

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021418\
 Data File : BG032687.D
 Acq On : 14 Feb 2018 18:53
 Operator : SJ/JU
 Sample : J1540-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

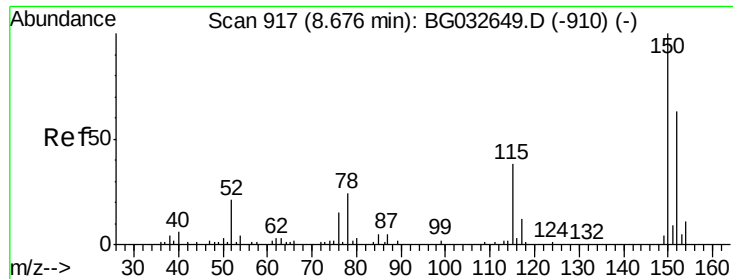
Quant Time: Feb 15 02:53:38 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 12 18:08:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.66	152	18656	20.00	ng	-0.02
21) Naphthalene-d8	11.53	136	87953	20.00	ng	-0.01
38) Acenaphthene-d10	15.29	164	80385	20.00	ng	-0.02
63) Phenanthrene-d10	18.03	188	261692	20.00	ng	-0.01
75) Chrysene-d12	22.35	240	333840	20.00	ng	-0.02
86) Perylene-d12	25.98	264	342860	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.10	112	148754	159.98	ng	-0.01
7) Phenol-d6	7.77	99	191085	150.29	ng	-0.02
23) Nitrobenzene-d5	9.85	82	123054	88.92	ng	-0.02
41) 2,4,6-Tribromophenol	16.77	330	233458	188.61	ng	-0.02
44) 2-Fluorobiphenyl	13.92	172	495571	77.09	ng	-0.02
78) Terphenyl-d14	20.58	244	1247048	85.14	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.80	94	4005	3.24	ng	# 31
15) Benzyl Alcohol	9.00	79	2133	2.24	ng	# 40
19) n-Nitroso-di-n-propylamine	9.85	70	18559	21.71	ng	# 73
49) Dimethylphthalate	14.72	163	41985	6.04	ng	# 96
53) 2,4-Dinitrophenol	15.82	184	62	11.53	ng	# 1
55) 4-Nitrophenol	15.69	139	55	5.54	ng	# 1
56) 2,4-Dinitrotoluene	15.29	165	10068	5.11	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.77	198	666	5.34	ng	# 1
66) 4-Bromophenyl-phenylether	16.77	248	21245	5.67	ng	# 1
76) Benzidine	20.58	184	19444	2.47	ng	# 95

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

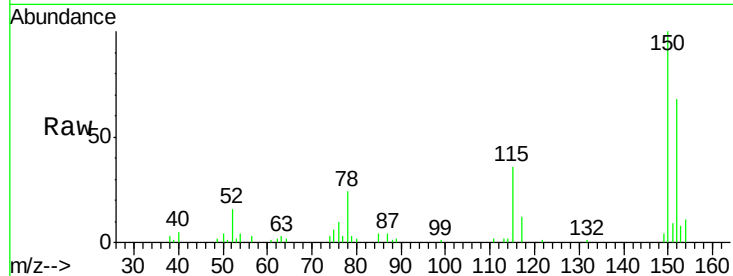


#1

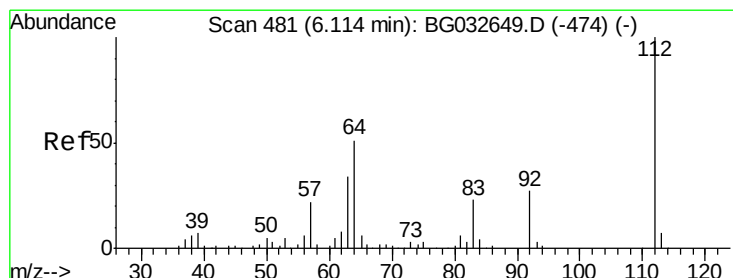
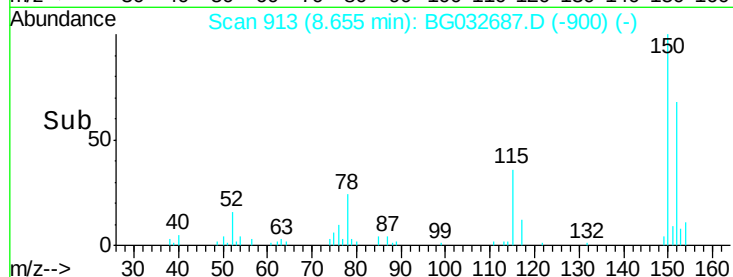
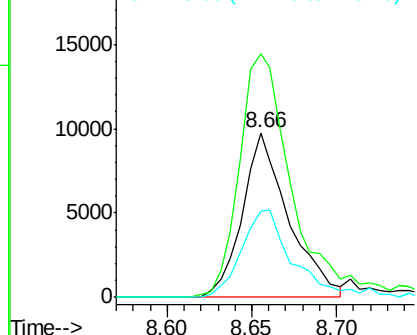
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.66 min Scan# 913
Delta R.T. -0.02 min
Lab File: BG032687.D
Acq: 14 Feb 2018 18:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.7	126.6	189.8
115	52.5	53.0	79.4



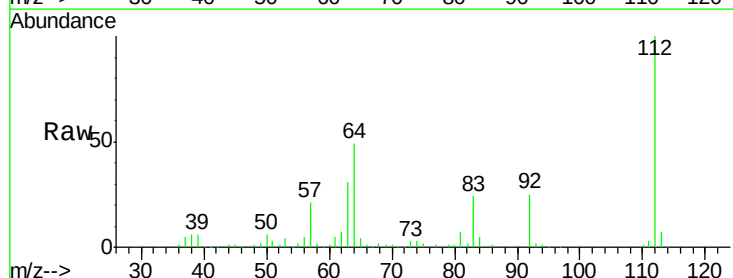
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



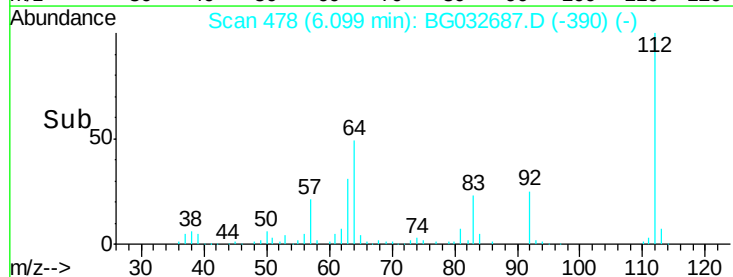
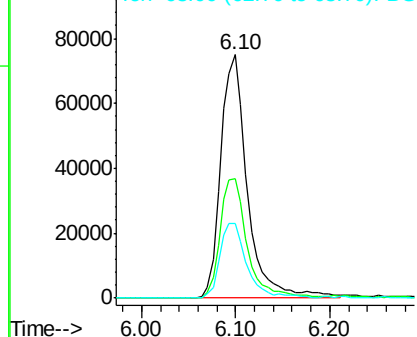
#5

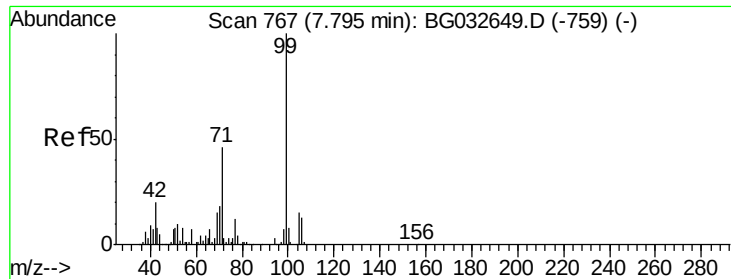
2-Fluorophenol
Concen: 159.98 ng
RT: 6.10 min Scan# 478
Delta R.T. -0.01 min
Lab File: BG032687.D
Acq: 14 Feb 2018 18:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.2	56.3	84.5
63	30.5	30.1	45.1



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





#7

Phenol-d6

Concen: 150.29 ng

RT: 7.77 min Scan# 763

Delta R.T. -0.02 min

Lab File: BG032687.D

Acq: 14 Feb 2018 18:53

Instrument :

BNA_G

ClientSampled :

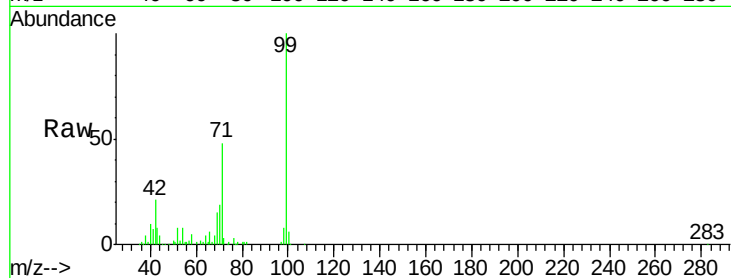
Tot Ion: 99 Resp: 191085

Ion Ratio Lower Upper

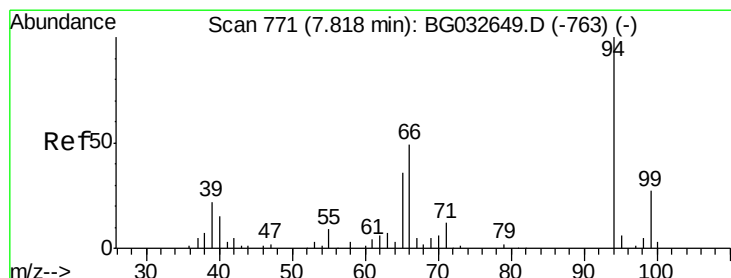
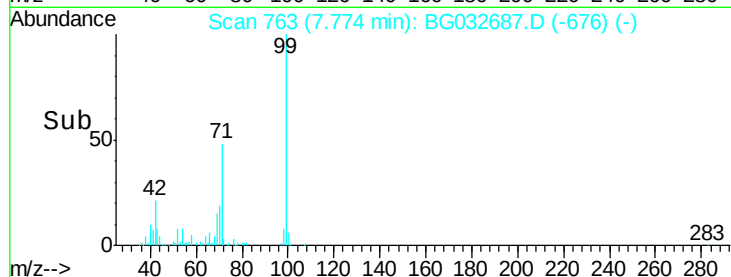
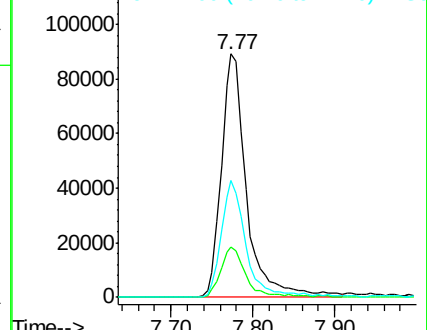
99 100

42 20.5 14.1 21.1

71 47.9 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: 3.24 ng

RT: 7.80 min Scan# 768

Delta R.T. -0.01 min

Lab File: BG032687.D

Acq: 14 Feb 2018 18:53

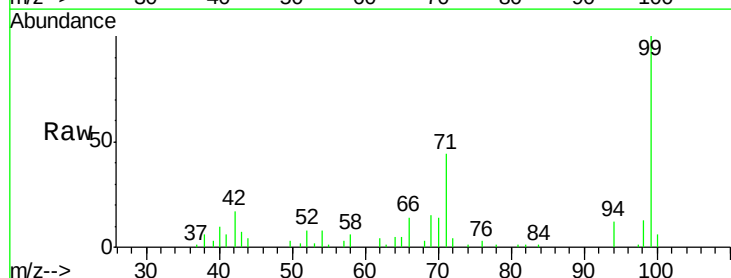
Tgt Ion: 94 Resp: 4005

Ion Ratio Lower Upper

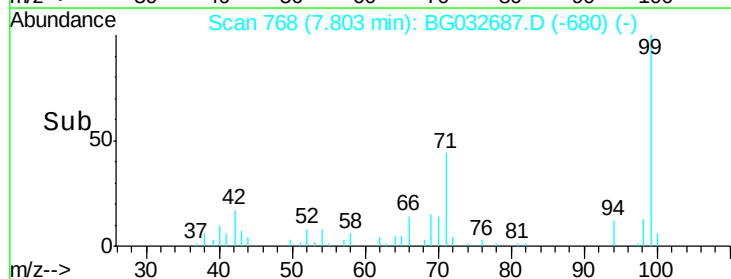
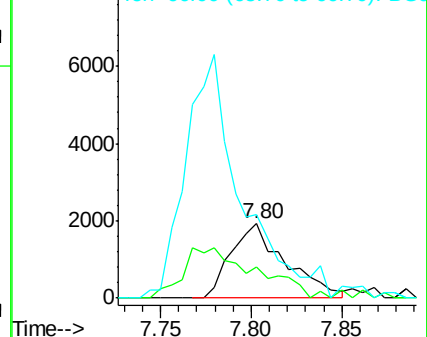
94 100

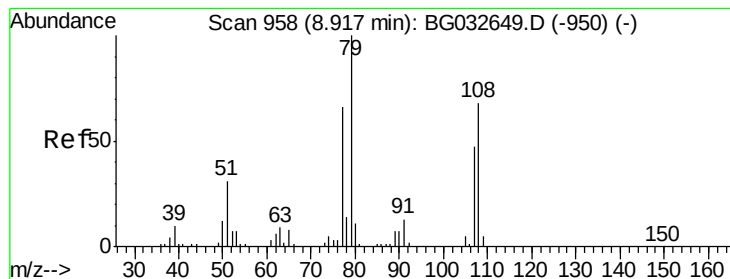
65 41.0 11.9 51.9

66 111.6 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: 2.24 ng

RT: 9.00 min Scan# 971

Delta R.T. 0.08 min

Lab File: BG032687.D

Acq: 14 Feb 2018 18:53

Instrument :

BNA_G

ClientSampled :

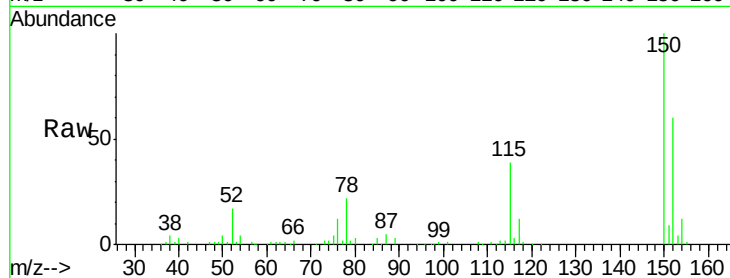
Tot Ion: 79 Resp: 2133

Ion Ratio Lower Upper

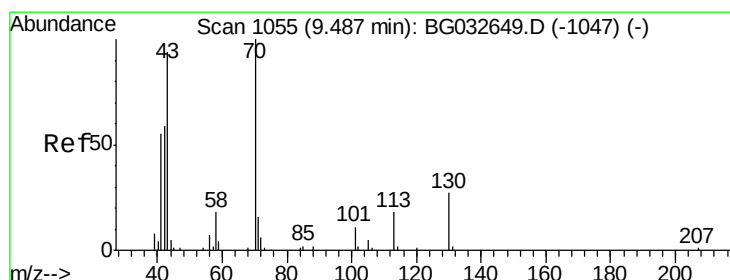
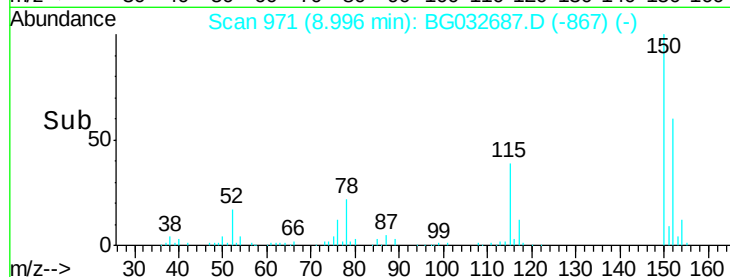
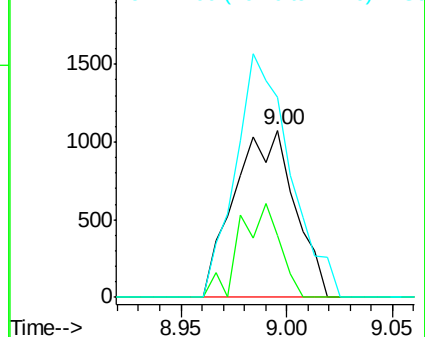
79 100

108 36.9 57.2 85.8#

77 119.4 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 21.71 ng

RT: 9.85 min Scan# 1116

Delta R.T. 0.36 min

Lab File: BG032687.D

Acq: 14 Feb 2018 18:53

Tgt Ion: 70 Resp: 18559

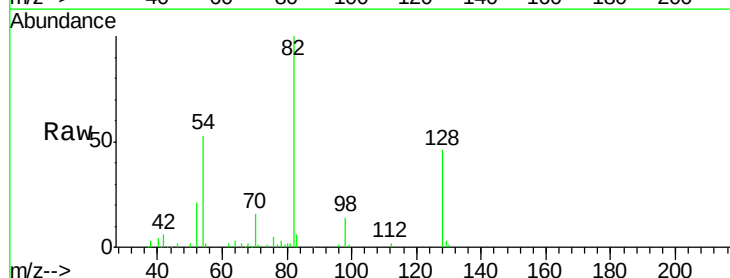
Ion Ratio Lower Upper

70 100

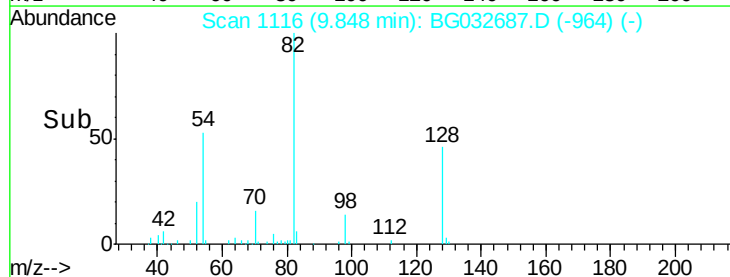
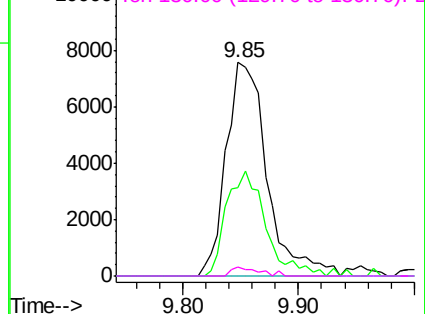
42 41.2 49.1 73.7#

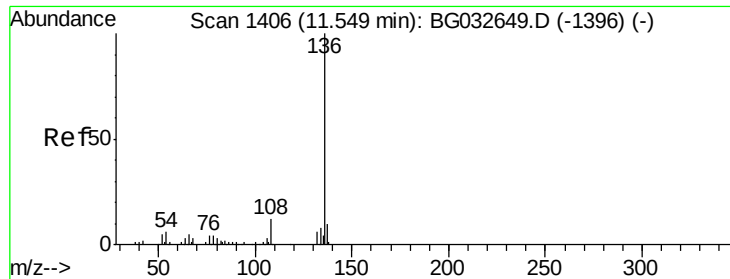
101 0.0 8.5 12.7#

130 4.1 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

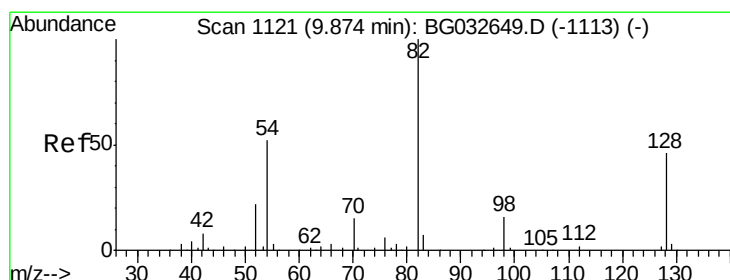
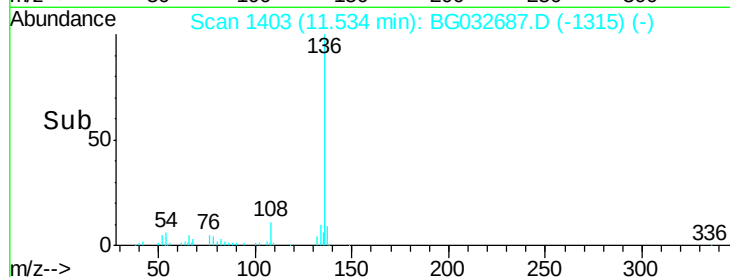
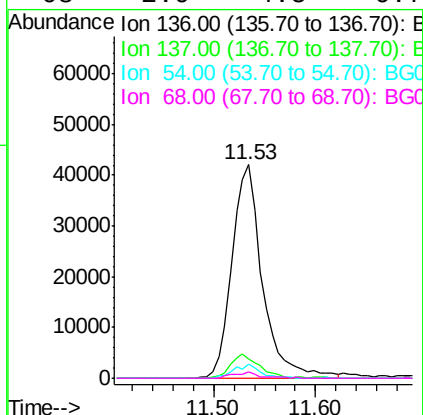
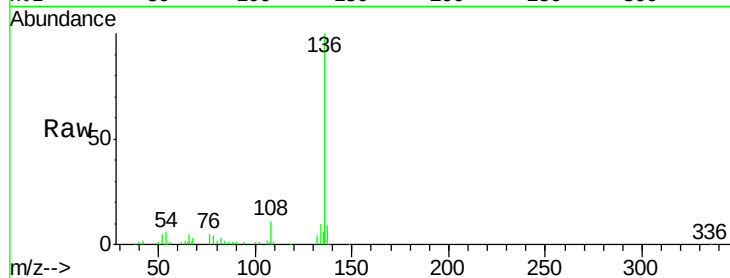




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.53 min Scan# 1403
Delta R.T. -0.01 min
Lab File: BG032687.D
Acq: 14 Feb 2018 18:53

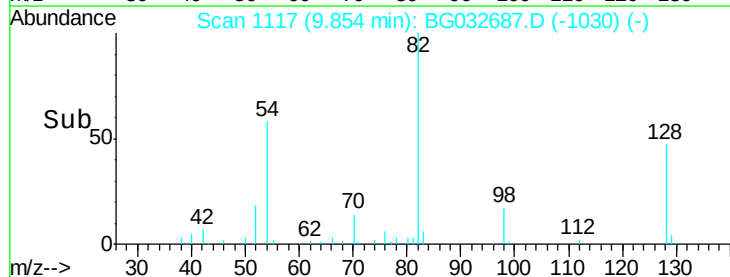
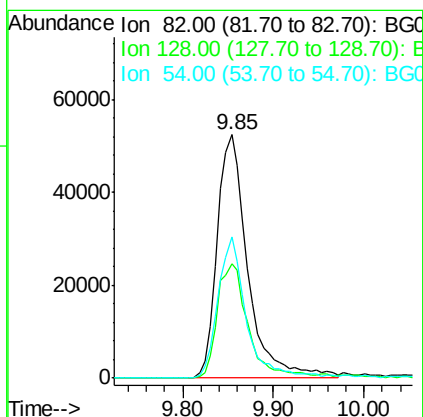
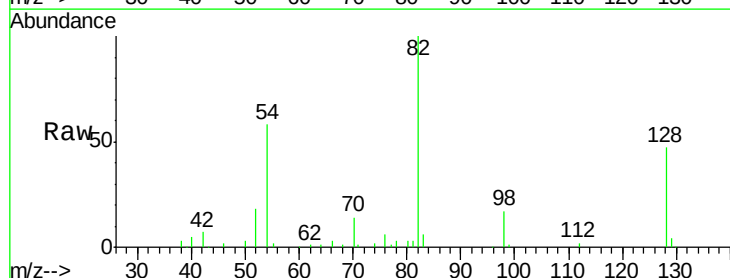
Instrument :
BNA_G
ClientSampleId :

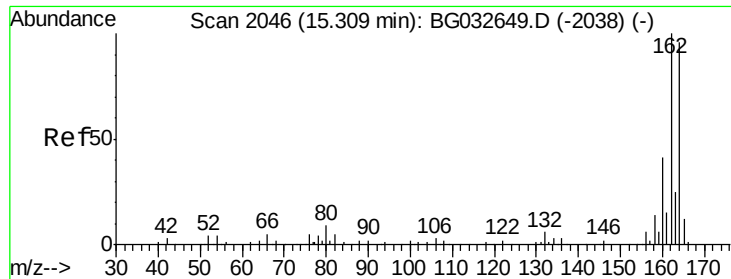
Tot Ion:136	Resp:	87953	
Ion Ratio	Lower	Upper	
136 100			
137 9.2	9.2	13.8#	
54 6.7	10.3	15.5#	
68 2.9	4.5	6.7#	



#23
Nitrobenzene-d5
Concen: 88.92 ng
RT: 9.85 min Scan# 1117
Delta R.T. -0.02 min
Lab File: BG032687.D
Acq: 14 Feb 2018 18:53

Tgt Ion: 82	Resp: 123054
Ion Ratio	Lower Upper
82 100	
128 46.9	29.7 44.5#
54 58.1	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: BG032687.D

Acq: 14 Feb 2018 18:53

Instrument :

BNA_G

ClientSampleId :

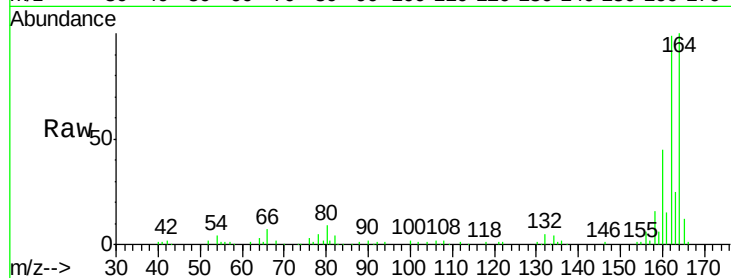
Tot Ion:164 Resp: 80385

Ion Ratio Lower Upper

164 100

162 98.8 78.8 118.2

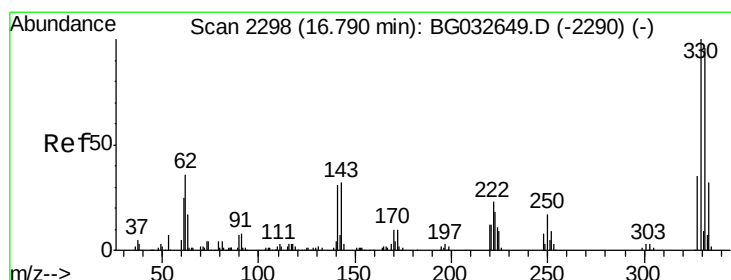
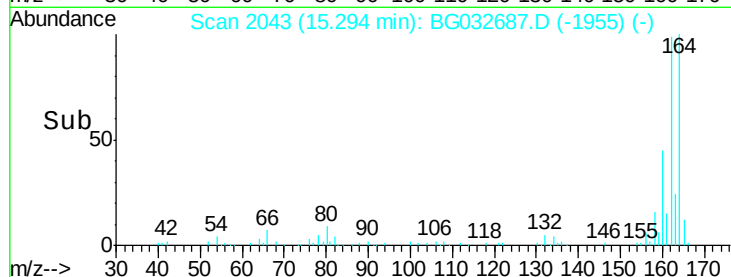
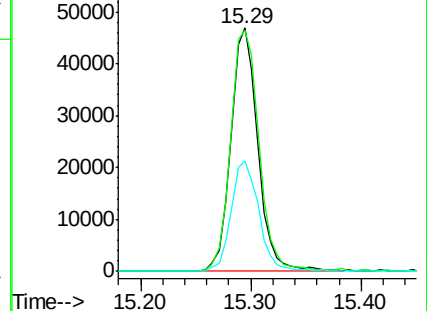
160 45.4 35.4 53.0



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: 188.61 ng

RT: 16.77 min Scan# 2295

Delta R.T. -0.02 min

Lab File: BG032687.D

Acq: 14 Feb 2018 18:53

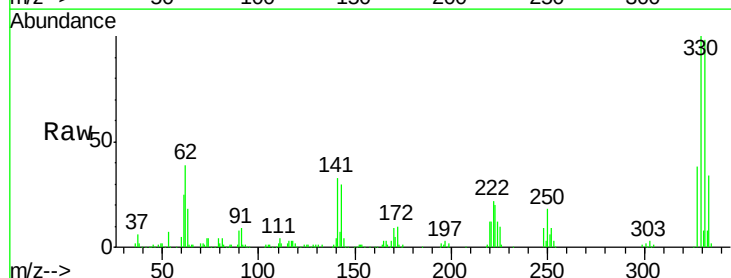
Tgt Ion:330 Resp: 233458

Ion Ratio Lower Upper

330 100

332 97.5 77.0 115.6

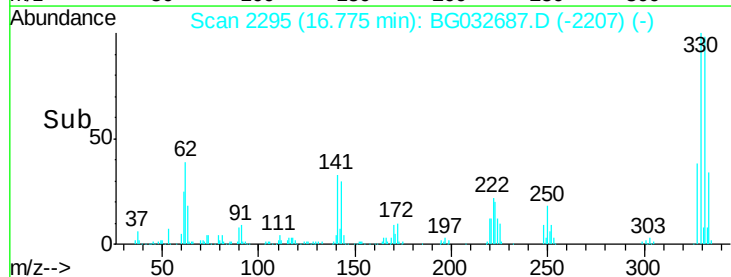
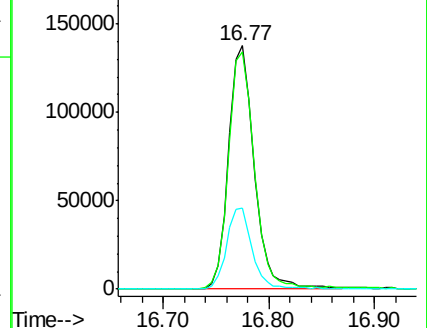
141 33.3 25.2 37.8

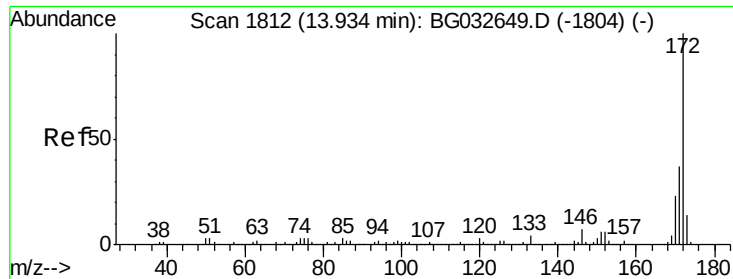


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

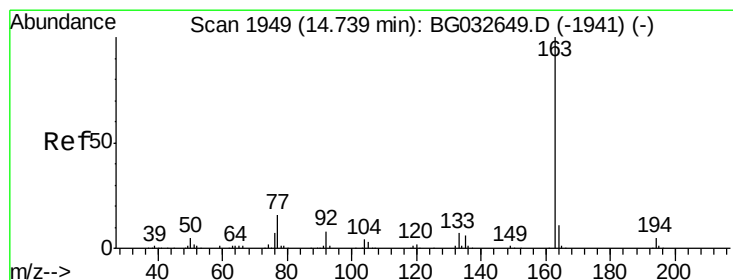
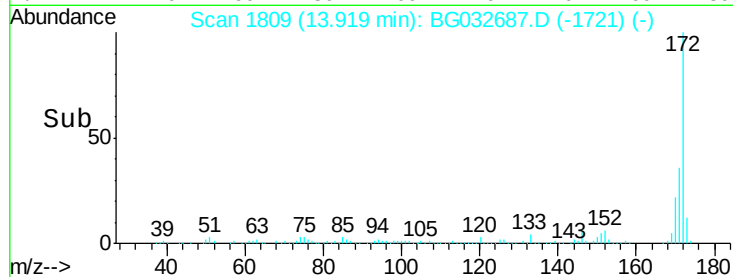
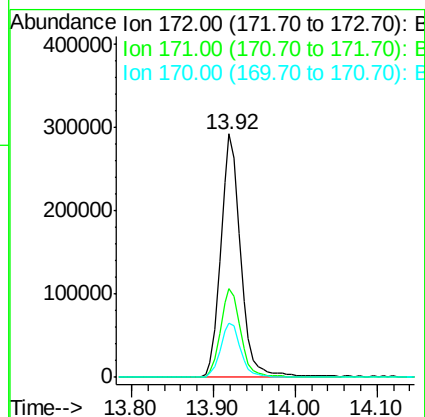
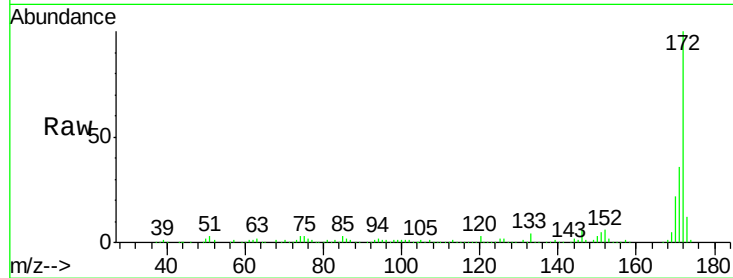




#44
2-Fluorobiphenyl
Concen: 77.09 ng
RT: 13.92 min Scan# 1809
Delta R.T. -0.02 min
Lab File: BG032687.D
Acq: 14 Feb 2018 18:53

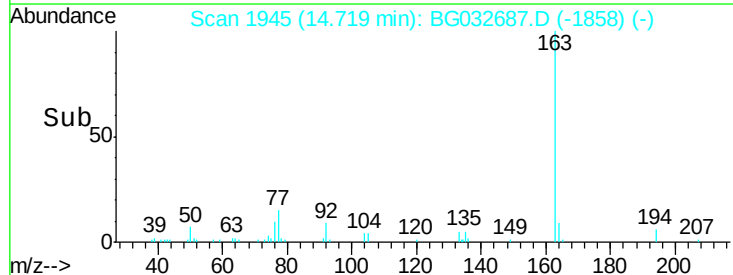
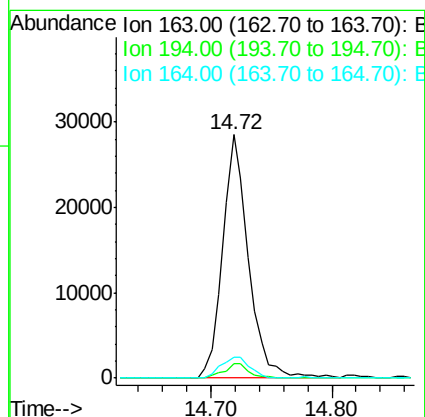
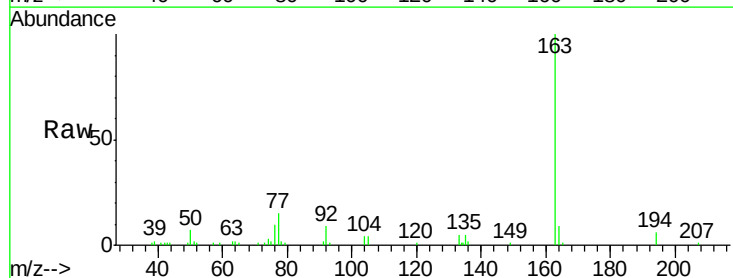
Instrument :
BNA_G
ClientSampleId :

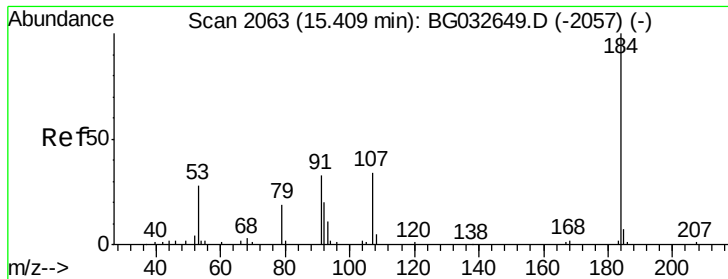
Tot Ion:172 Resp: 495571
Ion Ratio Lower Upper
172 100
171 36.3 30.0 45.0
170 22.1 19.5 29.3



#49
Dimethylphthalate
Concen: 6.04 ng
RT: 14.72 min Scan# 1945
Delta R.T. -0.02 min
Lab File: BG032687.D
Acq: 14 Feb 2018 18:53

Tgt Ion:163 Resp: 41985
Ion Ratio Lower Upper
163 100
194 6.0 3.4 5.2#
164 8.8 8.2 12.4

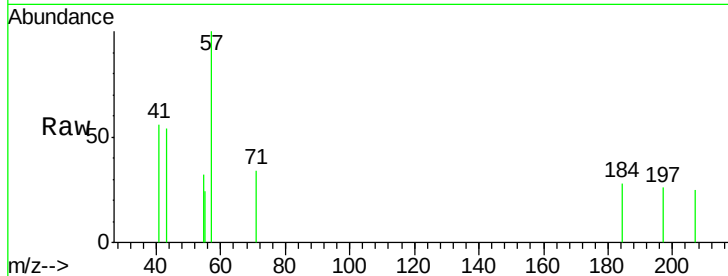




#53
2,4-Dinitrophenol
Concen: 11.53 ng
RT: 15.82 min Scan# 2132
Delta R.T. 0.41 min
Lab File: BG032687.D
Acq: 14 Feb 2018 18:53

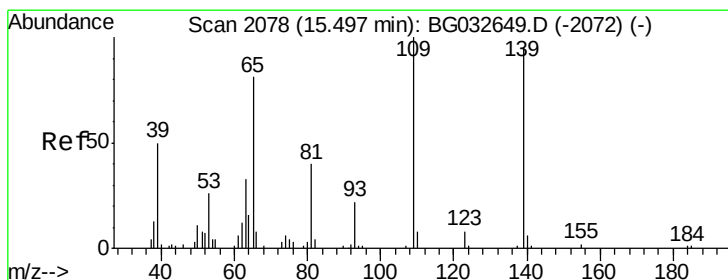
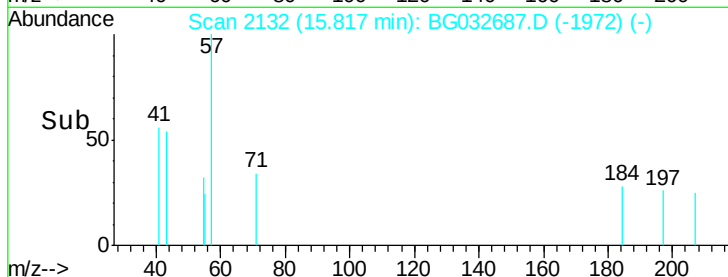
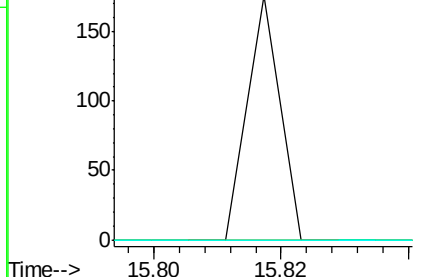
Instrument :
BNA_G
ClientSampleId :

Tot Ion:184 Resp: 62
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#



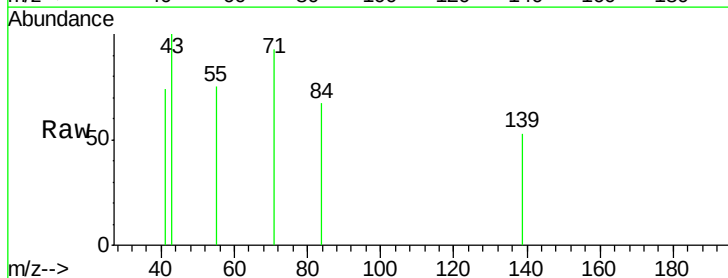
Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

15.82



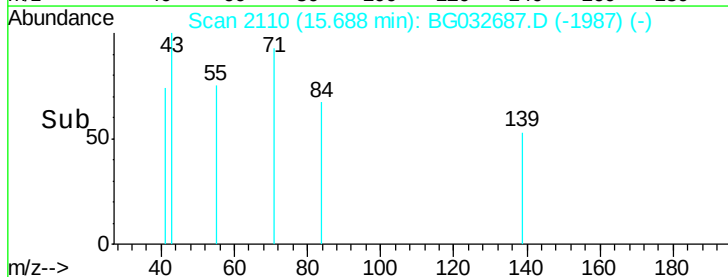
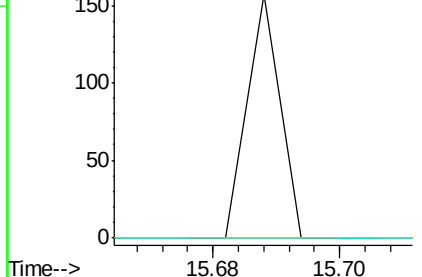
#55
4-Nitrophenol
Concen: 5.54 ng
RT: 15.69 min Scan# 2110
Delta R.T. 0.19 min
Lab File: BG032687.D
Acq: 14 Feb 2018 18:53

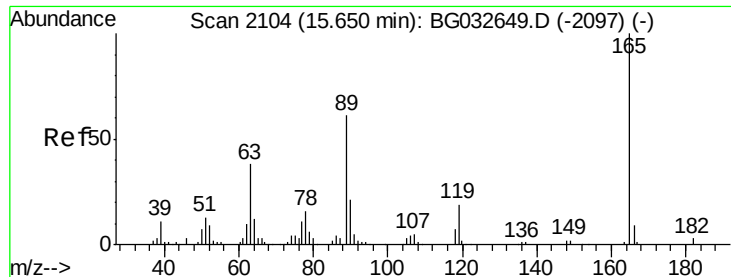
Tgt Ion:139 Resp: 55
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#



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): BGC

15.69

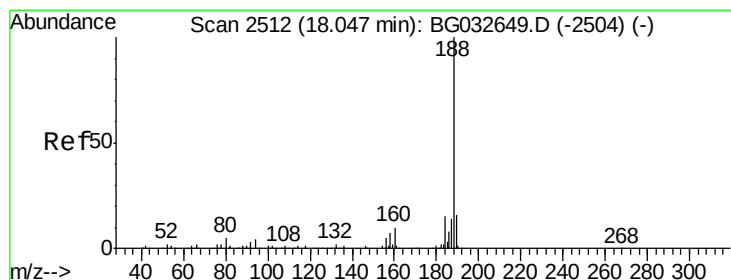
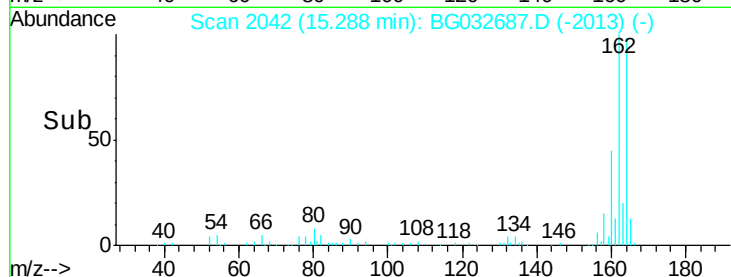
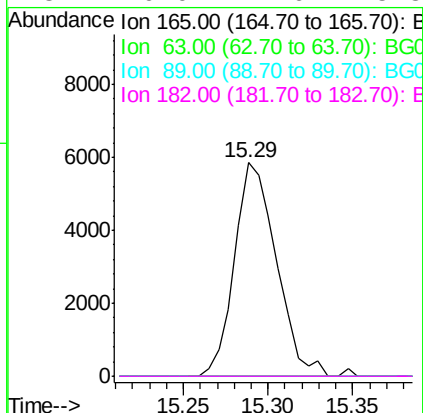
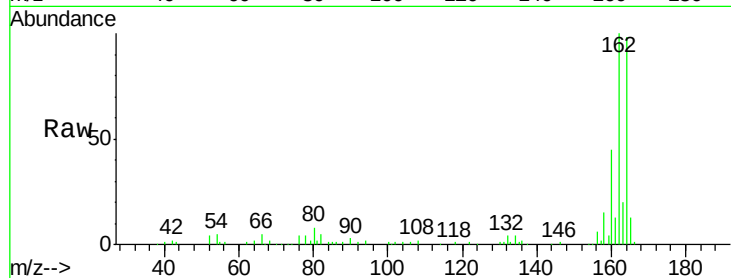




#56
 2,4-Dinitrotoluene
 Concen: 5.11 ng
 RT: 15.29 min Scan# 2042
 Delta R.T. -0.36 min
 Lab File: BG032687.D
 Acq: 14 Feb 2018 18:53

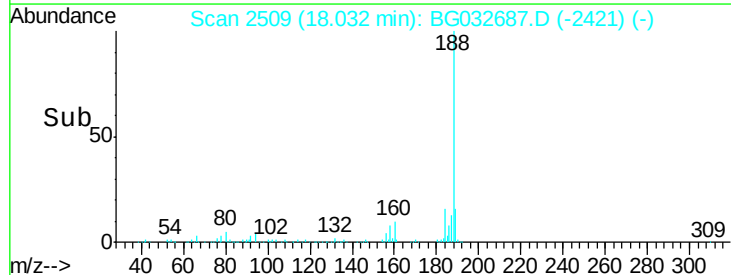
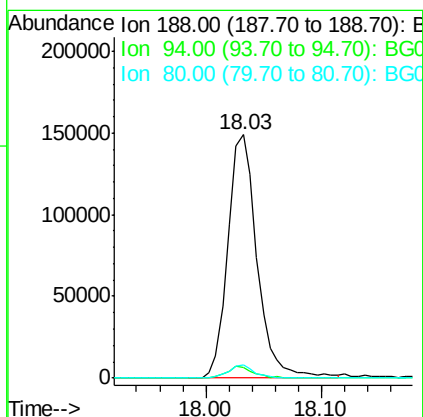
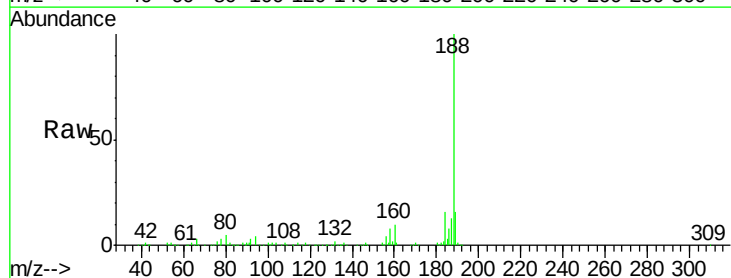
Instrument :
 BNA_G
 ClientSampleId :

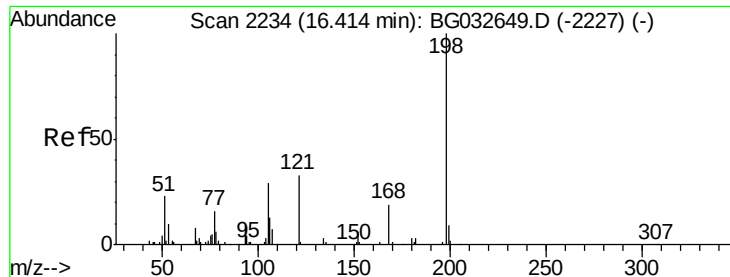
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 18.03 min Scan# 2509
 Delta R.T. -0.01 min
 Lab File: BG032687.D
 Acq: 14 Feb 2018 18:53

Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.5	6.9	10.3#
80	5.3	7.7	11.5#

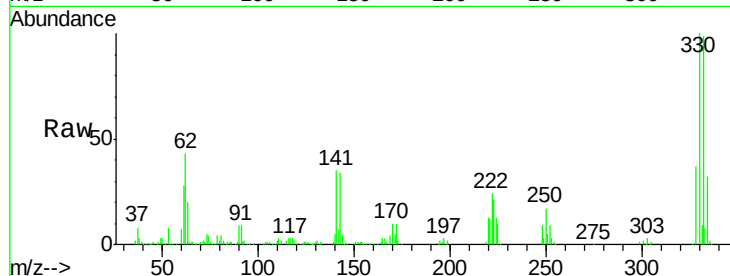




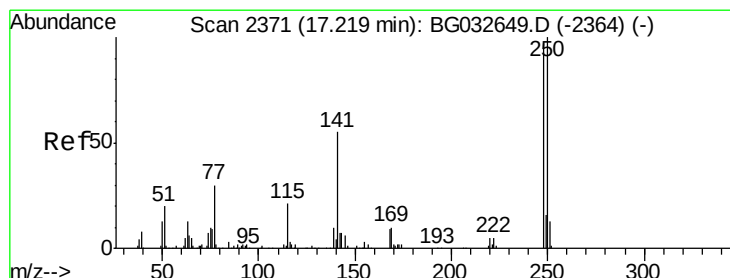
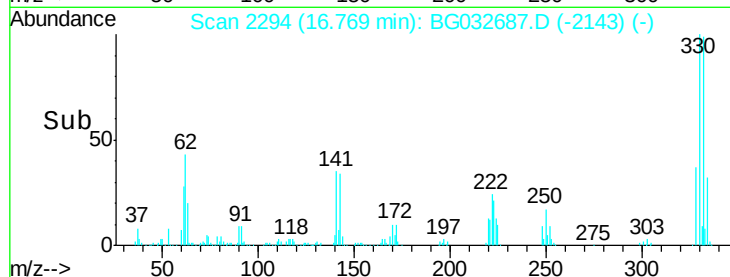
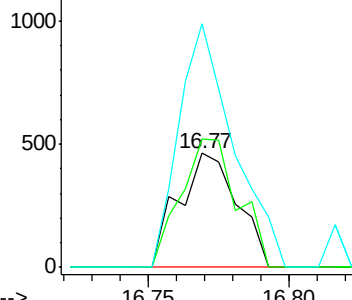
#64
4,6-Dinitro-2-methylphenol
Concen: 5.34 ng
RT: 16.77 min Scan# 2294
Delta R.T. 0.36 min
Lab File: BG032687.D
Acq: 14 Feb 2018 18:53

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
198	100		
51	112.3	30.6	70.6#
105	213.6	23.8	63.8#

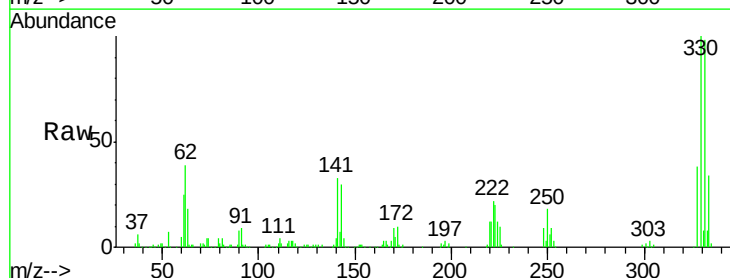


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

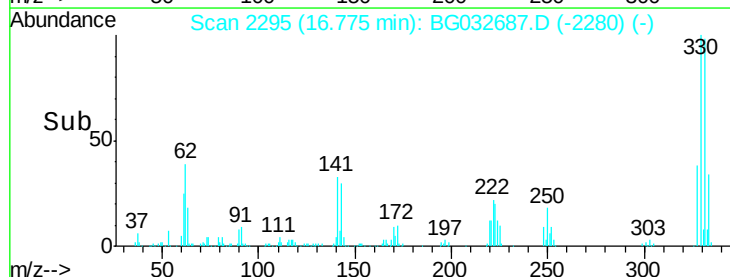
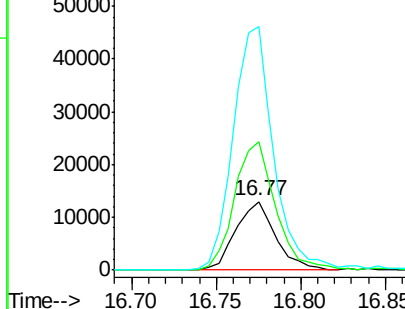


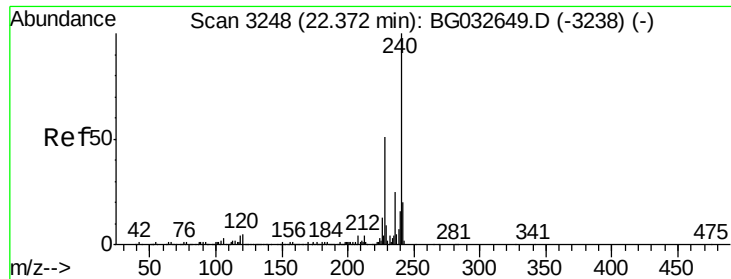
#66
4-Bromophenyl-phenylether
Concen: 5.67 ng
RT: 16.77 min Scan# 2295
Delta R.T. -0.44 min
Lab File: BG032687.D
Acq: 14 Feb 2018 18:53

Tgt Ion	Ratio	Lower	Upper
248	100		
250	187.1	77.1	115.7#
141	356.3	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# 3244

Delta R.T. -0.02 min

Lab File: BG032687.D

Acq: 14 Feb 2018 18:53

Instrument :

BNA_G

ClientSampleId :

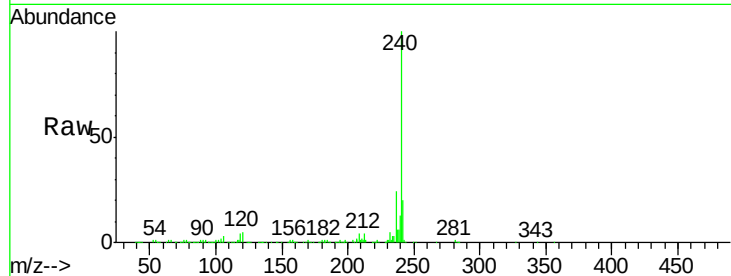
Tot Ion:240 Resp: 333840

Ion Ratio Lower Upper

240 100

120 4.7 6.8 10.2#

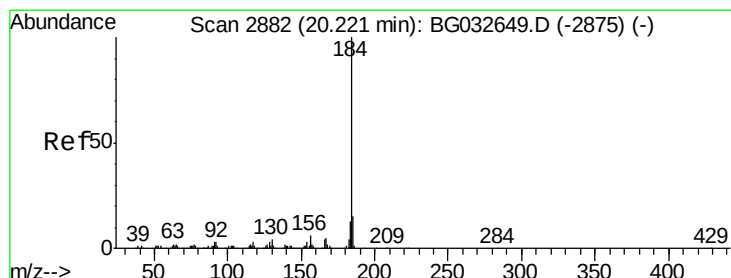
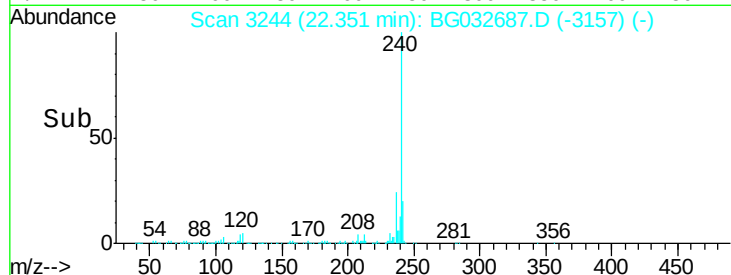
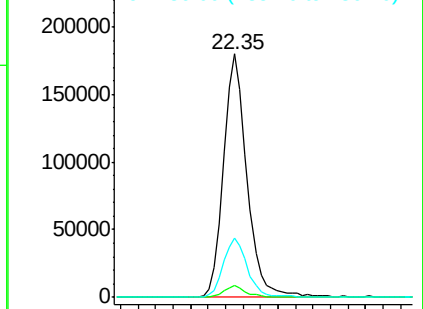
236 24.2 20.9 31.3



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



#76

Benzidine

Concen: 2.47 ng

RT: 20.58 min Scan# 2942

Delta R.T. 0.36 min

Lab File: BG032687.D

Acq: 14 Feb 2018 18:53

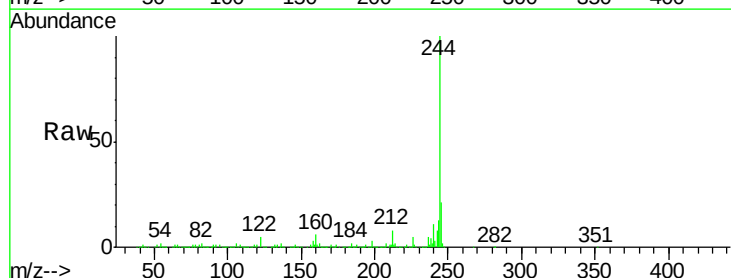
Tgt Ion:184 Resp: 19444

Ion Ratio Lower Upper

184 100

185 14.3 11.1 16.7

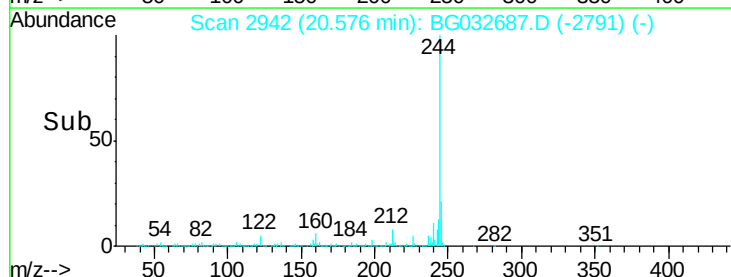
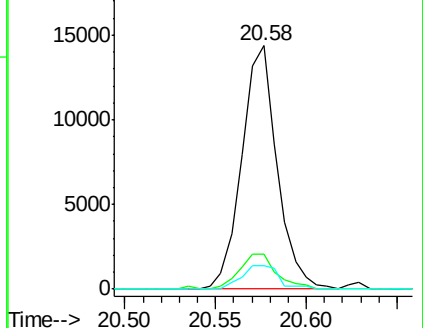
183 9.8 10.6 16.0#

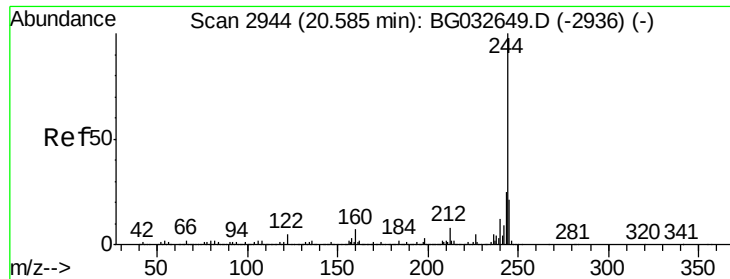


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 85.14 ng

RT: 20.58 min Scan# 2942

Delta R.T. -0.01 min

Lab File: BG032687.D

Acq: 14 Feb 2018 18:53

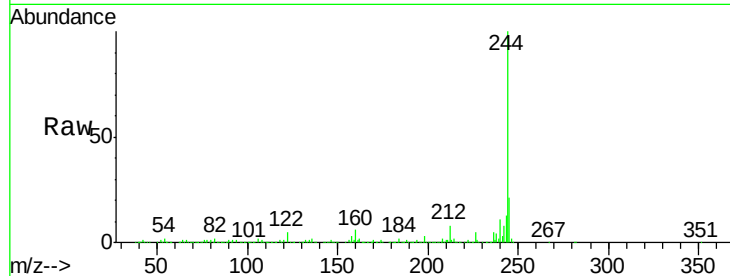
Instrument :

BNA_G

ClientSampled :

Tot Ion:244 Resp: 1247048

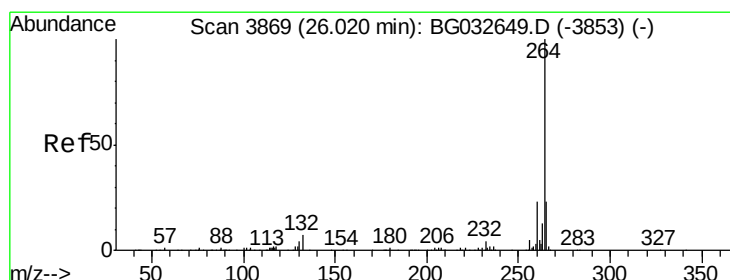
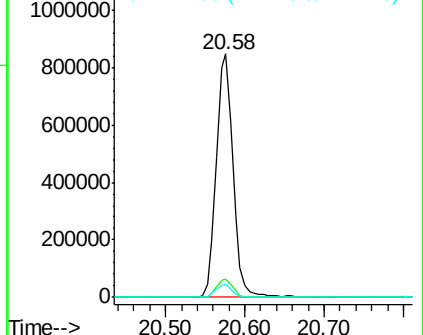
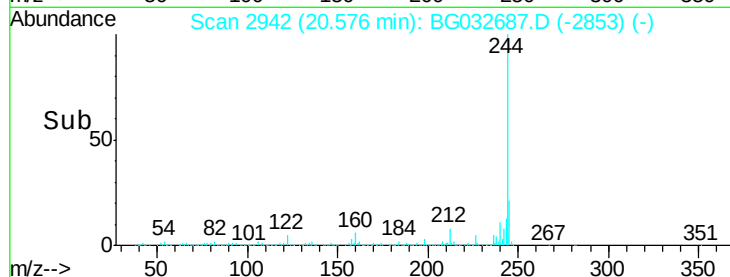
Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.8	8.8
122	5.3	7.0	10.4



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

Perylene-d12

Concen: 20.00 ng

RT: 25.98 min Scan# 3862

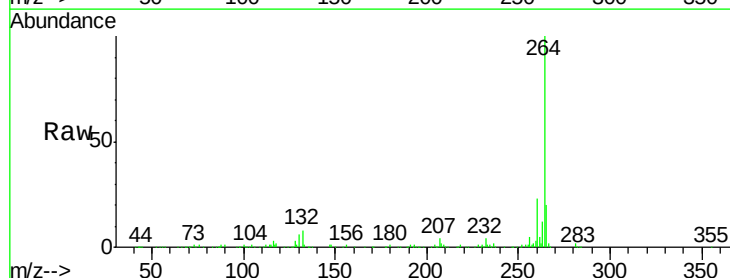
Delta R.T. -0.04 min

Lab File: BG032687.D

Acq: 14 Feb 2018 18:53

Tgt Ion:264 Resp: 342860

Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.4	26.0
265	20.4	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

