

Data Path : U:\HPCHEM1\BNA G\DATA\BG011818\
 Data File : BG032141.D
 Acq On : 18 Jan 2018 18:16
 Operator : SJ/JU
 Sample : PB105758BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 19 00:29:41 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 18 10:13:16 2018
 Response via : Initial Calibration

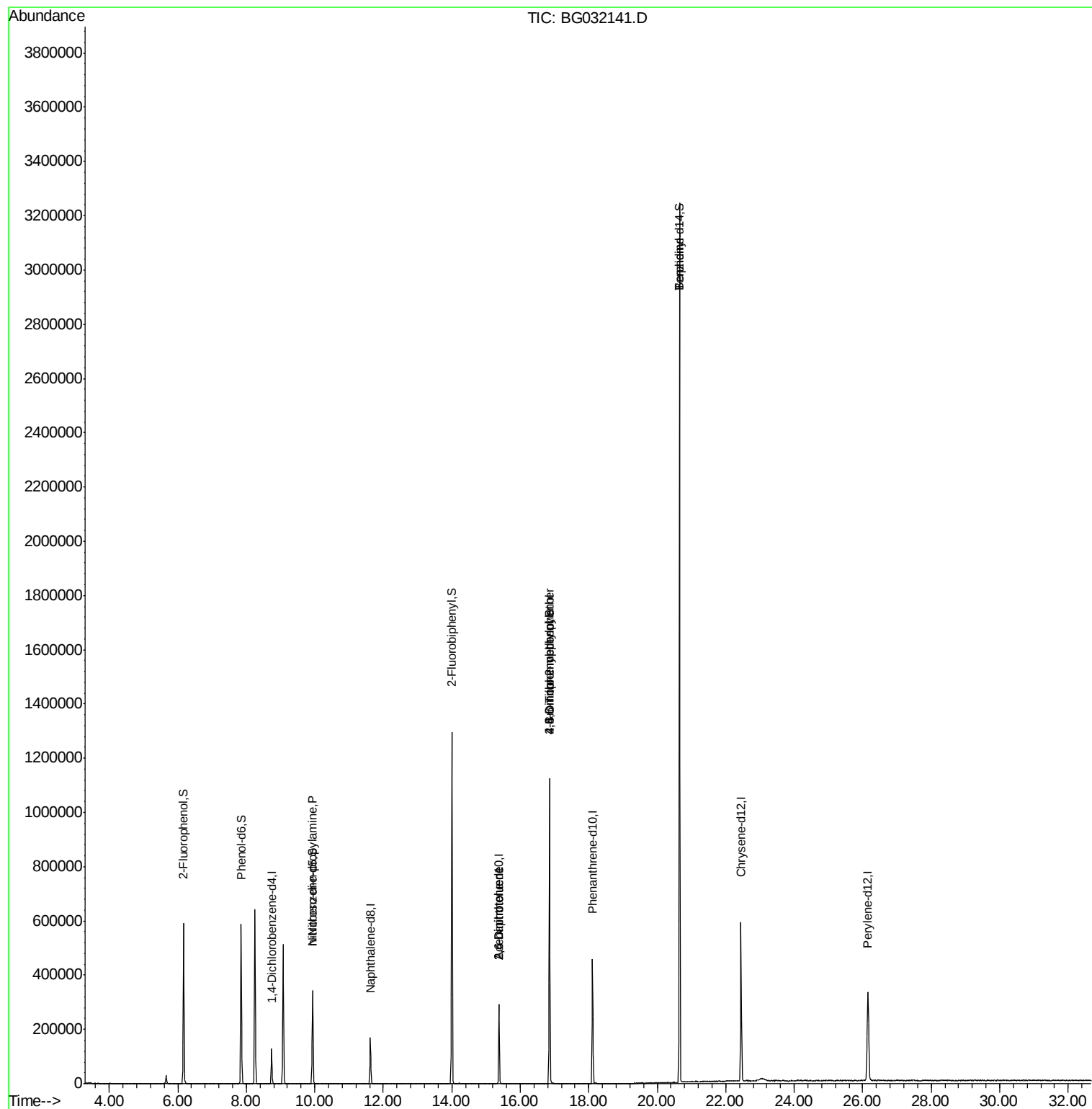
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	42643	20.00	ng	0.00
21) Naphthalene-d8	11.63	136	167500	20.00	ng	0.00
38) Acenaphthene-d10	15.38	164	111043	20.00	ng	0.00
63) Phenanthrene-d10	18.11	188	310852	20.00	ng	0.00
75) Chrysene-d12	22.45	240	444861	20.00	ng	0.00
86) Perylene-d12	26.15	264	452778	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.17	112	307139	131.73	ng	0.00
7) Phenol-d6	7.85	99	370926	126.32	ng	0.00
23) Nitrobenzene-d5	9.94	82	220763	89.17	ng	0.00
41) 2,4,6-Tribromophenol	16.85	330	253503	137.96	ng	0.00
44) 2-Fluorobiphenyl	14.01	172	764834	85.40	ng	0.00
78) Terphenyl-d14	20.65	244	1694392	84.10	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.94	70	29221	16.038	ng	# 72
50) 2,6-Dinitrotoluene	15.37	165	14191	7.036	ng	# 21
56) 2,4-Dinitrotoluene	15.37	165	14191	5.226	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.85	198	760	5.227	ng	# 48
66) 4-Bromophenyl-phenylether	16.85	248	21273	4.810	ng	# 1
76) Benzidine	20.65	184	24195	2.175	ng	# 91

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.74 min Scan# 928

Delta R.T. -0.00 min

Lab File: BG032141.D

Acq: 18 Jan 2018 18:16

Instrument :

BNA_G

ClientSampleId :

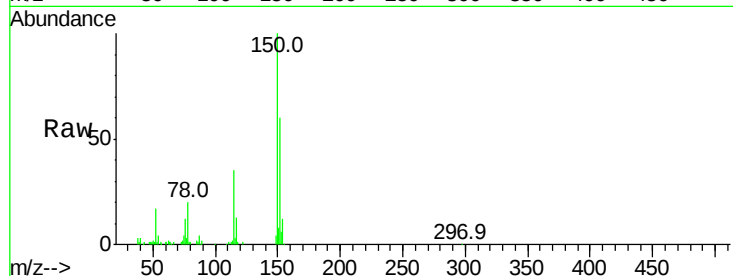
Tot Ion:152 Resp: 42643

Ion Ratio Lower Upper

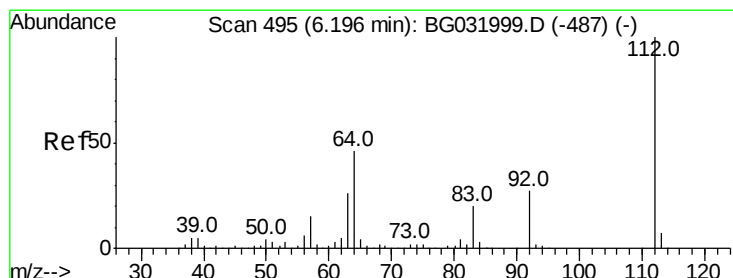
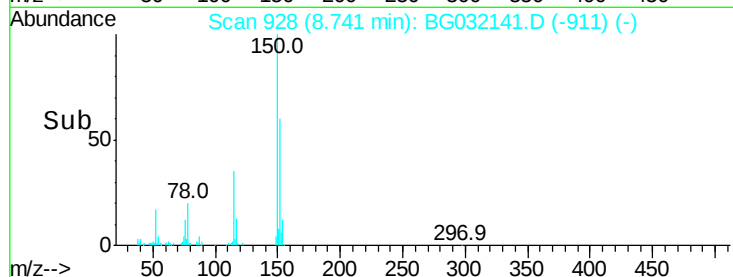
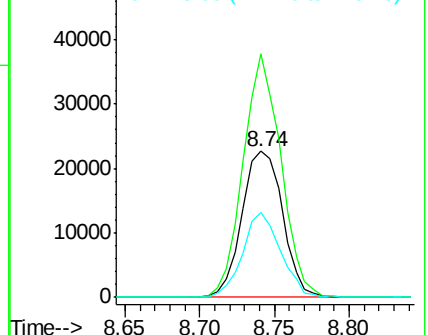
152 100

150 166.7 126.6 189.8

115 58.0 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: 131.730 ng

RT: 6.17 min Scan# 490

Delta R.T. -0.00 min

Lab File: BG032141.D

Acq: 18 Jan 2018 18:16

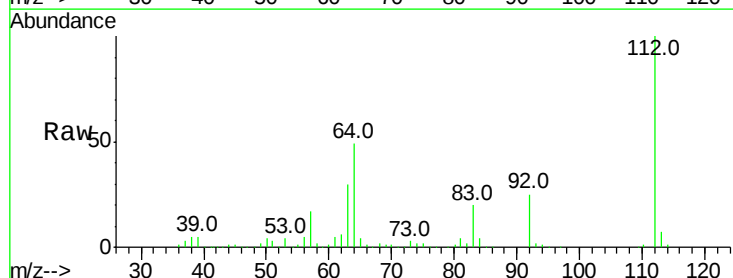
Tgt Ion:112 Resp: 307139

Ion Ratio Lower Upper

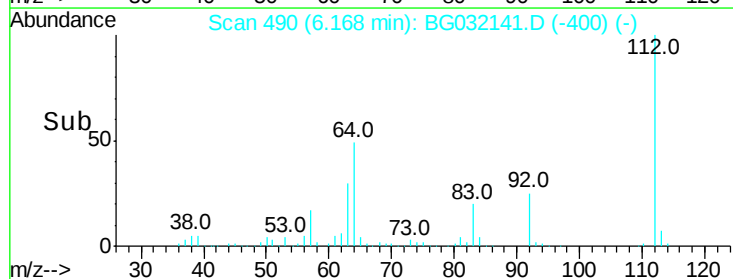
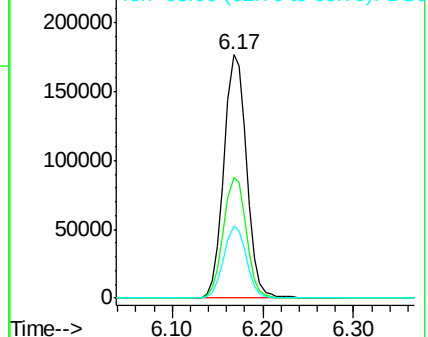
112 100

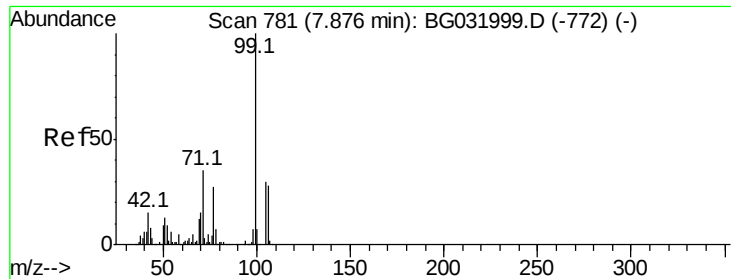
64 49.4 56.3 84.5#

63 29.5 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: 126.317 ng

RT: 7.85 min Scan# 776

Delta R.T. -0.00 min

Lab File: BG032141.D

Acq: 18 Jan 2018 18:16

Instrument :

BNA_G

ClientSampleId :

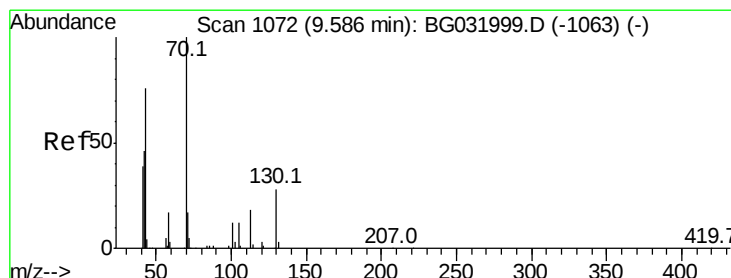
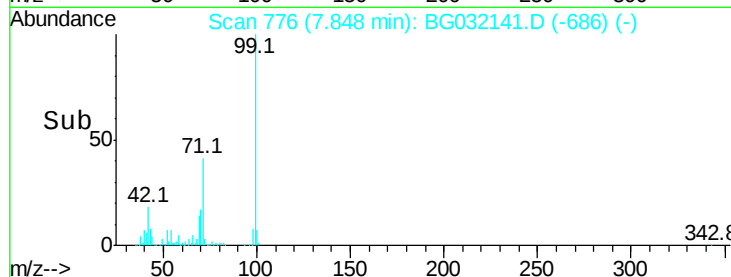
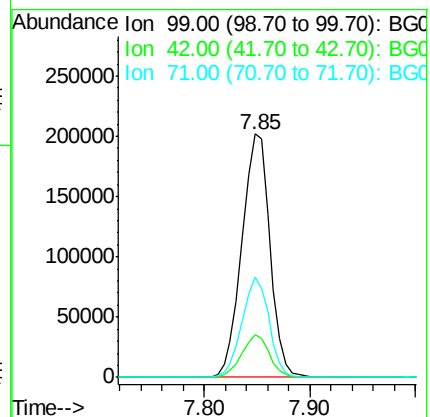
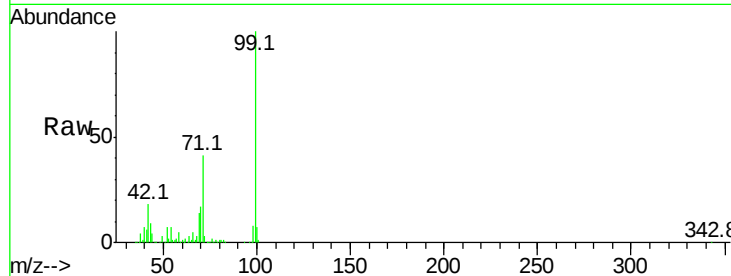
Tot Ion: 99 Resp: 370926

Ion Ratio Lower Upper

99 100

42 17.6 14.1 21.1

71 41.4 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 16.038 ng

RT: 9.94 min Scan# 1132

Delta R.T. 0.38 min

Lab File: BG032141.D

Acq: 18 Jan 2018 18:16

Tgt Ion: 70 Resp: 29221

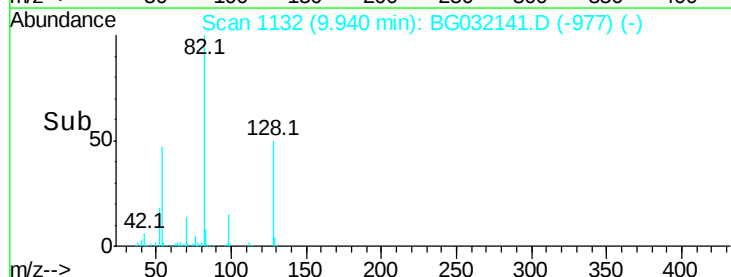
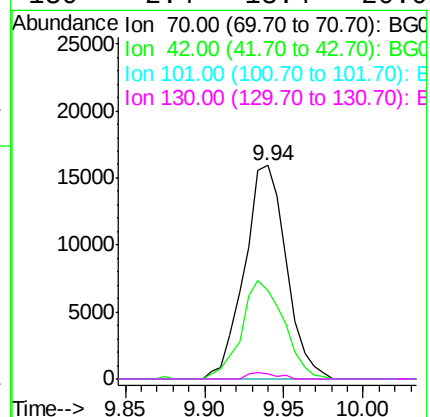
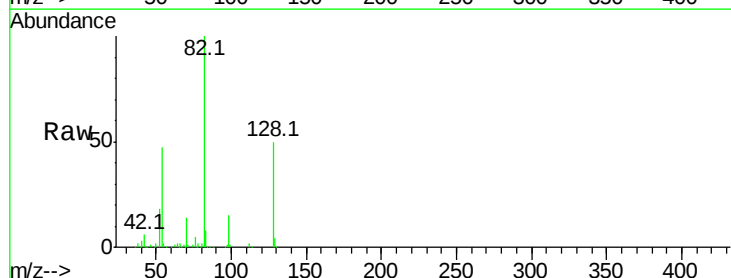
Ion Ratio Lower Upper

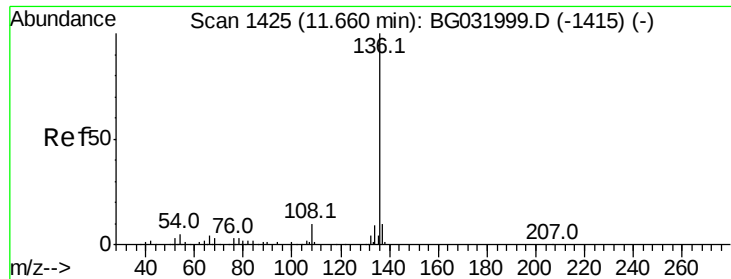
70 100

42 41.2 49.1 73.7#

101 0.0 8.5 12.7#

130 2.4 13.4 20.0#

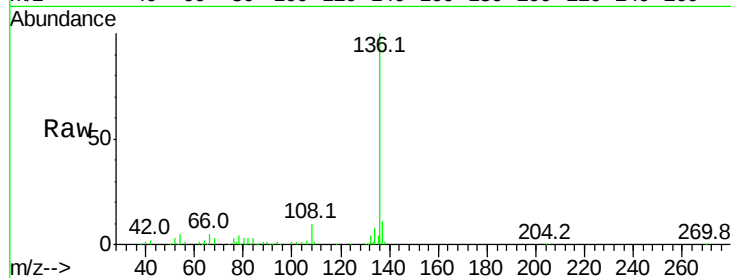




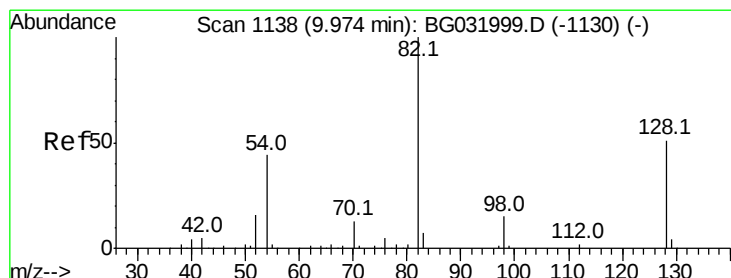
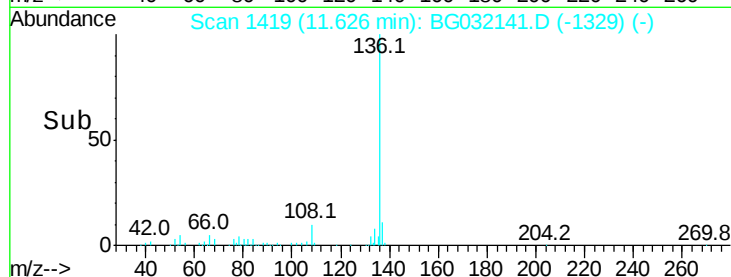
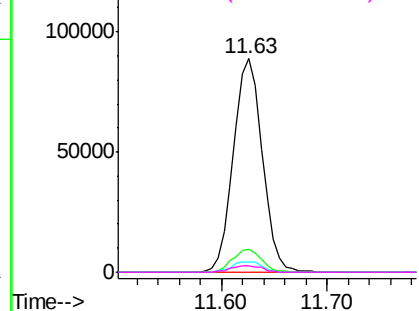
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.63 min Scan# 1419
Delta R.T. -0.00 min
Lab File: BG032141.D
Acq: 18 Jan 2018 18:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136 Resp: 167500
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 4.5 10.3 15.5#
68 3.3 4.5 6.7#

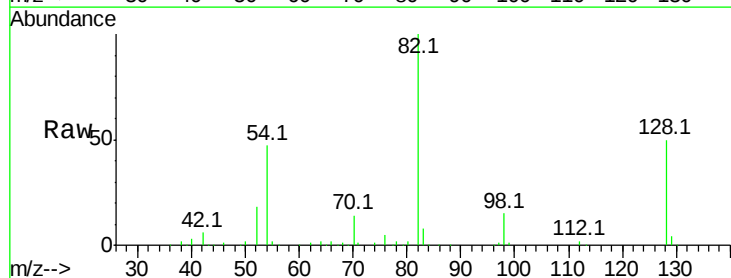


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

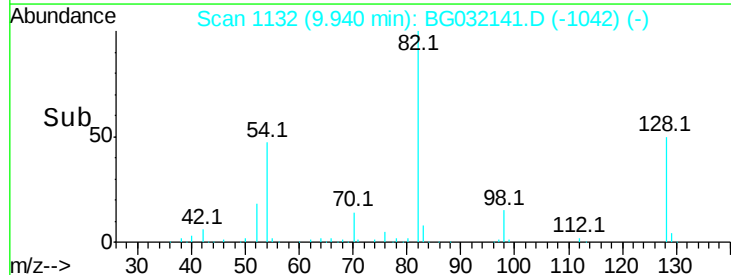
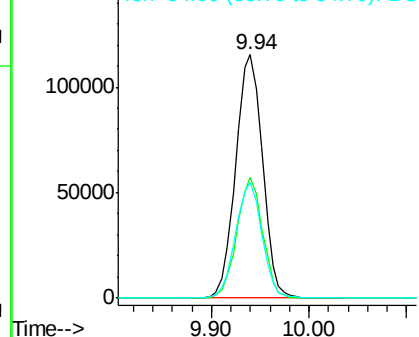


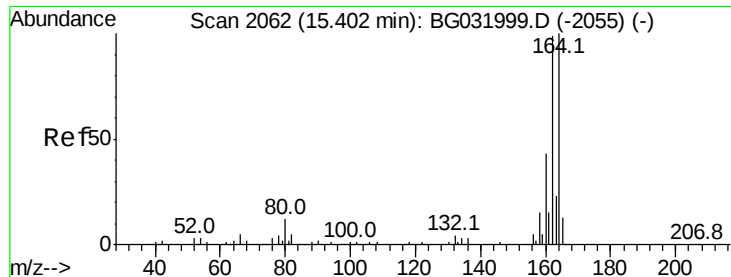
#23
Nitrobenzene-d5
Concen: 89.168 ng
RT: 9.94 min Scan# 1132
Delta R.T. -0.00 min
Lab File: BG032141.D
Acq: 18 Jan 2018 18:16

Tgt Ion: 82 Resp: 220763
Ion Ratio Lower Upper
82 100
128 49.6 29.7 44.5#
54 47.4 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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.38 min Scan# 2058

Delta R.T. -0.00 min

Lab File: BG032141.D

Acq: 18 Jan 2018 18:16

Instrument :

BNA_G

ClientSampleId :

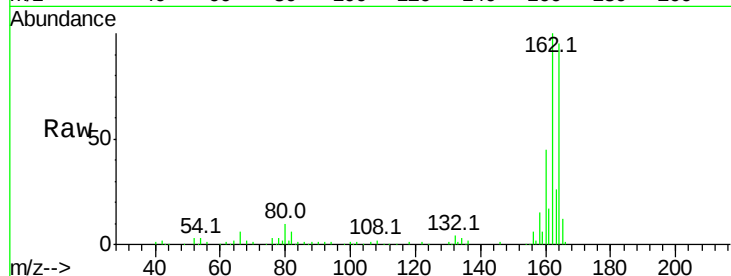
Tot Ion:164 Resp: 111043

Ion Ratio Lower Upper

164 100

162 104.9 78.8 118.2

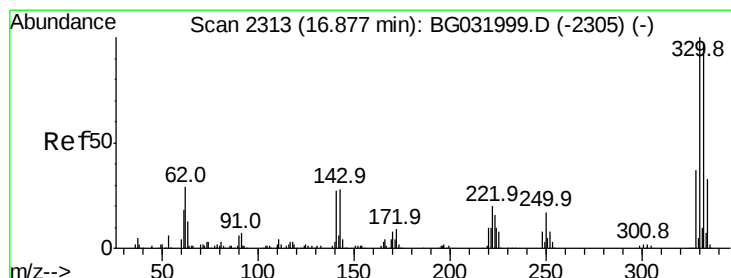
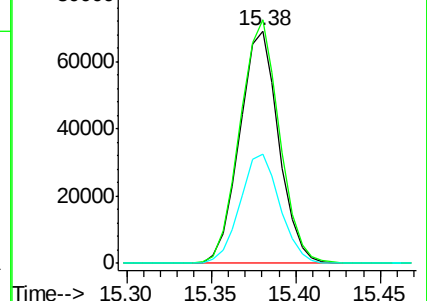
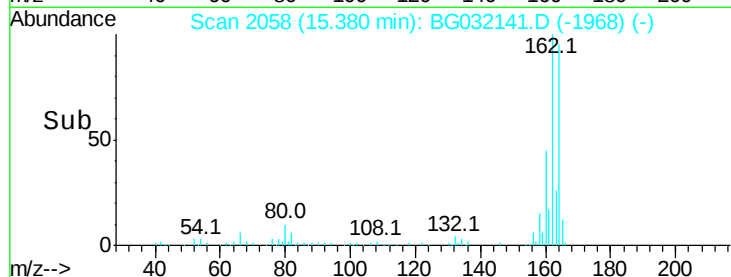
160 47.0 35.4 53.0



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: 137.961 ng

RT: 16.85 min Scan# 2309

Delta R.T. -0.00 min

Lab File: BG032141.D

Acq: 18 Jan 2018 18:16

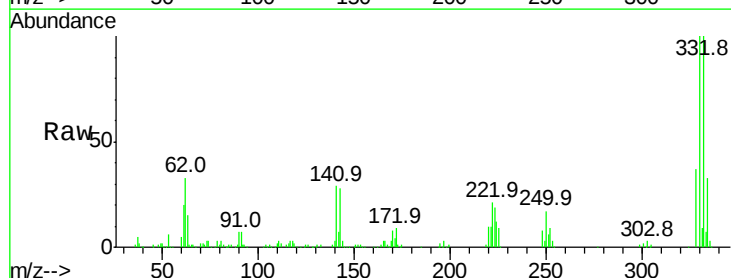
Tgt Ion:330 Resp: 253503

Ion Ratio Lower Upper

330 100

332 98.0 77.0 115.6

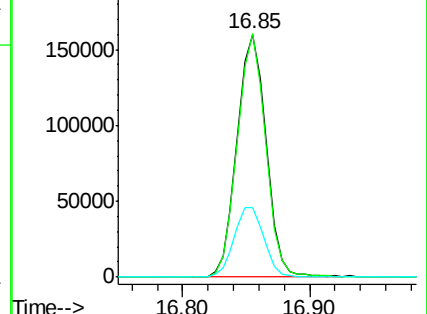
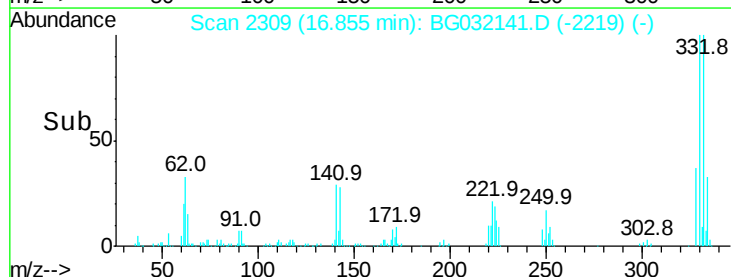
141 29.5 25.2 37.8

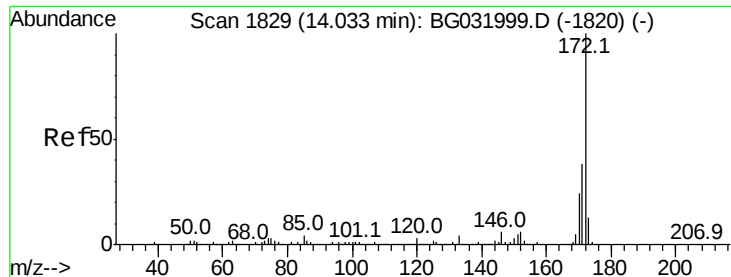


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

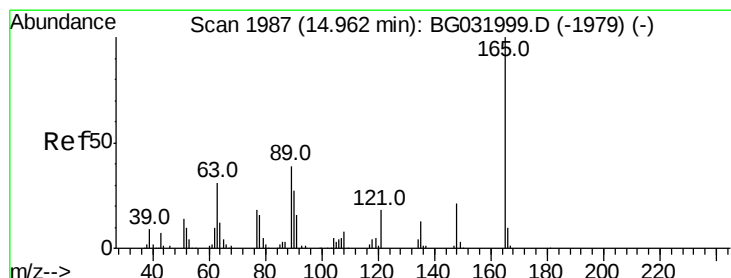
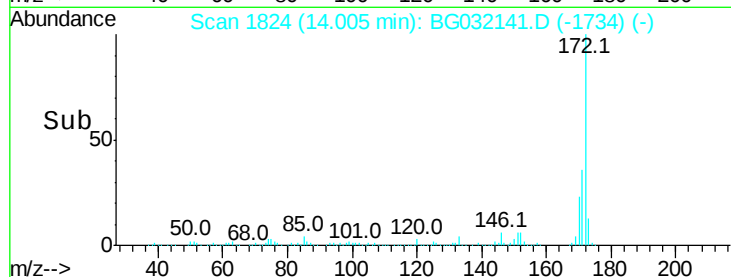
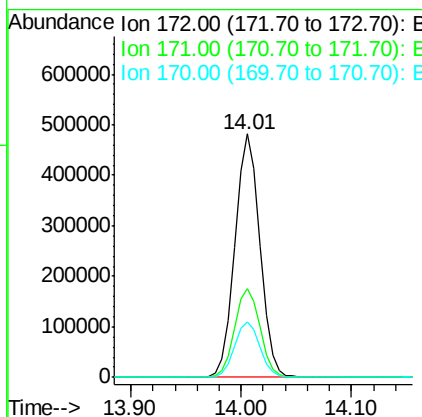
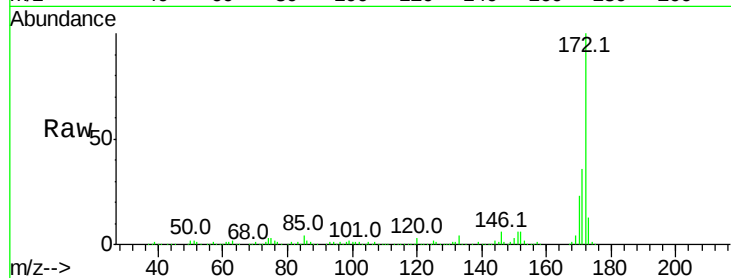




#44
2-Fluorobiphenyl
Concen: 85.404 ng
RT: 14.01 min Scan# 1824
Delta R.T. -0.00 min
Lab File: BG032141.D
Acq: 18 Jan 2018 18:16

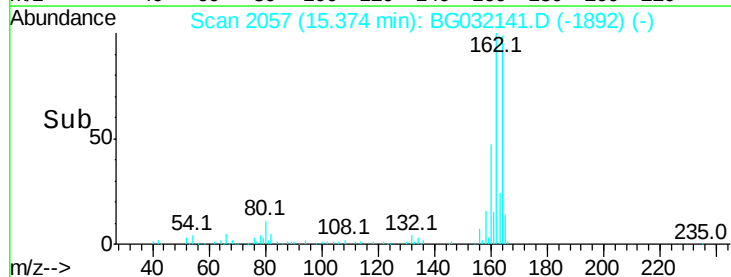
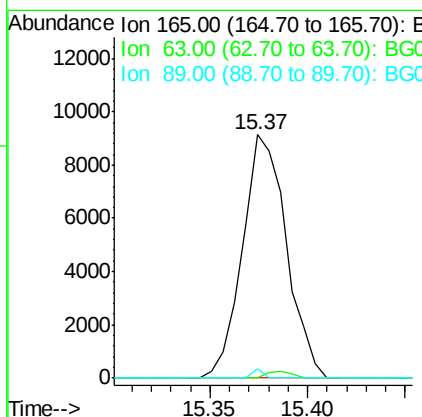
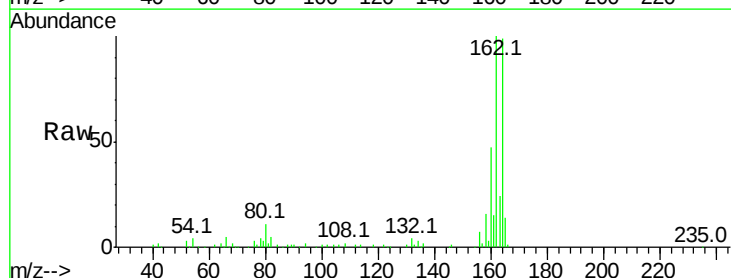
Instrument :
BNA_G
ClientSampleId :

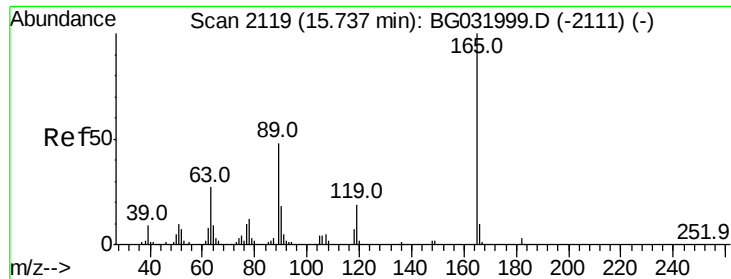
Tot Ion:172 Resp: 764834
Ion Ratio Lower Upper
172 100
171 36.5 30.0 45.0
170 22.8 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.036 ng
RT: 15.37 min Scan# 2057
Delta R.T. 0.44 min
Lab File: BG032141.D
Acq: 18 Jan 2018 18:16

Tgt Ion:165 Resp: 14191
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 3.6 49.2 73.8#





#56

2,4-Dinitrotoluene

Concen: 5.226 ng

RT: 15.37 min Scan# 2057

Delta R.T. -0.34 min

Lab File: BG032141.D

Acq: 18 Jan 2018 18:16

Instrument :

BNA_G

ClientSampled :

Tot Ion:165 Resp: 14191

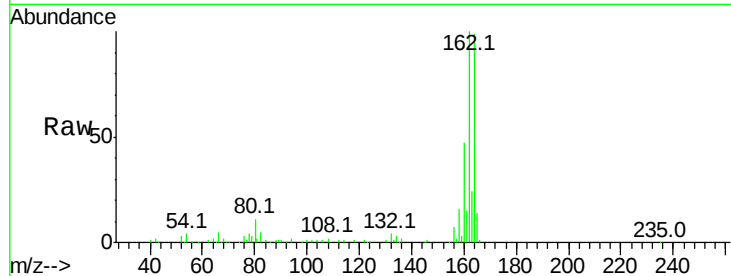
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 3.6 66.9 100.3#

182 0.0 2.6 3.8#

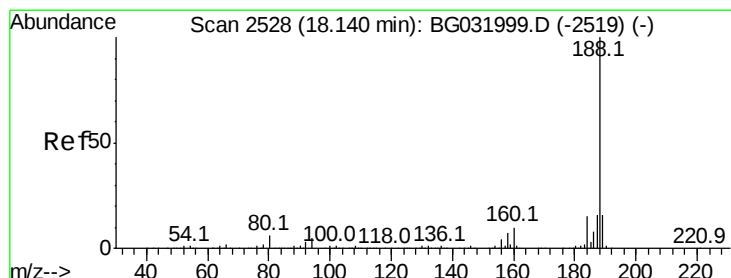
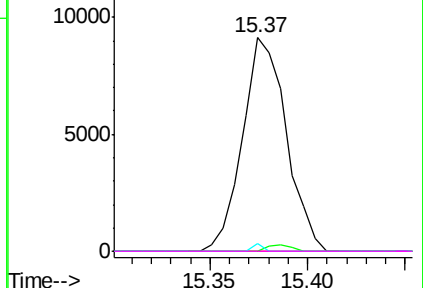
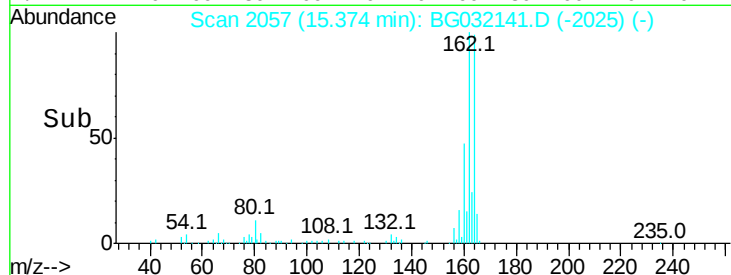


Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.000 ng

RT: 18.11 min Scan# 2523

Delta R.T. -0.00 min

Lab File: BG032141.D

Acq: 18 Jan 2018 18:16

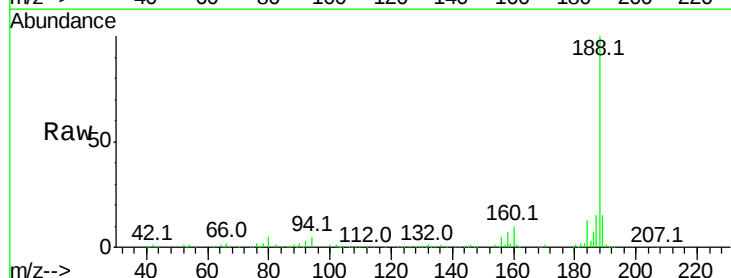
Tgt Ion:188 Resp: 310852

Ion Ratio Lower Upper

188 100

94 5.0 6.9 10.3#

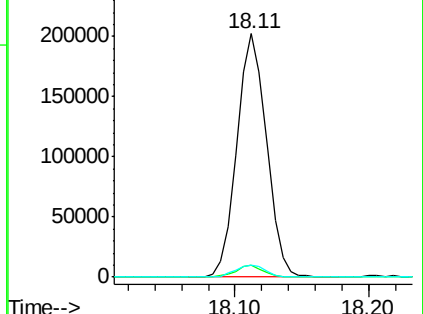
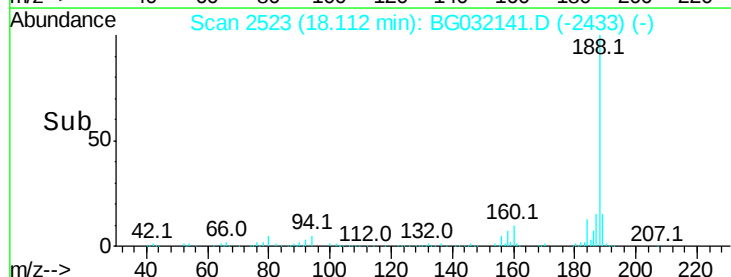
80 4.8 7.7 11.5#

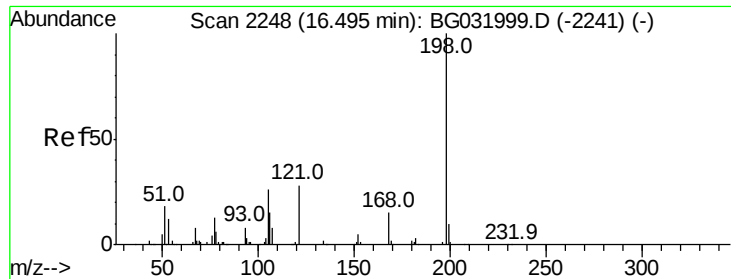


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

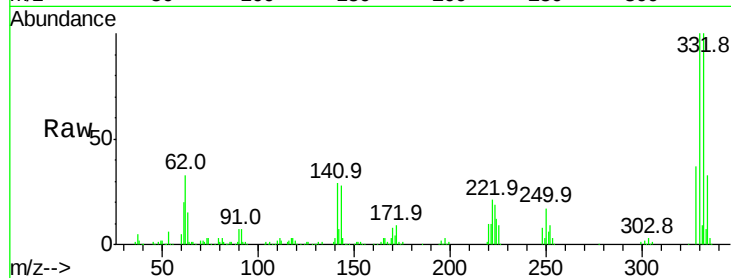




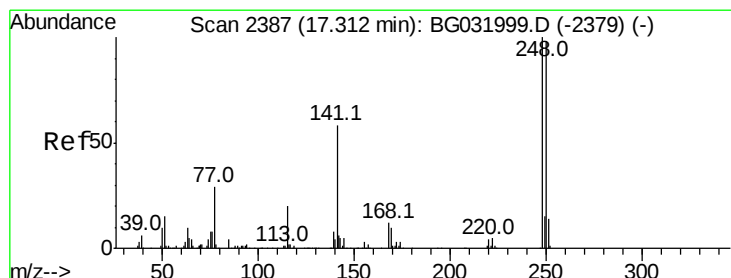
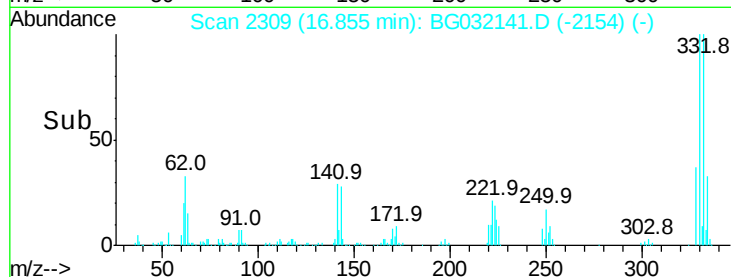
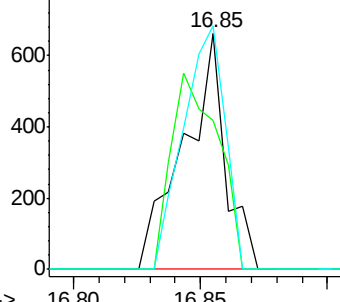
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.227 ng
 RT: 16.85 min Scan# 2309
 Delta R.T. 0.38 min
 Lab File: BG032141.D
 Acq: 18 Jan 2018 18:16

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 760
 Ion Ratio Lower Upper
 198 100
 51 62.9 30.6 70.6
 105 103.2 23.8 63.8#

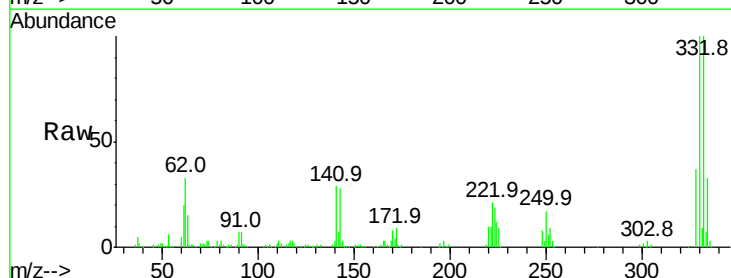


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGO
 Ion 105.00 (104.70 to 105.70): E

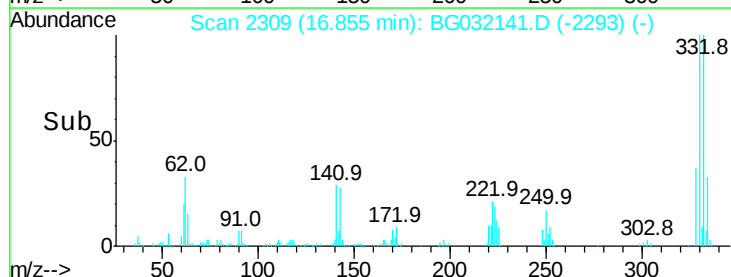
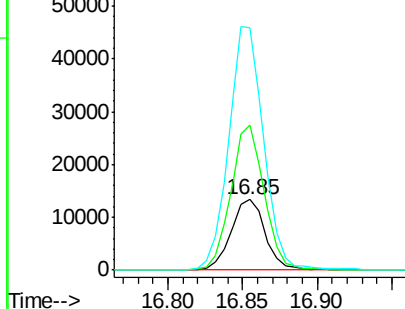


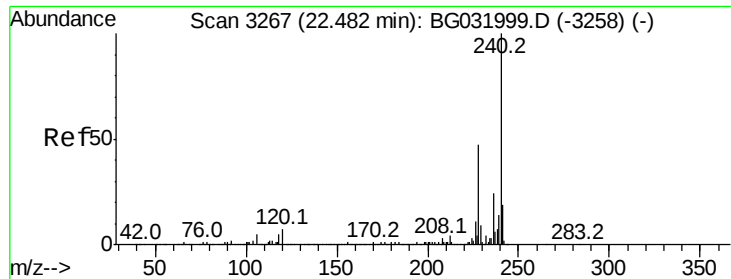
#66
 4-Bromophenyl-phenylether
 Concen: 4.810 ng
 RT: 16.85 min Scan# 2309
 Delta R.T. -0.44 min
 Lab File: BG032141.D
 Acq: 18 Jan 2018 18:16

Tgt Ion:248 Resp: 21273
 Ion Ratio Lower Upper
 248 100
 250 206.5 77.1 115.7#
 141 343.6 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: 20.000 ng

RT: 22.45 min Scan# 3261

Delta R.T. -0.00 min

Lab File: BG032141.D

Acq: 18 Jan 2018 18:16

Instrument :

BNA_G

ClientSampleId :

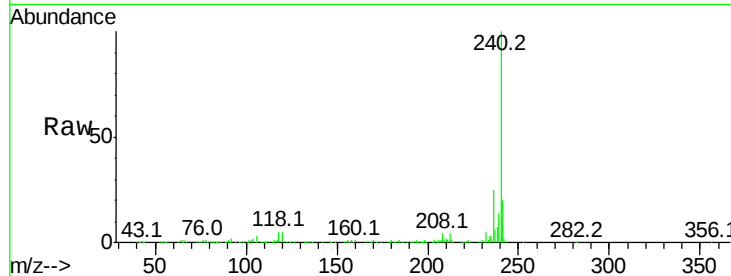
Tot Ion:240 Resp: 444861

Ion Ratio Lower Upper

240 100

120 4.8 6.8 10.2#

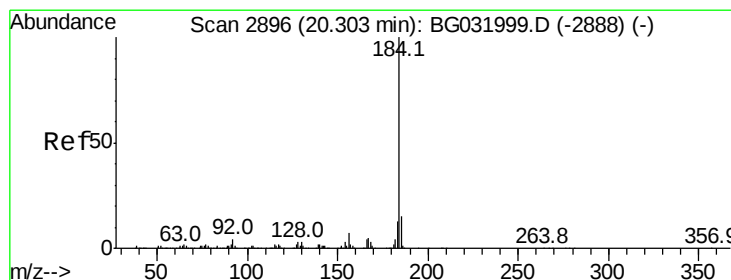
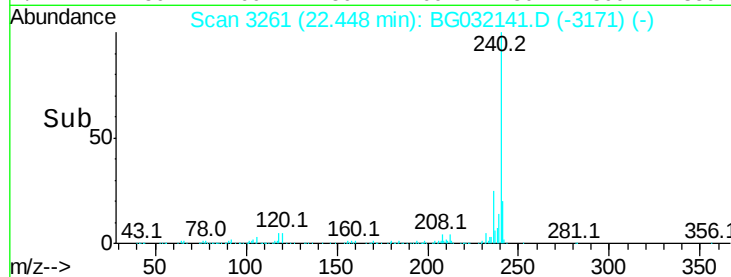
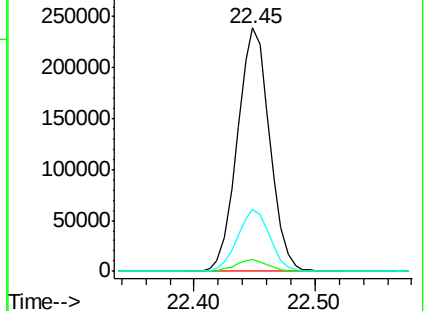
236 25.4 20.9 31.3



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: 2.175 ng

RT: 20.65 min Scan# 2955

Delta R.T. 0.37 min

Lab File: BG032141.D

Acq: 18 Jan 2018 18:16

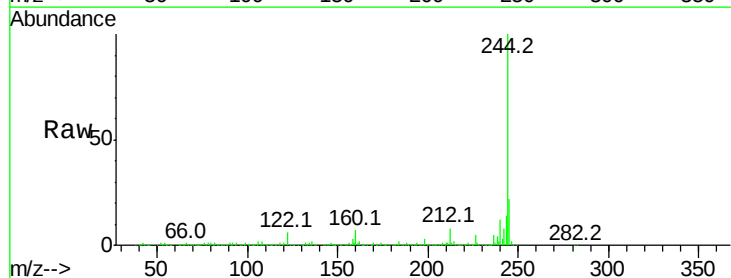
Tgt Ion:184 Resp: 24195

Ion Ratio Lower Upper

184 100

185 18.0 11.1 16.7#

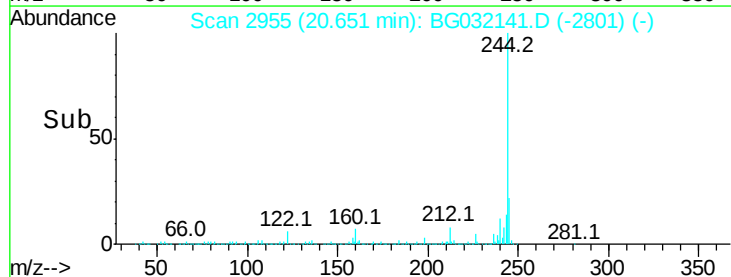
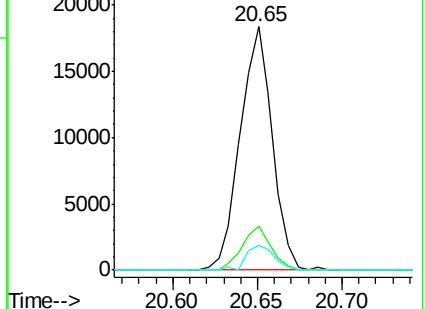
183 10.0 10.6 16.0#

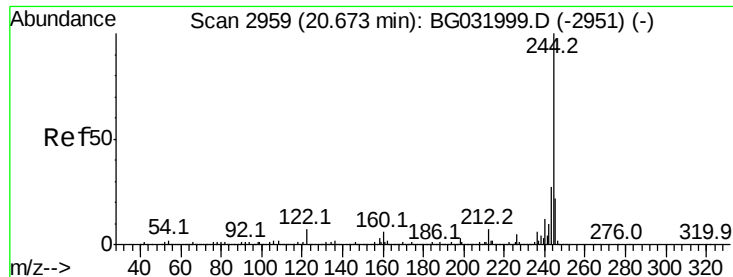


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 84.100 ng

RT: 20.65 min Scan# 2955

Delta R.T. -0.00 min

Lab File: BG032141.D

Acq: 18 Jan 2018 18:16

Instrument :

BNA_G

ClientSampleId :

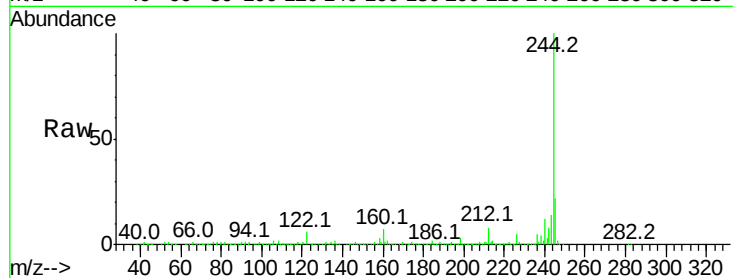
Tot Ion:244 Resp: 1694392

Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.8	8.8
122	6.2	7.0	10.4

244 100

212 7.9 5.8 8.8

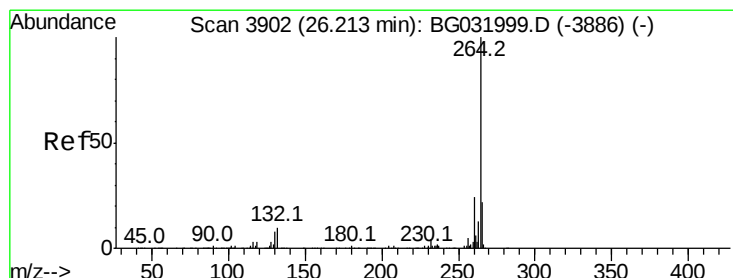
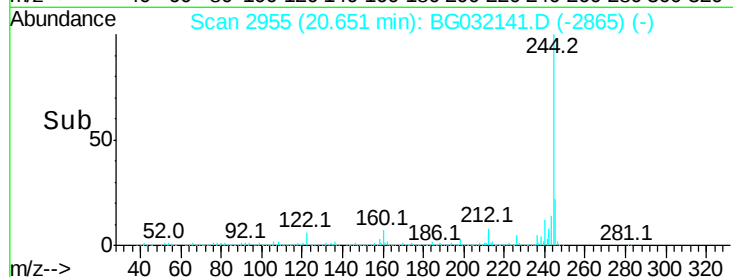
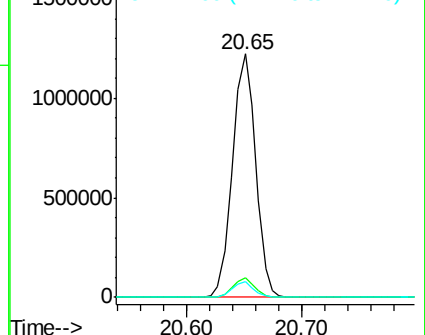
122 6.2 7.0 10.4



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

Perylene-d12

Concen: 20.000 ng

RT: 26.15 min Scan# 3891

Delta R.T. -0.00 min

Lab File: BG032141.D

Acq: 18 Jan 2018 18:16

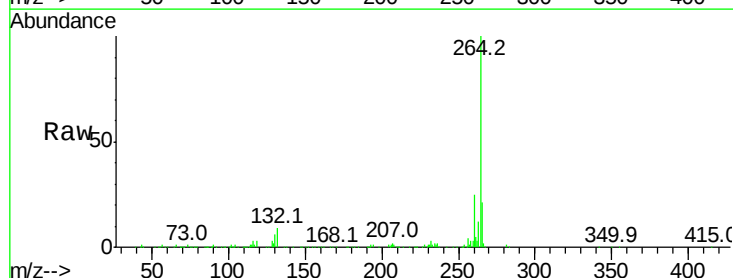
Tgt Ion:264 Resp: 452778

Ion	Ratio	Lower	Upper
264	100		
260	25.0	17.4	26.0
265	21.1	17.7	26.5

264 100

260 25.0 17.4 26.0

265 21.1 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

