

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
 Data File : BF102991.D
 Acq On : 14 Feb 2018 16:03
 Operator : SJ/JU
 Sample : J1541-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 14 17:36:21 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 00:38:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	165368	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	656772	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	250328	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	343854	20.00	ng	0.00
75) Chrysene-d12	14.04	240	290327	20.00	ng	0.00
86) Perylene-d12	15.52	264	260852	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1006497	92.43	ng	0.01
7) Phenol-d6	6.50	99	1199561	91.49	ng	0.00
23) Nitrobenzene-d5	7.44	82	753229	79.56	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	160705	79.76	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1058502	70.17	ng	0.00
78) Terphenyl-d14	12.98	244	644445	52.56	ng	0.00

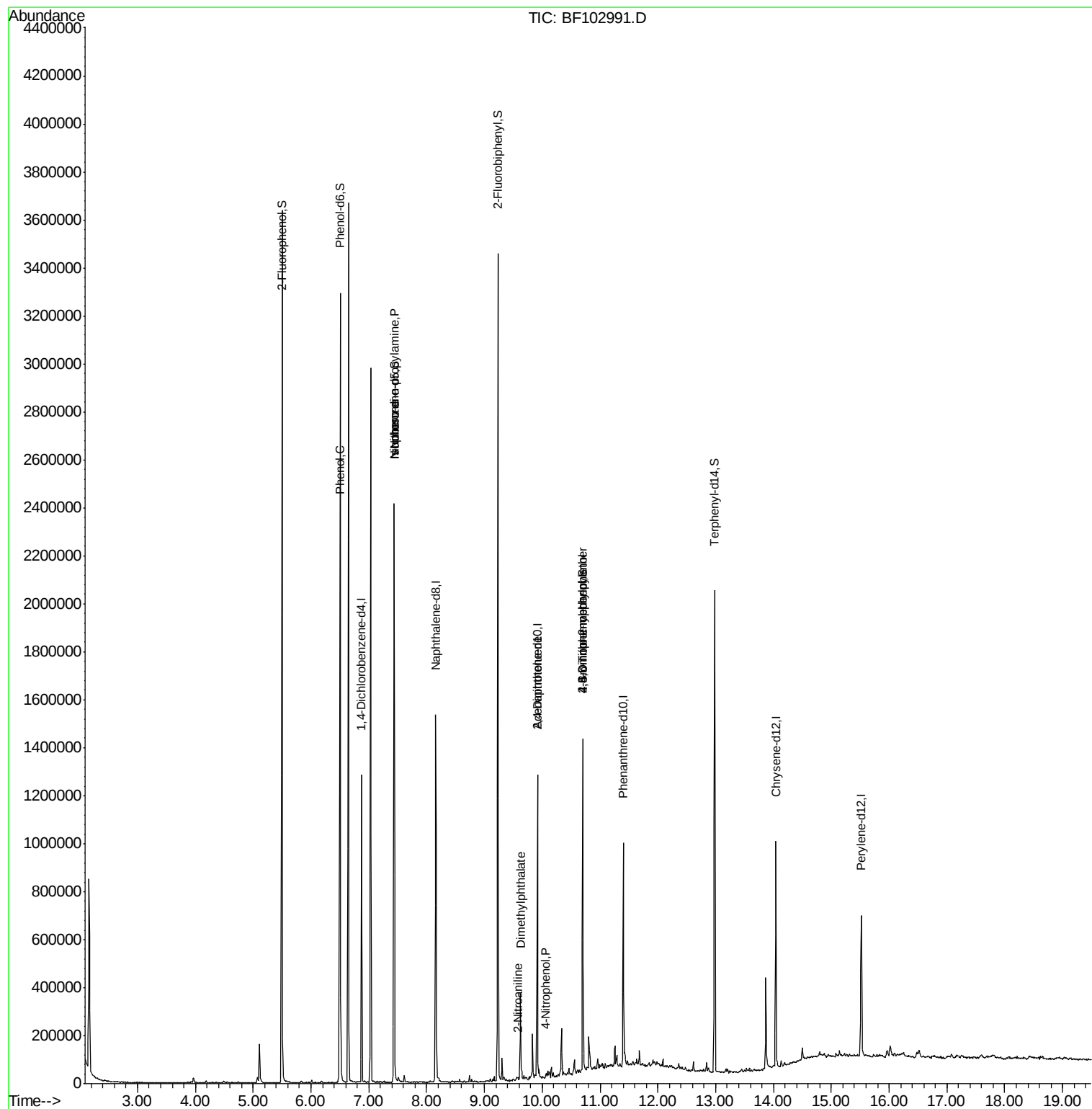
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.52	94	37986	2.703	ng	98
19) n-Nitroso-di-n-propylamine	7.44	70	98932	11.445	ng	# 82
25) Isophorone	7.44	82	753225	34.551	ng	# 64
47) 2-Nitroaniline	9.57	65	111	3.492	ng	# 2
49) Dimethylphthalate	9.62	163	108368	5.552	ng	99
55) 4-Nitrophenol	10.06	139	118	4.054	ng	# 16
56) 2,4-Dinitrotoluene	9.91	165	32230	9.132	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	340	9.012	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	10468	2.878	ng	# 1

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

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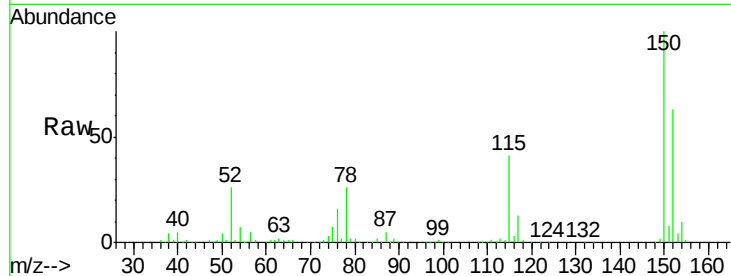


#1

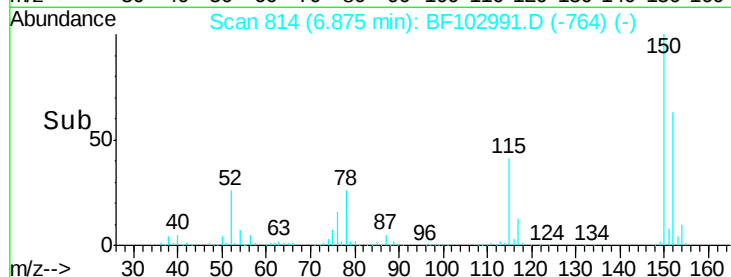
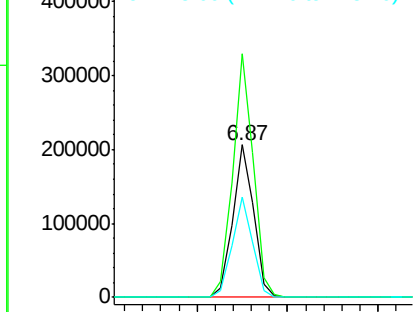
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF102991.D
Acq: 14 Feb 2018 16:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 165368
Ion Ratio Lower Upper
152 100
150 159.6 124.6 186.8
115 65.6 50.1 75.1



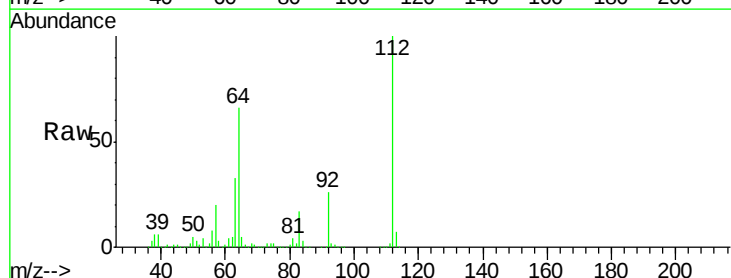
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



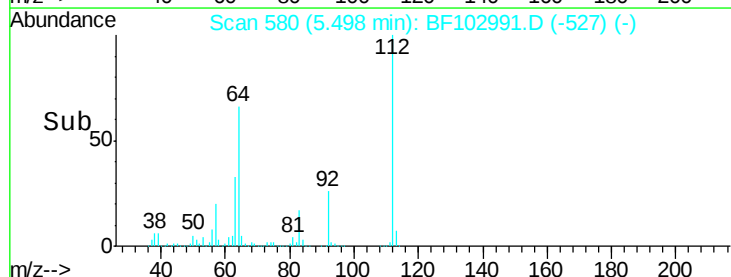
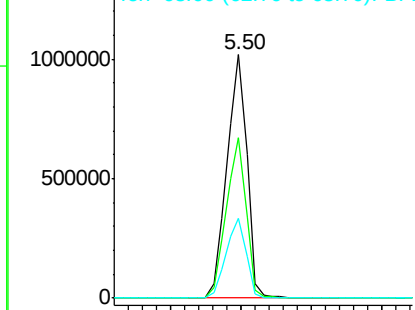
#5

2-Fluorophenol
Concen: 92.432 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF102991.D
Acq: 14 Feb 2018 16:03

Tgt Ion:112 Resp: 1006497
Ion Ratio Lower Upper
112 100
64 65.8 47.9 71.9
63 32.7 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: 91.492 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF102991.D

Acq: 14 Feb 2018 16:03

Instrument :

BNA_F

ClientSampleId :

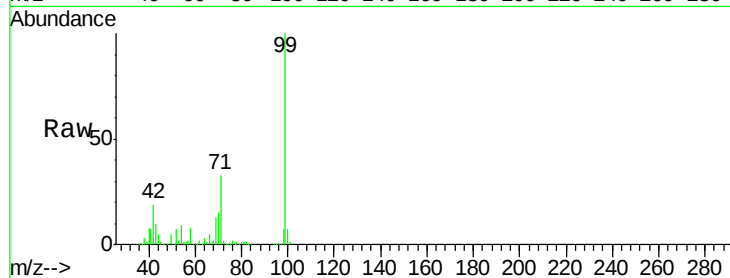
Tot Ion: 99 Resp: 1199561

Ion Ratio Lower Upper

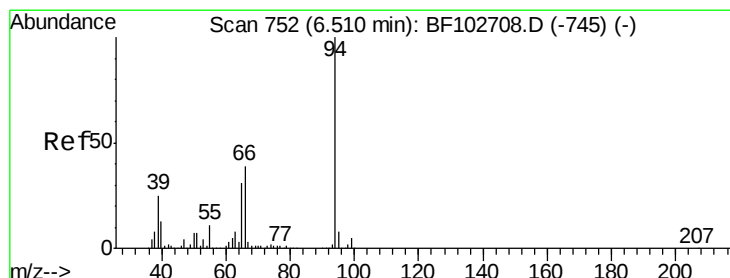
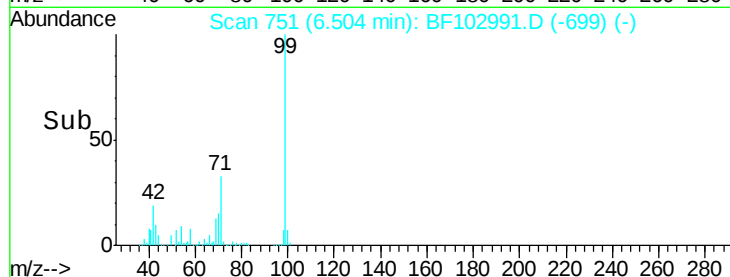
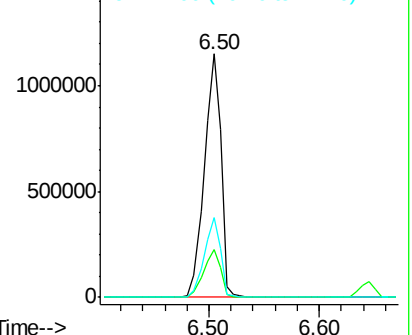
99 100

42 19.5 14.5 21.7

71 32.8 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.703 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF102991.D

Acq: 14 Feb 2018 16:03

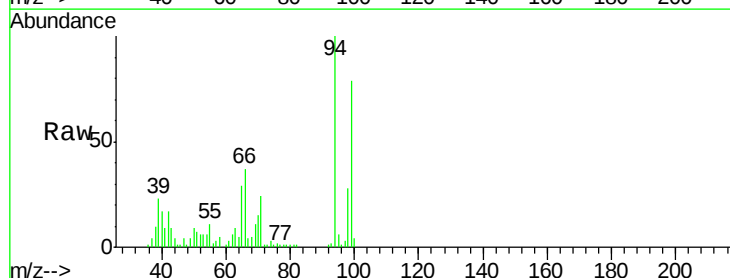
Tgt Ion: 94 Resp: 37986

Ion Ratio Lower Upper

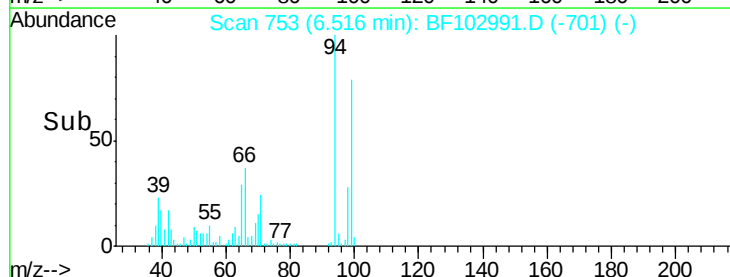
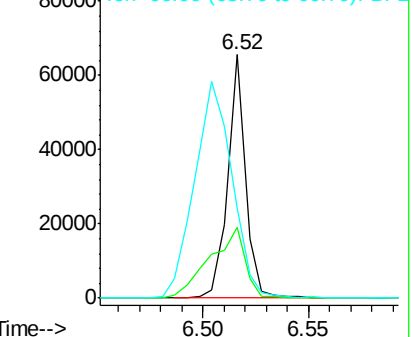
94 100

65 29.1 7.9 47.9

66 37.2 16.2 56.2



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

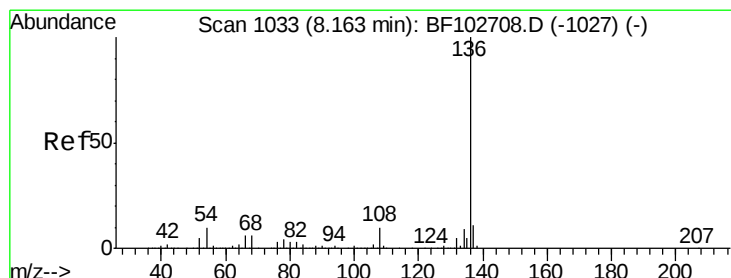
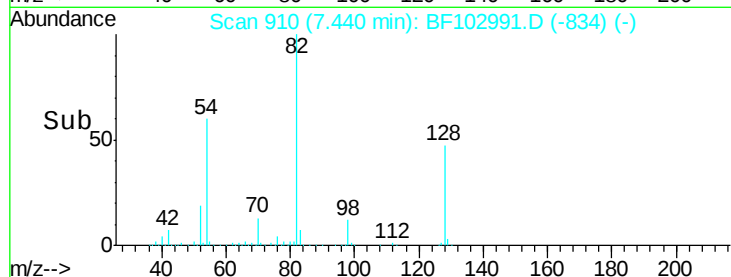
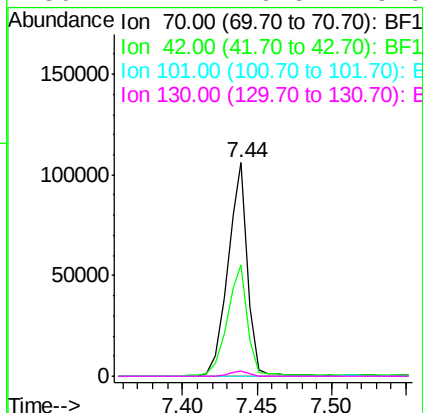
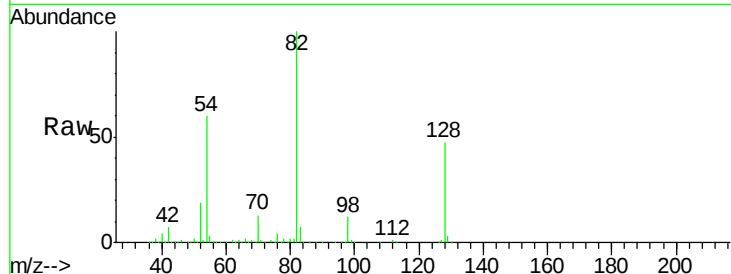




#19
n-Nitroso-di-n-propylamine
Concen: 11.445 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.15 min
Lab File: BF102991.D
Acq: 14 Feb 2018 16:03

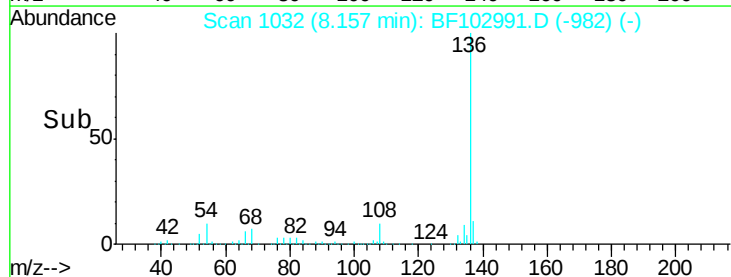
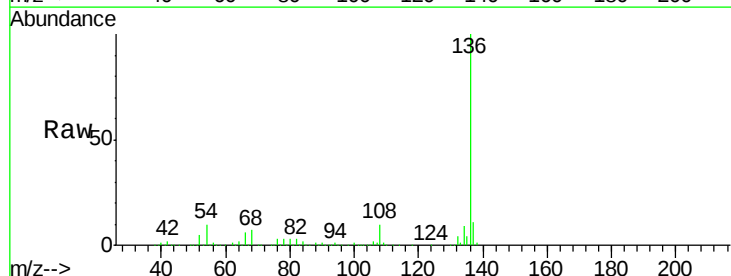
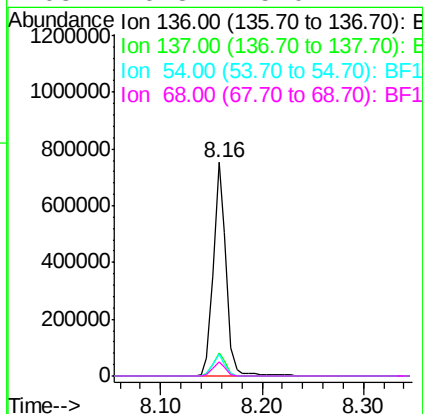
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 98932
Ion Ratio Lower Upper
70 100
42 52.2 47.5 71.3
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF102991.D
Acq: 14 Feb 2018 16:03

Tgt Ion:136 Resp: 656772
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 9.9 6.6 9.8#
68 6.8 5.0 7.4

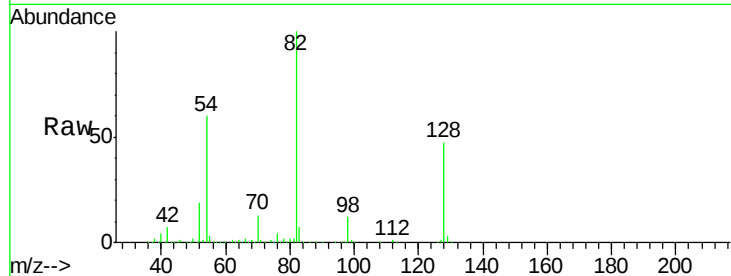




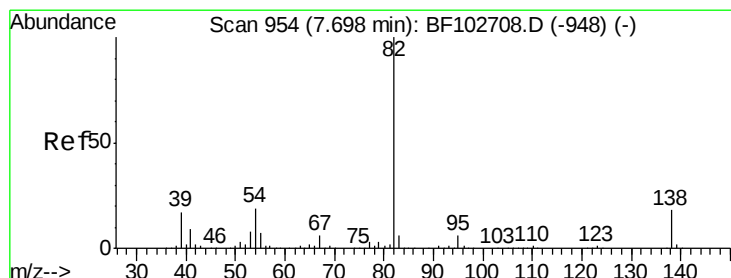
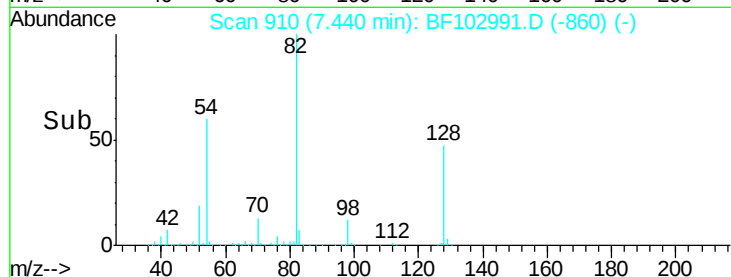
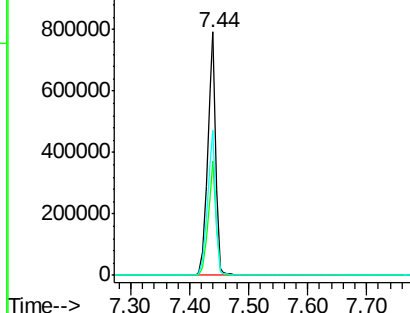
#23
Nitrobenzene-d5
Concen: 79.559 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF102991.D
Acq: 14 Feb 2018 16:03

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	753229
Ion Ratio	Lower	Upper	
82	100		
128	46.8	36.1	54.1
54	59.7	41.4	62.2

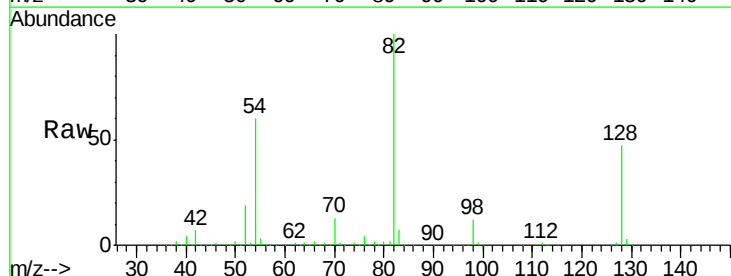


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

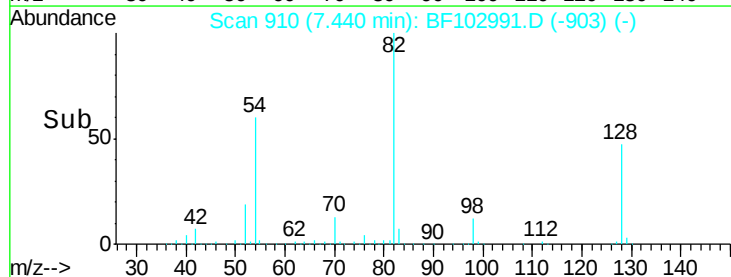
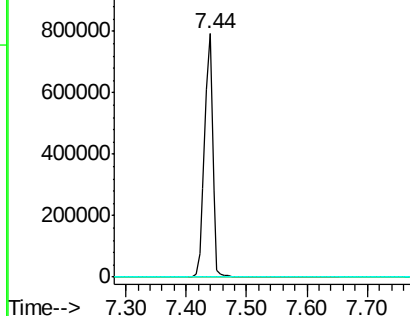


#25
Isophorone
Concen: 34.551 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.26 min
Lab File: BF102991.D
Acq: 14 Feb 2018 16:03

Tgt Ion	82	Resp	753225
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

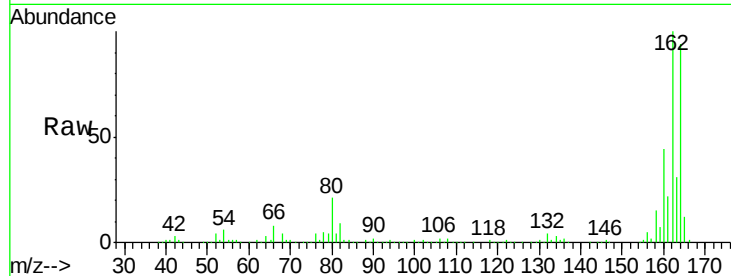




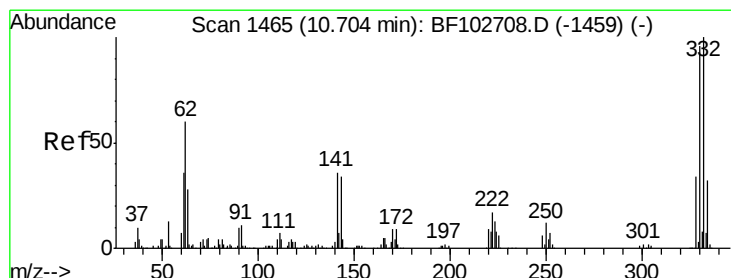
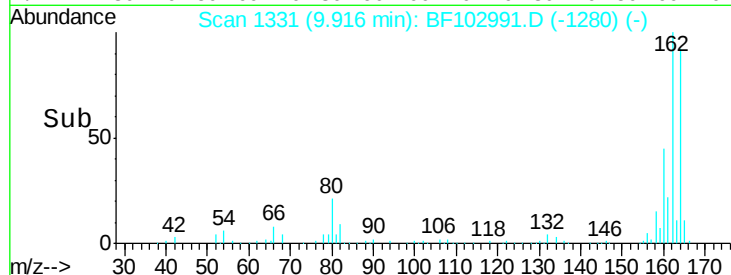
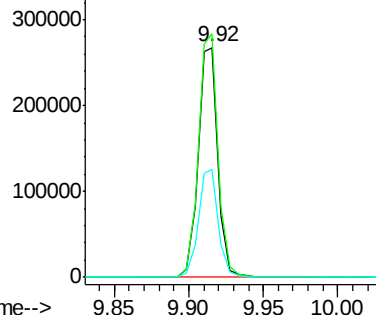
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.00 min
 Lab File: BF102991.D
 Acq: 14 Feb 2018 16:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 250328
 Ion Ratio Lower Upper
 164 100
 162 106.1 86.1 129.1
 160 47.1 38.3 57.5

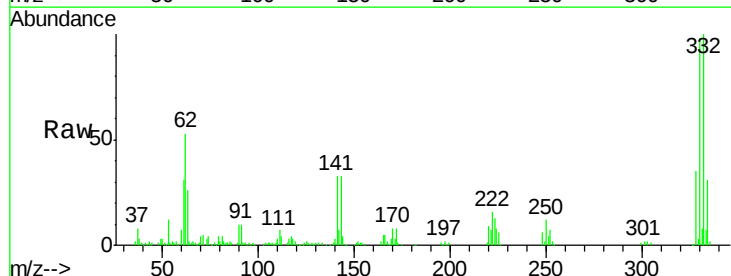


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

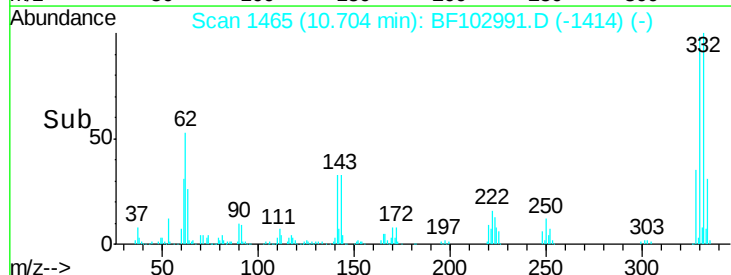
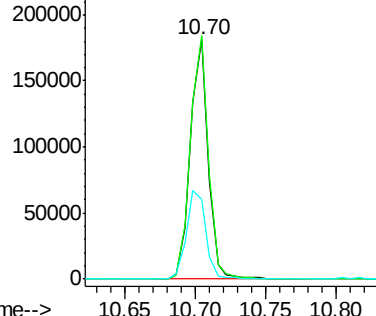


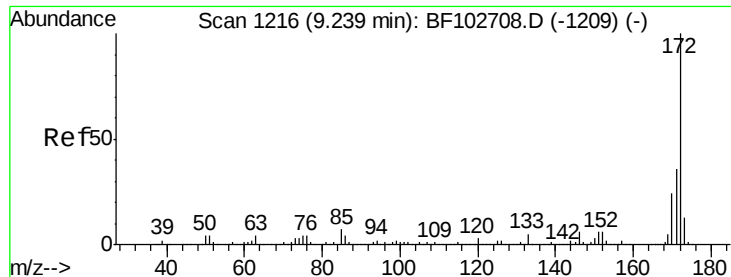
#41
 2,4,6-Tribromophenol
 Concen: 79.760 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: BF102991.D
 Acq: 14 Feb 2018 16:03

Tgt Ion:330 Resp: 160705
 Ion Ratio Lower Upper
 330 100
 332 102.1 77.0 115.6
 141 40.2 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: 70.165 ng

RT: 9.23 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF102991.D

Acq: 14 Feb 2018 16:03

Instrument :

BNA_F

ClientSampleId :

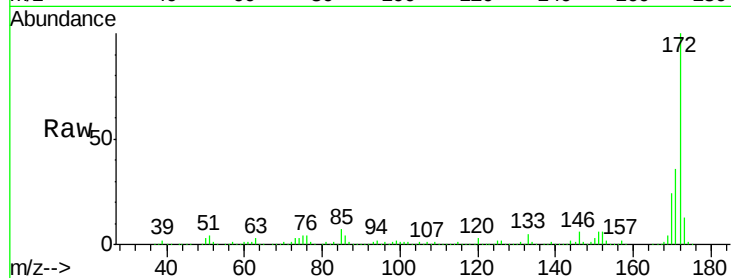
Tot Ion:172 Resp: 1058502

Ion Ratio Lower Upper

172 100

171 36.2 29.7 44.5

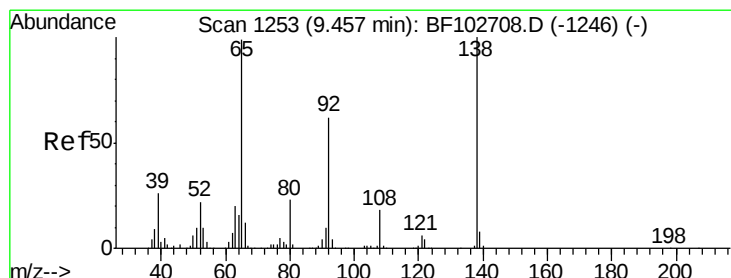
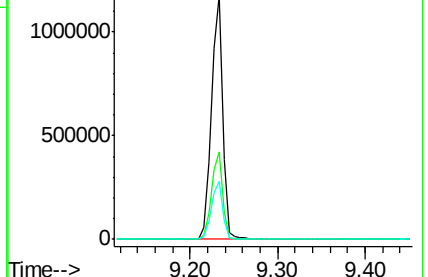
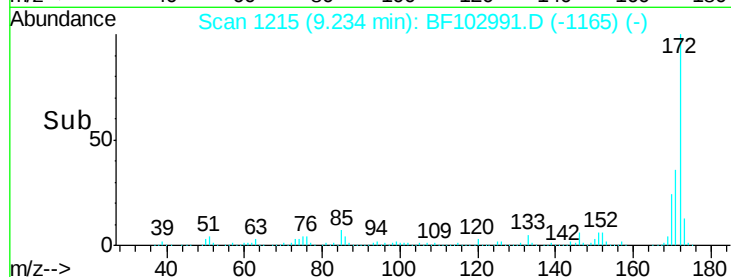
170 23.7 19.6 29.4



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: 3.492 ng

RT: 9.57 min Scan# 1273

Delta R.T. 0.12 min

Lab File: BF102991.D

Acq: 14 Feb 2018 16:03

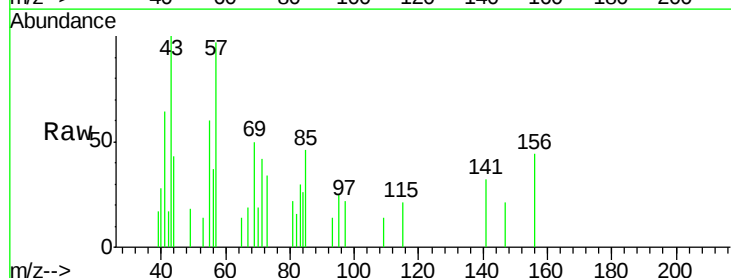
Tgt Ion: 65 Resp: 111

Ion Ratio Lower Upper

65 100

92 0.0 55.8 83.6#

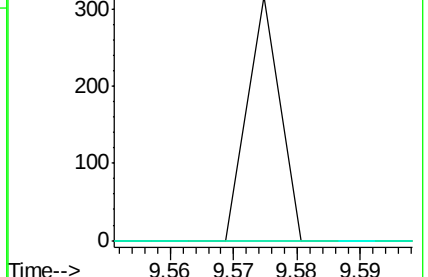
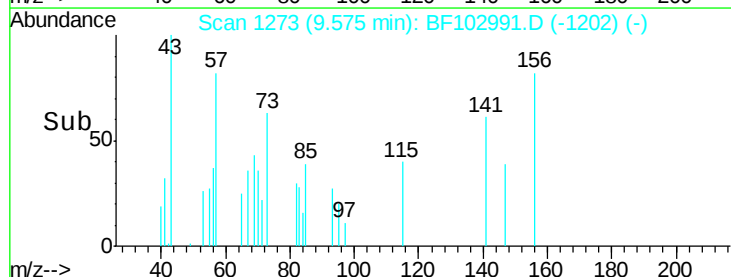
138 0.0 91.2 136.8#

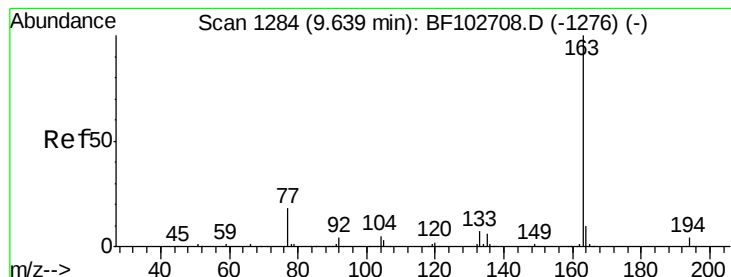


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Dimethylphthalate

Concen: 5.552 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF102991.D

Acq: 14 Feb 2018 16:03

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ClientSampleId :

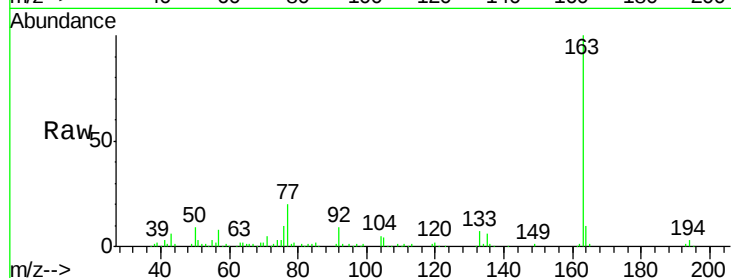
Tot Ion:163 Resp: 108368

Ion Ratio Lower Upper

163 100

194 3.1 2.7 4.1

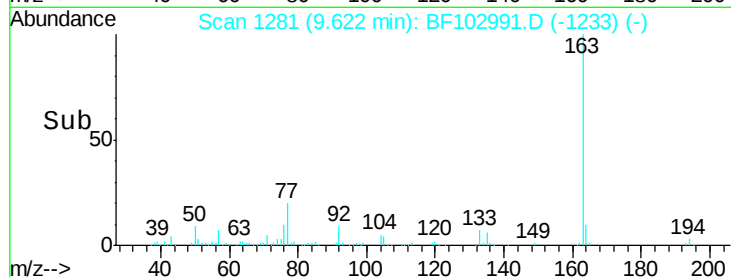
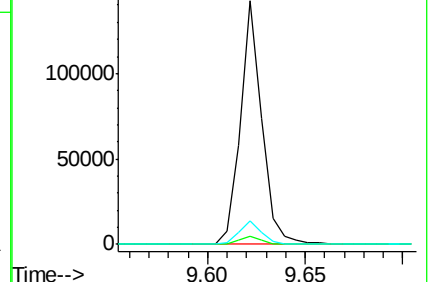
164 9.8 8.2 12.2



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: 4.054 ng

RT: 10.06 min Scan# 1355

Delta R.T. 0.05 min

Lab File: BF102991.D

Acq: 14 Feb 2018 16:03

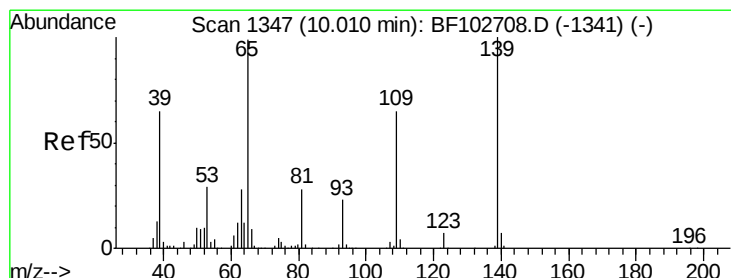
Tgt Ion:139 Resp: 118

Ion Ratio Lower Upper

139 100

109 121.9 48.4 88.4#

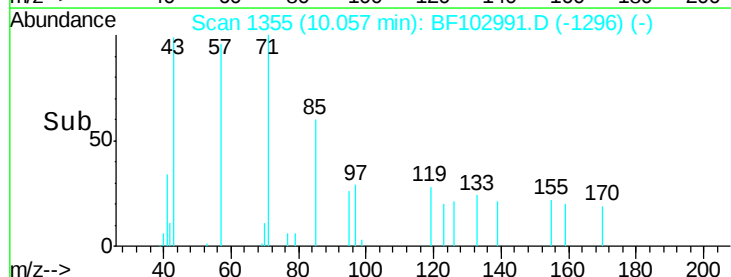
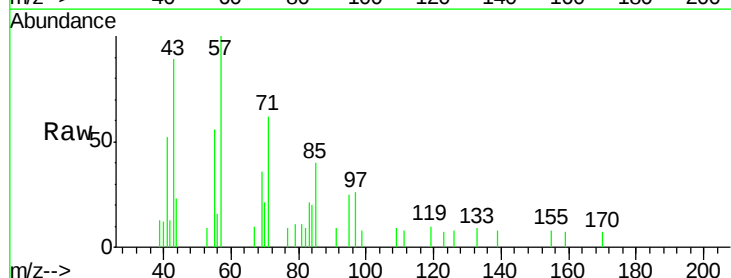
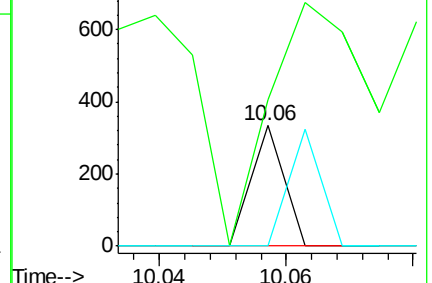
65 0.0 72.6 112.6#



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

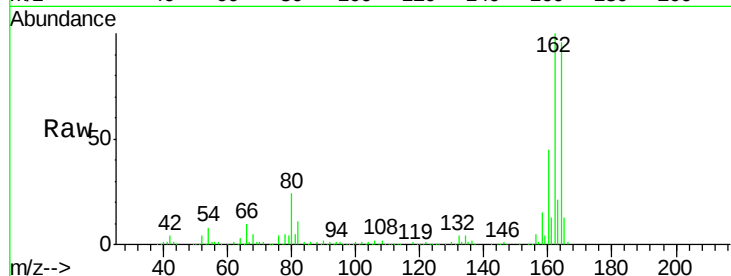




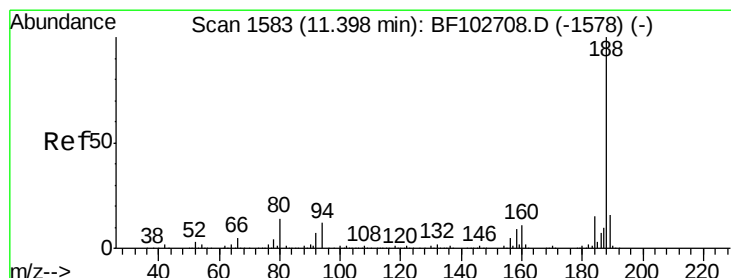
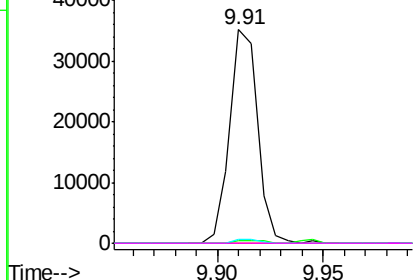
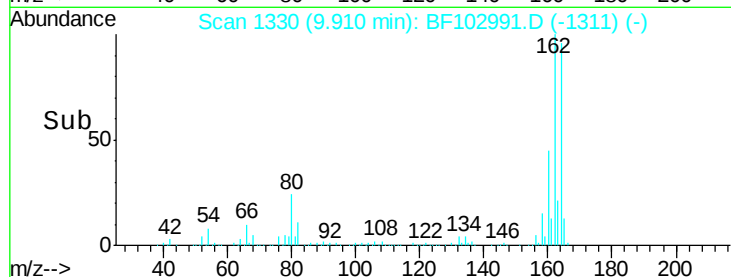
#56
 2,4-Dinitrotoluene
 Concen: 9.132 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.19 min
 Lab File: BF102991.D
 Acq: 14 Feb 2018 16:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 32230
 Ion Ratio Lower Upper
 165 100
 63 1.4 36.4 54.6#
 89 1.6 57.8 86.6#
 182 0.0 1.6 2.4#

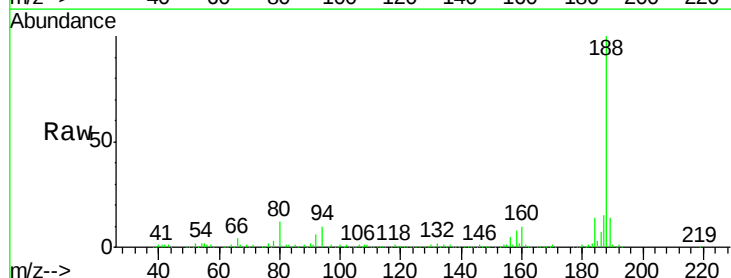


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

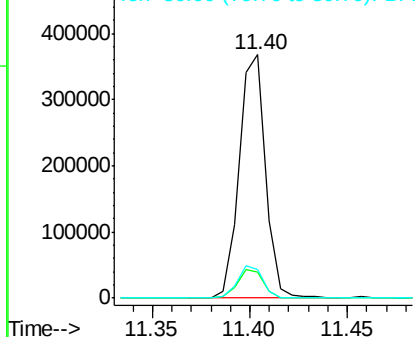
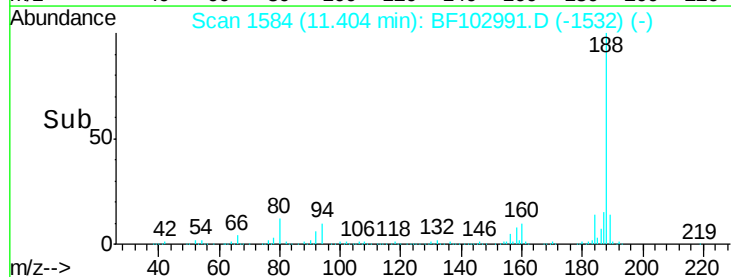


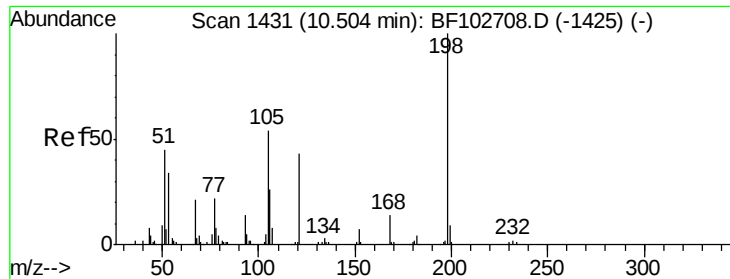
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. 0.01 min
 Lab File: BF102991.D
 Acq: 14 Feb 2018 16:03

Tgt Ion:188 Resp: 343854
 Ion Ratio Lower Upper
 188 100
 94 10.5 8.5 12.7
 80 11.7 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: 9.012 ng

RT: 10.70 min Scan# 1464

Delta R.T. 0.20 min

Lab File: BF102991.D

Acq: 14 Feb 2018 16:03

Instrument :

BNA_F

ClientSampleId :

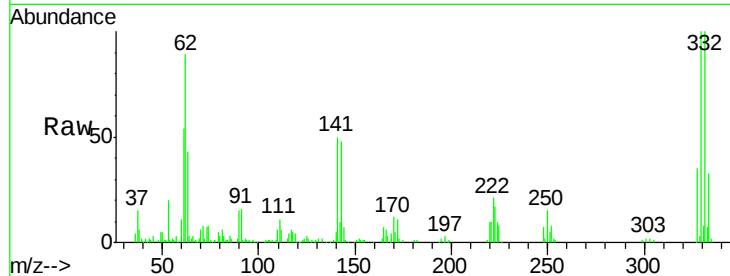
Tot Ion:198 Resp: 340

Ion Ratio Lower Upper

198 100

51 268.3 37.7 77.7#

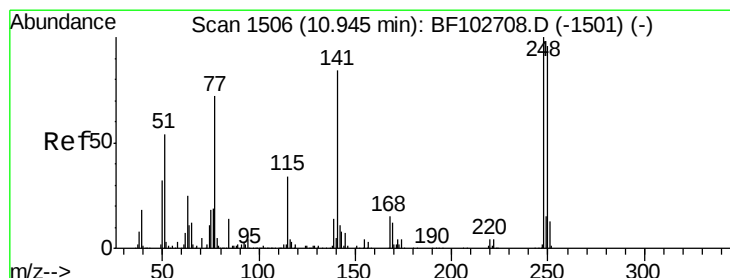
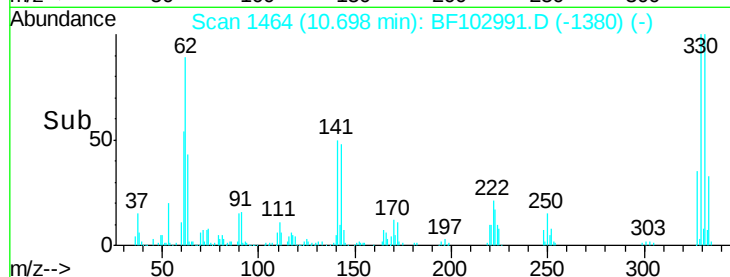
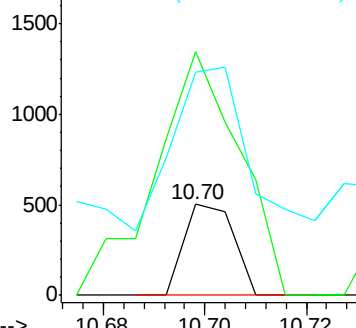
105 246.3 36.3 76.3#



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: 2.878 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.24 min

Lab File: BF102991.D

Acq: 14 Feb 2018 16:03

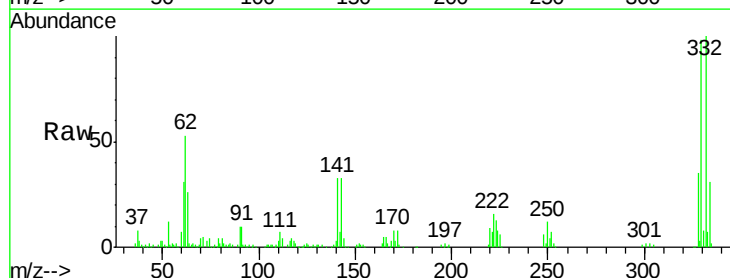
Tgt Ion:248 Resp: 10468

Ion Ratio Lower Upper

248 100

250 192.8 76.9 115.3#

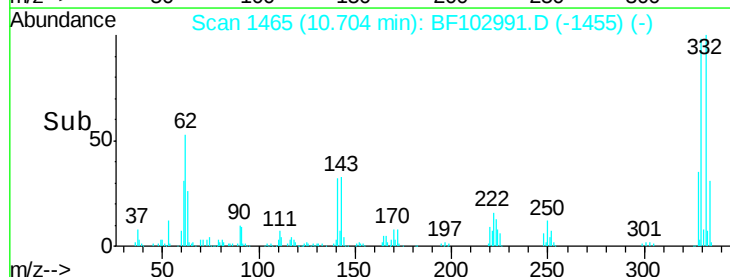
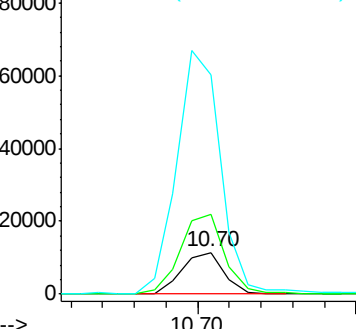
141 528.4 74.4 111.6#

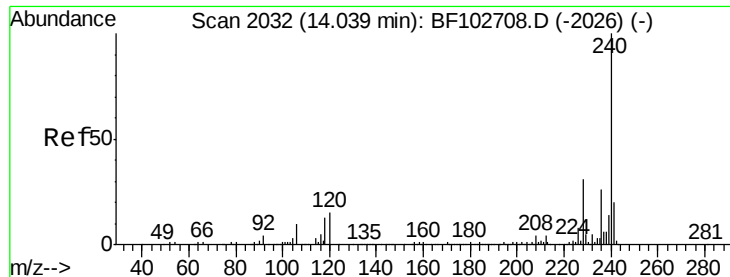


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.04 min Scan# 2032

Delta R.T. 0.00 min

Lab File: BF102991.D

Acq: 14 Feb 2018 16:03

Instrument :

BNA_F

ClientSampleId :

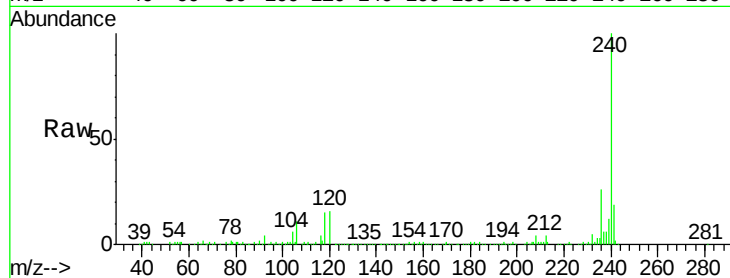
Tot Ion:240 Resp: 290327

Ion Ratio Lower Upper

240 100

120 16.0 9.5 14.3#

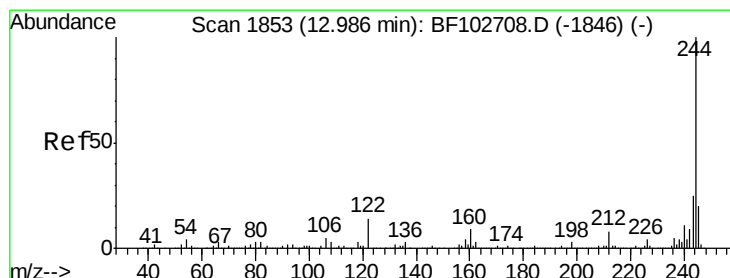
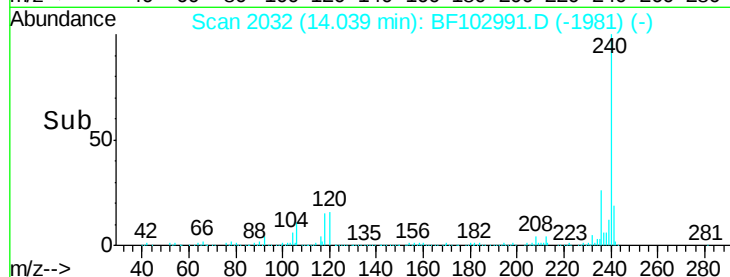
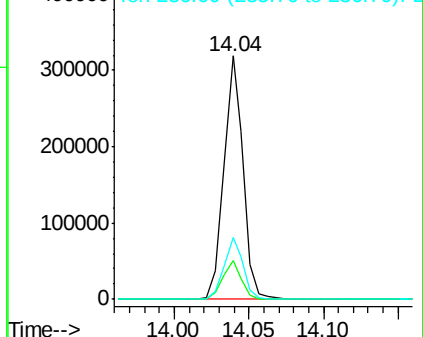
236 25.6 20.7 31.1



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: 52.558 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF102991.D

Acq: 14 Feb 2018 16:03

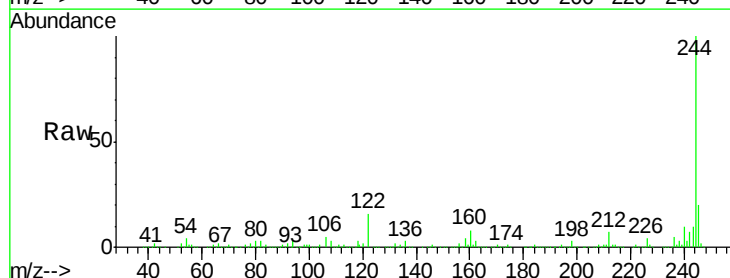
Tgt Ion:244 Resp: 644445

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

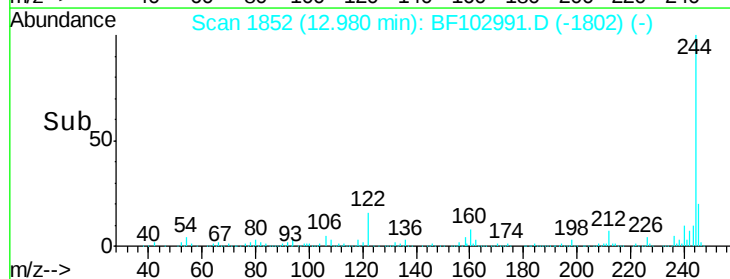
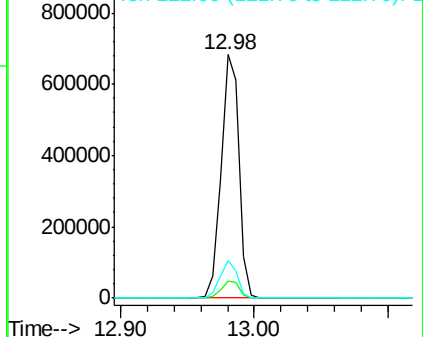
122 15.5 11.0 16.4

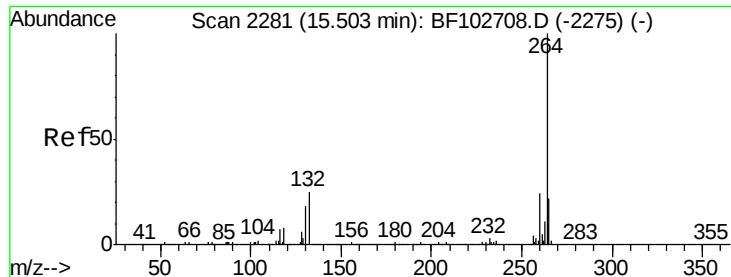


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.52 min Scan# 2284
Delta R.T. 0.02 min
Lab File: BF102991.D
Acq: 14 Feb 2018 16:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.5	17.5	26.3

