

Data Path : U:\HPCHEM1\BNA F\DATA\BF011118\
 Data File : BF102036.D
 Acq On : 11 Jan 2018 23:14
 Operator : SJ/JU
 Sample : J1078-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB-6-OW(8-32)

Quant Time: Jan 12 02:19:56 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	201212	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	763333	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	287169	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	388136	20.00	ng	0.00
75) Chrysene-d12	13.87	240	349856	20.00	ng	0.00
86) Perylene-d12	15.29	264	395542	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.34	112	1300287	91.25	ng	0.01
7) Phenol-d6	6.36	99	1491433	87.73	ng	0.00
23) Nitrobenzene-d5	7.29	82	925125	71.22	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	221004	88.19	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	1258322	68.46	ng	0.00
78) Terphenyl-d14	12.83	244	759832	45.09	ng	0.00

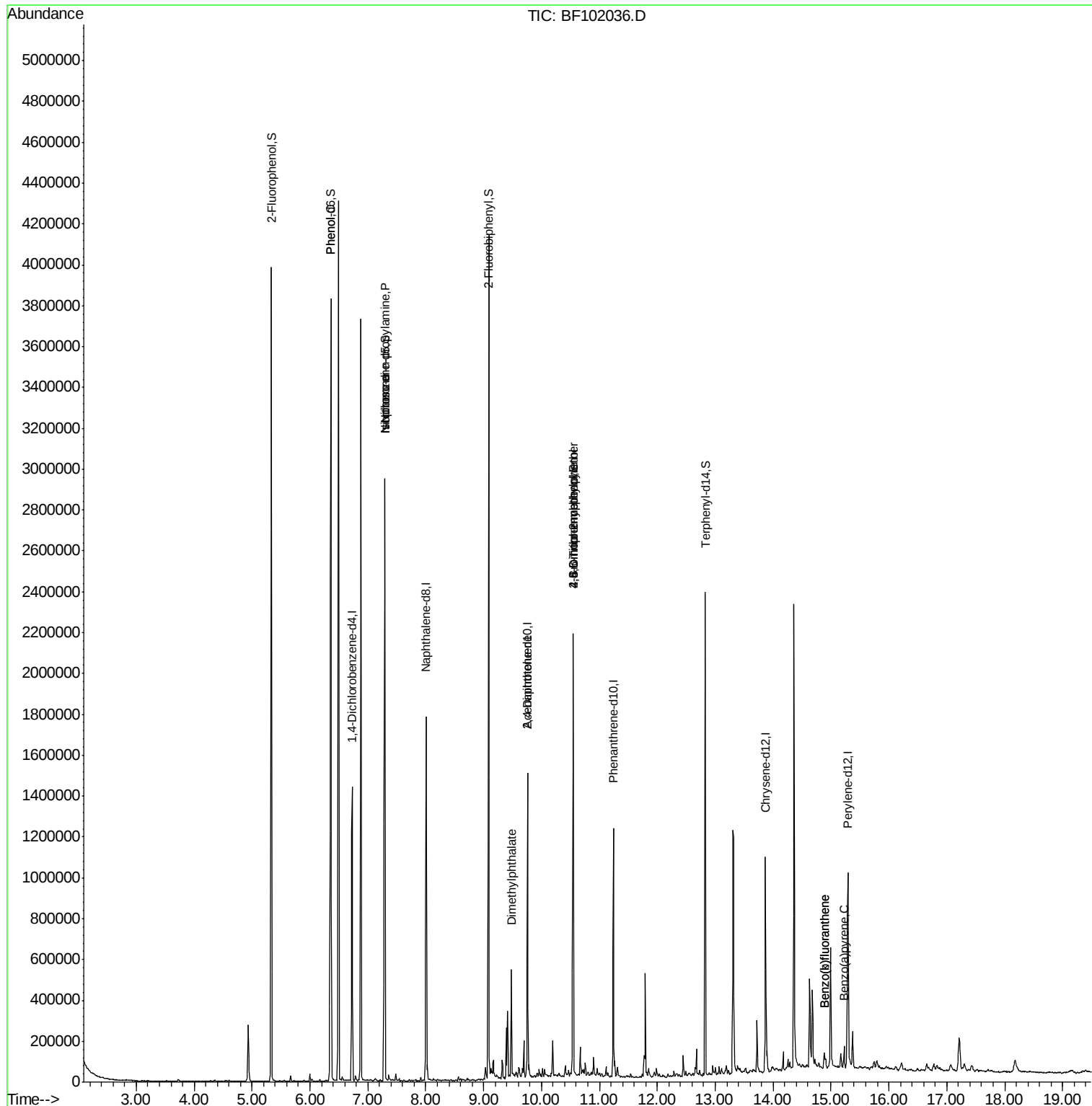
Target Compounds

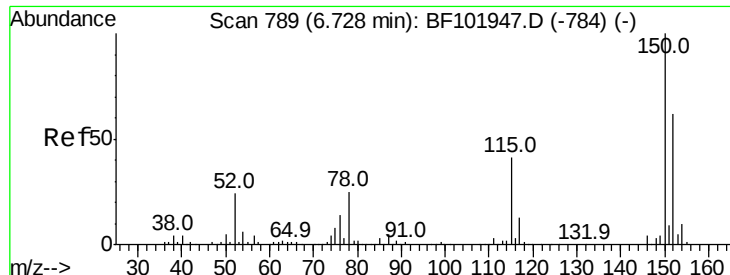
						Qvalue
10) Phenol	6.37	94	80060	4.167	ng	94
19) n-Nitroso-di-n-propylamine	7.29	70	123436	11.079	ng	# 81
25) Isophorone	7.29	82	925103	36.043	ng	# 64
49) Dimethylphthalate	9.48	163	173702	7.540	ng	99
56) 2,4-Dinitrotoluene	9.76	165	35841	6.214	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.54	198	341	5.805	ng	# 1
66) 4-Bromophenyl-phenylether	10.54	248	14769	3.603	ng	# 1
87) Benzo(b)fluoranthene	14.88	252	54888	2.128	ng	# 91
88) Benzo(k)fluoranthene	14.88	252	54888	2.206	ng	# 94
89) Benzo(a)pyrene	15.23	252	47239	2.035	ng	# 94

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

```
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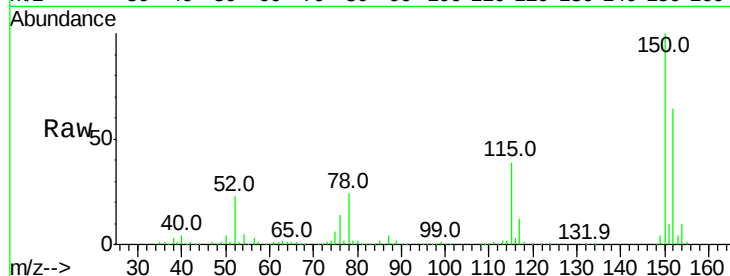


#1

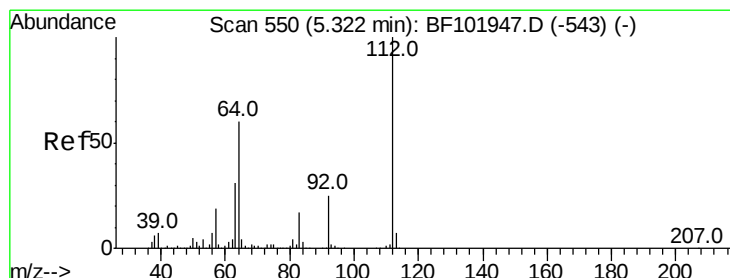
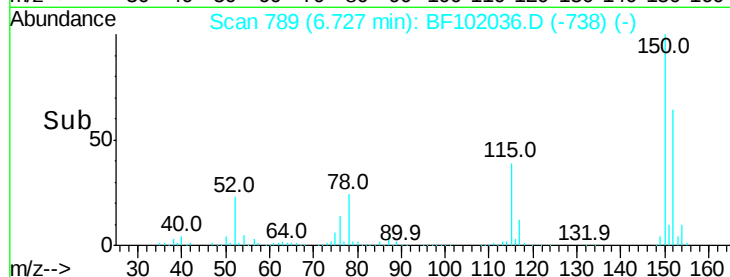
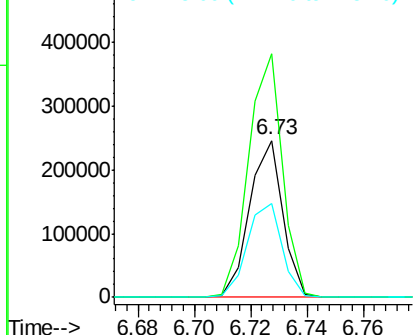
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF102036.D
Acq: 11 Jan 2018 23:14

Instrument :
BNA_F
ClientSampleId :
PB-6-OW(8-32)

Tot Ion:152 Resp: 201212
Ion Ratio Lower Upper
152 100
150 155.1 124.6 186.8
115 59.9 50.1 75.1



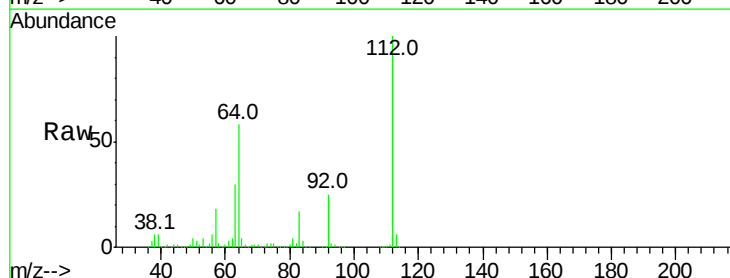
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



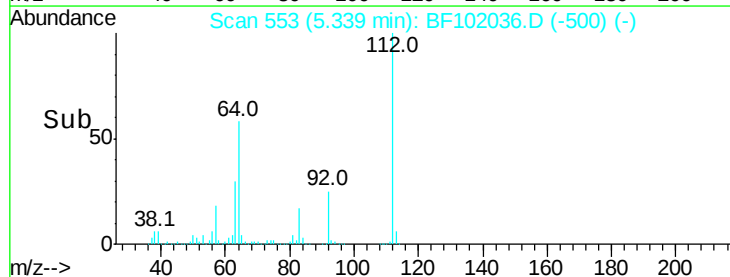
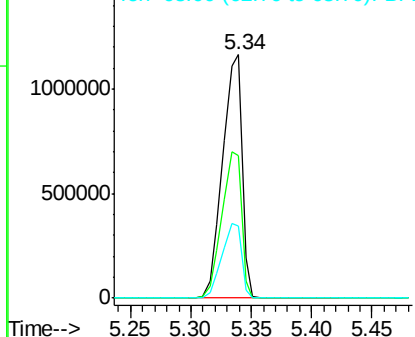
#5

2-Fluorophenol
Concen: 91.253 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.01 min
Lab File: BF102036.D
Acq: 11 Jan 2018 23:14

Tgt Ion:112 Resp: 1300287
Ion Ratio Lower Upper
112 100
64 58.3 47.9 71.9
63 29.7 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: 87.727 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102036.D

Acq: 11 Jan 2018 23:14

Instrument :

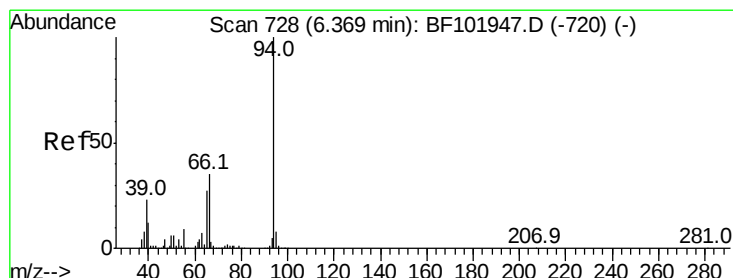
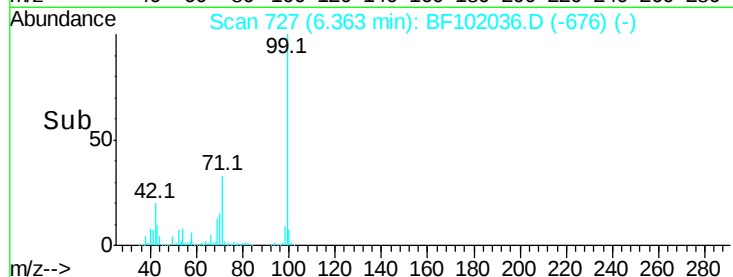
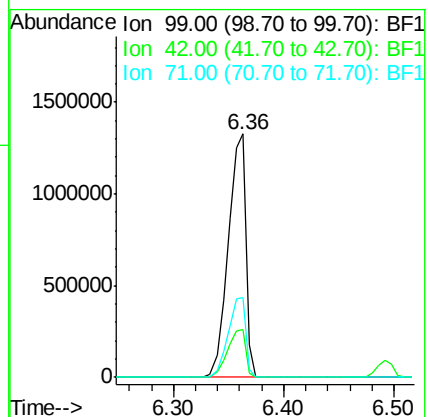
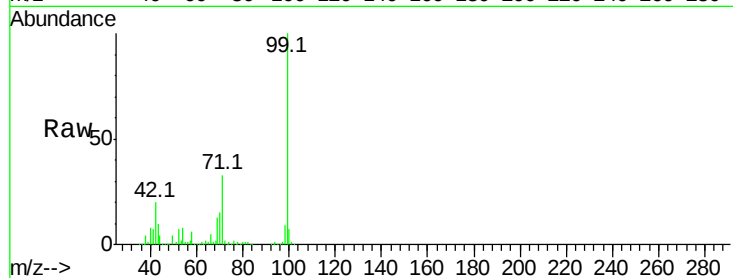
BNA_F

ClientSampleId :

PB-6-OW(8-32)

Tot Ion: 99 Resp: 1491433

Ion	Ratio	Lower	Upper
99	100		
42	19.5	14.5	21.7
71	32.7	25.4	38.0



#10

Phenol

Concen: 4.167 ng

RT: 6.37 min Scan# 728

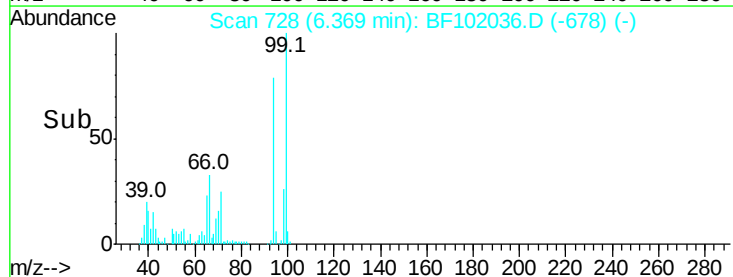
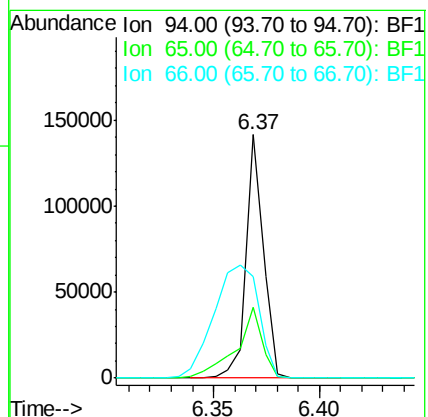
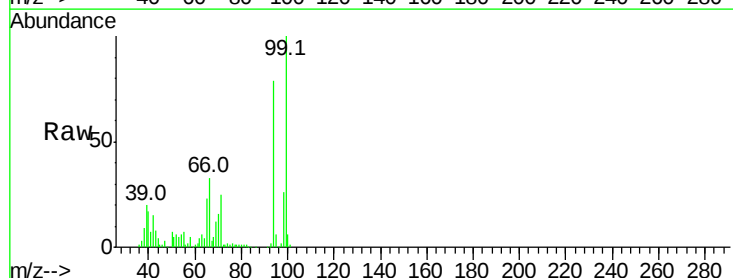
Delta R.T. -0.01 min

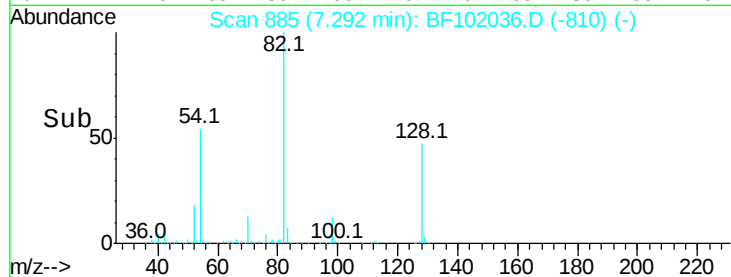
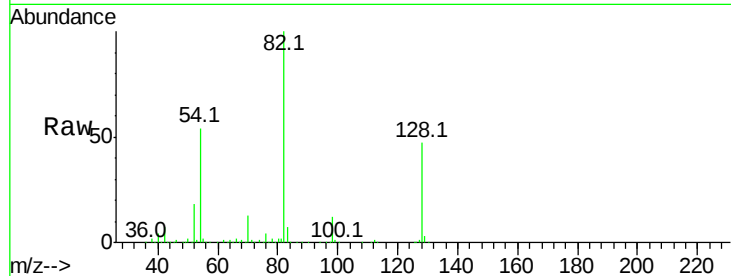
Lab File: BF102036.D

Acq: 11 Jan 2018 23:14

Tgt Ion: 94 Resp: 80060

Ion	Ratio	Lower	Upper
94	100		
65	29.1	7.9	47.9
66	41.5	16.2	56.2

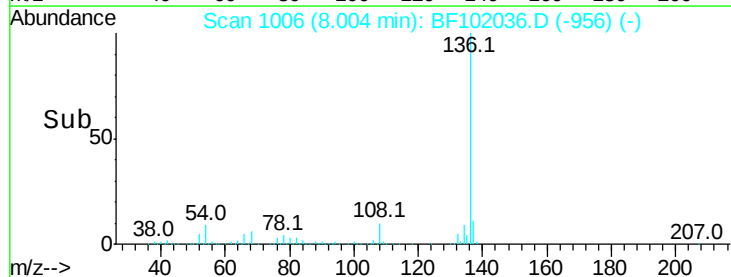
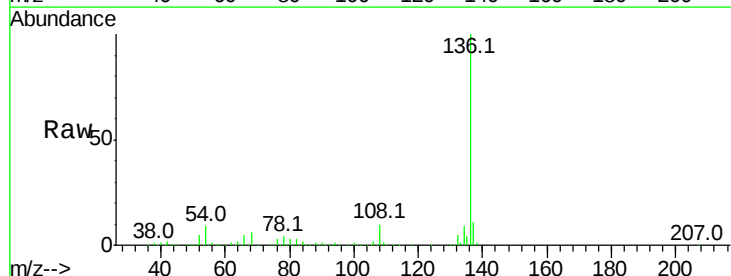
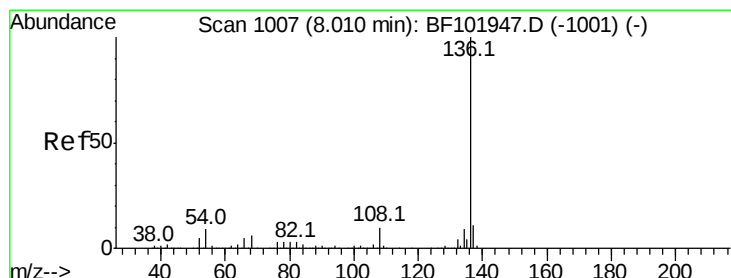
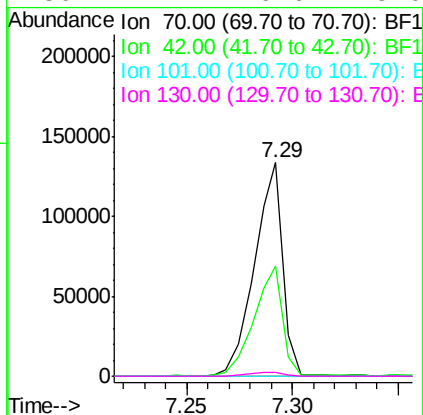




#19
n-Nitroso-di-n-propylamine
Concen: 11.079 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.14 min
Lab File: BF102036.D
Acq: 11 Jan 2018 23:14

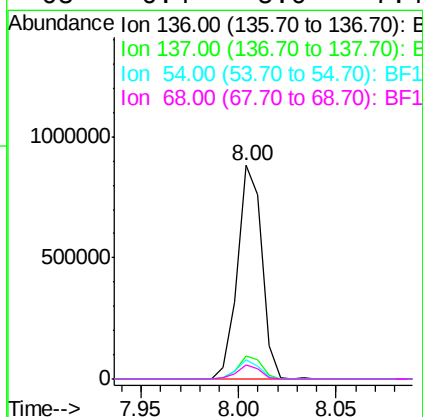
Instrument :
BNA_F
ClientSampleId :
PB-6-OW(8-32)

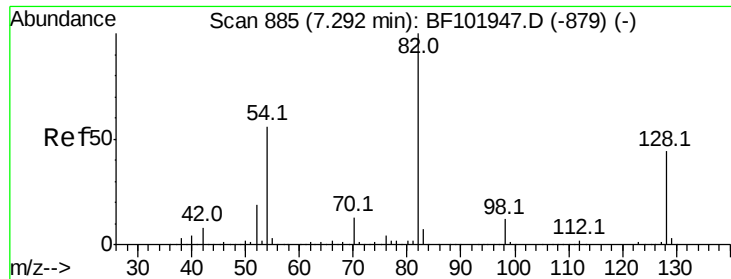
Tot Ion: 70 Resp: 123436
Ion Ratio Lower Upper
70 100
42 51.4 47.5 71.3
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF102036.D
Acq: 11 Jan 2018 23:14

Tgt Ion: 136 Resp: 763333
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 9.2 6.6 9.8
68 6.4 5.0 7.4





#23

Nitrobenzene-d5

Concen: 71.219 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF102036.D

Acq: 11 Jan 2018 23:14

Instrument :

BNA_F

ClientSampleId :

PB-6-OW(8-32)

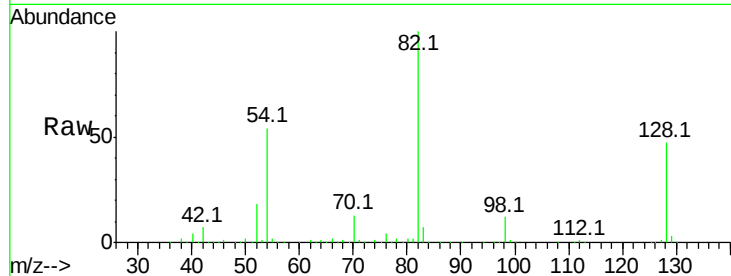
Tot Ion: 82 Resp: 925125

Ion Ratio Lower Upper

82 100

128 46.9 36.1 54.1

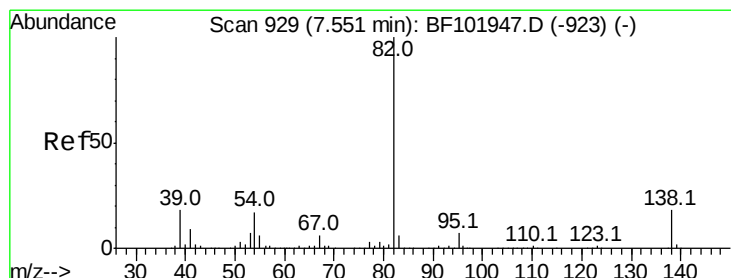
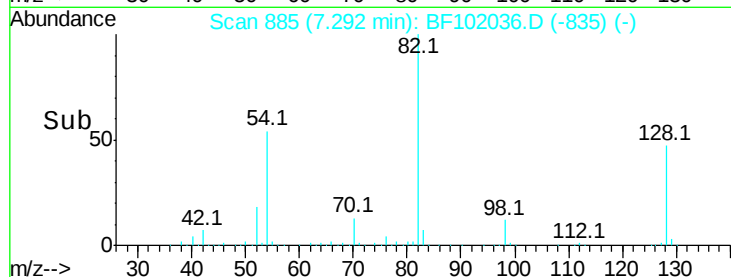
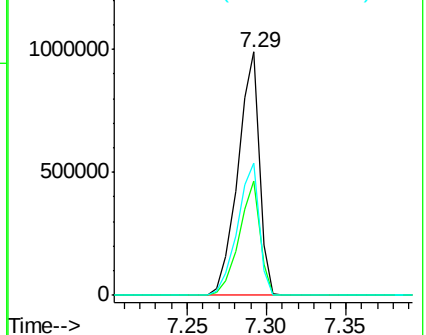
54 54.2 41.4 62.2



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: 36.043 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.26 min

Lab File: BF102036.D

Acq: 11 Jan 2018 23:14

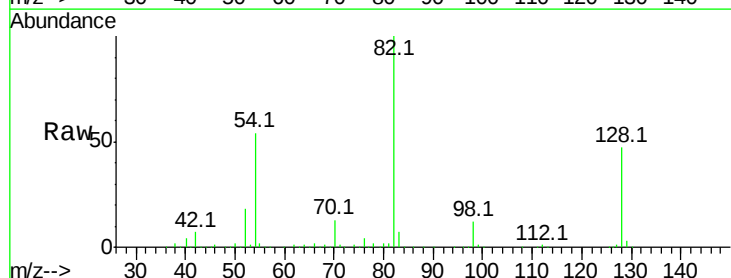
Tgt Ion: 82 Resp: 925103

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

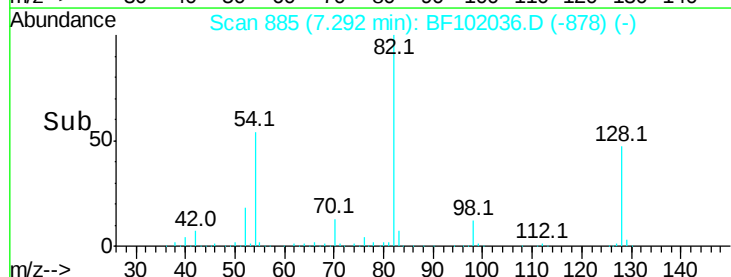
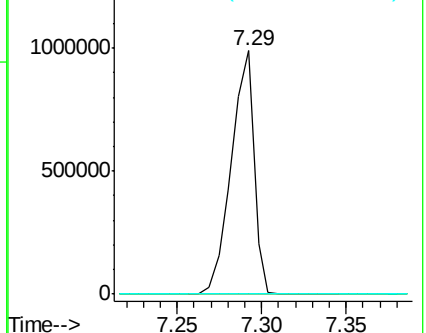
138 0.0 14.9 22.3#

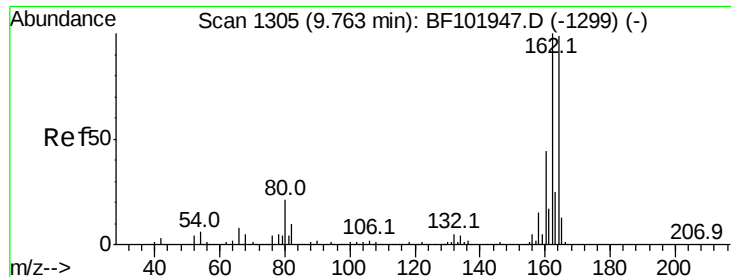


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

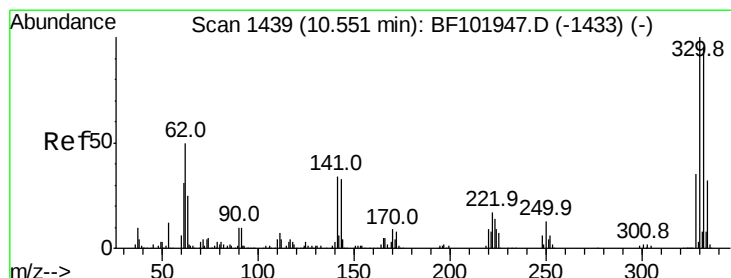
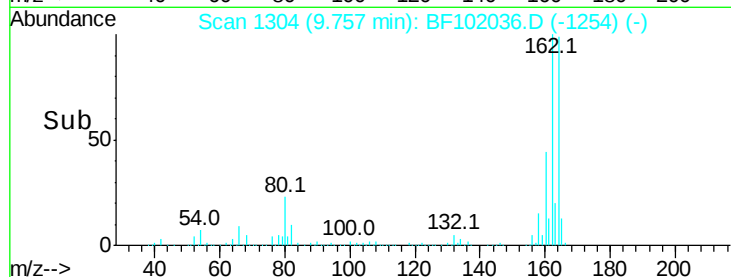
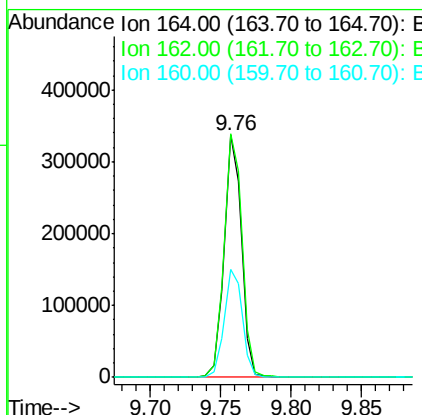
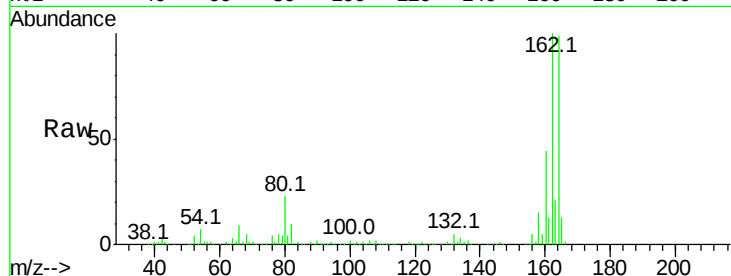




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF102036.D
 Acq: 11 Jan 2018 23:14

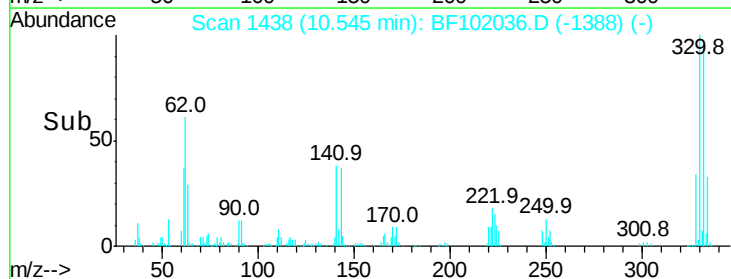
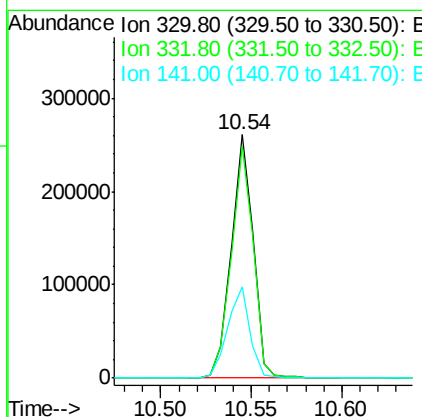
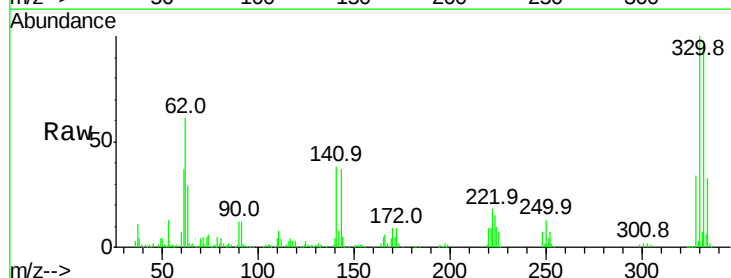
Instrument :
 BNA_F
 ClientSampleId :
 PB-6-OW(8-32)

Tot Ion:164 Resp: 287169
 Ion Ratio Lower Upper
 164 100
 162 100.7 86.1 129.1
 160 44.5 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 88.187 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF102036.D
 Acq: 11 Jan 2018 23:14

Tgt Ion:330 Resp: 221004
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.0 115.6
 141 38.7 29.9 44.9



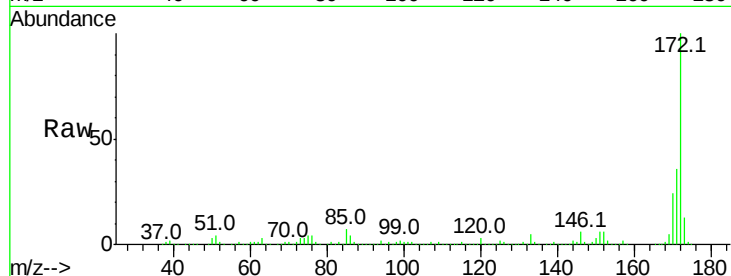


#44
2-Fluorobiphenyl
Concen: 68.456 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF102036.D
Acq: 11 Jan 2018 23:14

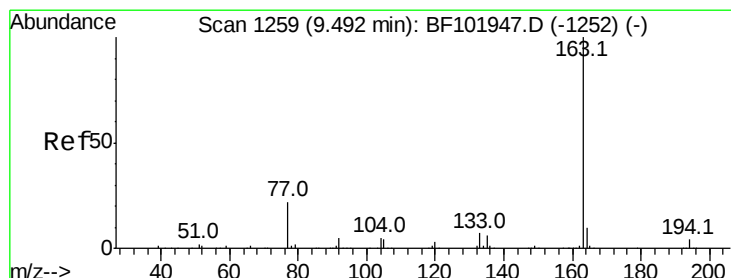
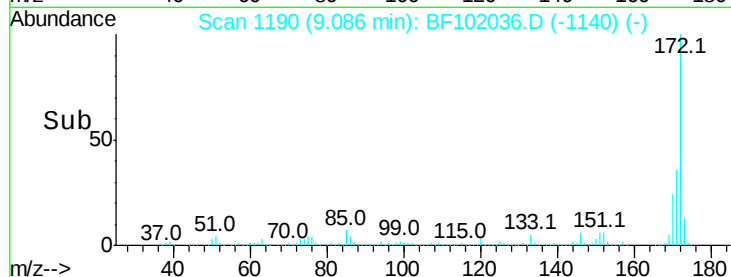
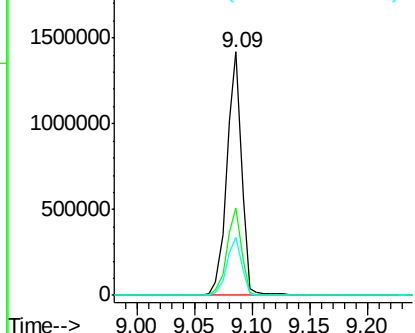
Instrument :
BNA_F
ClientSampleId :
PB-6-OW(8-32)

Tot Ion:172 Resp: 1258322

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.1	19.6	29.4



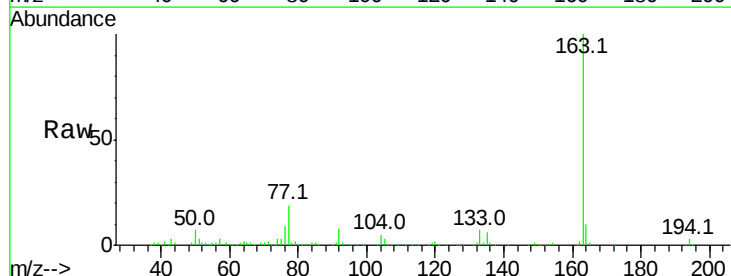
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



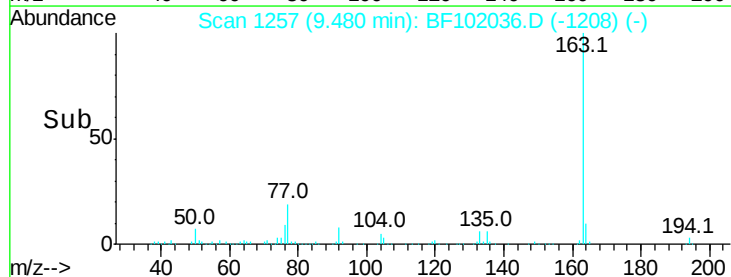
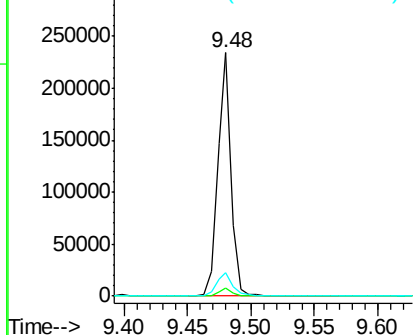
#49
Dimethylphthalate
Concen: 7.540 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF102036.D
Acq: 11 Jan 2018 23:14

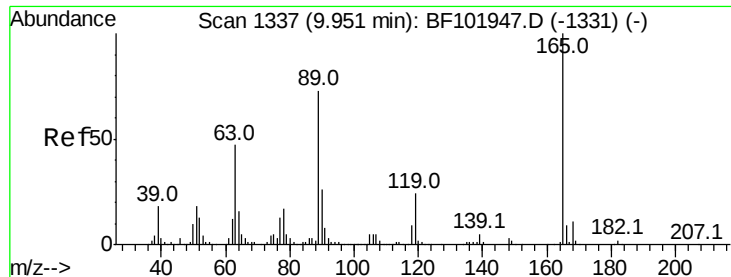
Tgt Ion:163 Resp: 173702

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	9.9	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

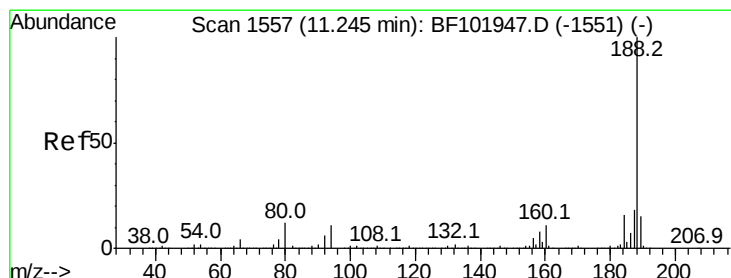
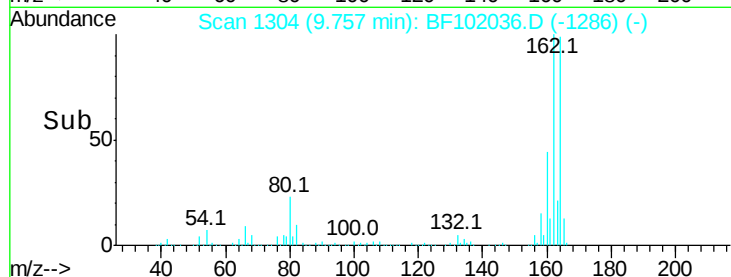
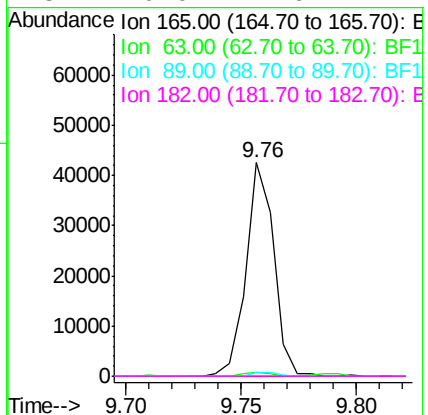
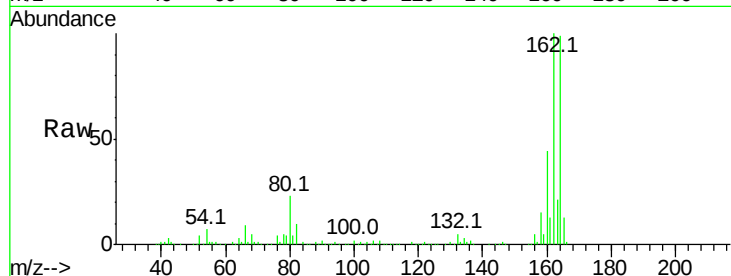




#56
 2,4-Dinitrotoluene
 Concen: 6.214 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.19 min
 Lab File: BF102036.D
 Acq: 11 Jan 2018 23:14

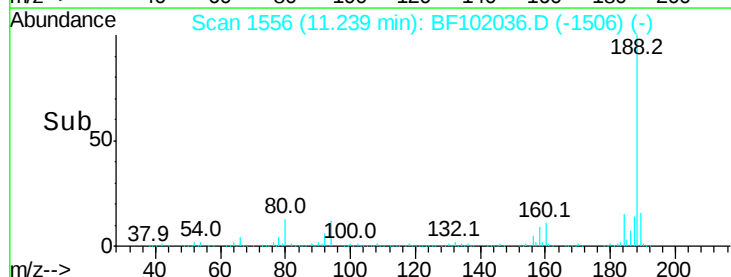
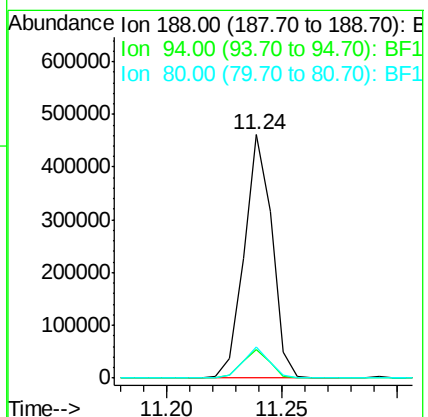
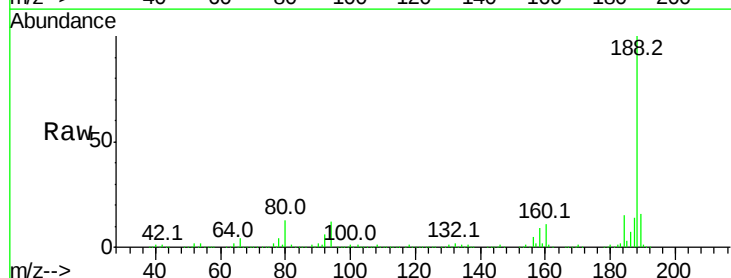
Instrument :
 BNA_F
 ClientSampleId :
 PB-6-OW(8-32)

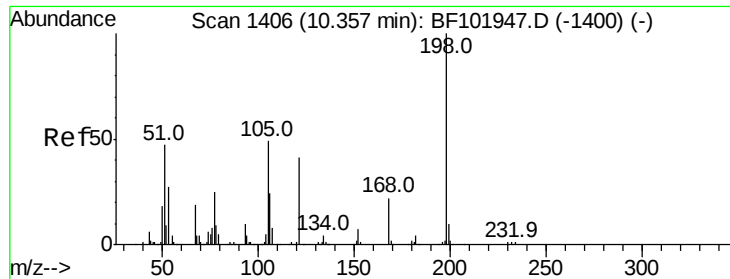
Tot Ion:165 Resp: 35841
 Ion Ratio Lower Upper
 165 100
 63 1.8 36.4 54.6#
 89 1.6 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF102036.D
 Acq: 11 Jan 2018 23:14

Tgt Ion:188 Resp: 388136
 Ion Ratio Lower Upper
 188 100
 94 11.7 8.5 12.7
 80 13.0 9.2 13.8

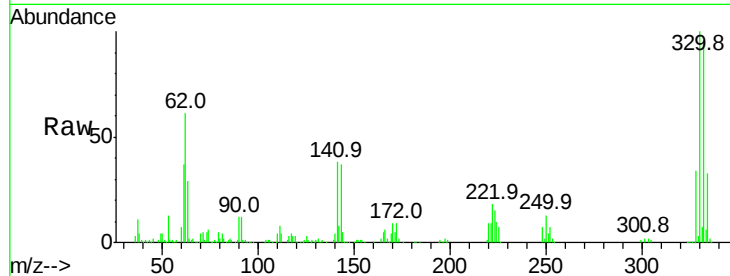




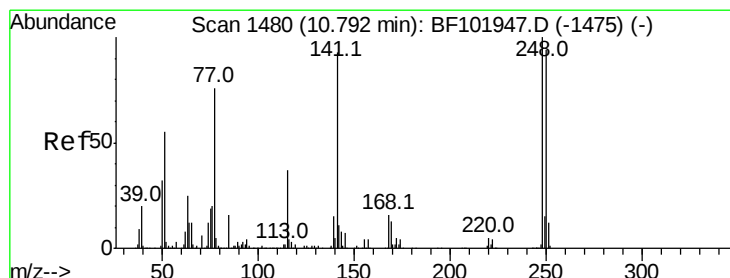
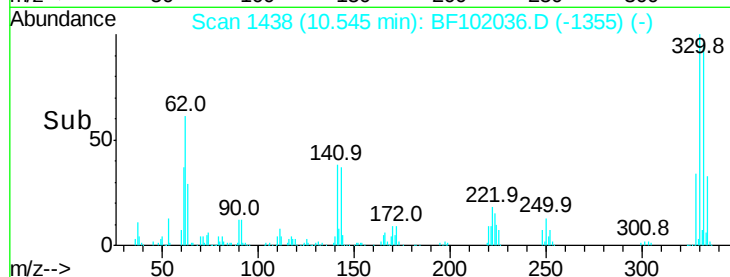
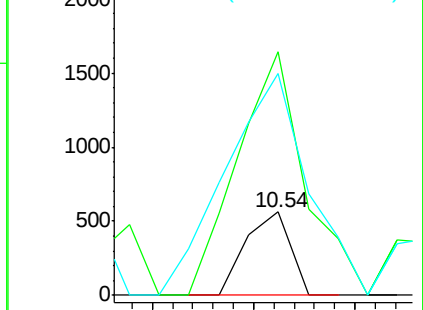
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.805 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. 0.19 min
 Lab File: BF102036.D
 Acq: 11 Jan 2018 23:14

Instrument :
 BNA_F
 ClientSampleId :
 PB-6-OW(8-32)

Tot Ion:198 Resp: 341
 Ion Ratio Lower Upper
 198 100
 51 292.7 37.7 77.7#
 105 266.3 36.3 76.3#

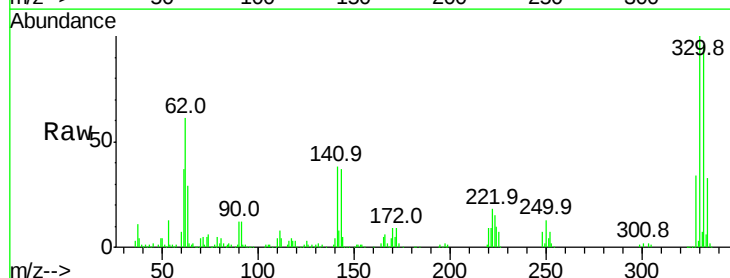


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

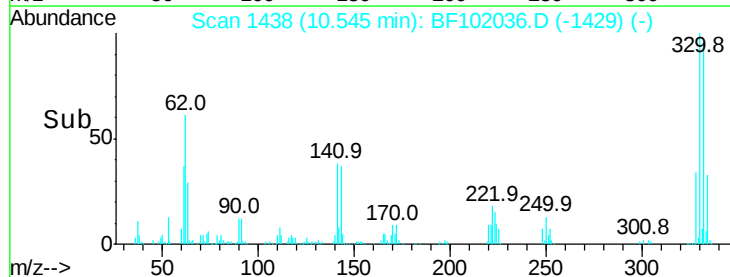
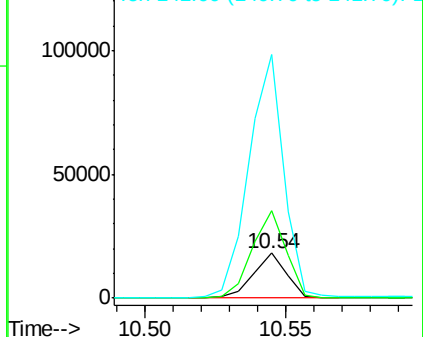


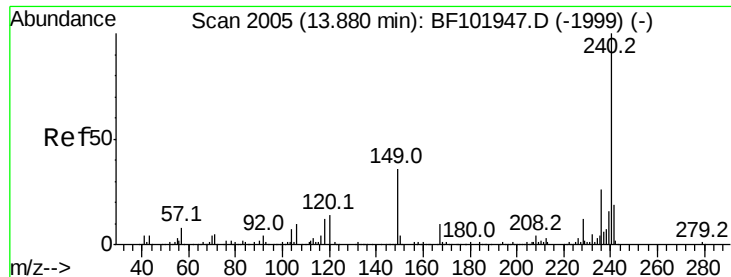
#66
 4-Bromophenyl-phenylether
 Concen: 3.603 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF102036.D
 Acq: 11 Jan 2018 23:14

Tgt Ion:248 Resp: 14769
 Ion Ratio Lower Upper
 248 100
 250 195.3 76.9 115.3#
 141 546.0 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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF102036.D

Acq: 11 Jan 2018 23:14

Instrument :

BNA_F

ClientSampleId :

PB-6-OW(8-32)

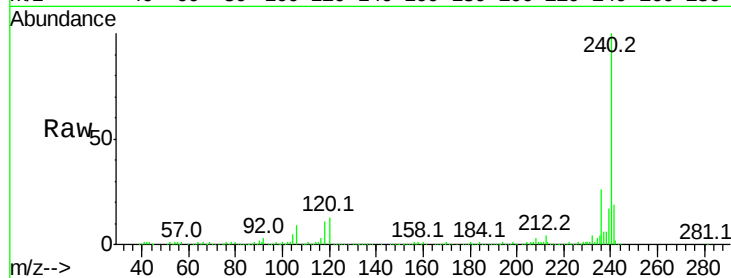
Tot Ion:240 Resp: 349856

Ion Ratio Lower Upper

240 100

120 13.1 9.5 14.3

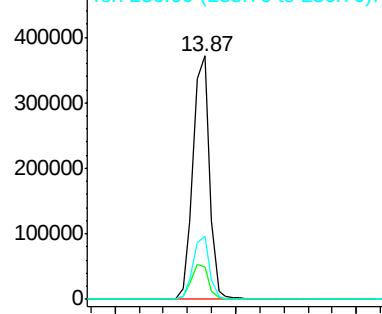
236 25.8 20.7 31.1



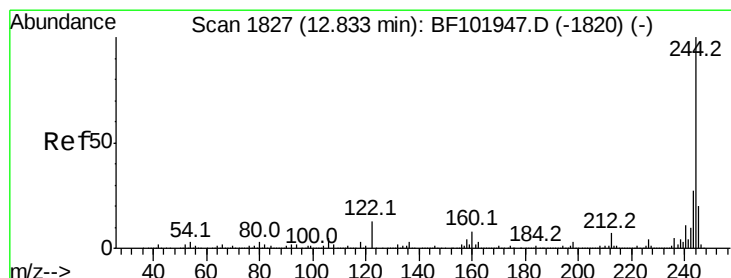
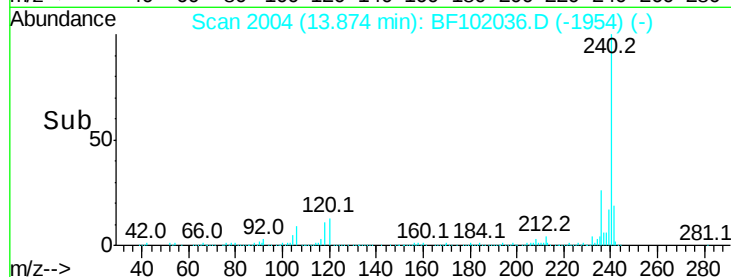
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 13.80 13.90 14.00



#78

Terphenyl-d14

Concen: 45.093 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF102036.D

Acq: 11 Jan 2018 23:14

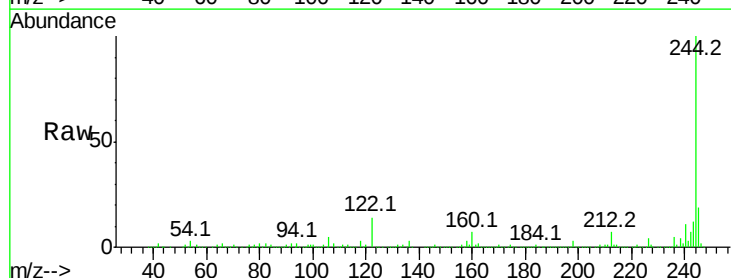
Tgt Ion:244 Resp: 759832

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

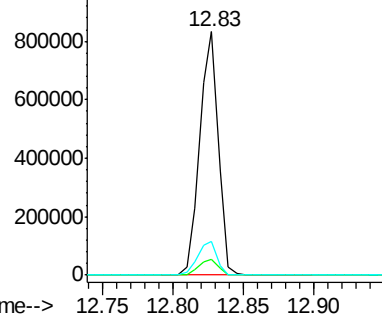
122 13.9 11.0 16.4



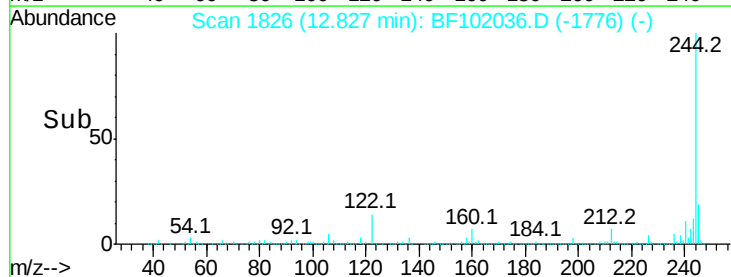
Abundance Ion 244.00 (243.70 to 244.70): E

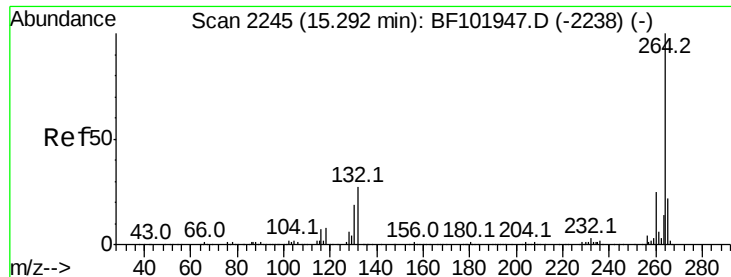
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 12.75 12.80 12.85 12.90

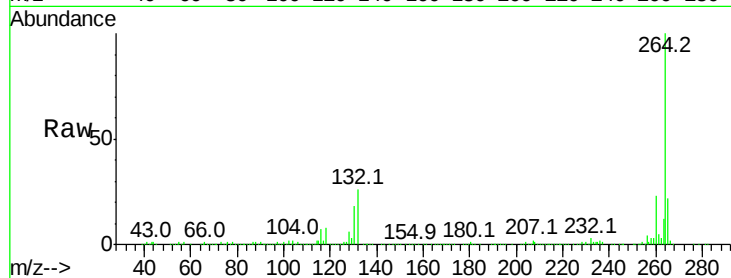




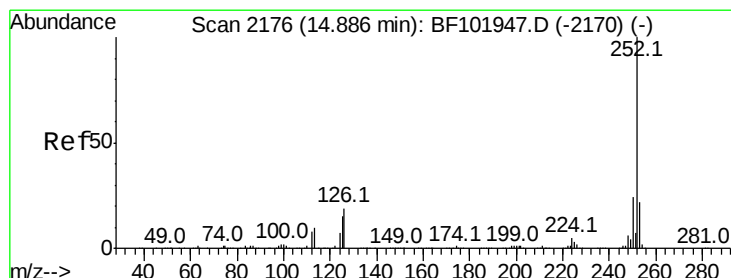
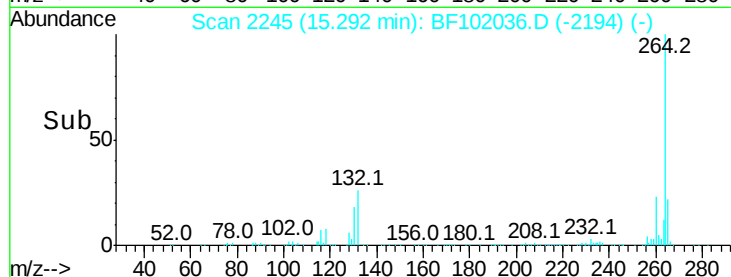
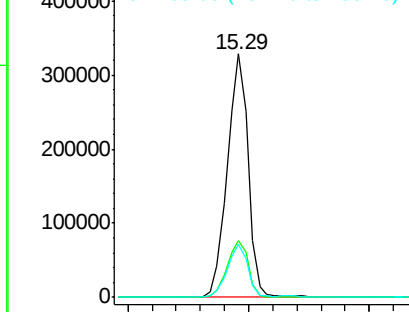
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. -0.00 min
Lab File: BF102036.D
Acq: 11 Jan 2018 23:14

Instrument :
BNA_F
ClientSampleId :
PB-6-OW(8-32)

Tot Ion:264 Resp: 395542
Ion Ratio Lower Upper
264 100
260 23.3 19.2 28.8
265 21.9 17.5 26.3

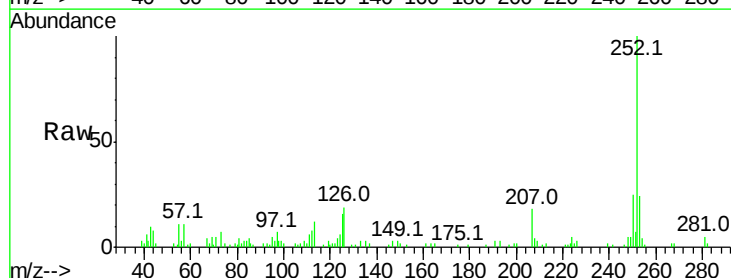


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

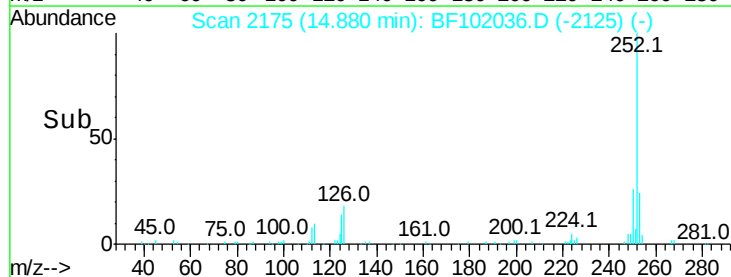
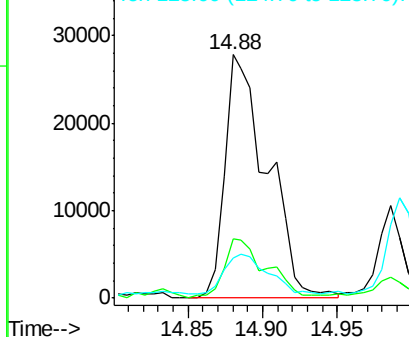


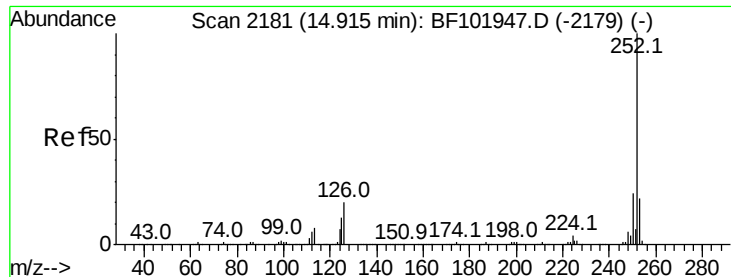
#87
Benzo(b)fluoranthene
Concen: 2.128 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BF102036.D
Acq: 11 Jan 2018 23:14

Tgt Ion:252 Resp: 54888
Ion Ratio Lower Upper
252 100
253 24.2 17.0 25.6
125 16.4 9.0 13.6#



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

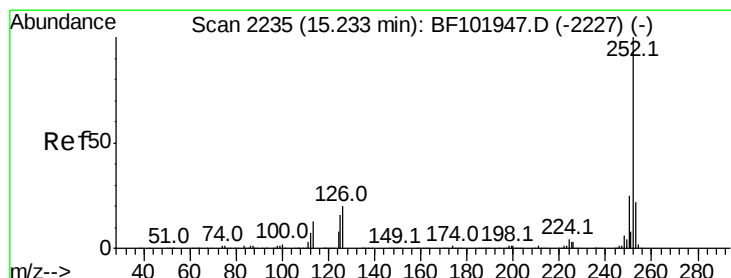
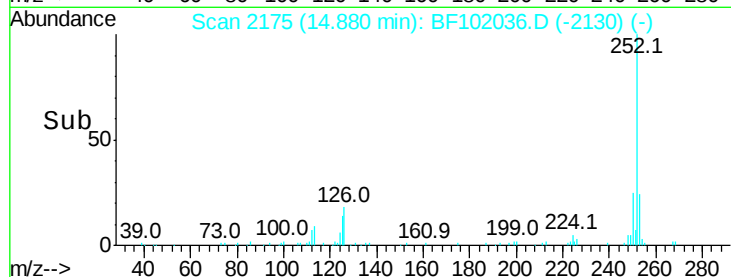
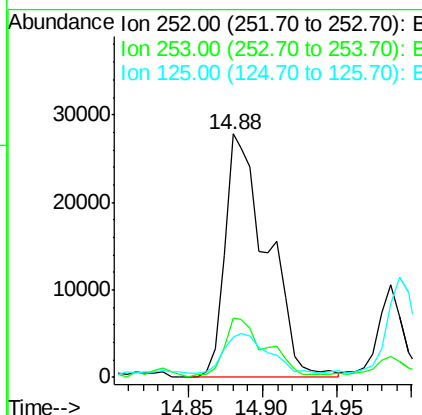
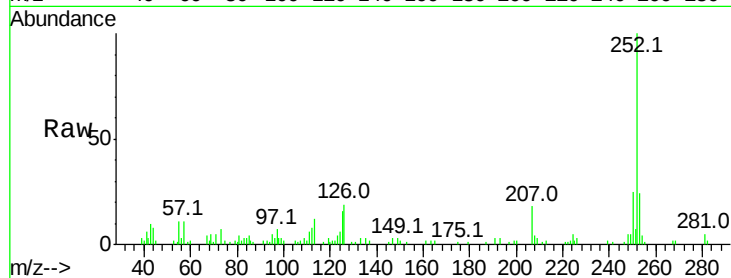




#88
Benzo(k)fluoranthene
Concen: 2.206 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.04 min
Lab File: BF102036.D
Acq: 11 Jan 2018 23:14

Instrument :
BNA_F
ClientSampleId :
PB-6-OW(8-32)

Tot Ion:252 Resp: 54888
Ion Ratio Lower Upper
252 100
253 24.2 17.9 26.9
125 16.4 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 2.035 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF102036.D
Acq: 11 Jan 2018 23:14

Tgt Ion:252 Resp: 47239
Ion Ratio Lower Upper
252 100
253 23.5 17.1 25.7
125 15.2 9.8 14.6#

