

Data Path : U:\HPCHEM1\BNA G\DATA\BG020518\
 Data File : BG032557.D
 Acq On : 6 Feb 2018 5:40
 Operator : SJ/JU
 Sample : J1437-03
 Misc : MDL8PPM
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 06 06:23:12 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 29 15:32:55 2018
 Response via : Initial Calibration

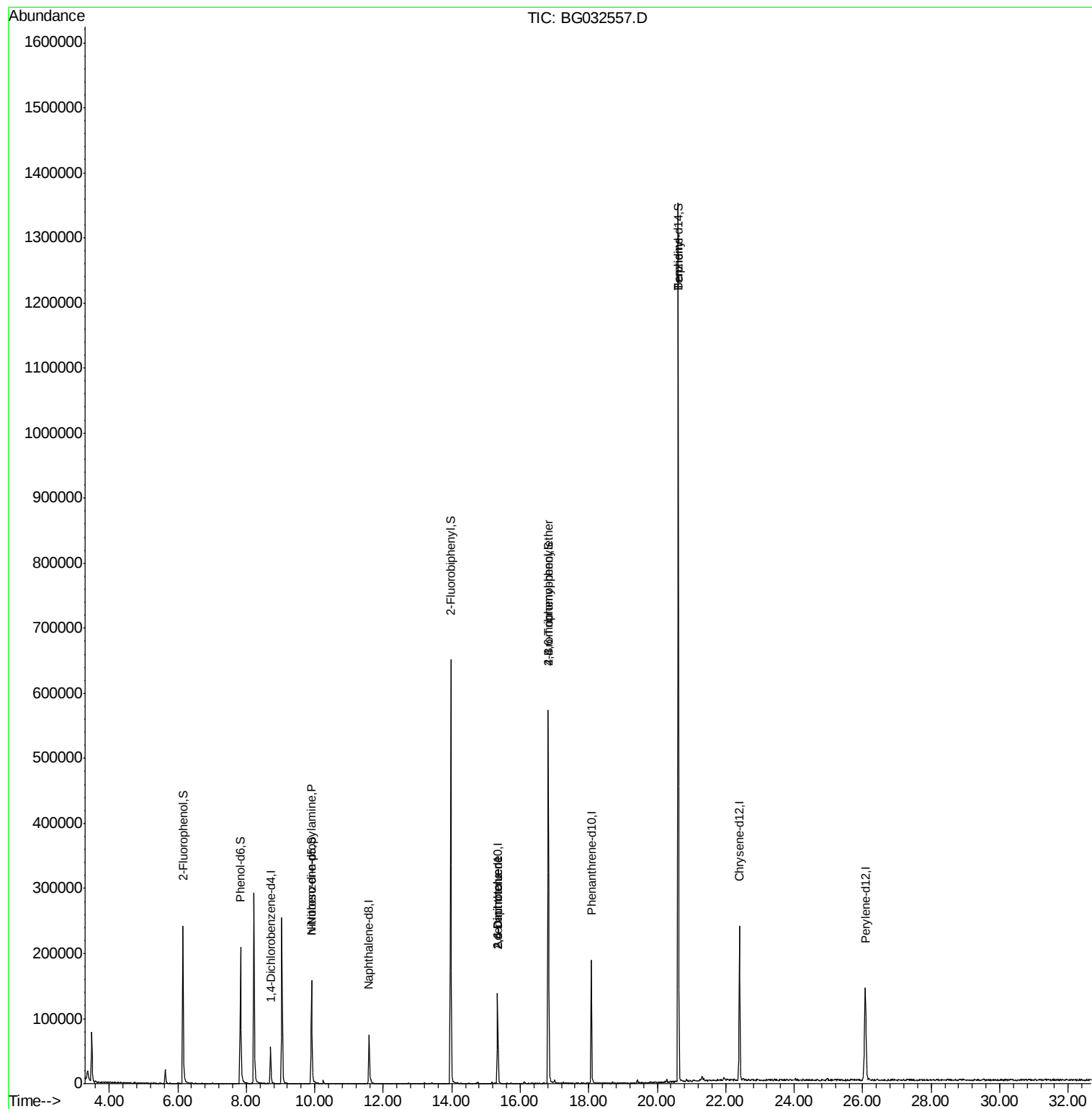
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.71	152	21331	20.00	ng	-0.01
21) Naphthalene-d8	11.58	136	80652	20.00	ng	-0.02
38) Acenaphthene-d10	15.34	164	55305	20.00	ng	-0.02
63) Phenanthrene-d10	18.07	188	141799	20.00	ng	-0.02
75) Chrysene-d12	22.40	240	179858	20.00	ng	-0.02
86) Perylene-d12	26.07	264	202719	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.15	112	135379	127.47	ng	0.00
7) Phenol-d6	7.83	99	151656	107.01	ng	0.00
23) Nitrobenzene-d5	9.90	82	110837	85.84	ng	-0.02
41) 2,4,6-Tribromophenol	16.82	330	158987	151.02	ng	-0.02
44) 2-Fluorobiphenyl	13.97	172	402172	86.43	ng	-0.02
78) Terphenyl-d14	20.61	244	749590	89.28	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.90	70	15335	16.320	ng	# 71
50) 2,6-Dinitrotoluene	15.34	165	7054	6.591	ng	# 20
56) 2,4-Dinitrotoluene	15.34	165	7054	4.629	ng	# 19
66) 4-Bromophenyl-phenylether	16.82	248	10746	5.115	ng	# 1
76) Benzidine	20.61	184	9633	2.728	ng	98

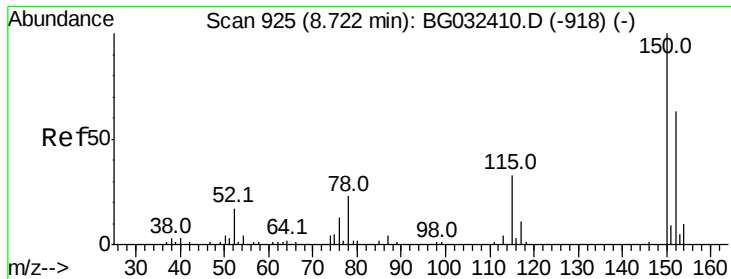
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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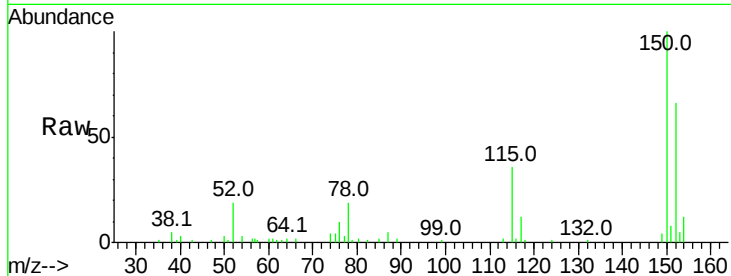


#1

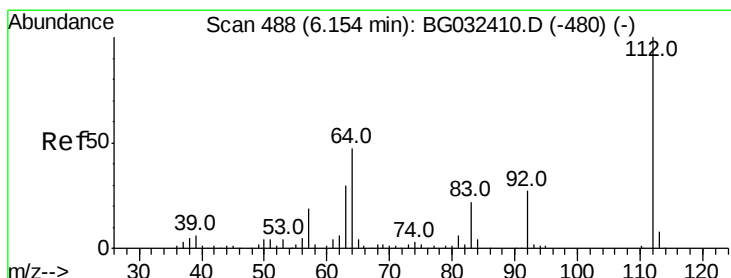
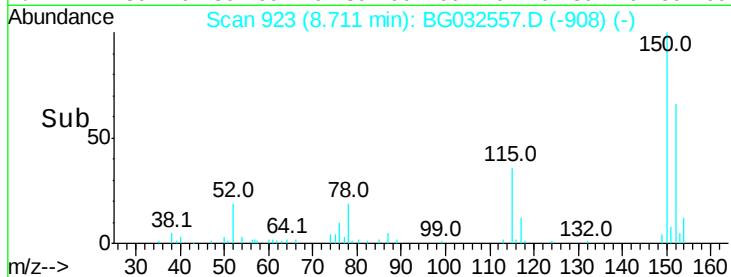
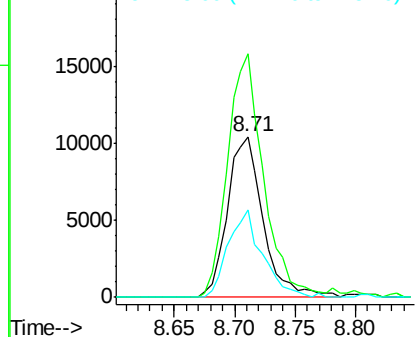
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.71 min Scan# 923
Delta R.T. -0.01 min
Lab File: BG032557.D
Acq: 6 Feb 2018 5:40

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 21331
Ion Ratio Lower Upper
152 100
150 151.3 126.6 189.8
115 54.0 53.0 79.4



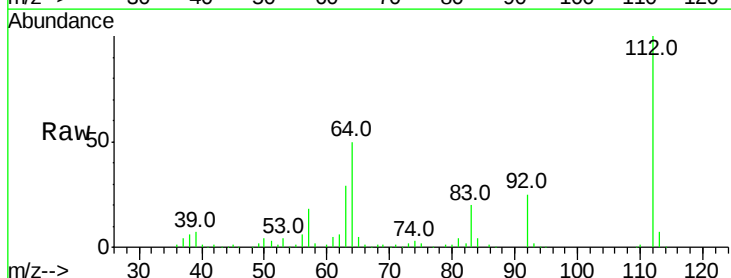
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



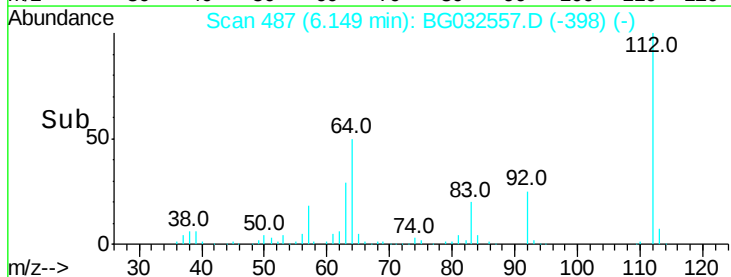
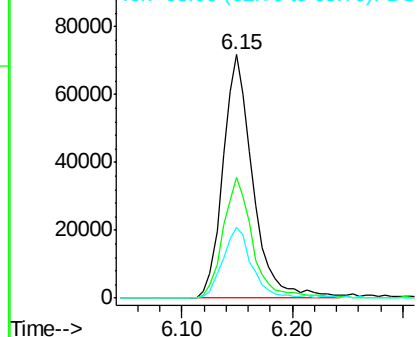
#5

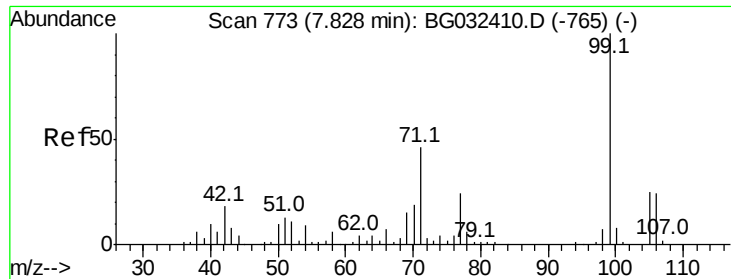
2-Fluorophenol
Concen: 127.475 ng
RT: 6.15 min Scan# 487
Delta R.T. -0.00 min
Lab File: BG032557.D
Acq: 6 Feb 2018 5:40

Tgt Ion:112 Resp: 135379
Ion Ratio Lower Upper
112 100
64 49.7 56.3 84.5#
63 29.0 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: 107.014 ng

RT: 7.83 min Scan# 773

Delta R.T. 0.00 min

Lab File: BG032557.D

Acq: 6 Feb 2018 5:40

Instrument :

BNA_G

ClientSampleId :

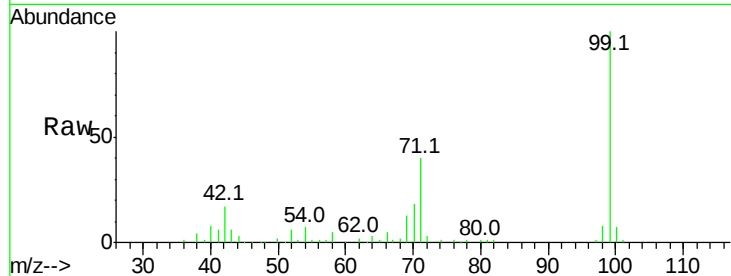
Tot Ion: 99 Resp: 151656

Ion Ratio Lower Upper

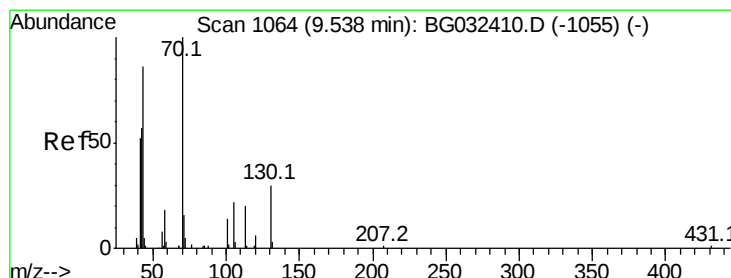
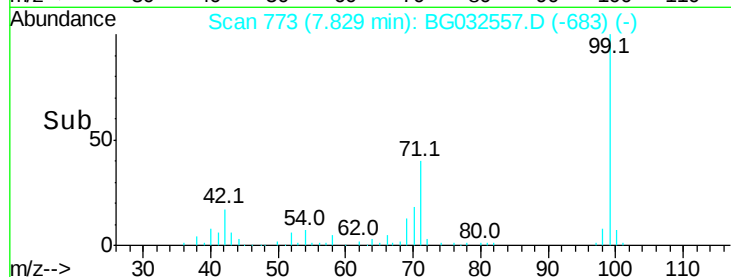
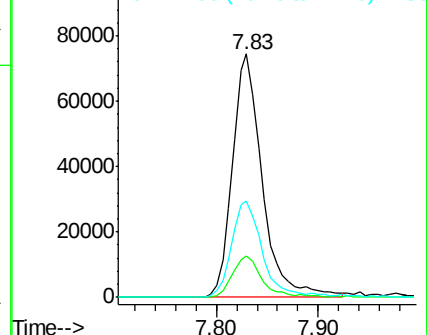
99 100

42 16.8 14.1 21.1

71 39.9 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



#19

n-Nitroso-di-n-propylamine

Concen: 16.320 ng

RT: 9.90 min Scan# 1126

Delta R.T. 0.37 min

Lab File: BG032557.D

Acq: 6 Feb 2018 5:40

Tgt Ion: 70 Resp: 15335

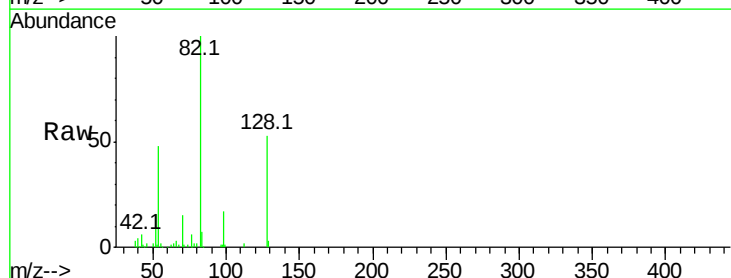
Ion Ratio Lower Upper

70 100

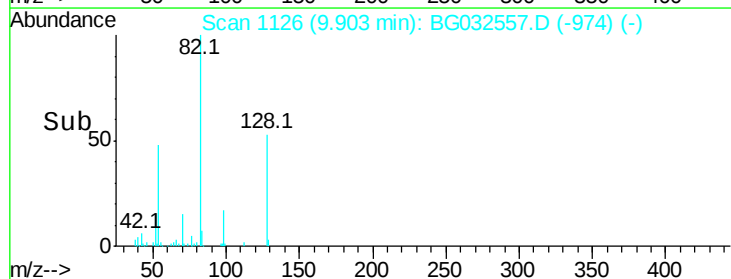
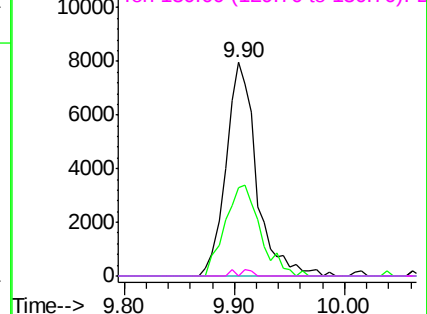
42 41.2 49.1 73.7#

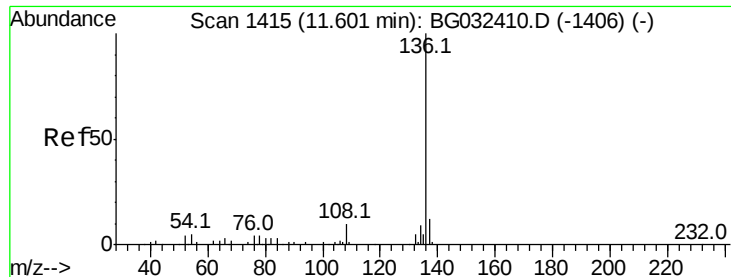
101 0.0 8.5 12.7#

130 0.0 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: 20.000 ng

RT: 11.58 min Scan# 1412

Delta R.T. -0.02 min

Lab File: BG032557.D

Acq: 6 Feb 2018 5:40

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 80652

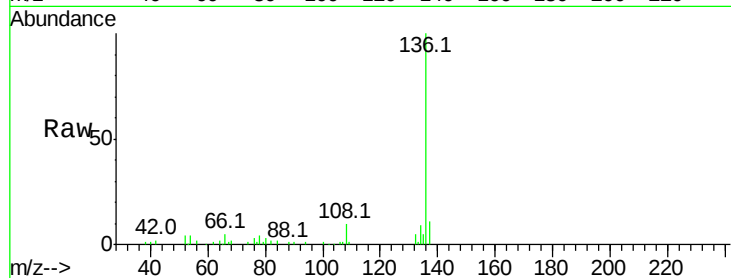
Ion Ratio Lower Upper

136 100

137 11.2 9.2 13.8

54 4.3 10.3 15.5#

68 2.2 4.5 6.7#

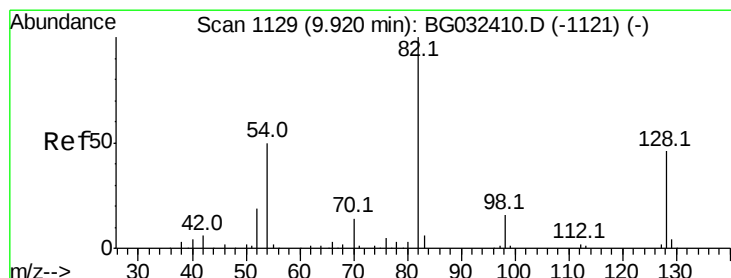
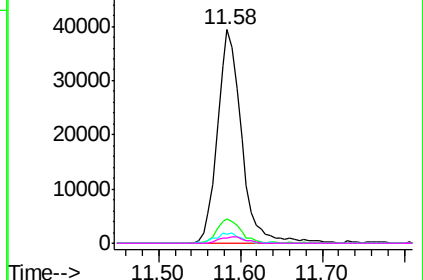
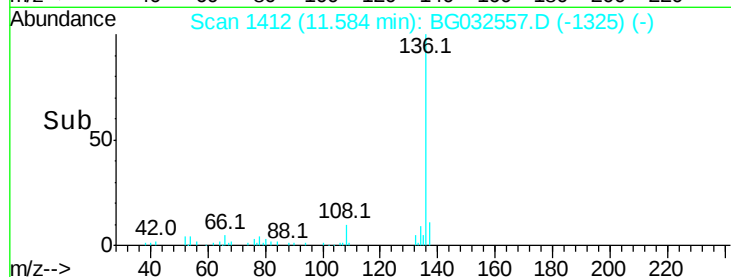


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.837 ng

RT: 9.90 min Scan# 1126

Delta R.T. -0.02 min

Lab File: BG032557.D

Acq: 6 Feb 2018 5:40

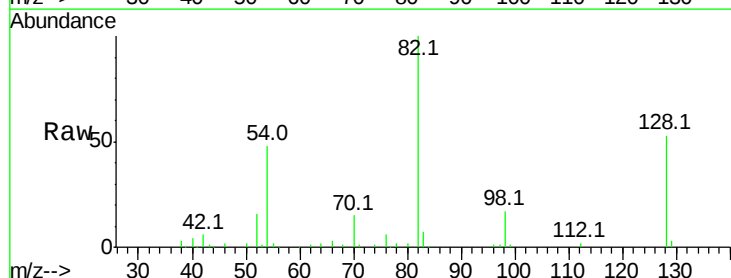
Tgt Ion: 82 Resp: 110837

Ion Ratio Lower Upper

82 100

128 52.8 29.7 44.5#

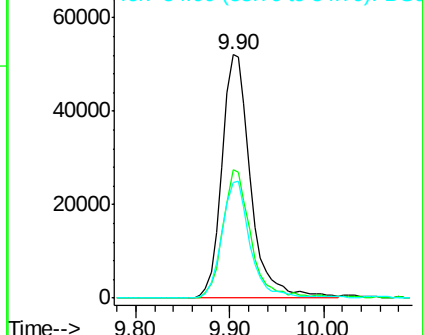
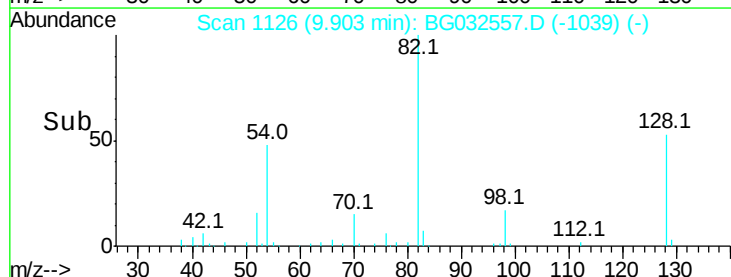
54 47.6 43.1 64.7

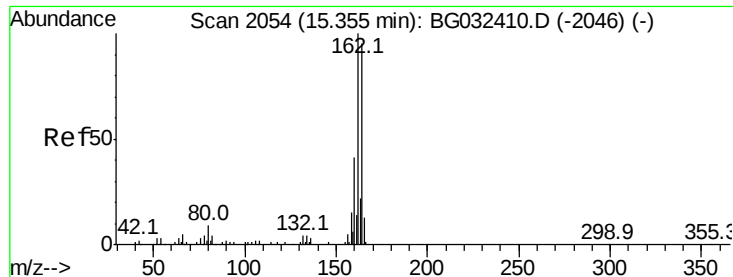


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: 15.34 min Scan# 2051

Delta R.T. -0.02 min

Lab File: BG032557.D

Acq: 6 Feb 2018 5:40

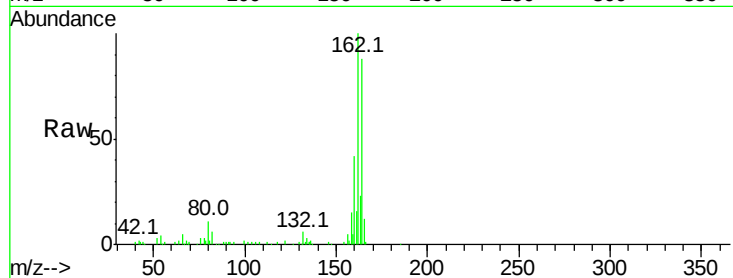
Instrument :

BNA_G

ClientSampled :

Tot Ion:164 Resp: 55305

Ion	Ratio	Lower	Upper
164	100		
162	113.6	78.8	118.2
160	47.4	35.4	53.0

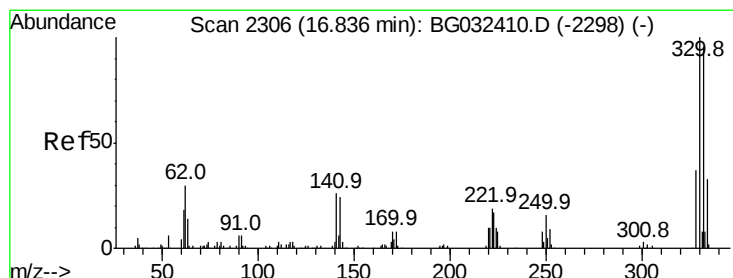
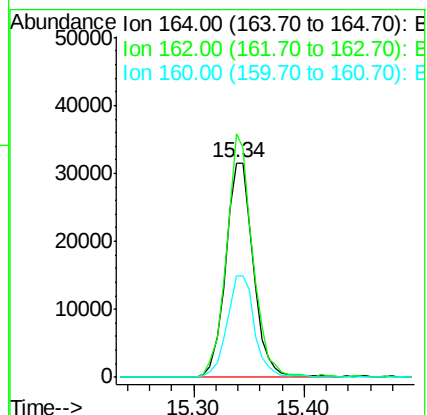
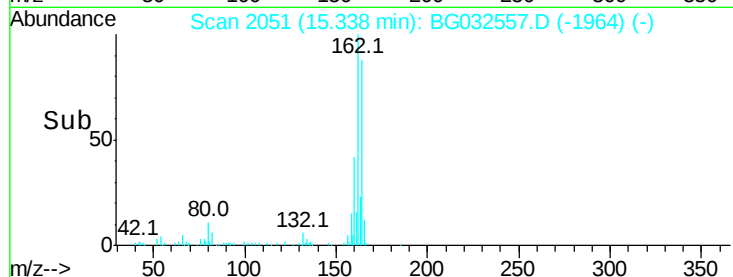


Abundance

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: 151.023 ng

RT: 16.82 min Scan# 2303

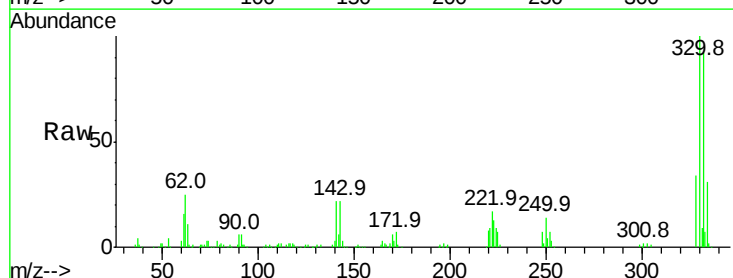
Delta R.T. -0.02 min

Lab File: BG032557.D

Acq: 6 Feb 2018 5:40

Tgt Ion:330 Resp: 158987

Ion	Ratio	Lower	Upper
330	100		
332	94.2	77.0	115.6
141	22.3	25.2	37.8#

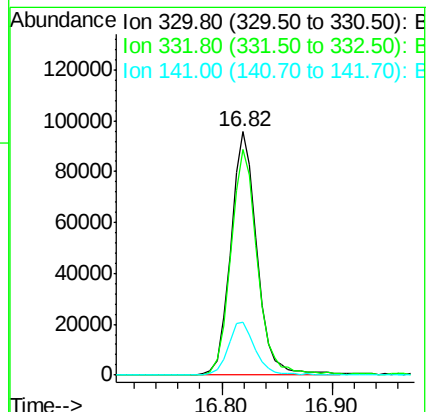
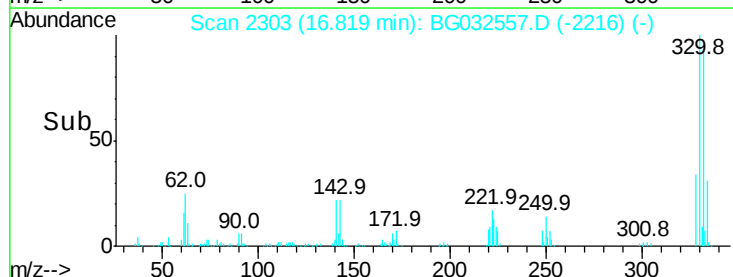


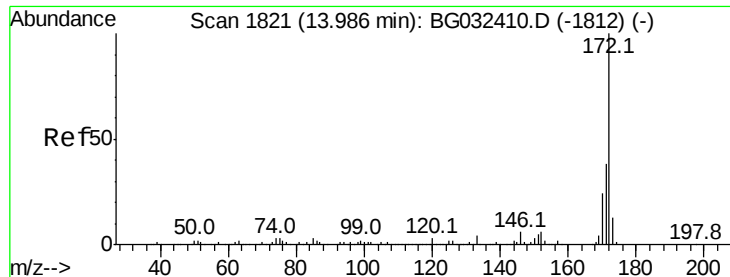
Abundance

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

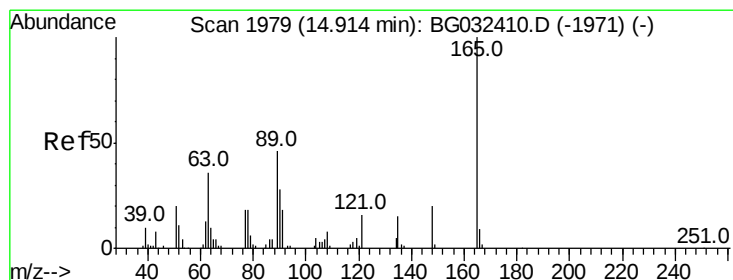
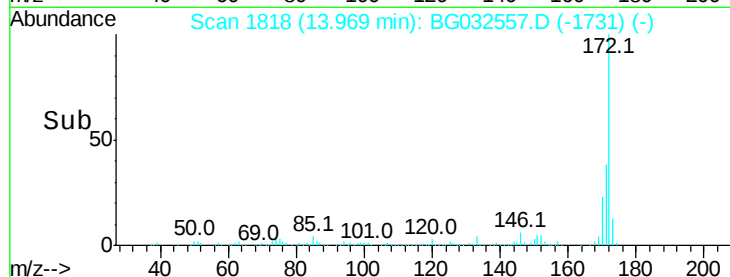
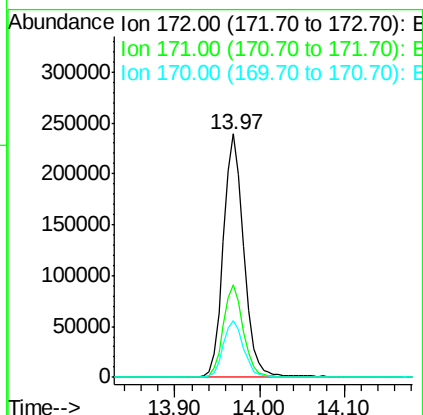
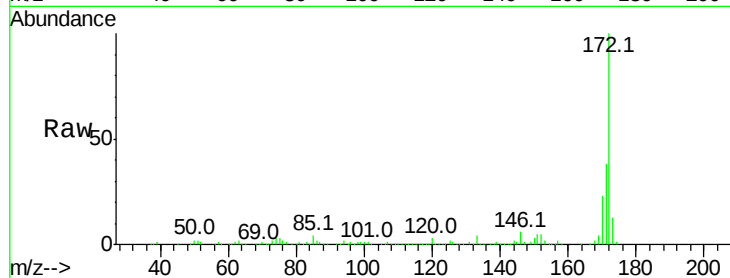




#44
 2-Fluorobiphenyl
 Concen: 86.431 ng
 RT: 13.97 min Scan# 1818
 Delta R.T. -0.02 min
 Lab File: BG032557.D
 Acq: 6 Feb 2018 5:40

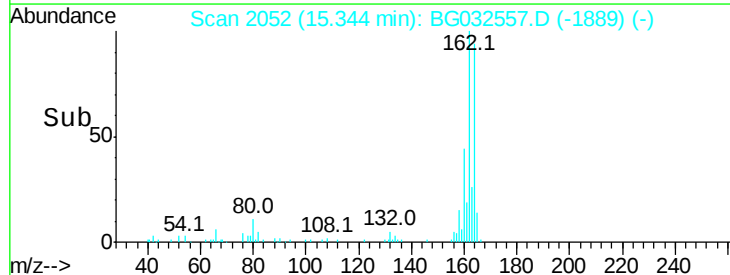
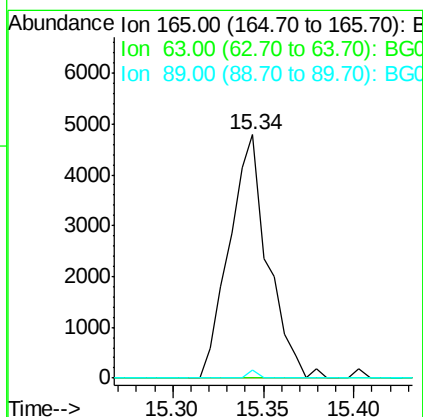
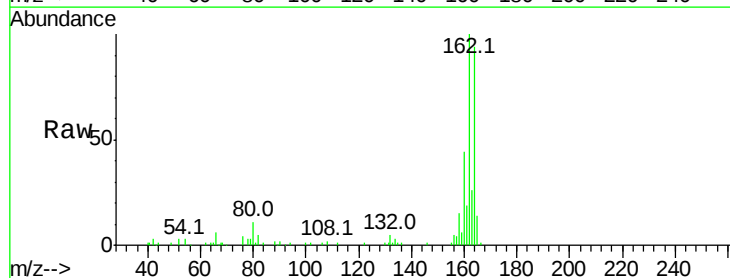
Instrument :
 BNA_G
 ClientSampleId :

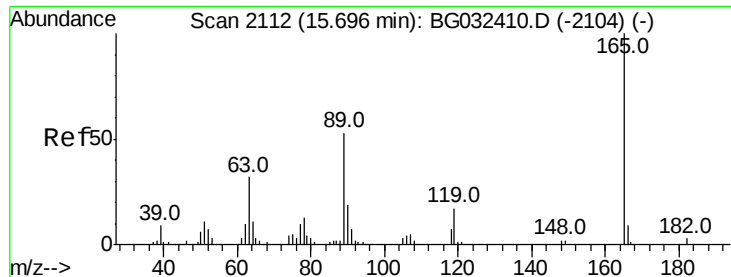
Tot Ion:172 Resp: 402172
 Ion Ratio Lower Upper
 172 100
 171 38.1 30.0 45.0
 170 23.1 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 6.591 ng
 RT: 15.34 min Scan# 2052
 Delta R.T. 0.43 min
 Lab File: BG032557.D
 Acq: 6 Feb 2018 5:40

Tgt Ion:165 Resp: 7054
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 3.4 49.2 73.8#

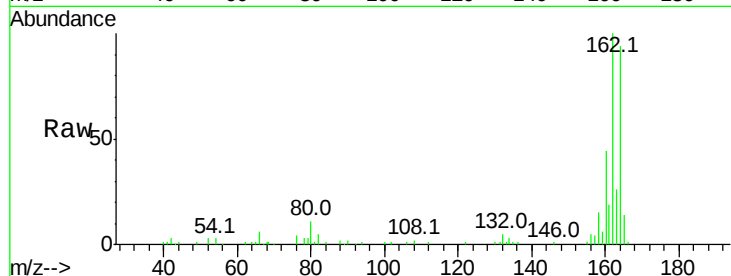




#56
 2,4-Dinitrotoluene
 Concen: 4.629 ng
 RT: 15.34 min Scan# 2052
 Delta R.T. -0.35 min
 Lab File: BG032557.D
 Acq: 6 Feb 2018 5:40

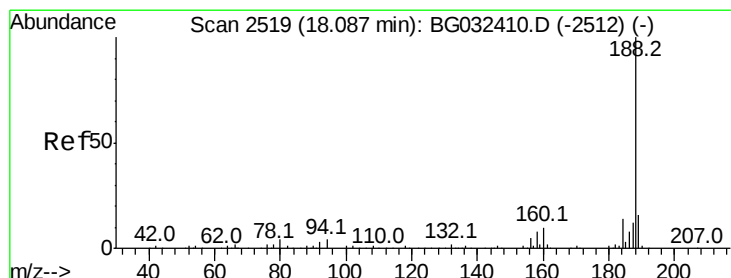
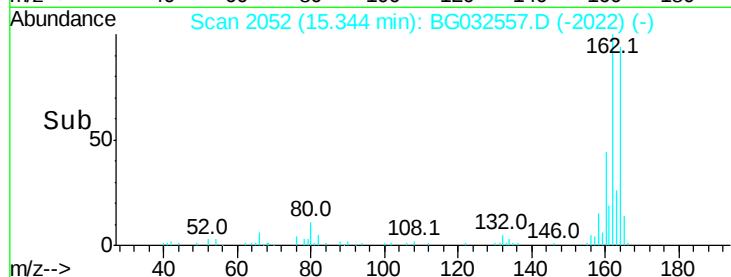
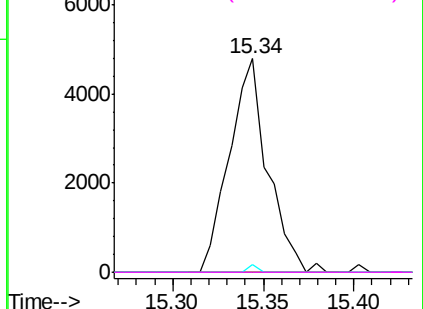
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 7054
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 3.4 66.9 100.3#
 182 0.0 2.6 3.8#



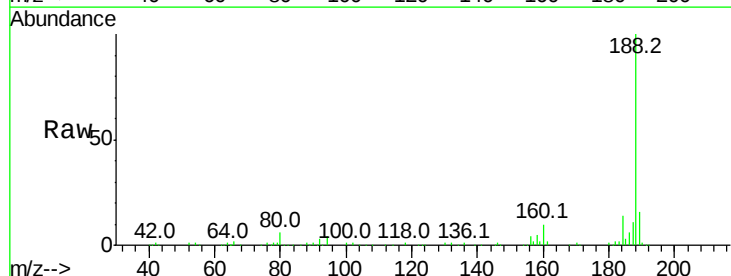
Abundance Ion 165.00 (164.70 to 165.70): E

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



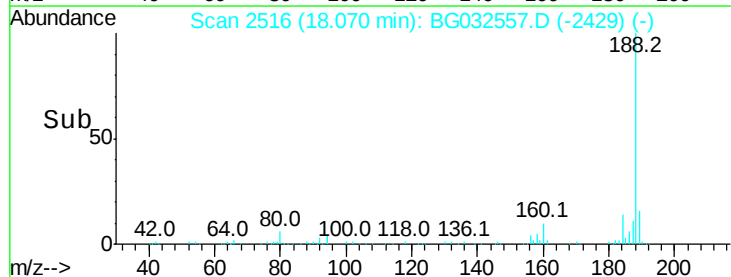
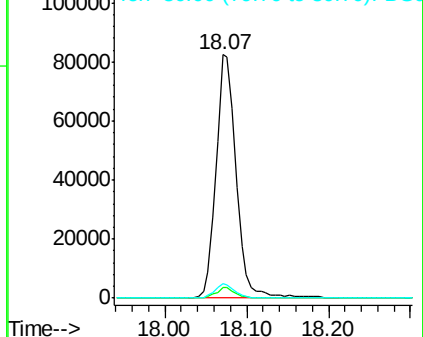
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.07 min Scan# 2516
 Delta R.T. -0.02 min
 Lab File: BG032557.D
 Acq: 6 Feb 2018 5:40

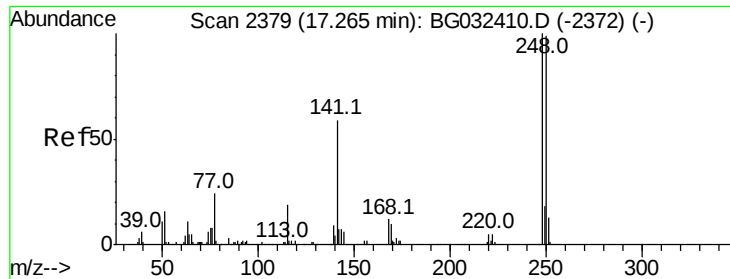
Tgt Ion:188 Resp: 141799
 Ion Ratio Lower Upper
 188 100
 94 4.3 6.9 10.3#
 80 5.8 7.7 11.5#



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

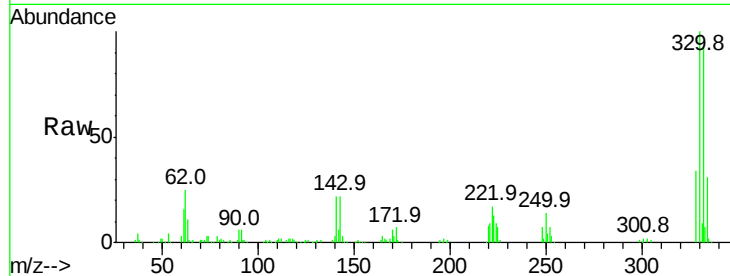




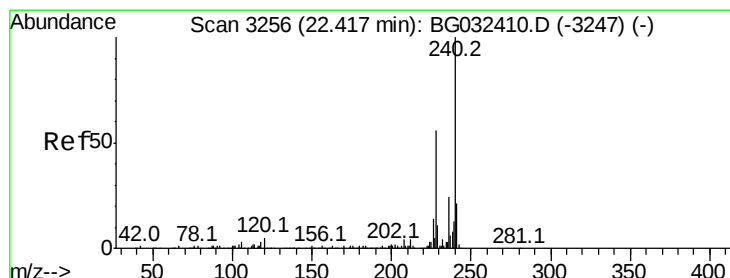
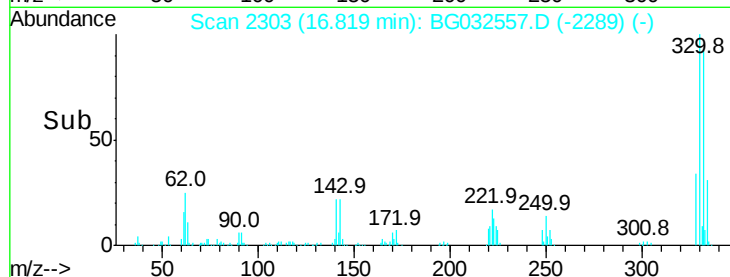
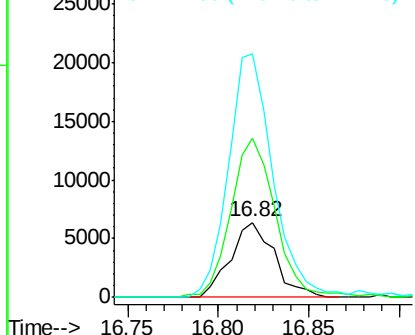
#66
4-Bromophenyl-phenylether
Concen: 5.115 ng
RT: 16.82 min Scan# 2303
Delta R.T. -0.45 min
Lab File: BG032557.D
Acq: 6 Feb 2018 5:40

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 10746
Ion Ratio Lower Upper
248 100
250 212.5 77.1 115.7#
141 325.5 50.8 76.2#

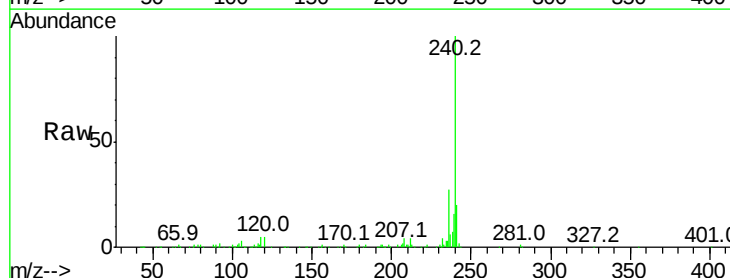


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

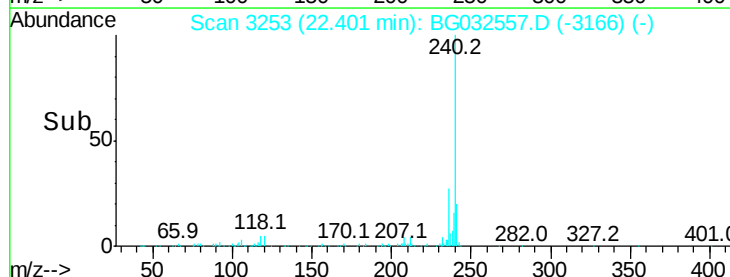
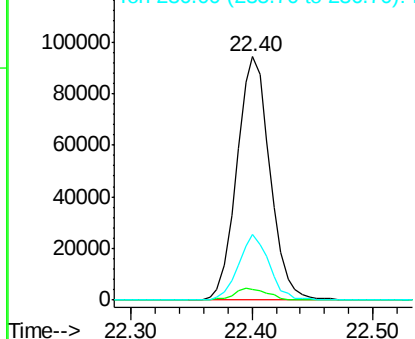


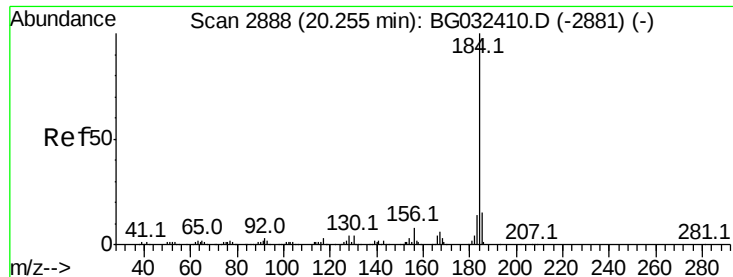
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.40 min Scan# 3253
Delta R.T. -0.02 min
Lab File: BG032557.D
Acq: 6 Feb 2018 5:40

Tgt Ion:240 Resp: 179858
Ion Ratio Lower Upper
240 100
120 4.6 6.8 10.2#
236 26.9 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: 2.728 ng

RT: 20.61 min Scan# 2949

Delta R.T. 0.36 min

Lab File: BG032557.D

Acq: 6 Feb 2018 5:40

Instrument :

BNA_G

ClientSampleId :

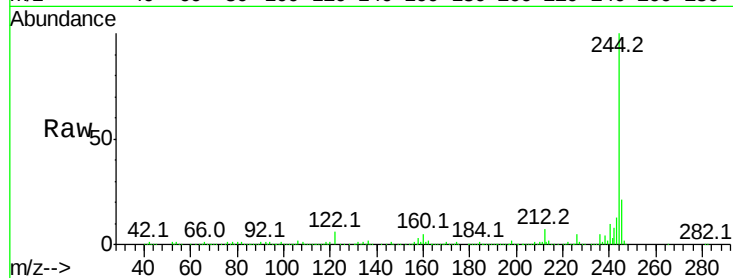
Tot Ion:184 Resp: 9633

Ion Ratio Lower Upper

184 100

185 13.1 11.1 16.7

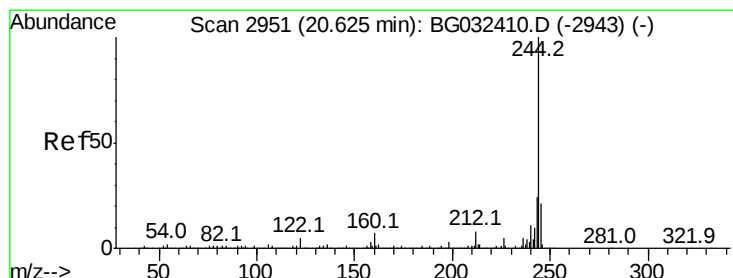
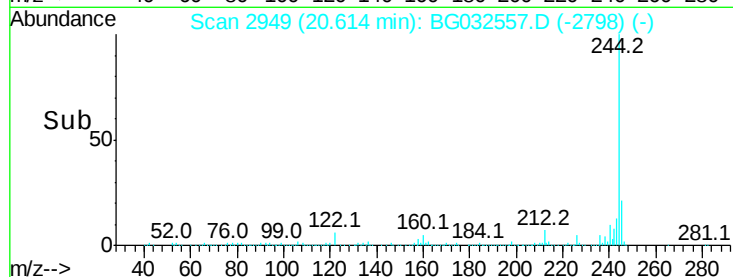
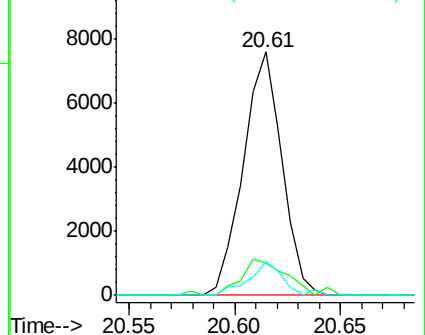
183 14.1 10.6 16.0



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: 89.275 ng

RT: 20.61 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BG032557.D

Acq: 6 Feb 2018 5:40

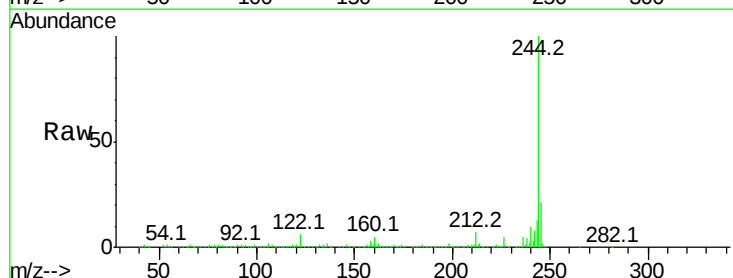
Tgt Ion:244 Resp: 749590

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

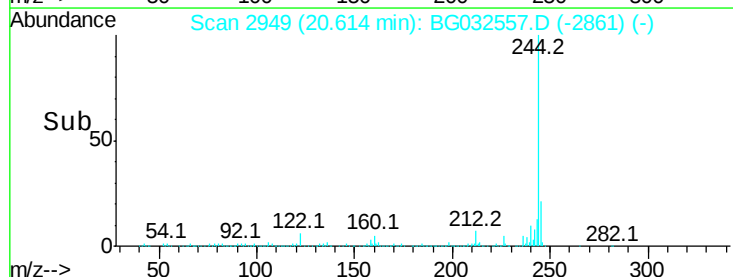
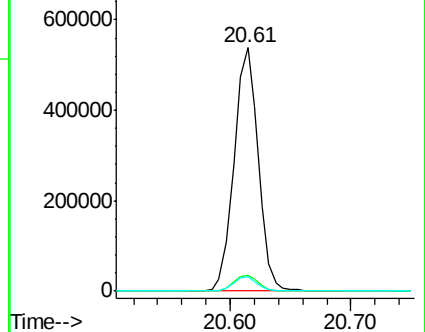
122 5.8 7.0 10.4#

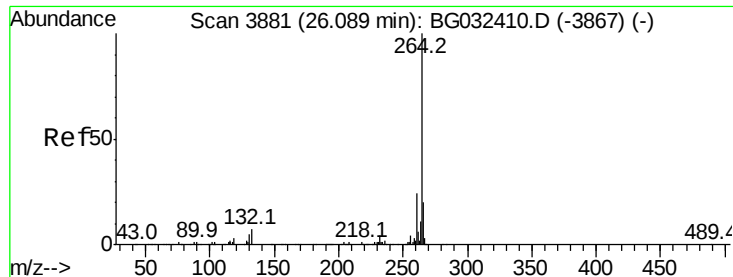


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

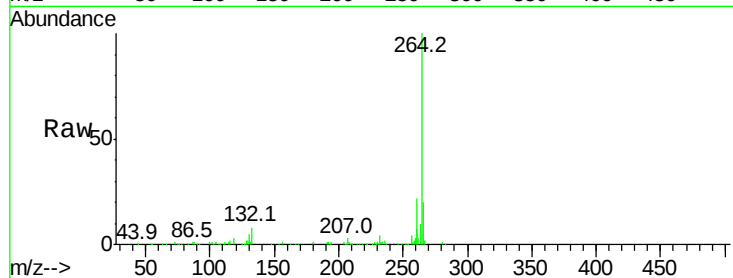




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.07 min Scan# 3877
 Delta R.T. -0.02 min
 Lab File: BG032557.D
 Acq: 6 Feb 2018 5:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.3	17.4	26.0
265	20.2	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

