

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022718\
 Data File : BG032852.D
 Acq On : 27 Feb 2018 13:18
 Operator : SJ/JU
 Sample : J1395-04
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 28 02:35:09 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 26 17:50:45 2018
 Response via : Initial Calibration

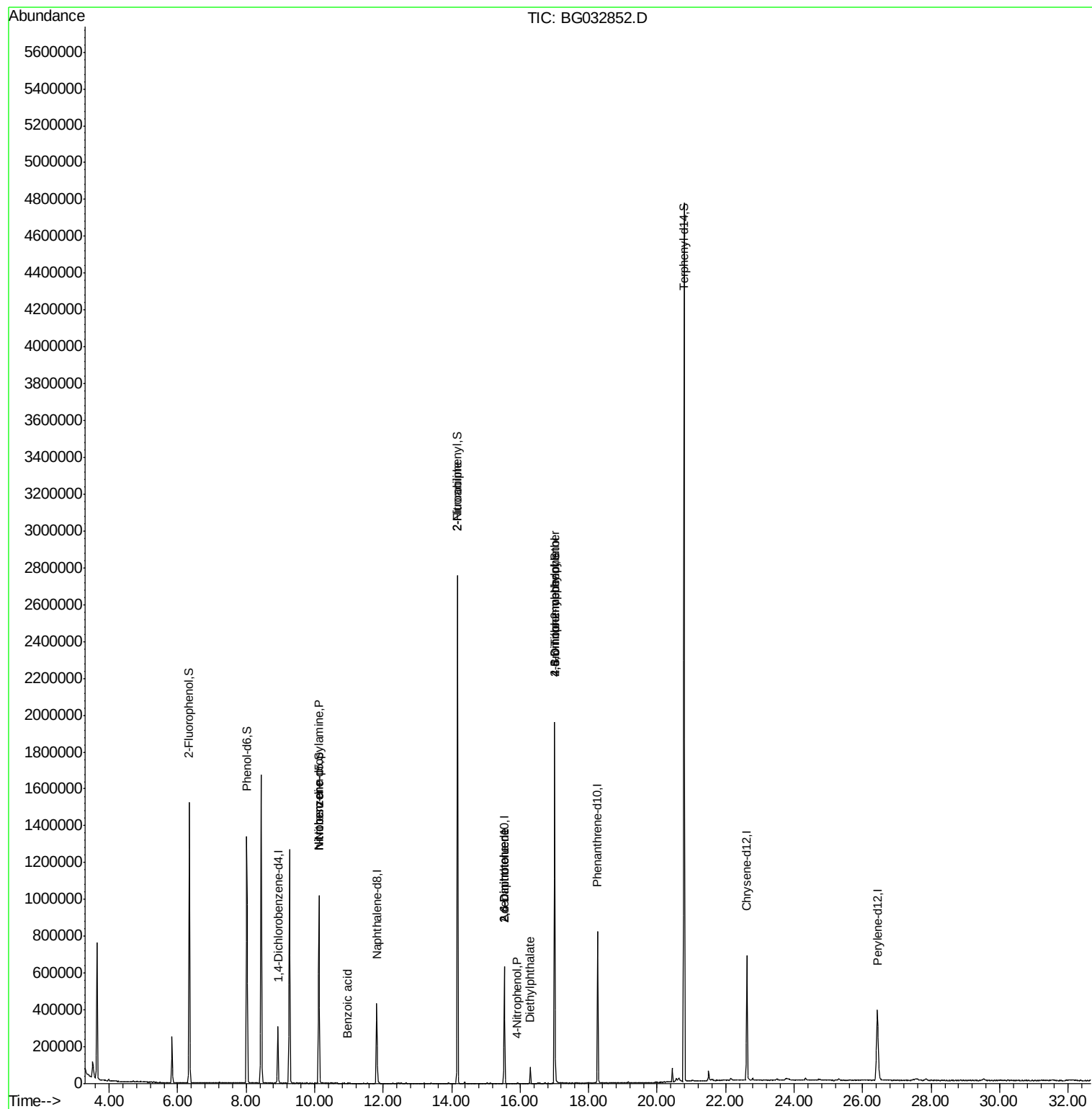
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	92322	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	395812	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	223098	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	494978	20.00	ng	0.00
75) Chrysene-d12	22.62	240	454140	20.00	ng	-0.01
86) Perylene-d12	26.43	264	468151	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.34	112	740107	128.25	ng	0.00
7) Phenol-d6	8.02	99	885192	110.05	ng	0.00
23) Nitrobenzene-d5	10.12	82	641294	109.23	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	352919	150.45	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1389435	89.82	ng	0.00
78) Terphenyl-d14	20.78	244	2063430	102.08	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.12	70	82501	14.53	ng	# 84
24) Nitrobenzene	10.12	77	2098	6.67	ng	# 42
32) Benzoic acid	10.96	122	78	5.84	ng	# 29
47) 2-Nitroaniline	14.17	65	2526	10.38	ng	# 1
50) 2,6-Dinitrotoluene	15.54	165	28679	16.35	ng	# 19
55) 4-Nitrophenol	15.93	139	146	7.12	ng	# 1
56) 2,4-Dinitrotoluene	15.54	165	28679	14.55	ng	# 17
59) Diethylphthalate	16.30	149	50078	2.51	ng	97
64) 4,6-Dinitro-2-methylphenol	17.01	198	1220	5.99	ng	# 1
66) 4-Bromophenyl-phenylether	17.01	248	25442	4.86	ng	# 1

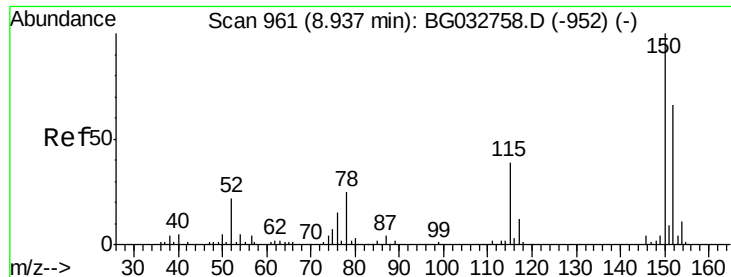
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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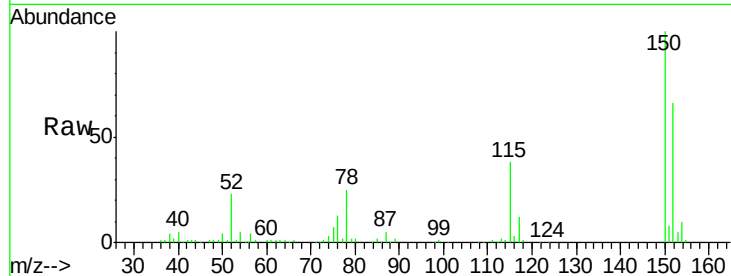


#1

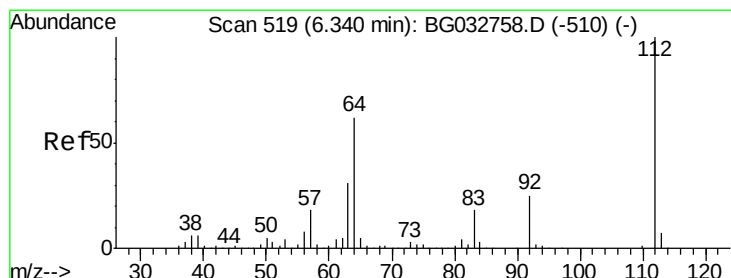
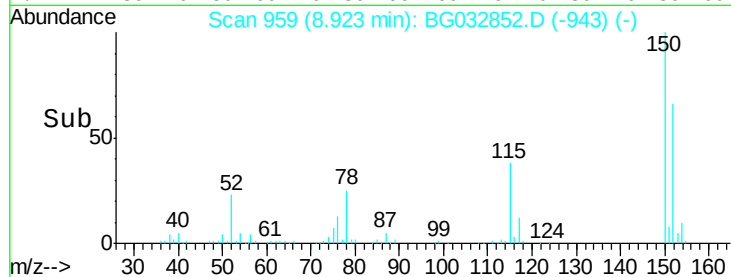
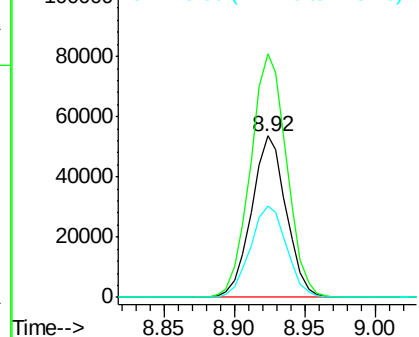
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.92 min Scan# 959
Delta R.T. -0.00 min
Lab File: BG032852.D
Acq: 27 Feb 2018 13:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 92322
Ion Ratio Lower Upper
152 100
150 151.0 126.6 189.8
115 56.8 53.0 79.4



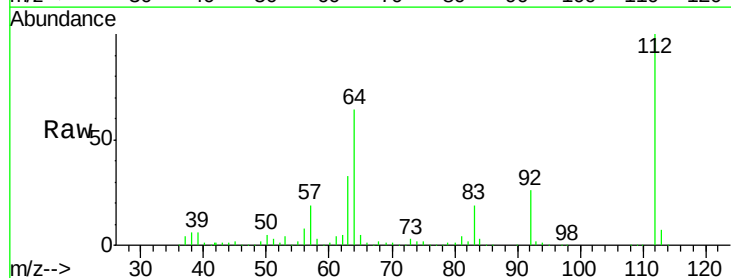
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



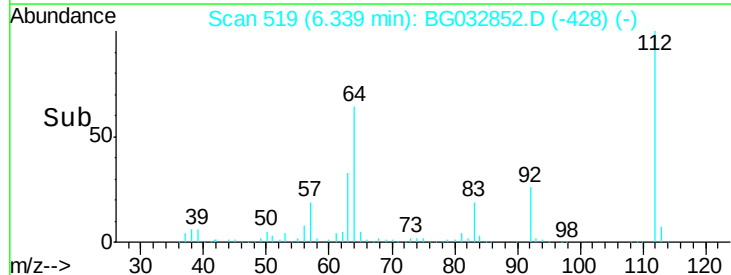
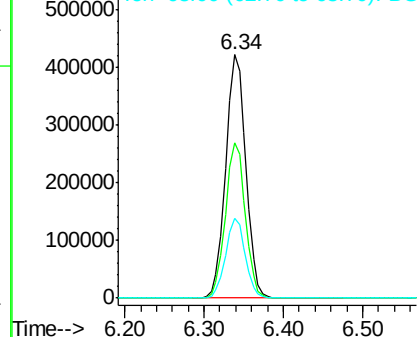
#5

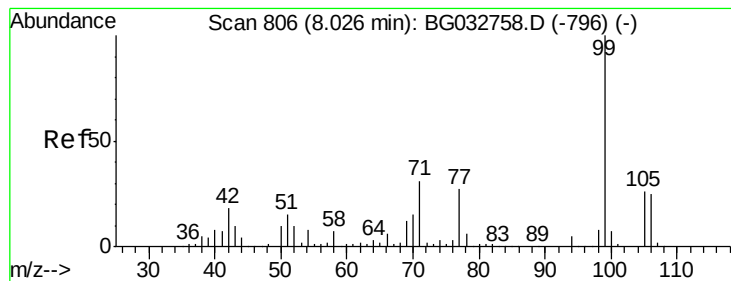
2-Fluorophenol
Concen: 128.25 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.00 min
Lab File: BG032852.D
Acq: 27 Feb 2018 13:18

Tgt Ion:112 Resp: 740107
Ion Ratio Lower Upper
112 100
64 63.6 56.3 84.5
63 33.0 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: 110.05 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032852.D

Acq: 27 Feb 2018 13:18

Instrument :

BNA_G

ClientSampleId :

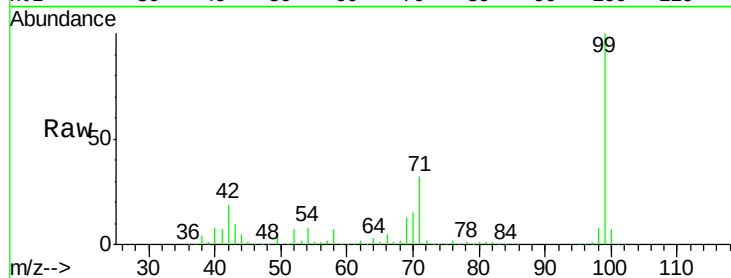
Tot Ion: 99 Resp: 885192

Ion Ratio Lower Upper

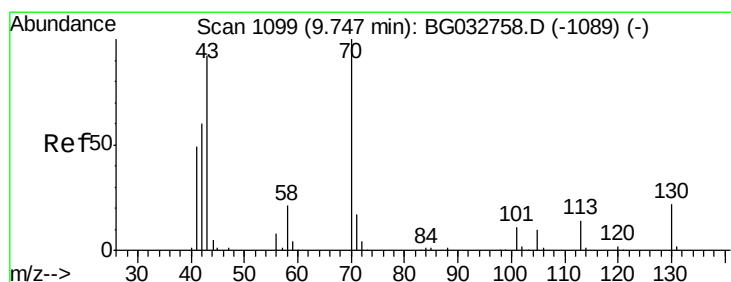
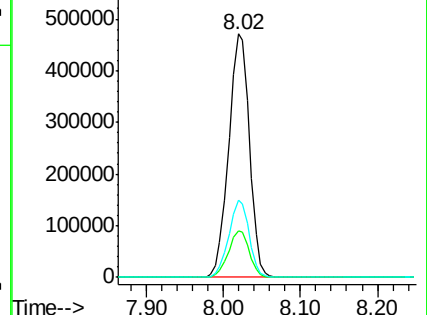
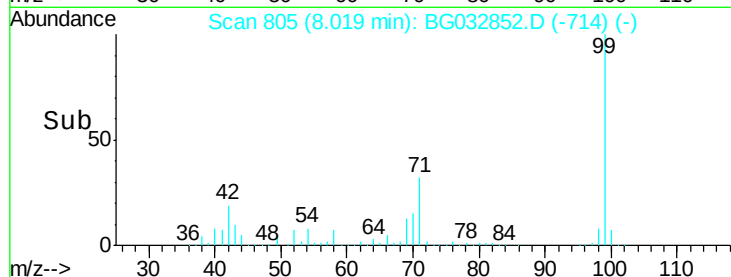
99 100

42 19.1 14.1 21.1

71 31.6 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: 14.53 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.38 min

Lab File: BG032852.D

Acq: 27 Feb 2018 13:18

Tgt Ion: 70 Resp: 82501

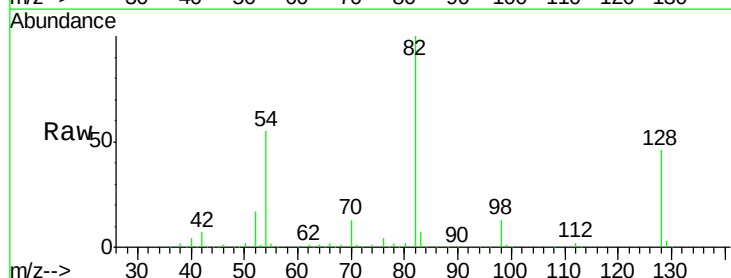
Ion Ratio Lower Upper

70 100

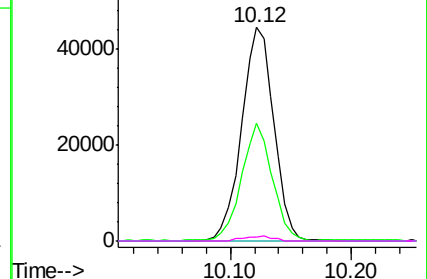
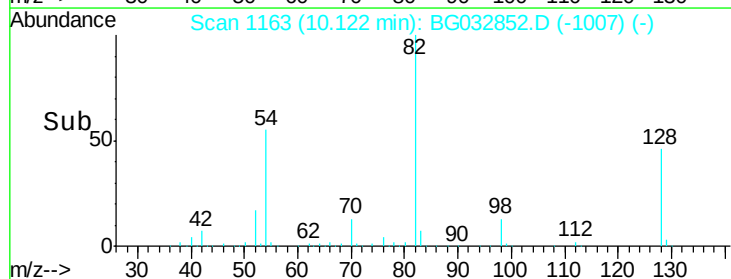
42 54.9 49.1 73.7

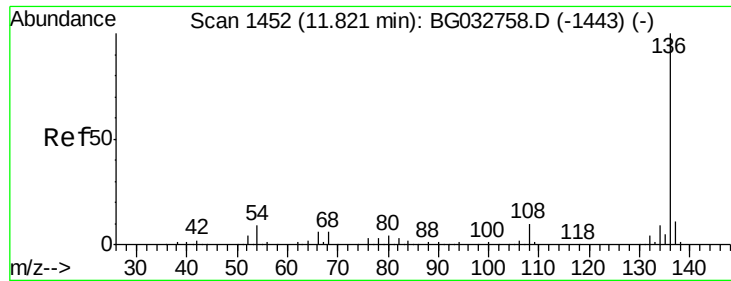
101 0.0 8.5 12.7#

130 2.1 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

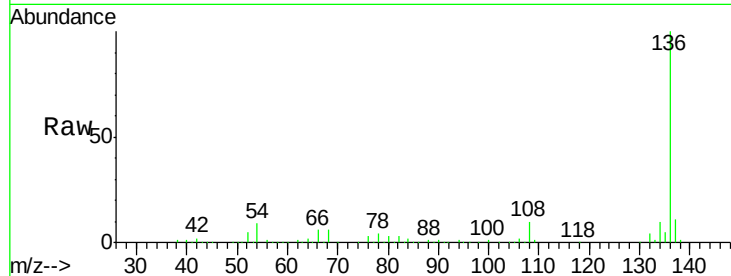




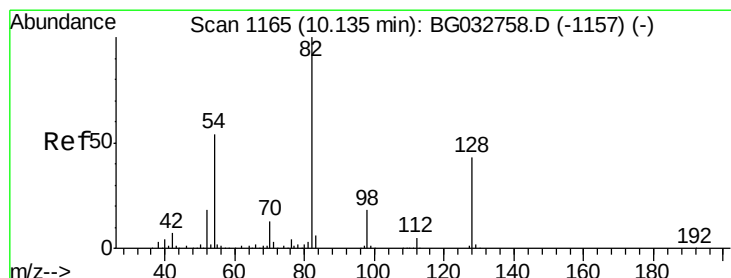
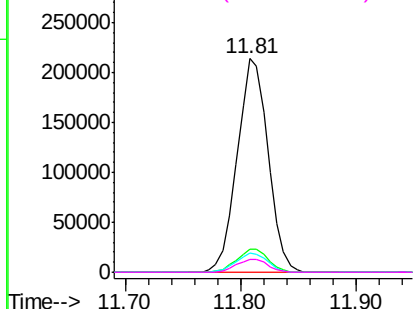
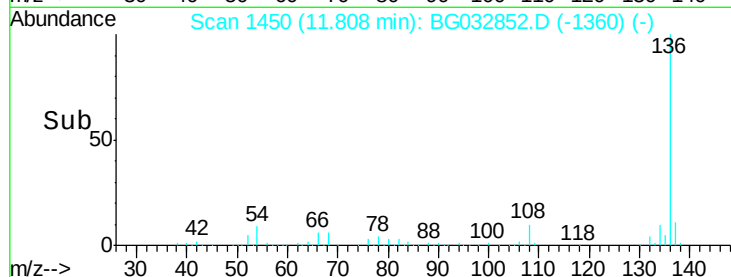
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.81 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BG032852.D
Acq: 27 Feb 2018 13:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	395812
Ion Ratio	Lower	Upper
136	100	
137	10.7	9.2 13.8
54	9.1	10.3 15.5#
68	6.1	4.5 6.7

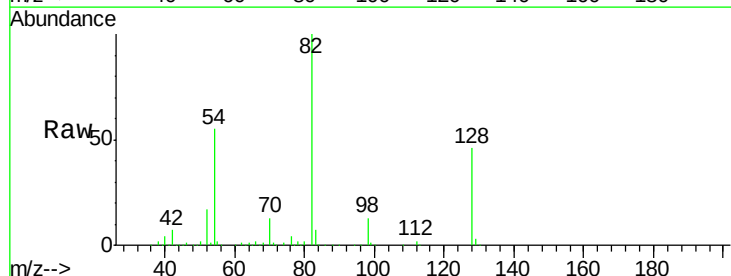


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

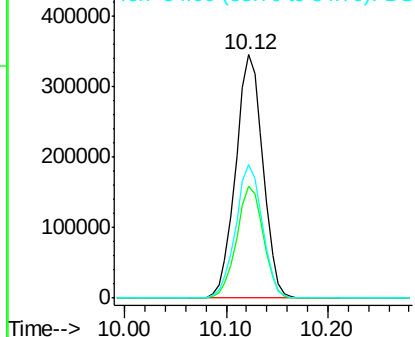
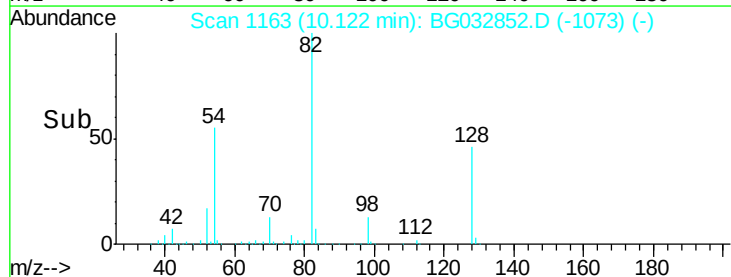


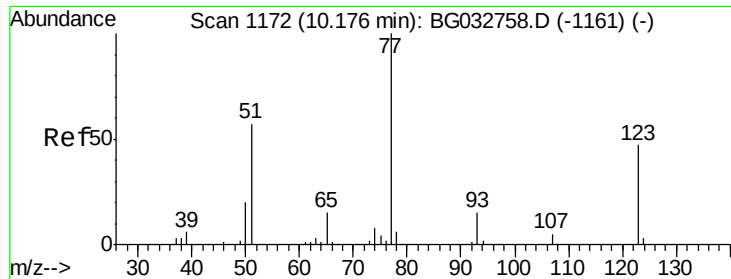
#23
Nitrobenzene-d5
Concen: 109.23 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BG032852.D
Acq: 27 Feb 2018 13:18

Tgt Ion: 82	Resp:	641294
Ion Ratio	Lower	Upper
82	100	
128	46.2	29.7 44.5#
54	55.0	43.1 64.7



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





#24

Nitrobenzene

Concen: 6.67 ng

RT: 10.12 min Scan# 1163

Delta R.T. -0.04 min

Lab File: BG032852.D

Acq: 27 Feb 2018 13:18

Instrument :

BNA_G

ClientSampled :

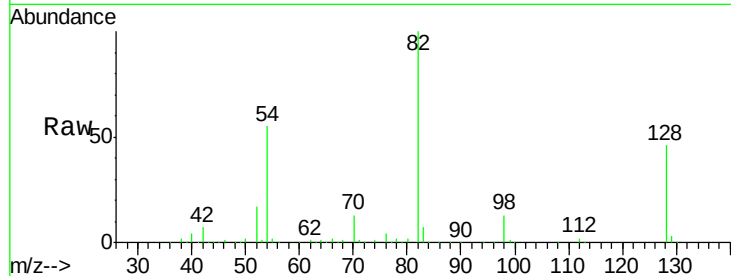
Tot Ion: 77 Resp: 2098

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

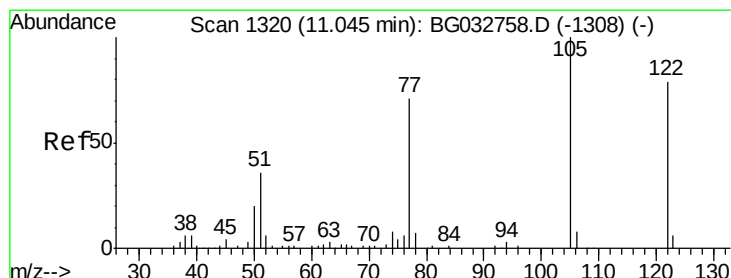
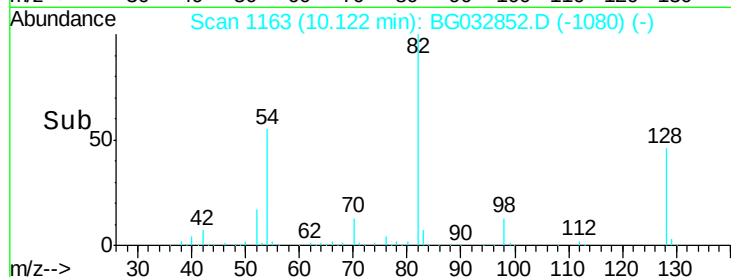
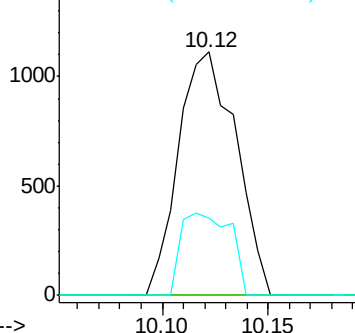
65 32.0 13.0 19.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC



#32

Benzoic acid

Concen: 5.84 ng

RT: 10.96 min Scan# 1306

Delta R.T. -0.08 min

Lab File: BG032852.D

Acq: 27 Feb 2018 13:18

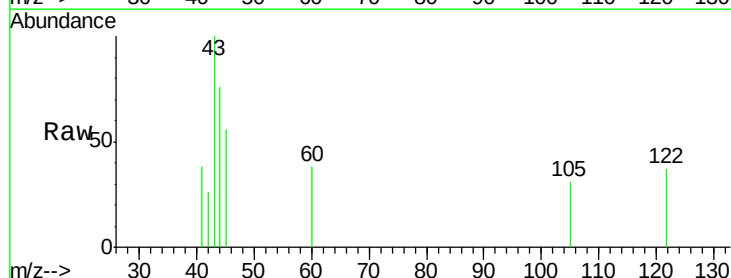
Tgt Ion: 122 Resp: 78

Ion Ratio Lower Upper

122 100

105 85.1 123.5 163.5#

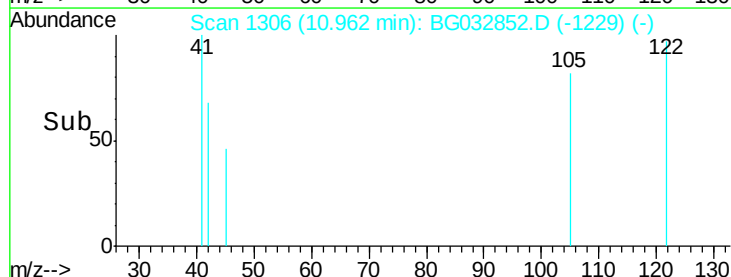
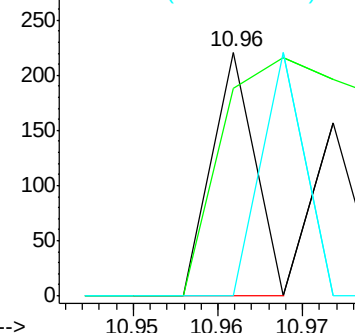
77 0.0 85.7 125.7#

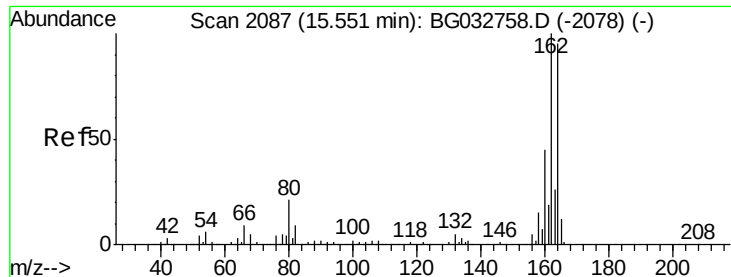


Abundance Ion 122.00 (121.70 to 122.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 77.00 (76.70 to 77.70): BGC





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.00 min

Lab File: BG032852.D

Acq: 27 Feb 2018 13:18

Instrument :

BNA_G

ClientSampleId :

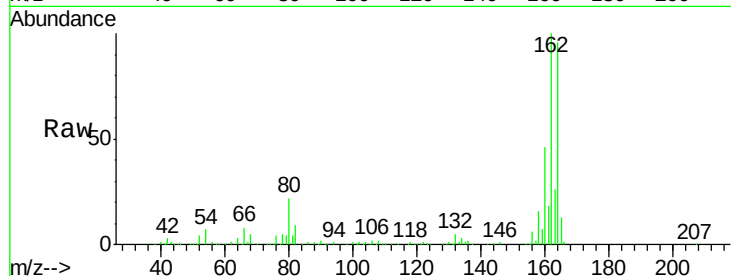
Tot Ion:164 Resp: 223098

Ion Ratio Lower Upper

164 100

162 104.3 78.8 118.2

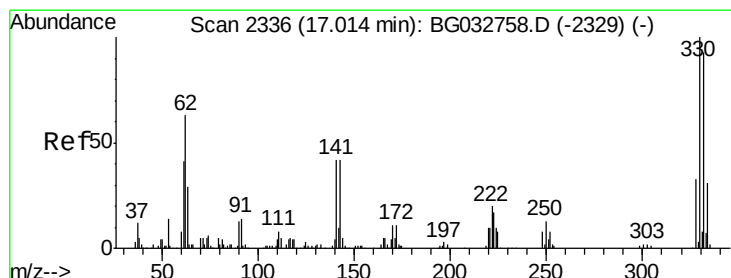
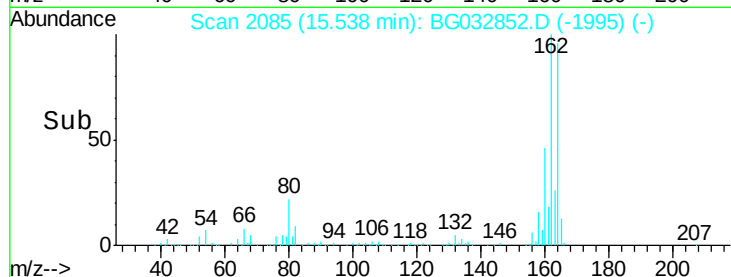
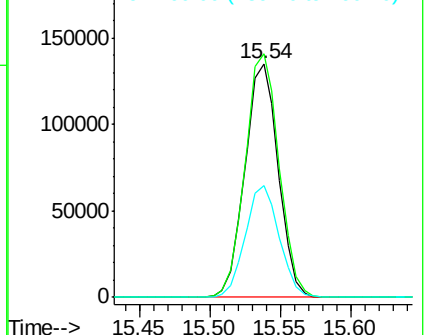
160 48.0 35.4 53.0



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: 150.45 ng

RT: 17.01 min Scan# 2335

Delta R.T. -0.00 min

Lab File: BG032852.D

Acq: 27 Feb 2018 13:18

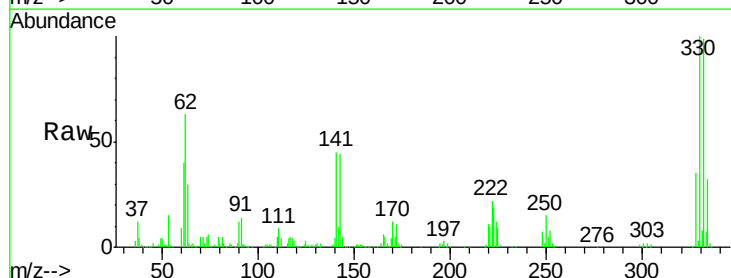
Tgt Ion:330 Resp: 352919

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

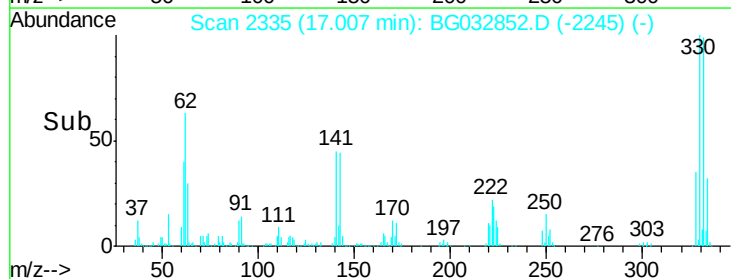
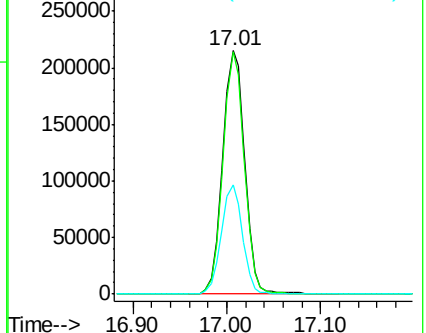
141 43.3 25.2 37.8#

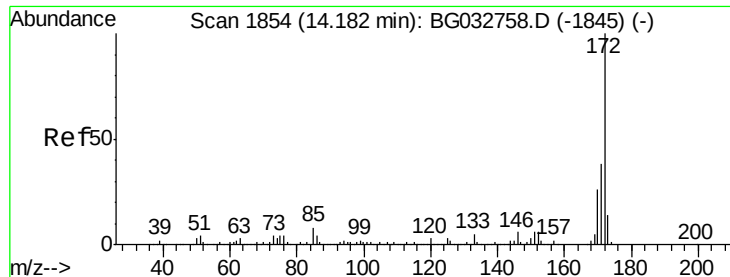


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 89.82 ng

RT: 14.17 min Scan# 1852

Delta R.T. -0.00 min

Lab File: BG032852.D

Acq: 27 Feb 2018 13:18

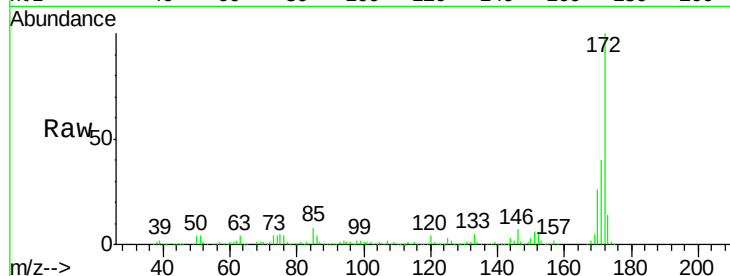
Instrument :

BNA_G

ClientSampled :

Tot Ion:172 Resp: 1389435

Ion	Ratio	Lower	Upper
172	100		
171	40.4	30.0	45.0
170	26.0	19.5	29.3

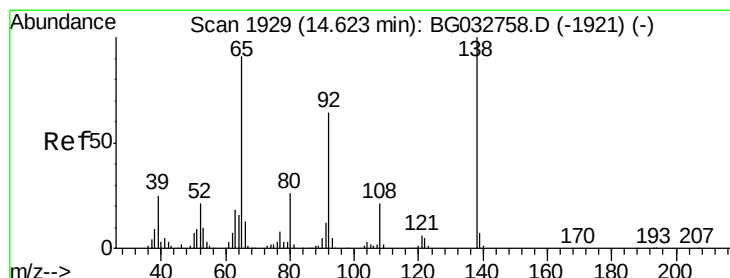
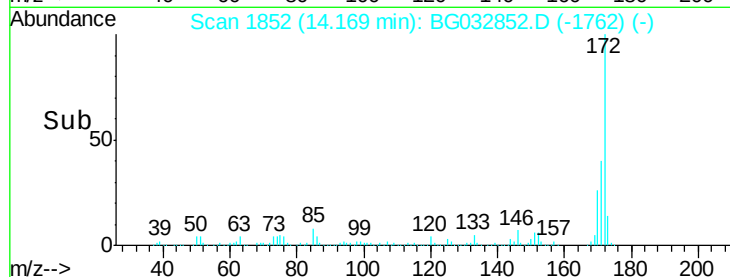
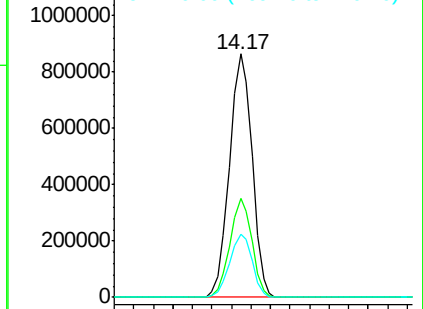


Abundance

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



#47

2-Nitroaniline

Concen: 10.38 ng

RT: 14.17 min Scan# 1852

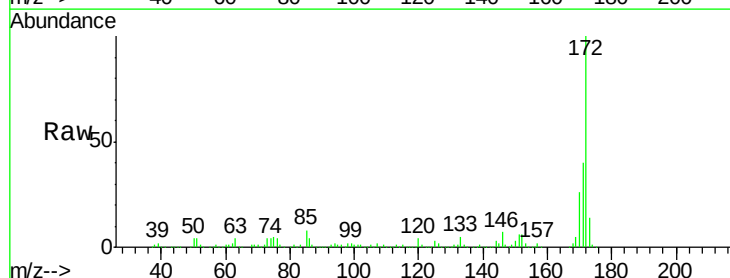
Delta R.T. -0.45 min

Lab File: BG032852.D

Acq: 27 Feb 2018 13:18

Tgt Ion: 65 Resp: 2526

Ion	Ratio	Lower	Upper
65	100		
92	195.5	54.6	82.0#
138	25.1	72.9	109.3#

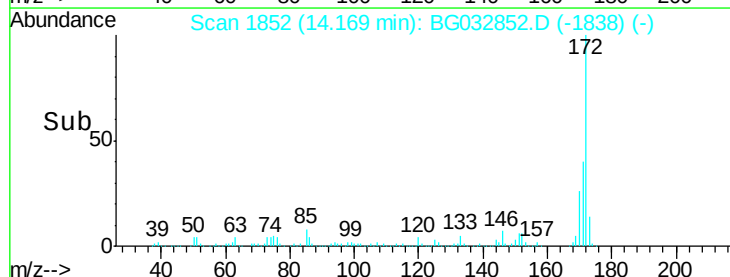
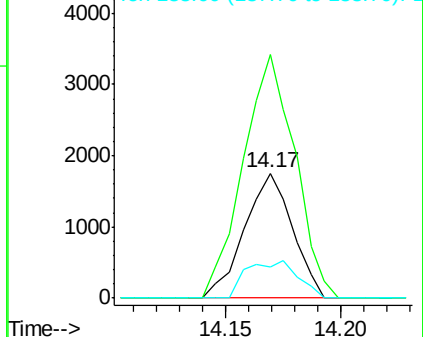


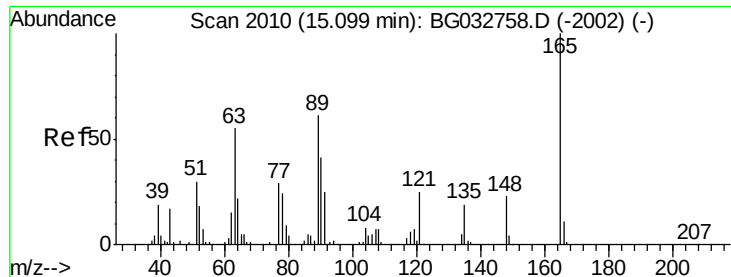
Abundance

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): BGC

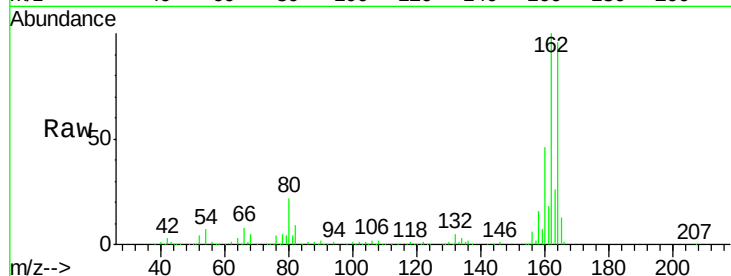




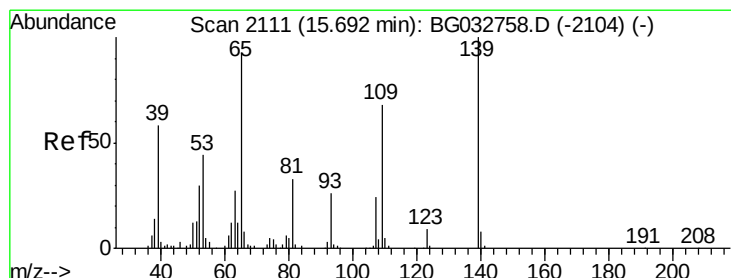
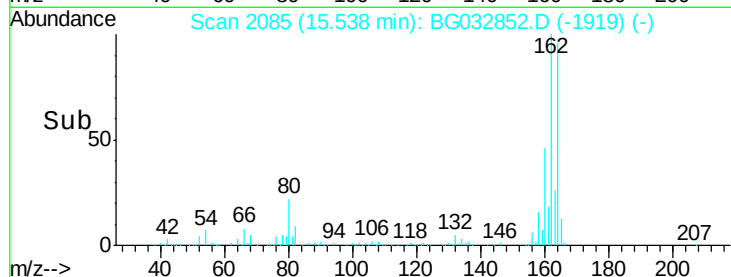
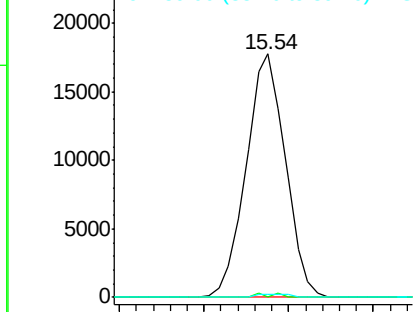
#50
2,6-Dinitrotoluene
Concen: 16.35 ng
RT: 15.54 min Scan# 2085
Delta R.T. 0.44 min
Lab File: BG032852.D
Acq: 27 Feb 2018 13:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 28679
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 1.3 49.2 73.8#

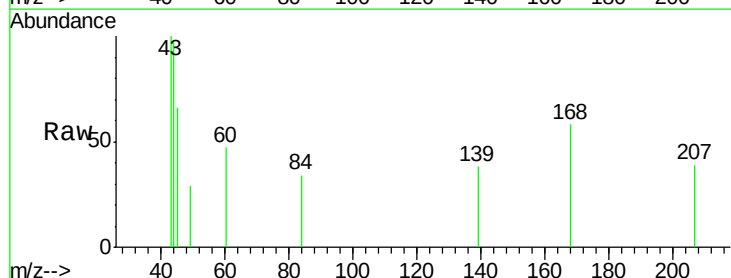


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGO
Ion 89.00 (88.70 to 89.70): BGO

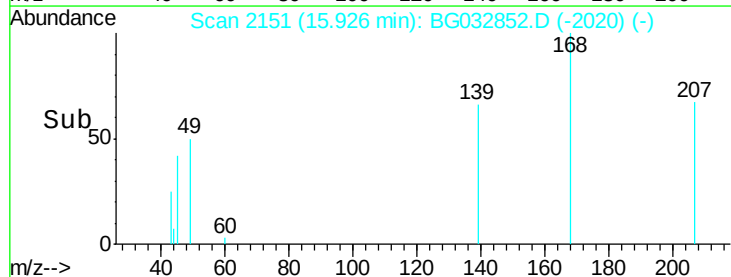
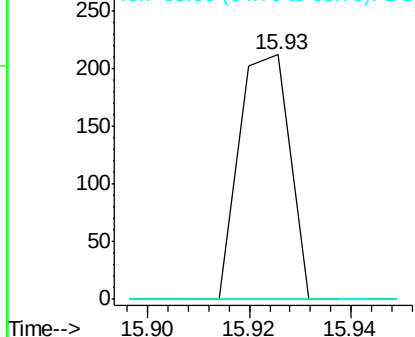


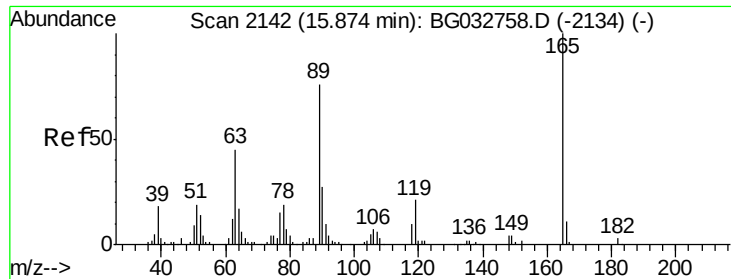
#55
4-Nitrophenol
Concen: 7.12 ng
RT: 15.93 min Scan# 2151
Delta R.T. 0.24 min
Lab File: BG032852.D
Acq: 27 Feb 2018 13:18

Tgt Ion:139 Resp: 146
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): BGO





#56

2,4-Dinitrotoluene

Concen: 14.55 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.33 min

Lab File: BG032852.D

Acq: 27 Feb 2018 13:18

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 28679

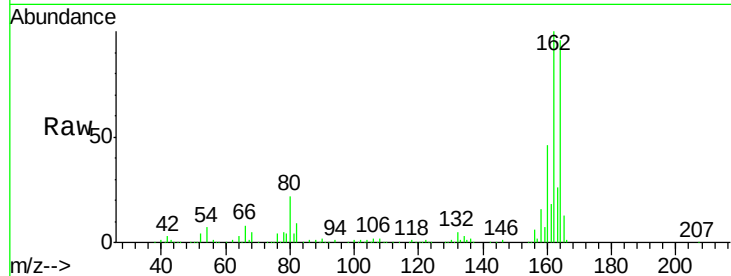
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 1.3 66.9 100.3#

182 0.0 2.6 3.8#

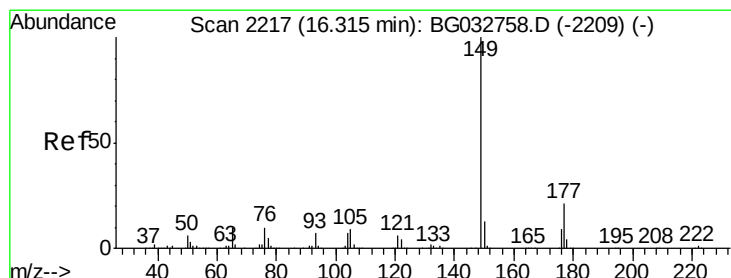
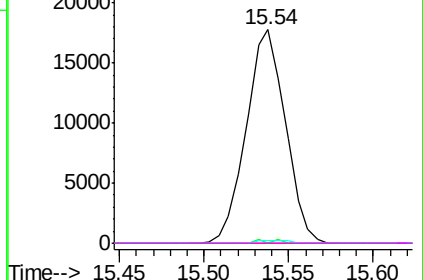
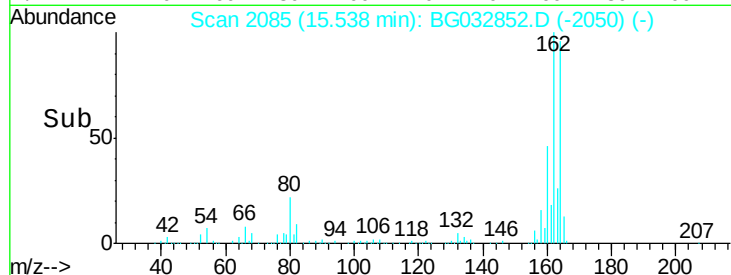


Abundance Ion 165.00 (164.70 to 165.70): E

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



#59

Diethylphthalate

Concen: 2.51 ng

RT: 16.30 min Scan# 2214

Delta R.T. -0.01 min

Lab File: BG032852.D

Acq: 27 Feb 2018 13:18

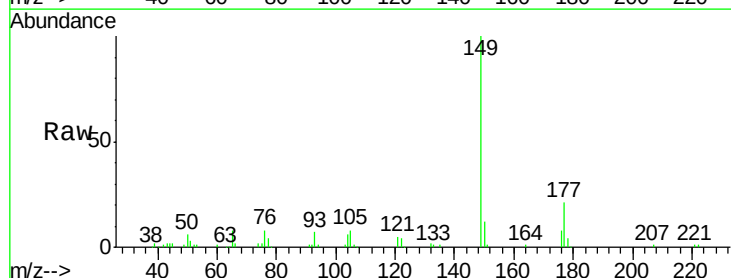
Tgt Ion:149 Resp: 50078

Ion Ratio Lower Upper

149 100

177 21.5 18.5 27.7

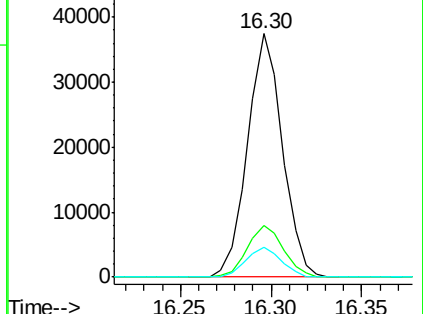
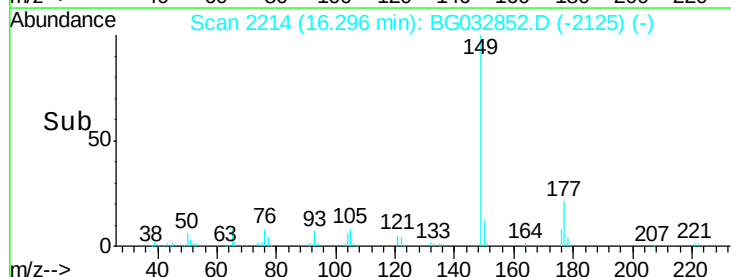
150 12.2 10.2 15.2

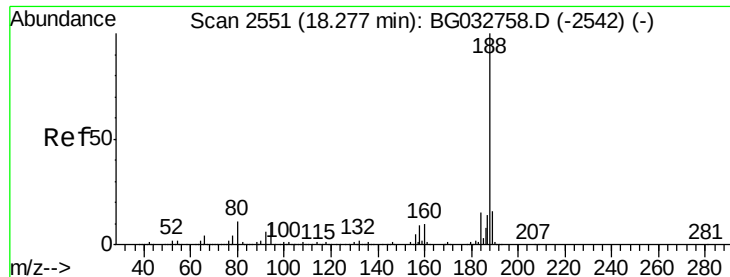


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.26 min Scan# 2549

Delta R.T. -0.00 min

Lab File: BG032852.D

Acq: 27 Feb 2018 13:18

Instrument :

BNA_G

ClientSampleId :

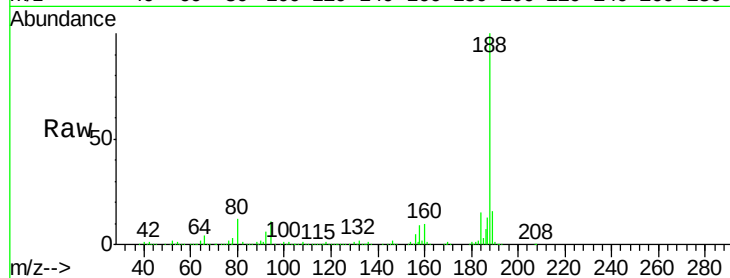
Tot Ion:188 Resp: 494978

Ion Ratio Lower Upper

188 100

94 10.6 6.9 10.3#

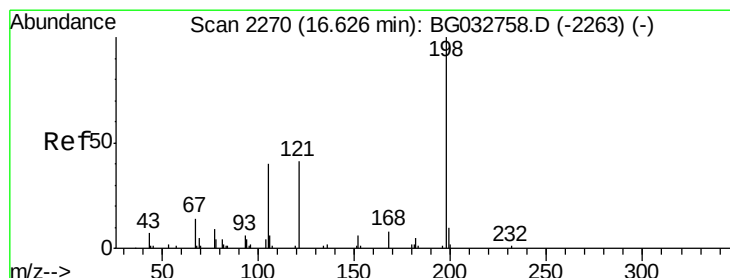
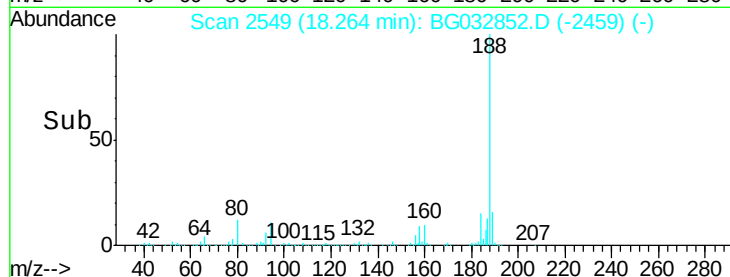
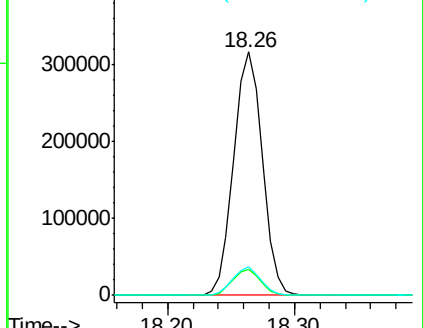
80 11.9 7.7 11.5#



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: 5.99 ng

RT: 17.01 min Scan# 2335

Delta R.T. 0.38 min

Lab File: BG032852.D

Acq: 27 Feb 2018 13:18

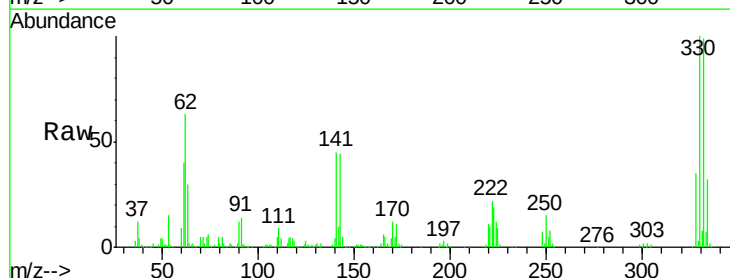
Tgt Ion:198 Resp: 1220

Ion Ratio Lower Upper

198 100

51 134.9 30.6 70.6#

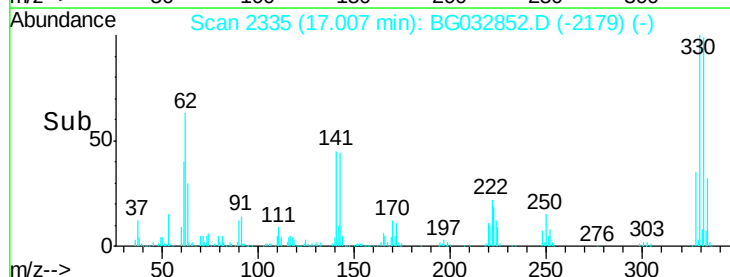
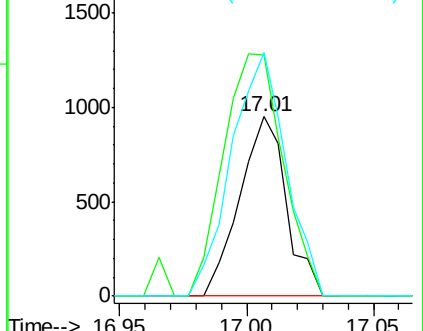
105 136.0 23.8 63.8#

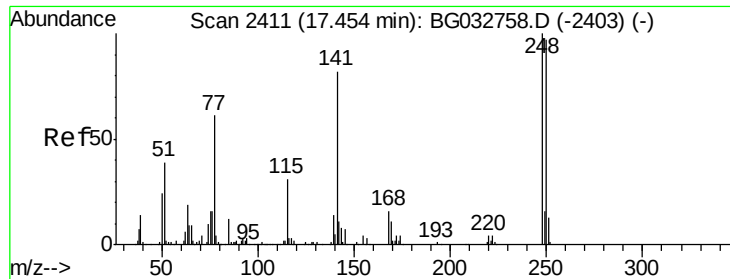


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

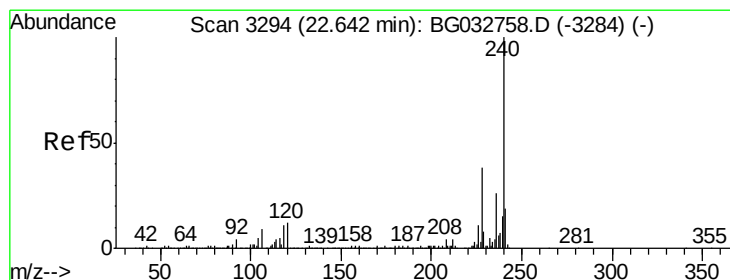
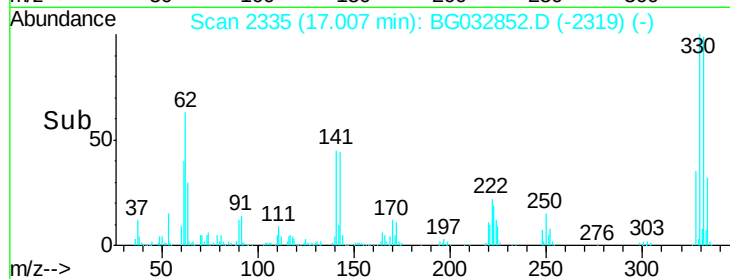
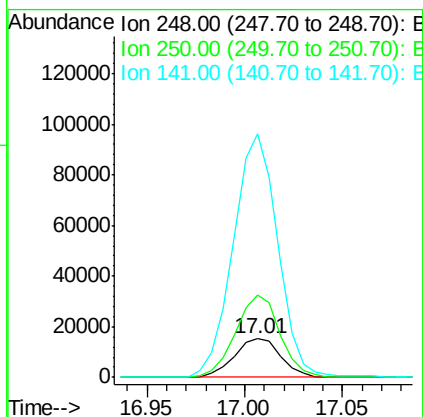
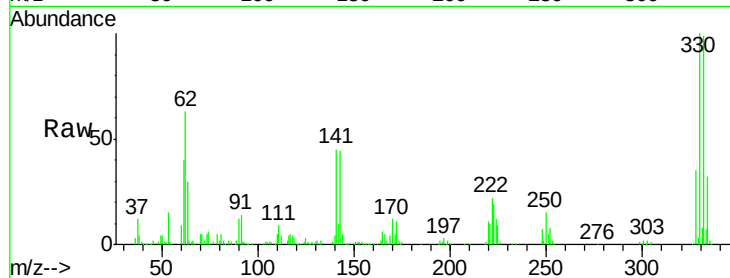




#66
 4-Bromophenyl-phenylether
 Concen: 4.86 ng
 RT: 17.01 min Scan# 2335
 Delta R.T. -0.44 min
 Lab File: BG032852.D
 Acq: 27 Feb 2018 13:18

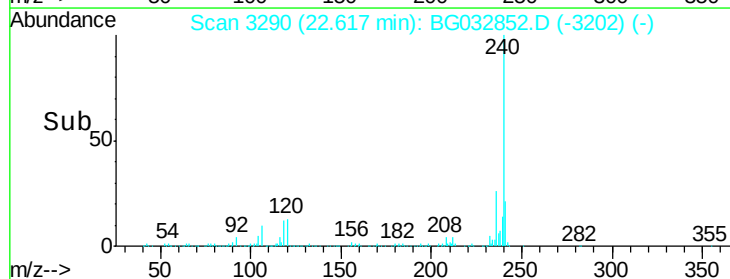
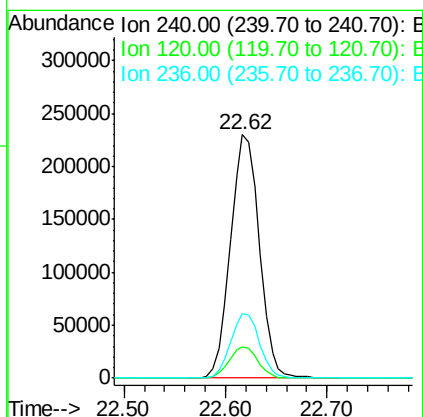
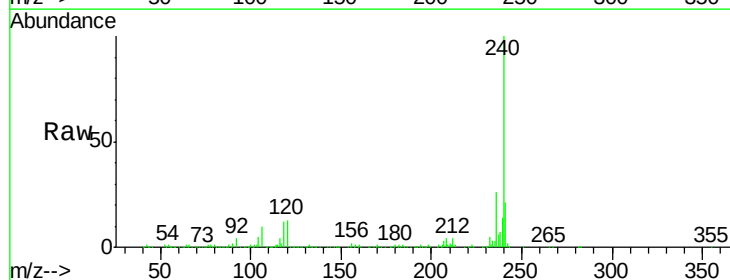
Instrument :
 BNA_G
 ClientSampleId :

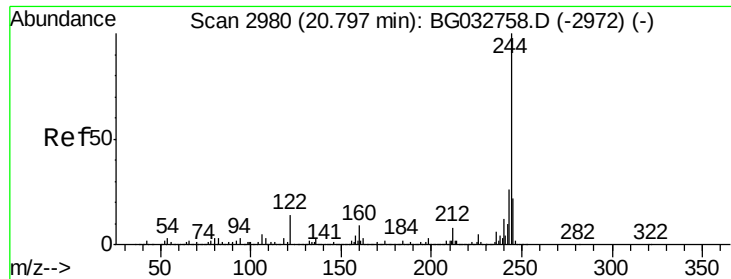
Tot Ion:248 Resp: 25442
 Ion Ratio Lower Upper
 248 100
 250 213.1 77.1 115.7#
 141 628.5 50.8 76.2#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 22.62 min Scan# 3290
 Delta R.T. -0.01 min
 Lab File: BG032852.D
 Acq: 27 Feb 2018 13:18

Tgt Ion:240 Resp: 454140
 Ion Ratio Lower Upper
 240 100
 120 12.9 6.8 10.2#
 236 26.3 20.9 31.3





#78

Terphenyl-d14

Concen: 102.08 ng

RT: 20.78 min Scan# 2978

Delta R.T. -0.00 min

Lab File: BG032852.D

Acq: 27 Feb 2018 13:18

Instrument :

BNA_G

ClientSampleId :

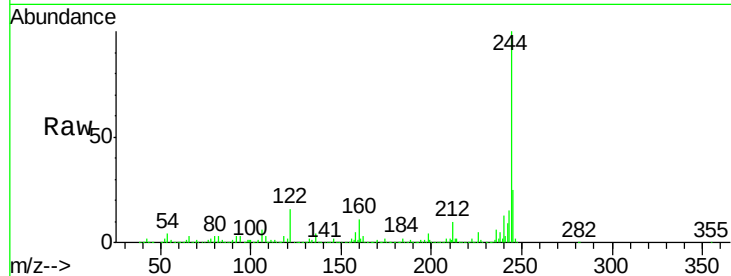
Tot Ion:244 Resp: 2063430

Ion Ratio Lower Upper

244 100

212 9.5 5.8 8.8#

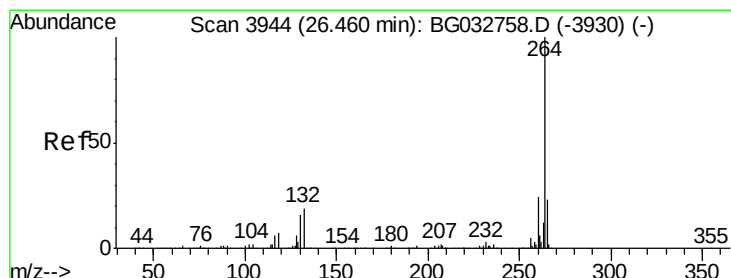
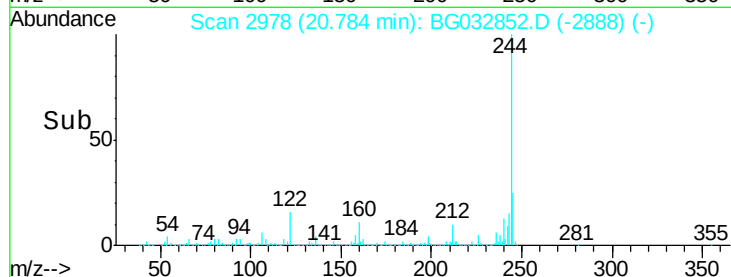
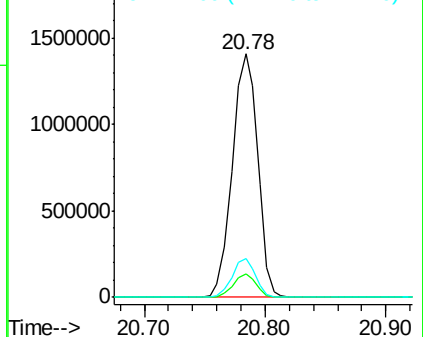
122 16.0 7.0 10.4#



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: 26.43 min Scan# 3939

Delta R.T. -0.01 min

Lab File: BG032852.D

Acq: 27 Feb 2018 13:18

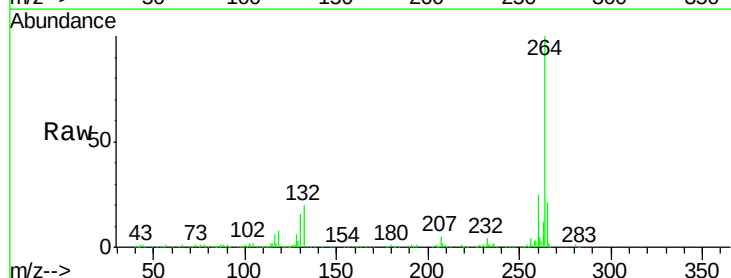
Tgt Ion:264 Resp: 468151

Ion Ratio Lower Upper

264 100

260 24.6 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

