

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031418\
 Data File : BF103657.D
 Acq On : 14 Mar 2018 22:39
 Operator : SJ/JU
 Sample : J1911-11
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 15 01:02:26 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 18:08:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	136123	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	594225	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	254534	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	414269	20.00	ng	0.00
75) Chrysene-d12	14.06	240	246969	20.00	ng	0.00
86) Perylene-d12	15.57	264	214362	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	581432	64.60	ng	0.00
7) Phenol-d6	6.51	99	447907	40.67	ng	0.00
23) Nitrobenzene-d5	7.43	82	1098568	105.58	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	257168	119.36	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1492768	107.55	ng	0.00
78) Terphenyl-d14	12.98	244	1061418	103.31	ng	0.00

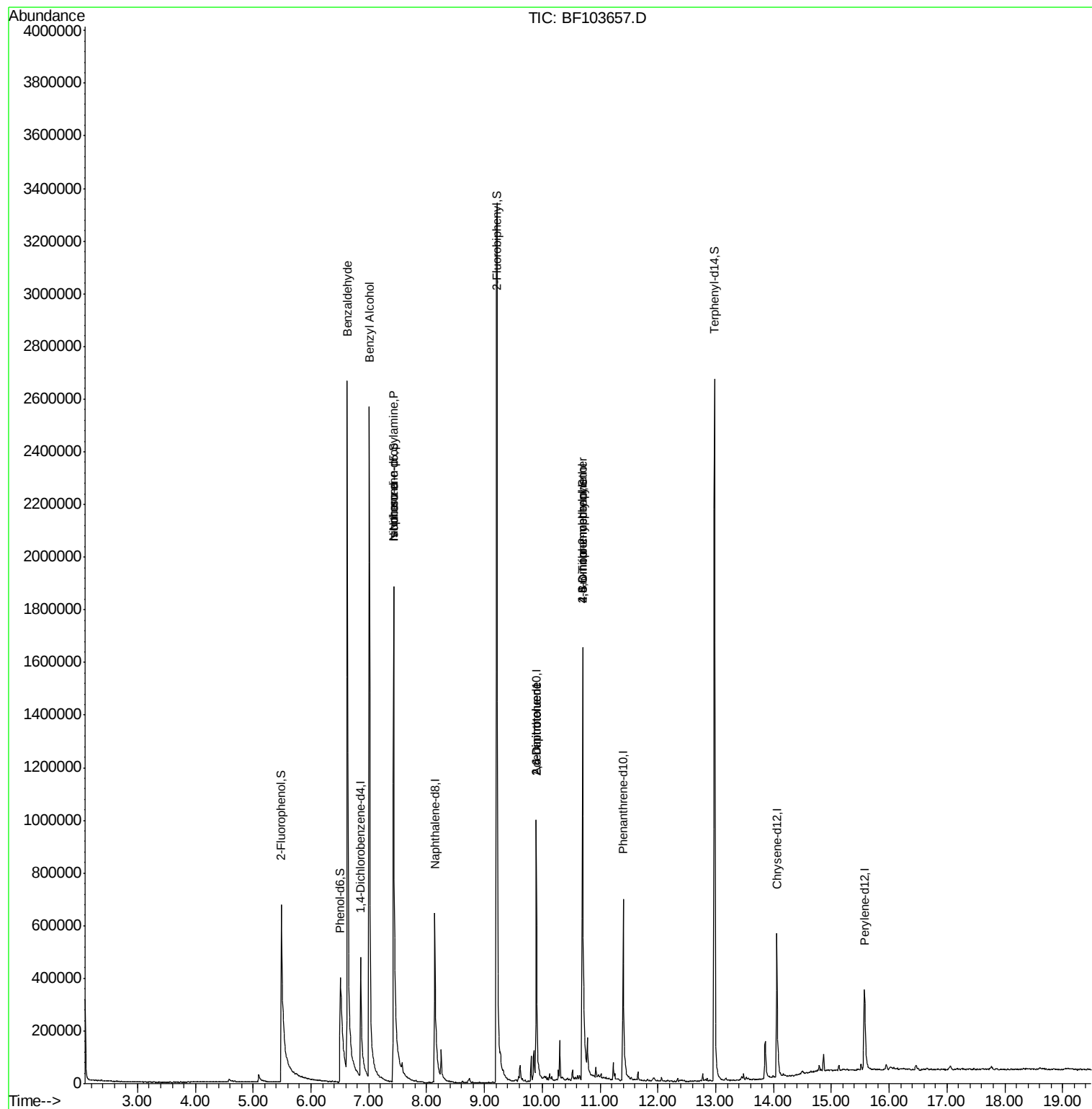
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.63	77	24349	2.392	ng	# 75
15) Benzyl Alcohol	7.01	79	16729	2.016	ng	# 35
19) n-Nitroso-di-n-propylamine	7.43	70	136127	19.860	ng	# 83
25) Isophorone	7.43	82	1106894	54.013	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	32414	7.564	ng	# 26
56) 2,4-Dinitrotoluene	9.90	165	33093	6.106	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.70	198	421	5.095	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	17760	4.115	ng	# 1

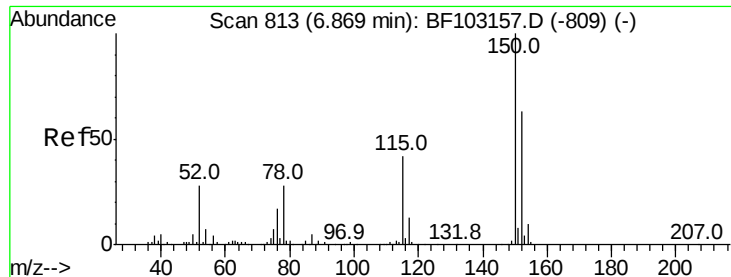
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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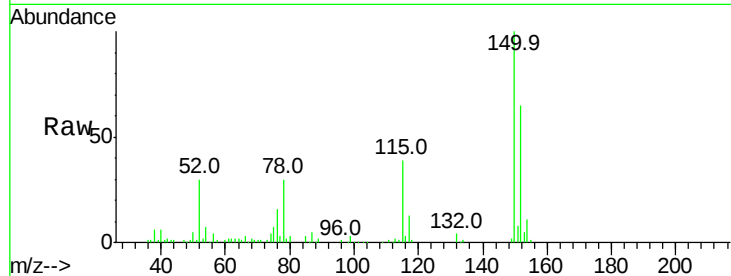


#1

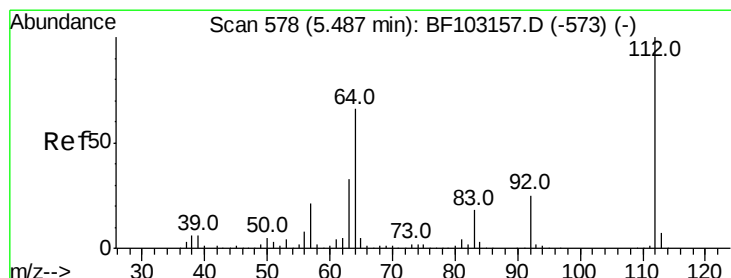
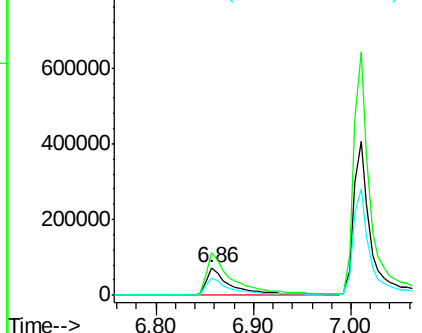
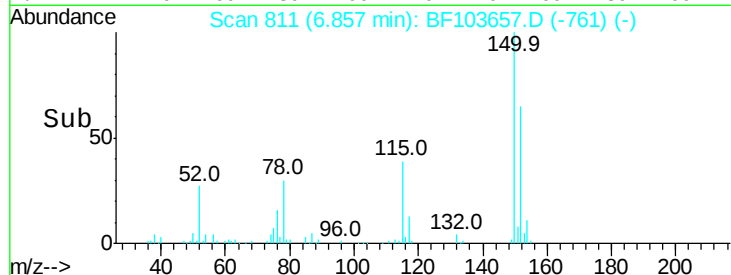
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF103657.D
Acq: 14 Mar 2018 22:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 136123
Ion Ratio Lower Upper
152 100
150 154.8 124.6 186.8
115 60.2 50.1 75.1



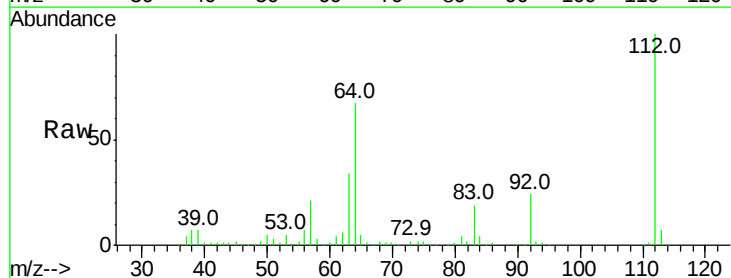
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



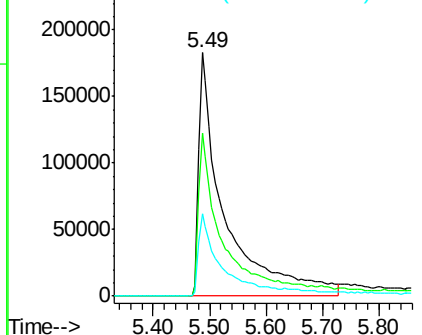
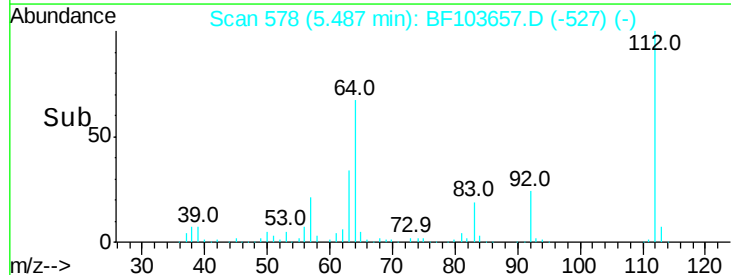
#5

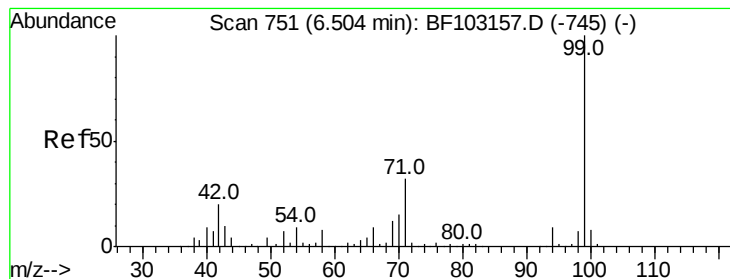
2-Fluorophenol
Concen: 64.601 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.00 min
Lab File: BF103657.D
Acq: 14 Mar 2018 22:39

Tgt Ion:112 Resp: 581432
Ion Ratio Lower Upper
112 100
64 66.7 47.9 71.9
63 33.7 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: 40.670 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF103657.D

Acq: 14 Mar 2018 22:39

Instrument :

BNA_F

ClientSampled :

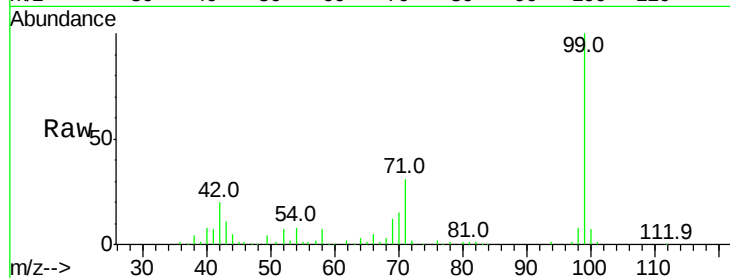
Tot Ion: 99 Resp: 447907

Ion Ratio Lower Upper

99 100

42 20.2 14.5 21.7

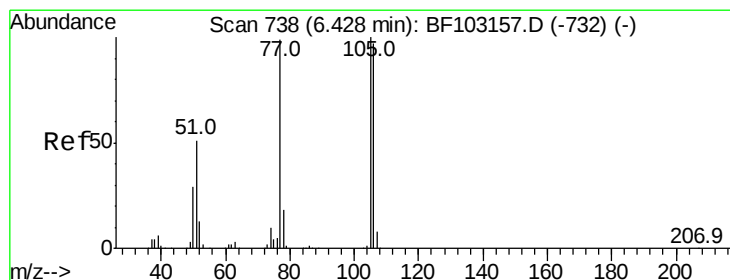
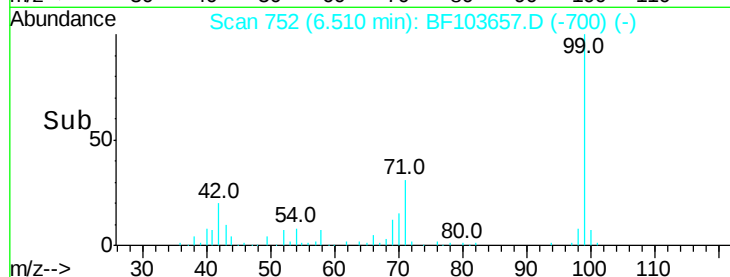
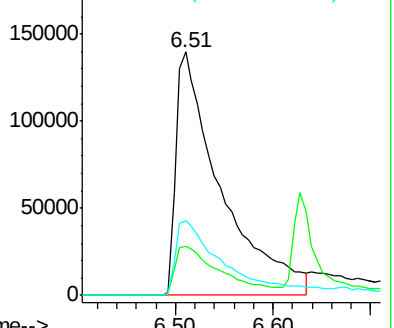
71 30.8 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.392 ng

RT: 6.63 min Scan# 772

Delta R.T. 0.19 min

Lab File: BF103657.D

Acq: 14 Mar 2018 22:39

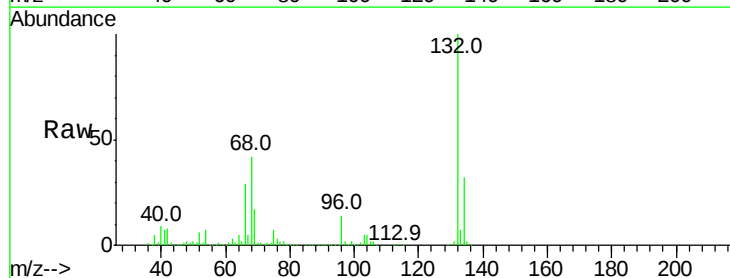
Tgt Ion: 77 Resp: 24349

Ion Ratio Lower Upper

77 100

105 79.8 81.1 121.1#

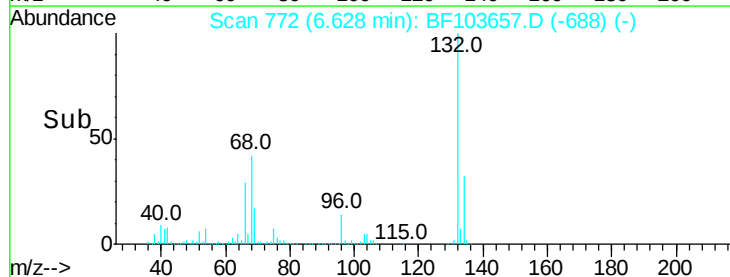
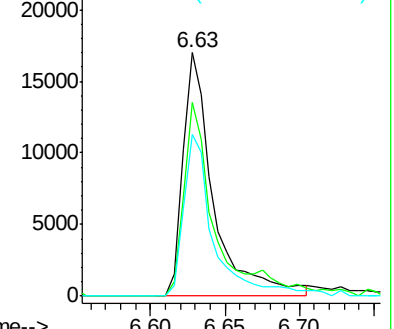
106 66.7 74.5 114.5#

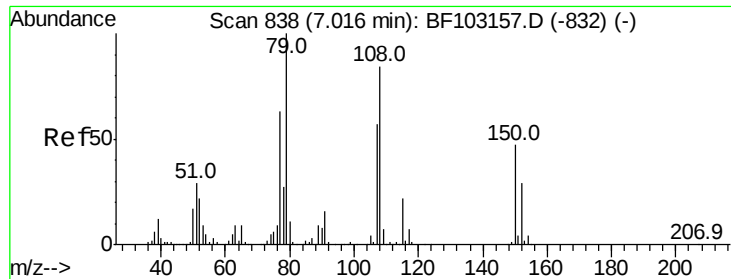


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#15

Benzyl Alcohol

Concen: 2.016 ng

RT: 7.01 min Scan# 837

Delta R.T. -0.01 min

Lab File: BF103657.D

Acq: 14 Mar 2018 22:39

Instrument :

BNA_F

ClientSampled :

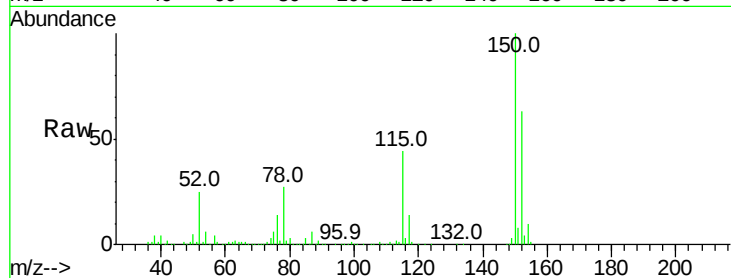
Tot Ion: 79 Resp: 16729

Ion Ratio Lower Upper

79 100

108 33.0 65.1 97.7#

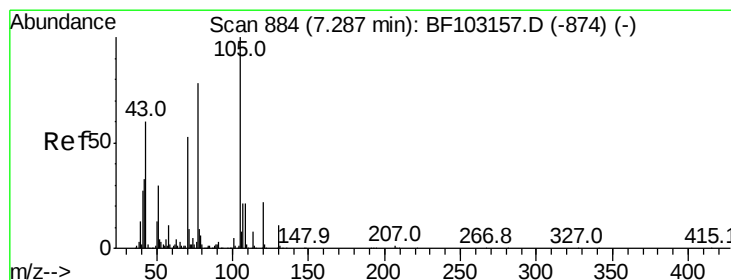
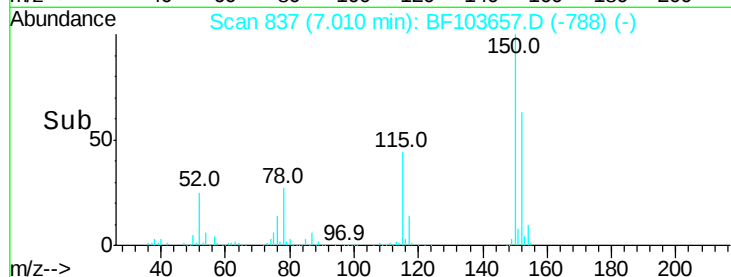
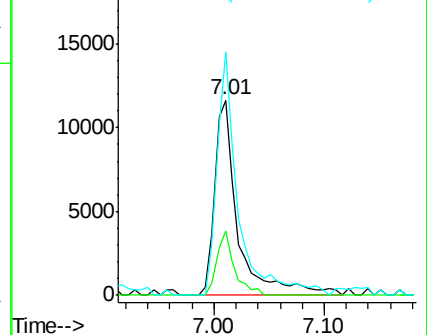
77 124.7 50.6 75.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 19.860 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.16 min

Lab File: BF103657.D

Acq: 14 Mar 2018 22:39

Tgt Ion: 70 Resp: 136127

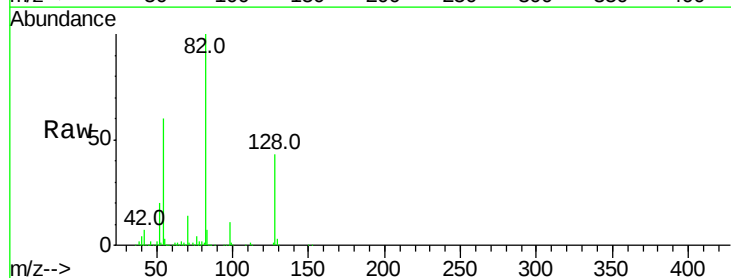
Ion Ratio Lower Upper

70 100

42 53.0 47.5 71.3

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

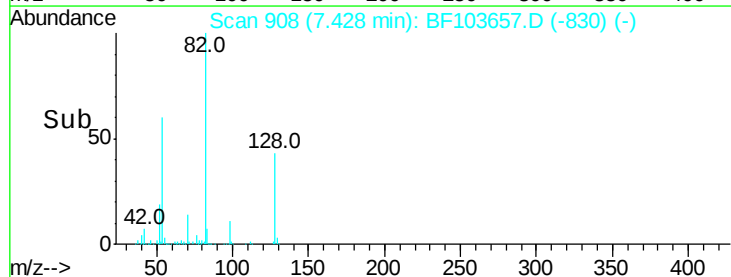
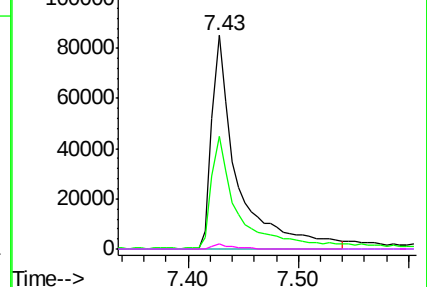


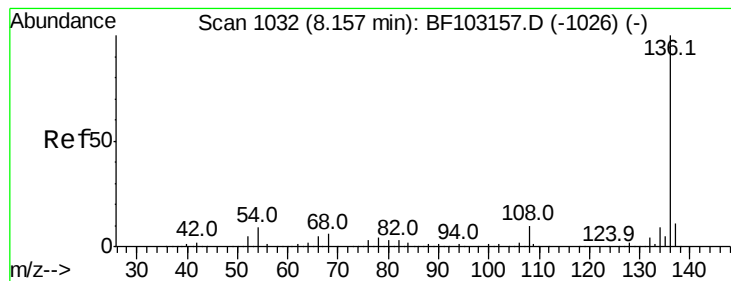
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BF103657.D

Acq: 14 Mar 2018 22:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 594225

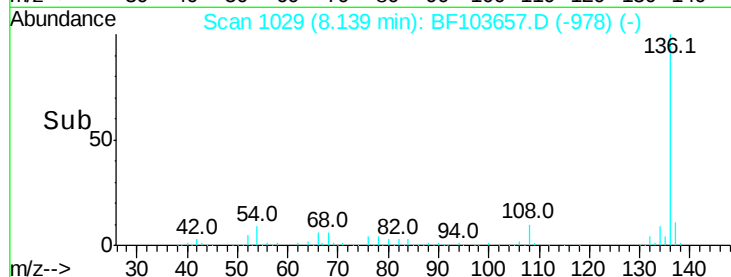
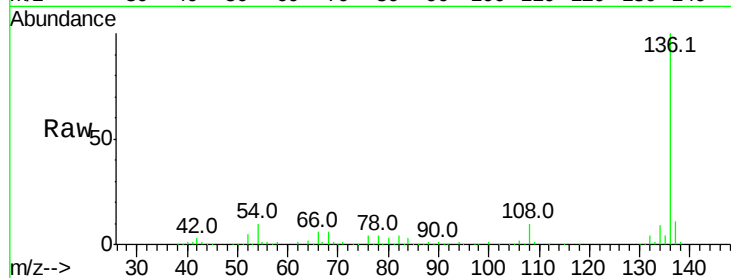
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.8 6.6 9.8

68 6.5 5.0 7.4

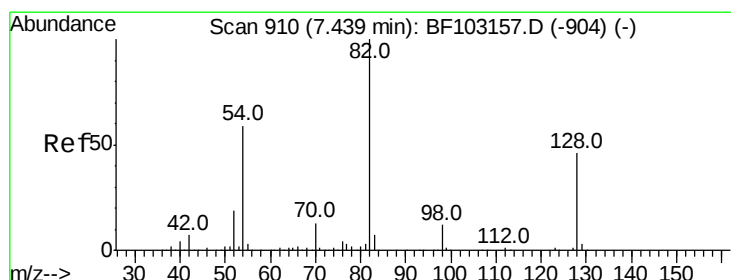
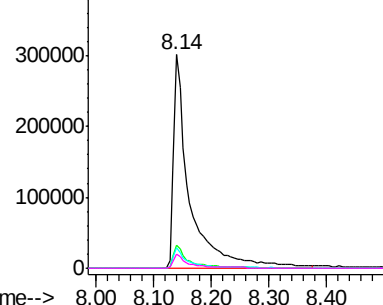


Abundance Ion 136.00 (135.70 to 136.70): E

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: 105.579 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF103657.D

Acq: 14 Mar 2018 22:39

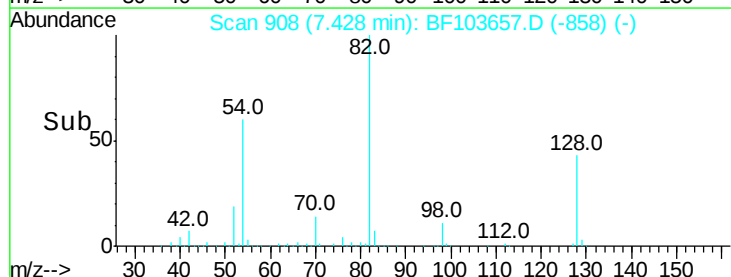
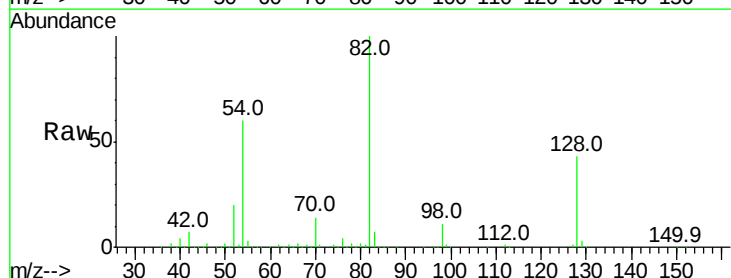
Tgt Ion: 82 Resp: 1098568

Ion Ratio Lower Upper

82 100

128 43.0 36.1 54.1

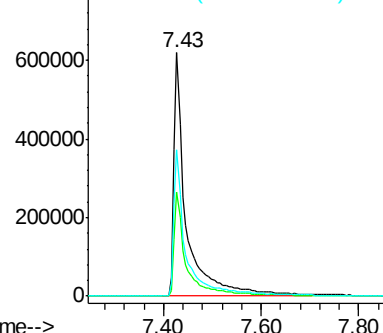
54 60.3 41.4 62.2

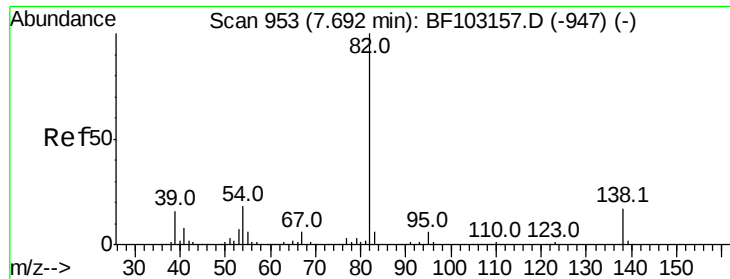


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 54.013 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.25 min

Lab File: BF103657.D

Acq: 14 Mar 2018 22:39

Instrument :

BNA_F

ClientSampleId :

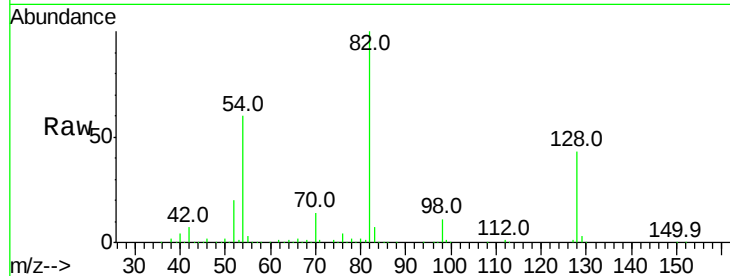
Tot Ion: 82 Resp: 1106894

Ion Ratio Lower Upper

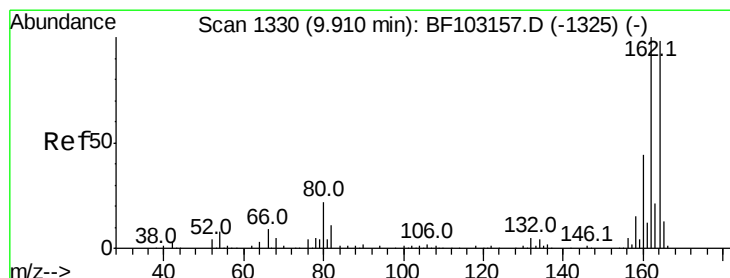
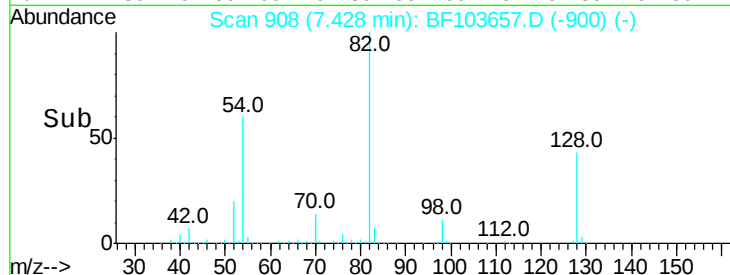
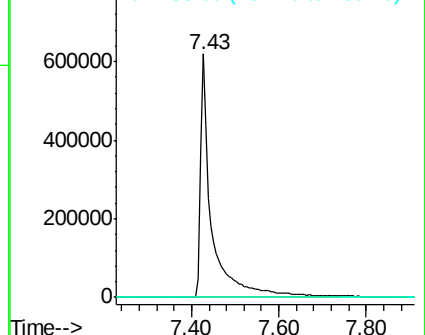
82 100

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: 9.90 min Scan# 1328

Delta R.T. 0.00 min

Lab File: BF103657.D

Acq: 14 Mar 2018 22:39

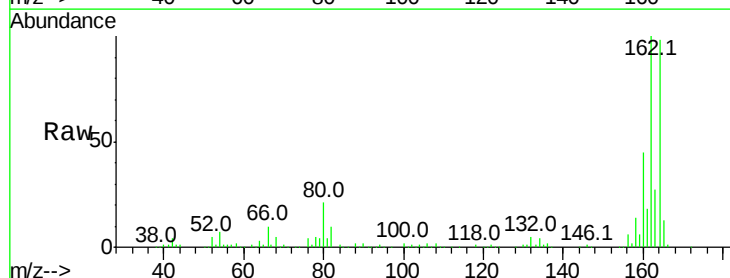
Tgt Ion:164 Resp: 254534

Ion Ratio Lower Upper

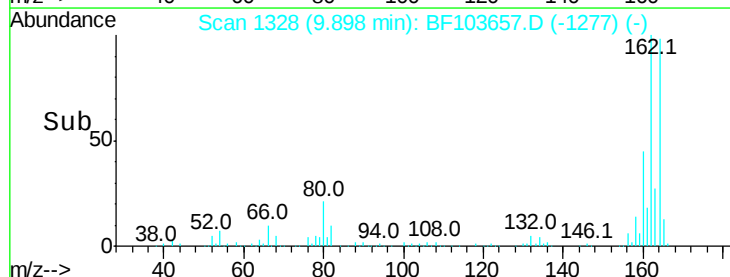
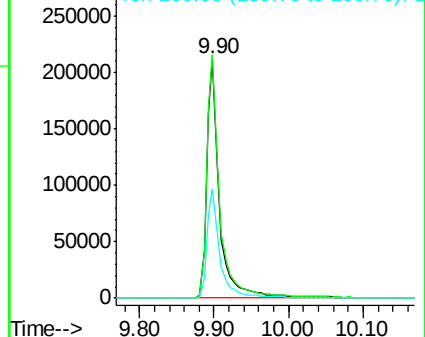
164 100

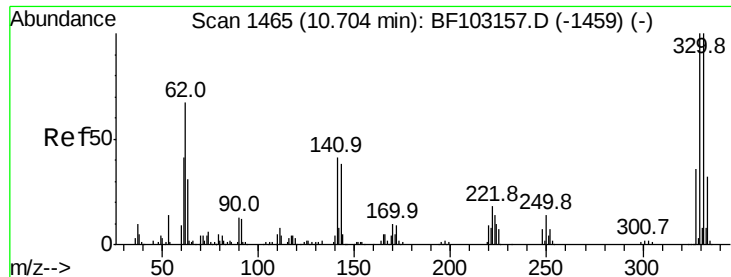
162 102.1 86.1 129.1

160 45.8 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: 119.364 ng

RT: 10.70 min Scan# 1464

Delta R.T. 0.00 min

Lab File: BF103657.D

Acq: 14 Mar 2018 22:39

Instrument :

BNA_F

ClientSampleId :

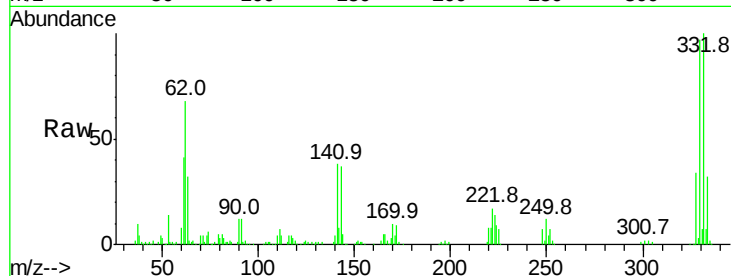
Tot Ion:330 Resp: 257168

Ion Ratio Lower Upper

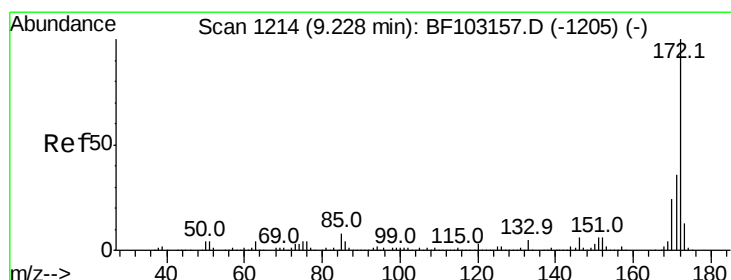
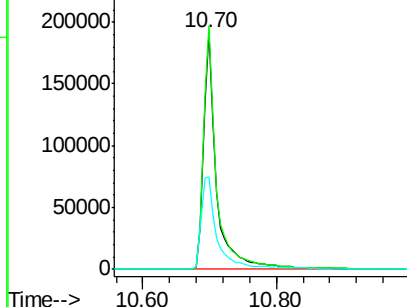
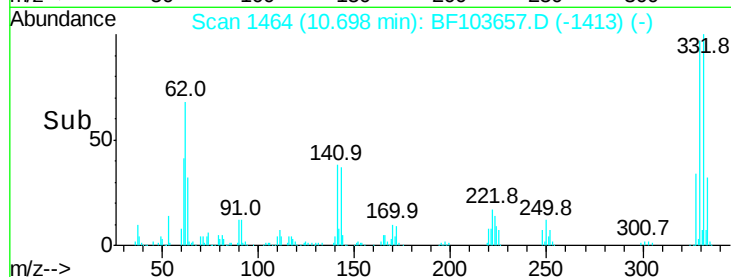
330 100

332 103.7 77.0 115.6

141 46.9 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: 107.552 ng

RT: 9.22 min Scan# 1212

Delta R.T. 0.00 min

Lab File: BF103657.D

Acq: 14 Mar 2018 22:39

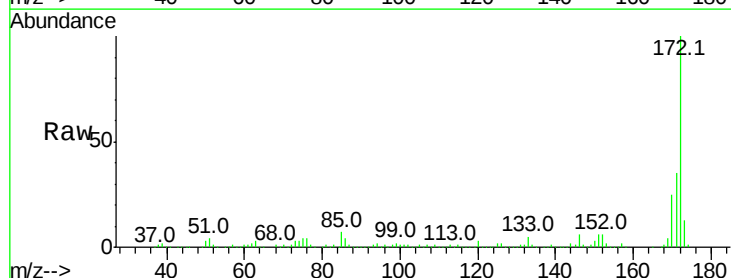
Tgt Ion:172 Resp: 1492768

Ion Ratio Lower Upper

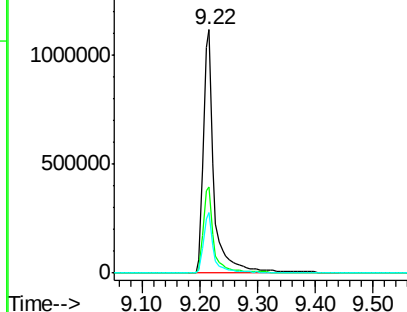
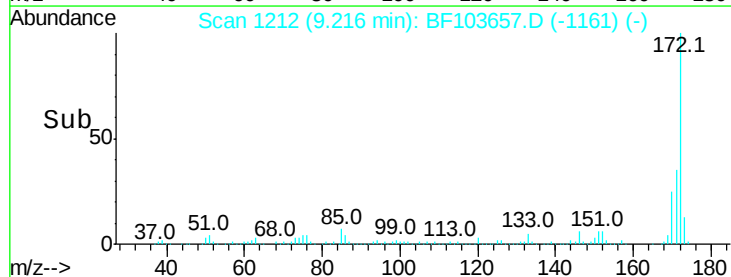
172 100

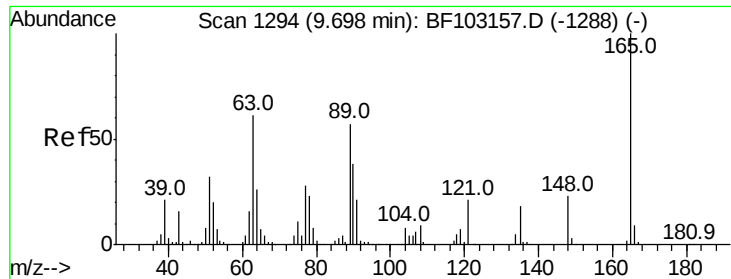
171 35.5 29.7 44.5

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

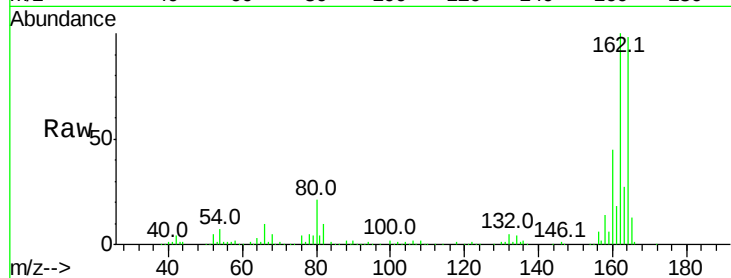




#50
 2,6-Dinitrotoluene
 Concen: 7.564 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.21 min
 Lab File: BF103657.D
 Acq: 14 Mar 2018 22:39

Instrument :
 BNA_F
 ClientSampleId :

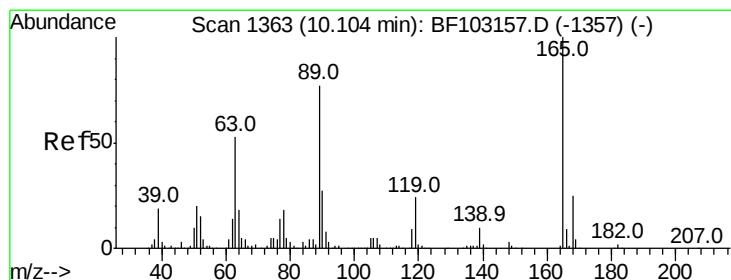
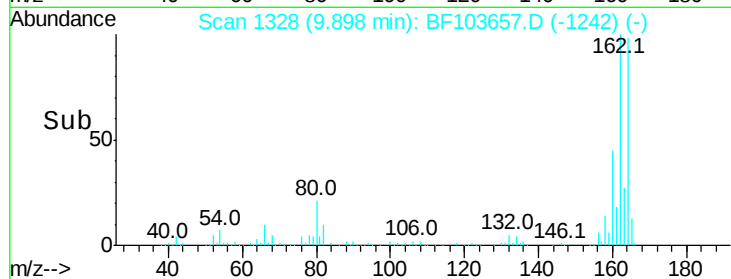
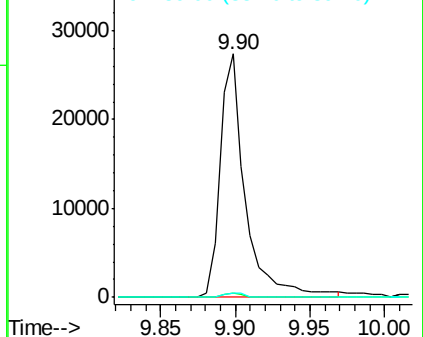
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	44.7	67.1#
89	1.7	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

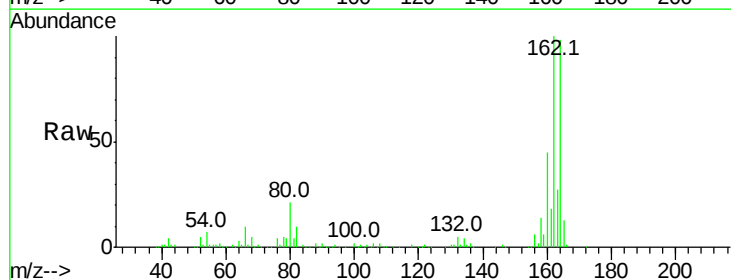
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56
 2,4-Dinitrotoluene
 Concen: 6.106 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.22 min
 Lab File: BF103657.D
 Acq: 14 Mar 2018 22:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#

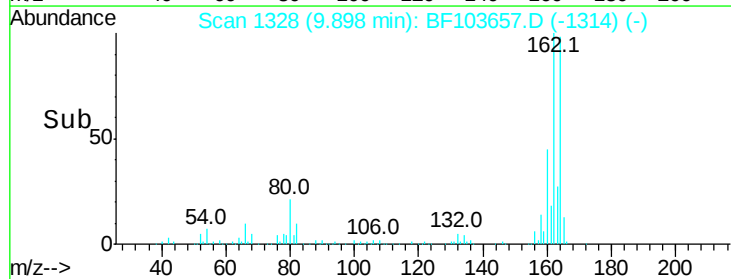
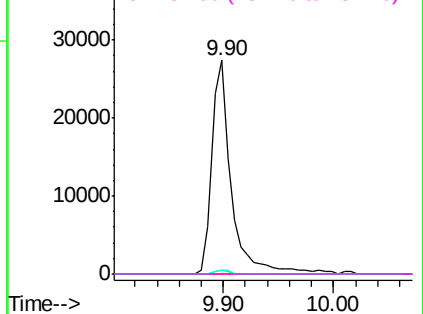


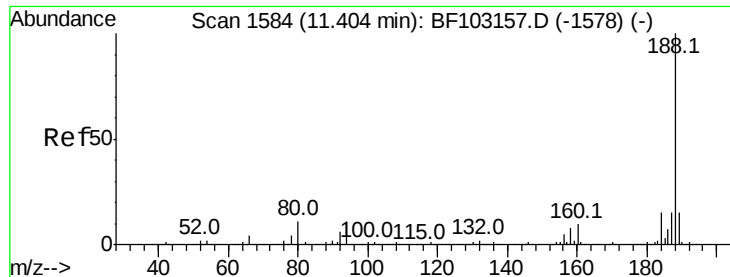
Abundance Ion 165.00 (164.70 to 165.70): E

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# 1583

Delta R.T. 0.00 min

Lab File: BF103657.D

Acq: 14 Mar 2018 22:39

Instrument :

BNA_F

ClientSampleId :

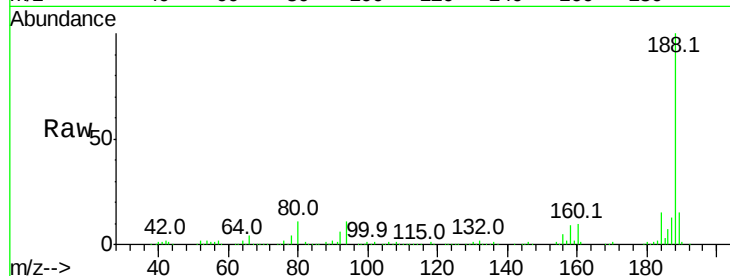
Tot Ion:188 Resp: 414269

Ion Ratio Lower Upper

188 100

94 10.6 8.5 12.7

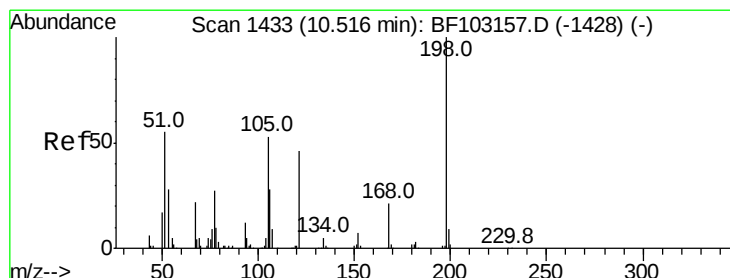
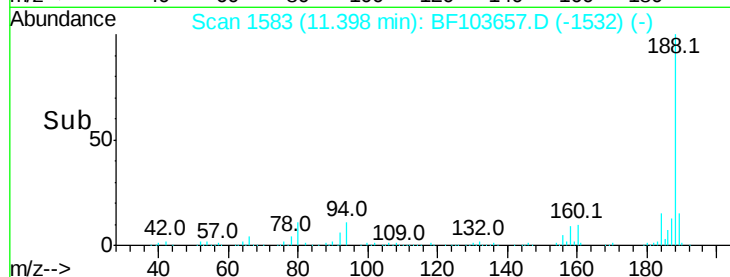
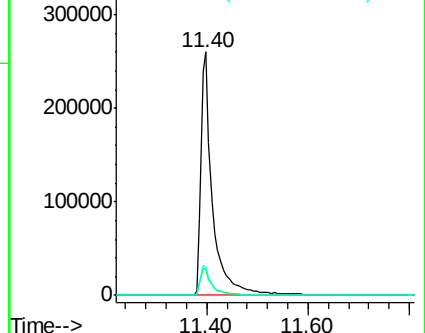
80 11.5 9.2 13.8



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: 5.095 ng

RT: 10.70 min Scan# 1464

Delta R.T. 0.16 min

Lab File: BF103657.D

Acq: 14 Mar 2018 22:39

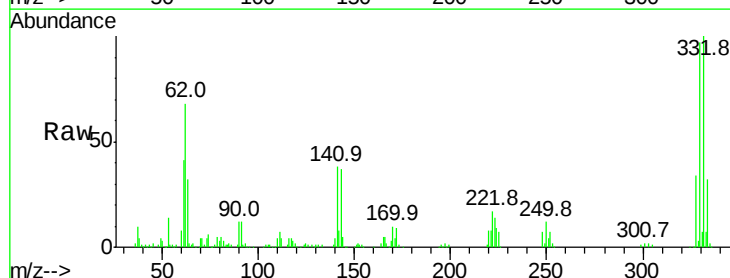
Tgt Ion:198 Resp: 421

Ion Ratio Lower Upper

198 100

51 208.9 37.7 77.7#

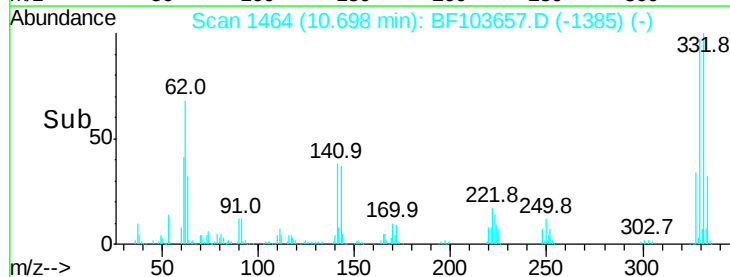
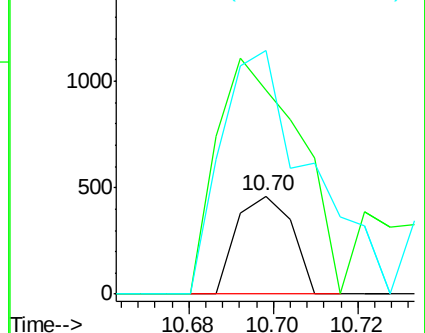
105 248.7 36.3 76.3#

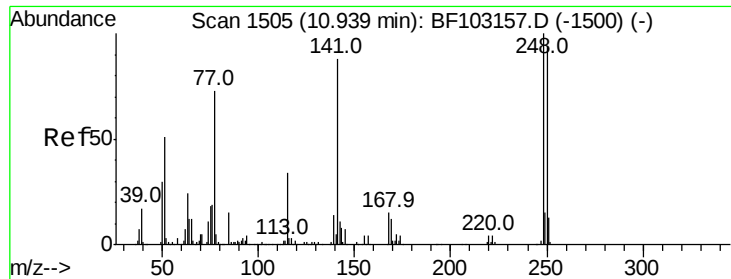


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

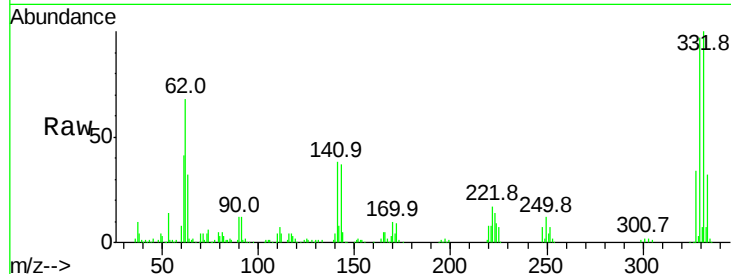




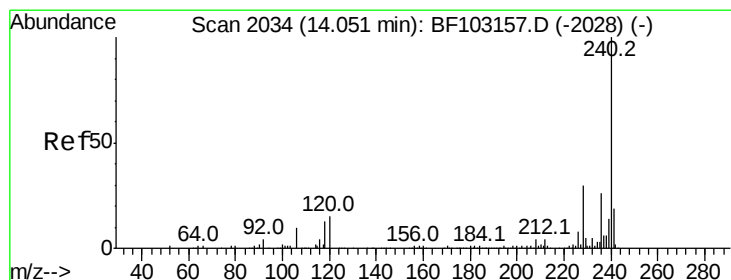
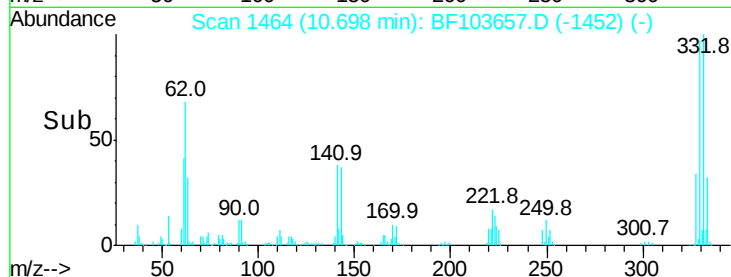
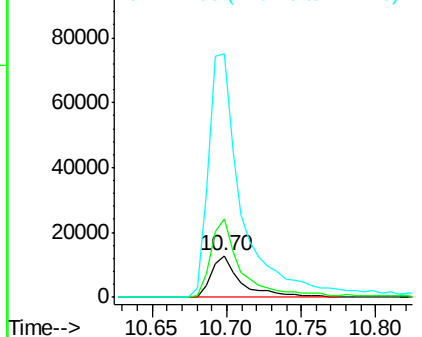
#66
4-Bromophenyl-phenylether
Concen: 4.115 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.23 min
Lab File: BF103657.D
Acq: 14 Mar 2018 22:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 17760
Ion Ratio Lower Upper
248 100
250 189.8 76.9 115.3#
141 585.5 74.4 111.6#

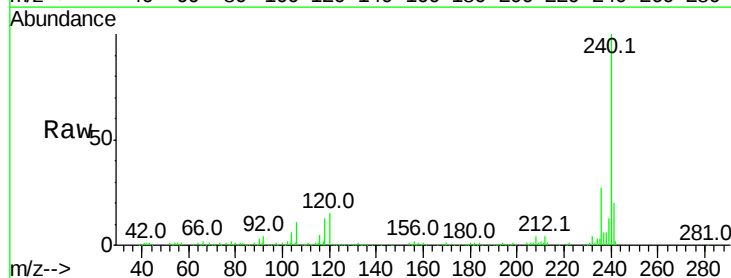


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

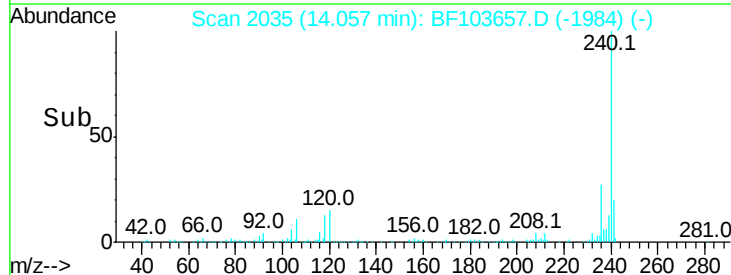
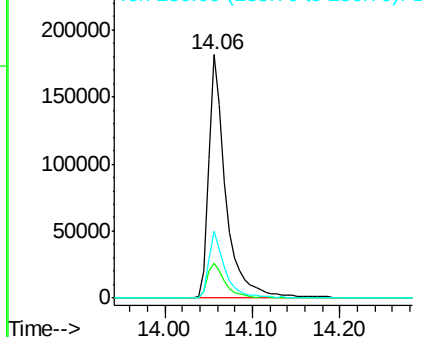


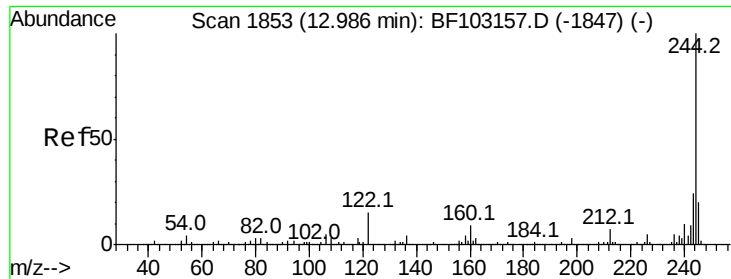
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.00 min
Lab File: BF103657.D
Acq: 14 Mar 2018 22:39

Tgt Ion:240 Resp: 246969
Ion Ratio Lower Upper
240 100
120 14.6 9.5 14.3#
236 27.3 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: 103.313 ng

RT: 12.98 min Scan# 1852

Delta R.T. 0.01 min

Lab File: BF103657.D

Acq: 14 Mar 2018 22:39

Instrument :

BNA_F

ClientSampled :

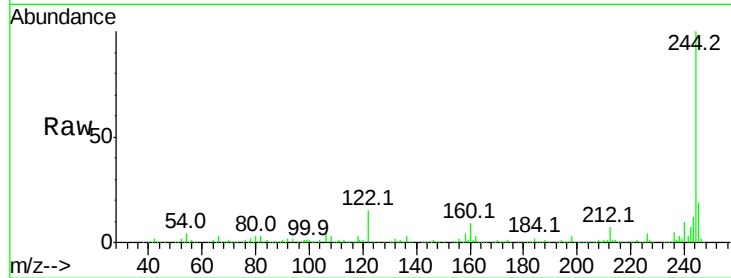
Tot Ion:244 Resp: 1061418

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

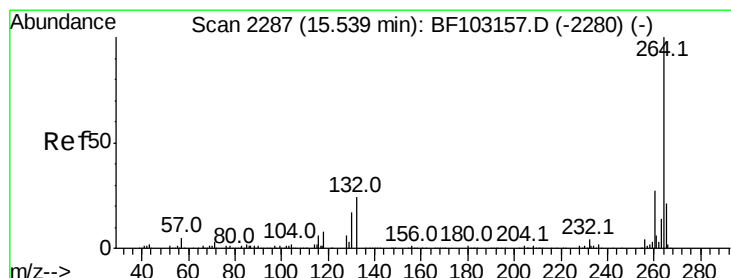
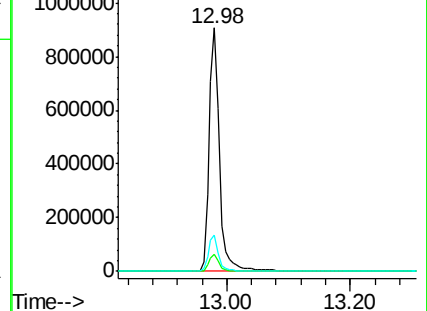
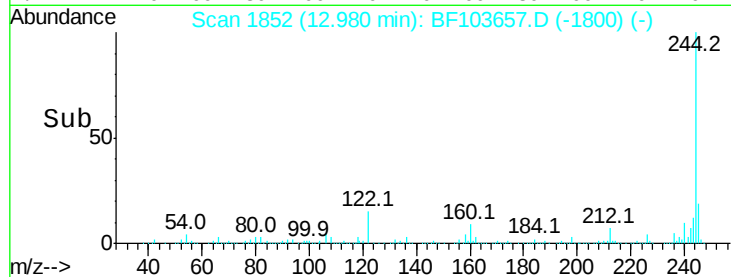
122 14.6 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.57 min Scan# 2293

Delta R.T. 0.01 min

Lab File: BF103657.D

Acq: 14 Mar 2018 22:39

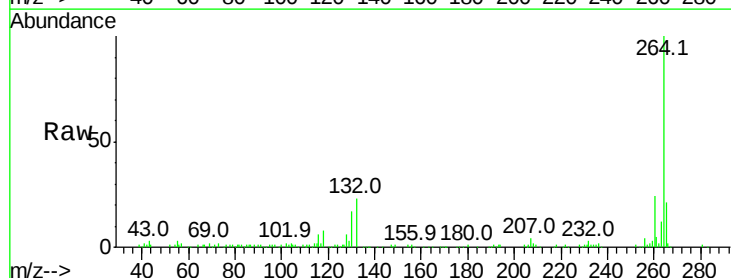
Tgt Ion:264 Resp: 214362

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 20.6 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

