

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021418\
 Data File : BG032685.D
 Acq On : 14 Feb 2018 17:37
 Operator : SJ/JU
 Sample : J1530-48
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 15 02:53:09 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 12 18:08:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.66	152	24803	20.00	ng	-0.02
21) Naphthalene-d8	11.53	136	120295	20.00	ng	-0.02
38) Acenaphthene-d10	15.29	164	83833	20.00	ng	-0.02
63) Phenanthrene-d10	18.03	188	280661	20.00	ng	-0.02
75) Chrysene-d12	22.35	240	345905	20.00	ng	-0.02
86) Perylene-d12	25.98	264	351529	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.10	112	161078	130.30	ng	-0.02
7) Phenol-d6	7.78	99	249764	147.75	ng	-0.02
23) Nitrobenzene-d5	9.86	82	153623	81.16	ng	-0.02
41) 2,4,6-Tribromophenol	16.77	330	271738	210.51	ng	-0.02
44) 2-Fluorobiphenyl	13.92	172	642161	95.79	ng	-0.01
78) Terphenyl-d14	20.57	244	1588528	104.67	ng	-0.01

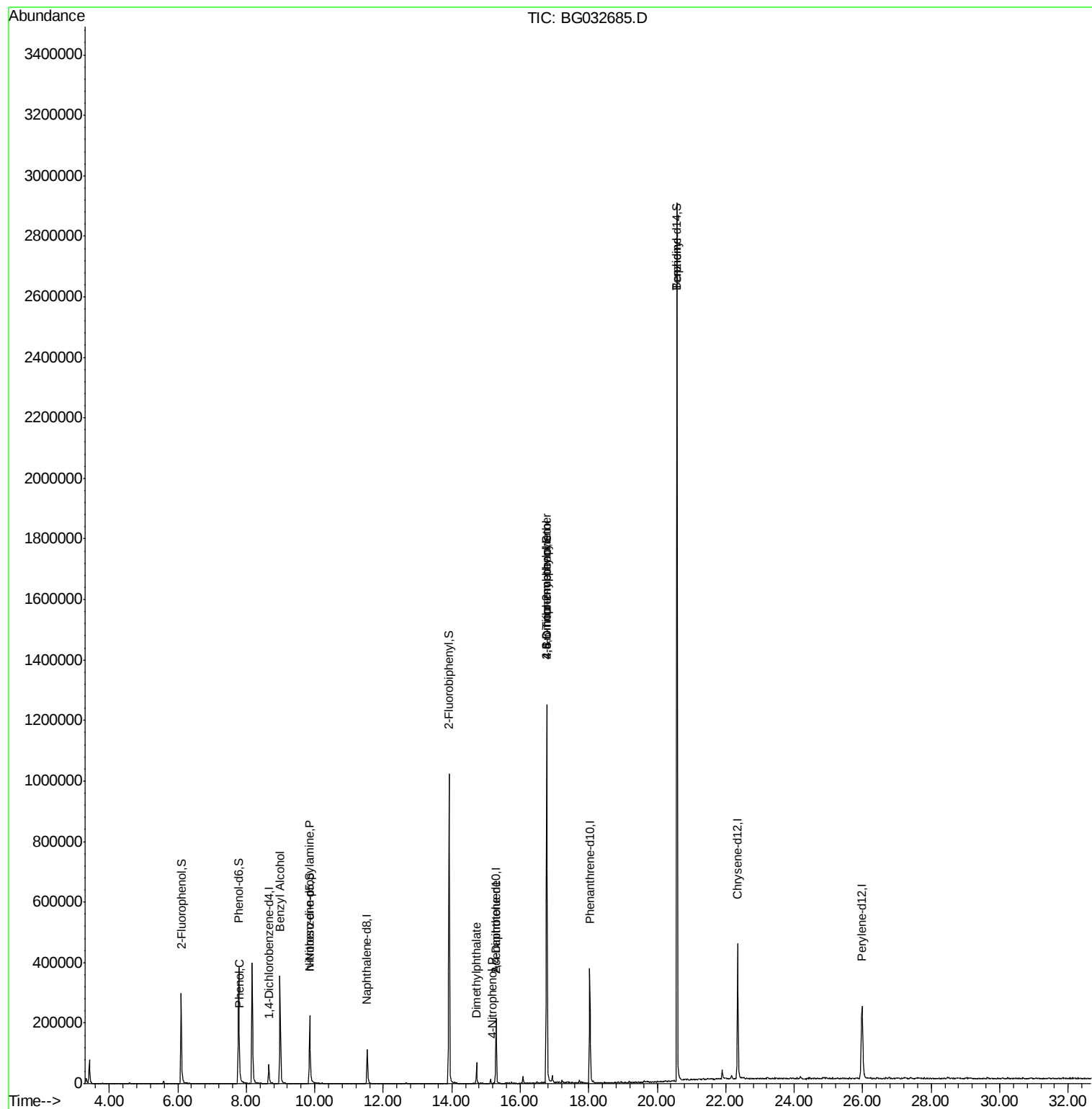
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.81	94	8704	5.29	ng	# 68
15) Benzyl Alcohol	8.99	79	2892	2.28	ng	# 57
19) n-Nitroso-di-n-propylamine	9.86	70	22854	20.11	ng	# 77
49) Dimethylphthalate	14.72	163	54838	7.57	ng	# 96
55) 4-Nitrophenol	15.18	139	64	5.55	ng	# 1
56) 2,4-Dinitrotoluene	15.29	165	11860	5.77	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.77	198	879	5.41	ng	# 57
66) 4-Bromophenyl-phenylether	16.77	248	24090	6.00	ng	# 1
76) Benzidine	20.57	184	24102	2.96	ng	# 91

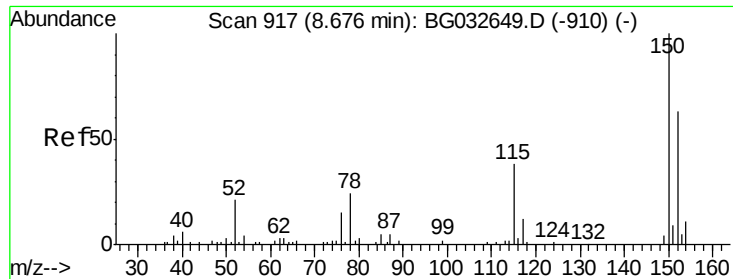
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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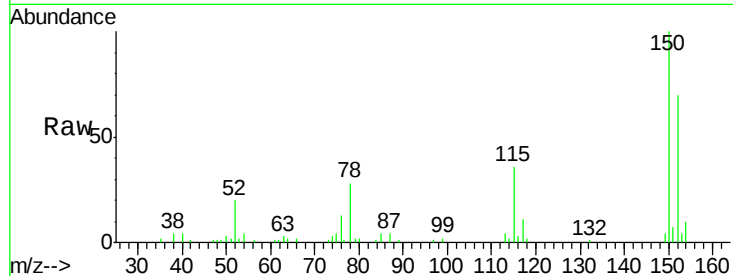


#1

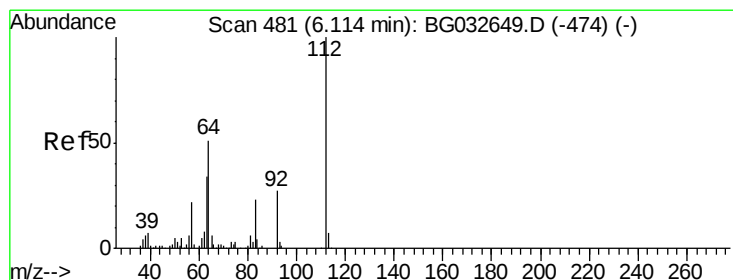
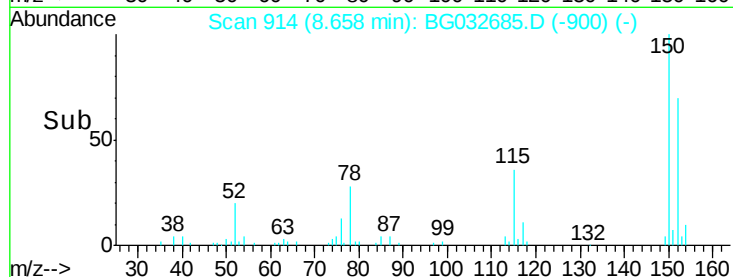
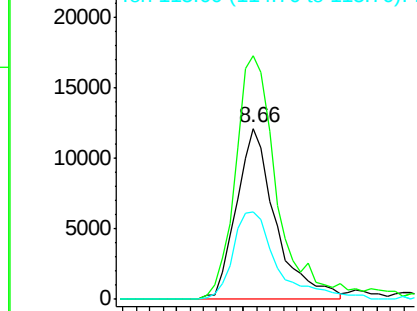
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.66 min Scan# 914
Delta R.T. -0.02 min
Lab File: BG032685.D
Acq: 14 Feb 2018 17:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 24803
Ion Ratio Lower Upper
152 100
150 142.7 126.6 189.8
115 51.0 53.0 79.4#



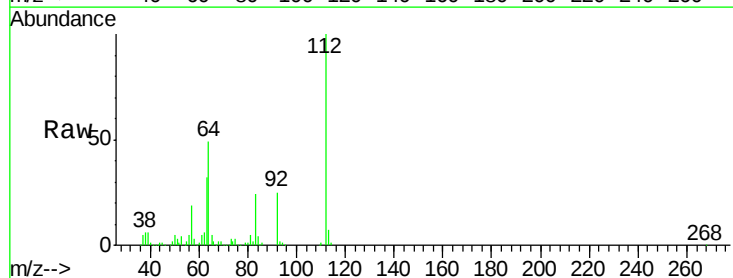
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



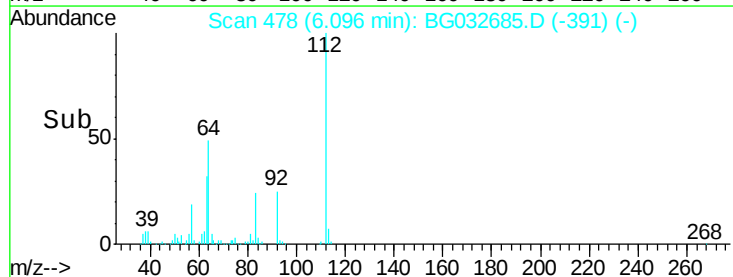
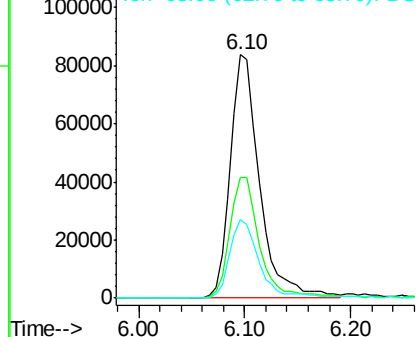
#5

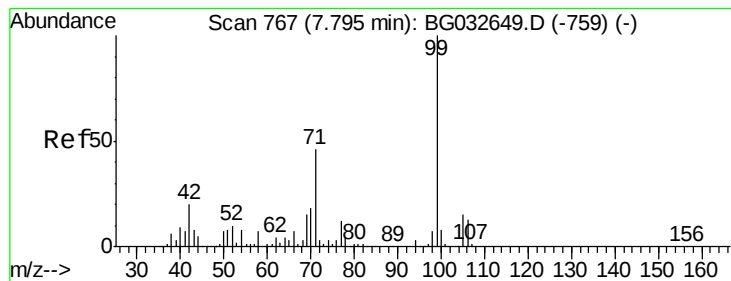
2-Fluorophenol
Concen: 130.30 ng
RT: 6.10 min Scan# 478
Delta R.T. -0.02 min
Lab File: BG032685.D
Acq: 14 Feb 2018 17:37

Tgt Ion:112 Resp: 161078
Ion Ratio Lower Upper
112 100
64 49.4 56.3 84.5#
63 32.3 30.1 45.1



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





#7

Phenol-d6

Concen: 147.75 ng

RT: 7.78 min Scan# 764

Delta R.T. -0.02 min

Lab File: BG032685.D

Acq: 14 Feb 2018 17:37

Instrument :

BNA_G

ClientSampleId :

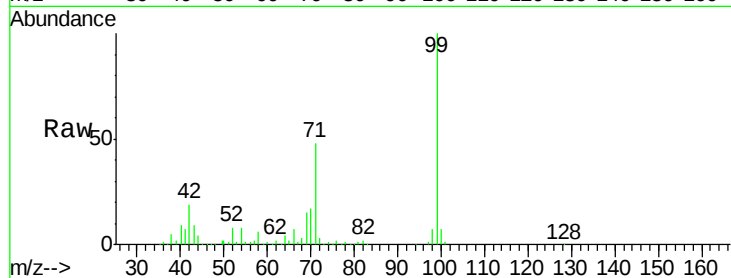
Tot Ion: 99 Resp: 249764

Ion Ratio Lower Upper

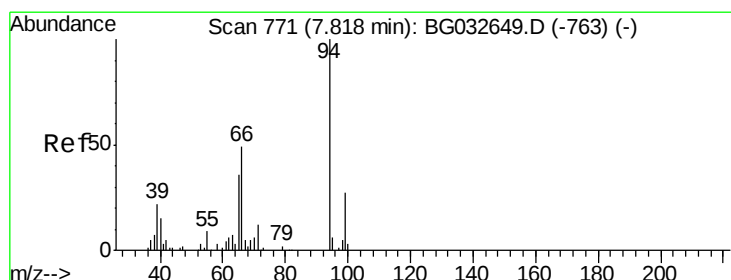
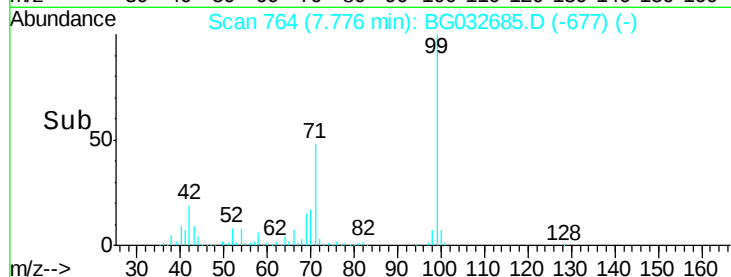
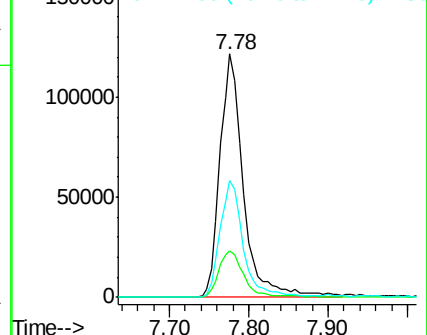
99 100

42 19.2 14.1 21.1

71 48.2 26.1 39.1#



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



#10

Phenol

Concen: 5.29 ng

RT: 7.81 min Scan# 769

Delta R.T. -0.01 min

Lab File: BG032685.D

Acq: 14 Feb 2018 17:37

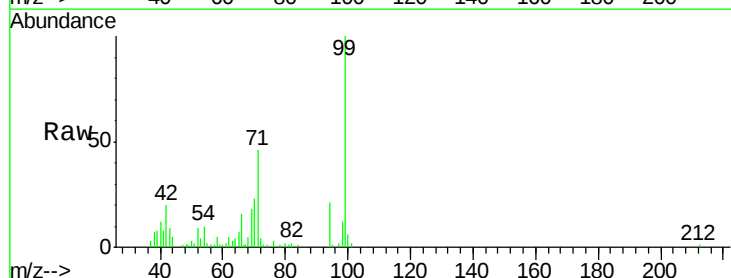
Tgt Ion: 94 Resp: 8704

Ion Ratio Lower Upper

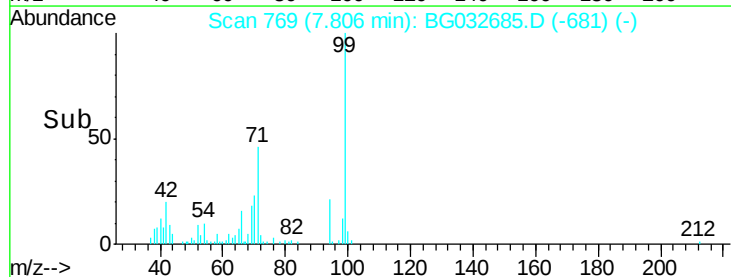
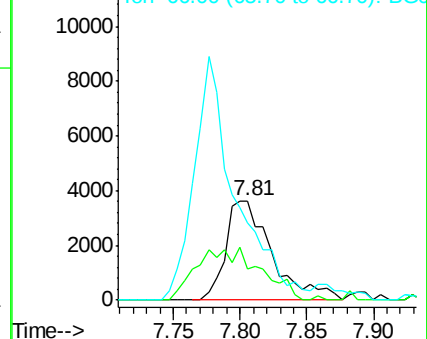
94 100

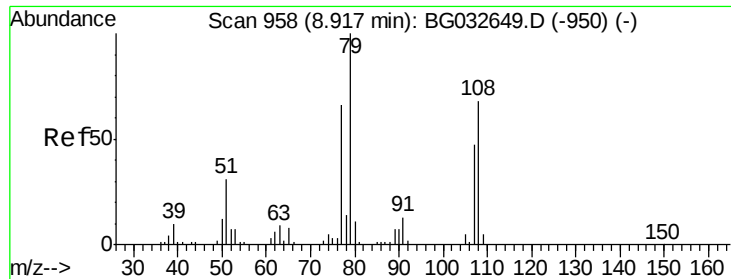
65 31.5 11.9 51.9

66 77.5 22.2 62.2#



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





#15

Benzyl Alcohol

Concen: 2.28 ng

RT: 8.99 min Scan# 971

Delta R.T. 0.08 min

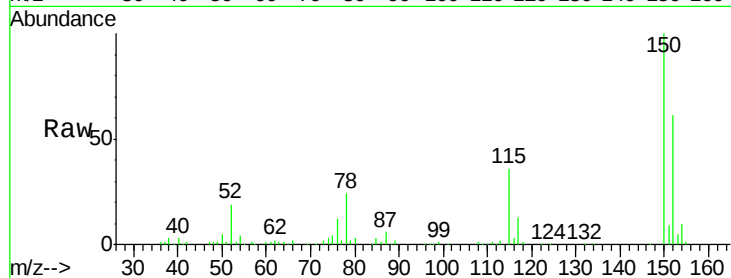
Lab File: BG032685.D

Acq: 14 Feb 2018 17:37

Instrument :

BNA_G

ClientSampled :



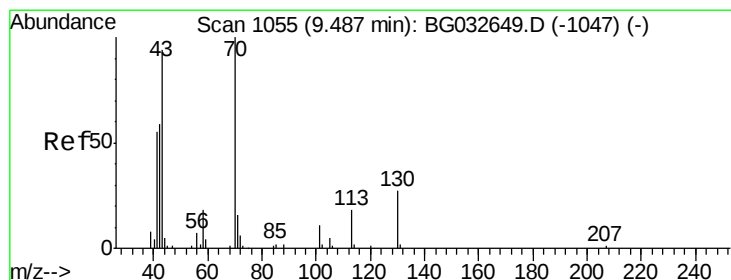
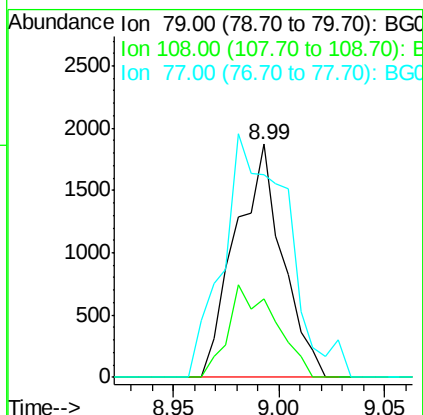
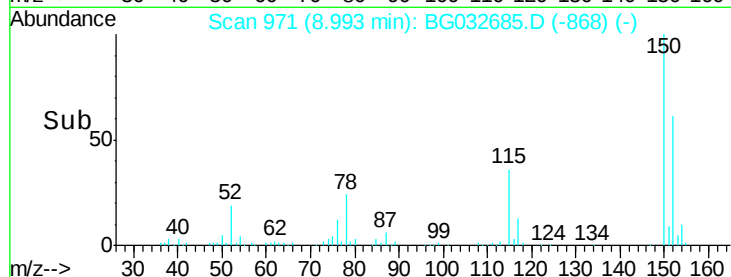
Tot Ion: 79 Resp: 2892

Ion Ratio Lower Upper

79 100

108 33.6 57.2 85.8#

77 87.2 46.1 69.1#



#19

n-Nitroso-di-n-propylamine

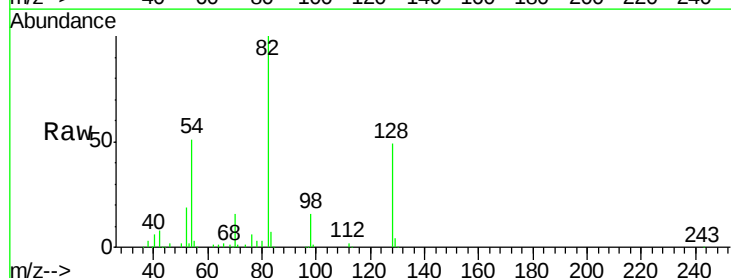
Concen: 20.11 ng

RT: 9.86 min Scan# 1118

Delta R.T. 0.37 min

Lab File: BG032685.D

Acq: 14 Feb 2018 17:37



Tgt Ion: 70 Resp: 22854

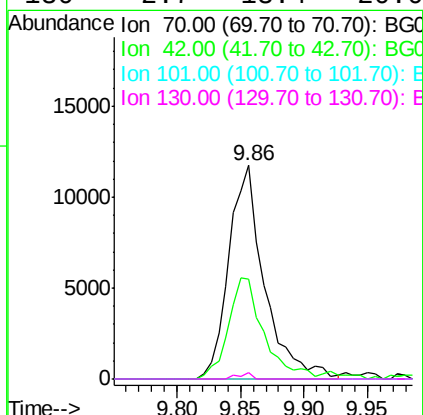
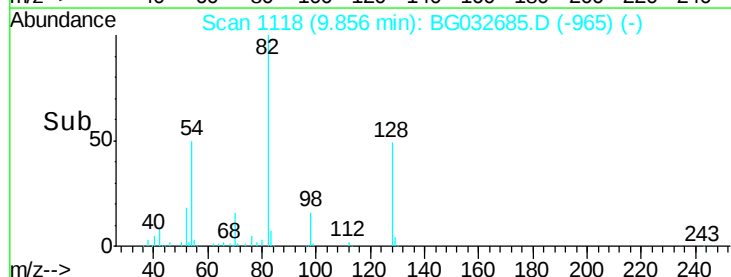
Ion Ratio Lower Upper

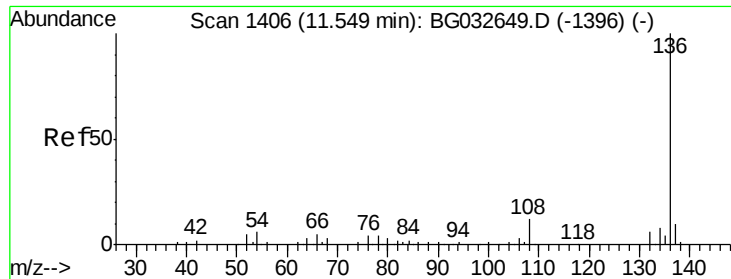
70 100

42 46.6 49.1 73.7#

101 0.0 8.5 12.7#

130 2.7 13.4 20.0#

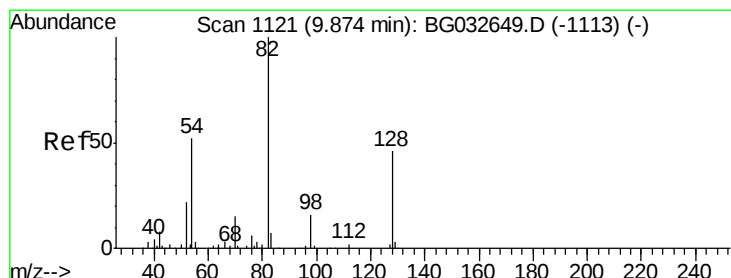
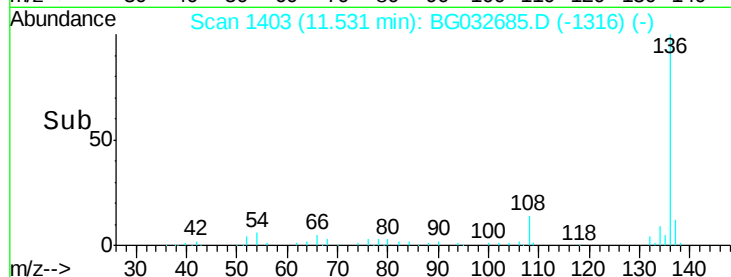
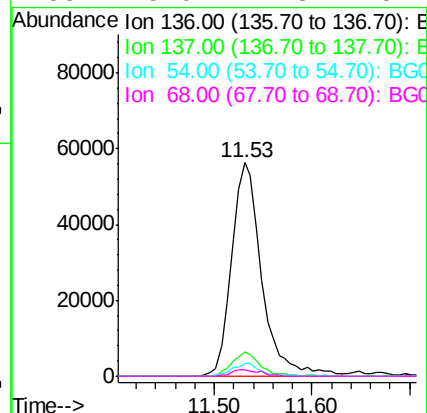
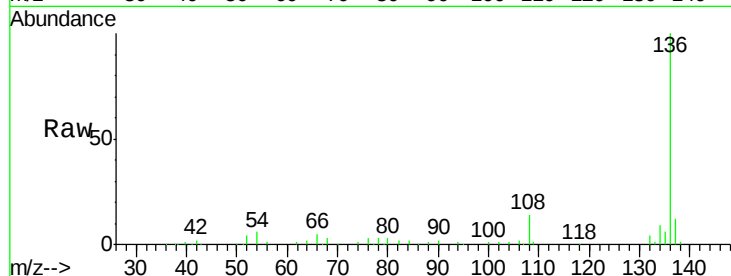




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.53 min Scan# 1403
Delta R.T. -0.02 min
Lab File: BG032685.D
Acq: 14 Feb 2018 17:37

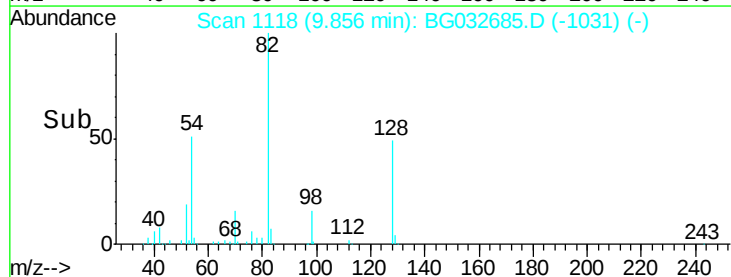
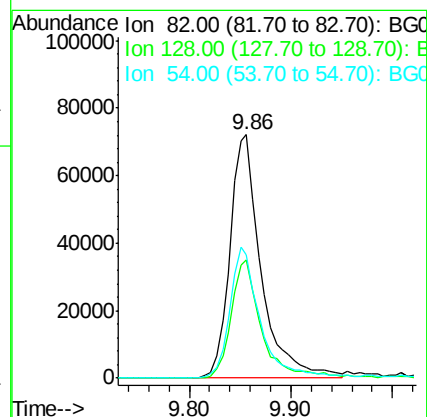
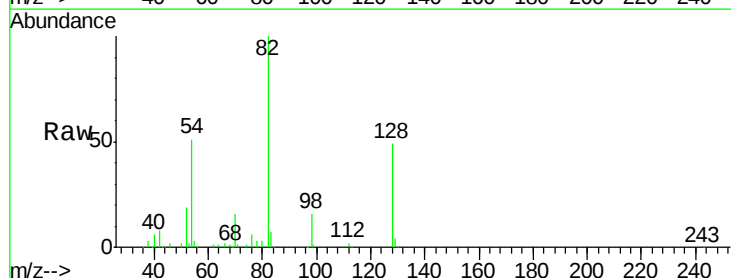
Instrument :
BNA_G
ClientSampleId :

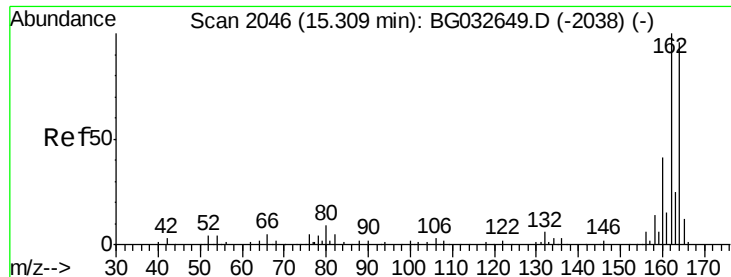
Tot Ion:136	Resp:	120295
Ion Ratio	Lower	Upper
136	100	
137	11.6	9.2 13.8
54	6.3	10.3 15.5#
68	3.0	4.5 6.7#



#23
Nitrobenzene-d5
Concen: 81.16 ng
RT: 9.86 min Scan# 1118
Delta R.T. -0.02 min
Lab File: BG032685.D
Acq: 14 Feb 2018 17:37

Tgt Ion: 82	Resp:	153623
Ion Ratio	Lower	Upper
82	100	
128	48.5	29.7 44.5#
54	50.6	43.1 64.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.29 min Scan# 2043

Delta R.T. -0.02 min

Lab File: BG032685.D

Acq: 14 Feb 2018 17:37

Instrument :

BNA_G

ClientSampleId :

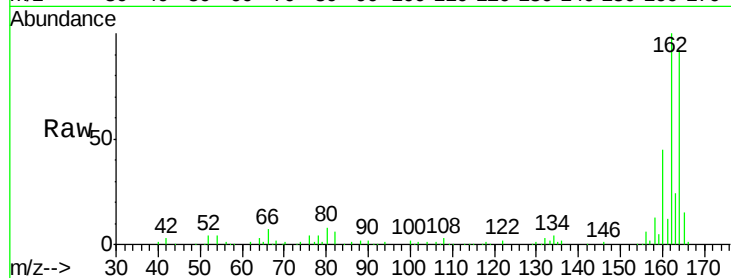
Tot Ion:164 Resp: 83833

Ion Ratio Lower Upper

164 100

162 109.1 78.8 118.2

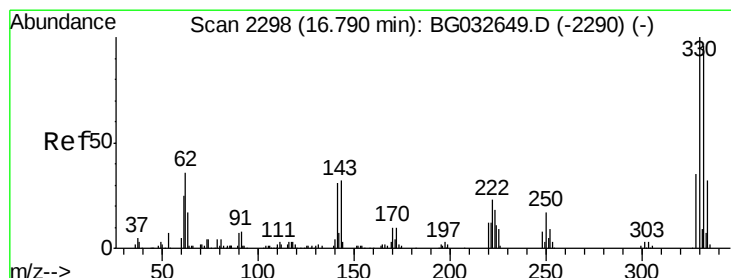
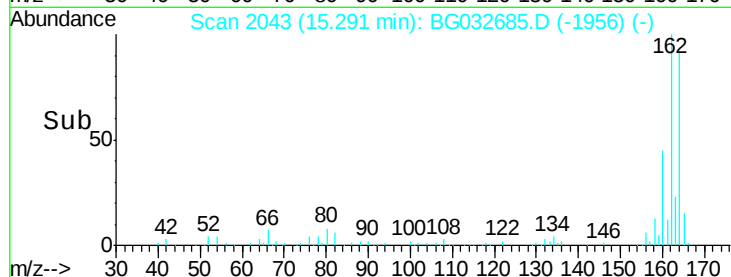
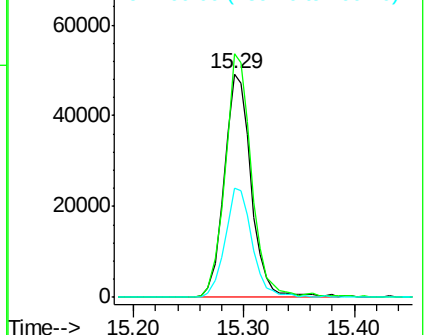
160 49.0 35.4 53.0



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: 210.51 ng

RT: 16.77 min Scan# 2295

Delta R.T. -0.02 min

Lab File: BG032685.D

Acq: 14 Feb 2018 17:37

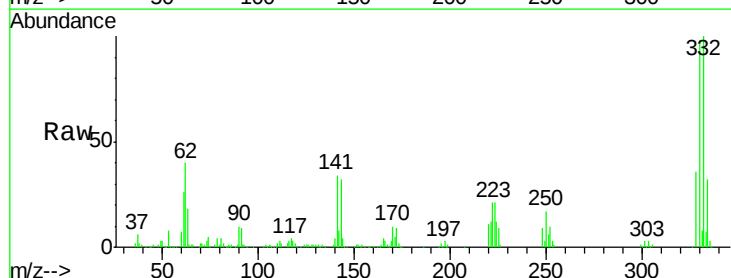
Tgt Ion:330 Resp: 271738

Ion Ratio Lower Upper

330 100

332 98.5 77.0 115.6

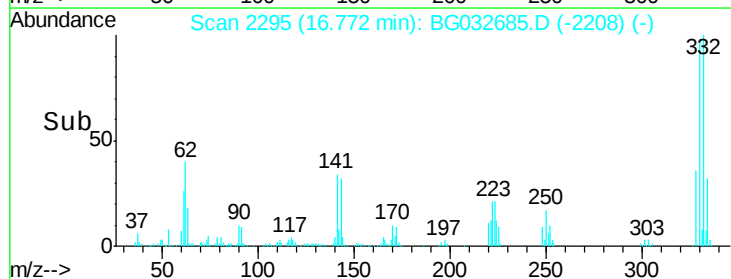
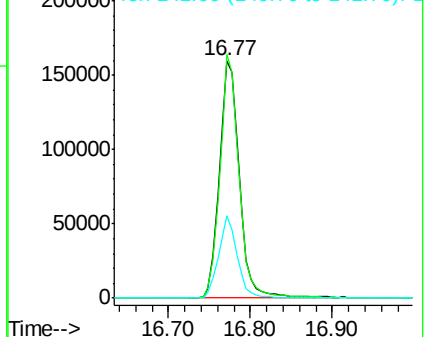
141 32.4 25.2 37.8

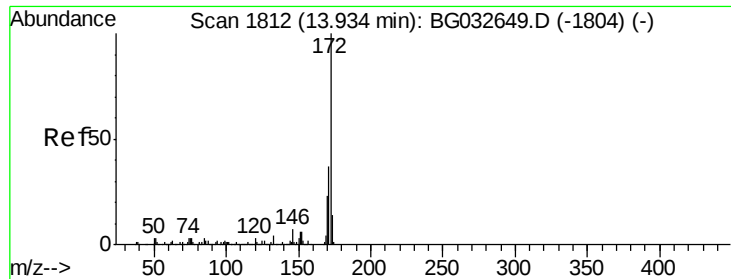


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

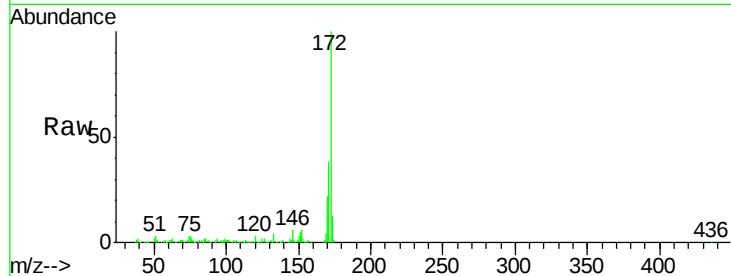




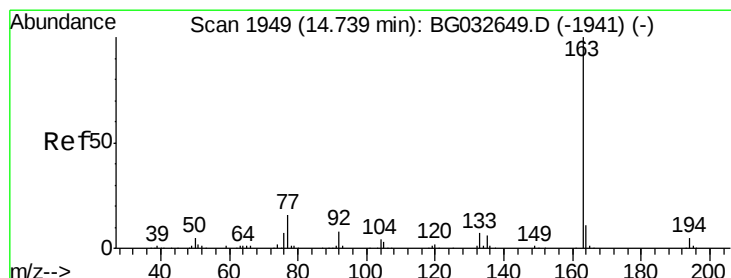
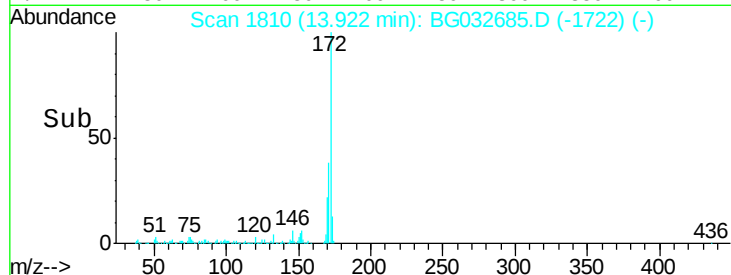
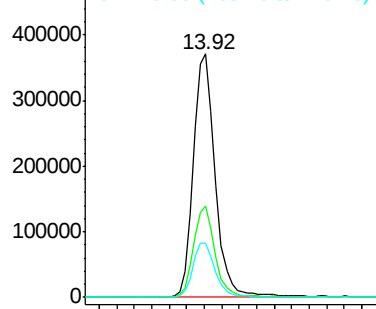
#44
2-Fluorobiphenyl
Concen: 95.79 ng
RT: 13.92 min Scan# 1810
Delta R.T. -0.01 min
Lab File: BG032685.D
Acq: 14 Feb 2018 17:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 642161
Ion Ratio Lower Upper
172 100
171 37.7 30.0 45.0
170 22.4 19.5 29.3

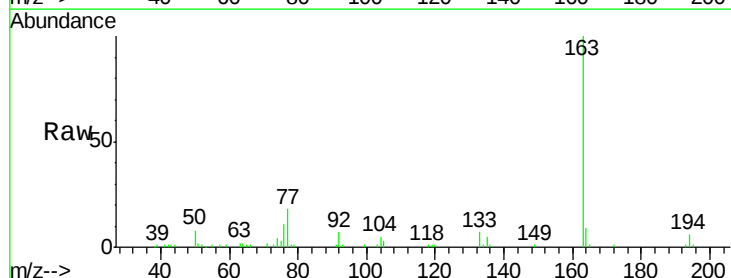


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

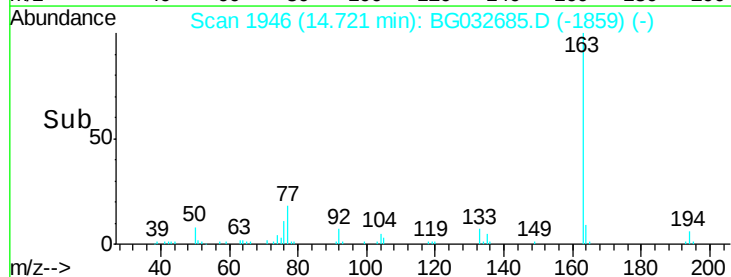
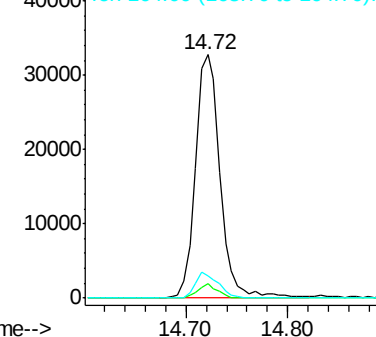


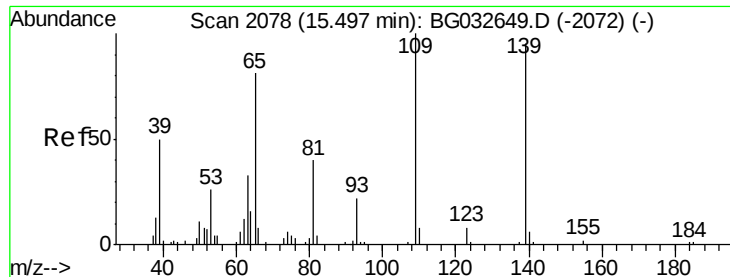
#49
Dimethylphthalate
Concen: 7.57 ng
RT: 14.72 min Scan# 1946
Delta R.T. -0.02 min
Lab File: BG032685.D
Acq: 14 Feb 2018 17:37

Tgt Ion:163 Resp: 54838
Ion Ratio Lower Upper
163 100
194 5.8 3.4 5.2#
164 9.1 8.2 12.4



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: 5.55 ng

RT: 15.18 min Scan# 2024

Delta R.T. -0.32 min

Lab File: BG032685.D

Acq: 14 Feb 2018 17:37

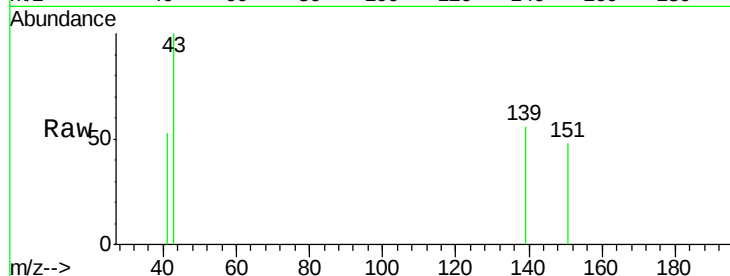
Instrument :

BNA_G

ClientSampleId :

Tot Ion:139 Resp: 64

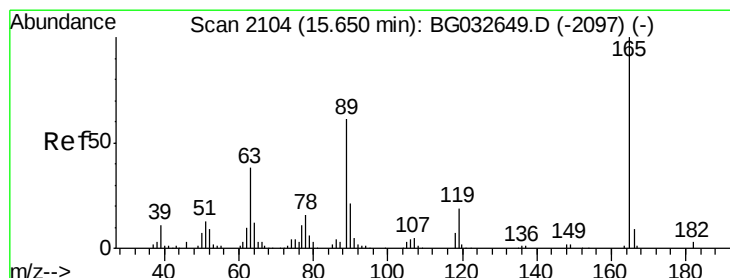
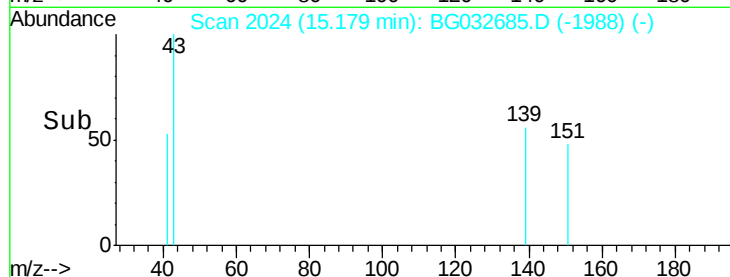
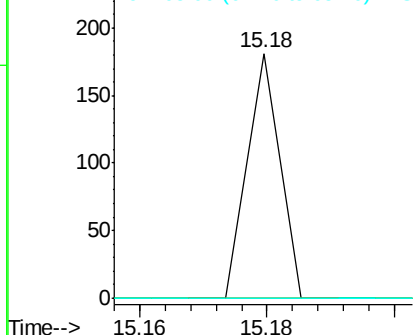
Ion	Ratio	Lower	Upper
139	100		
109	0.0	62.2	102.2#
65	0.0	97.2	137.2#



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): B



#56

2,4-Dinitrotoluene

Concen: 5.77 ng

RT: 15.29 min Scan# 2043

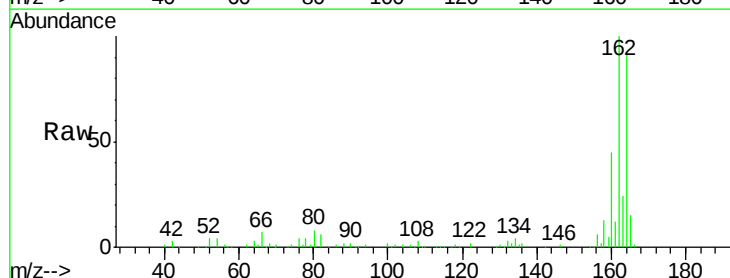
Delta R.T. -0.36 min

Lab File: BG032685.D

Acq: 14 Feb 2018 17:37

Tgt Ion:165 Resp: 11860

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

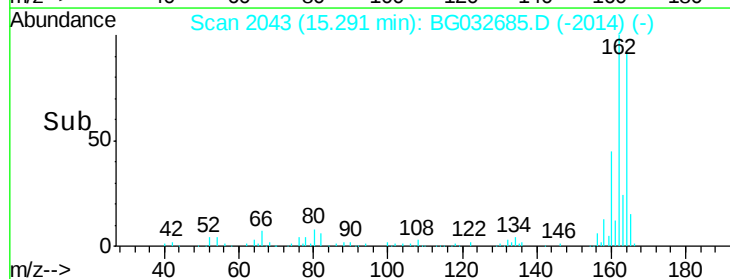
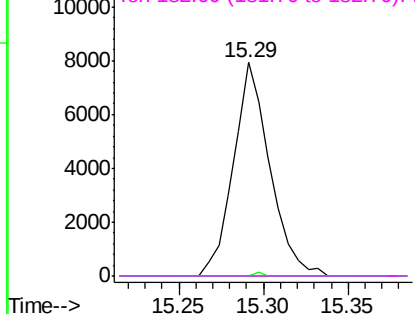


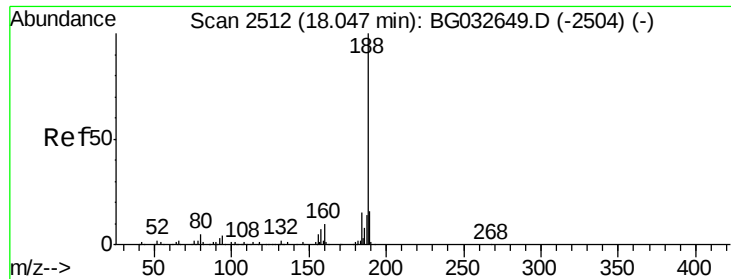
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): B

Ion 89.00 (88.70 to 89.70): B

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.03 min Scan# 2509

Delta R.T. -0.02 min

Lab File: BG032685.D

Acq: 14 Feb 2018 17:37

Instrument :

BNA_G

ClientSampleId :

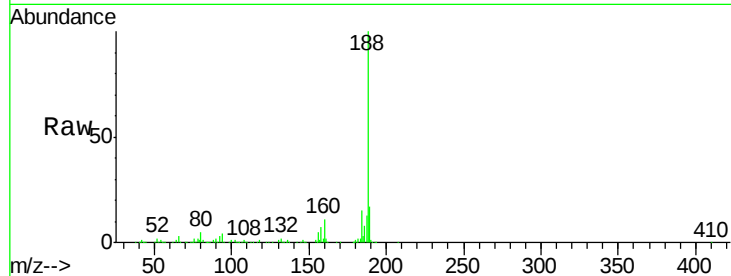
Tot Ion:188 Resp: 280661

Ion Ratio Lower Upper

188 100

94 3.7 6.9 10.3#

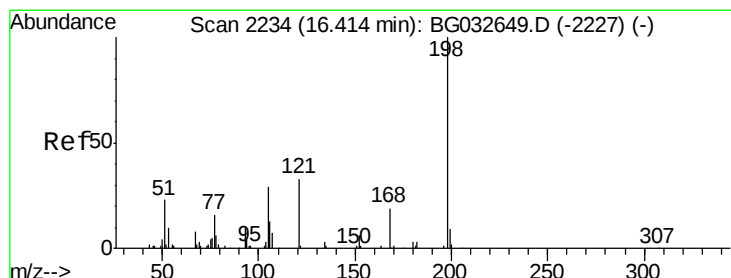
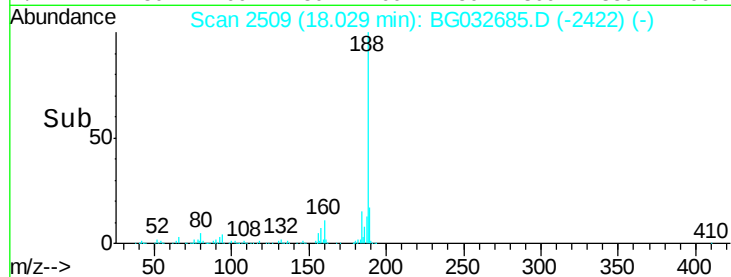
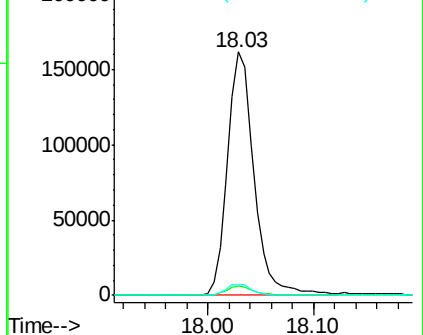
80 4.5 7.7 11.5#



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: 5.41 ng

RT: 16.77 min Scan# 2294

Delta R.T. 0.35 min

Lab File: BG032685.D

Acq: 14 Feb 2018 17:37

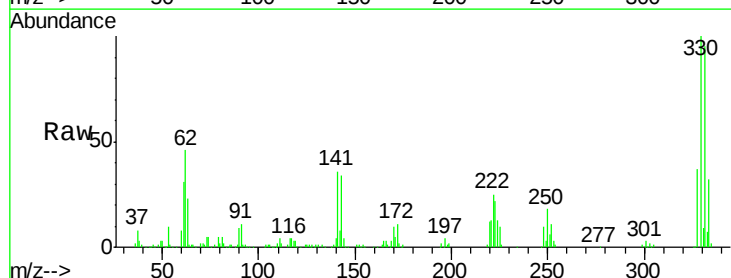
Tgt Ion:198 Resp: 879

Ion Ratio Lower Upper

198 100

51 63.2 30.6 70.6

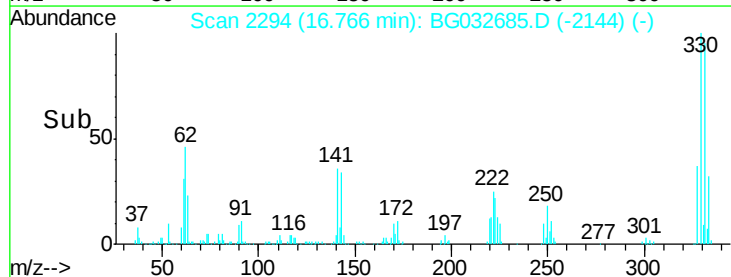
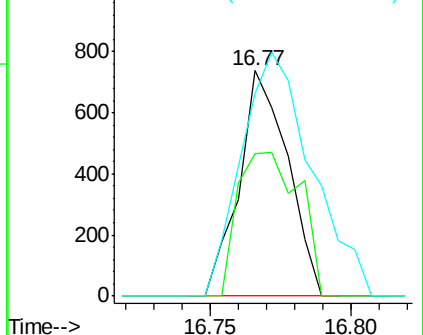
105 90.2 23.8 63.8#

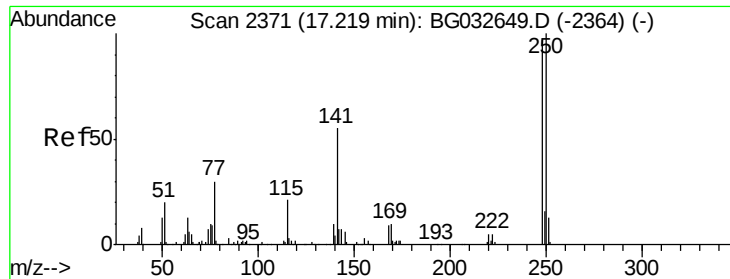


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

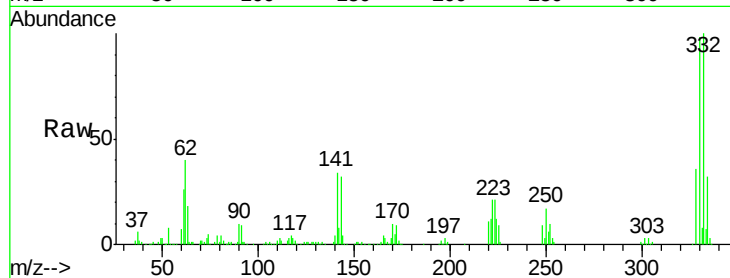




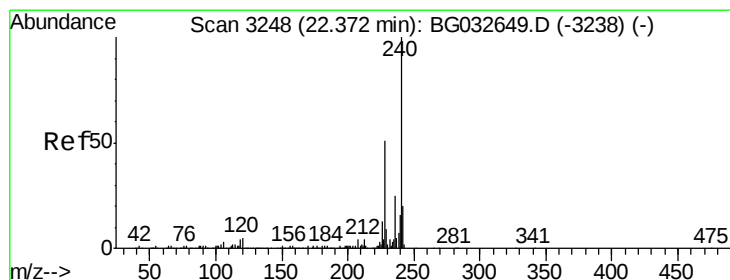
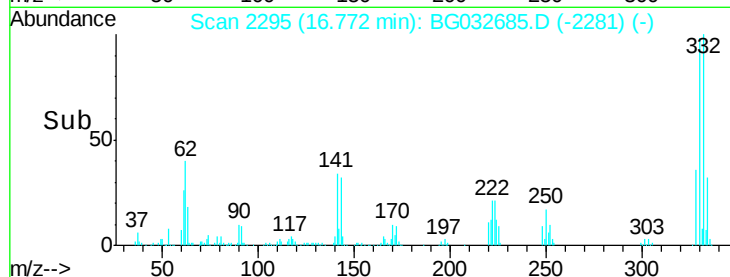
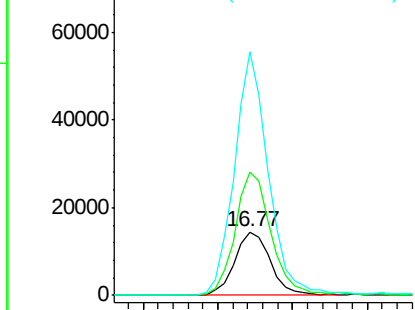
#66
4-Bromophenyl-phenylether
Concen: 6.00 ng
RT: 16.77 min Scan# 2295
Delta R.T. -0.45 min
Lab File: BG032685.D
Acq: 14 Feb 2018 17:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 24090
Ion Ratio Lower Upper
248 100
250 193.7 77.1 115.7#
141 382.5 50.8 76.2#

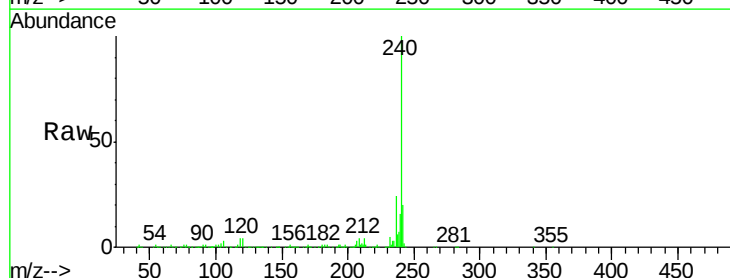


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

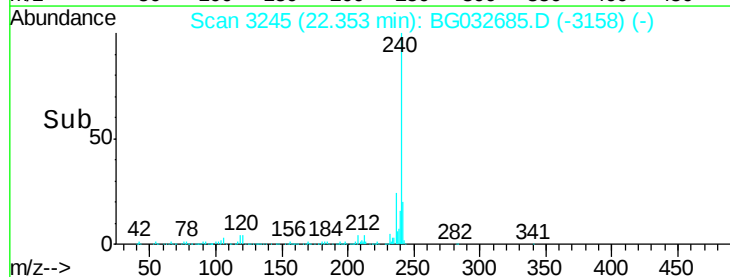
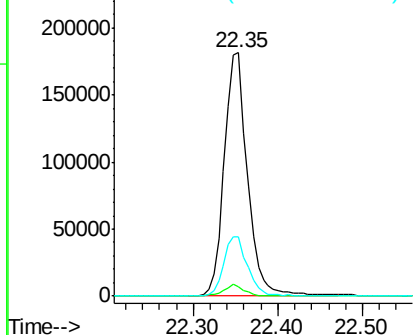


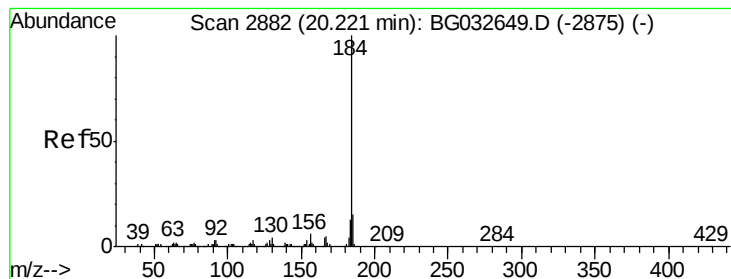
#75
Chrysene-d12
Concen: 20.00 ng
RT: 22.35 min Scan# 3245
Delta R.T. -0.02 min
Lab File: BG032685.D
Acq: 14 Feb 2018 17:37

Tgt Ion:240 Resp: 345905
Ion Ratio Lower Upper
240 100
120 4.0 6.8 10.2#
236 24.3 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





#76

Benzidine

Concen: 2.96 ng

RT: 20.57 min Scan# 2942

Delta R.T. 0.35 min

Lab File: BG032685.D

Acq: 14 Feb 2018 17:37

Instrument :

BNA_G

ClientSampleId :

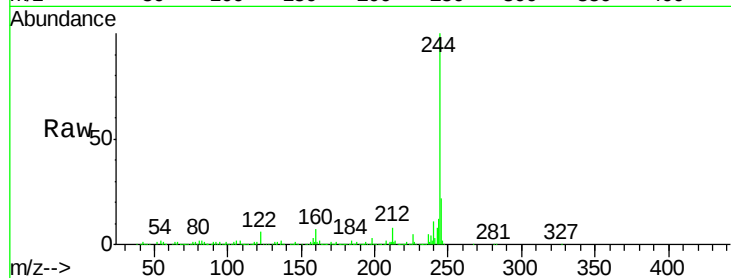
Tot Ion:184 Resp: 24102

Ion Ratio Lower Upper

184 100

185 16.9 11.1 16.7#

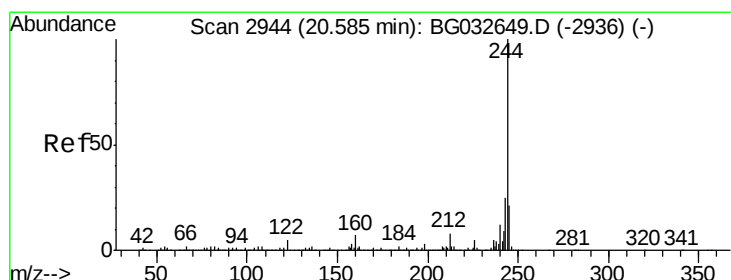
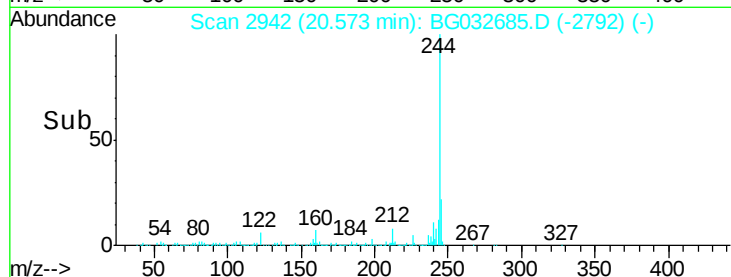
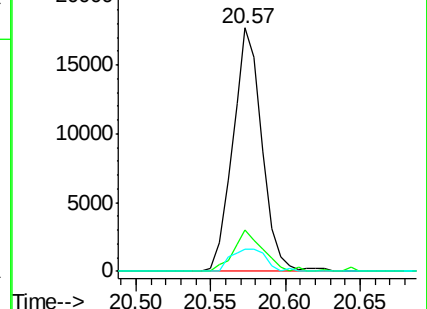
183 9.1 10.6 16.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 104.67 ng

RT: 20.57 min Scan# 2942

Delta R.T. -0.01 min

Lab File: BG032685.D

Acq: 14 Feb 2018 17:37

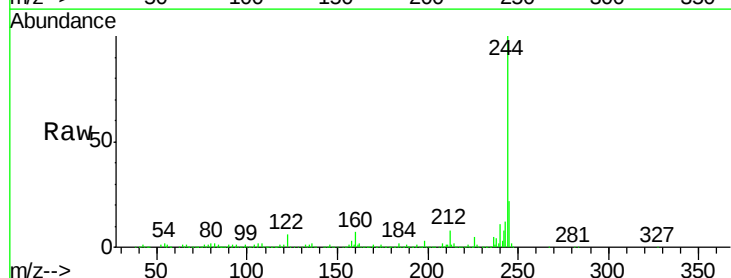
Tgt Ion:244 Resp: 1588528

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

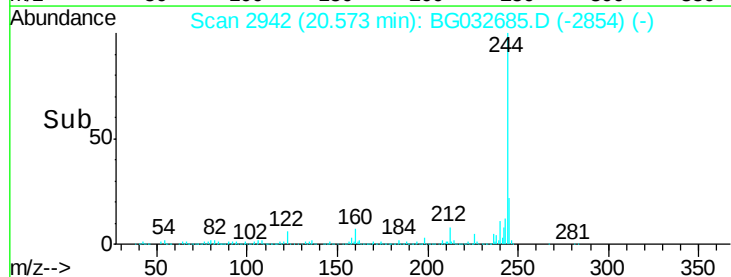
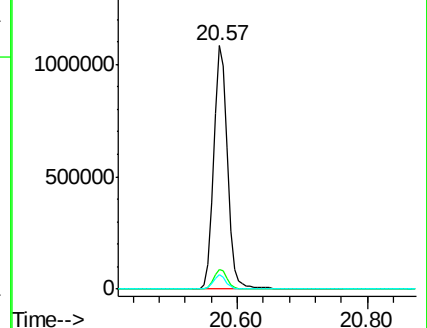
122 5.8 7.0 10.4#

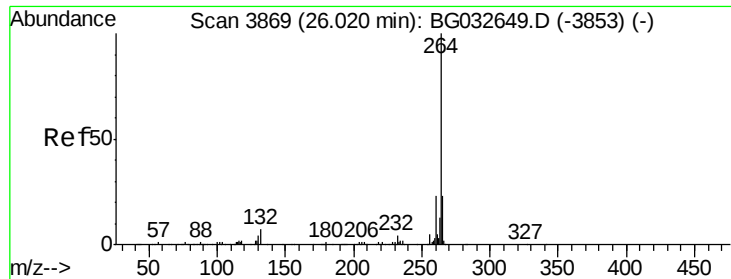


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

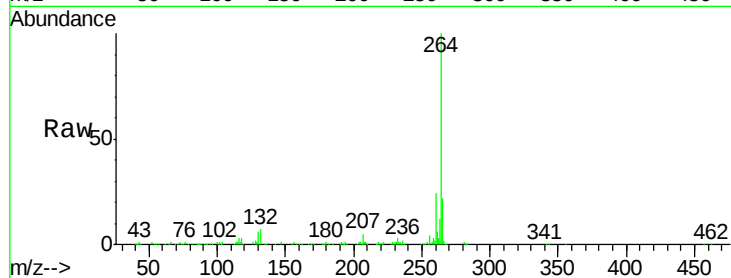




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 25.98 min Scan# 3862
 Delta R.T. -0.04 min
 Lab File: BG032685.D
 Acq: 14 Feb 2018 17:37

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	17.4	26.0
265	22.2	17.7	26.5



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

