

Data Path : U:\HPCHEM1\BNA G\DATA\BG020118\
 Data File : BG032505.D
 Acq On : 2 Feb 2018 00:46
 Operator : SJ/JU
 Sample : PB106258TB
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 02 02:52:09 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

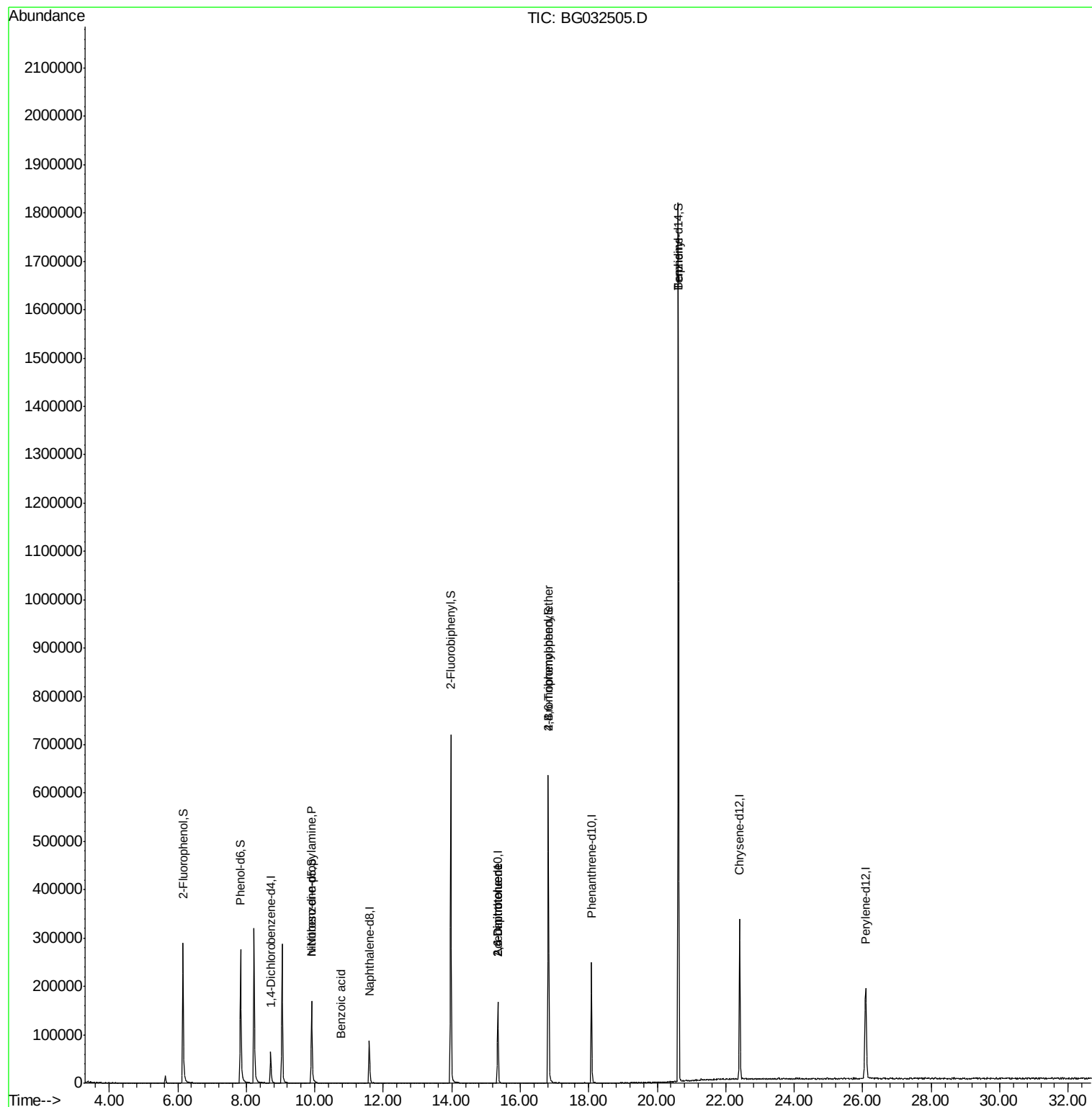
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.72	152	25146	20.00	ng	0.00
21) Naphthalene-d8	11.59	136	94699	20.00	ng	-0.01
38) Acenaphthene-d10	15.34	164	68385	20.00	ng	-0.01
63) Phenanthrene-d10	18.08	188	188451	20.00	ng	-0.01
75) Chrysene-d12	22.41	240	253974	20.00	ng	-0.01
86) Perylene-d12	26.08	264	271686	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.15	112	161605	129.08	ng	0.00
7) Phenol-d6	7.84	99	195569	117.06	ng	0.00
23) Nitrobenzene-d5	9.91	82	123410	81.40	ng	-0.01
41) 2,4,6-Tribromophenol	16.83	330	164699	126.53	ng	-0.01
44) 2-Fluorobiphenyl	13.97	172	458047	79.61	ng	-0.02
78) Terphenyl-d14	20.61	244	1011242	85.29	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.91	70	17968	16.221	ng	# 69
32) Benzoic acid	10.76	122	73	7.349	ng	# 1
50) 2,6-Dinitrotoluene	15.34	165	8743	6.606	ng	# 18
56) 2,4-Dinitrotoluene	15.34	165	8743	4.640	ng	# 16
66) 4-Bromophenyl-phenylether	16.82	248	13419	4.806	ng	# 1
76) Benzidine	20.61	184	15138	3.035	ng	# 87

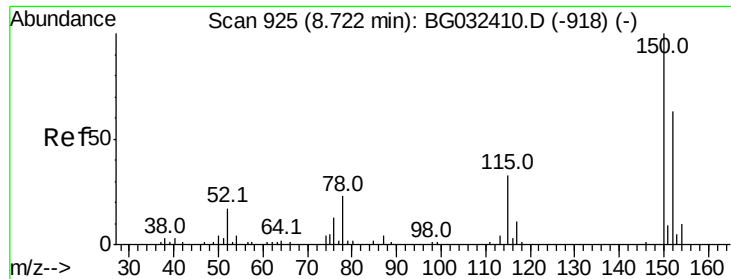
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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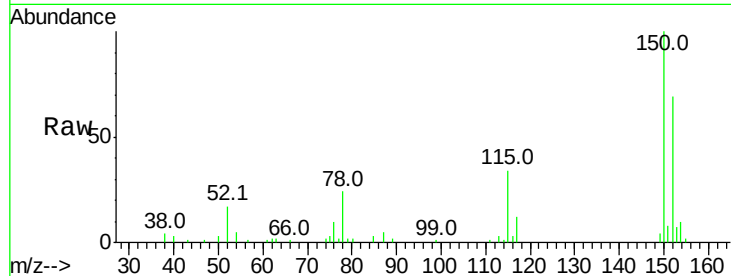


#1

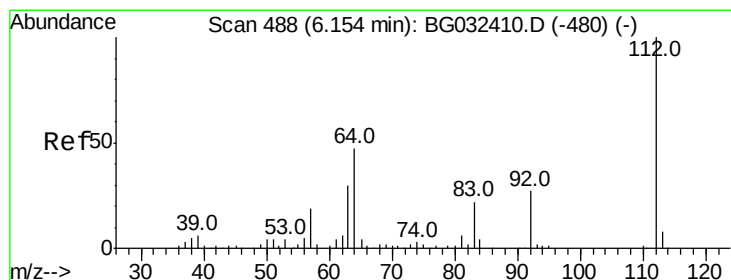
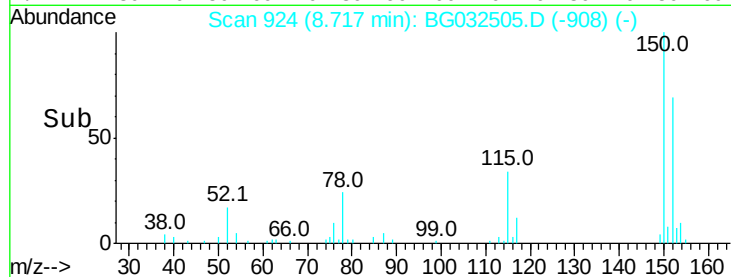
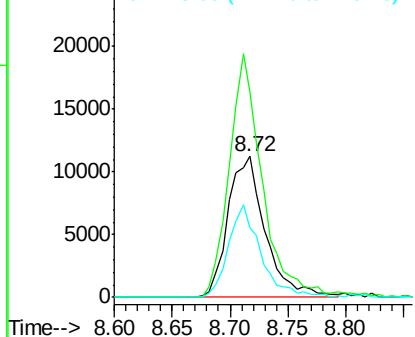
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.72 min Scan# 924
Delta R.T. -0.00 min
Lab File: BG032505.D
Acq: 2 Feb 2018 00:46

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 25146
Ion Ratio Lower Upper
152 100
150 145.4 126.6 189.8
115 49.4 53.0 79.4#



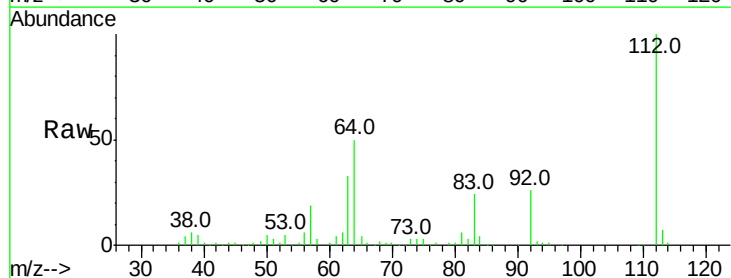
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



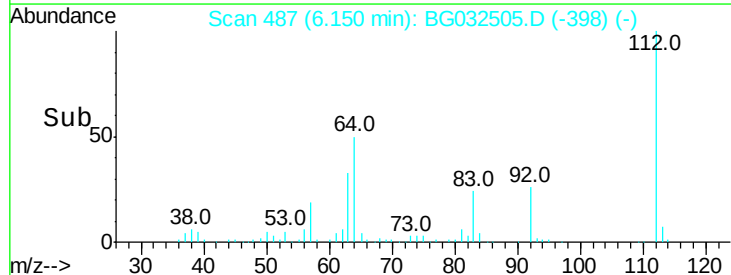
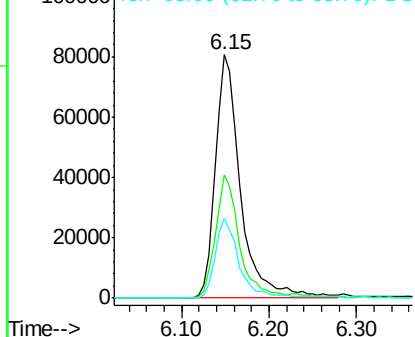
#5

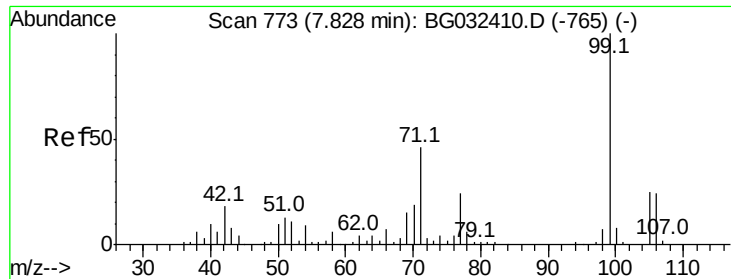
2-Fluorophenol
Concen: 129.083 ng
RT: 6.15 min Scan# 487
Delta R.T. -0.00 min
Lab File: BG032505.D
Acq: 2 Feb 2018 00:46

Tgt Ion:112 Resp: 161605
Ion Ratio Lower Upper
112 100
64 50.4 56.3 84.5#
63 32.8 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: 117.064 ng

RT: 7.84 min Scan# 774

Delta R.T. 0.01 min

Lab File: BG032505.D

Acq: 2 Feb 2018 00:46

Instrument :

BNA_G

ClientSampled :

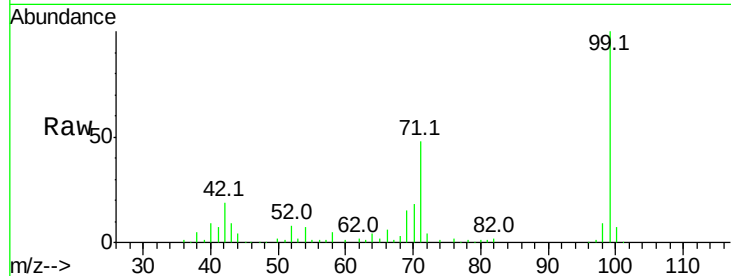
Tot Ion: 99 Resp: 195569

Ion Ratio Lower Upper

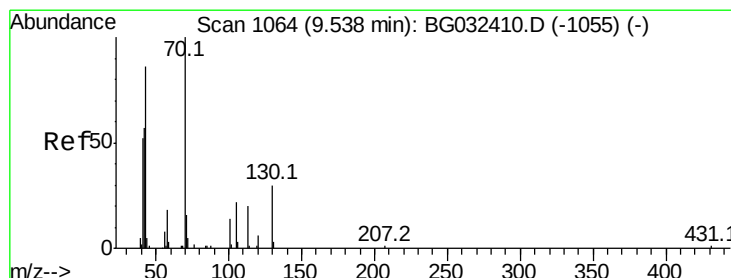
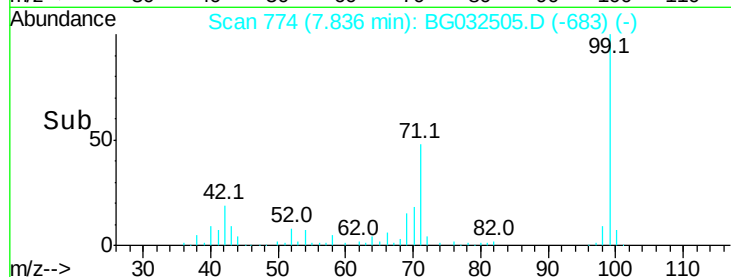
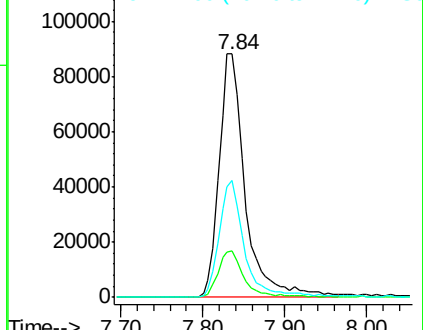
99 100

42 18.9 14.1 21.1

71 48.1 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: 16.221 ng

RT: 9.91 min Scan# 1127

Delta R.T. 0.37 min

Lab File: BG032505.D

Acq: 2 Feb 2018 00:46

Tgt Ion: 70 Resp: 17968

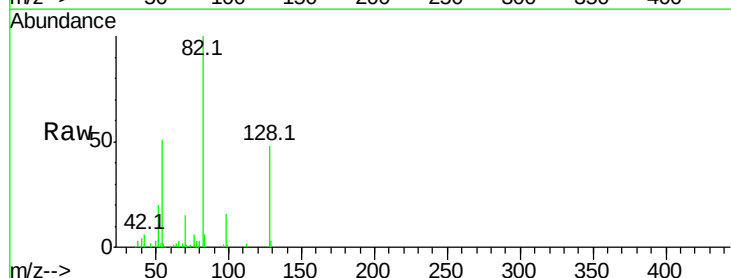
Ion Ratio Lower Upper

70 100

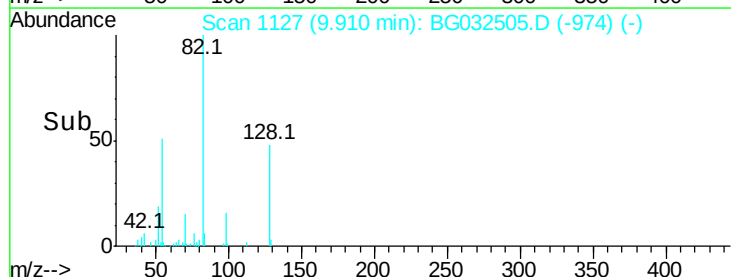
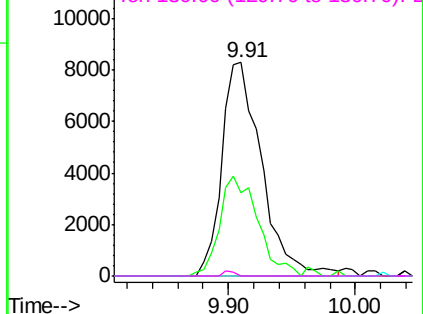
42 39.0 49.1 73.7#

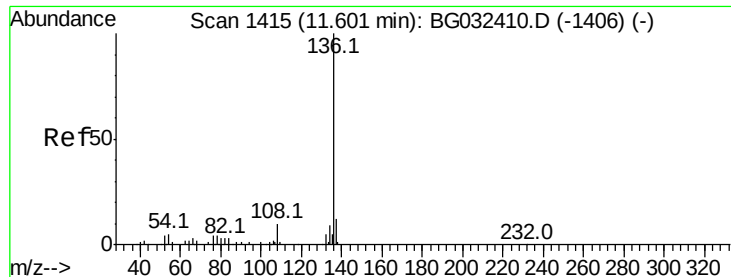
101 0.0 8.5 12.7#

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: 11.59 min Scan# 1413

Delta R.T. -0.01 min

Lab File: BG032505.D

Acq: 2 Feb 2018 00:46

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 94699

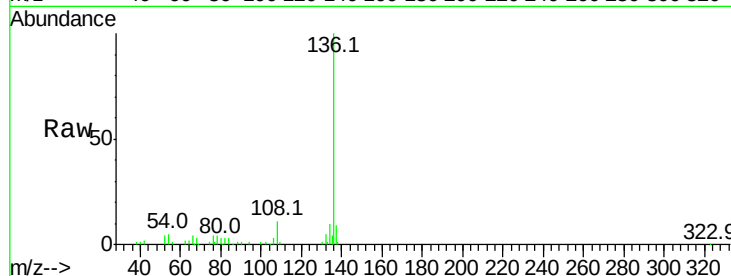
Ion Ratio Lower Upper

136 100

137 9.5 9.2 13.8

54 5.3 10.3 15.5#

68 3.0 4.5 6.7#

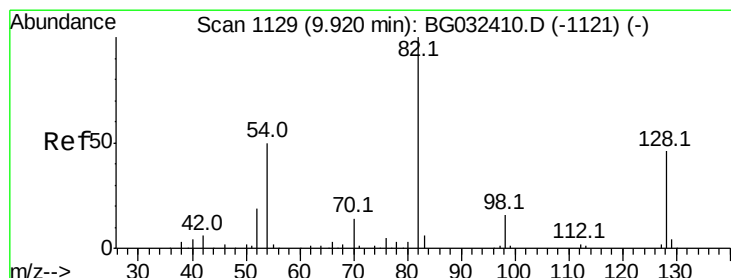
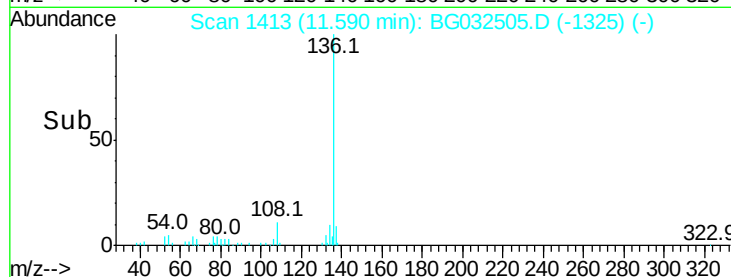
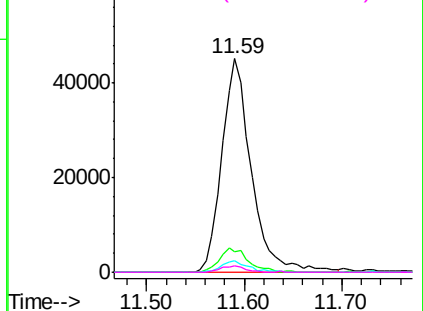


Abundance Ion 136.00 (135.70 to 136.70): E

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: 81.397 ng

RT: 9.91 min Scan# 1127

Delta R.T. -0.01 min

Lab File: BG032505.D

Acq: 2 Feb 2018 00:46

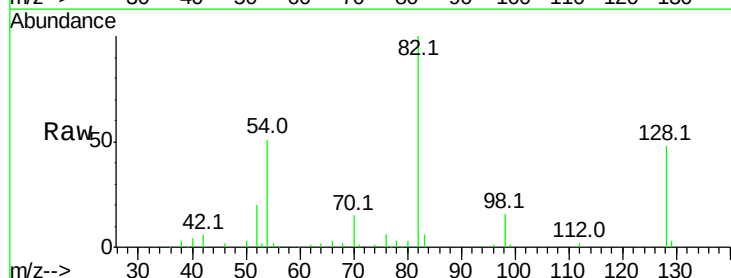
Tgt Ion: 82 Resp: 123410

Ion Ratio Lower Upper

82 100

128 47.6 29.7 44.5#

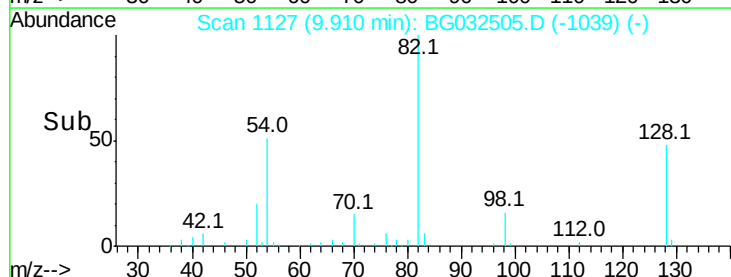
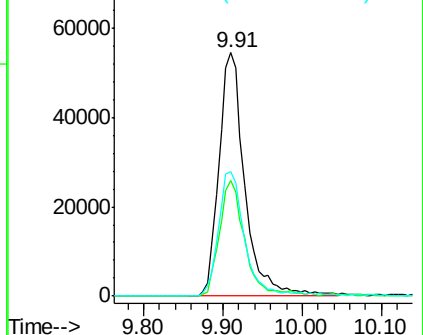
54 51.3 43.1 64.7

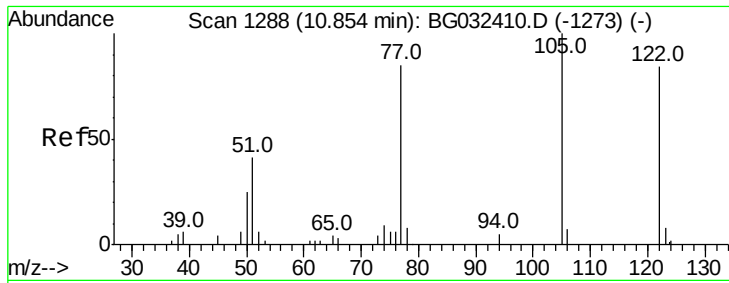


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

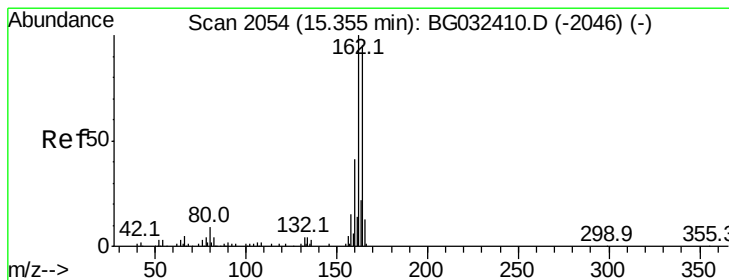
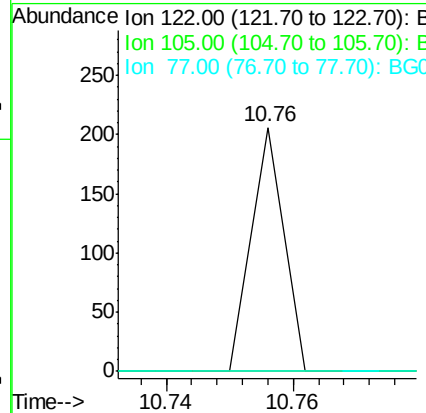
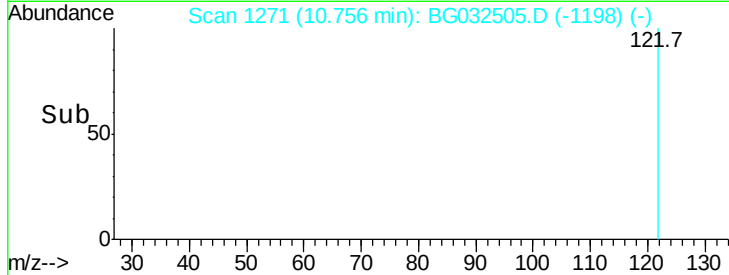
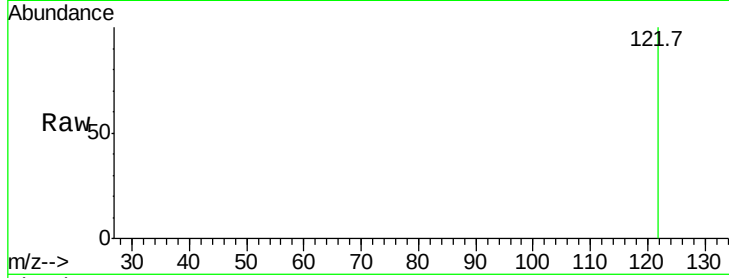




#32
Benzoic acid
Concen: 7.349 ng
RT: 10.76 min Scan# 1271
Delta R.T. -0.10 min
Lab File: BG032505.D
Acq: 2 Feb 2018 00:46

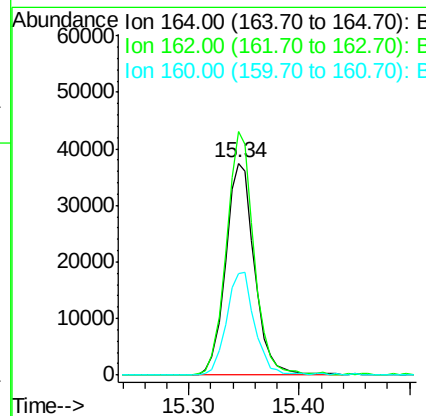
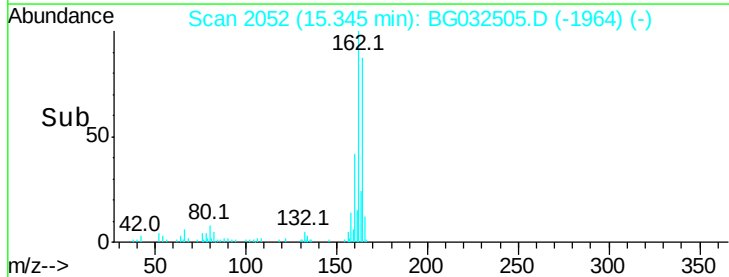
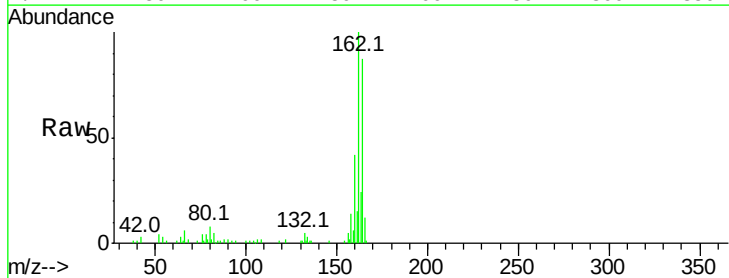
Instrument :
BNA_G
ClientSampleId :

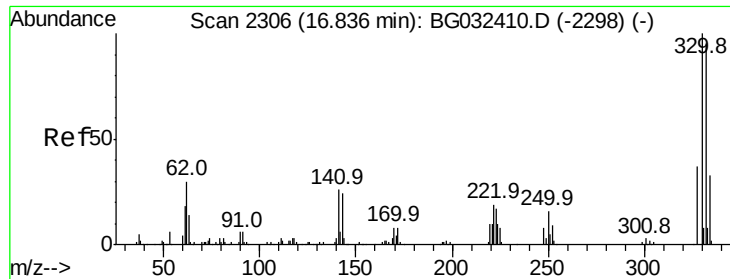
Tot Ion:122 Resp: 73
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.34 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BG032505.D
Acq: 2 Feb 2018 00:46

Tgt Ion:164 Resp: 68385
Ion Ratio Lower Upper
164 100
162 114.9 78.8 118.2
160 47.8 35.4 53.0

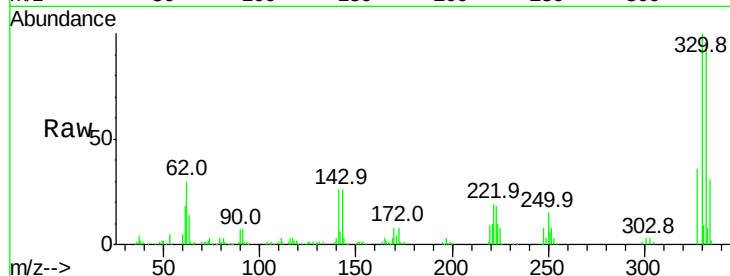




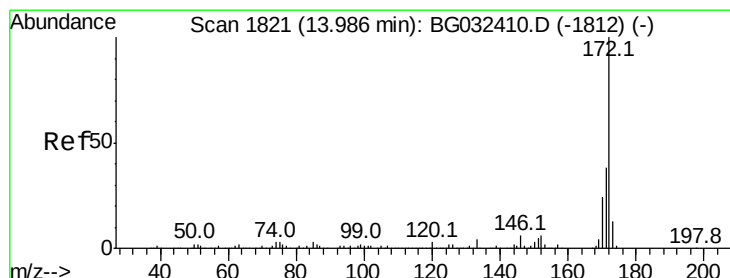
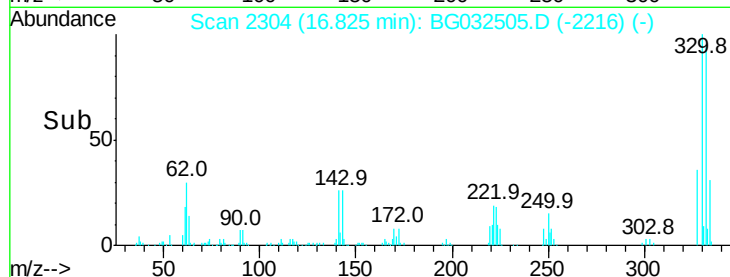
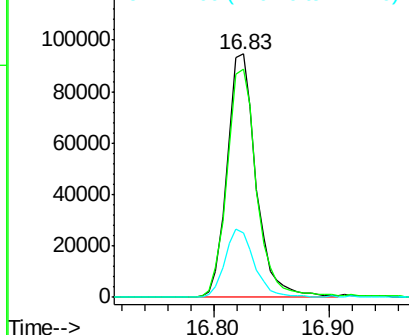
#41
 2,4,6-Tribromophenol
 Concen: 126.525 ng
 RT: 16.83 min Scan# 2304
 Delta R.T. -0.01 min
 Lab File: BG032505.D
 Acq: 2 Feb 2018 00:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 164699
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.0 115.6
 141 28.6 25.2 37.8

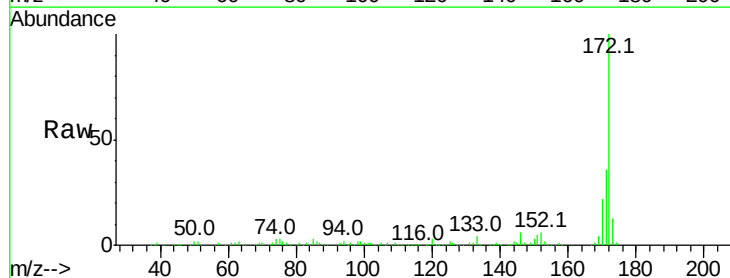


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

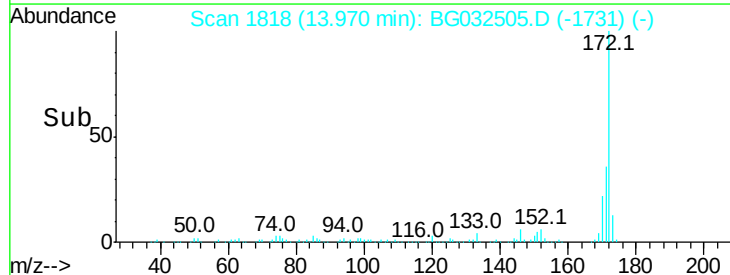
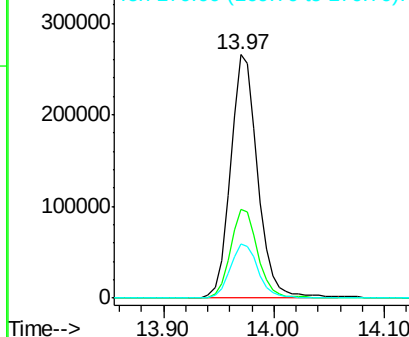


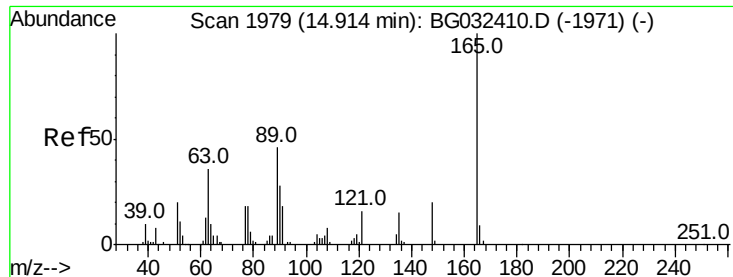
#44
 2-Fluorobiphenyl
 Concen: 79.611 ng
 RT: 13.97 min Scan# 1818
 Delta R.T. -0.02 min
 Lab File: BG032505.D
 Acq: 2 Feb 2018 00:46

Tgt Ion:172 Resp: 458047
 Ion Ratio Lower Upper
 172 100
 171 36.2 30.0 45.0
 170 22.3 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

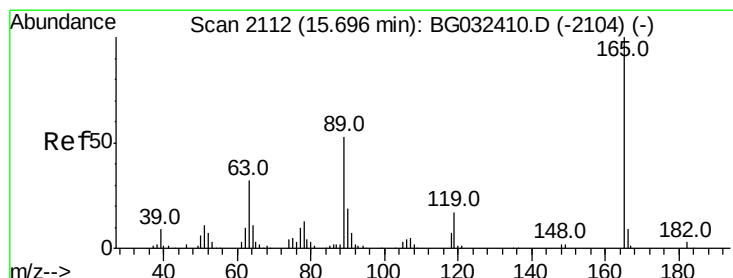
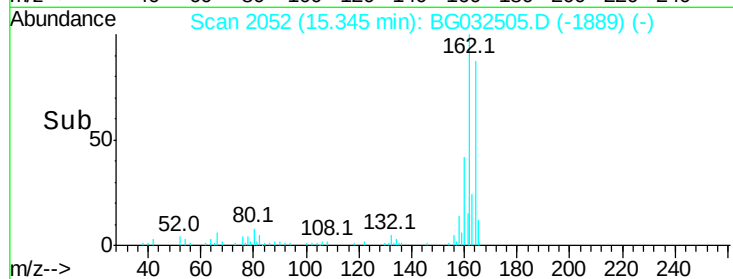
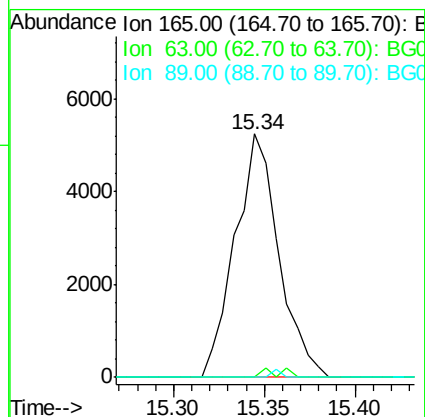
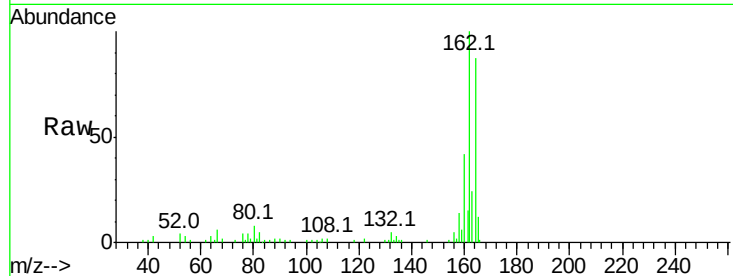




#50
2,6-Dinitrotoluene
Concen: 6.606 ng
RT: 15.34 min Scan# 2052
Delta R.T. 0.43 min
Lab File: BG032505.D
Acq: 2 Feb 2018 00:46

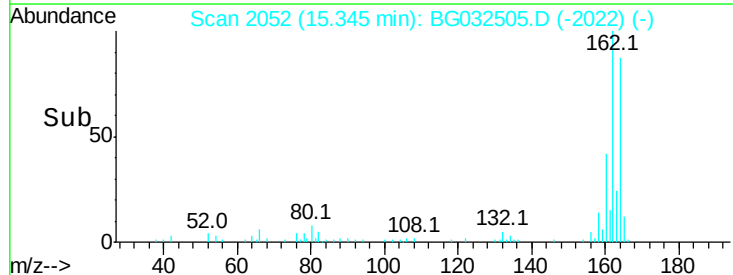
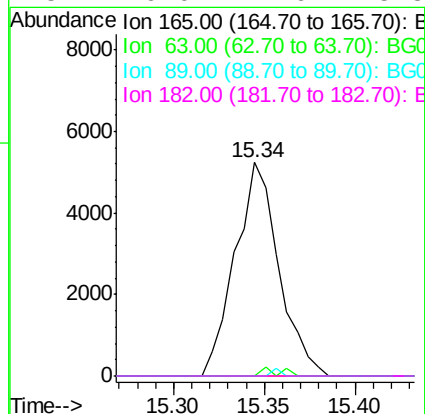
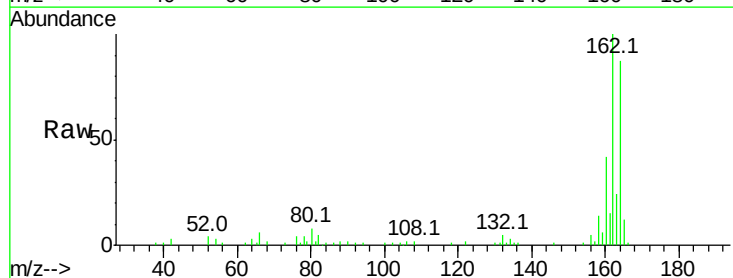
Instrument :
BNA_G
ClientSampleId :

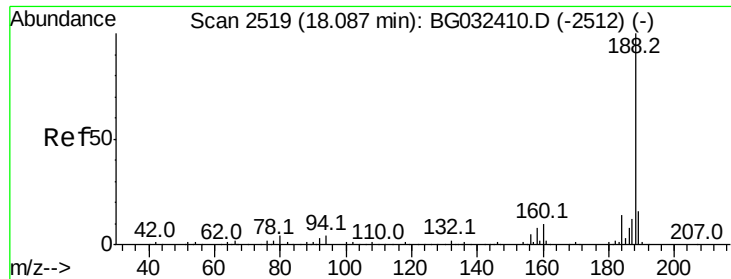
Tot Ion:165 Resp: 8743
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 4.640 ng
RT: 15.34 min Scan# 2052
Delta R.T. -0.35 min
Lab File: BG032505.D
Acq: 2 Feb 2018 00:46

Tgt Ion:165 Resp: 8743
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#

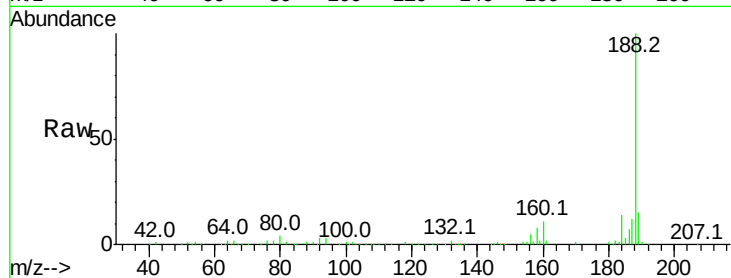




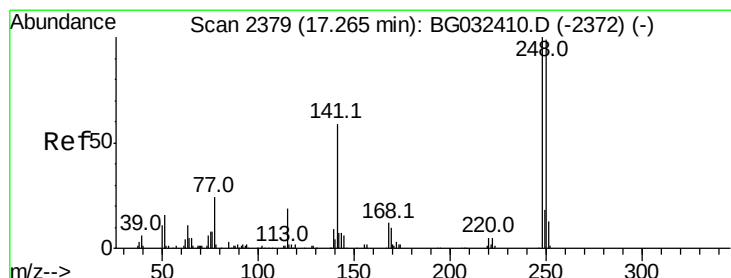
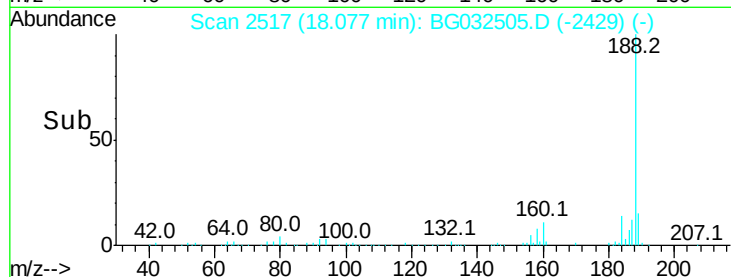
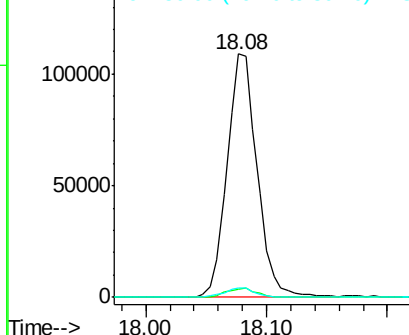
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.08 min Scan# 2517
 Delta R.T. -0.01 min
 Lab File: BG032505.D
 Acq: 2 Feb 2018 00:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 188451
 Ion Ratio Lower Upper
 188 100
 94 3.5 6.9 10.3#
 80 4.1 7.7 11.5#

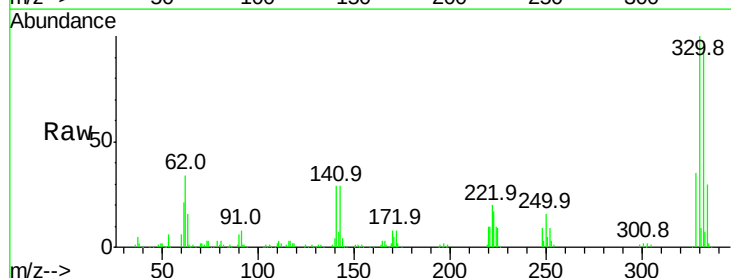


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

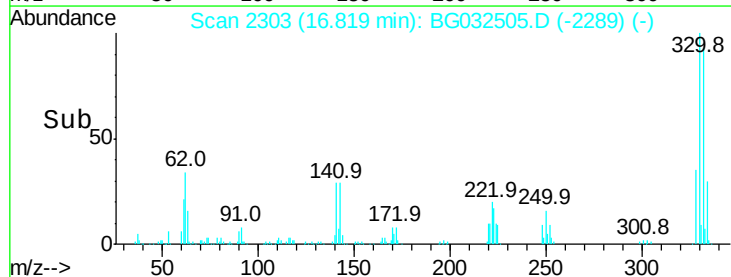
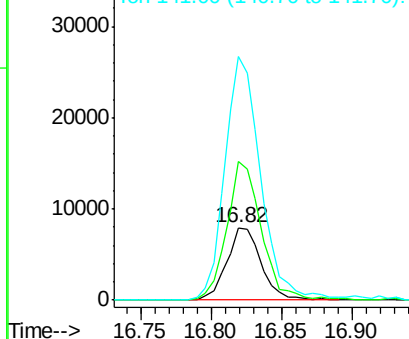


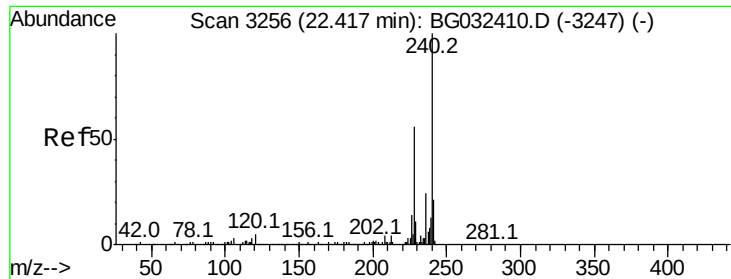
#66
 4-Bromophenyl-phenylether
 Concen: 4.806 ng
 RT: 16.82 min Scan# 2303
 Delta R.T. -0.45 min
 Lab File: BG032505.D
 Acq: 2 Feb 2018 00:46

Tgt Ion:248 Resp: 13419
 Ion Ratio Lower Upper
 248 100
 250 190.9 77.1 115.7#
 141 335.9 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: 22.41 min Scan# 3254

Delta R.T. -0.01 min

Lab File: BG032505.D

Acq: 2 Feb 2018 00:46

Instrument :

BNA_G

ClientSampleId :

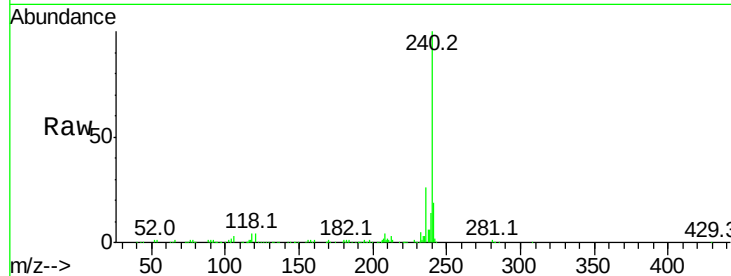
Tot Ion:240 Resp: 253974

Ion Ratio Lower Upper

240 100

120 4.4 6.8 10.2#

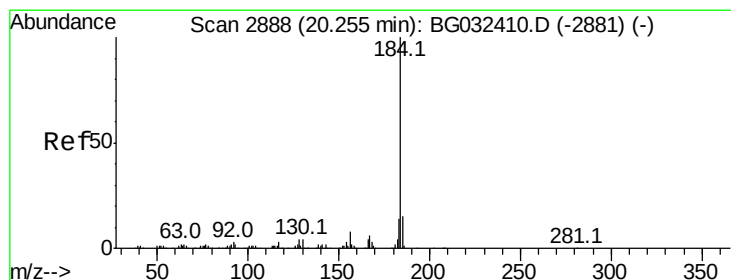
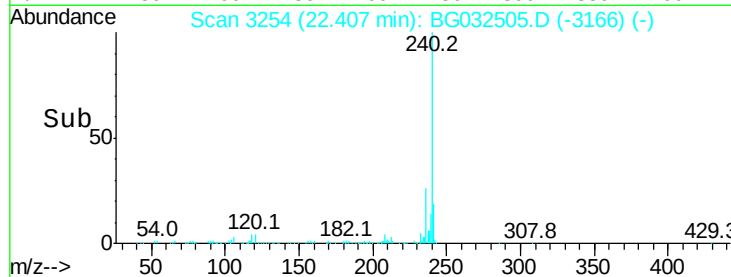
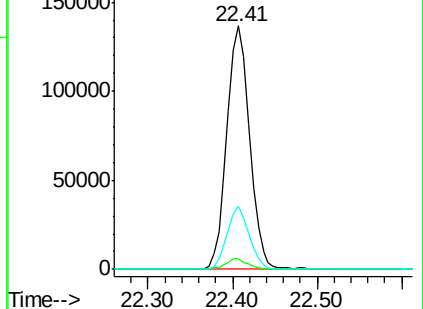
236 25.7 20.9 31.3



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: 3.035 ng

RT: 20.61 min Scan# 2949

Delta R.T. 0.36 min

Lab File: BG032505.D

Acq: 2 Feb 2018 00:46

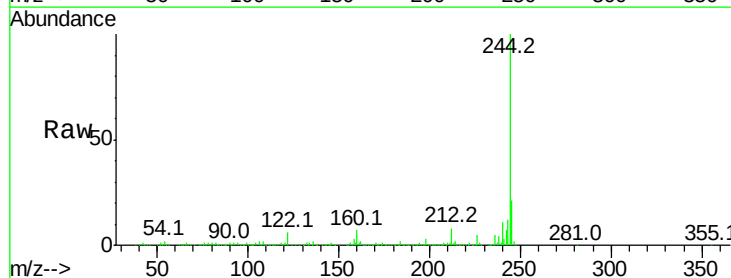
Tgt Ion:184 Resp: 15138

Ion Ratio Lower Upper

184 100

185 20.7 11.1 16.7#

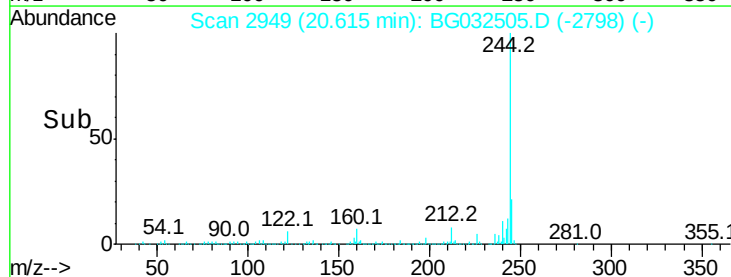
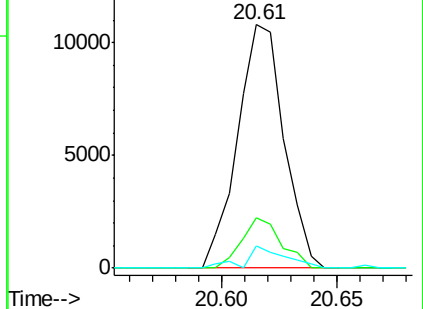
183 9.3 10.6 16.0#

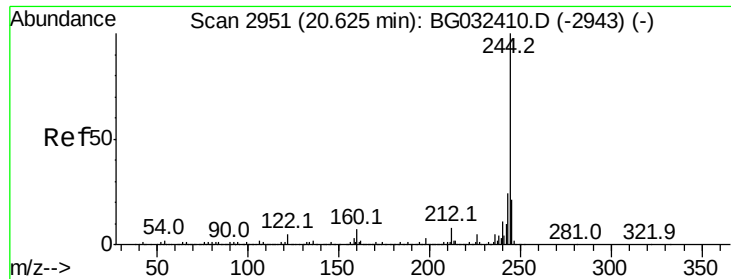


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 85.291 ng

RT: 20.61 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BG032505.D

Acq: 2 Feb 2018 00:46

Instrument :

BNA_G

ClientSampleId :

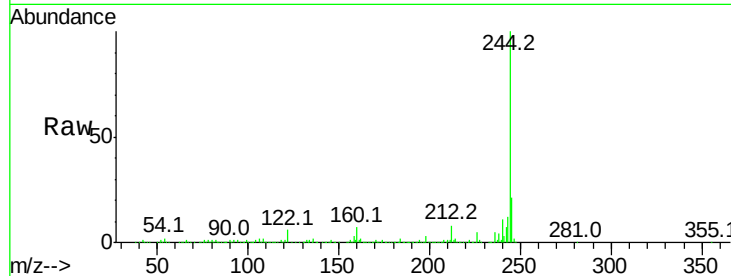
Tot Ion:244 Resp: 1011242

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

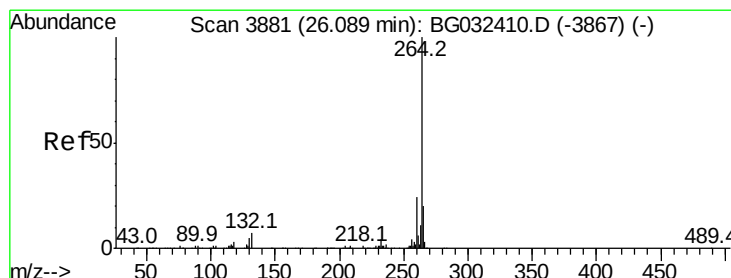
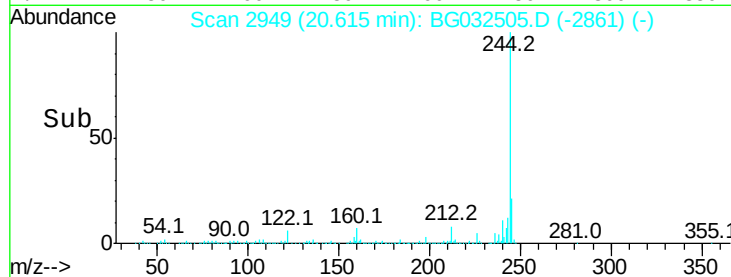
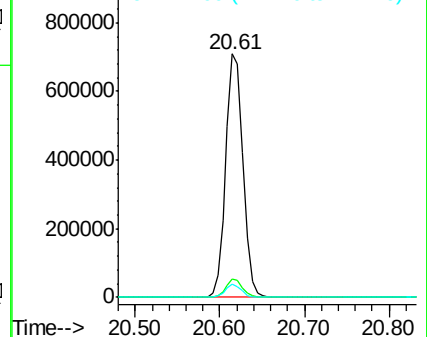
122 5.5 7.0 10.4#



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: 26.08 min Scan# 3879

Delta R.T. -0.01 min

Lab File: BG032505.D

Acq: 2 Feb 2018 00:46

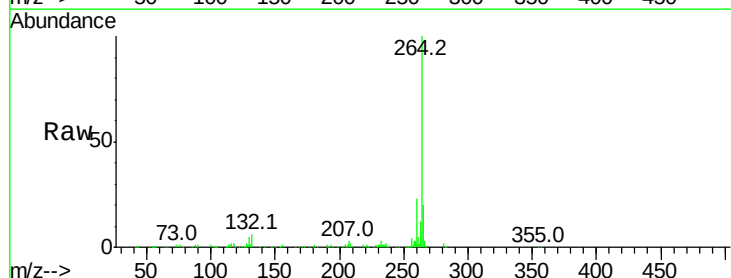
Tgt Ion:264 Resp: 271686

Ion Ratio Lower Upper

264 100

260 22.8 17.4 26.0

265 20.4 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

