

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
 Data File : BF107834.D
 Acq On : 31 Jul 2018 7:05
 Operator : JU/SJ
 Sample : J4213-01 10X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 31 08:00:03 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	112497	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	555979	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	162631	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	198402	20.00	ng	0.02
75) Chrysene-d12	14.17	240	375737	20.00	ng	0.01
86) Perylene-d12	15.69	264	366180	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.70	112	229	0.03	ng	0.10
7) Phenol-d6	6.69	99	2321	0.27	ng	0.08
23) Nitrobenzene-d5	7.52	82	539	0.06	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	2126	0.96	ng	0.01
44) 2-Fluorobiphenyl	9.32	172	18318	1.57	ng	0.00
78) Terphenyl-d14	13.10	244	17531	1.01	ng	0.02

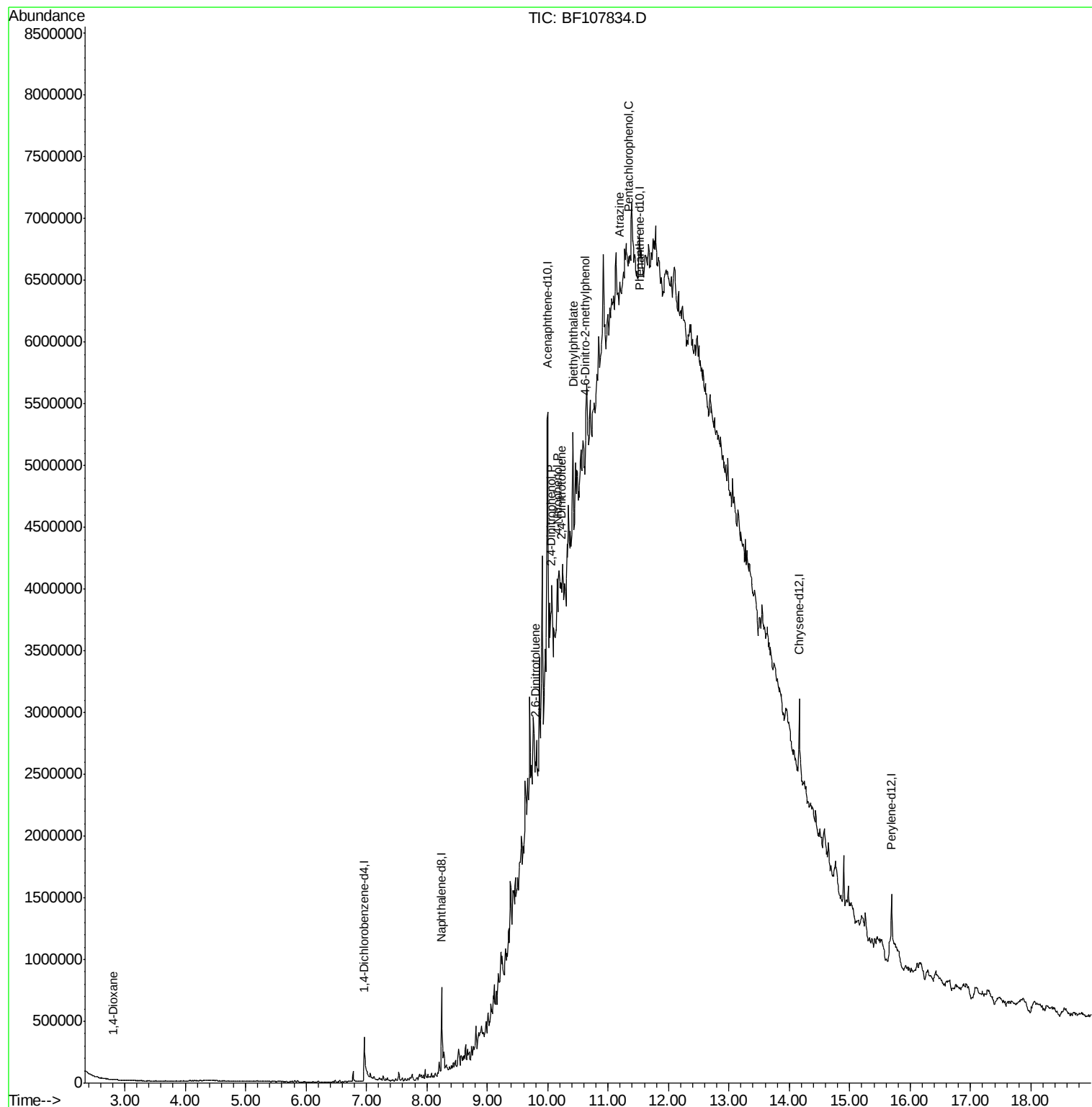
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.81	88	487	5.931	ng	# 1
50) 2,6-Dinitrotoluene	9.80	165	6391	2.408	ng	# 34
53) 2,4-Dinitrophenol	10.05	184	420	8.709	ng	# 1
55) 4-Nitrophenol	10.15	139	1674	10.252	ng	# 1
56) 2,4-Dinitrotoluene	10.22	165	13970	4.004	ng	# 35
59) Diethylphthalate	10.42	149	30508	2.323	ng	# 47
64) 4,6-Dinitro-2-methylphenol	10.62	198	2437	2.258	ng	# 1
68) Atrazine	11.20	200	13688	7.079	ng	# 1
69) Pentachlorophenol	11.34	266	2578	2.042	ng	# 30

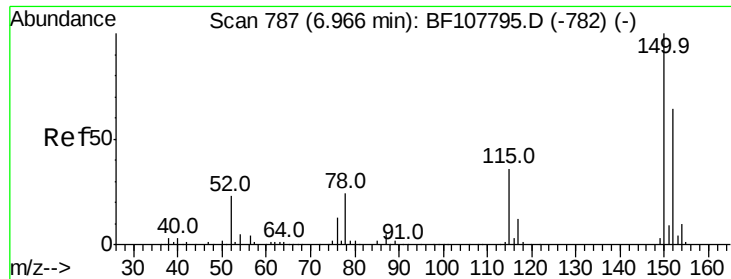
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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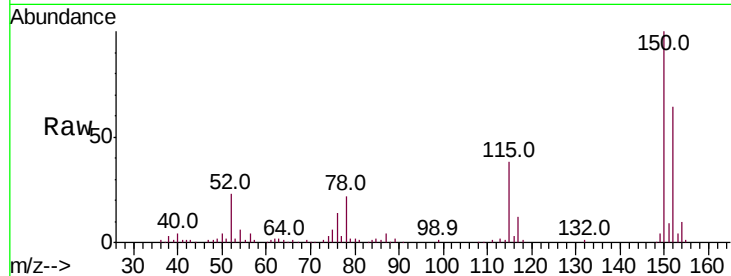


#1

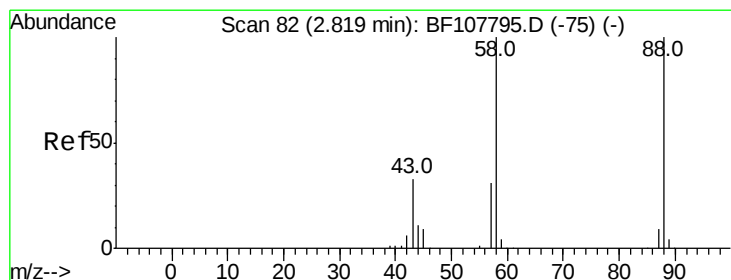
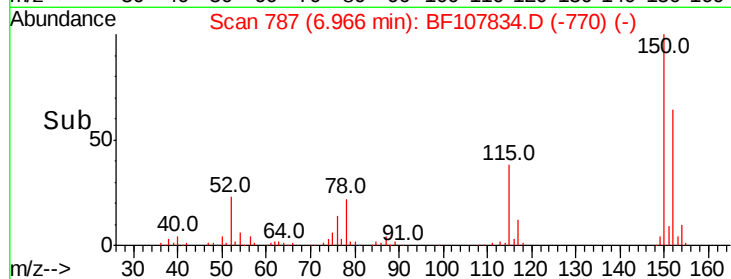
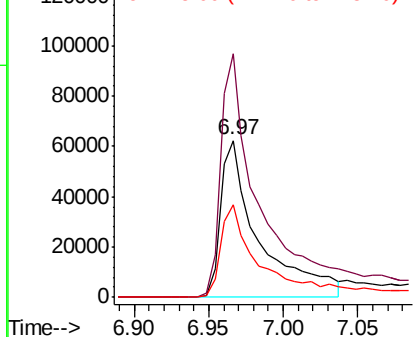
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF107834.D
Acq: 31 Jul 2018 7:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 112497
Ion Ratio Lower Upper
152 100
150 155.1 124.6 186.8
115 59.1 50.1 75.1



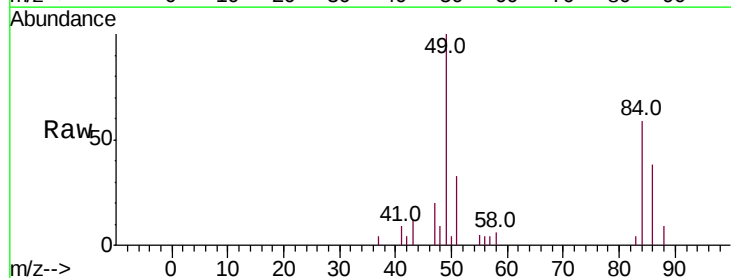
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



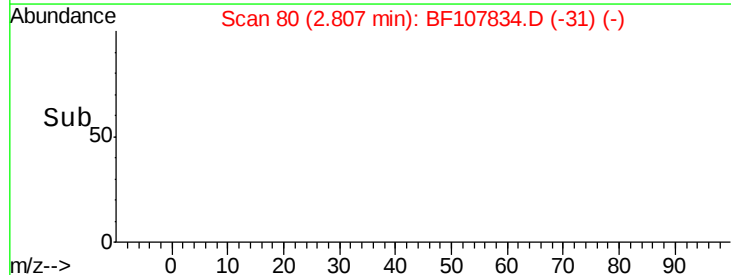
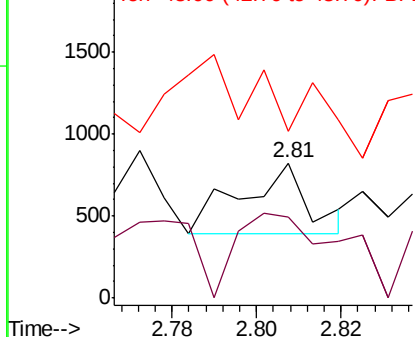
#2

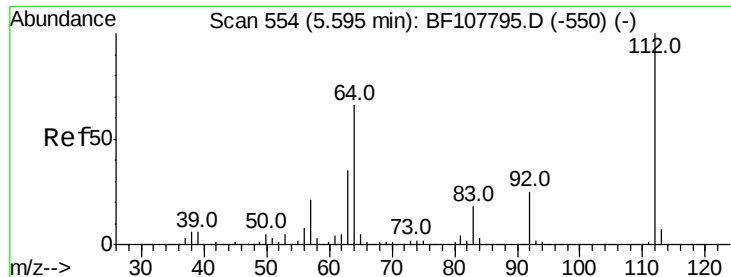
1,4-Dioxane
Concen: 5.931 ng
RT: 2.81 min Scan# 80
Delta R.T. -0.01 min
Lab File: BF107834.D
Acq: 31 Jul 2018 7:05

Tgt Ion: 88 Resp: 487
Ion Ratio Lower Upper
88 100
58 180.1 62.6 93.8#
43 229.6 24.6 37.0#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#5

2-Fluorophenol

Concen: 0.035 ng

RT: 5.70 min Scan# 571

Delta R.T. 0.10 min

Lab File: BF107834.D

Acq: 31 Jul 2018 7:05

Instrument :

BNA_F

ClientSampled :

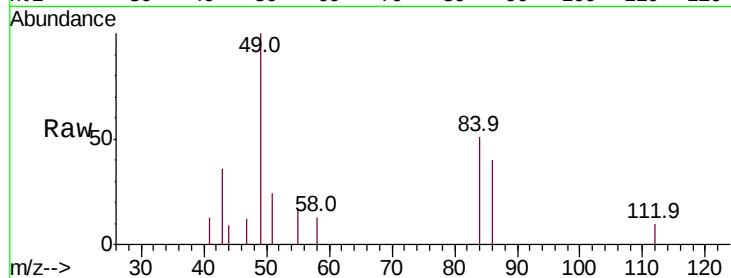
Tot Ion:112 Resp: 229

Ion Ratio Lower Upper

112 100

64 0.0 47.9 71.9#

63 0.0 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

500

400

300

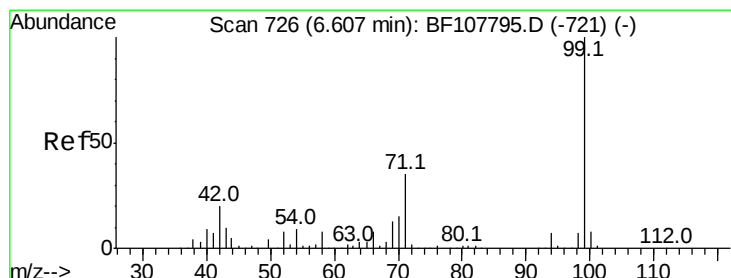
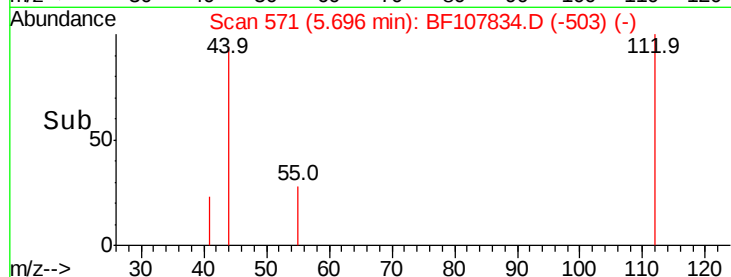
200

100

0

5.68 5.69 5.70 5.71

Time-->



#7

Phenol-d6

Concen: 0.266 ng

RT: 6.69 min Scan# 740

Delta R.T. 0.08 min

Lab File: BF107834.D

Acq: 31 Jul 2018 7:05

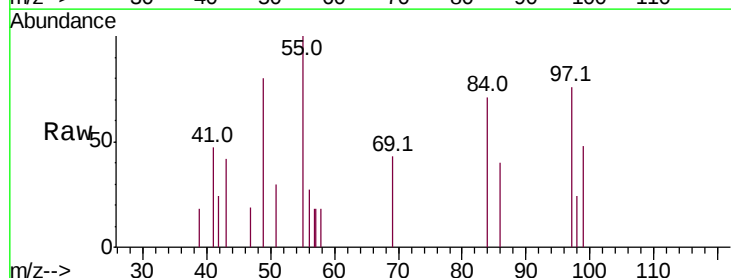
Tgt Ion: 99 Resp: 2321

Ion Ratio Lower Upper

99 100

42 50.2 14.5 21.7#

71 0.0 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

1500

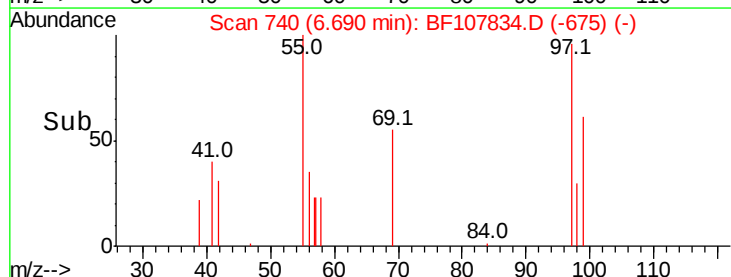
1000

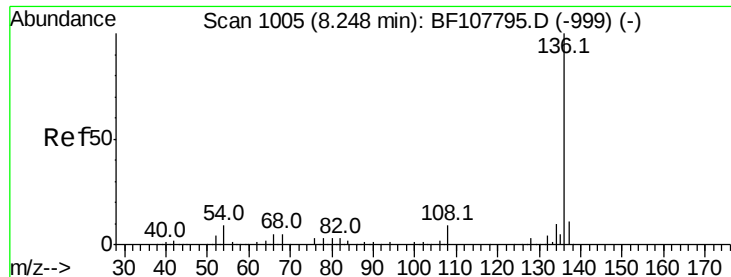
500

0

6.65 6.69 6.70

Time-->





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BF107834.D

Acq: 31 Jul 2018 7:05

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 555979

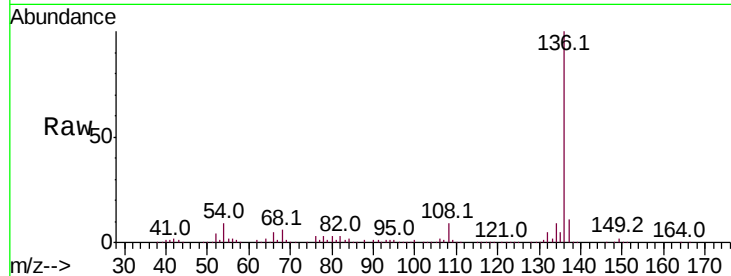
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.7 6.6 9.8

68 5.8 5.0 7.4

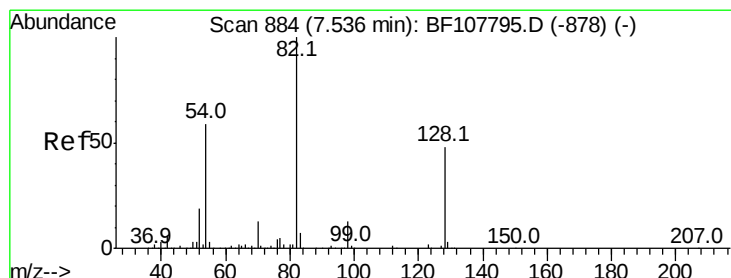
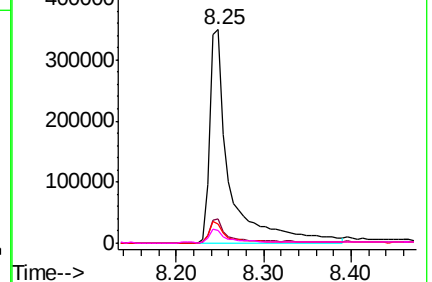
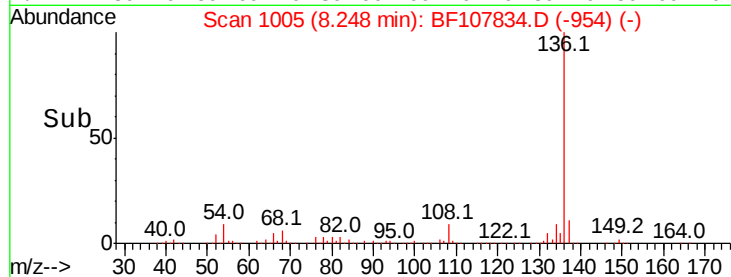


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.056 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF107834.D

Acq: 31 Jul 2018 7:05

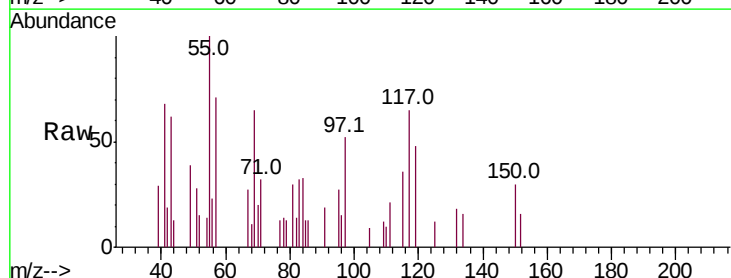
Tgt Ion: 82 Resp: 539

Ion Ratio Lower Upper

82 100

128 0.0 36.1 54.1#

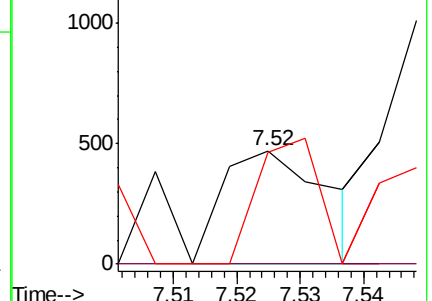
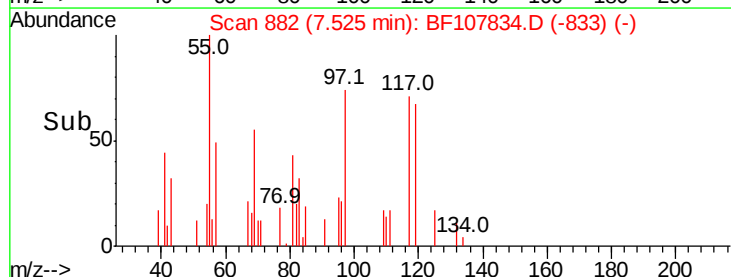
54 98.7 41.4 62.2#

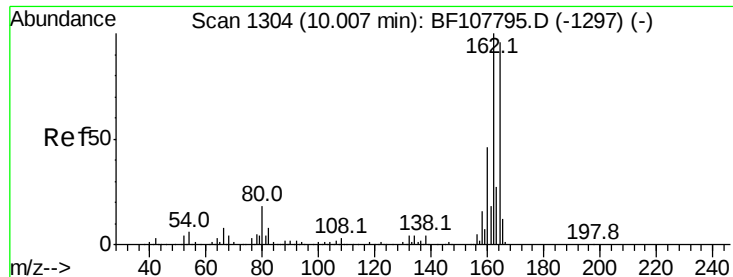


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

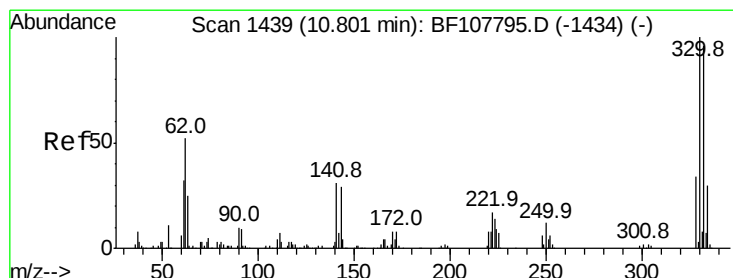
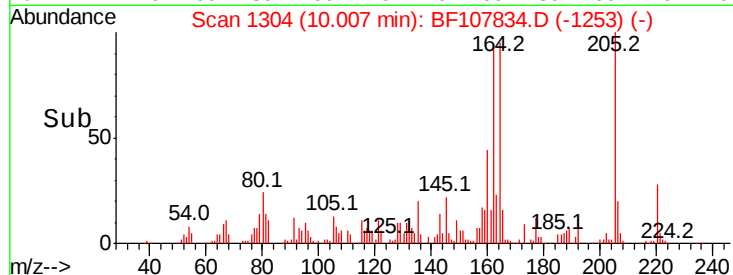
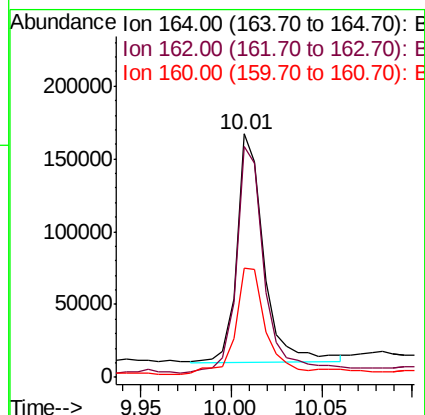
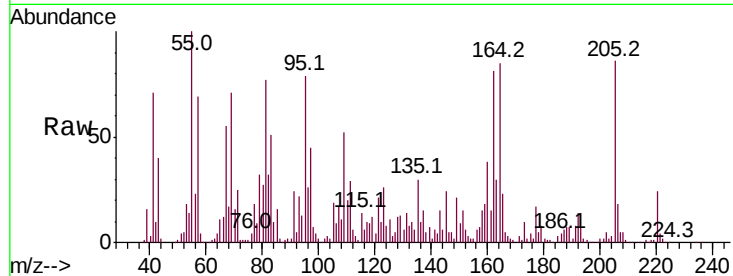




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. 0.00 min
Lab File: BF107834.D
Acq: 31 Jul 2018 7:05

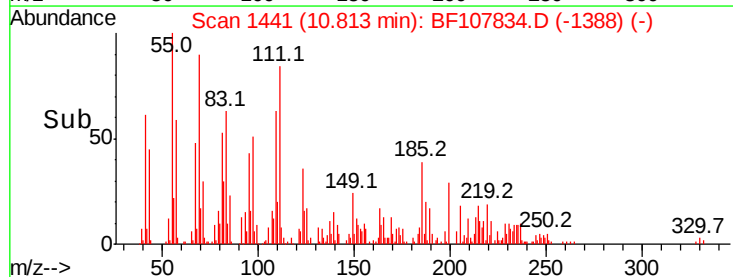
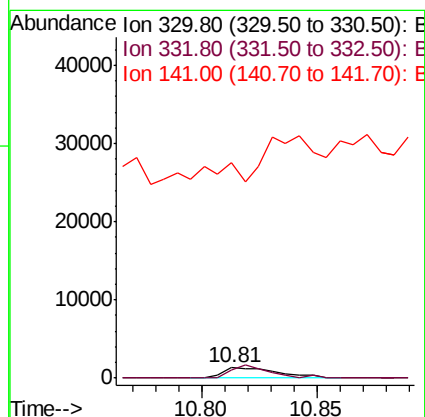
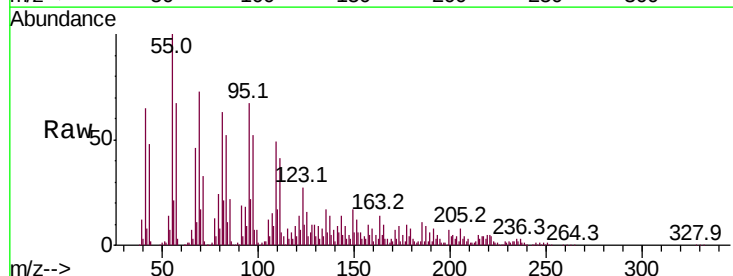
Instrument :
BNA_F
ClientSampleId :

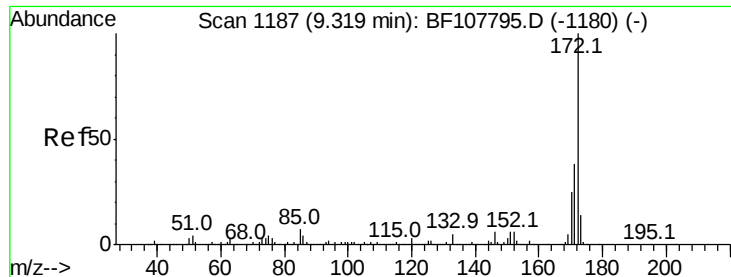
Tot Ion:164 Resp: 162631
Ion Ratio Lower Upper
164 100
162 94.6 86.1 129.1
160 44.9 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 0.962 ng
RT: 10.81 min Scan# 1441
Delta R.T. 0.01 min
Lab File: BF107834.D
Acq: 31 Jul 2018 7:05

Tgt Ion:330 Resp: 2126
Ion Ratio Lower Upper
330 100
332 88.3 77.0 115.6
141 0.0 29.9 44.9#





#44

2-Fluorobiphenyl

Concen: 1.570 ng

RT: 9.32 min Scan# 1187

Delta R.T. 0.00 min

Lab File: BF107834.D

Acq: 31 Jul 2018 7:05

Instrument :

BNA_F

ClientSampleId :

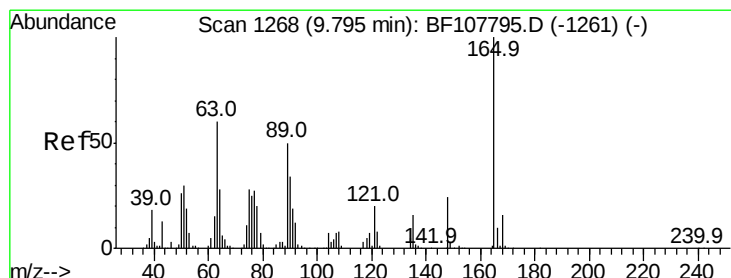
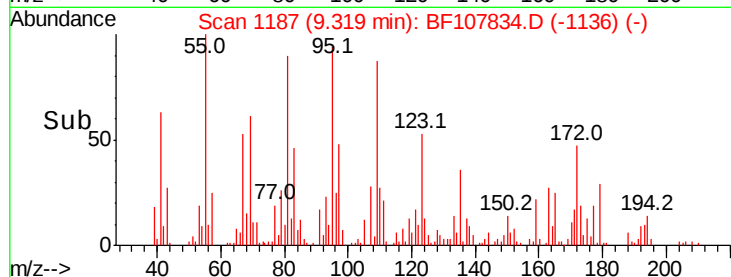
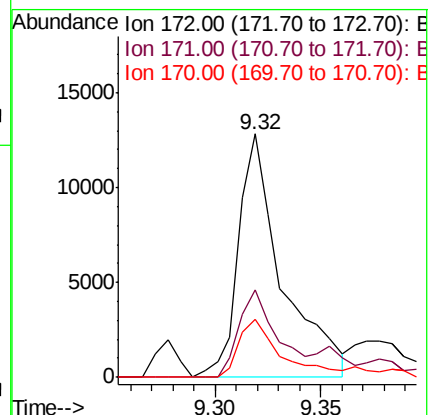
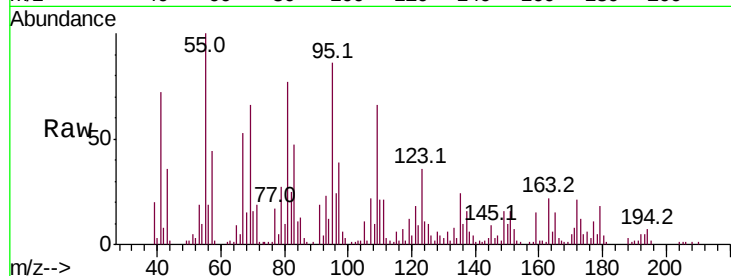
Tot Ion:172 Resp: 18318

Ion Ratio Lower Upper

172 100

171 36.1 29.7 44.5

170 23.8 19.6 29.4



#50

2,6-Dinitrotoluene

Concen: 2.408 ng

RT: 9.80 min Scan# 1268

Delta R.T. 0.00 min

Lab File: BF107834.D

Acq: 31 Jul 2018 7:05

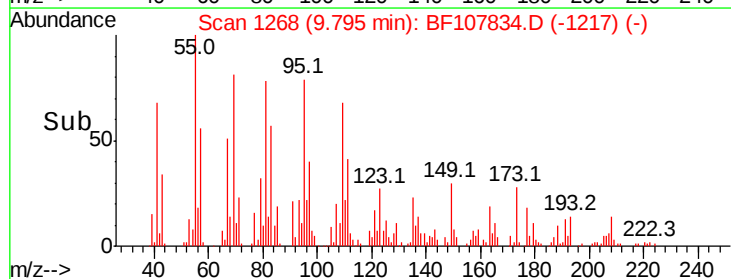
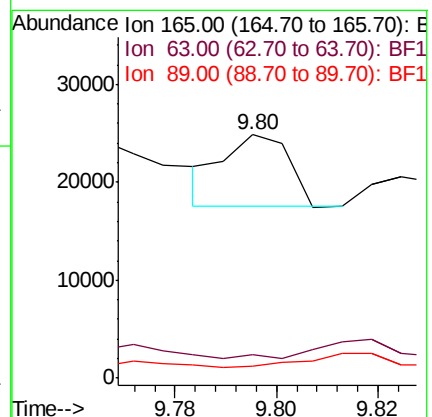
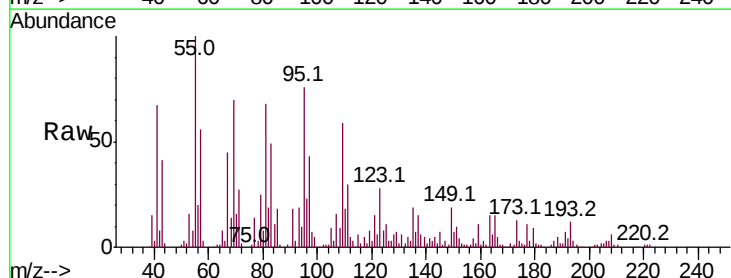
Tgt Ion:165 Resp: 6391

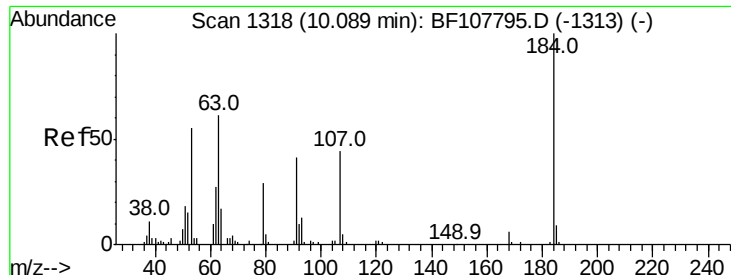
Ion Ratio Lower Upper

165 100

63 9.4 44.7 67.1#

89 5.0 44.0 66.0#

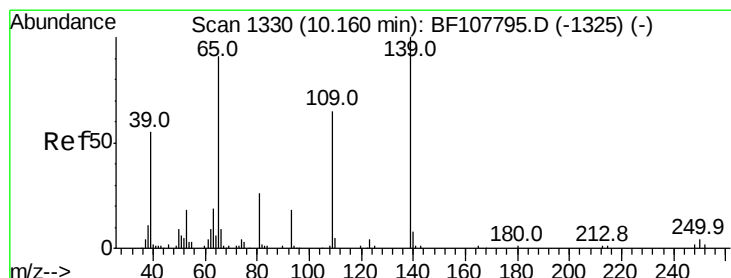
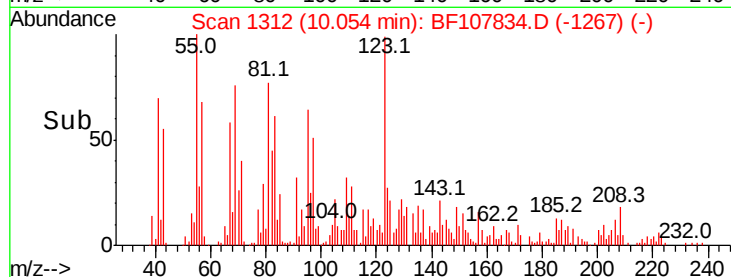
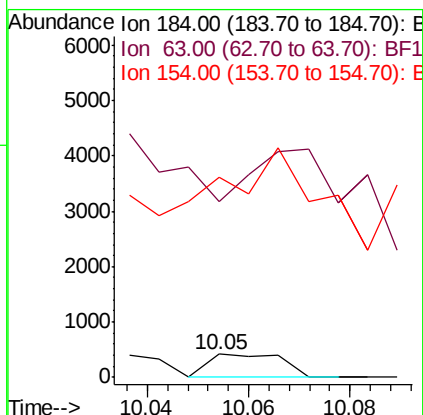
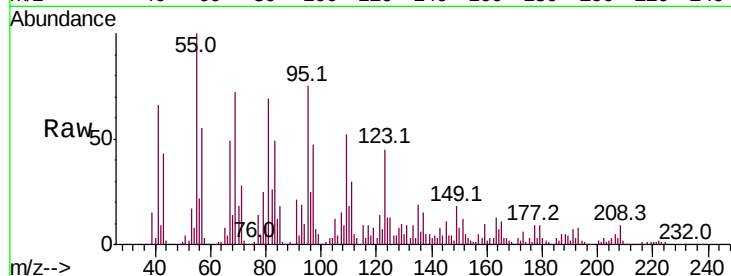




#53
2,4-Dinitrophenol
Concen: 8.709 ng
RT: 10.05 min Scan# 1312
Delta R.T. -0.03 min
Lab File: BF107834.D
Acq: 31 Jul 2018 7:05

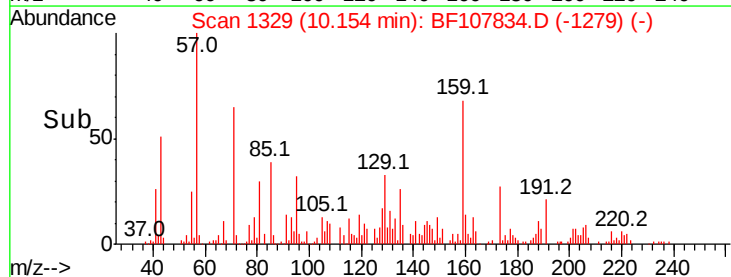
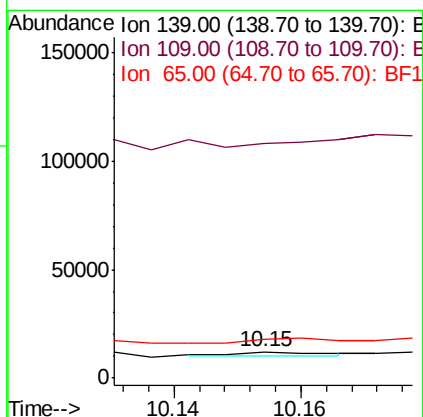
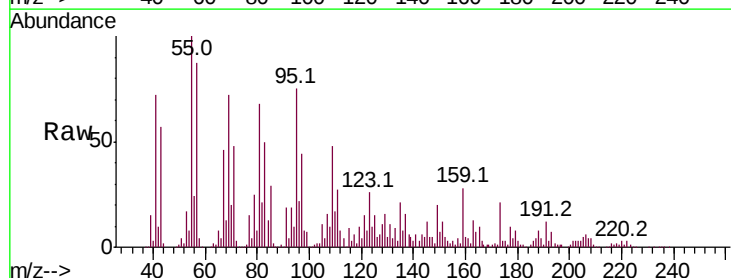
Instrument :
BNA_F
ClientSampled :

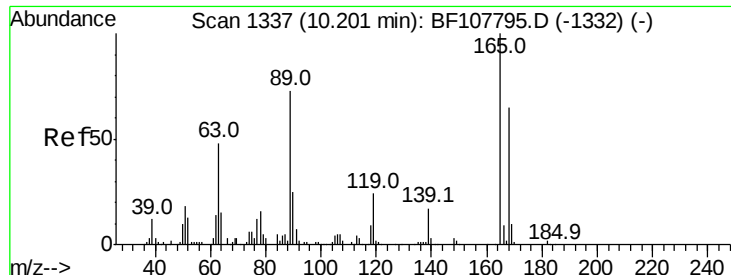
Tot Ion:184 Resp: 420
Ion Ratio Lower Upper
184 100
63 756.8 54.2 81.2#
154 863.5 184.0 276.0#



#55
4-Nitrophenol
Concen: 10.252 ng
RT: 10.15 min Scan# 1329
Delta R.T. -0.00 min
Lab File: BF107834.D
Acq: 31 Jul 2018 7:05

Tgt Ion:139 Resp: 1674
Ion Ratio Lower Upper
139 100
109 894.6 48.4 88.4#
65 148.6 72.6 112.6#

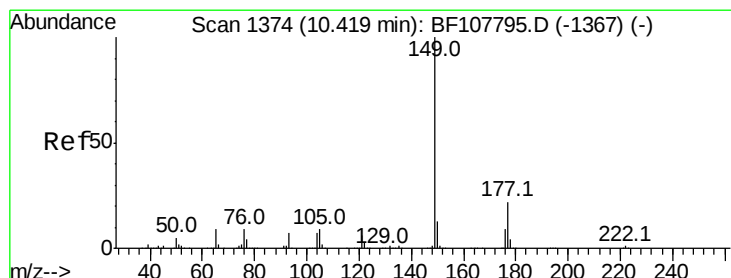
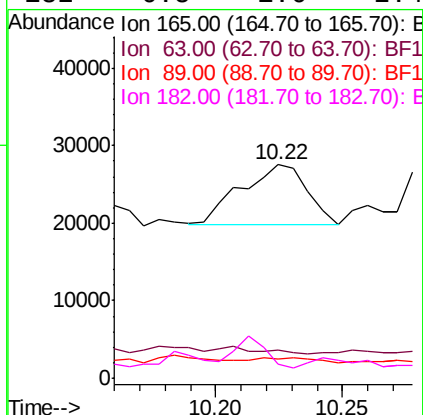
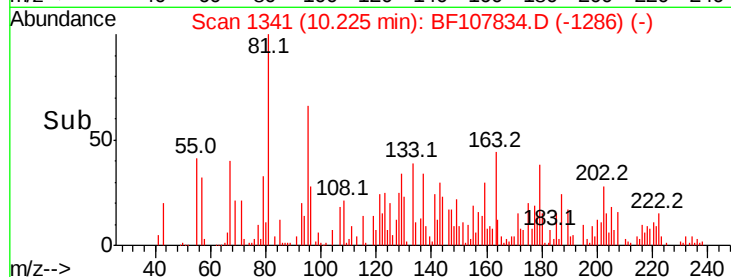
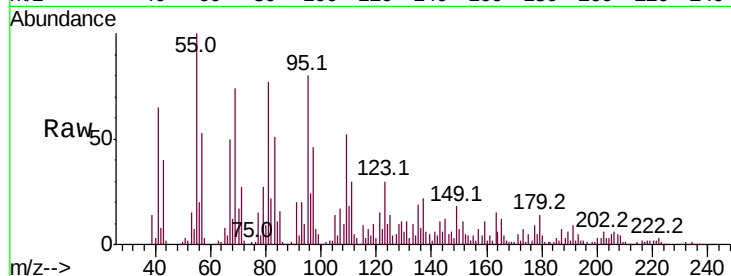




#56
2,4-Dinitrotoluene
Concen: 4.004 ng
RT: 10.22 min Scan# 1341
Delta R.T. 0.02 min
Lab File: BF107834.D
Acq: 31 Jul 2018 7:05

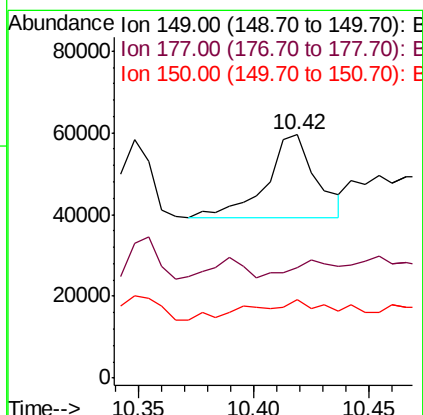
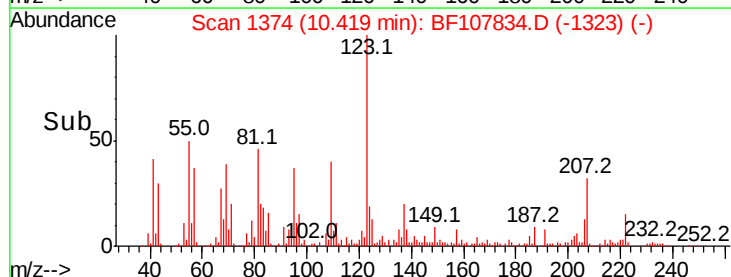
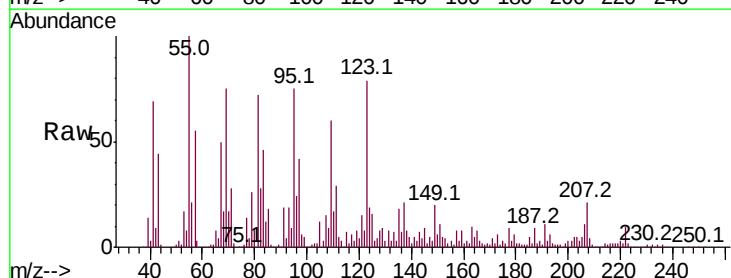
Instrument :
BNA_F
ClientSampleId :

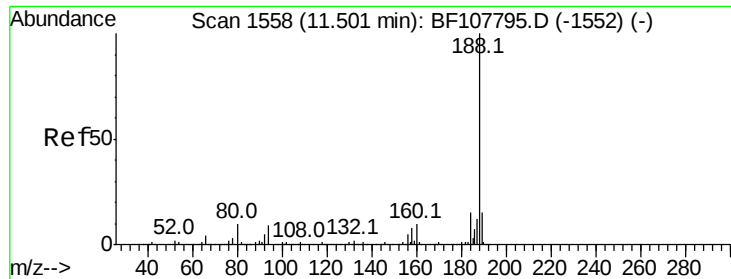
Tot Ion:165 Resp: 13970
Ion Ratio Lower Upper
165 100
63 13.1 36.4 54.6#
89 8.8 57.8 86.6#
182 6.5 1.6 2.4#



#59
Diethylphthalate
Concen: 2.323 ng
RT: 10.42 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BF107834.D
Acq: 31 Jul 2018 7:05

Tgt Ion:149 Resp: 30508
Ion Ratio Lower Upper
149 100
177 45.6 16.1 24.1#
150 32.2 10.1 15.1#

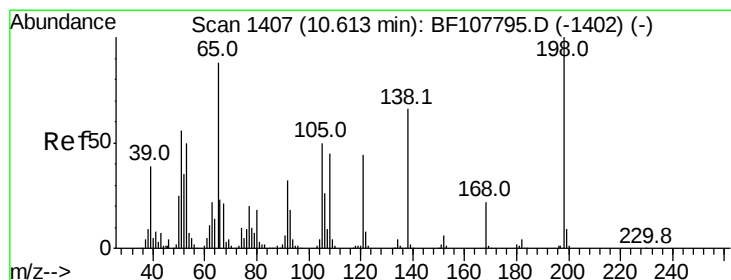
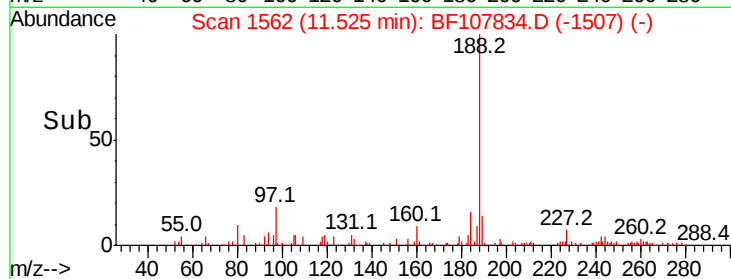
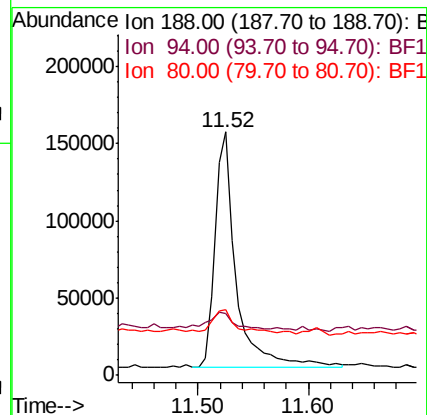
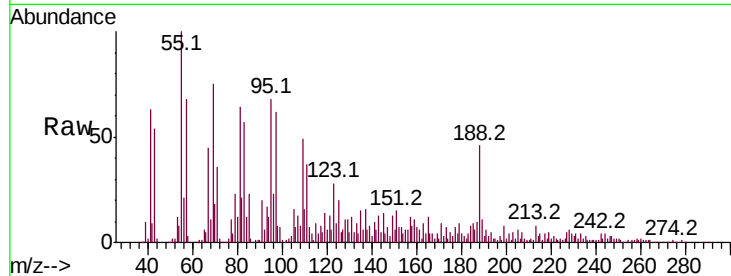




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.52 min Scan# 1562
Delta R.T. 0.02 min
Lab File: BF107834.D
Acq: 31 Jul 2018 7:05

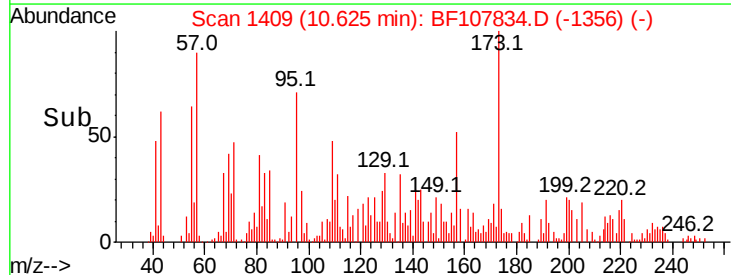
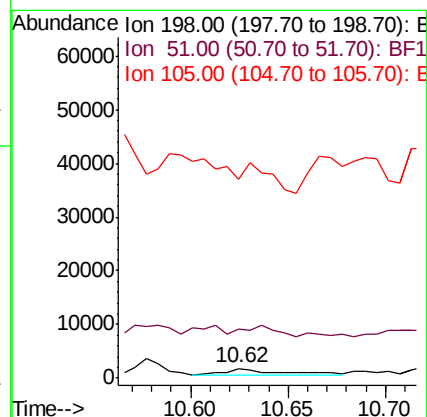
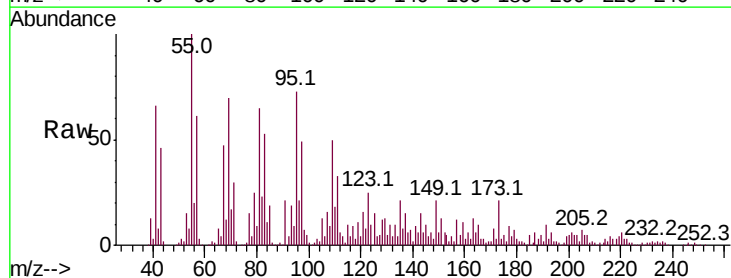
Instrument :
BNA_F
ClientSampleId :

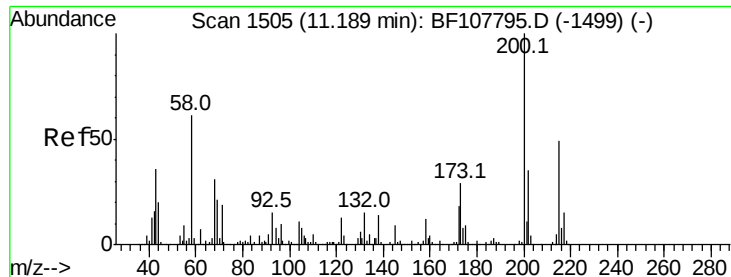
Tot Ion:188 Resp: 198402
Ion Ratio Lower Upper
188 100
94 25.6 8.5 12.7#
80 27.1 9.2 13.8#



#64
4,6-Dinitro-2-methylphenol
Concen: 2.258 ng
RT: 10.62 min Scan# 1409
Delta R.T. 0.01 min
Lab File: BF107834.D
Acq: 31 Jul 2018 7:05

Tgt Ion:198 Resp: 2437
Ion Ratio Lower Upper
198 100
51 486.5 37.7 77.7#
105 2000.0 36.3 76.3#

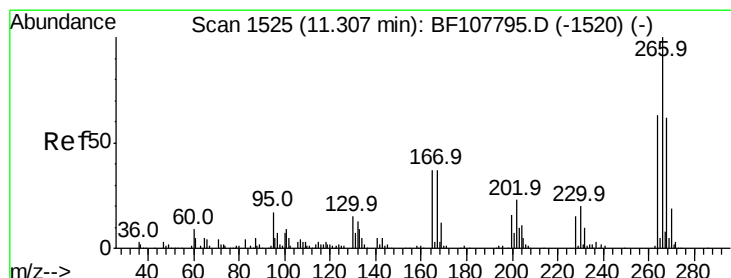
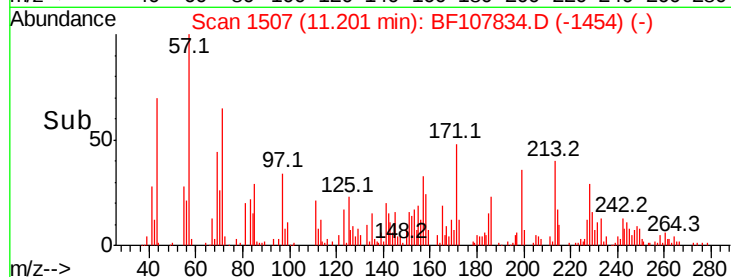
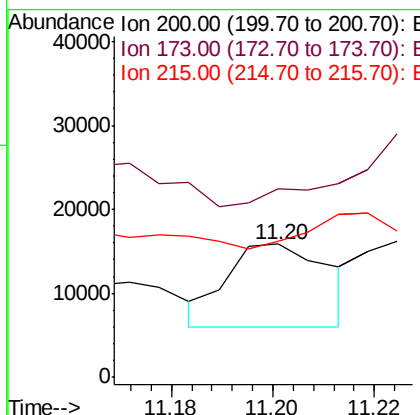
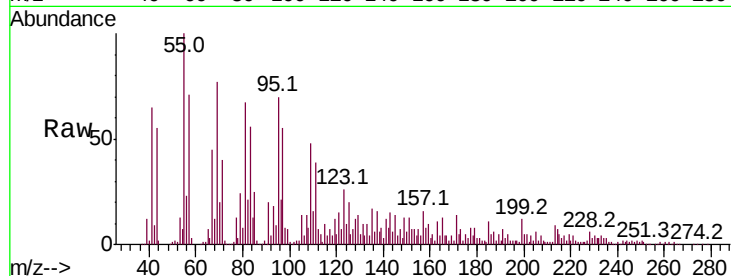




#68
Atrazine
Concen: 7.079 ng
RT: 11.20 min Scan# 1507
Delta R.T. 0.01 min
Lab File: BF107834.D
Acq: 31 Jul 2018 7:05

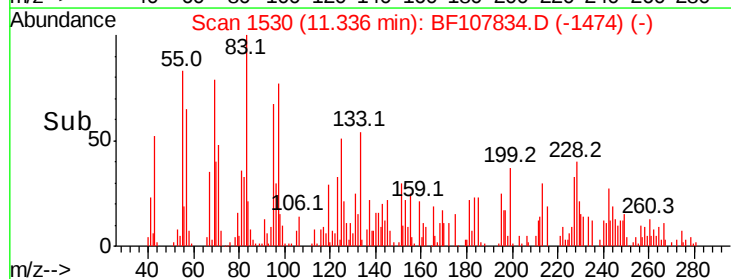
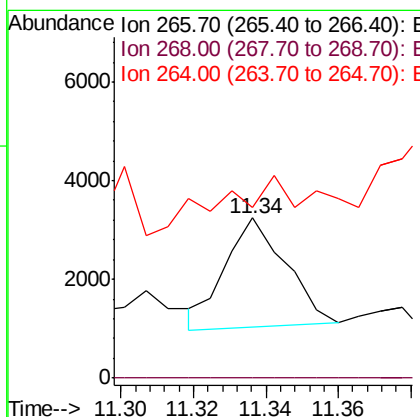
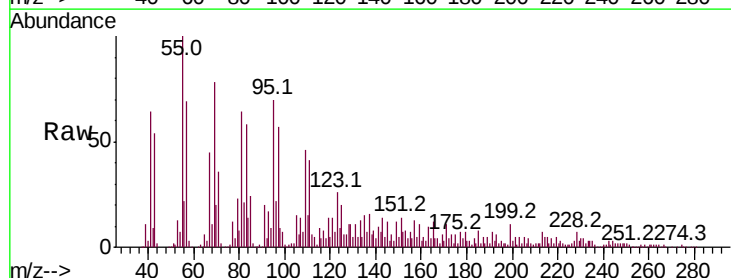
Instrument :
BNA_F
ClientSampled :

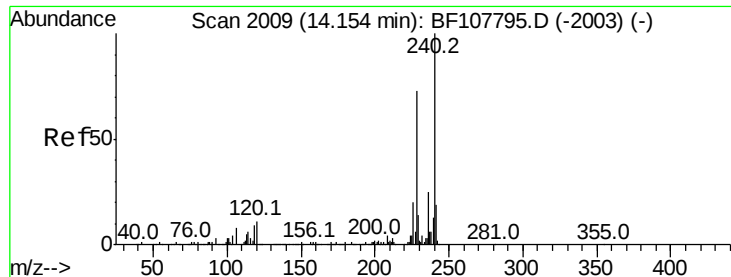
Tot Ion	Ratio	Lower	Upper
200	100		
173	141.5	8.6	48.6#
215	102.2	25.1	65.1#



#69
Pentachlorophenol
Concen: 2.042 ng
RT: 11.34 min Scan# 1530
Delta R.T. 0.03 min
Lab File: BF107834.D
Acq: 31 Jul 2018 7:05

Tgt Ion	Ratio	Lower	Upper
266	100		
268	0.0	51.1	76.7#
264	107.1	49.5	74.3#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.17 min Scan# 2011

Delta R.T. 0.01 min

Lab File: BF107834.D

Acq: 31 Jul 2018 7:05

Instrument :

BNA_F

ClientSampleId :

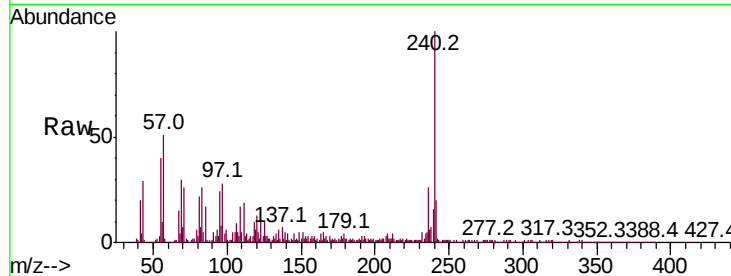
Tot Ion:240 Resp: 375737

Ion Ratio Lower Upper

240 100

120 12.8 9.5 14.3

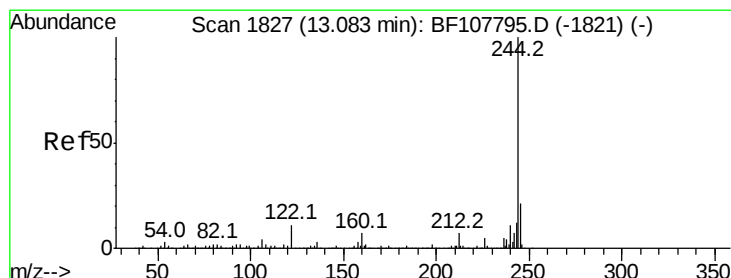
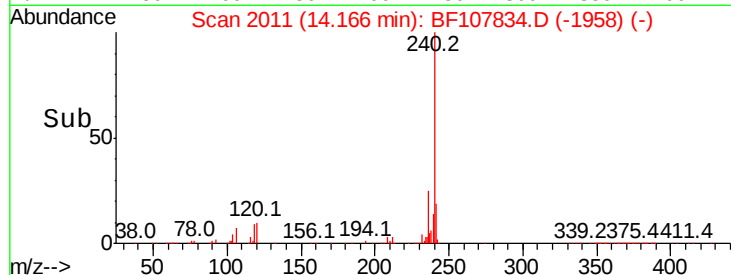
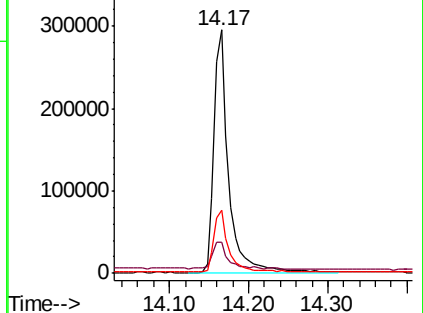
236 25.9 20.7 31.1



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



#78

Terphenyl-d14

Concen: 1.012 ng

RT: 13.10 min Scan# 1830

Delta R.T. 0.02 min

Lab File: BF107834.D

Acq: 31 Jul 2018 7:05

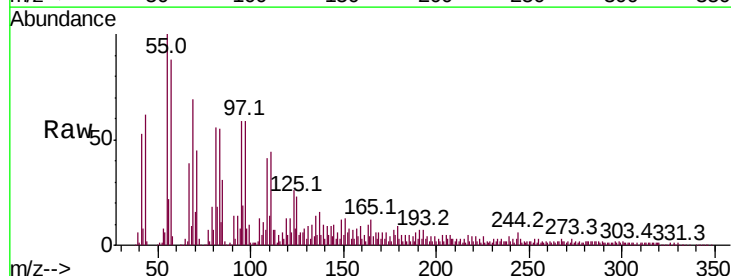
Tgt Ion:244 Resp: 17531

Ion Ratio Lower Upper

244 100

212 31.0 5.4 8.0#

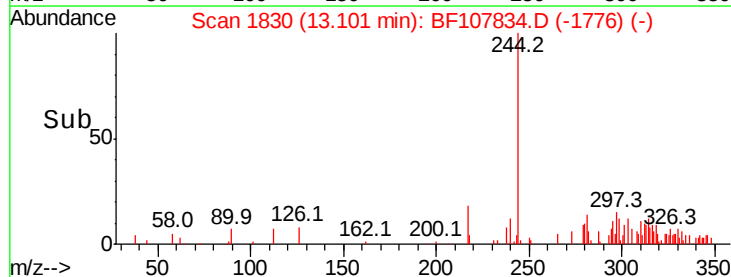
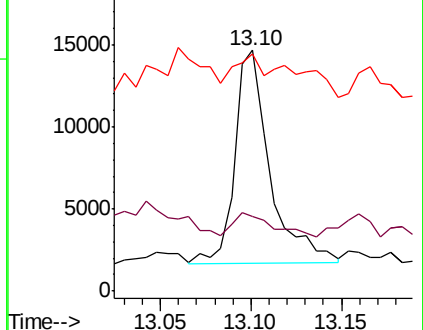
122 98.6 11.0 16.4#

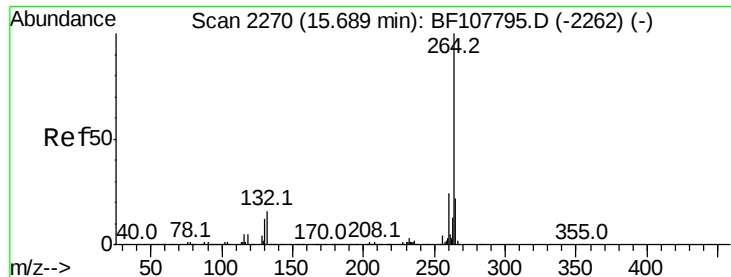


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

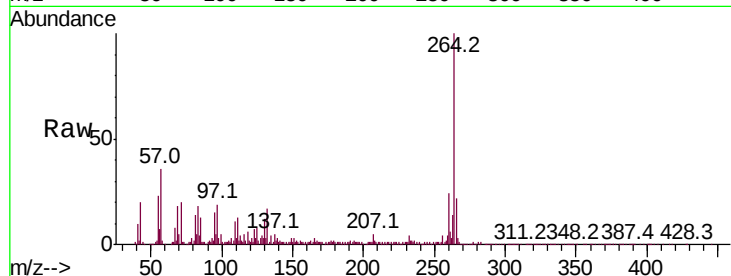




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF107834.D
Acq: 31 Jul 2018 7:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	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

