

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022618\
 Data File : BG032842.D
 Acq On : 27 Feb 2018 4:26
 Operator : SJ/JU
 Sample : J1691-32
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 27 05:59:54 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 26 17:50:45 2018
 Response via : Initial Calibration

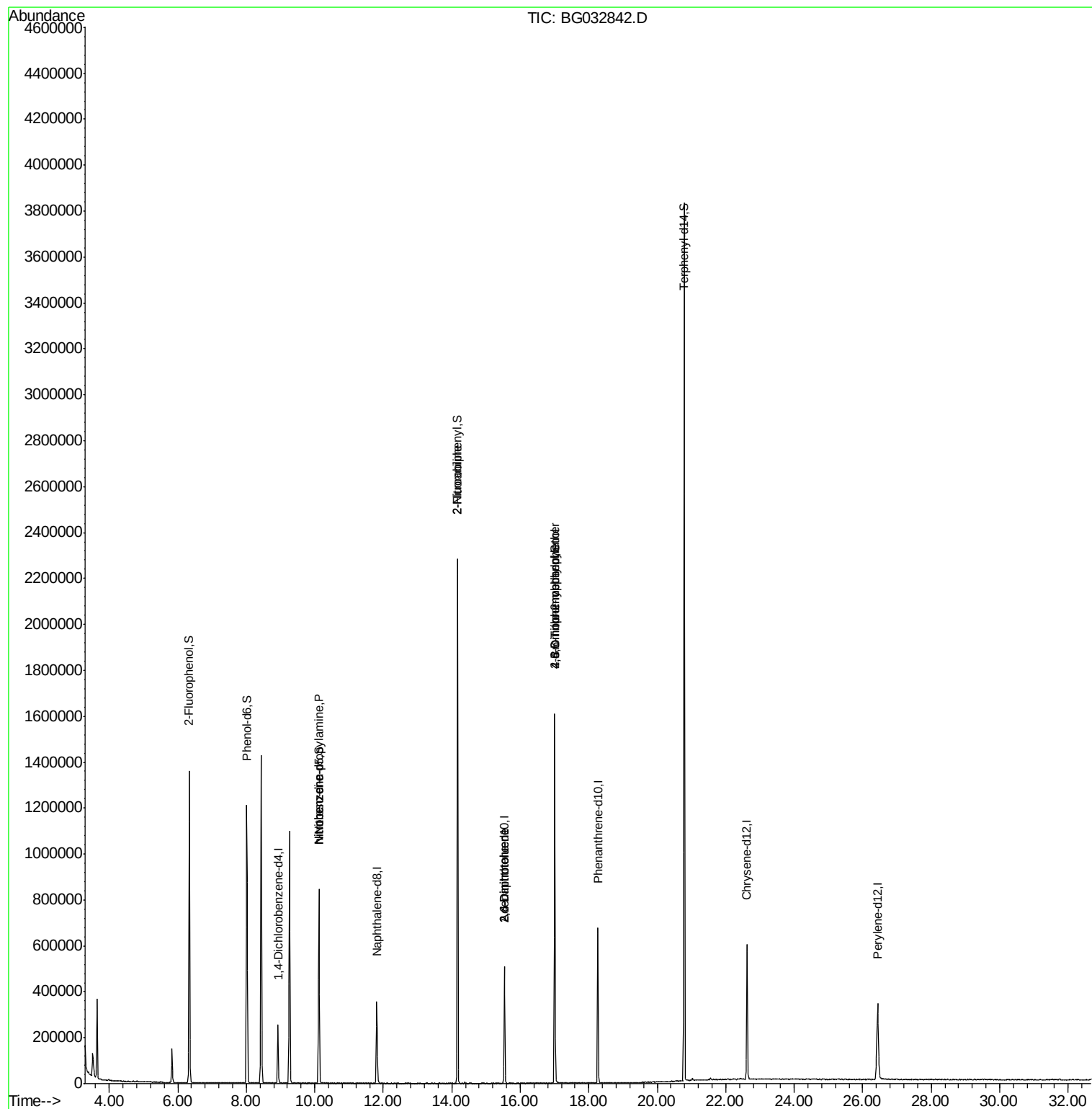
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	76873	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	327556	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	178552	20.00	ng	0.00
63) Phenanthrene-d10	18.27	188	410782	20.00	ng	0.00
75) Chrysene-d12	22.62	240	393238	20.00	ng	-0.01
86) Perylene-d12	26.43	264	404660	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.34	112	654543	136.22	ng	0.00
7) Phenol-d6	8.02	99	788244	117.69	ng	0.00
23) Nitrobenzene-d5	10.12	82	537324	110.47	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	288444	153.64	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1191245	96.22	ng	0.00
78) Terphenyl-d14	20.79	244	1720908	98.32	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.12	70	69333	14.66	ng	# 81
24) Nitrobenzene	10.11	77	1470	6.62	ng	# 44
47) 2-Nitroaniline	14.17	65	2246	10.44	ng	# 7
50) 2,6-Dinitrotoluene	15.54	165	23161	16.42	ng	# 20
56) 2,4-Dinitrotoluene	15.54	165	23161	14.62	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.00	198	933	5.91	ng	# 1
66) 4-Bromophenyl-phenylether	17.01	248	20202	4.65	ng	# 1

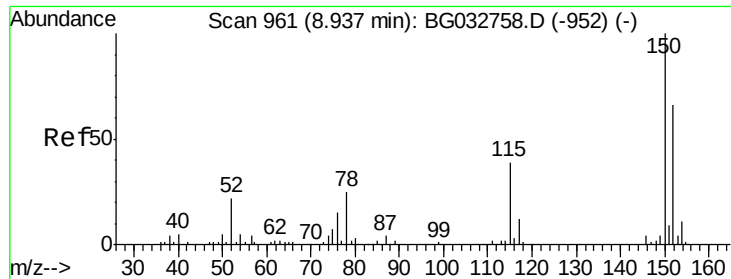
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 27 05:59:54 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 26 17:50:45 2018
Response via : Initial Calibration



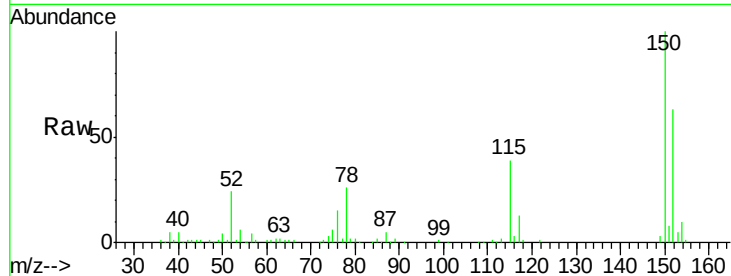


#1

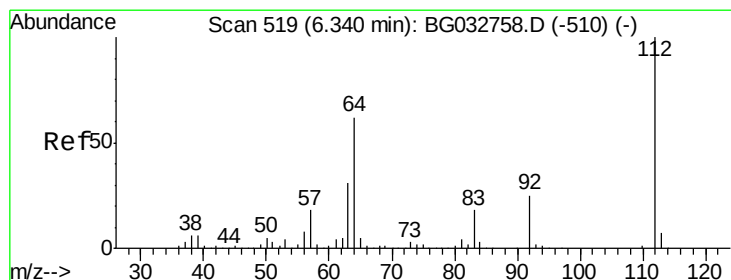
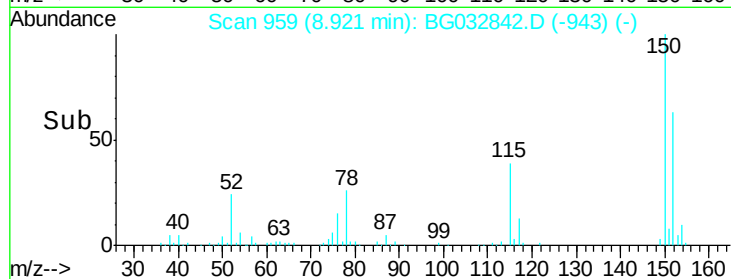
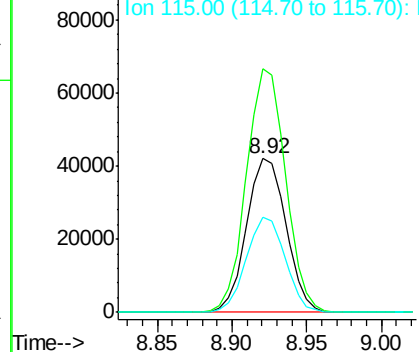
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.92 min Scan# 959
Delta R.T. -0.01 min
Lab File: BG032842.D
Acq: 27 Feb 2018 4:26

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 76873
Ion Ratio Lower Upper
152 100
150 158.5 126.6 189.8
115 61.7 53.0 79.4



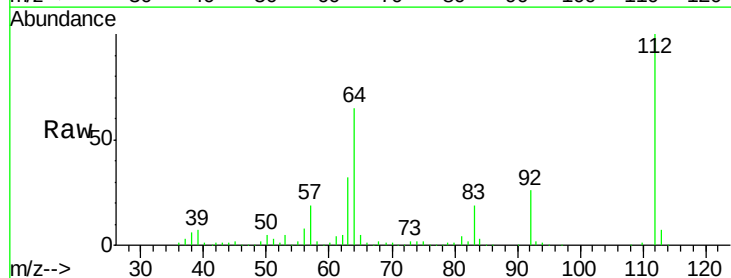
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



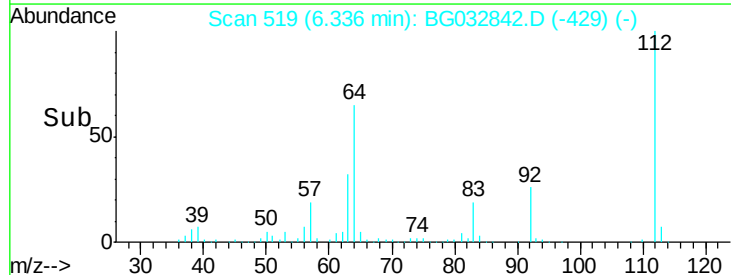
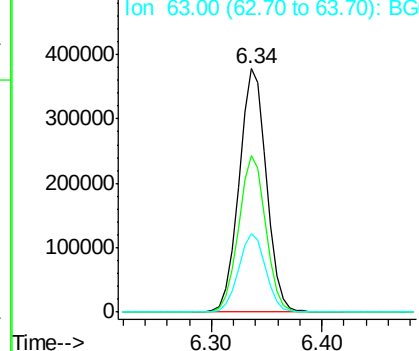
#5

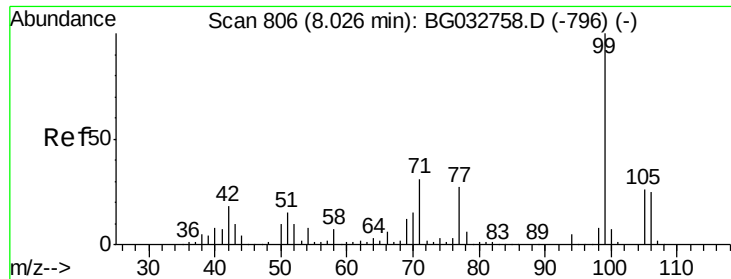
2-Fluorophenol
Concen: 136.22 ng
RT: 6.34 min Scan# 519
Delta R.T. -0.00 min
Lab File: BG032842.D
Acq: 27 Feb 2018 4:26

Tgt Ion:112 Resp: 654543
Ion Ratio Lower Upper
112 100
64 64.6 56.3 84.5
63 32.0 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 117.69 ng

RT: 8.02 min Scan# 805

Delta R.T. -0.00 min

Lab File: BG032842.D

Acq: 27 Feb 2018 4:26

Instrument :

BNA_F

ClientSampleId :

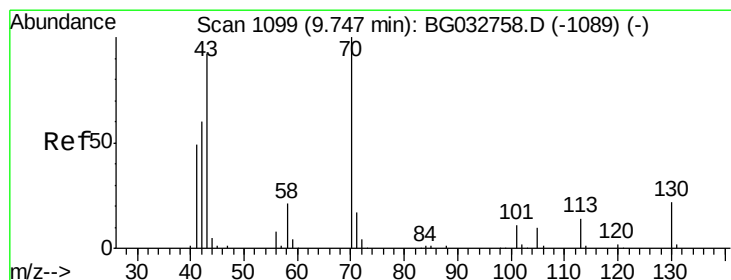
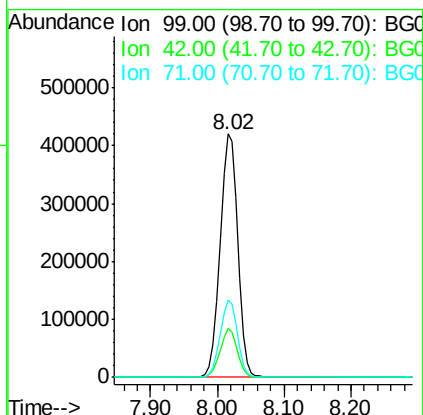
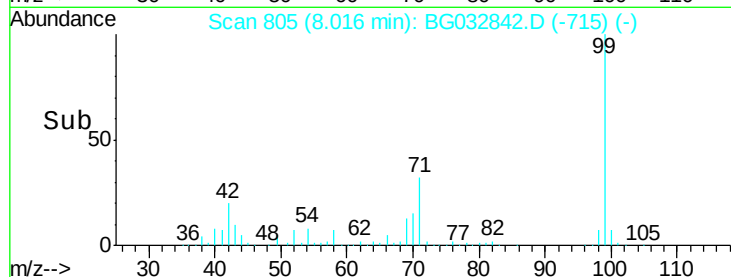
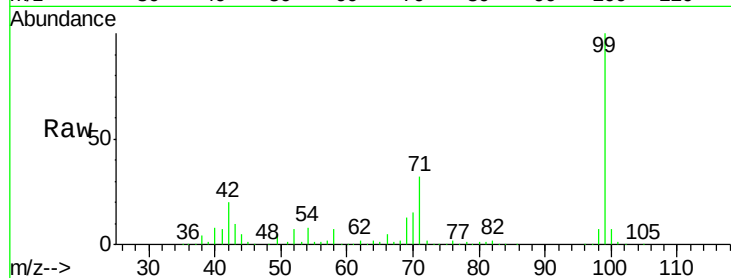
Tot Ion: 99 Resp: 788244

Ion Ratio Lower Upper

99 100

42 19.9 14.1 21.1

71 31.9 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 14.66 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.38 min

Lab File: BG032842.D

Acq: 27 Feb 2018 4:26

Tgt Ion: 70 Resp: 69333

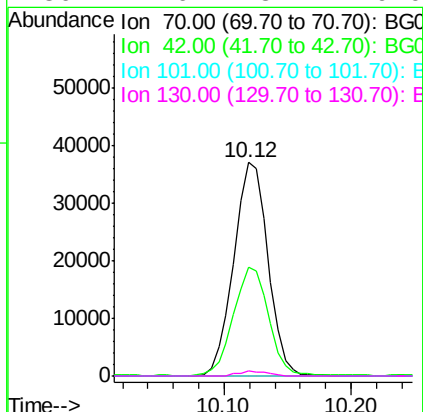
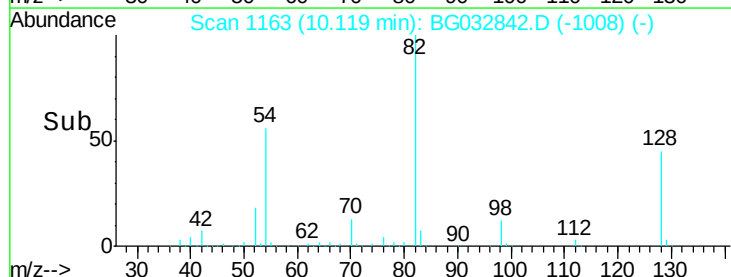
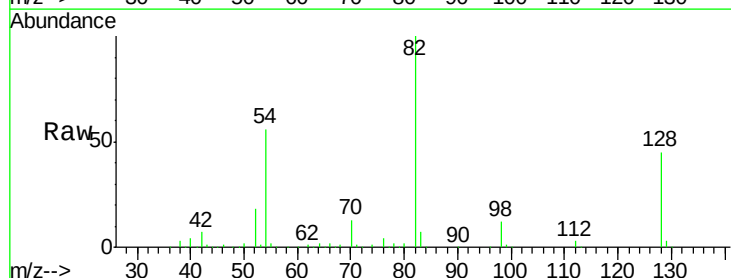
Ion Ratio Lower Upper

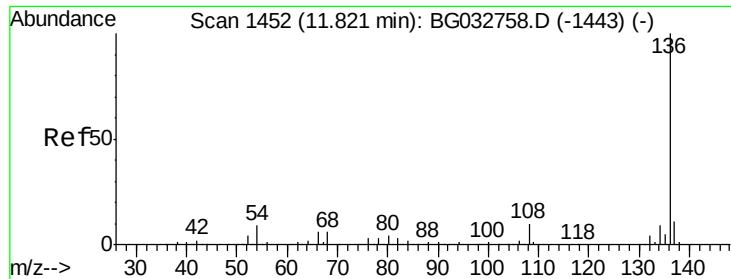
70 100

42 51.1 49.1 73.7

101 0.0 8.5 12.7#

130 2.6 13.4 20.0#

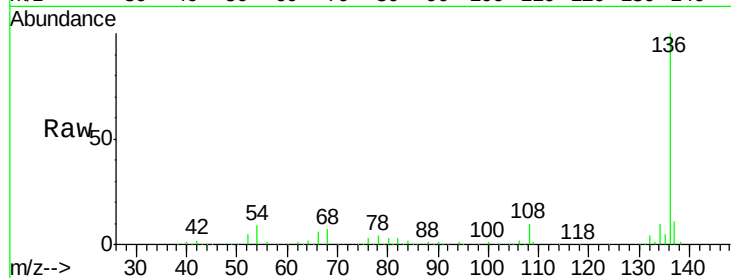




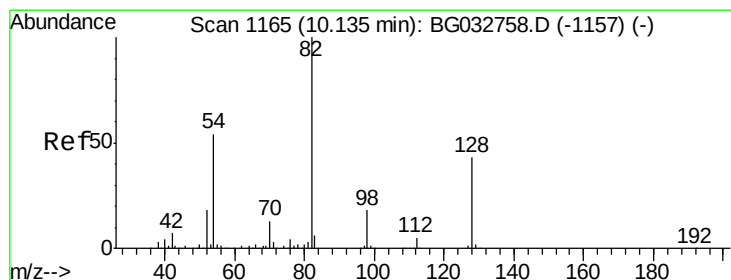
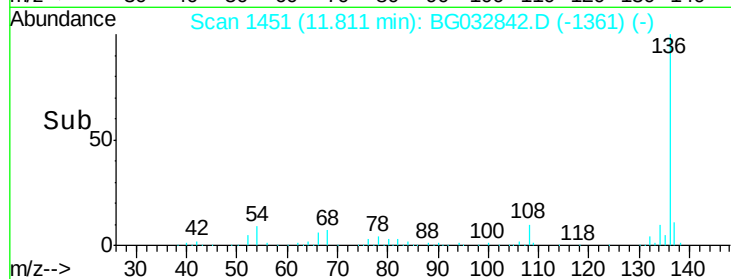
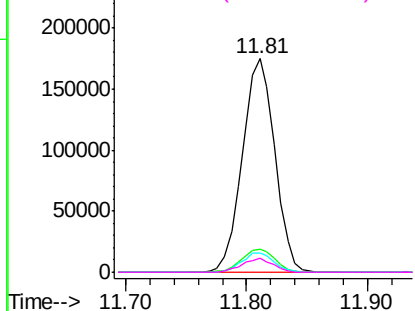
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.81 min Scan# 1451
Delta R.T. -0.00 min
Lab File: BG032842.D
Acq: 27 Feb 2018 4:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	327556
Ion Ratio	Lower	Upper
136	100	
137	10.6	9.2 13.8
54	9.3	10.3 15.5#
68	6.6	4.5 6.7

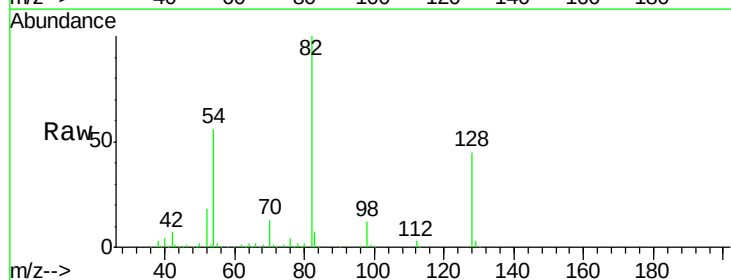


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

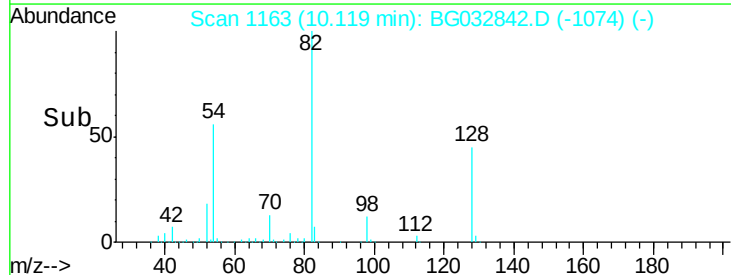
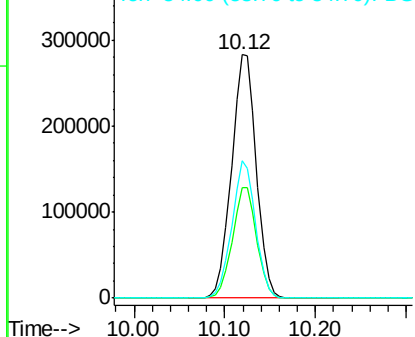


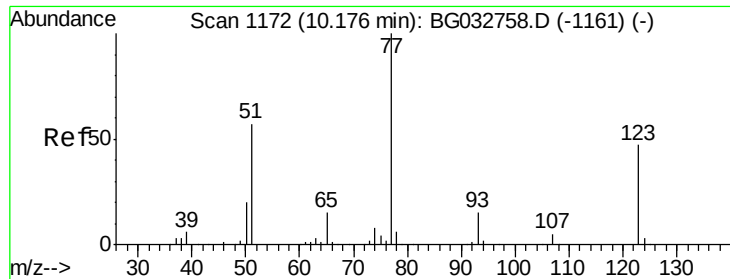
#23
Nitrobenzene-d5
Concen: 110.47 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BG032842.D
Acq: 27 Feb 2018 4:26

Tgt Ion: 82	Resp:	537324
Ion Ratio	Lower	Upper
82	100	
128	45.4	29.7 44.5#
54	56.3	43.1 64.7



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





#24

Nitrobenzene

Concen: 6.62 ng

RT: 10.11 min Scan# 1162

Delta R.T. -0.05 min

Lab File: BG032842.D

Acq: 27 Feb 2018 4:26

Instrument :

BNA_F

ClientSampleId :

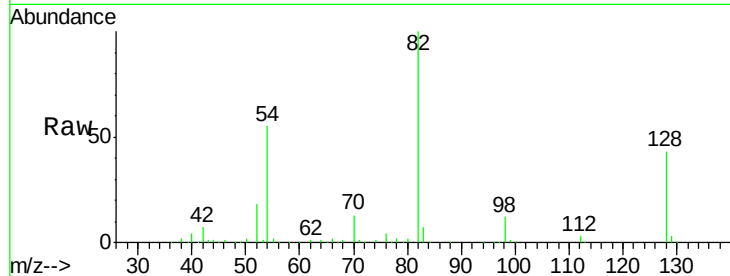
Tot Ion: 77 Resp: 1470

Ion Ratio Lower Upper

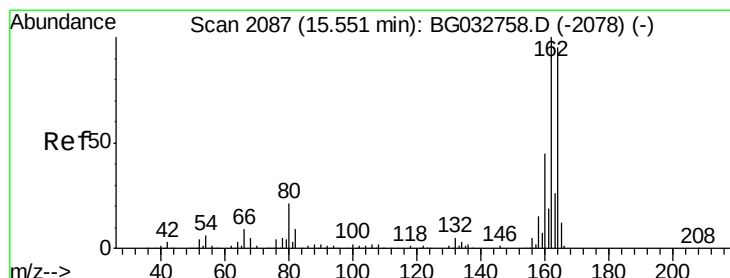
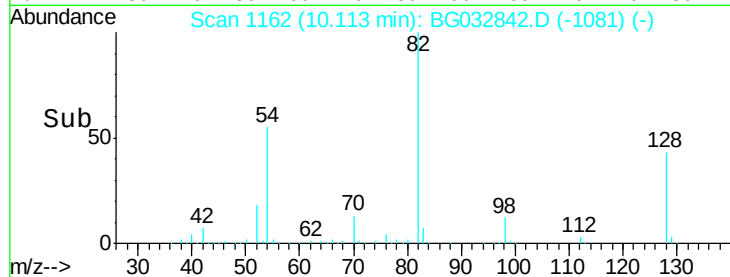
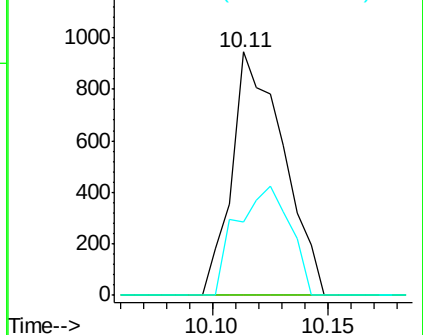
77 100

123 0.0 33.0 49.6#

65 29.9 13.0 19.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.01 min

Lab File: BG032842.D

Acq: 27 Feb 2018 4:26

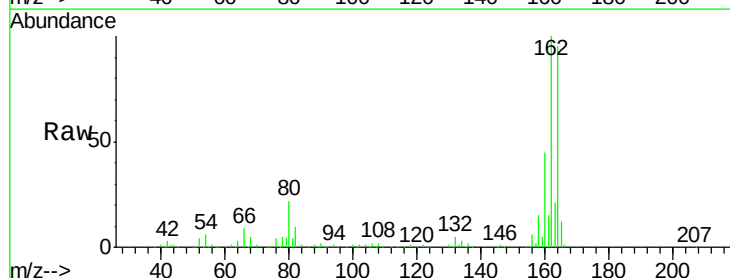
Tgt Ion:164 Resp: 178552

Ion Ratio Lower Upper

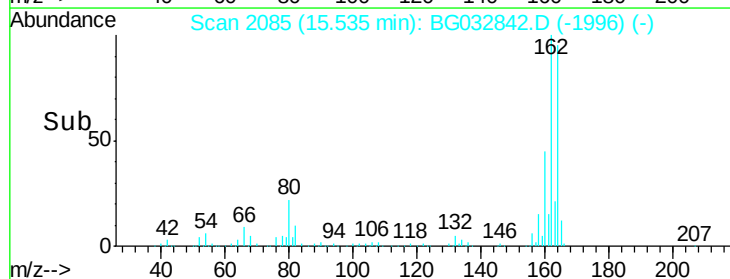
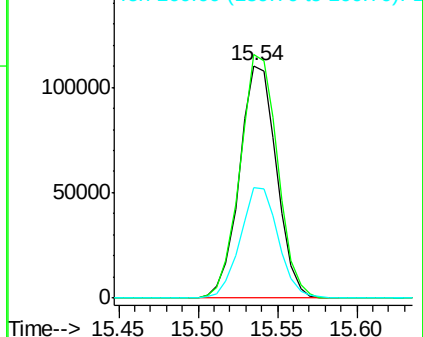
164 100

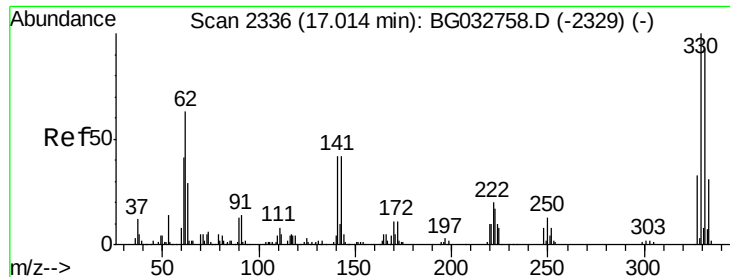
162 104.7 78.8 118.2

160 47.6 35.4 53.0



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





#41

2,4,6-Tribromophenol

Concen: 153.64 ng

RT: 17.01 min Scan# 2336

Delta R.T. -0.00 min

Lab File: BG032842.D

Acq: 27 Feb 2018 4:26

Instrument :

BNA_F

ClientSampled :

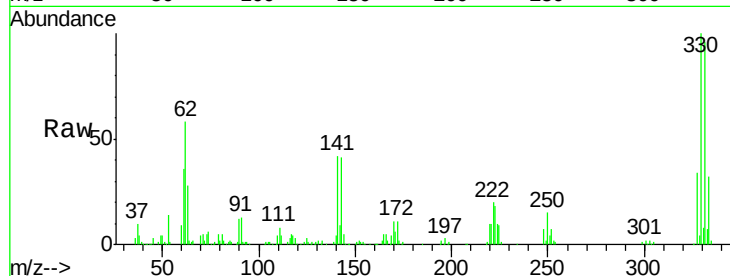
Tot Ion:330 Resp: 288444

Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

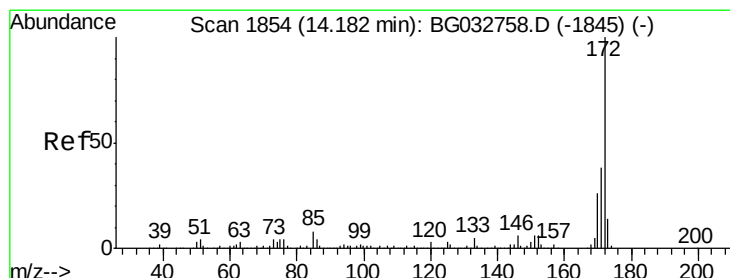
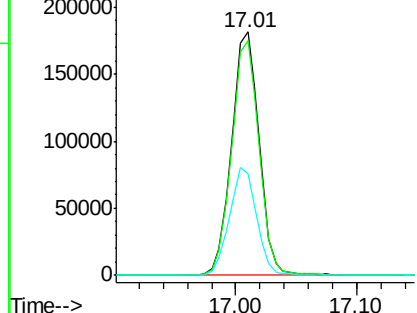
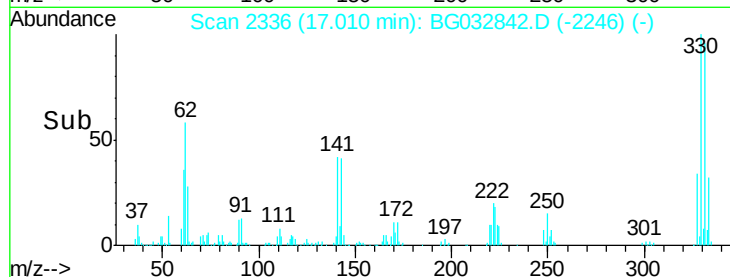
141 43.8 25.2 37.8#



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: 96.22 ng

RT: 14.17 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BG032842.D

Acq: 27 Feb 2018 4:26

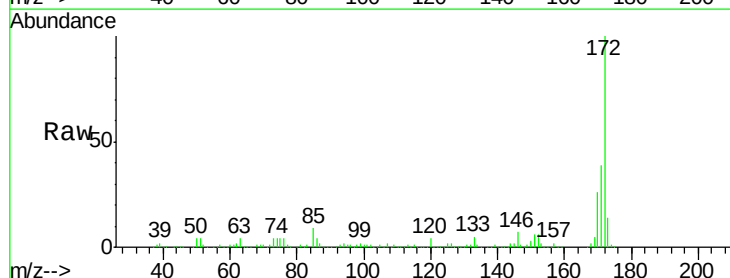
Tgt Ion:172 Resp: 1191245

Ion Ratio Lower Upper

172 100

171 39.3 30.0 45.0

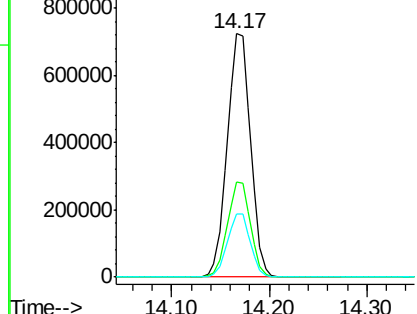
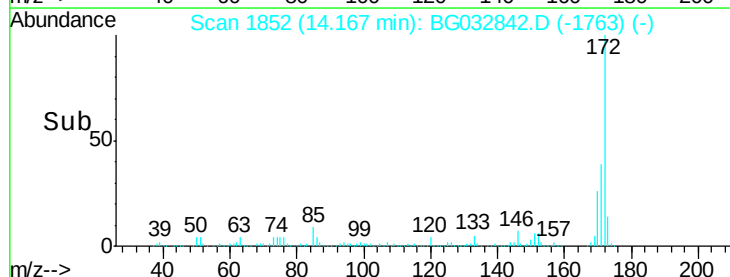
170 25.9 19.5 29.3

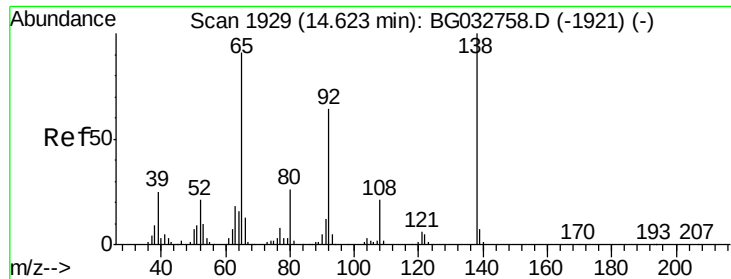


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

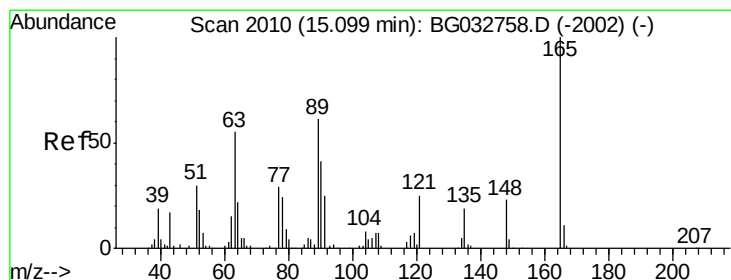
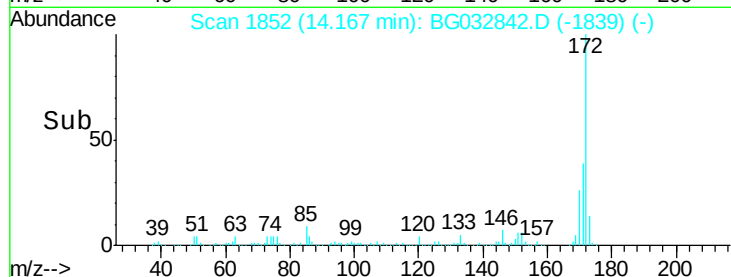
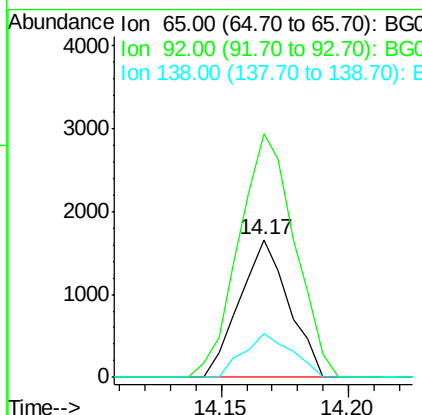
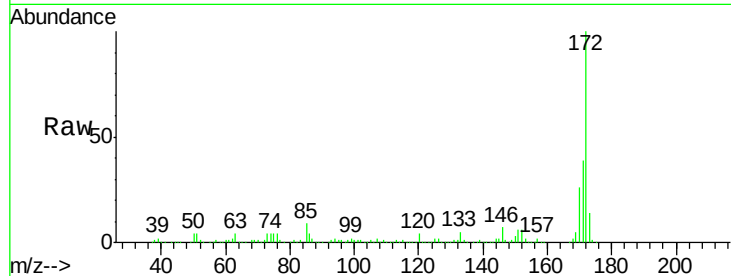




#47
2-Nitroaniline
Concen: 10.44 ng
RT: 14.17 min Scan# 1852
Delta R.T. -0.45 min
Lab File: BG032842.D
Acq: 27 Feb 2018 4:26

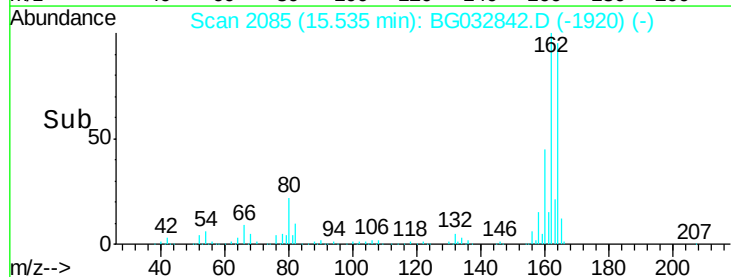
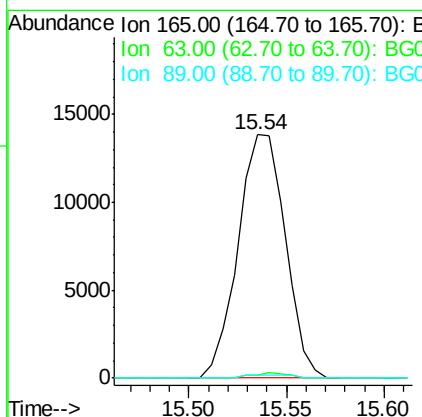
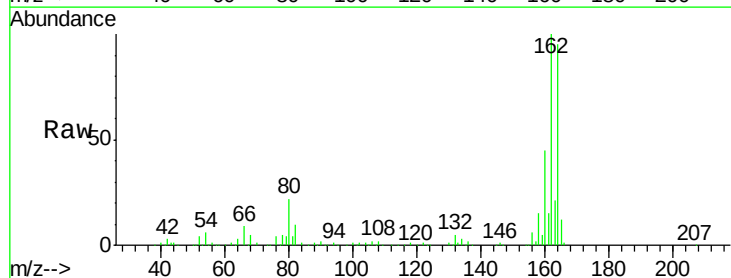
Instrument :
BNA_F
ClientSampleId :

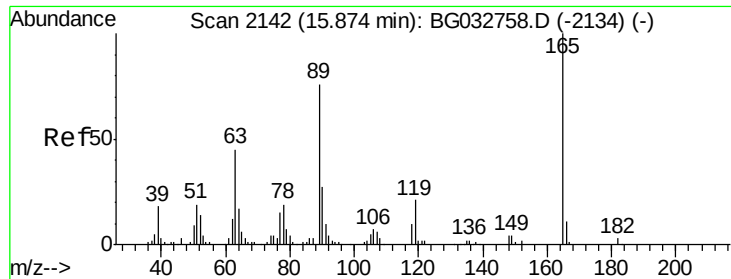
Tot Ion: 65 Resp: 2246
Ion Ratio Lower Upper
65 100
92 176.7 54.6 82.0#
138 31.9 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.42 ng
RT: 15.54 min Scan# 2085
Delta R.T. 0.44 min
Lab File: BG032842.D
Acq: 27 Feb 2018 4:26

Tgt Ion:165 Resp: 23161
Ion Ratio Lower Upper
165 100
63 1.2 52.7 79.1#
89 1.2 49.2 73.8#

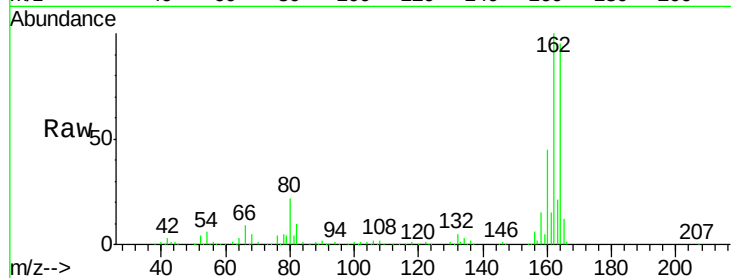




#56
 2,4-Dinitrotoluene
 Concen: 14.62 ng
 RT: 15.54 min Scan# 2085
 Delta R.T. -0.33 min
 Lab File: BG032842.D
 Acq: 27 Feb 2018 4:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	42.0	63.0#
89	1.2	66.9	100.3#
182	0.0	2.6	3.8#

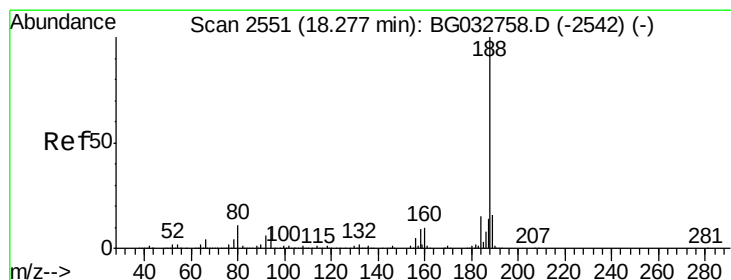
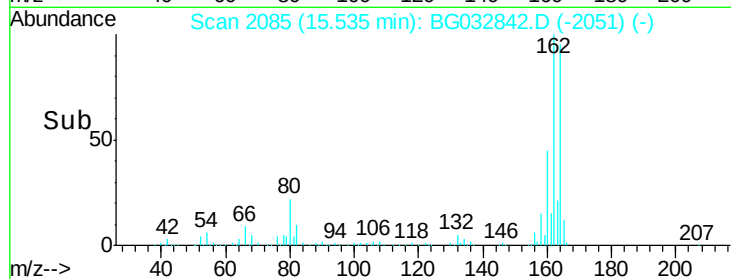
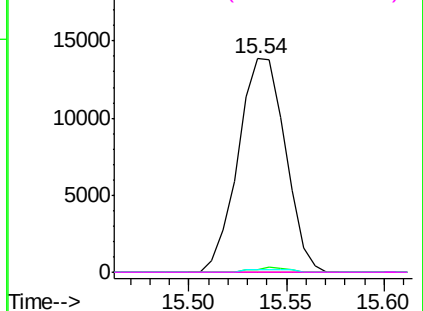


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

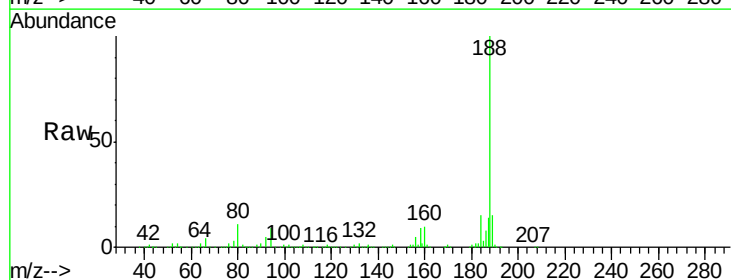
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 18.27 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: BG032842.D
 Acq: 27 Feb 2018 4:26

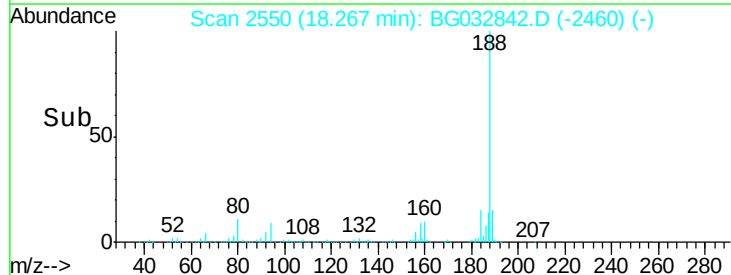
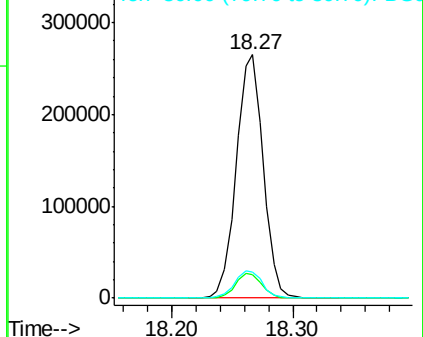
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	6.9	10.3
80	10.5	7.7	11.5

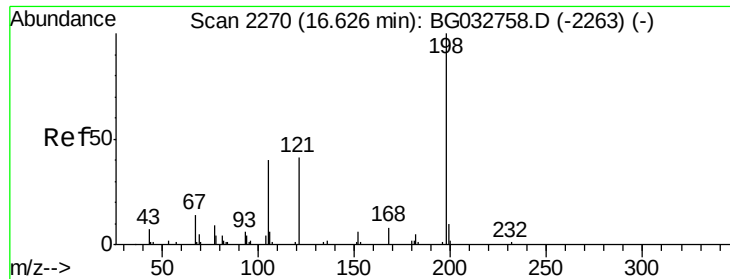


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#64

4,6-Dinitro-2-methylphenol

Concen: 5.91 ng

RT: 17.00 min Scan# 2335

Delta R.T. 0.38 min

Lab File: BG032842.D

Acq: 27 Feb 2018 4:26

Instrument :

BNA_F

ClientSampled :

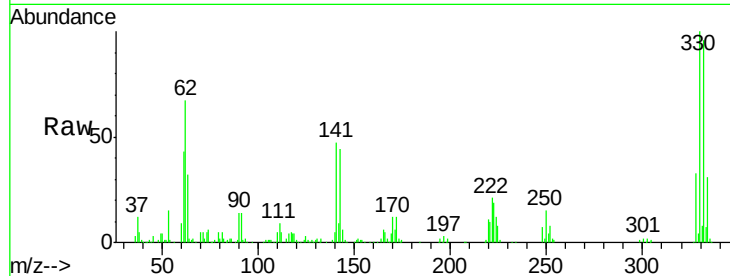
Tot Ion:198 Resp: 933

Ion Ratio Lower Upper

198 100

51 121.0 30.6 70.6#

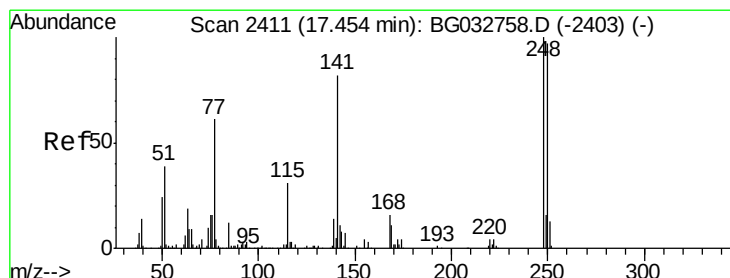
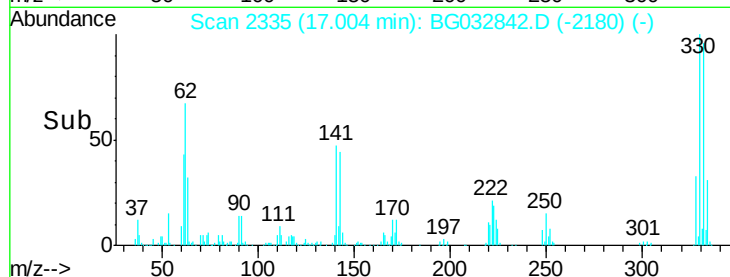
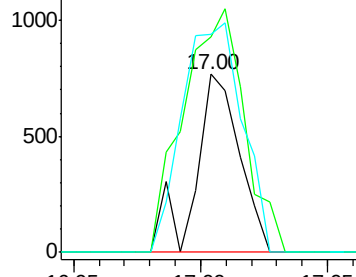
105 122.7 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.65 ng

RT: 17.01 min Scan# 2336

Delta R.T. -0.43 min

Lab File: BG032842.D

Acq: 27 Feb 2018 4:26

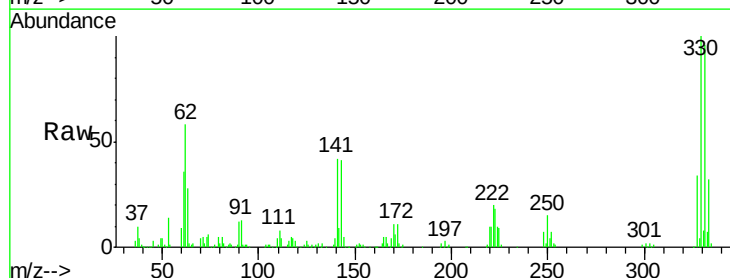
Tgt Ion:248 Resp: 20202

Ion Ratio Lower Upper

248 100

250 199.3 77.1 115.7#

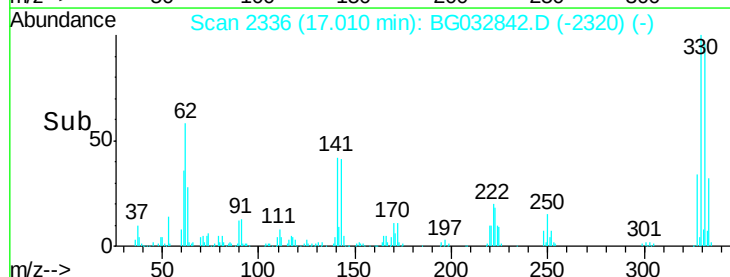
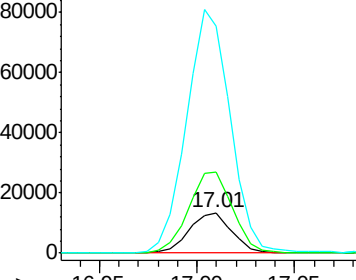
141 560.2 50.8 76.2#

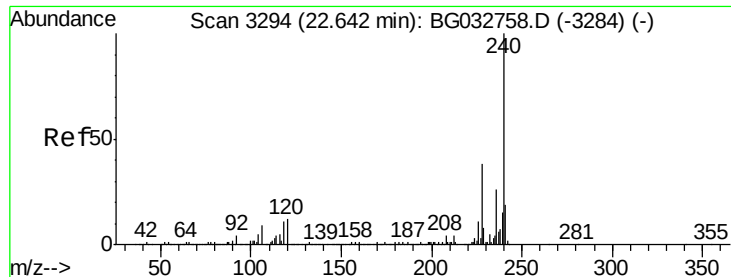


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.62 min Scan# 3291

Delta R.T. -0.01 min

Lab File: BG032842.D

Acq: 27 Feb 2018 4:26

Instrument :

BNA_F

ClientSampled :

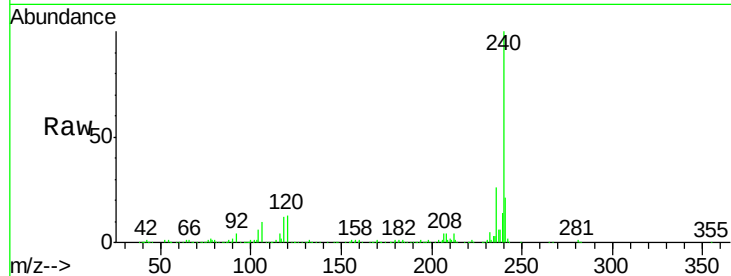
Tot Ion:240 Resp: 393238

Ion Ratio Lower Upper

240 100

120 13.3 6.8 10.2#

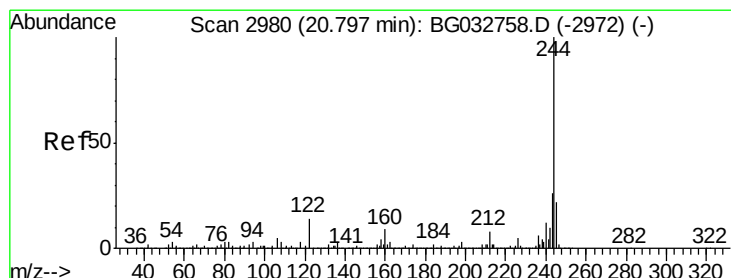
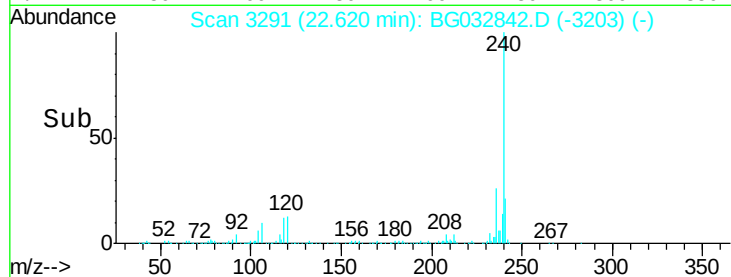
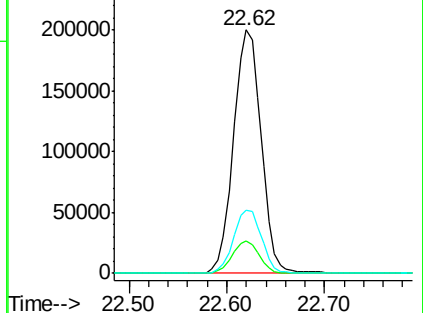
236 26.2 20.9 31.3



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: 98.32 ng

RT: 20.79 min Scan# 2979

Delta R.T. -0.00 min

Lab File: BG032842.D

Acq: 27 Feb 2018 4:26

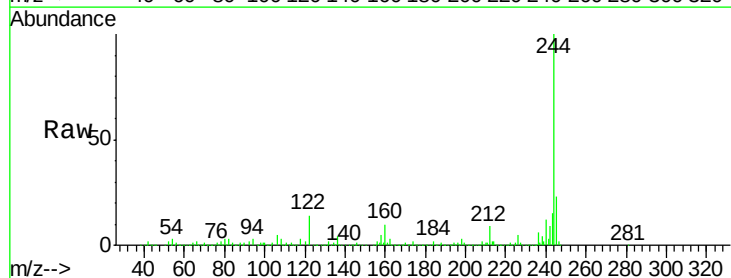
Tgt Ion:244 Resp: 1720908

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8#

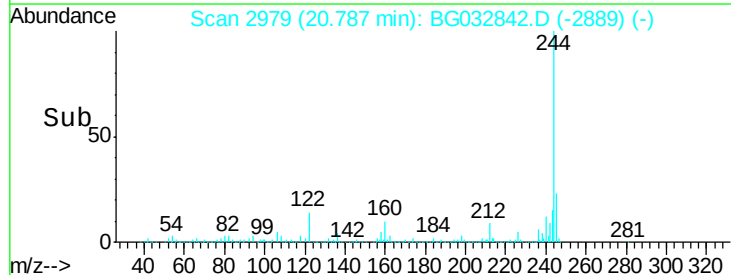
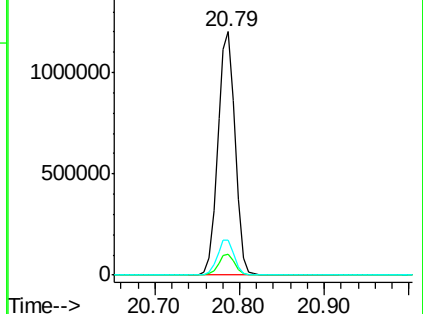
122 14.2 7.0 10.4#

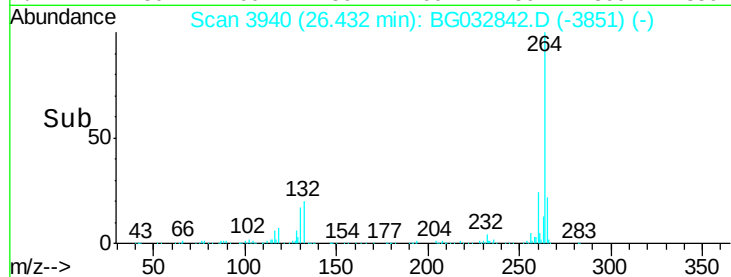
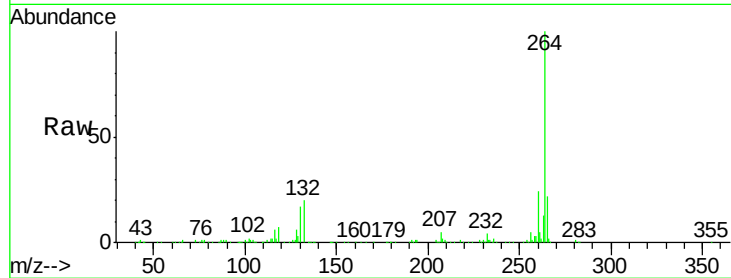
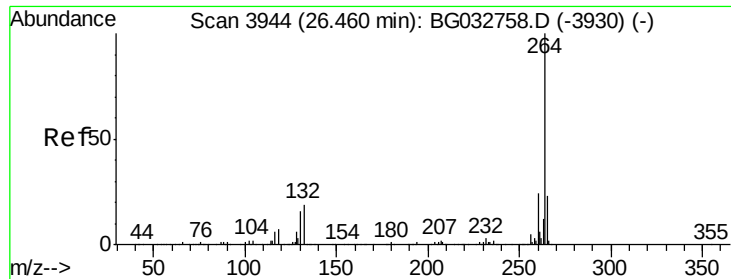


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 26.43 min Scan# 3940
 Delta R.T. -0.01 min
 Lab File: BG032842.D
 Acq: 27 Feb 2018 4:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	404660
Ion Ratio	Lower	Upper	
264	100		
260	24.0	17.4	26.0
265	22.3	17.7	26.5

