

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022318\
 Data File : BG032807.D
 Acq On : 24 Feb 2018 1:50
 Operator : SJ/JU
 Sample : PB106794BL
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 24 05:22:15 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 17:04:54 2018
 Response via : Initial Calibration

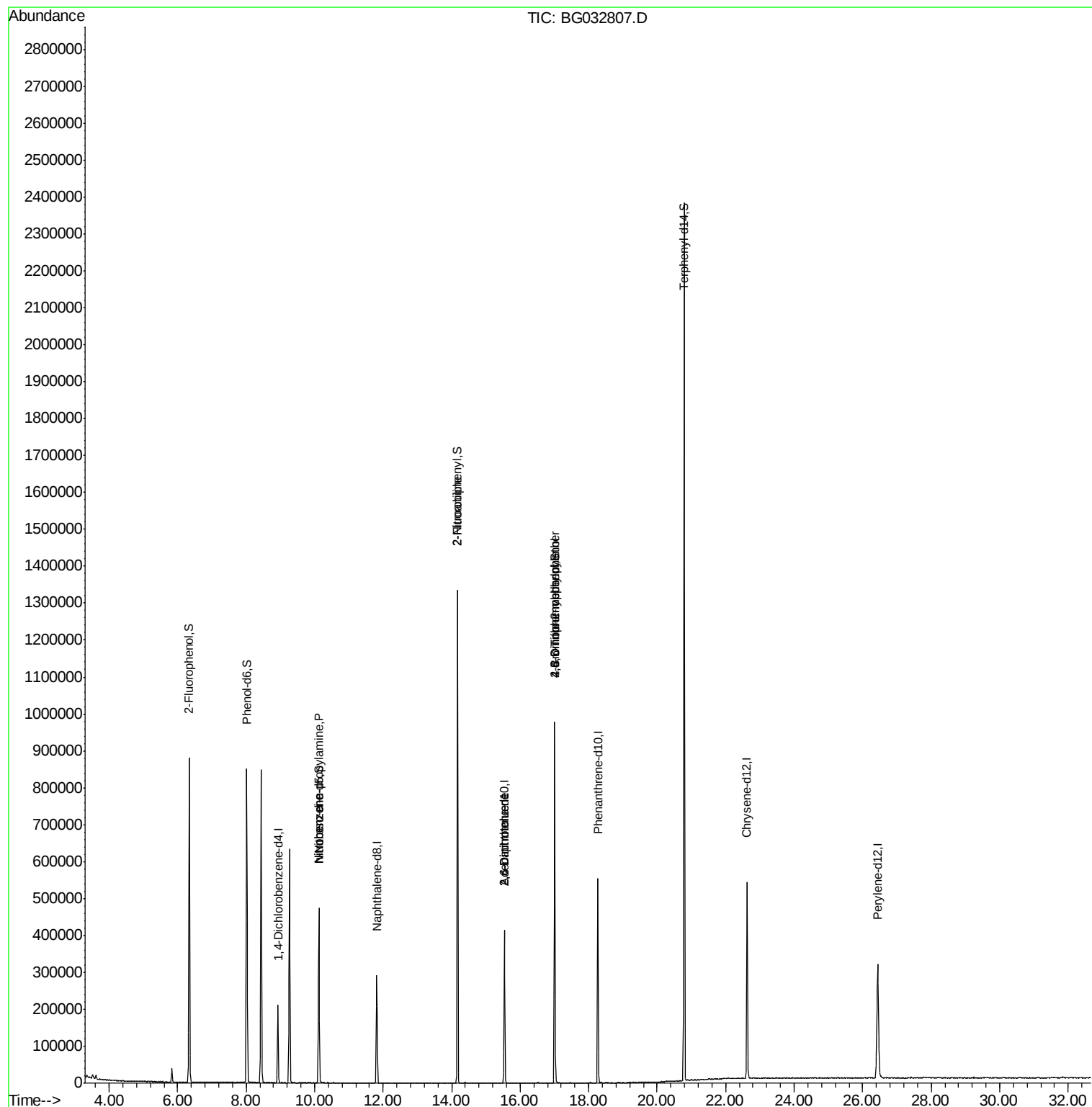
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	63196	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	269077	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	144469	20.00	ng	0.00
63) Phenanthrene-d10	18.27	188	344382	20.00	ng	0.00
75) Chrysene-d12	22.62	240	351681	20.00	ng	0.00
86) Perylene-d12	26.44	264	366099	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.34	112	425732	107.78	ng	0.00
7) Phenol-d6	8.02	99	552409	100.33	ng	0.00
23) Nitrobenzene-d5	10.12	82	296343	77.43	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	172110	113.30	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	697161	69.60	ng	0.00
78) Terphenyl-d14	20.79	244	1118492	71.46	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.12	70	37716	9.70	ng	# 82
24) Nitrobenzene	10.12	77	663	6.51	ng	# 13
47) 2-Nitroaniline	14.18	65	1018	10.18	ng	# 4
50) 2,6-Dinitrotoluene	15.54	165	19140	16.58	ng	# 21
56) 2,4-Dinitrotoluene	15.54	165	19140	14.78	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.01	198	459	5.52	ng	# 1
66) 4-Bromophenyl-phenylether	17.01	248	12136	3.33	ng	# 1

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

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Quant Time: Feb 24 05:22:15 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 23 17:04:54 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.92 min Scan# 959

Delta R.T. -0.00 min

Lab File: BG032807.D

Acq: 24 Feb 2018 1:50

Instrument :

BNA_G

ClientSampled :

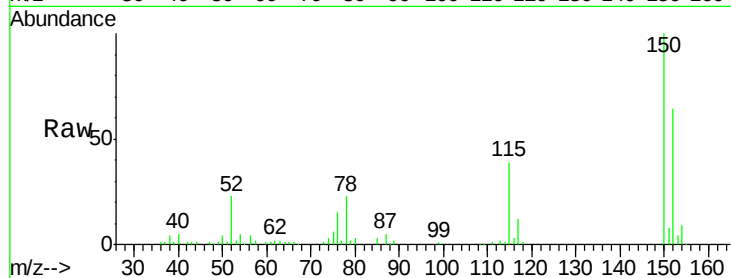
Tot Ion:152 Resp: 63196

Ion Ratio Lower Upper

152 100

150 157.1 126.6 189.8

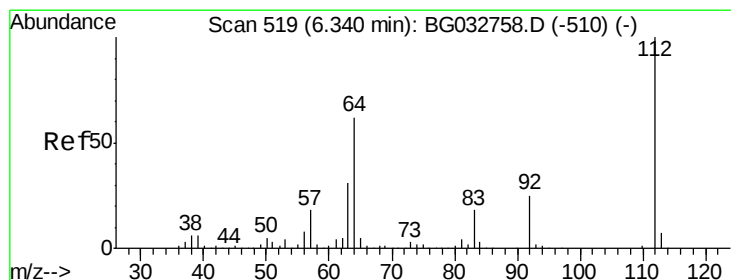
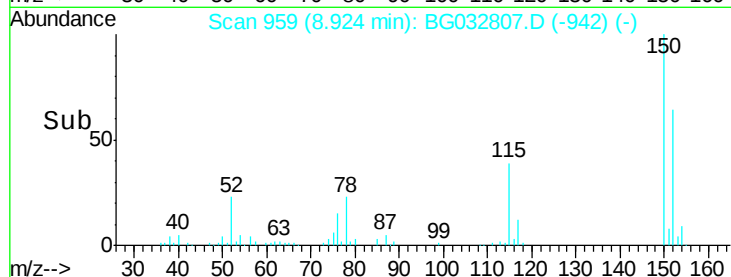
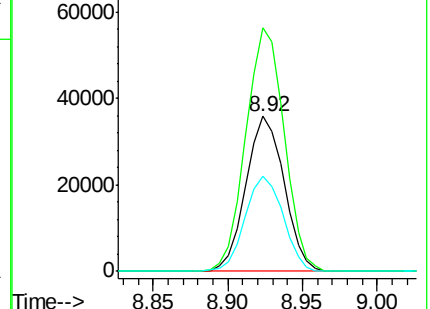
115 61.1 53.0 79.4



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: 107.78 ng

RT: 6.34 min Scan# 519

Delta R.T. 0.01 min

Lab File: BG032807.D

Acq: 24 Feb 2018 1:50

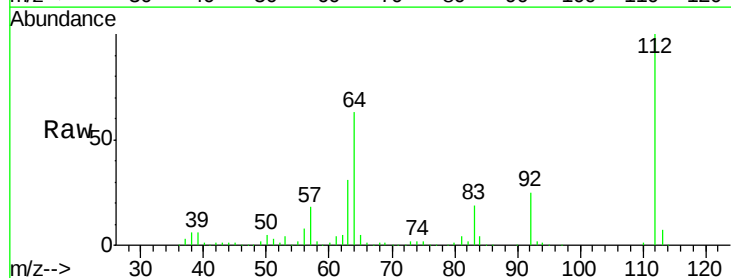
Tgt Ion:112 Resp: 425732

Ion Ratio Lower Upper

112 100

64 63.3 56.3 84.5

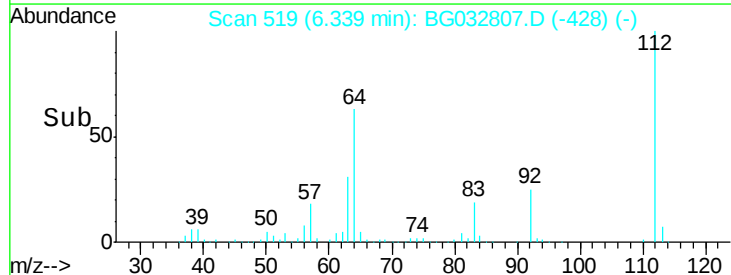
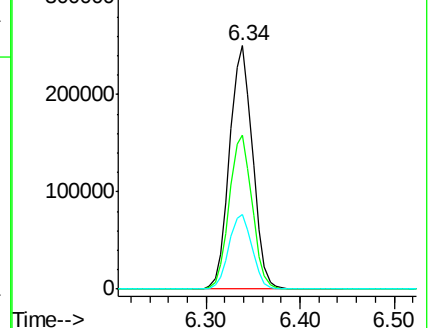
63 30.9 30.1 45.1



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: 100.33 ng

RT: 8.02 min Scan# 805

Delta R.T. -0.00 min

Lab File: BG032807.D

Acq: 24 Feb 2018 1:50

Instrument :

BNA_G

ClientSampleId :

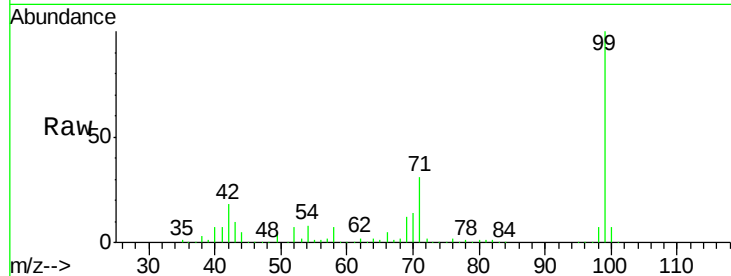
Tot Ion: 99 Resp: 552409

Ion Ratio Lower Upper

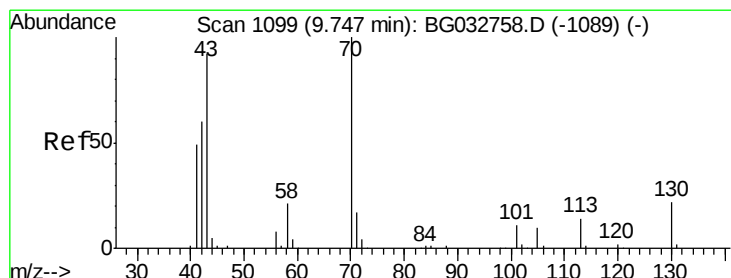
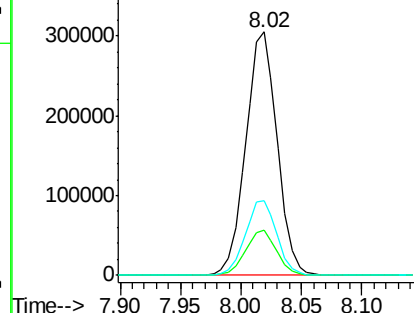
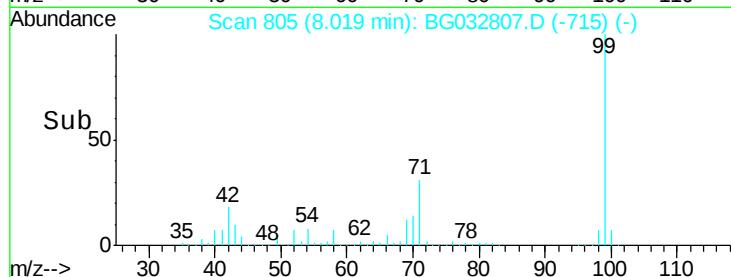
99 100

42 18.4 14.1 21.1

71 30.8 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: 9.70 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.38 min

Lab File: BG032807.D

Acq: 24 Feb 2018 1:50

Tgt Ion: 70 Resp: 37716

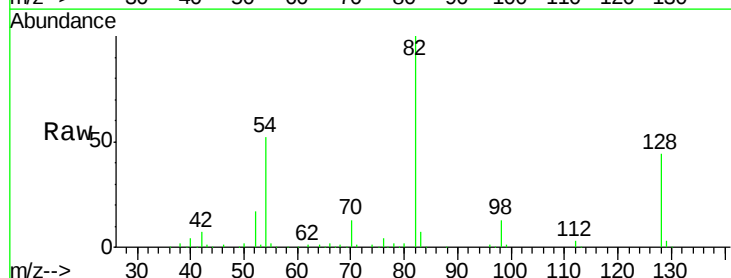
Ion Ratio Lower Upper

70 100

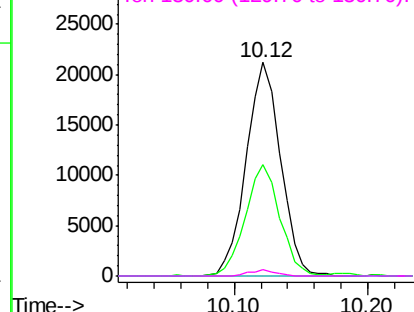
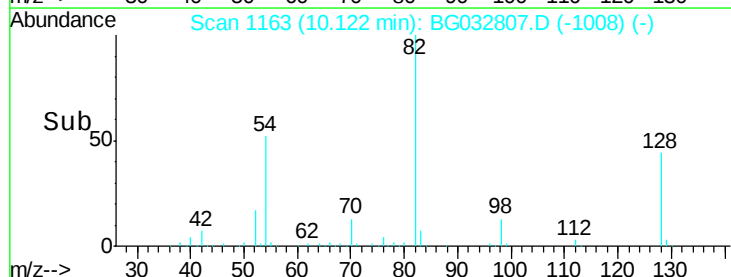
42 52.2 49.1 73.7

101 0.0 8.5 12.7#

130 2.8 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

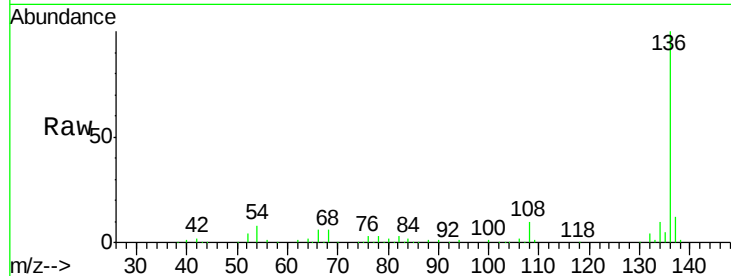




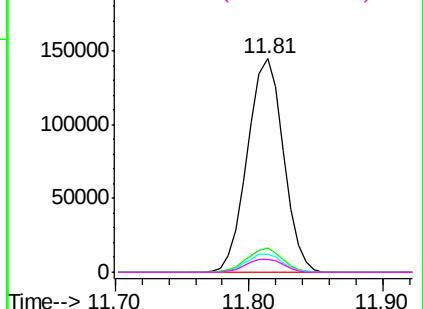
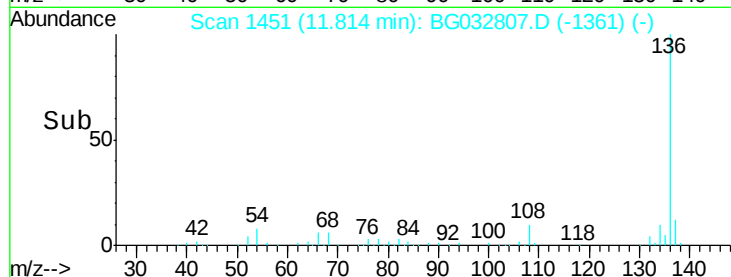
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.81 min Scan# 1451
Delta R.T. -0.00 min
Lab File: BG032807.D
Acq: 24 Feb 2018 1:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp: 269077
Ion Ratio	Lower Upper
136 100	
137 11.5	9.2 13.8
54 8.4	10.3 15.5
68 6.3	4.5 6.7

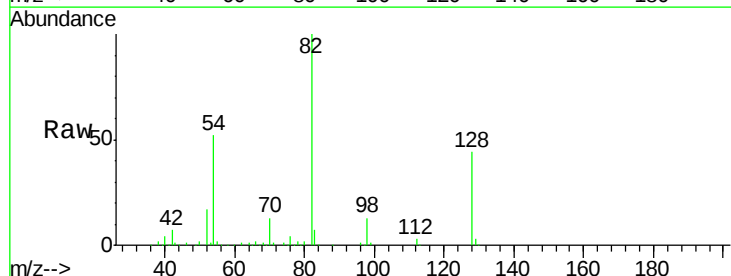


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

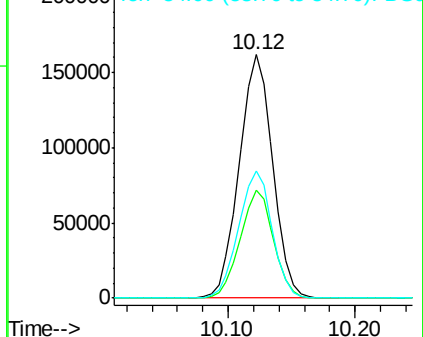
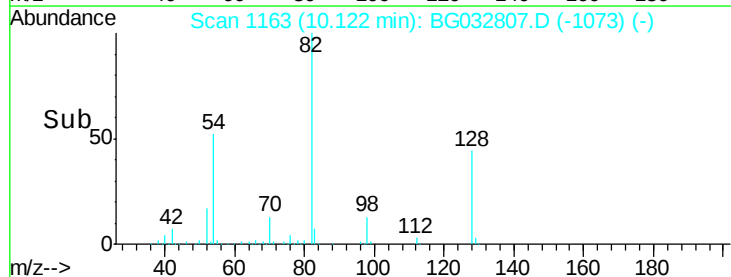


#23
Nitrobenzene-d5
Concen: 77.43 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BG032807.D
Acq: 24 Feb 2018 1:50

Tgt Ion: 82	Resp: 296343
Ion Ratio	Lower Upper
82 100	
128 44.4	29.7 44.5
54 52.2	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

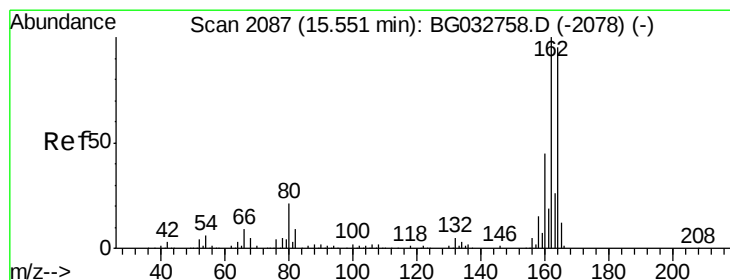
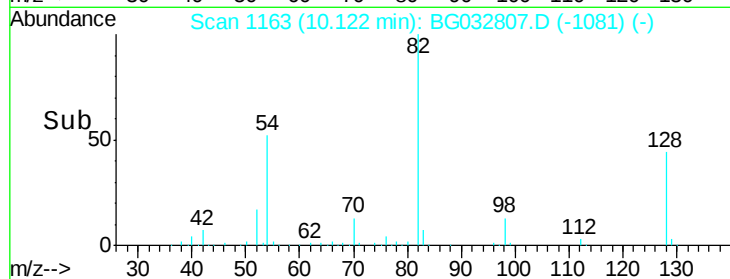
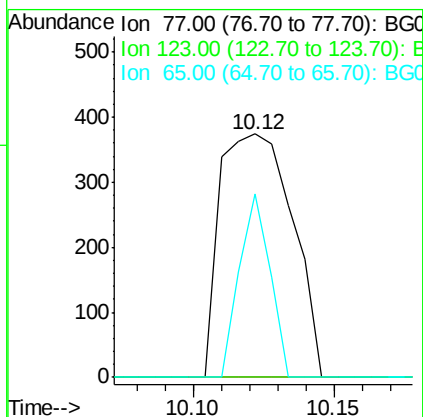
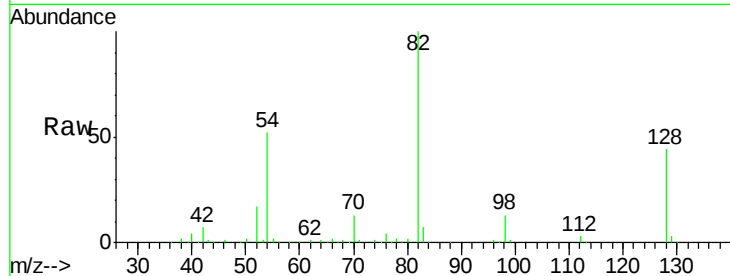




#24
 Nitrobenzene
 Concen: 6.51 ng
 RT: 10.12 min Scan# 1163
 Delta R.T. -0.05 min
 Lab File: BG032807.D
 Acq: 24 Feb 2018 1:50

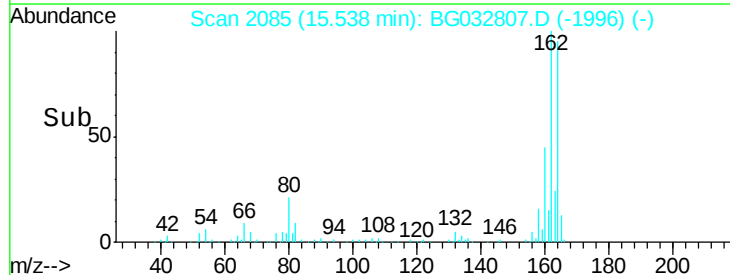
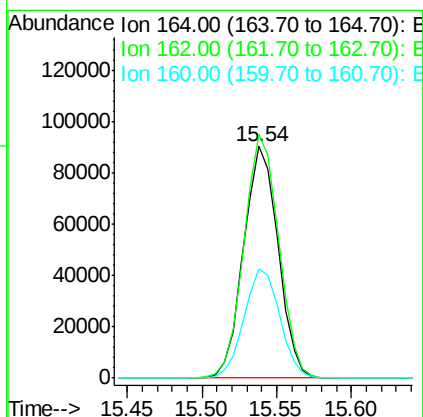
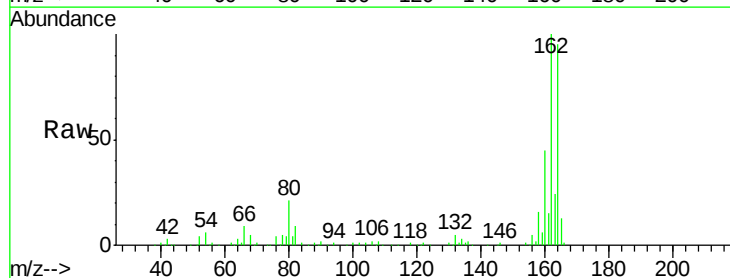
Instrument :
 BNA_G
 ClientSampled :

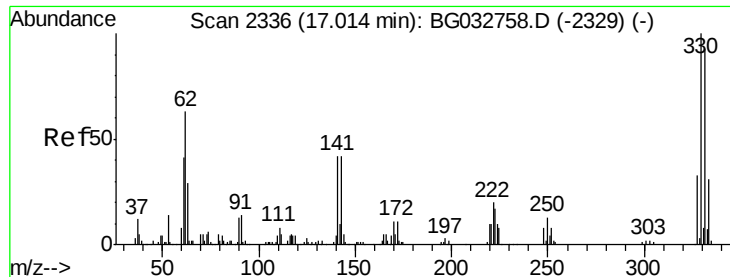
Tot Ion: 77 Resp: 663
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 75.7 13.0 19.6#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.54 min Scan# 2085
 Delta R.T. -0.01 min
 Lab File: BG032807.D
 Acq: 24 Feb 2018 1:50

Tgt Ion:164 Resp: 144469
 Ion Ratio Lower Upper
 164 100
 162 104.9 78.8 118.2
 160 47.0 35.4 53.0

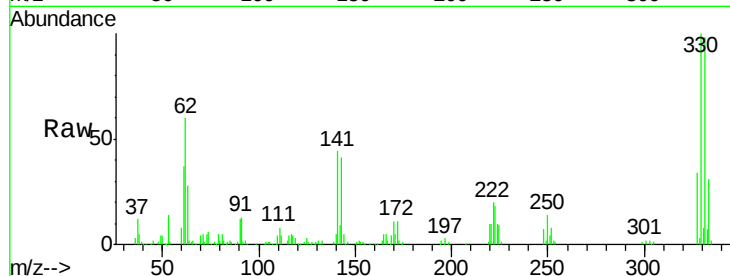




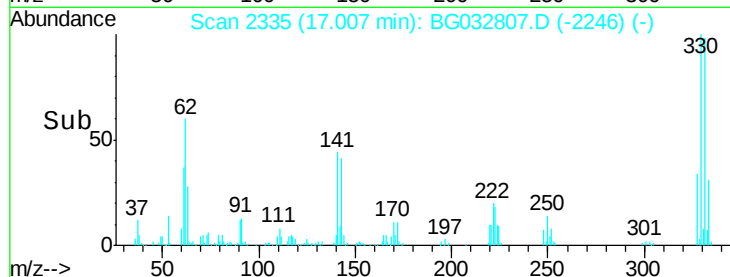
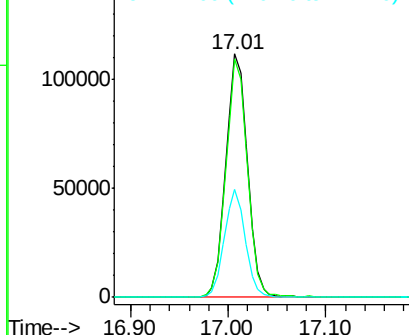
#41
 2,4,6-Tribromophenol
 Concen: 113.30 ng
 RT: 17.01 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: BG032807.D
 Acq: 24 Feb 2018 1:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 172110
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.0 115.6
 141 42.4 25.2 37.8#

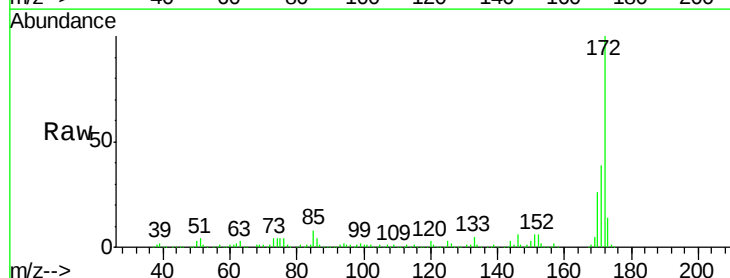


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

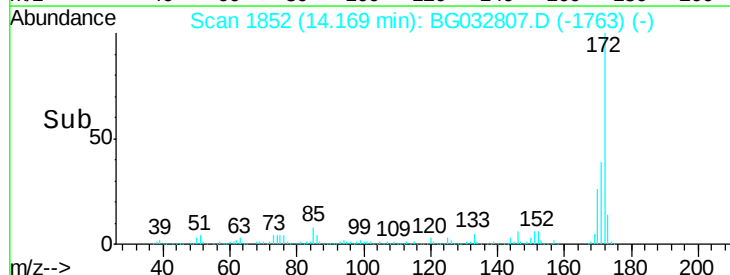
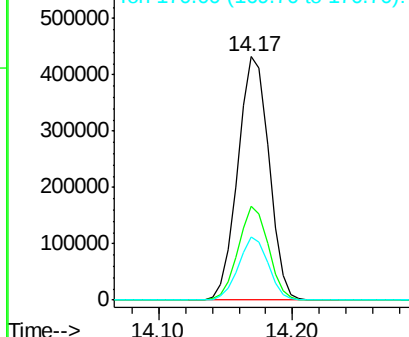


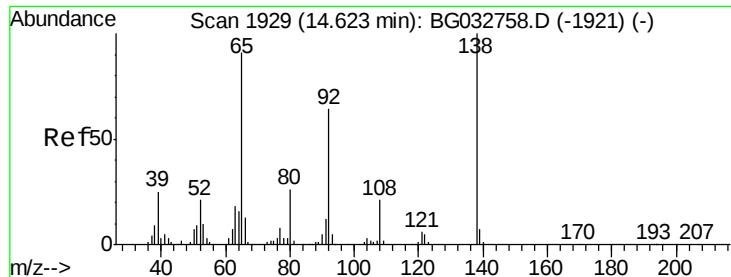
#44
 2-Fluorobiphenyl
 Concen: 69.60 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BG032807.D
 Acq: 24 Feb 2018 1:50

Tgt Ion:172 Resp: 697161
 Ion Ratio Lower Upper
 172 100
 171 38.5 30.0 45.0
 170 25.7 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: 10.18 ng

RT: 14.18 min Scan# 1853

Delta R.T. -0.44 min

Lab File: BG032807.D

Acq: 24 Feb 2018 1:50

Instrument :

BNA_G

ClientSampleId :

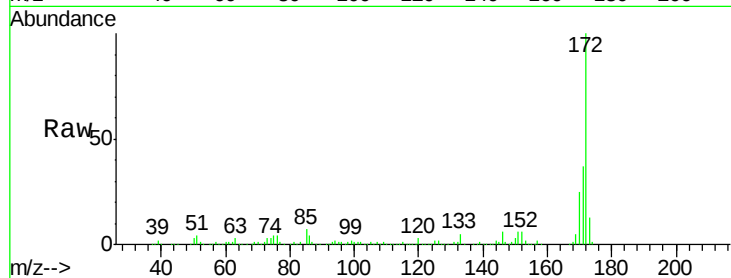
Tot Ion: 65 Resp: 1018

Ion Ratio Lower Upper

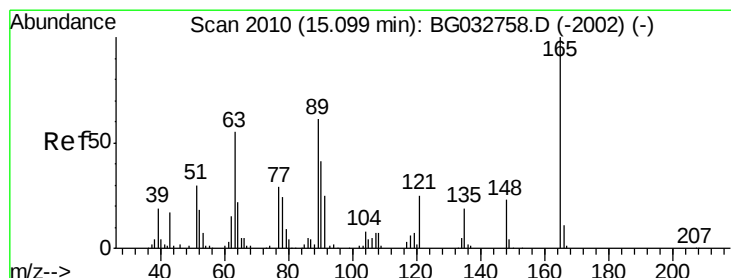
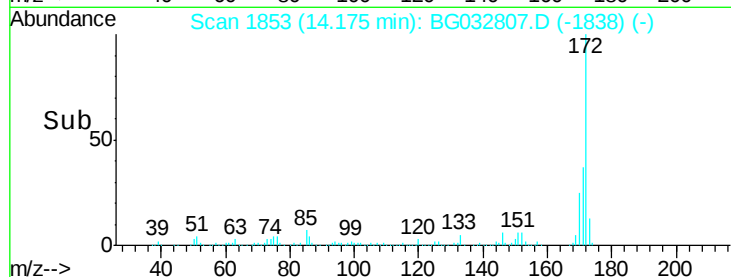
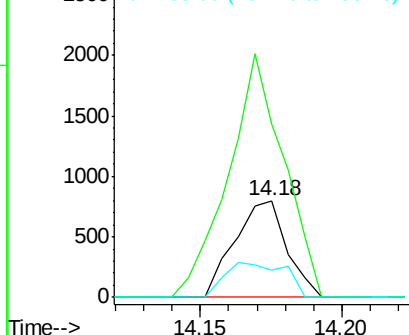
65 100

92 178.1 54.6 82.0#

138 28.2 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: 16.58 ng

RT: 15.54 min Scan# 2085

Delta R.T. 0.45 min

Lab File: BG032807.D

Acq: 24 Feb 2018 1:50

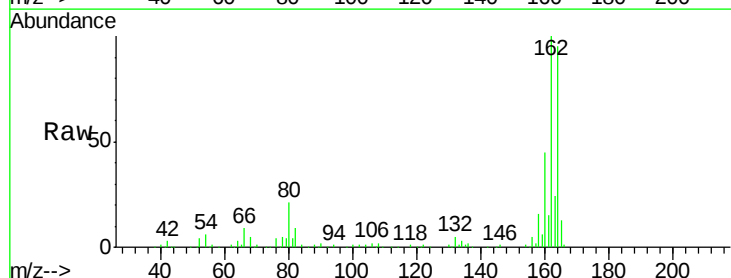
Tgt Ion:165 Resp: 19140

Ion Ratio Lower Upper

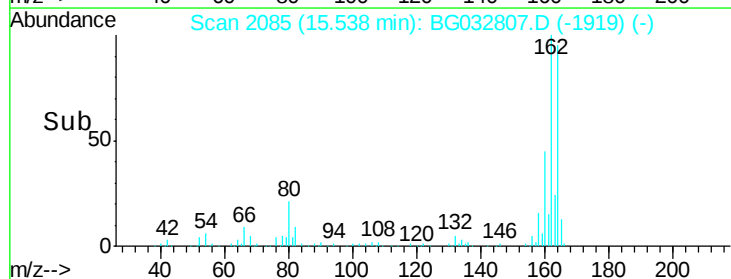
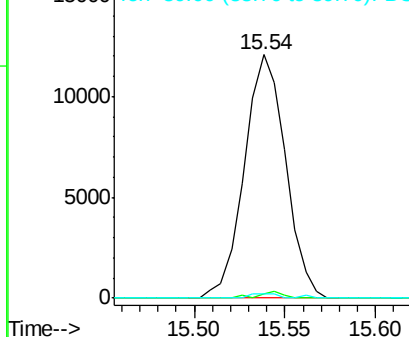
165 100

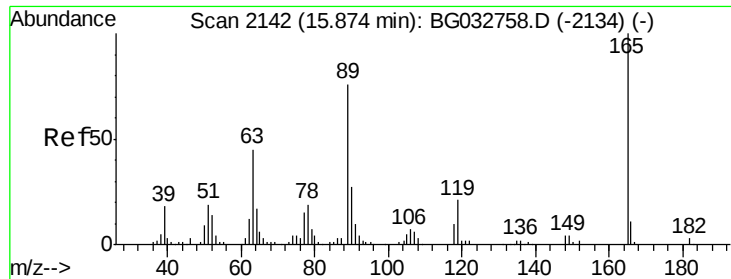
63 1.8 52.7 79.1#

89 1.6 49.2 73.8#



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

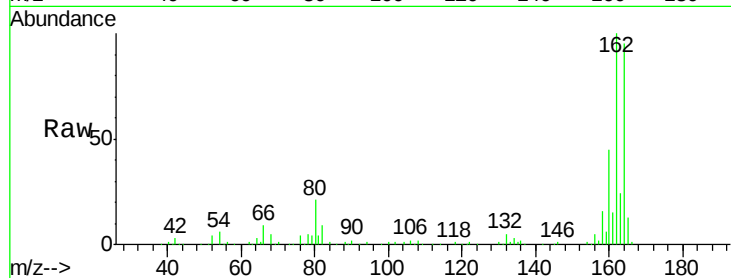




#56
2,4-Dinitrotoluene
Concen: 14.78 ng
RT: 15.54 min Scan# 2085
Delta R.T. -0.33 min
Lab File: BG032807.D
Acq: 24 Feb 2018 1:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	42.0	63.0#
89	1.6	66.9	100.3#
182	0.0	2.6	3.8#

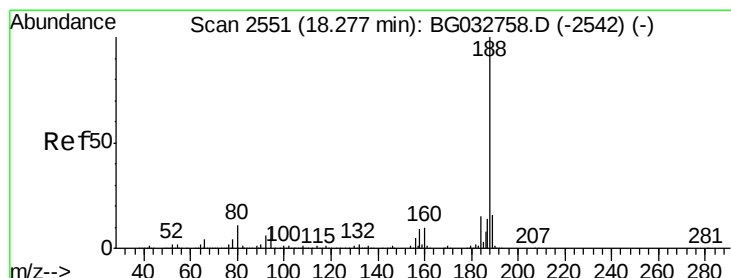
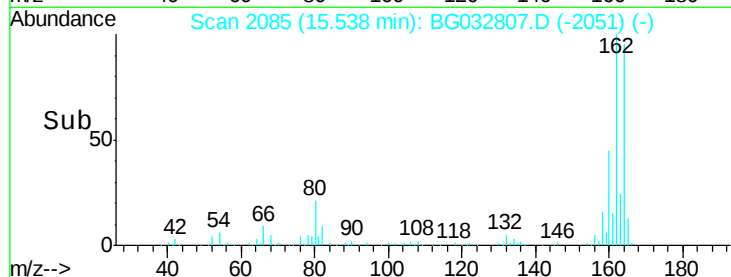
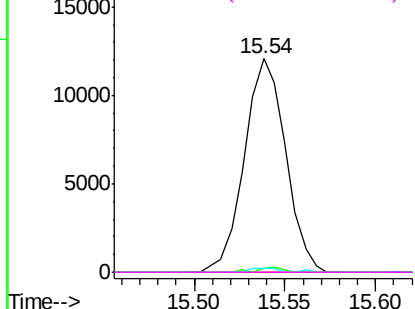


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

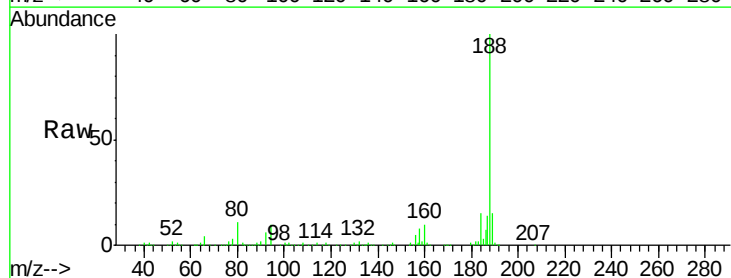
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.27 min Scan# 2550
Delta R.T. -0.00 min
Lab File: BG032807.D
Acq: 24 Feb 2018 1:50

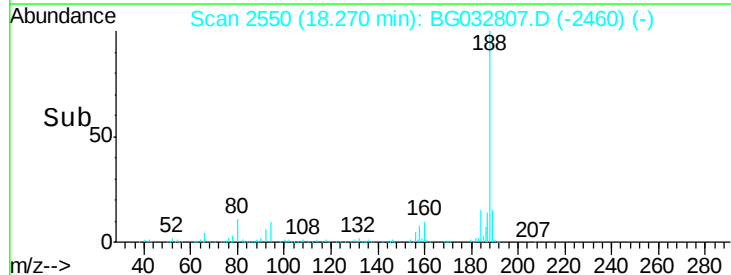
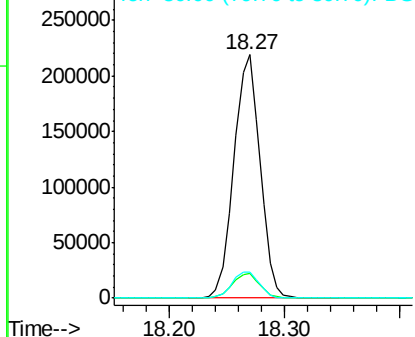
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	6.9	10.3
80	10.7	7.7	11.5

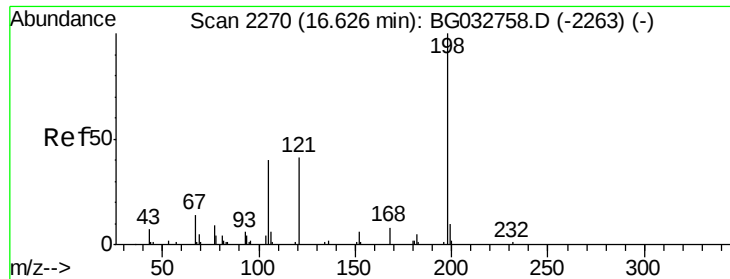


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.52 ng

RT: 17.01 min Scan# 2335

Delta R.T. 0.38 min

Lab File: BG032807.D

Acq: 24 Feb 2018 1:50

Instrument :

BNA_G

ClientSampled :

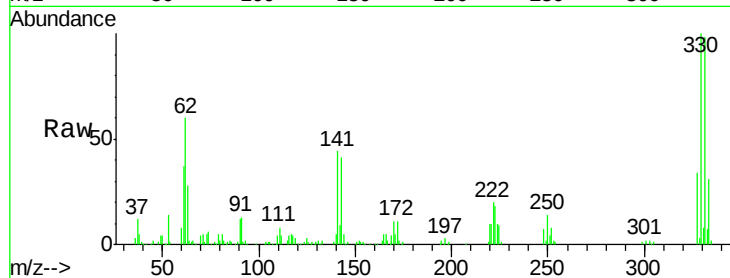
Tot Ion:198 Resp: 459

Ion Ratio Lower Upper

198 100

51 153.7 30.6 70.6#

105 201.6 23.8 63.8#

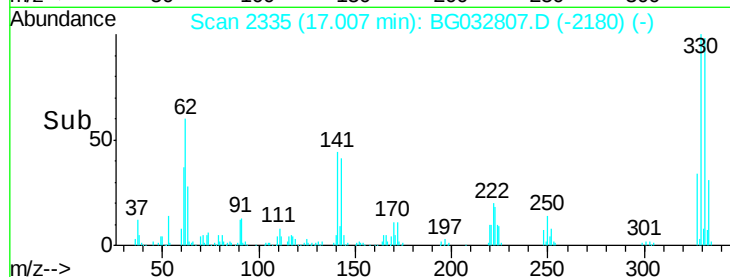


Abundance Ion 198.00 (197.70 to 198.70): E

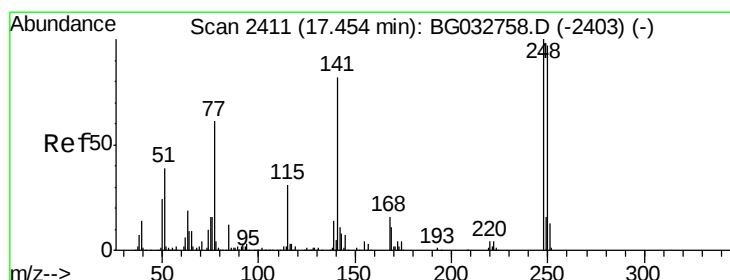
Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E

Time-->



Time-->



#66

4-Bromophenyl-phenylether

Concen: 3.33 ng

RT: 17.01 min Scan# 2335

Delta R.T. -0.44 min

Lab File: BG032807.D

Acq: 24 Feb 2018 1:50

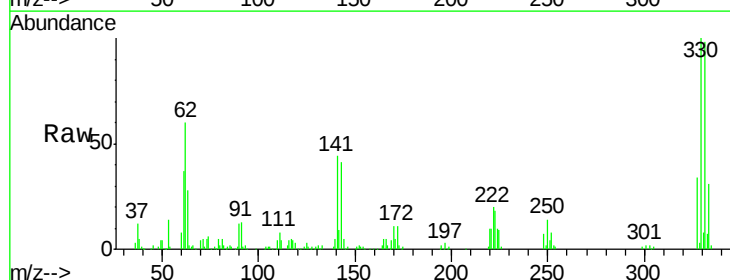
Tgt Ion:248 Resp: 12136

Ion Ratio Lower Upper

248 100

250 192.5 77.1 115.7#

141 613.1 50.8 76.2#

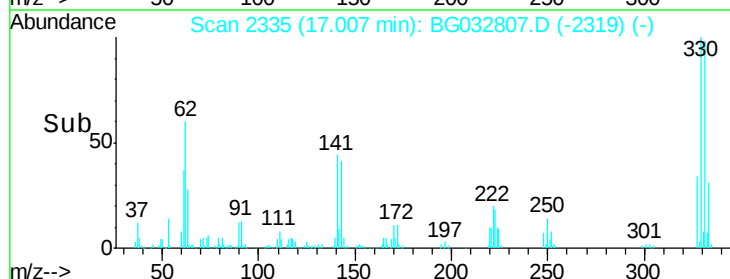


Abundance Ion 248.00 (247.70 to 248.70): E

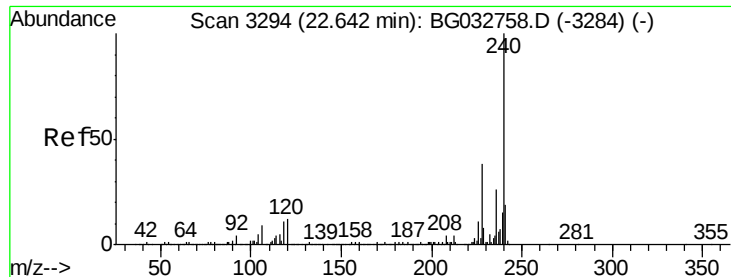
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

Time-->



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.62 min Scan# 3291

Delta R.T. -0.01 min

Lab File: BG032807.D

Acq: 24 Feb 2018 1:50

Instrument :

BNA_G

ClientSampleId :

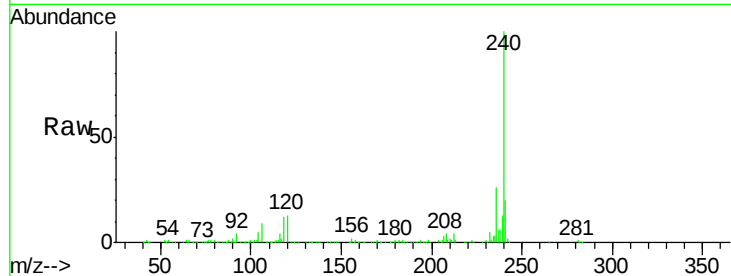
Tot Ion:240 Resp: 351681

Ion Ratio Lower Upper

240 100

120 12.6 6.8 10.2#

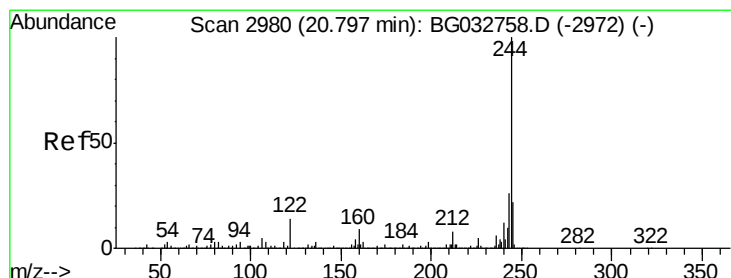
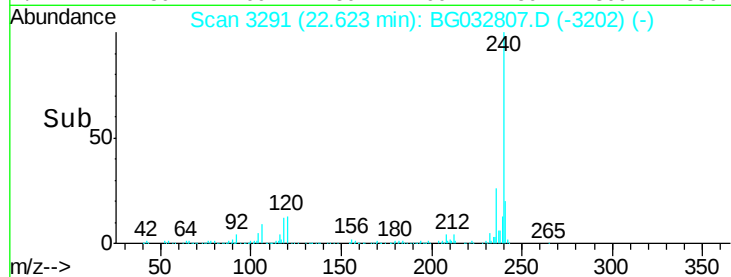
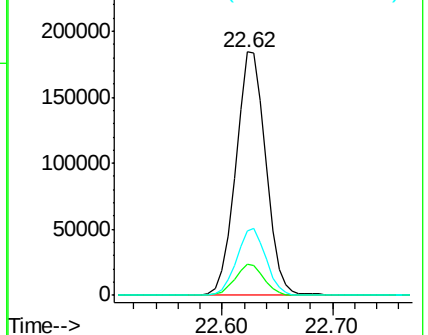
236 26.4 20.9 31.3



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



#78

Terphenyl-d14

Concen: 71.46 ng

RT: 20.79 min Scan# 2979

Delta R.T. -0.00 min

Lab File: BG032807.D

Acq: 24 Feb 2018 1:50

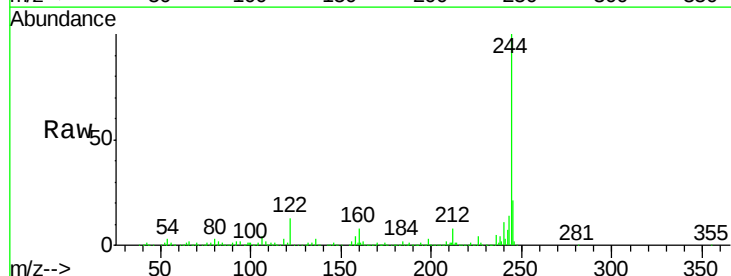
Tgt Ion:244 Resp: 1118492

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

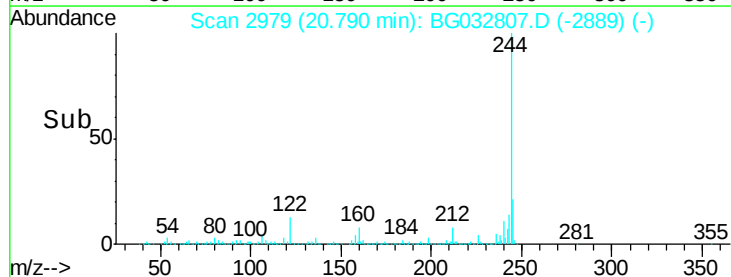
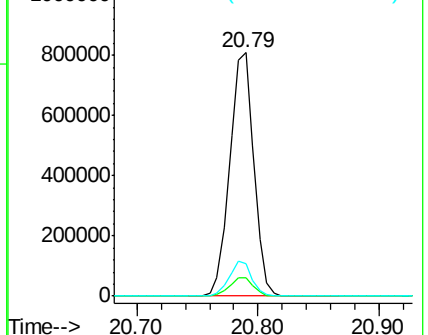
122 13.2 7.0 10.4#

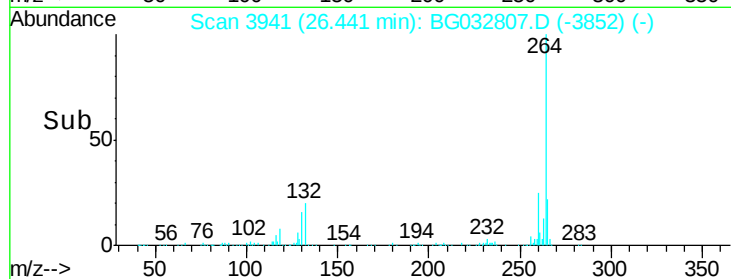
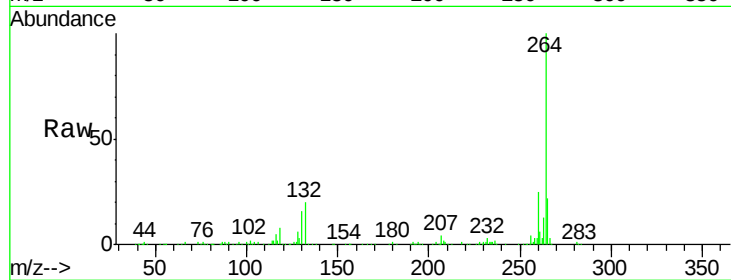
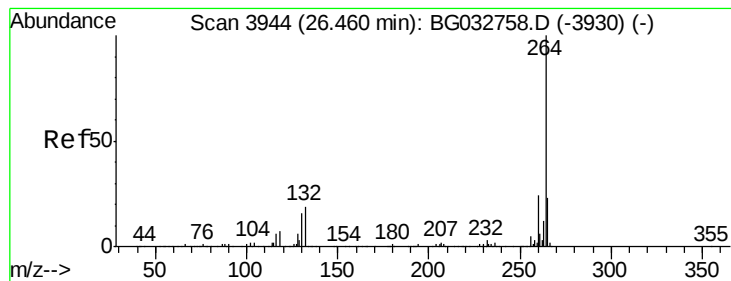


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 26.44 min Scan# 3941

Delta R.T. -0.01 min

Lab File: BG032807.D

Acq: 24 Feb 2018 1:50

Instrument :

BNA_G

ClientSampleId :

Tot Ion:264 Resp: 366099

Ion Ratio Lower Upper

264 100

260 24.6 17.4 26.0

265 22.1 17.7 26.5

