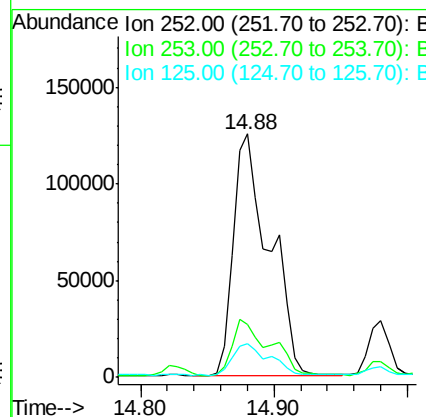
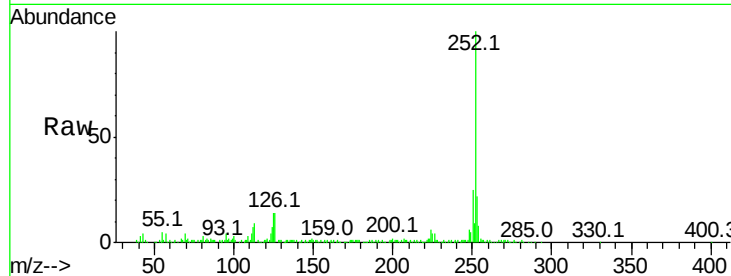




#87
Benzo(b)fluoranthene
Concen: 13.519 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BF102194.D
Acq: 18 Jan 2018 16:31

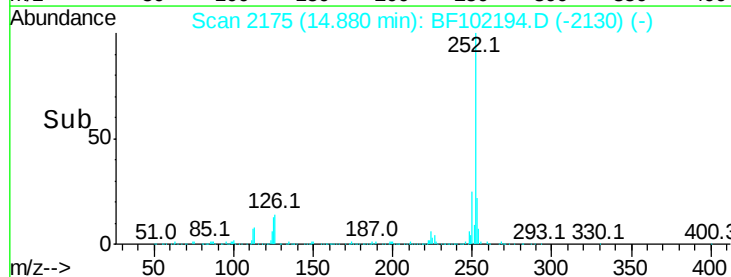
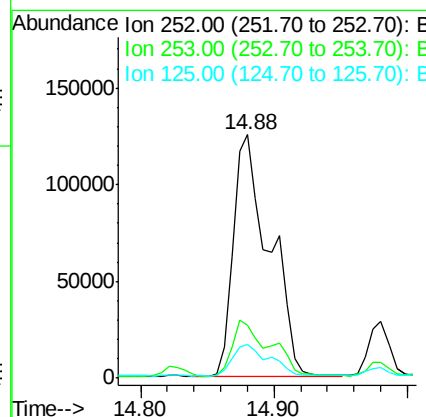
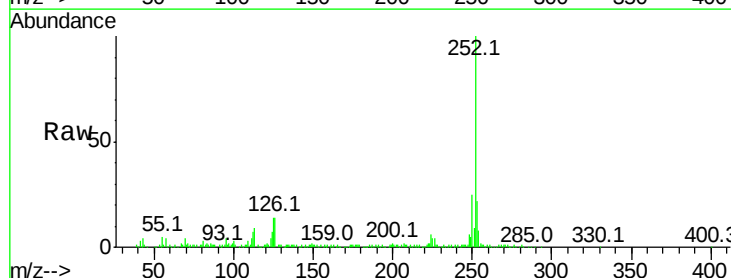
Instrument :
BNA_F
ClientSampleId :

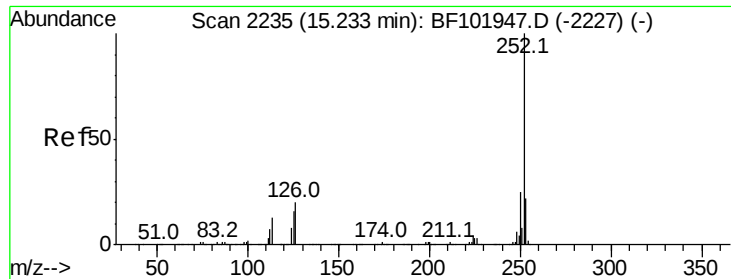
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.6
125	13.8	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 14.014 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.04 min
Lab File: BF102194.D
Acq: 18 Jan 2018 16:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	13.8	10.2	15.2

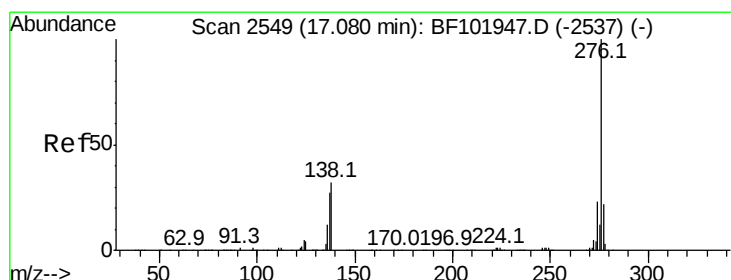
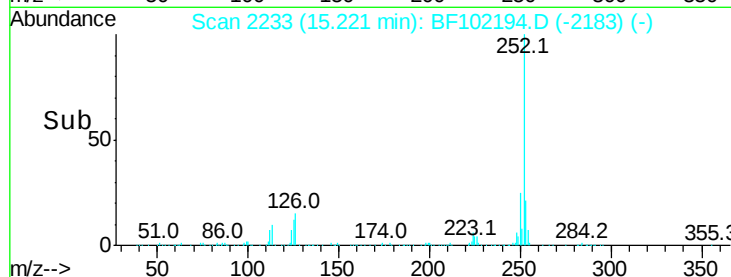
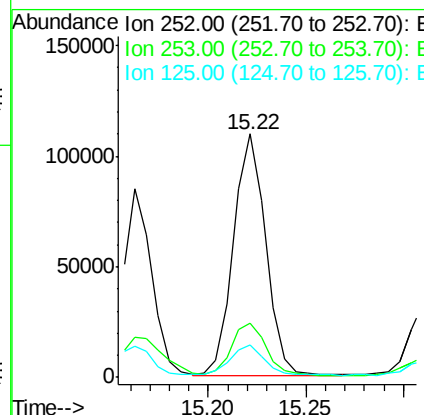
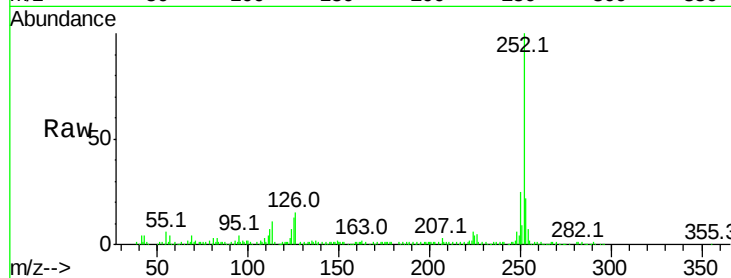




#89
Benzo(a)pyrene
Concen: 7.943 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF102194.D
Acq: 18 Jan 2018 16:31

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	13.3	9.8	14.6



#91
Benzo(g,h,i)perylene
Concen: 6.280 ng
RT: 17.07 min Scan# 2547
Delta R.T. -0.01 min
Lab File: BF102194.D
Acq: 18 Jan 2018 16:31

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.2	17.9	26.9
138	27.2	21.8	32.8

