

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020718\
 Data File : BF102810.D
 Acq On : 7 Feb 2018 12:53
 Operator : SJ/JU
 Sample : PB106327BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 08 02:13:08 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

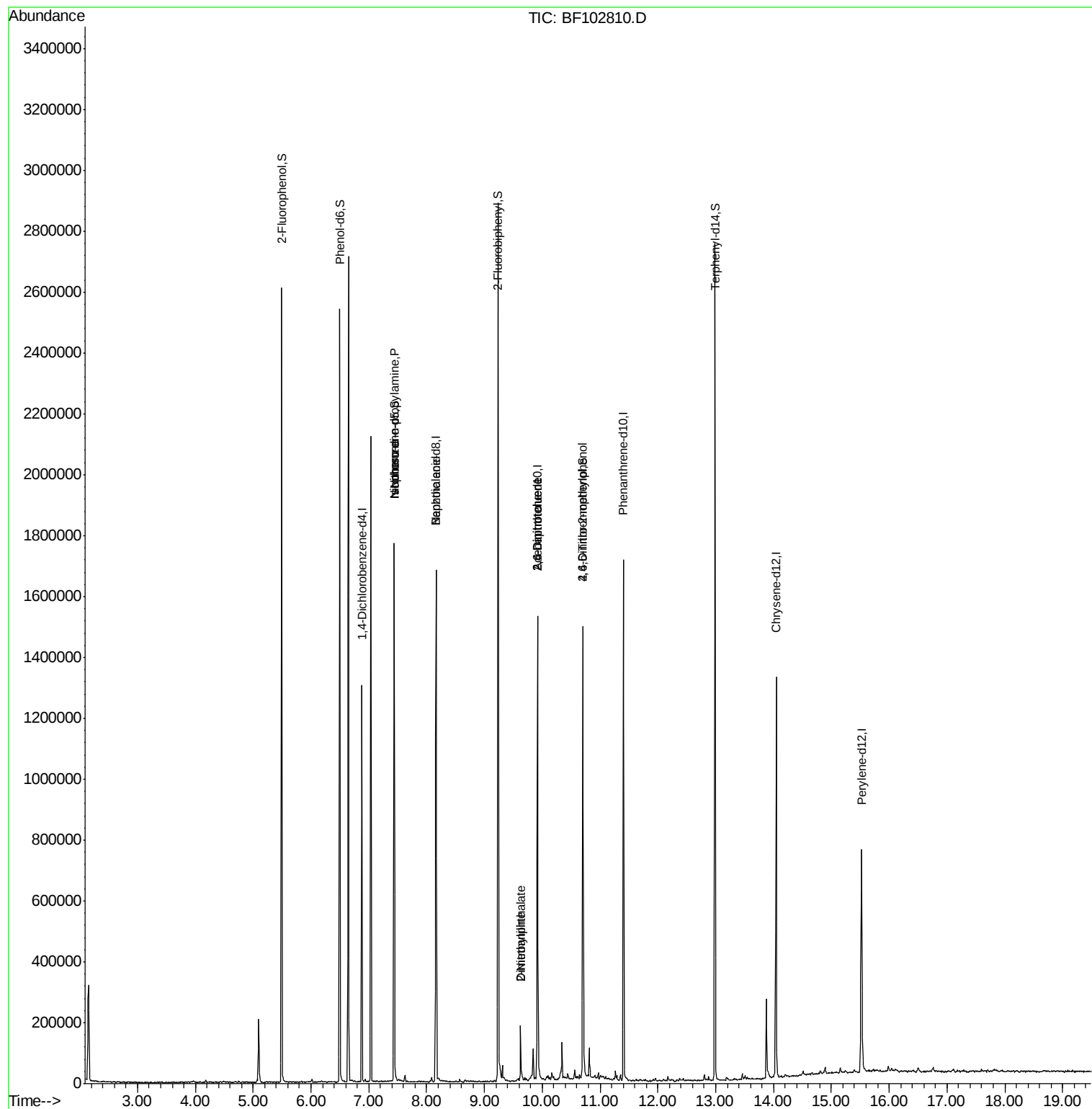
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	170727	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	711133	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	330056	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	586439	20.00	ng	0.00
75) Chrysene-d12	14.04	240	449887	20.00	ng	0.00
86) Perylene-d12	15.52	264	350316	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	639580	56.89	ng	0.00
7) Phenol-d6	6.50	99	789566	58.33	ng	0.00
23) Nitrobenzene-d5	7.44	82	493360	48.13	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	164564	61.95	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	925970	46.55	ng	-0.01
78) Terphenyl-d14	12.99	244	896417	47.18	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	66784	7.48	ng	# 80
25) Isophorone	7.44	82	493354	20.90	ng	# 64
32) Benzoic acid	8.16	122	137	8.56	ng	# 1
47) 2-Nitroaniline	9.63	65	874	3.59	ng	# 1
49) Dimethylphthalate	9.63	163	69167	2.69	ng	100
50) 2,6-Dinitrotoluene	9.92	165	42313	8.64	ng	# 25
56) 2,4-Dinitrotoluene	9.92	165	42313	9.11	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	401	8.94	ng	# 1

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 815

Delta R.T. 0.00 min

Lab File: BF102810.D

Acq: 7 Feb 2018 12:53

Instrument :

BNA_F

ClientSampleId :

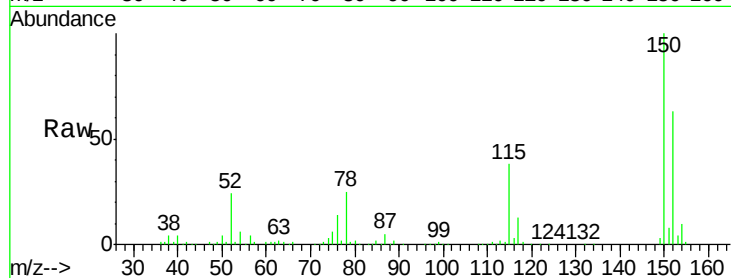
Tot Ion:152 Resp: 170727

Ion Ratio Lower Upper

152 100

150 159.5 124.6 186.8

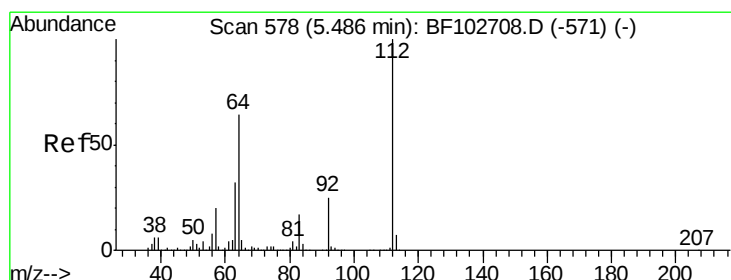
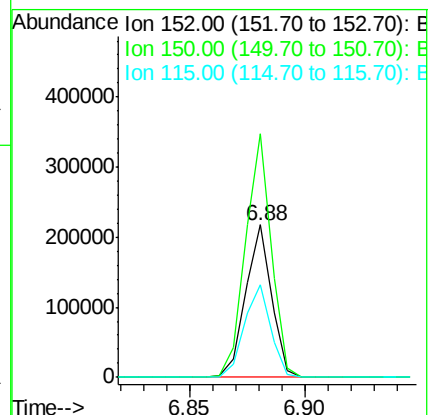
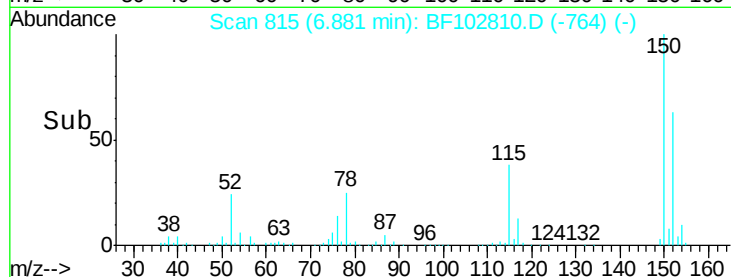
115 60.4 50.1 75.1



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: 56.89 ng

RT: 5.49 min Scan# 579

Delta R.T. 0.00 min

Lab File: BF102810.D

Acq: 7 Feb 2018 12:53

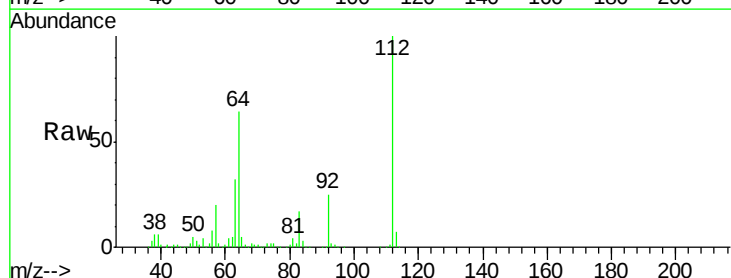
Tgt Ion:112 Resp: 639580

Ion Ratio Lower Upper

112 100

64 63.9 47.9 71.9

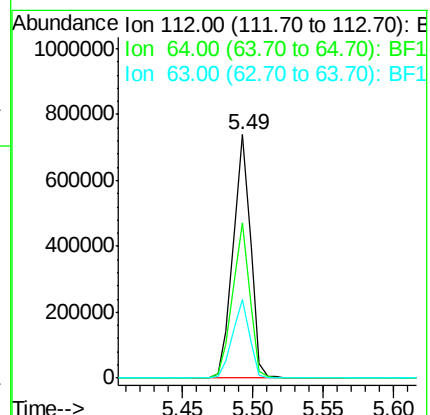
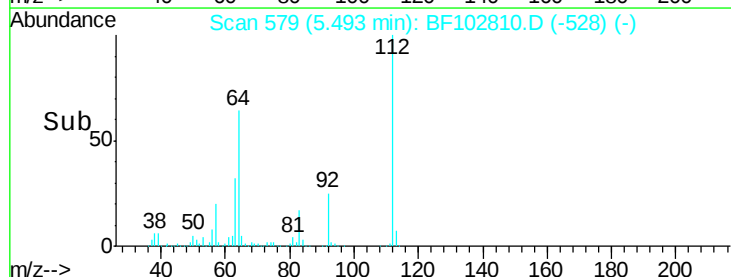
63 32.2 23.7 35.5



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: 58.33 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF102810.D

Acq: 7 Feb 2018 12:53

Instrument :

BNA_F

ClientSampled :

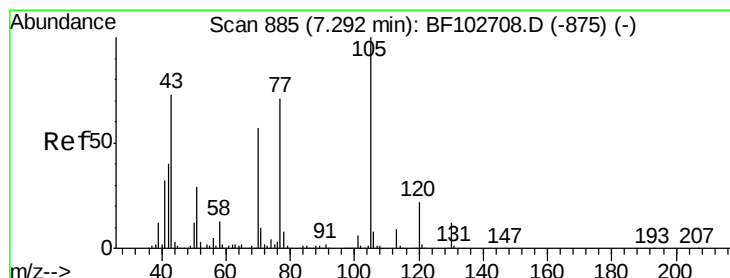
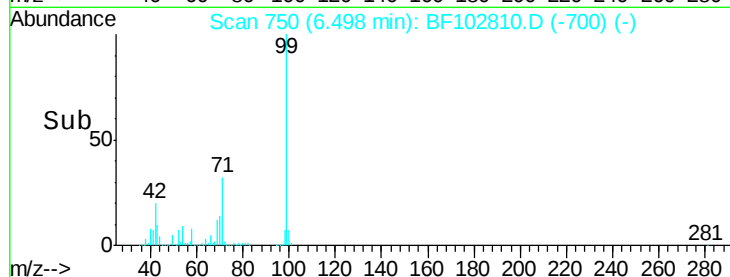
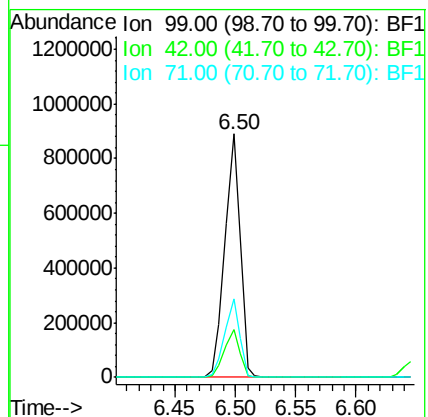
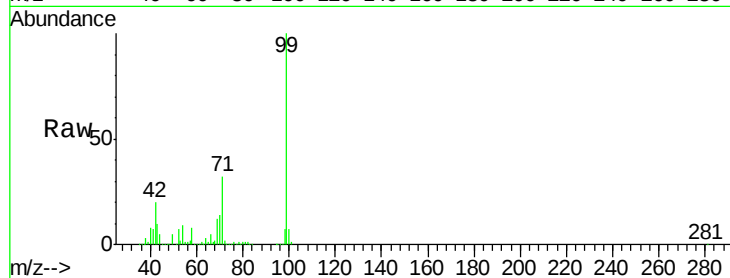
Tot Ion: 99 Resp: 789566

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

71 32.3 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 7.48 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF102810.D

Acq: 7 Feb 2018 12:53

Tgt Ion: 70 Resp: 66784

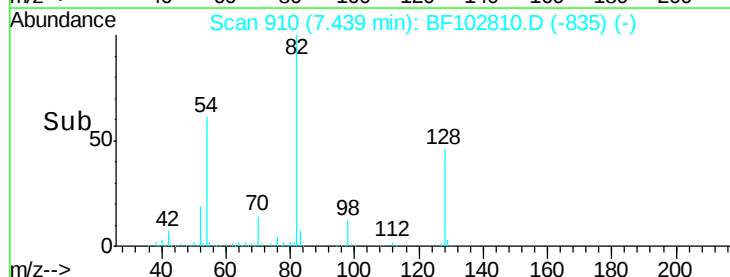
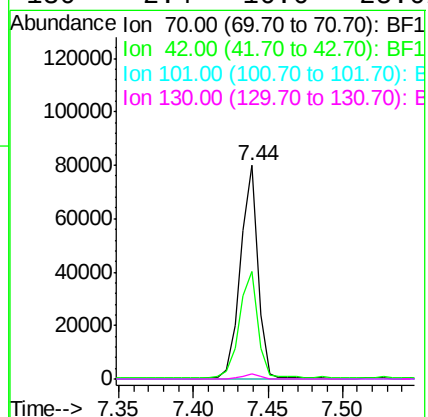
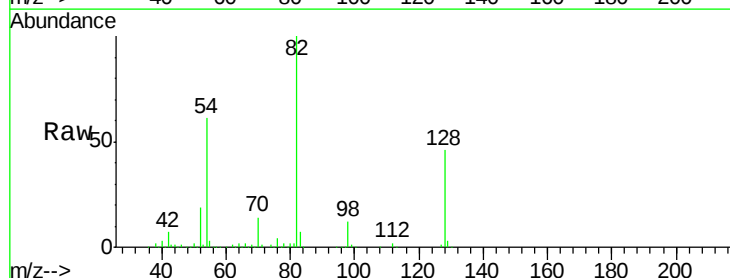
Ion Ratio Lower Upper

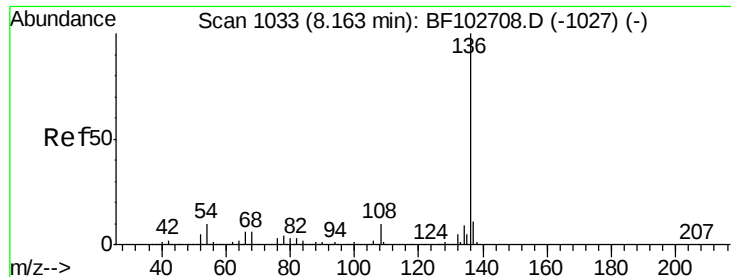
70 100

42 50.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

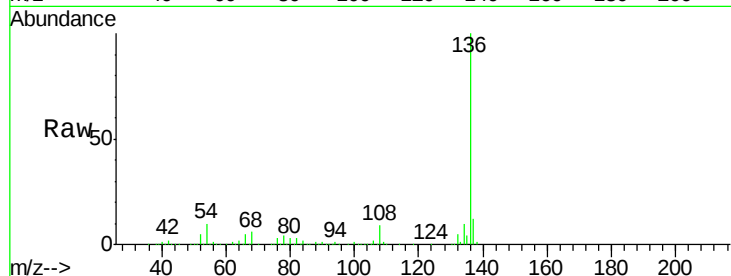




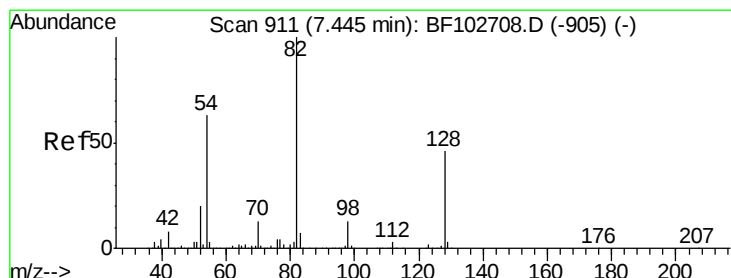
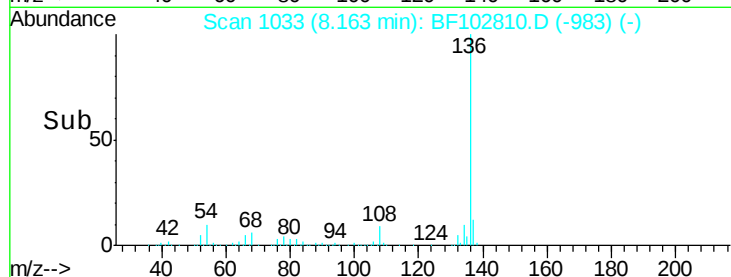
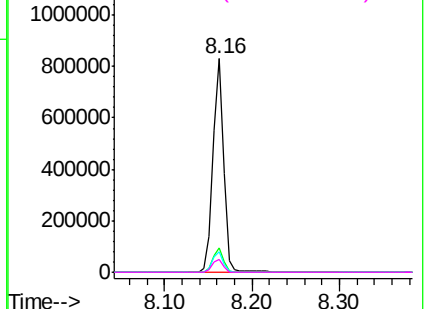
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF102810.D
Acq: 7 Feb 2018 12:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	711133
Ion	Ratio	Lower Upper
136	100	
137	11.5	8.9 13.3
54	9.6	6.6 9.8
68	6.3	5.0 7.4

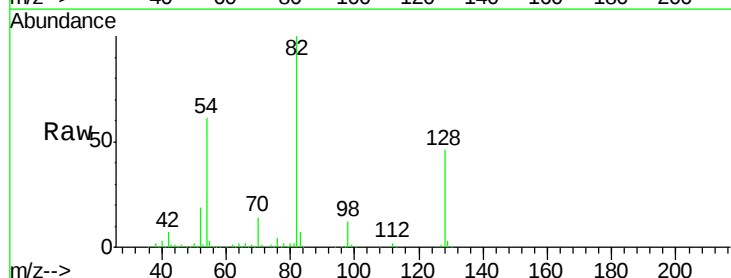


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

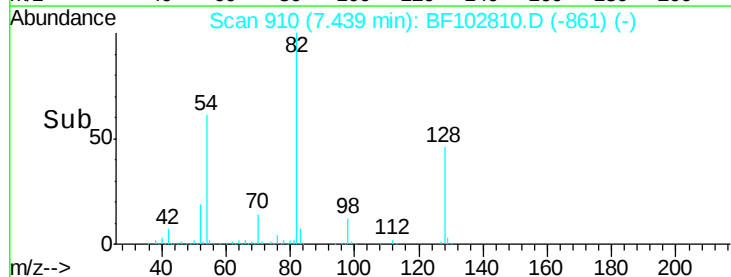
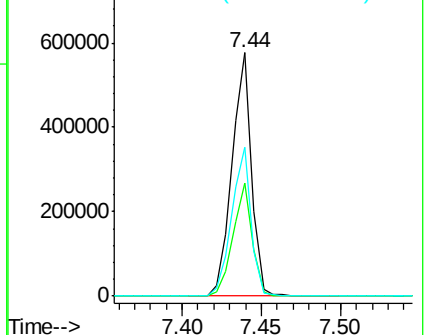


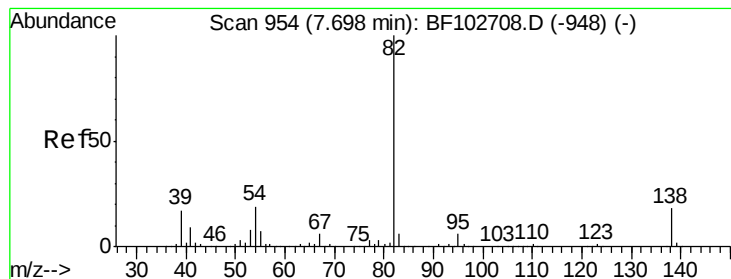
#23
Nitrobenzene-d5
Concen: 48.13 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF102810.D
Acq: 7 Feb 2018 12:53

Tgt Ion: 82	Resp:	493360
Ion	Ratio	Lower Upper
82	100	
128	46.2	36.1 54.1
54	61.0	41.4 62.2



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





#25

Isophorone

Concen: 20.90 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF102810.D

Acq: 7 Feb 2018 12:53

Instrument :

BNA_F

ClientSampleId :

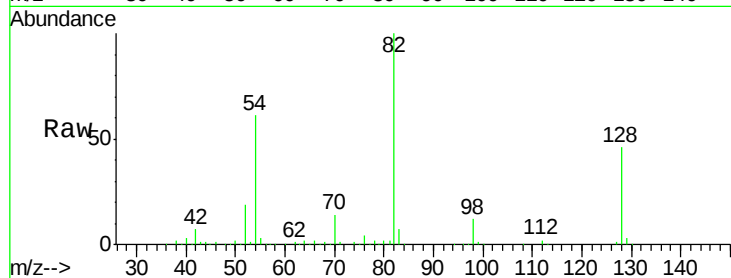
Tot Ion: 82 Resp: 493354

Ion Ratio Lower Upper

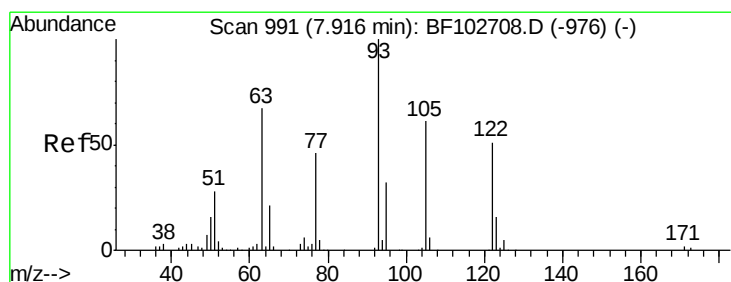
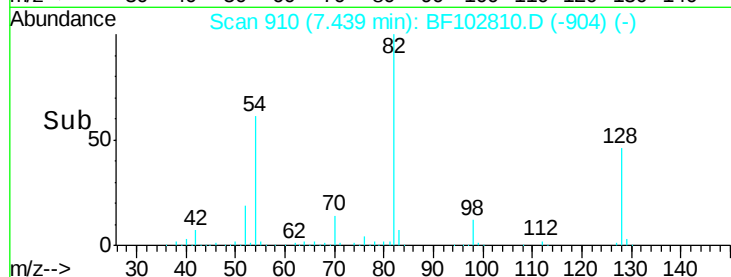
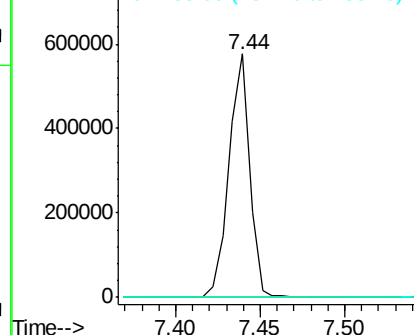
82 100

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



#32

Benzoic acid

Concen: 8.56 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.22 min

Lab File: BF102810.D

Acq: 7 Feb 2018 12:53

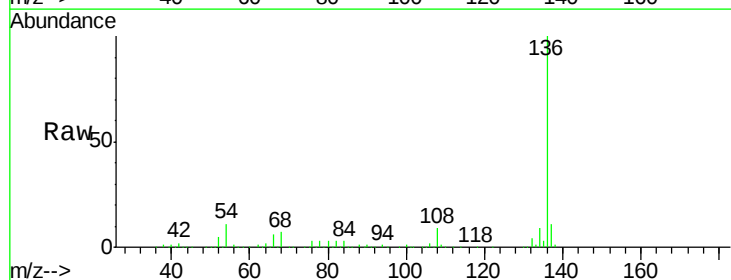
Tgt Ion: 122 Resp: 137

Ion Ratio Lower Upper

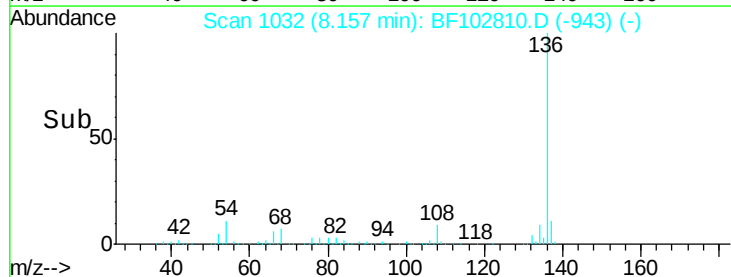
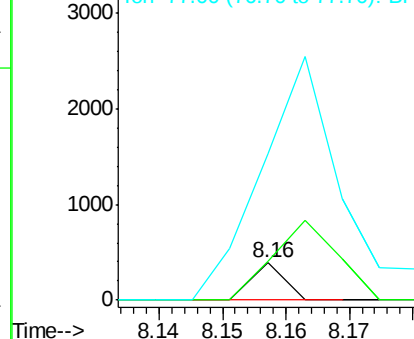
122 100

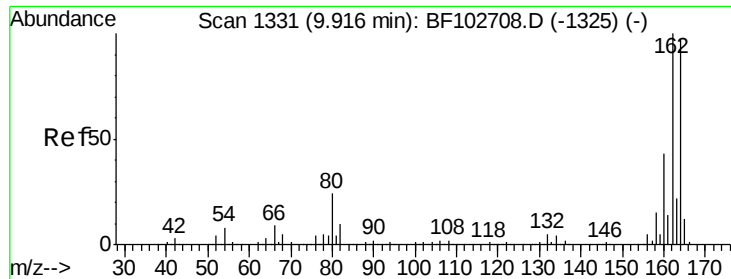
105 105.9 101.1 141.1

77 393.1 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

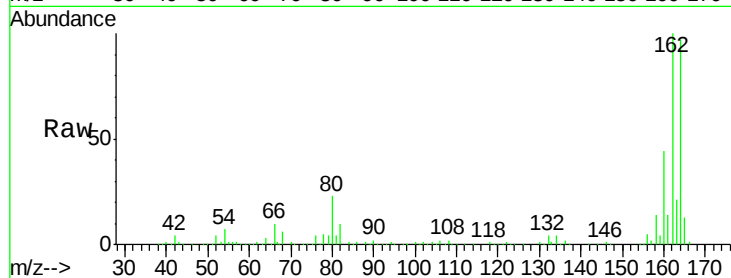




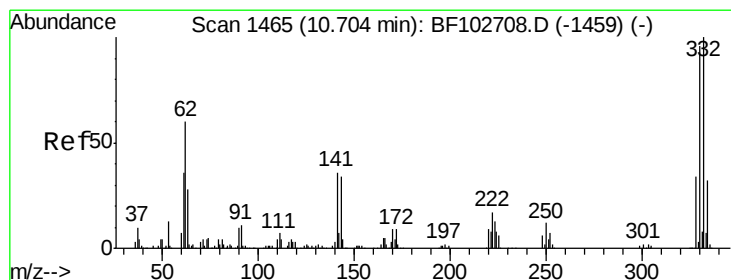
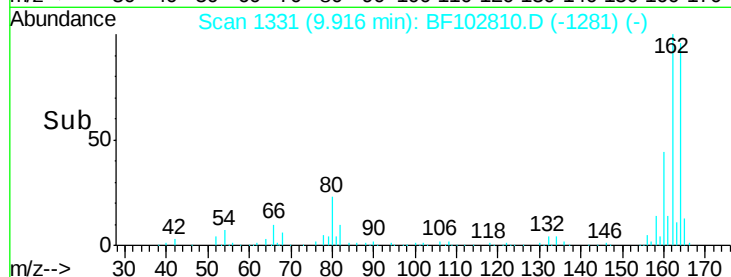
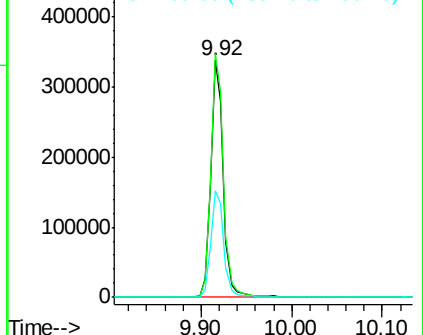
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF102810.D
Acq: 7 Feb 2018 12:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 330056
Ion Ratio Lower Upper
164 100
162 102.7 86.1 129.1
160 44.9 38.3 57.5

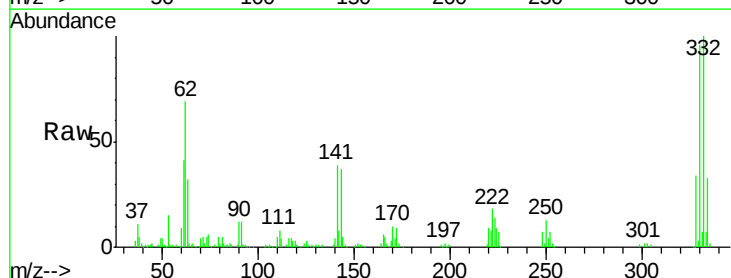


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

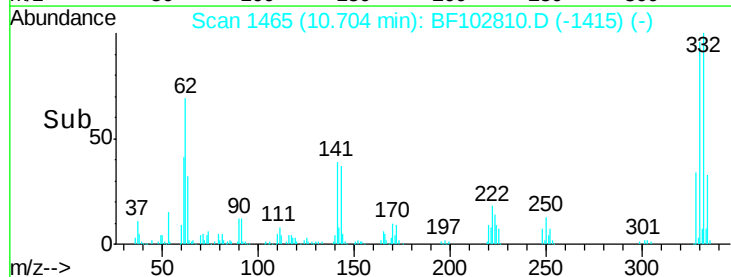
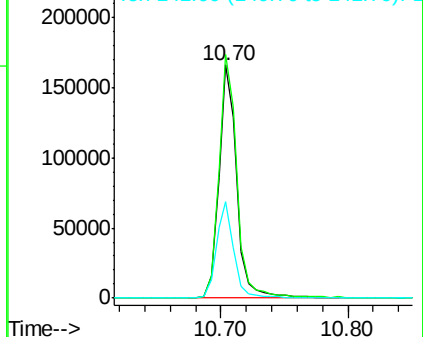


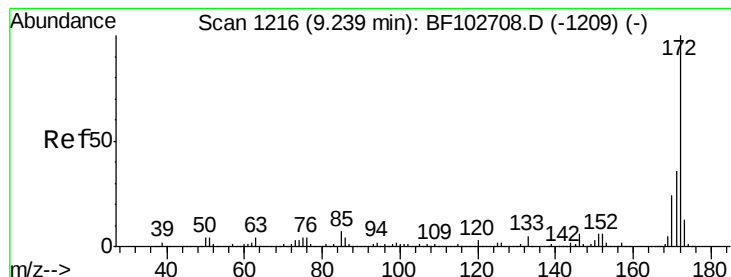
#41
2,4,6-Tribromophenol
Concen: 61.95 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF102810.D
Acq: 7 Feb 2018 12:53

Tgt Ion:330 Resp: 164564
Ion Ratio Lower Upper
330 100
332 105.8 77.0 115.6
141 40.4 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: 46.55 ng

RT: 9.23 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF102810.D

Acq: 7 Feb 2018 12:53

Instrument :

BNA_F

ClientSampleId :

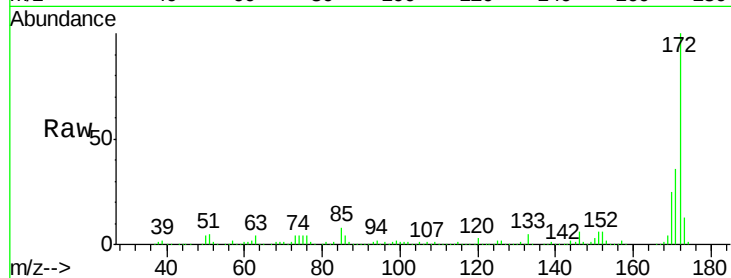
Tot Ion:172 Resp: 925970

Ion Ratio Lower Upper

172 100

171 35.8 29.7 44.5

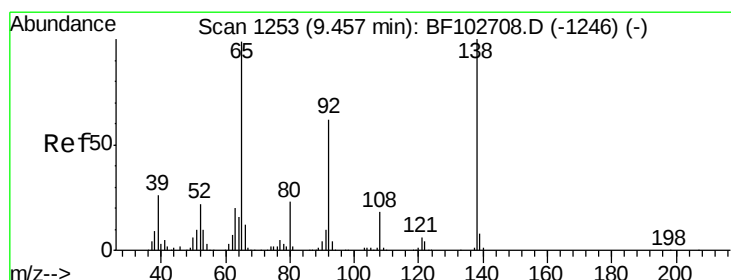
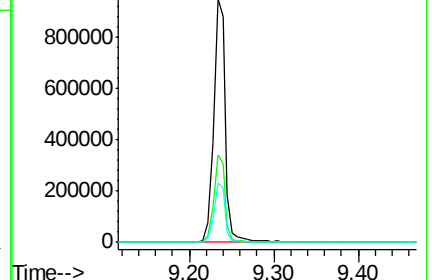
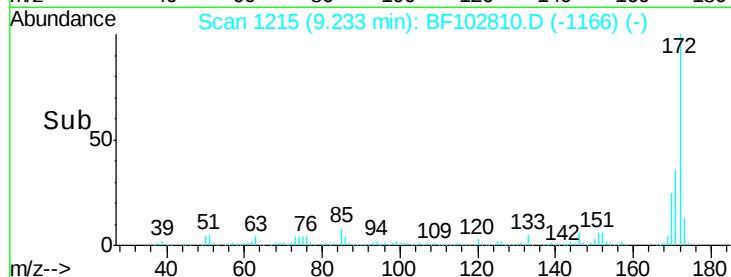
170 24.6 19.6 29.4



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



#47

2-Nitroaniline

Concen: 3.59 ng

RT: 9.63 min Scan# 1282

Delta R.T. 0.16 min

Lab File: BF102810.D

Acq: 7 Feb 2018 12:53

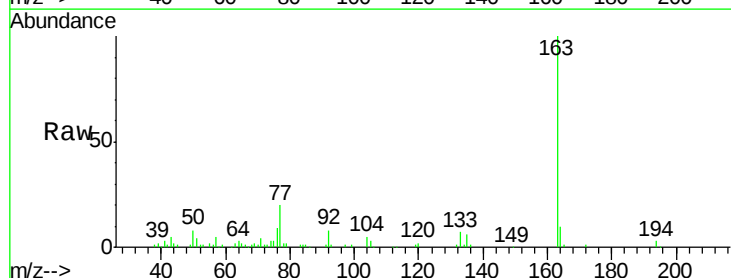
Tgt Ion: 65 Resp: 874

Ion Ratio Lower Upper

65 100

92 545.8 55.8 83.6#

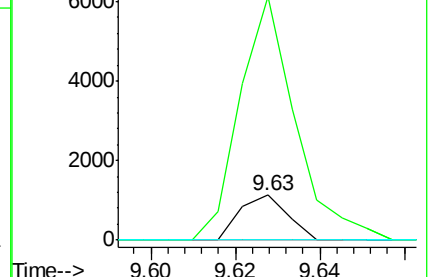
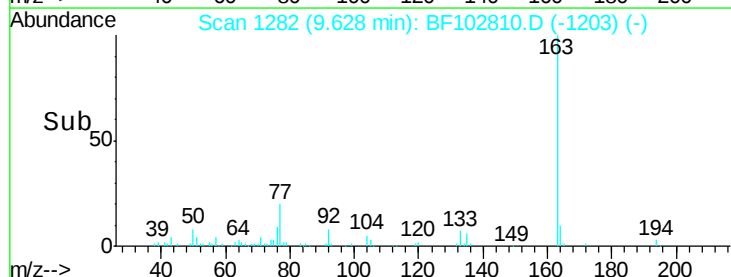
138 0.0 91.2 136.8#

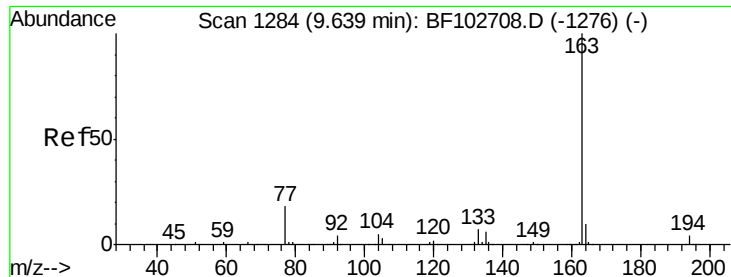


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E

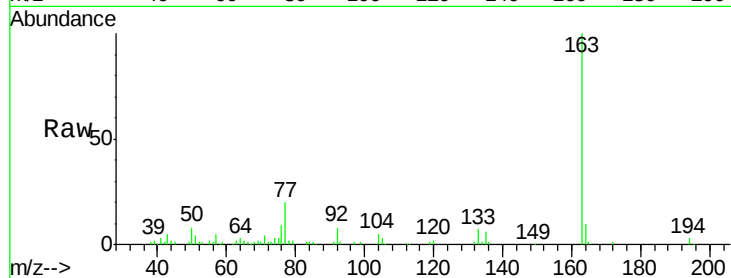




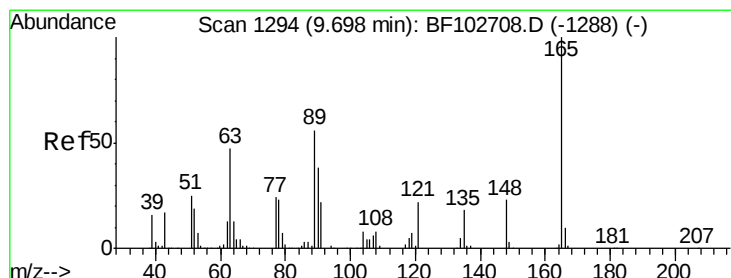
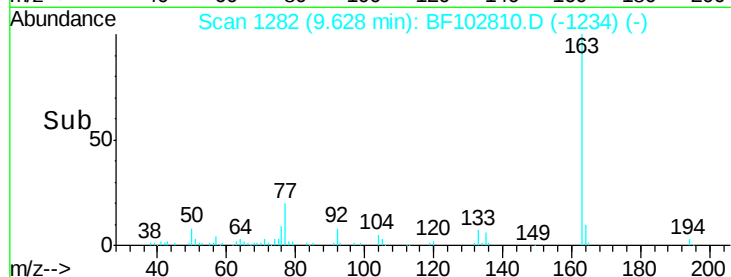
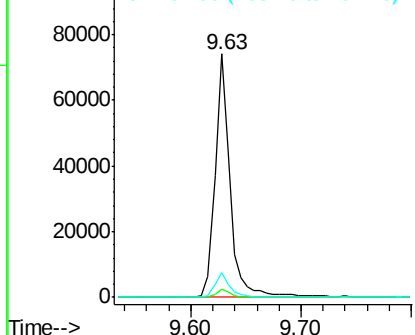
#49
Dimethylphthalate
Concen: 2.69 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF102810.D
Acq: 7 Feb 2018 12:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.7	4.1
164	10.2	8.2	12.2

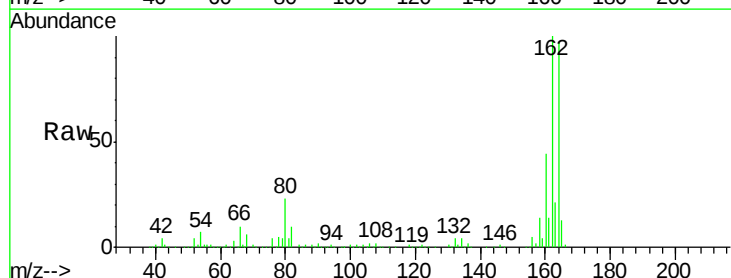


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

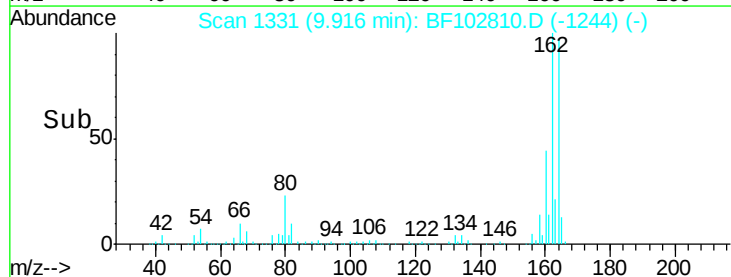
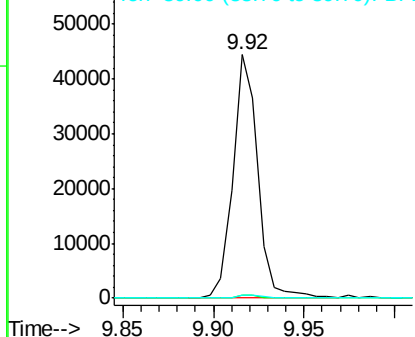


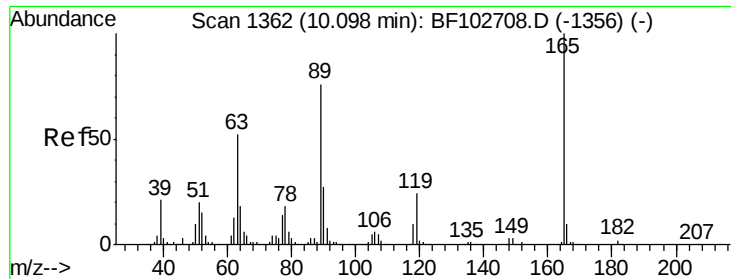
#50
2,6-Dinitrotoluene
Concen: 8.64 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.21 min
Lab File: BF102810.D
Acq: 7 Feb 2018 12:53

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.1	44.0	66.0#



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

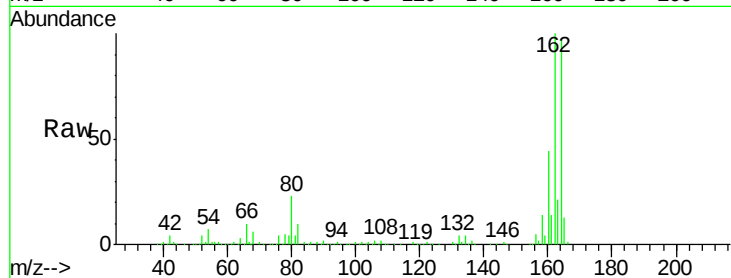




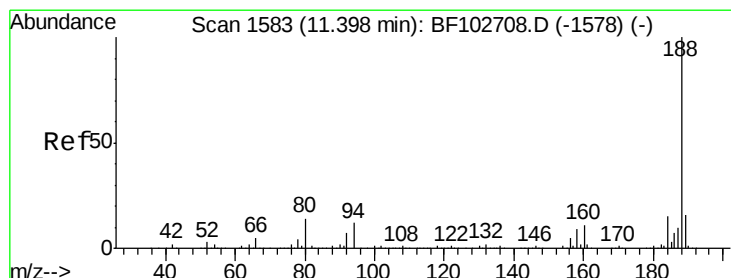
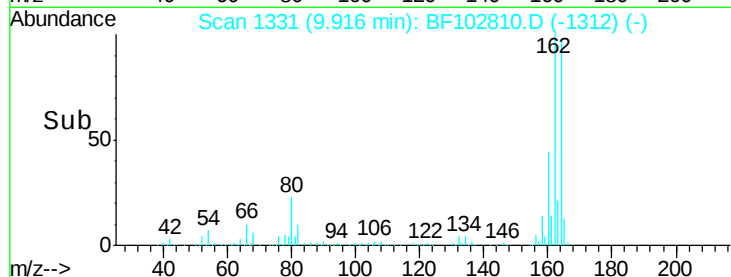
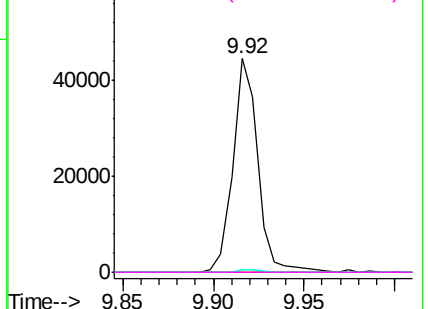
#56
 2,4-Dinitrotoluene
 Concen: 9.11 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF102810.D
 Acq: 7 Feb 2018 12:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 42313
 Ion Ratio Lower Upper
 165 100
 63 1.3 36.4 54.6#
 89 1.1 57.8 86.6#
 182 0.0 1.6 2.4#

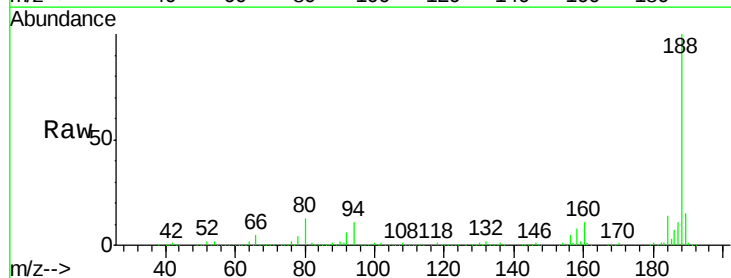


Abundance Ion 165.00 (164.70 to 165.70): E

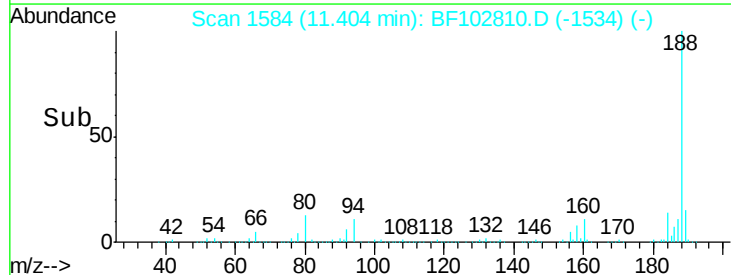
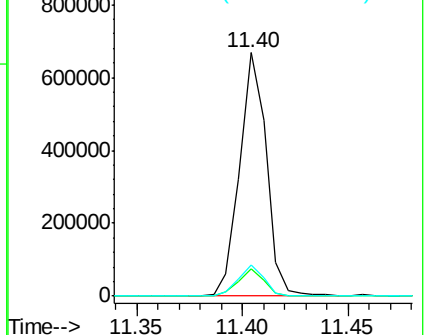


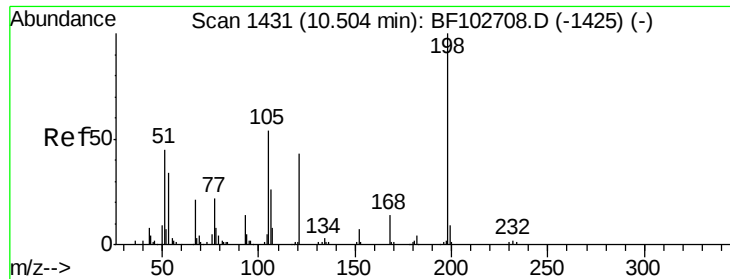
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF102810.D
 Acq: 7 Feb 2018 12:53

Tgt Ion:188 Resp: 586439
 Ion Ratio Lower Upper
 188 100
 94 11.4 8.5 12.7
 80 12.7 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E





#64

4,6-Dinitro-2-methylphenol

Concen: 8.94 ng

RT: 10.70 min Scan# 1464

Delta R.T. 0.18 min

Lab File: BF102810.D

Acq: 7 Feb 2018 12:53

Instrument :

BNA_F

ClientSampleId :

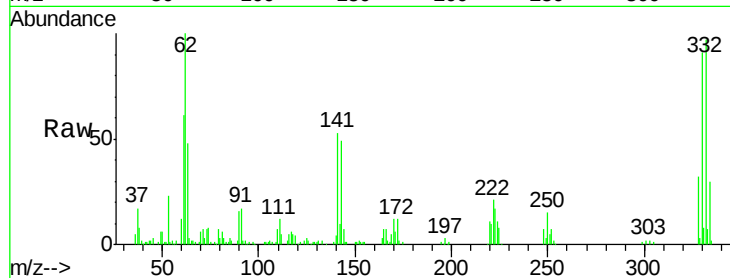
Tot Ion:198 Resp: 401

Ion Ratio Lower Upper

198 100

51 220.6 37.7 77.7#

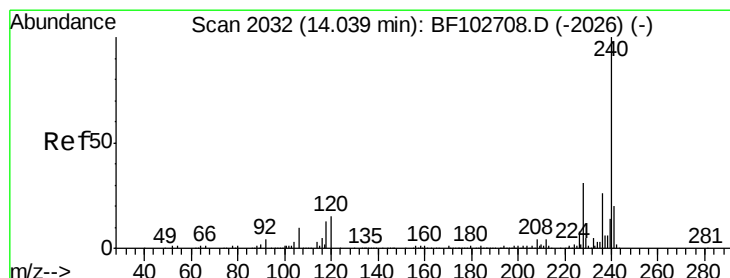
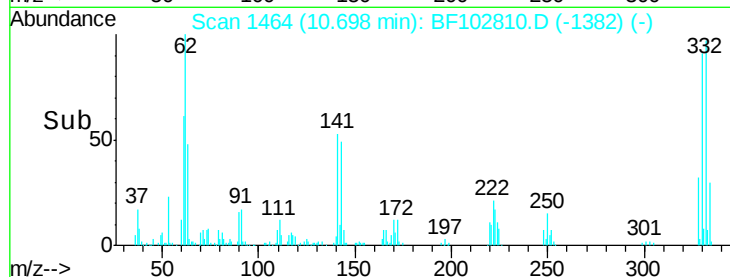
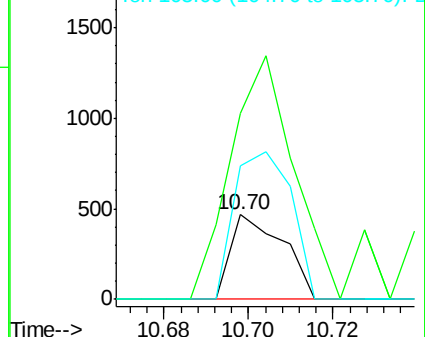
105 158.2 36.3 76.3#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF102810.D

Acq: 7 Feb 2018 12:53

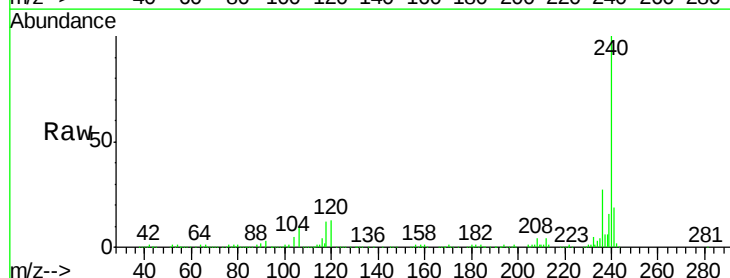
Tgt Ion:240 Resp: 449887

Ion Ratio Lower Upper

240 100

120 13.4 9.5 14.3

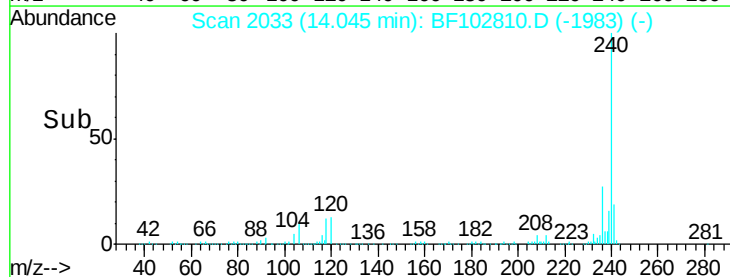
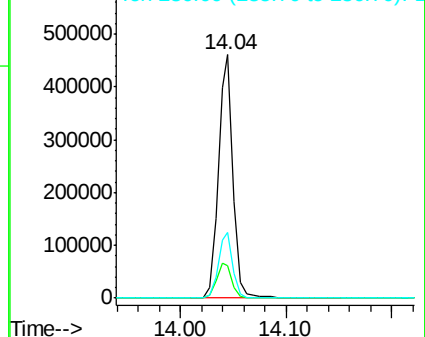
236 27.1 20.7 31.1

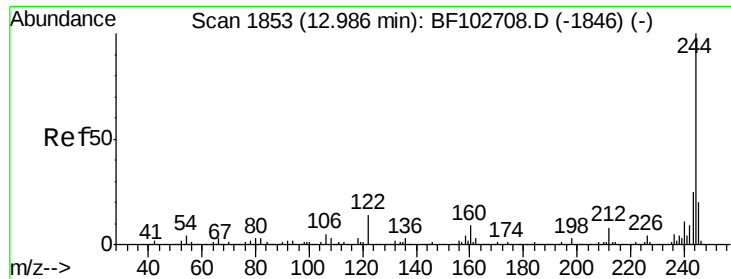


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 47.18 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF102810.D

Acq: 7 Feb 2018 12:53

Instrument :

BNA_F

ClientSampleId :

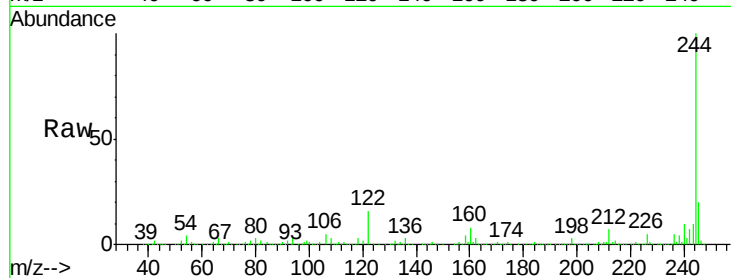
Tot Ion:244 Resp: 896417

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

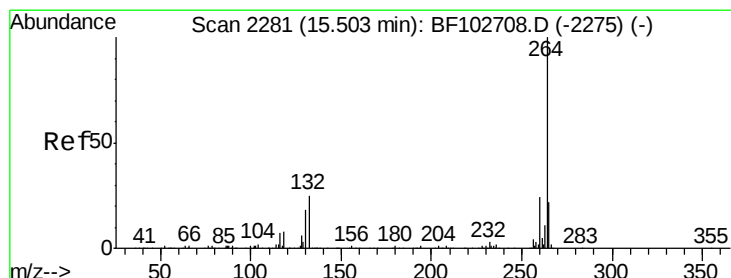
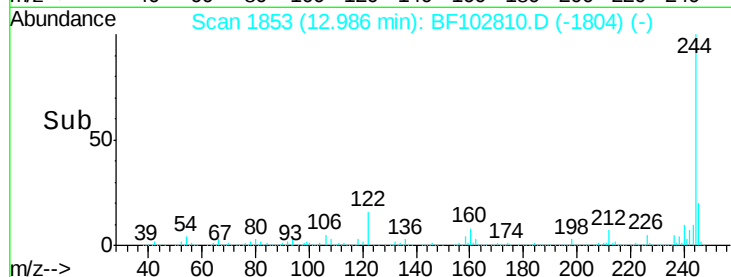
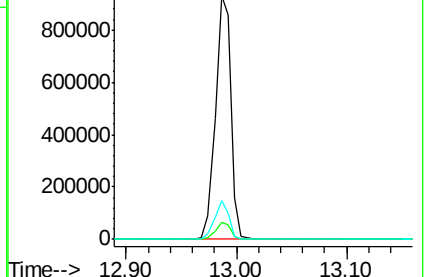
122 16.0 11.0 16.4



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

Perylene-d12

Concen: 20.00 ng

RT: 15.52 min Scan# 2284

Delta R.T. -0.01 min

Lab File: BF102810.D

Acq: 7 Feb 2018 12:53

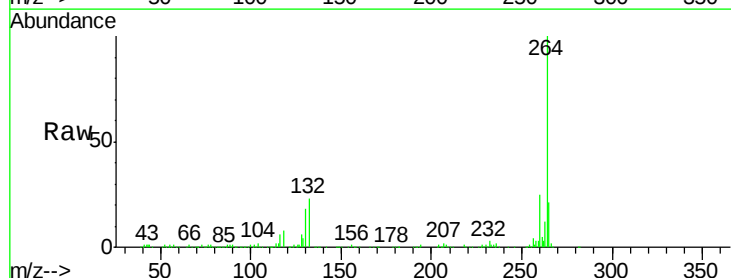
Tgt Ion:264 Resp: 350316

Ion Ratio Lower Upper

264 100

260 25.3 19.2 28.8

265 21.3 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

