

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021418\
 Data File : BG032709.D
 Acq On : 15 Feb 2018 10:16
 Operator : SJ/JU
 Sample : J1545-14
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 15 11:08:05 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	28972	20.00	ng	-0.02
21) Naphthalene-d8	11.53	136	108093	20.00	ng	-0.02
38) Acenaphthene-d10	15.30	164	62910	20.00	ng	-0.01
63) Phenanthrene-d10	18.03	188	204673	20.00	ng	-0.02
75) Chrysene-d12	22.35	240	328746	20.00	ng	-0.02
86) Perylene-d12	26.00	264	337686	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.11	112	184398	127.70	ng	0.00
7) Phenol-d6	7.78	99	177233	89.76	ng	-0.01
23) Nitrobenzene-d5	9.86	82	156259	91.88	ng	-0.02
41) 2,4,6-Tribromophenol	16.78	330	207139	213.84	ng	-0.01
44) 2-Fluorobiphenyl	13.92	172	475393	94.50	ng	-0.01
78) Terphenyl-d14	20.58	244	1498362	103.88	ng	0.00

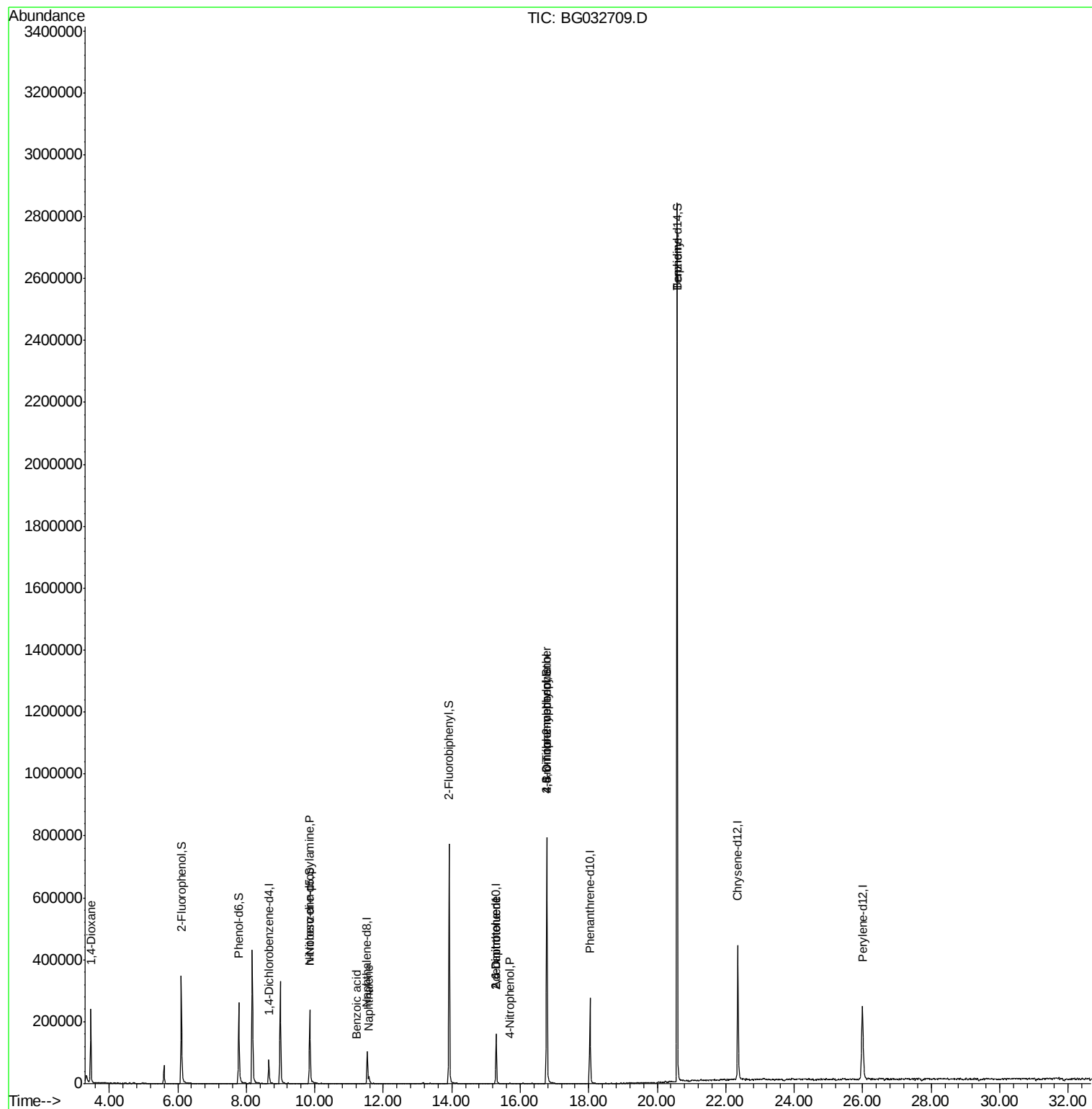
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.47	88	2571	4.256	ng	# 1
19) n-Nitroso-di-n-propylamine	9.86	70	23428	17.649	ng	# 80
31) Naphthalene	11.58	128	22870	4.357	ng	# 96
32) Benzoic acid	11.24	122	62	4.440	ng	# 1
50) 2,6-Dinitrotoluene	15.30	165	7842	7.002	ng	# 18
55) 4-Nitrophenol	15.69	139	804	6.506	ng	# 1
56) 2,4-Dinitrotoluene	15.30	165	7842	5.082	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.78	198	356	5.238	ng	# 25
66) 4-Bromophenyl-phenylether	16.77	248	16488	5.629	ng	# 1
76) Benzidine	20.58	184	23545	3.042	ng	# 89

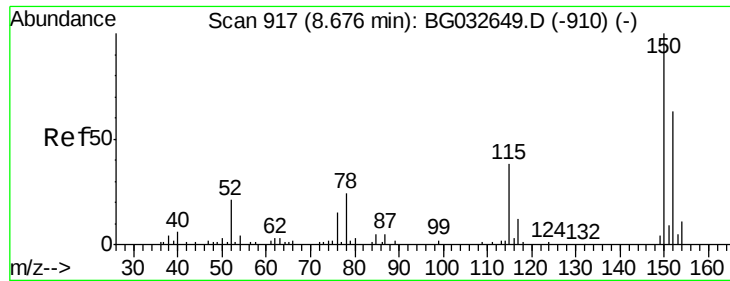
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 15 11:08:05 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021218.M
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QLast Update : Mon Feb 12 18:08:01 2018
Response via : Initial Calibration



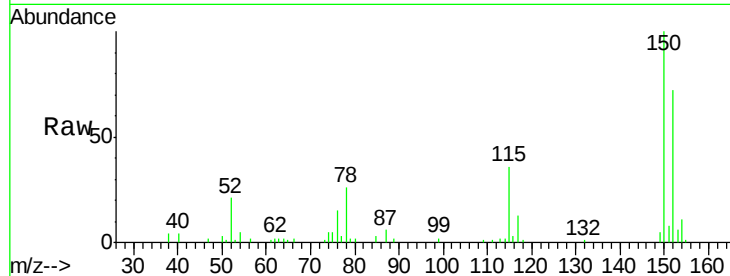


#1

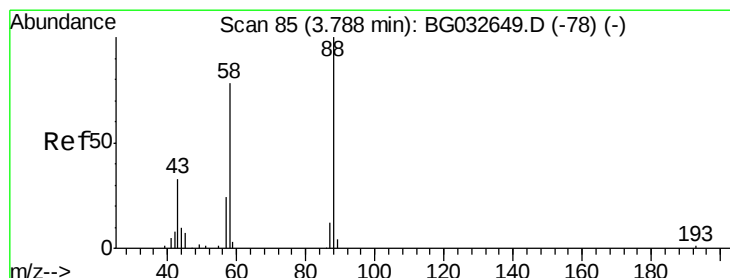
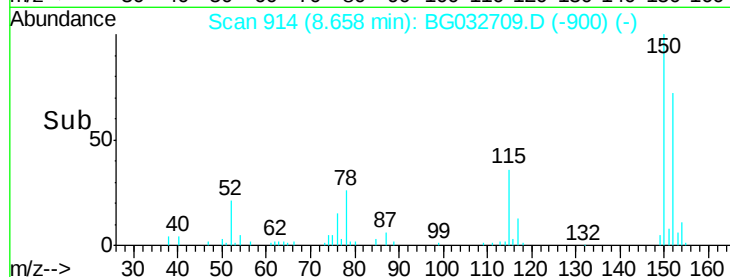
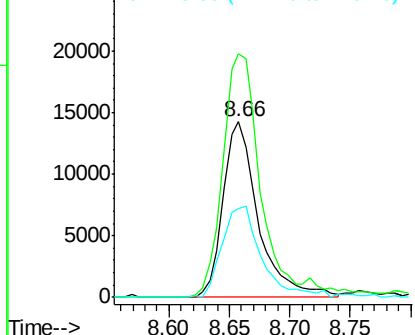
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.66 min Scan# 914
Delta R.T. -0.02 min
Lab File: BG032709.D
Acq: 15 Feb 2018 10:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 28972
Ion Ratio Lower Upper
152 100
150 138.6 126.6 189.8
115 50.5 53.0 79.4#



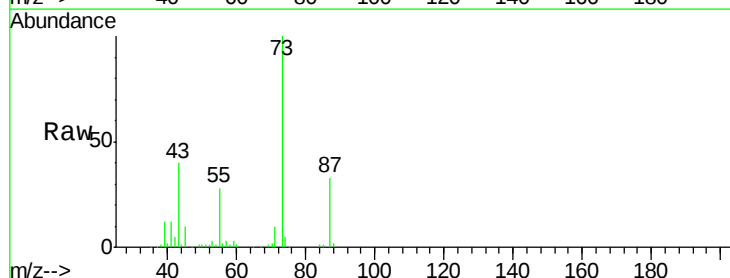
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



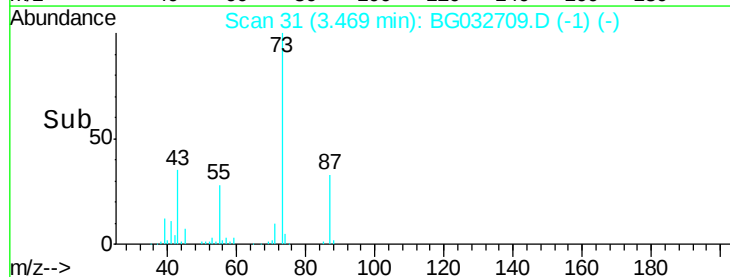
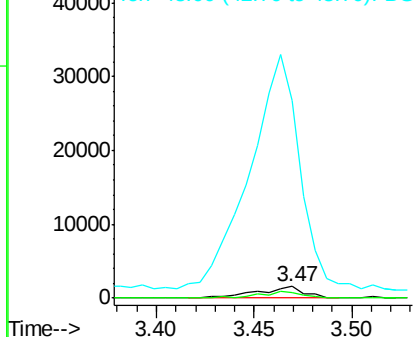
#2

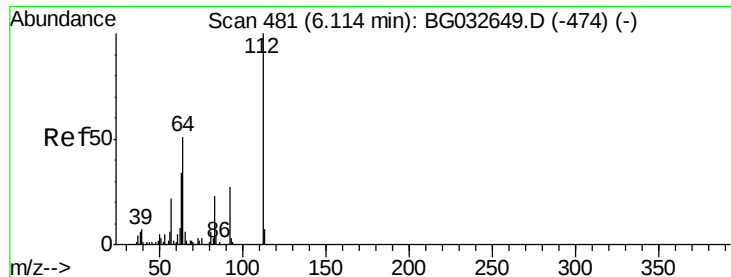
1,4-Dioxane
Concen: 4.256 ng
RT: 3.47 min Scan# 31
Delta R.T. -0.32 min
Lab File: BG032709.D
Acq: 15 Feb 2018 10:16

Tgt Ion: 88 Resp: 2571
Ion Ratio Lower Upper
88 100
58 50.4 79.6 119.4#
43 2253.9 27.4 41.0#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 127.698 ng

RT: 6.11 min Scan# 480

Delta R.T. -0.01 min

Lab File: BG032709.D

Acq: 15 Feb 2018 10:16

Instrument :

BNA_G

ClientSampleId :

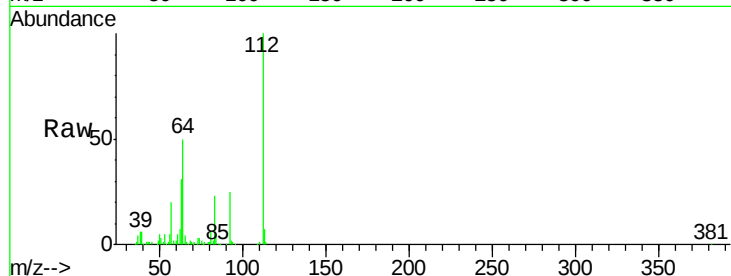
Tot Ion:112 Resp: 184398

Ion Ratio Lower Upper

112 100

64 49.7 56.3 84.5#

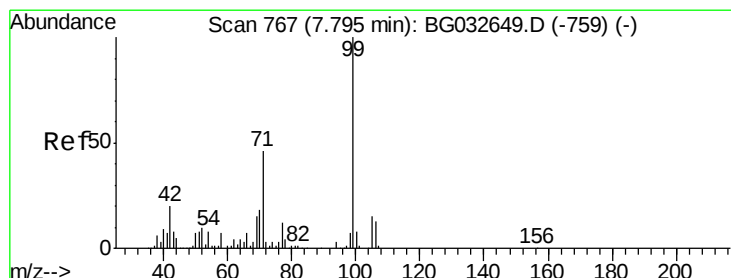
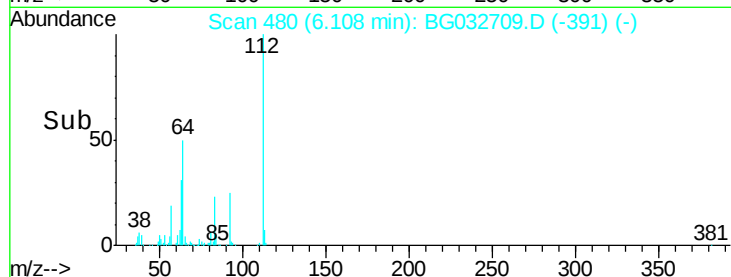
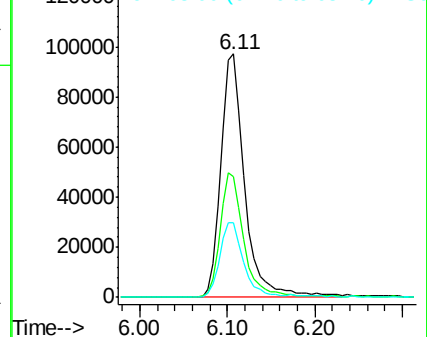
63 30.7 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 89.759 ng

RT: 7.78 min Scan# 765

Delta R.T. -0.01 min

Lab File: BG032709.D

Acq: 15 Feb 2018 10:16

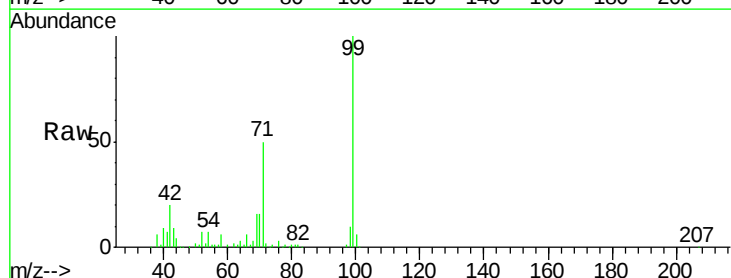
Tgt Ion: 99 Resp: 177233

Ion Ratio Lower Upper

99 100

42 19.9 14.1 21.1

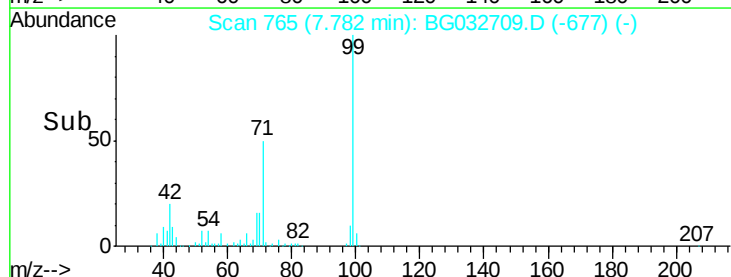
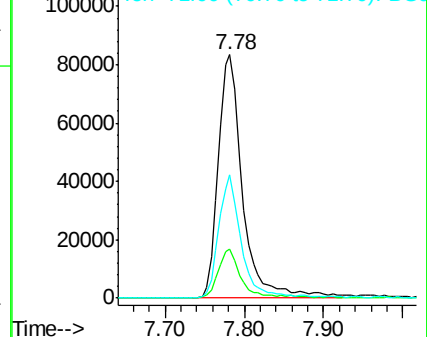
71 50.4 26.1 39.1#

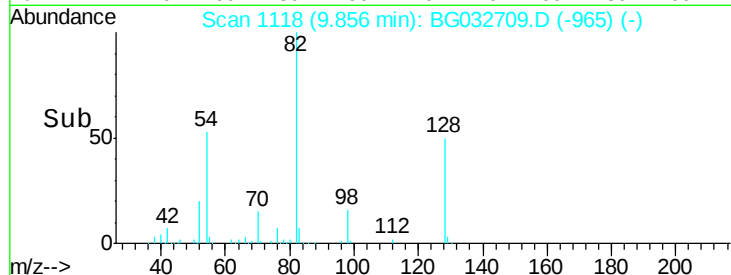
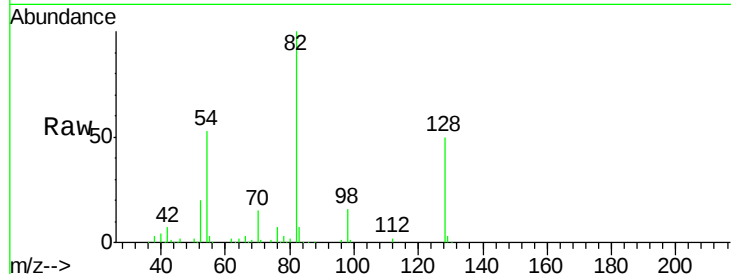
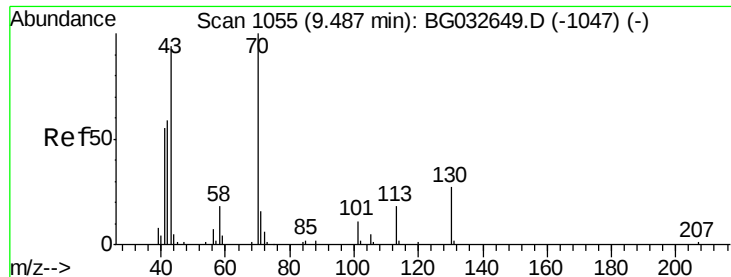


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

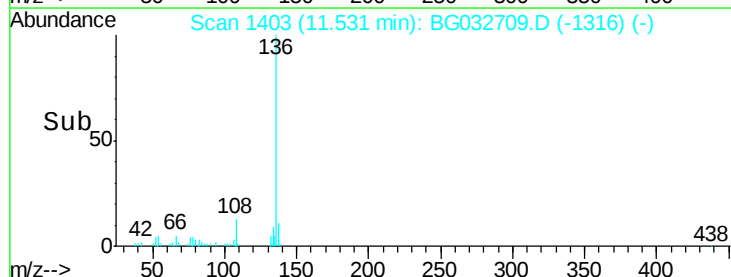
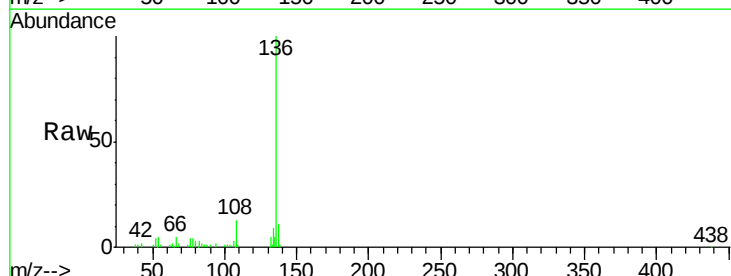
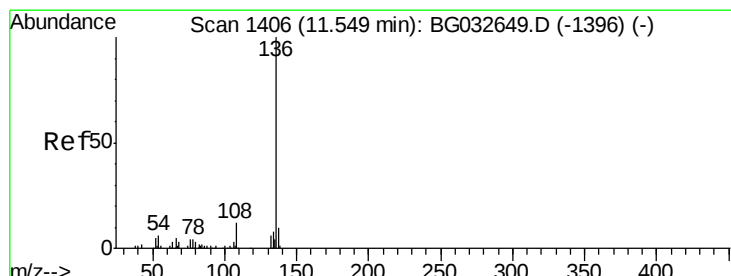
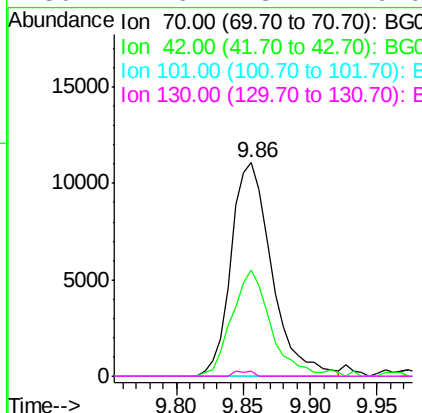




#19
n-Nitroso-di-n-propylamine
Concen: 17.649 ng
RT: 9.86 min Scan# 1118
Delta R.T. 0.37 min
Lab File: BG032709.D
Acq: 15 Feb 2018 10:16

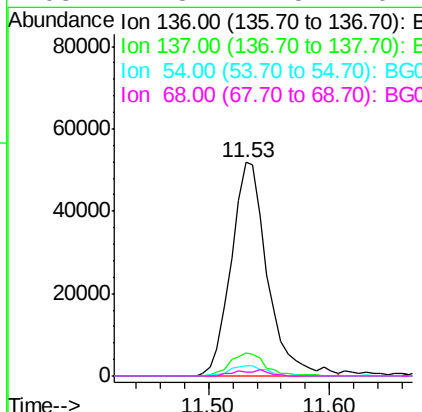
Instrument :
BNA_G
ClientSampleId :

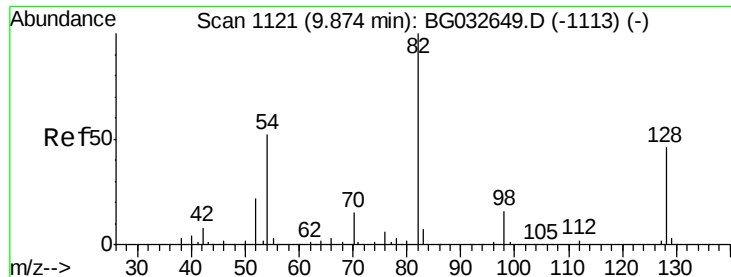
Tot Ion: 70 Resp: 23428
Ion Ratio Lower Upper
70 100
42 49.8 49.1 73.7
101 0.0 8.5 12.7#
130 2.6 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.53 min Scan# 1403
Delta R.T. -0.02 min
Lab File: BG032709.D
Acq: 15 Feb 2018 10:16

Tgt Ion: 136 Resp: 108093
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 4.9 10.3 15.5#
68 1.8 4.5 6.7#

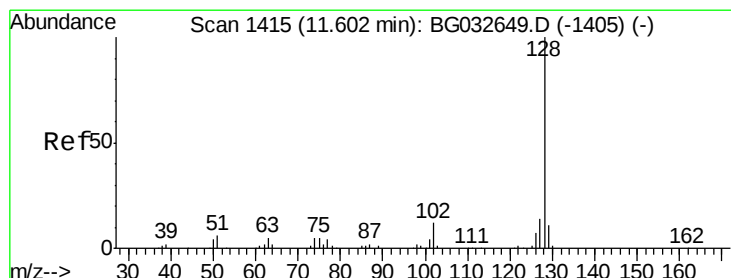
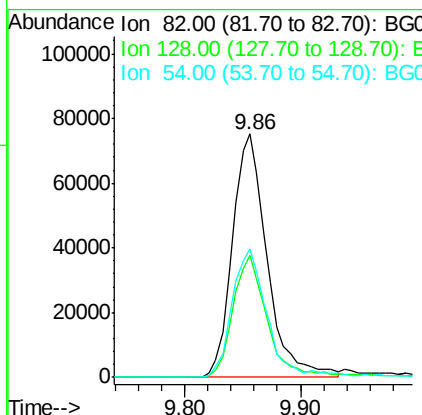
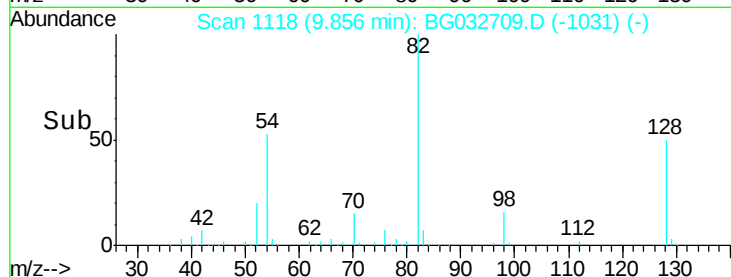
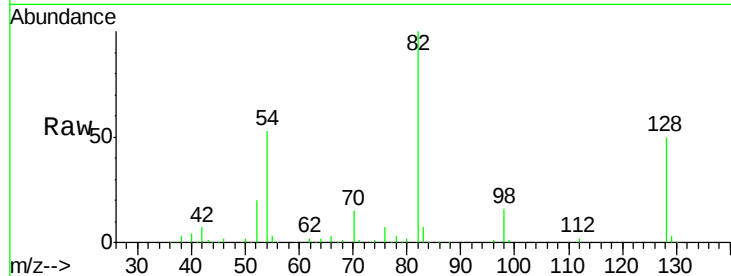




#23
Nitrobenzene-d5
Concen: 91.875 ng
RT: 9.86 min Scan# 1118
Delta R.T. -0.02 min
Lab File: BG032709.D
Acq: 15 Feb 2018 10:16

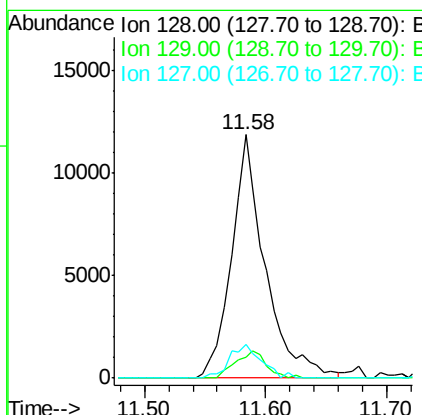
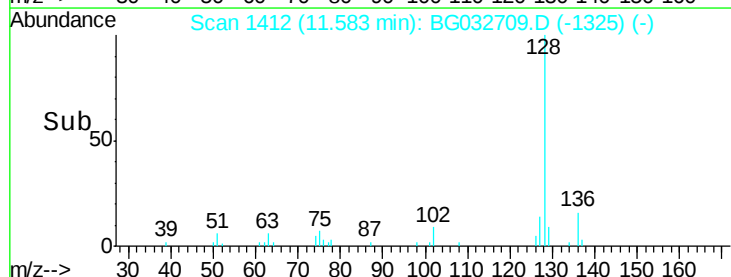
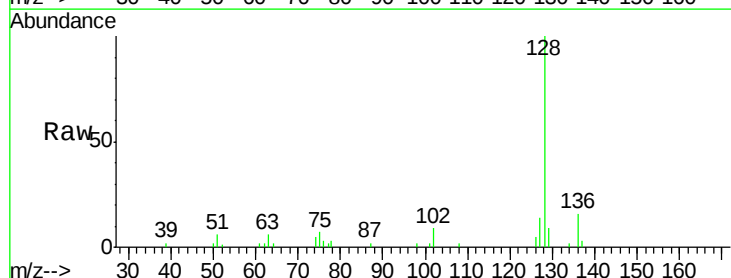
Instrument :
BNA_G
ClientSampled :

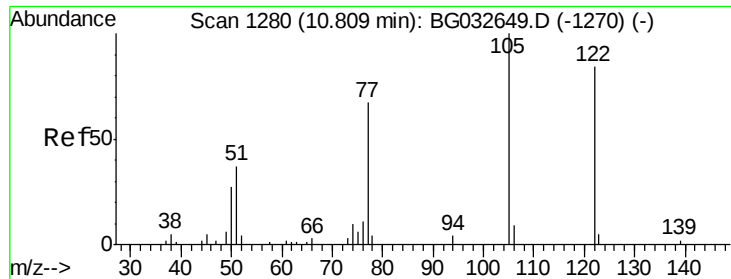
Tot Ion: 82 Resp: 156259
Ion Ratio Lower Upper
82 100
128 49.9 29.7 44.5#
54 52.8 43.1 64.7



#31
Naphthalene
Concen: 4.357 ng
RT: 11.58 min Scan# 1412
Delta R.T. -0.02 min
Lab File: BG032709.D
Acq: 15 Feb 2018 10:16

Tgt Ion: 128 Resp: 22870
Ion Ratio Lower Upper
128 100
129 8.6 8.6 12.8
127 13.7 11.6 17.4





#32

Benzoic acid

Concen: 4.440 ng

RT: 11.24 min Scan# 1353

Delta R.T. 0.43 min

Lab File: BG032709.D

Acq: 15 Feb 2018 10:16

Instrument :

BNA_G

ClientSampleId :

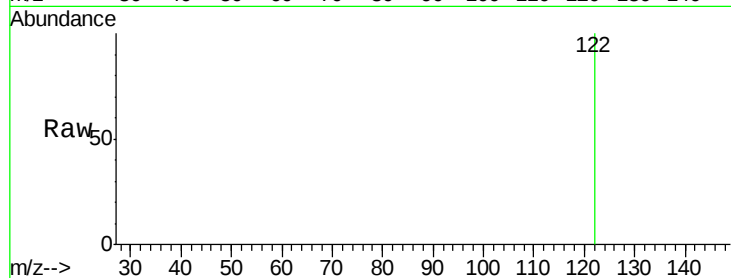
Tot Ion:122 Resp: 62

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

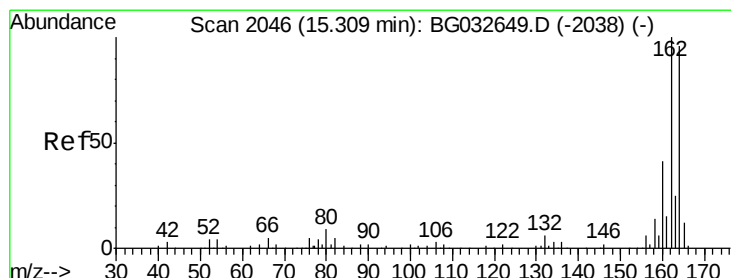
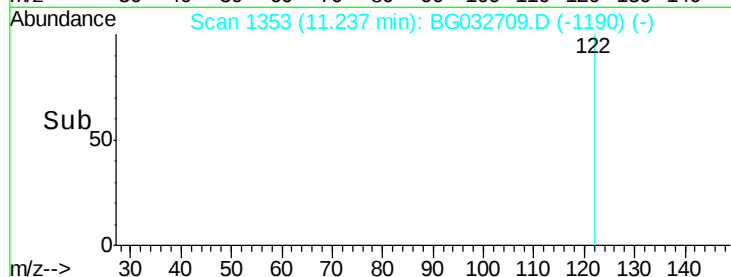
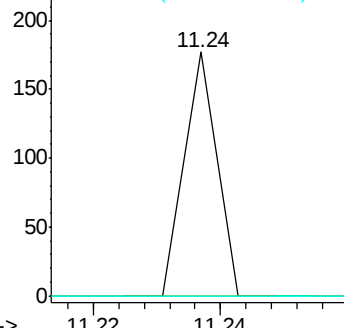
77 0.0 85.7 125.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.30 min Scan# 2044

Delta R.T. -0.01 min

Lab File: BG032709.D

Acq: 15 Feb 2018 10:16

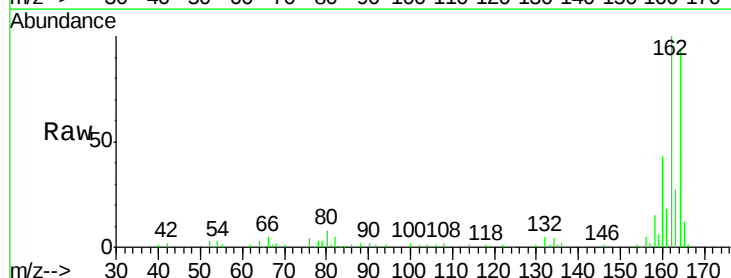
Tgt Ion:164 Resp: 62910

Ion Ratio Lower Upper

164 100

162 106.3 78.8 118.2

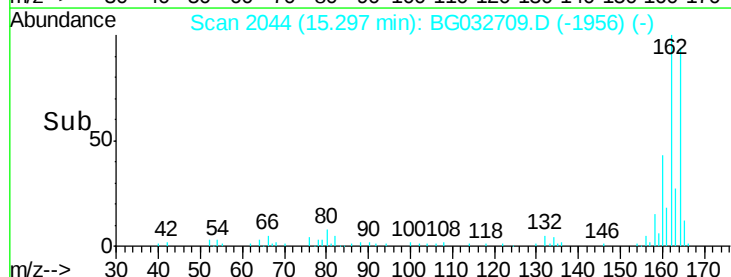
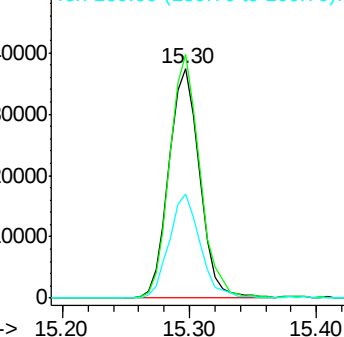
160 45.3 35.4 53.0

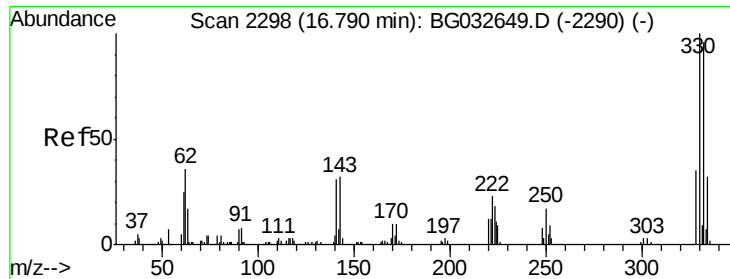


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

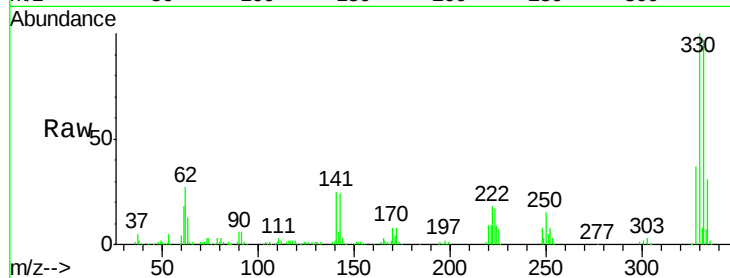




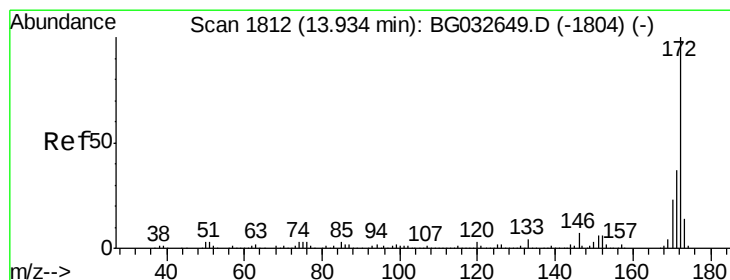
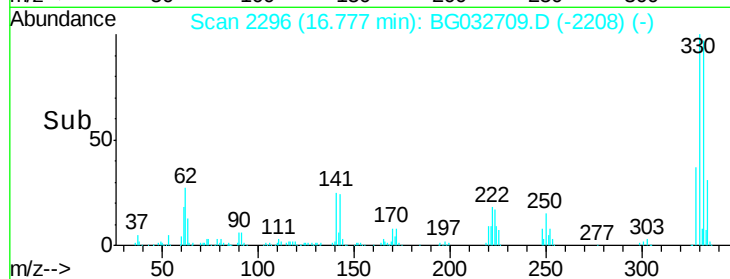
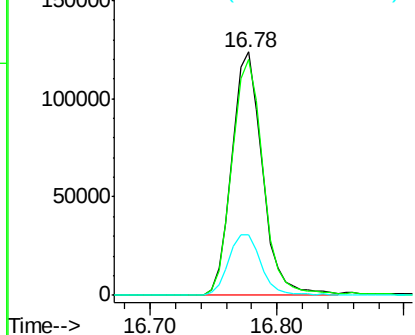
#41
 2,4,6-Tribromophenol
 Concen: 213.836 ng
 RT: 16.78 min Scan# 2296
 Delta R.T. -0.01 min
 Lab File: BG032709.D
 Acq: 15 Feb 2018 10:16

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.9	77.0	115.6
141	26.6	25.2	37.8

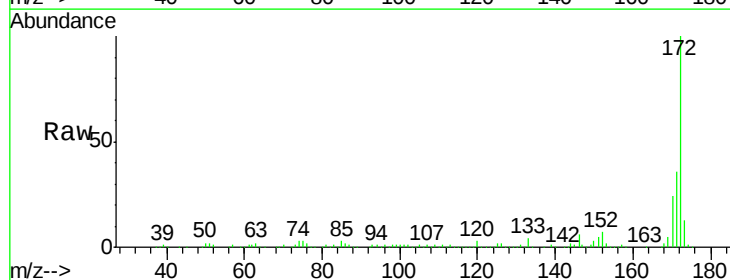


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

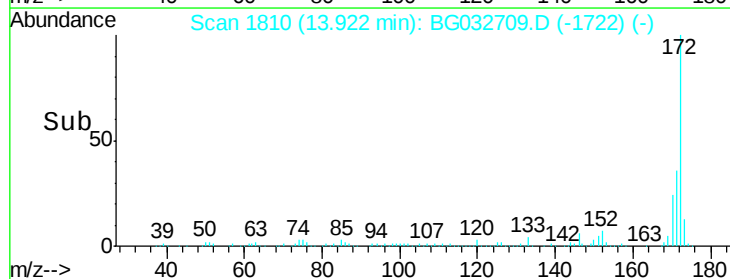
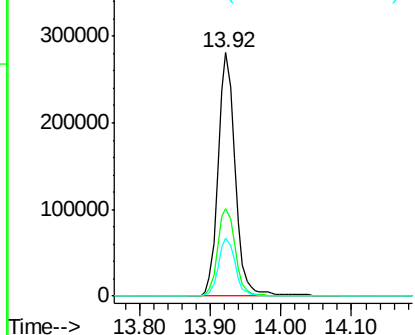


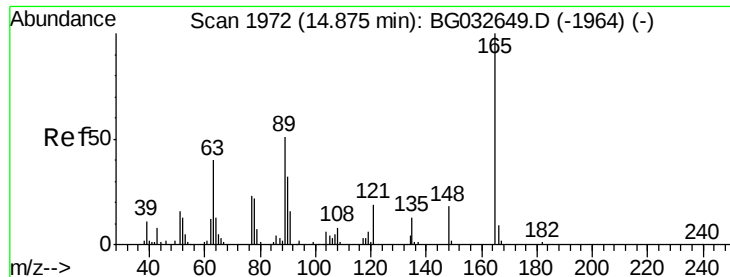
#44
 2-Fluorobiphenyl
 Concen: 94.499 ng
 RT: 13.92 min Scan# 1810
 Delta R.T. -0.01 min
 Lab File: BG032709.D
 Acq: 15 Feb 2018 10:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	30.0	45.0
170	24.0	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

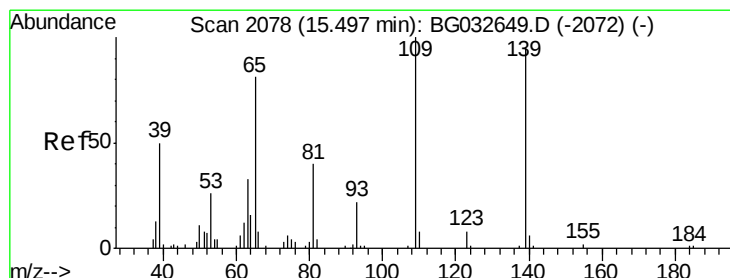
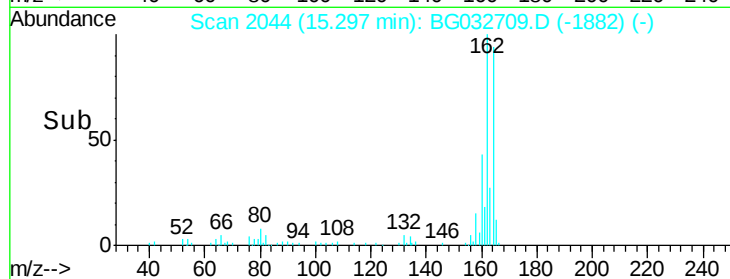
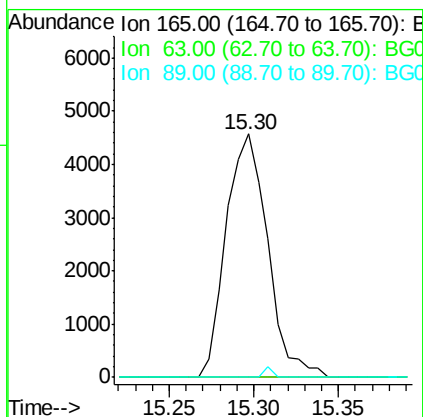
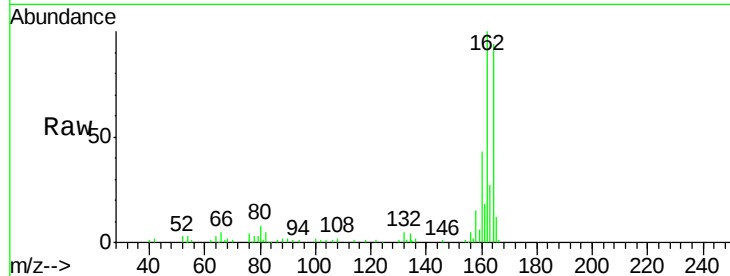




#50
 2,6-Dinitrotoluene
 Concen: 7.002 ng
 RT: 15.30 min Scan# 2044
 Delta R.T. 0.42 min
 Lab File: BG032709.D
 Acq: 15 Feb 2018 10:16

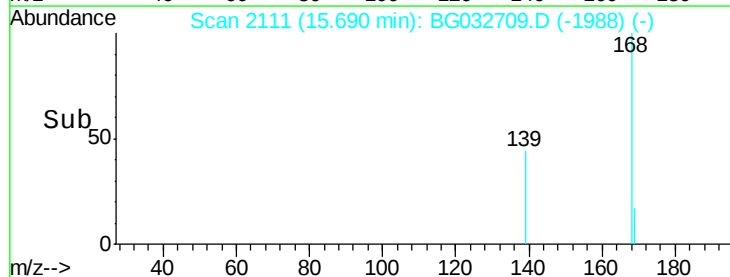
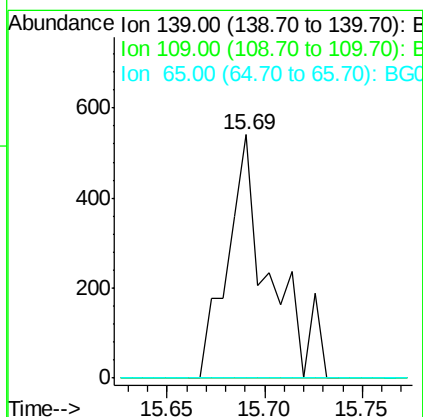
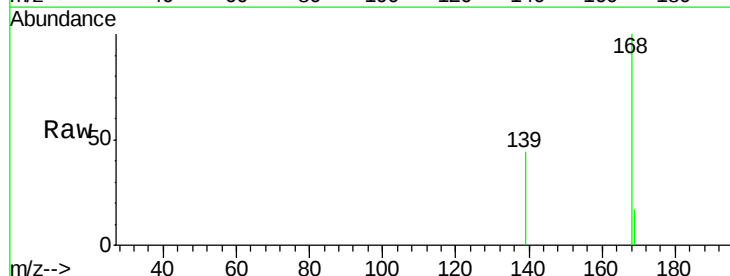
Instrument :
 BNA_G
 ClientSampleId :

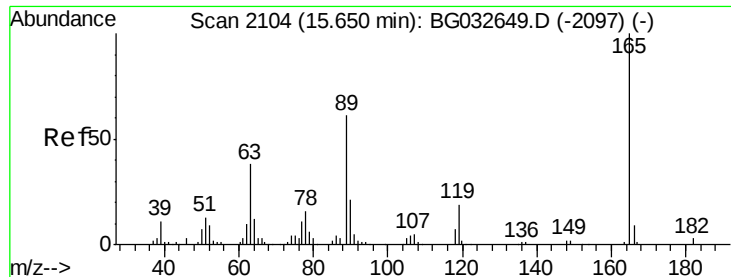
Tot Ion:165 Resp: 7842
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#



#55
 4-Nitrophenol
 Concen: 6.506 ng
 RT: 15.69 min Scan# 2111
 Delta R.T. 0.19 min
 Lab File: BG032709.D
 Acq: 15 Feb 2018 10:16

Tgt Ion:139 Resp: 804
 Ion Ratio Lower Upper
 139 100
 109 0.0 62.2 102.2#
 65 0.0 97.2 137.2#

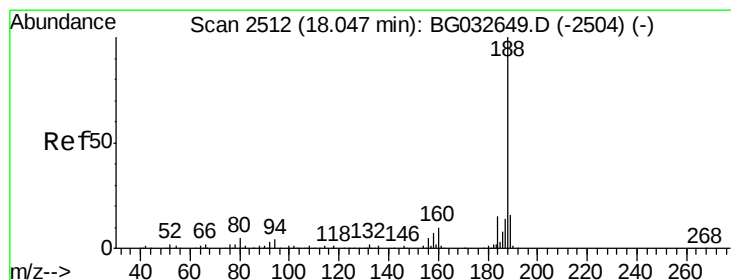
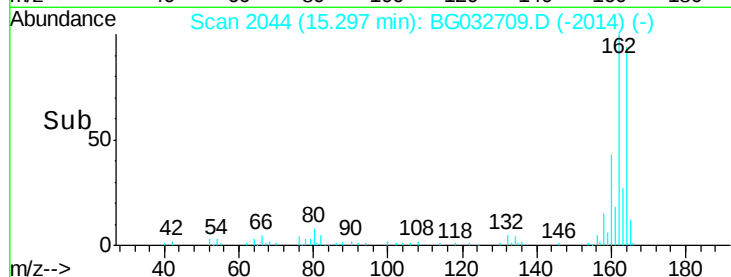
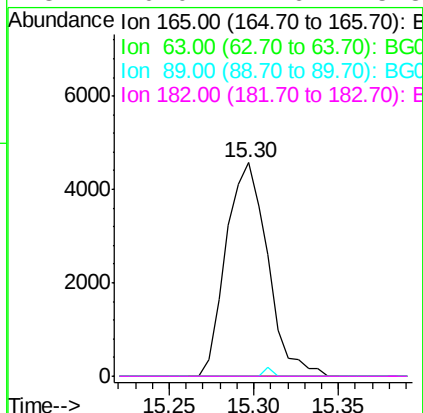
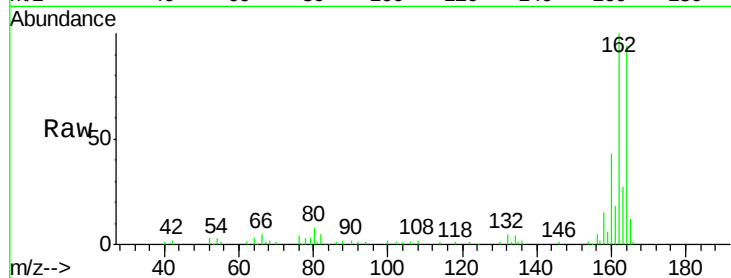




#56
2,4-Dinitrotoluene
Concen: 5.082 ng
RT: 15.30 min Scan# 2044
Delta R.T. -0.35 min
Lab File: BG032709.D
Acq: 15 Feb 2018 10:16

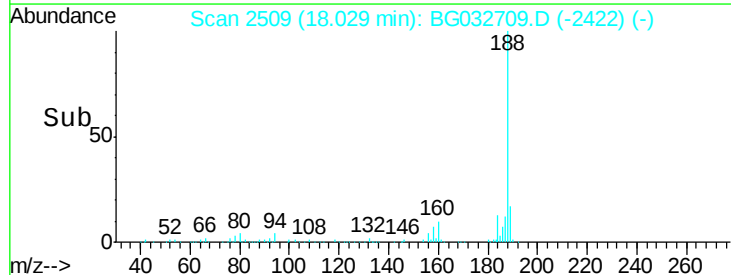
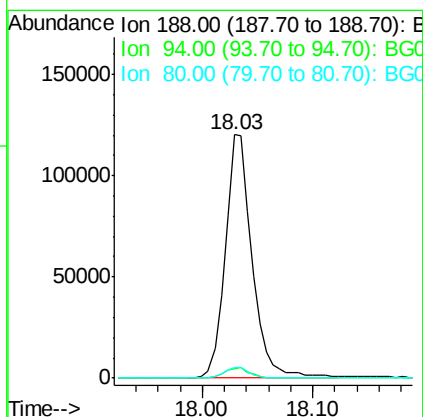
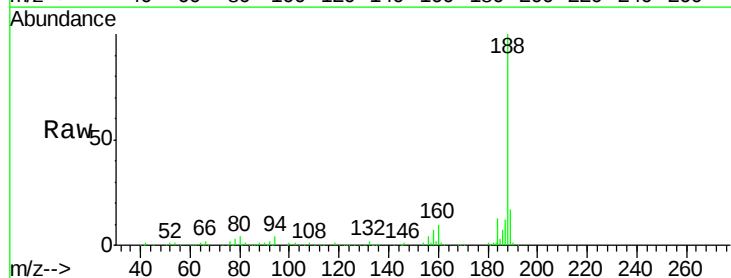
Instrument :
BNA_G
ClientSampleId :

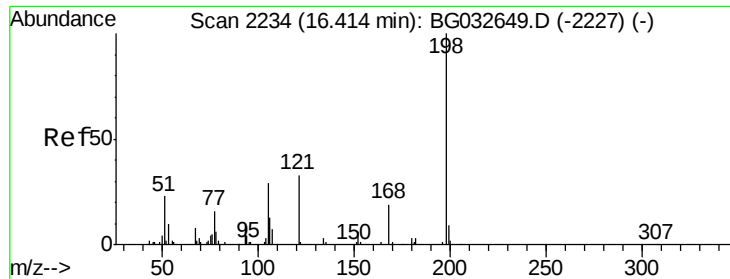
Tot Ion:165 Resp: 7842
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.03 min Scan# 2509
Delta R.T. -0.02 min
Lab File: BG032709.D
Acq: 15 Feb 2018 10:16

Tgt Ion:188 Resp: 204673
Ion Ratio Lower Upper
188 100
94 4.0 6.9 10.3#
80 4.2 7.7 11.5#

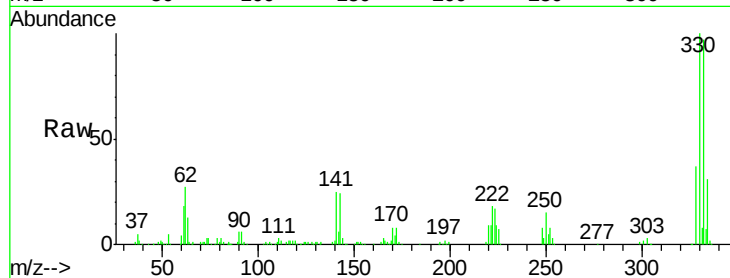




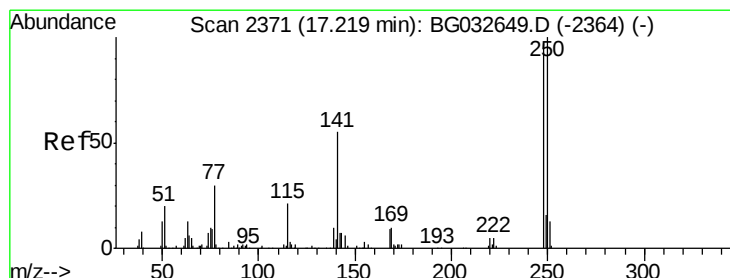
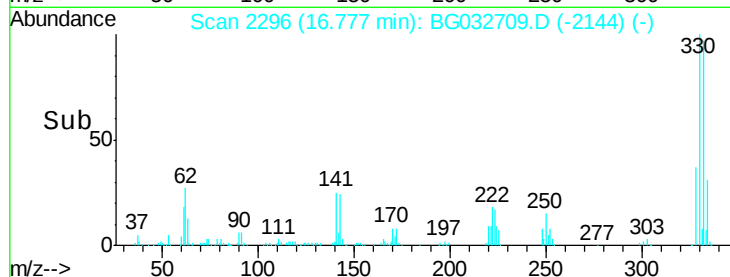
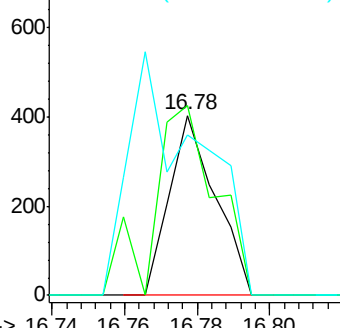
#64
4,6-Dinitro-2-methylphenol
Concen: 5.238 ng
RT: 16.78 min Scan# 2296
Delta R.T. 0.36 min
Lab File: BG032709.D
Acq: 15 Feb 2018 10:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:198 Resp: 356
Ion Ratio Lower Upper
198 100
51 105.2 30.6 70.6#
105 89.4 23.8 63.8#

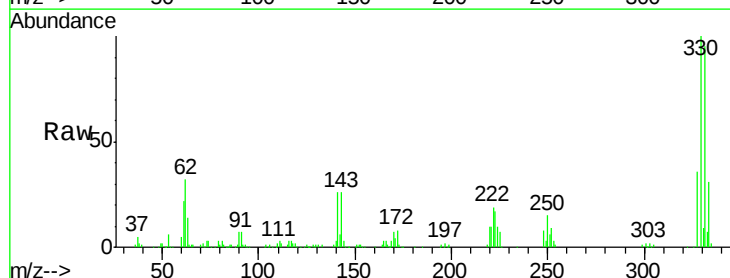


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

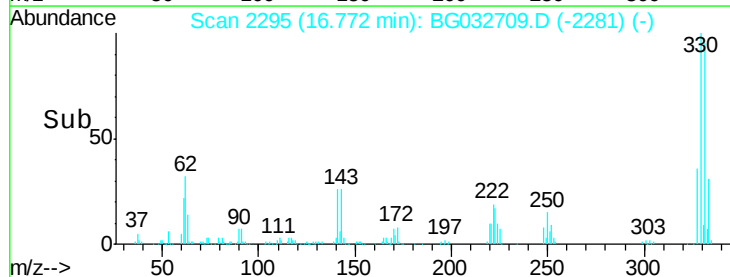
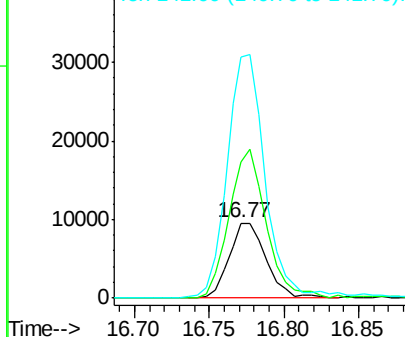


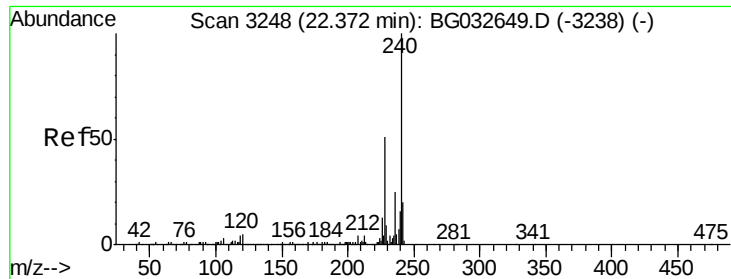
#66
4-Bromophenyl-phenylether
Concen: 5.629 ng
RT: 16.77 min Scan# 2295
Delta R.T. -0.45 min
Lab File: BG032709.D
Acq: 15 Feb 2018 10:16

Tgt Ion:248 Resp: 16488
Ion Ratio Lower Upper
248 100
250 182.0 77.1 115.7#
141 320.6 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: 22.35 min Scan# 3245

Delta R.T. -0.02 min

Lab File: BG032709.D

Acq: 15 Feb 2018 10:16

Instrument :

BNA_G

ClientSampleId :

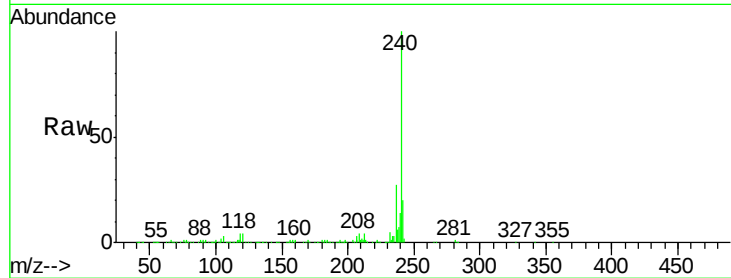
Tot Ion:240 Resp: 328746

Ion Ratio Lower Upper

240 100

120 4.0 6.8 10.2#

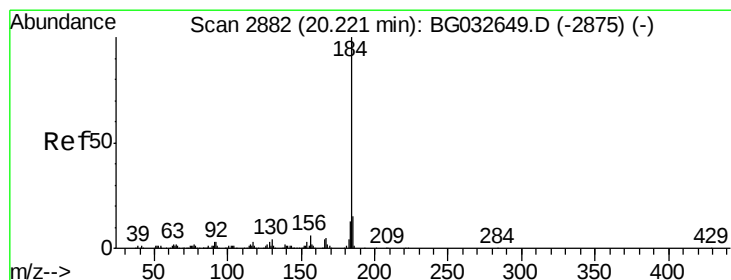
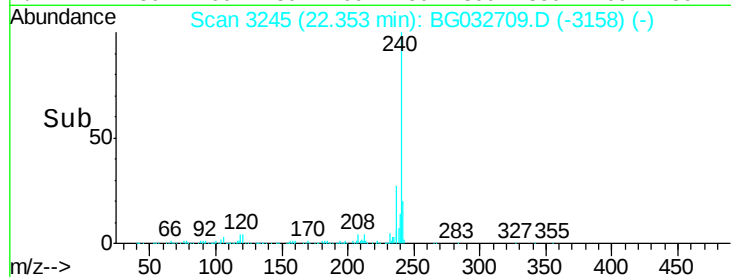
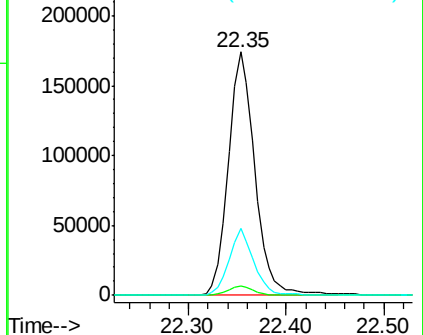
236 27.5 20.9 31.3



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: 3.042 ng

RT: 20.58 min Scan# 2943

Delta R.T. 0.36 min

Lab File: BG032709.D

Acq: 15 Feb 2018 10:16

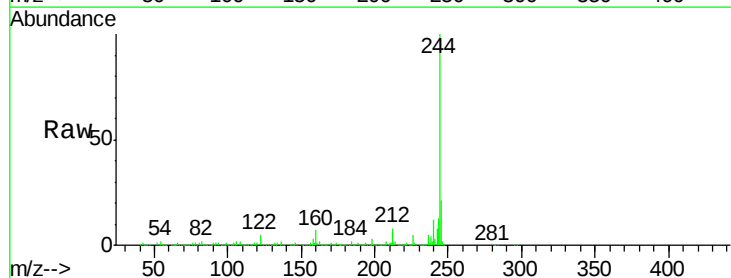
Tgt Ion:184 Resp: 23545

Ion Ratio Lower Upper

184 100

185 19.0 11.1 16.7#

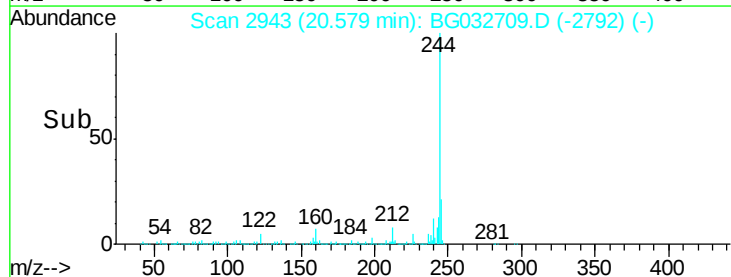
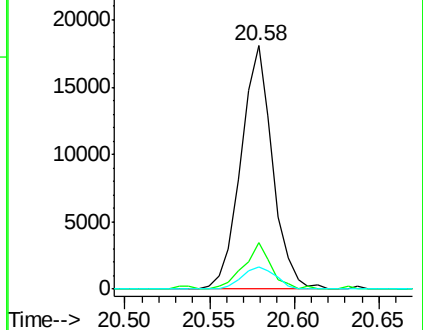
183 9.2 10.6 16.0#

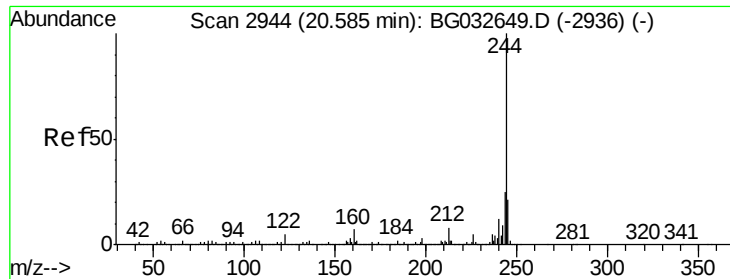


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 103.882 ng

RT: 20.58 min Scan# 2943

Delta R.T. -0.01 min

Lab File: BG032709.D

Acq: 15 Feb 2018 10:16

Instrument :

BNA_G

ClientSampled :

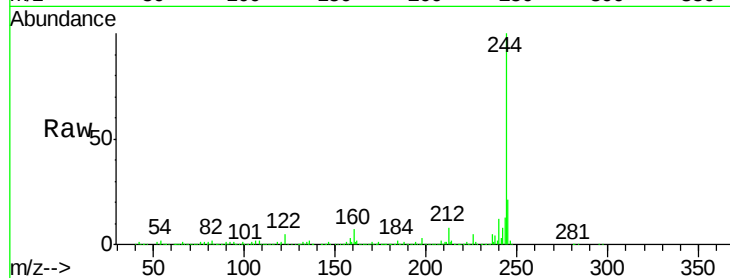
Tot Ion:244 Resp: 1498362

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

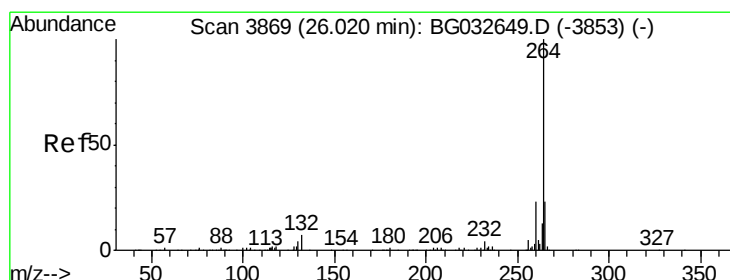
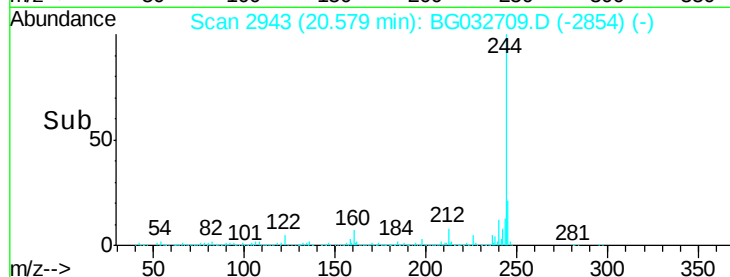
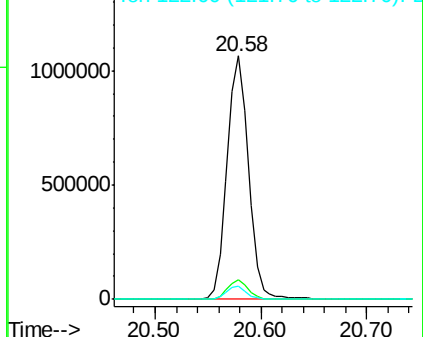
122 5.2 7.0 10.4#



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: 26.00 min Scan# 3865

Delta R.T. -0.02 min

Lab File: BG032709.D

Acq: 15 Feb 2018 10:16

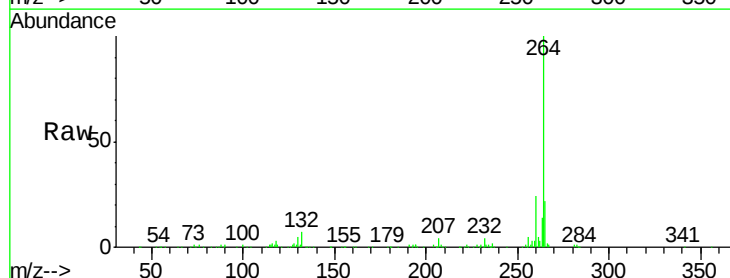
Tgt Ion:264 Resp: 337686

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

