

Data Path : U:\HPCHEM1\BNA G\DATA\BG013018\
 Data File : BG032459.D
 Acq On : 31 Jan 2018 2:01
 Operator : SJ/JU
 Sample : PB106192TB
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 31 03:38:40 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

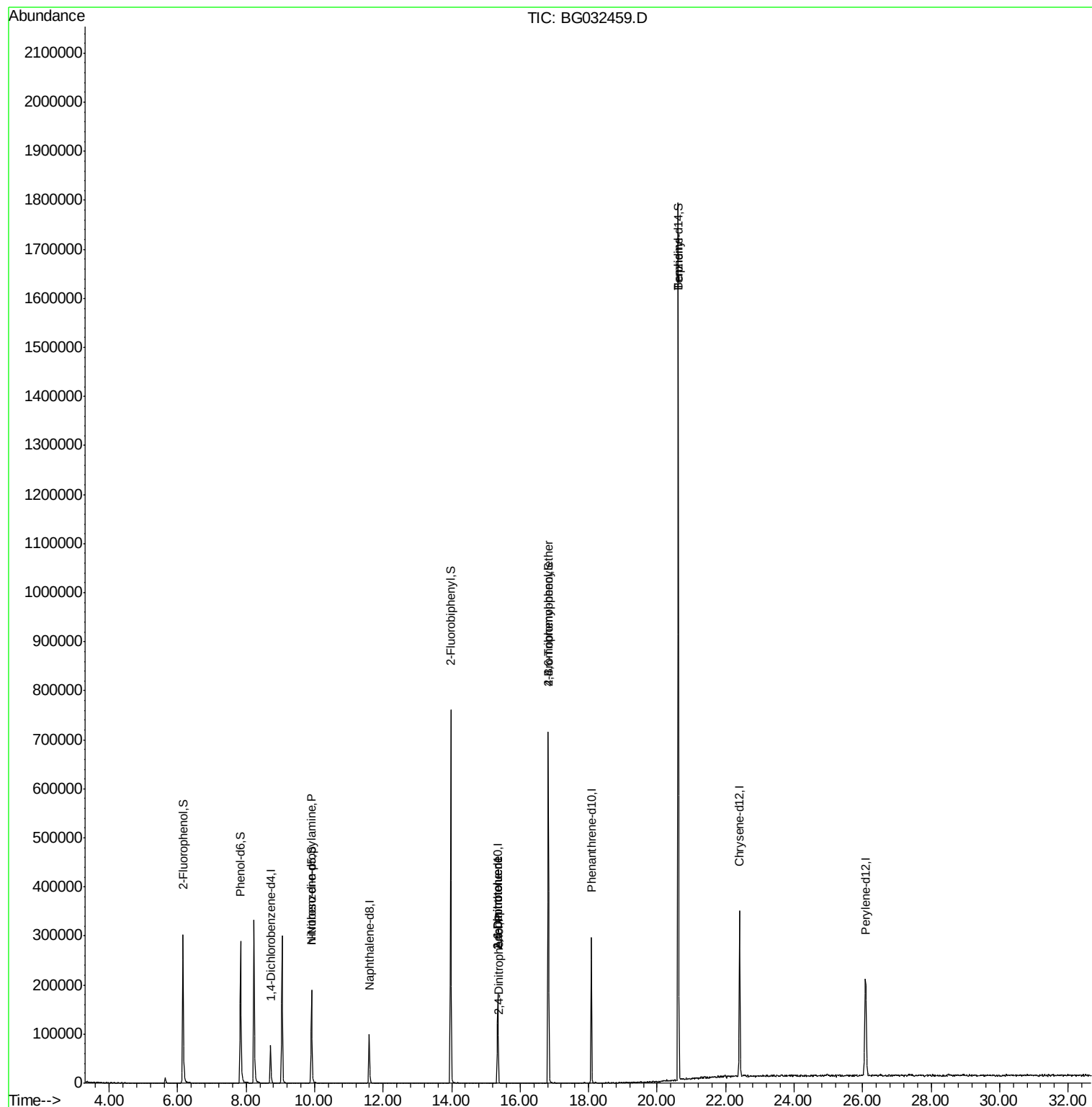
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.71	152	28526	20.00	ng	0.00
21) Naphthalene-d8	11.59	136	105366	20.00	ng	0.00
38) Acenaphthene-d10	15.35	164	73369	20.00	ng	0.00
63) Phenanthrene-d10	18.08	188	199366	20.00	ng	0.00
75) Chrysene-d12	22.41	240	258217	20.00	ng	0.00
86) Perylene-d12	26.09	264	275106	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.15	112	167299	117.80	ng	0.00
7) Phenol-d6	7.83	99	200879	106.00	ng	0.00
23) Nitrobenzene-d5	9.91	82	123535	73.23	ng	-0.01
41) 2,4,6-Tribromophenol	16.82	330	169915	121.67	ng	-0.01
44) 2-Fluorobiphenyl	13.97	172	453981	73.54	ng	-0.01
78) Terphenyl-d14	20.62	244	958002	79.47	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.91	70	17623	14.025	ng	# 72
50) 2,6-Dinitrotoluene	15.35	165	9558	6.732	ng	# 22
53) 2,4-Dinitrophenol	15.37	184	65	4.174	ng	# 1
56) 2,4-Dinitrotoluene	15.35	165	9558	4.728	ng	# 20
66) 4-Bromophenyl-phenylether	16.82	248	14055	4.759	ng	# 1
76) Benzidine	20.62	184	13319	2.627	ng	95

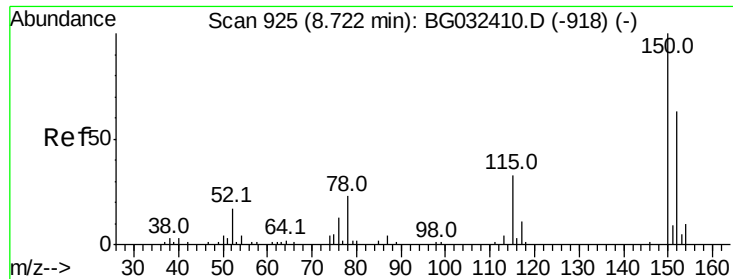
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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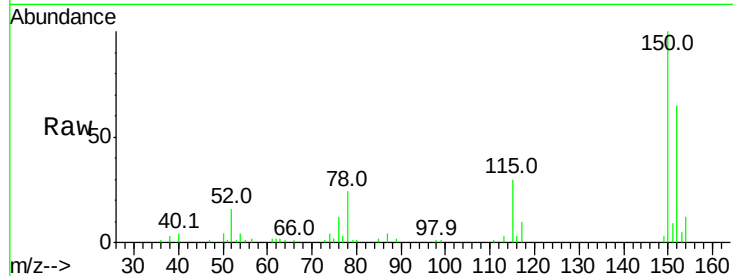


#1

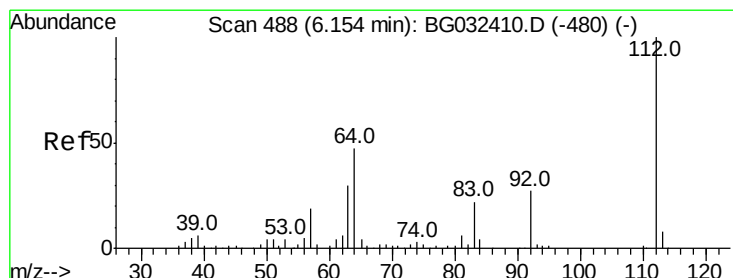
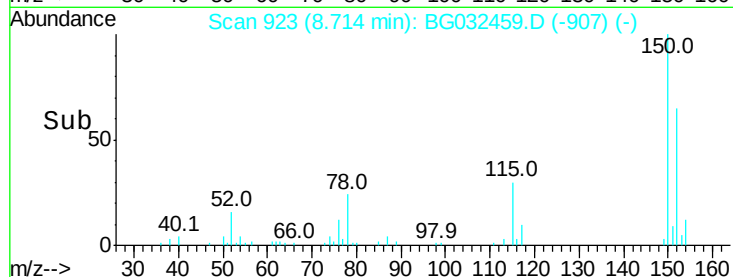
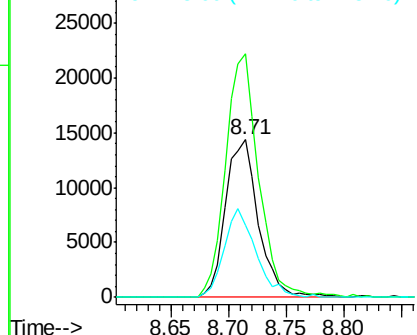
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.71 min Scan# 923
Delta R.T. -0.01 min
Lab File: BG032459.D
Acq: 31 Jan 2018 2:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 28526
Ion Ratio Lower Upper
152 100
150 154.4 126.6 189.8
115 45.8 53.0 79.4#



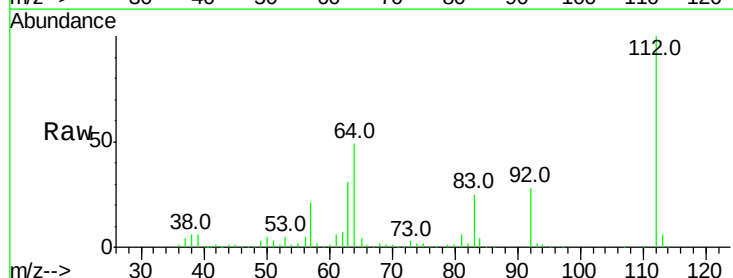
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



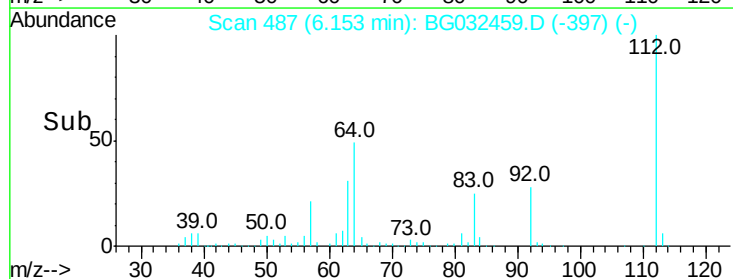
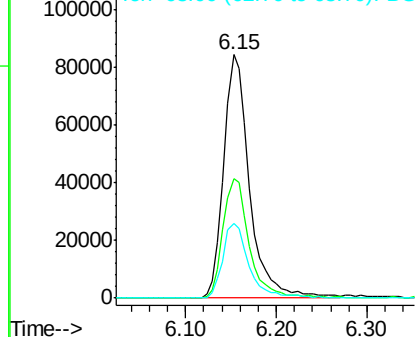
#5

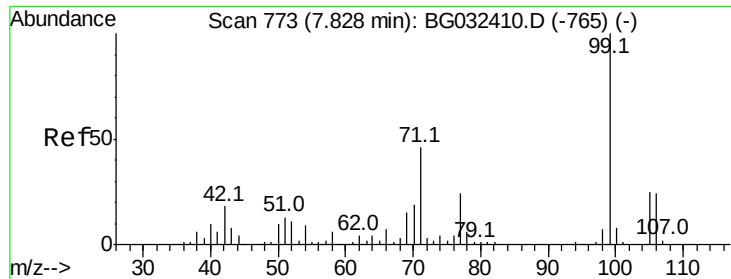
2-Fluorophenol
Concen: 117.798 ng
RT: 6.15 min Scan# 487
Delta R.T. -0.00 min
Lab File: BG032459.D
Acq: 31 Jan 2018 2:01

Tgt Ion:112 Resp: 167299
Ion Ratio Lower Upper
112 100
64 49.0 56.3 84.5#
63 30.6 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: 105.995 ng

RT: 7.83 min Scan# 773

Delta R.T. 0.00 min

Lab File: BG032459.D

Acq: 31 Jan 2018 2:01

Instrument :

BNA_G

ClientSampleId :

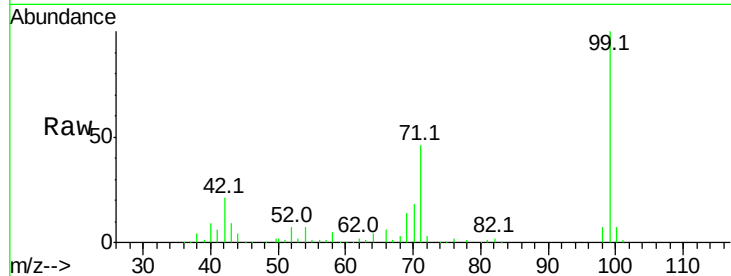
Tot Ion: 99 Resp: 200879

Ion Ratio Lower Upper

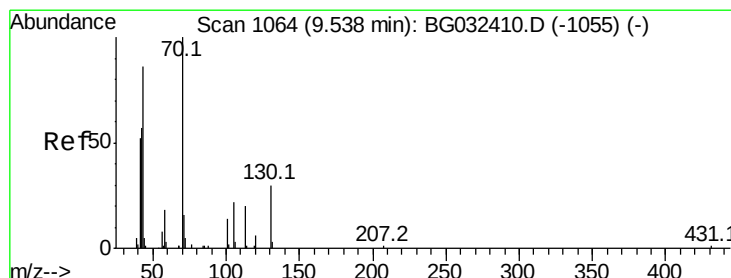
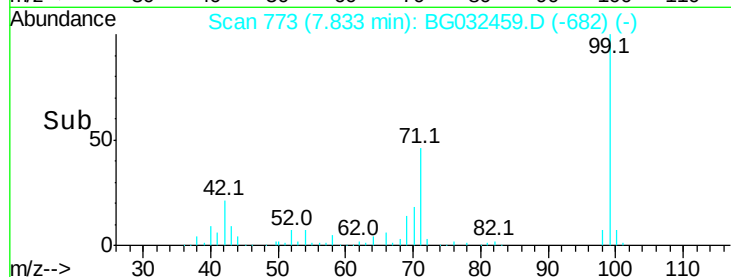
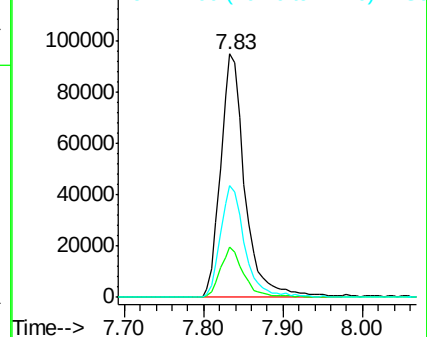
99 100

42 20.6 14.1 21.1

71 46.0 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: 14.025 ng

RT: 9.91 min Scan# 1127

Delta R.T. 0.37 min

Lab File: BG032459.D

Acq: 31 Jan 2018 2:01

Tgt Ion: 70 Resp: 17623

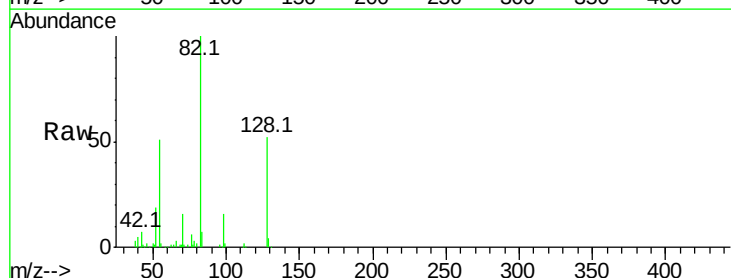
Ion Ratio Lower Upper

70 100

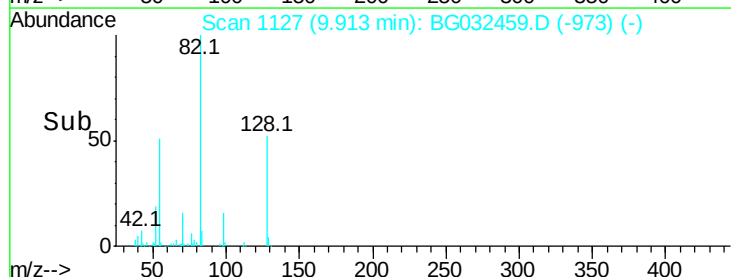
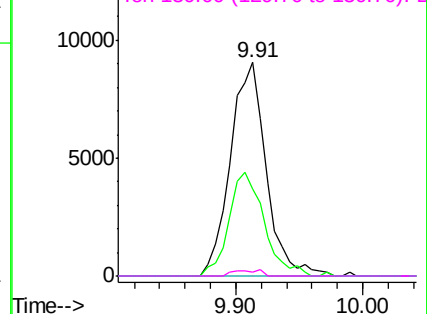
42 41.0 49.1 73.7#

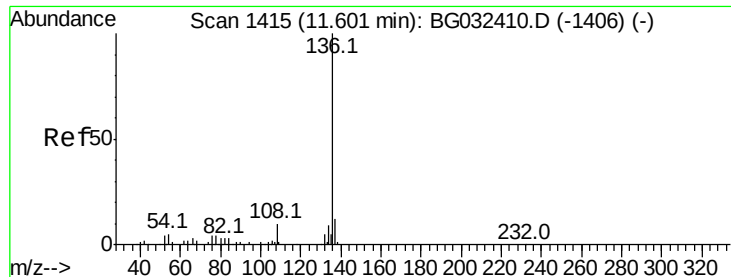
101 0.0 8.5 12.7#

130 1.8 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: 20.000 ng

RT: 11.59 min Scan# 1413

Delta R.T. -0.01 min

Lab File: BG032459.D

Acq: 31 Jan 2018 2:01

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 105366

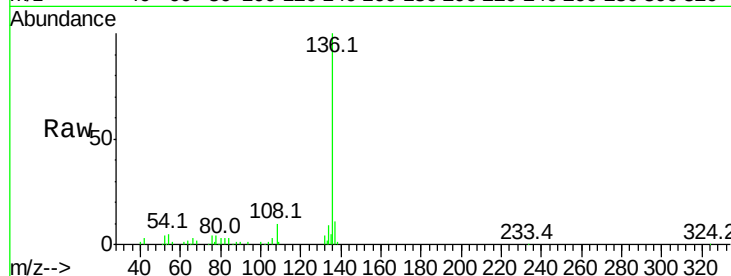
Ion Ratio Lower Upper

136 100

137 11.5 9.2 13.8

54 5.2 10.3 15.5#

68 2.3 4.5 6.7#

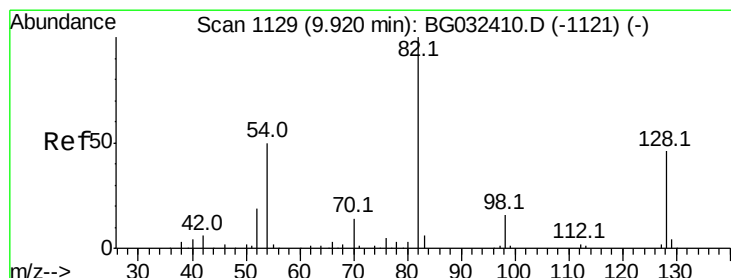
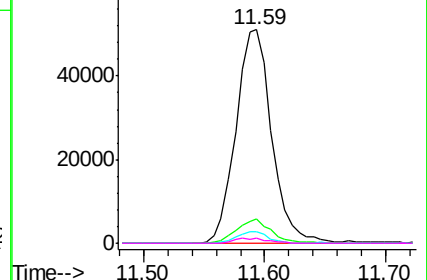
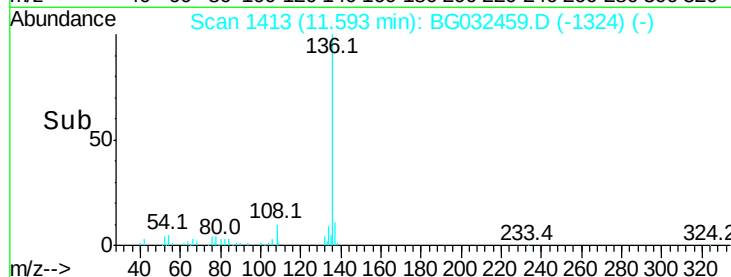


Abundance Ion 136.00 (135.70 to 136.70): E

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: 73.231 ng

RT: 9.91 min Scan# 1126

Delta R.T. -0.01 min

Lab File: BG032459.D

Acq: 31 Jan 2018 2:01

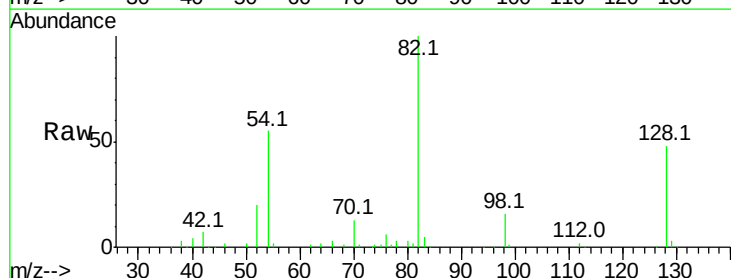
Tgt Ion: 82 Resp: 123535

Ion Ratio Lower Upper

82 100

128 48.4 29.7 44.5#

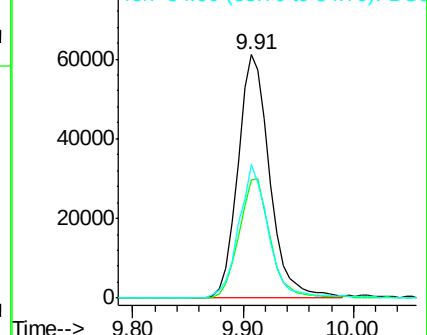
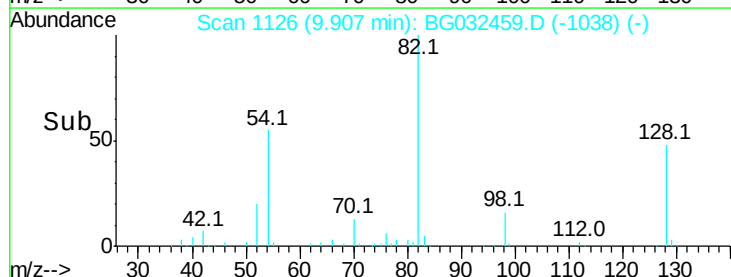
54 55.0 43.1 64.7

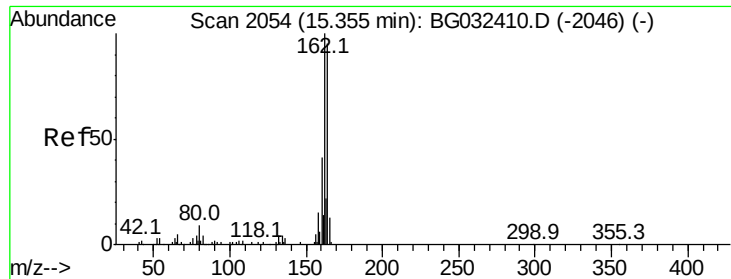


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.35 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BG032459.D

Acq: 31 Jan 2018 2:01

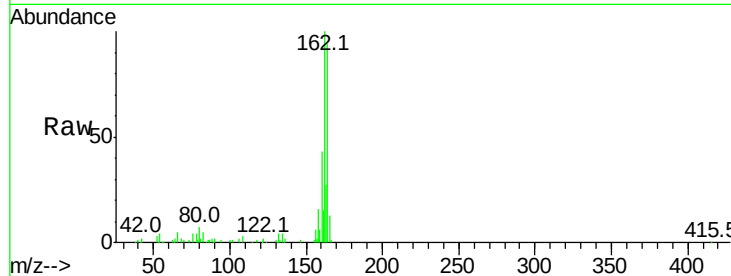
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 73369

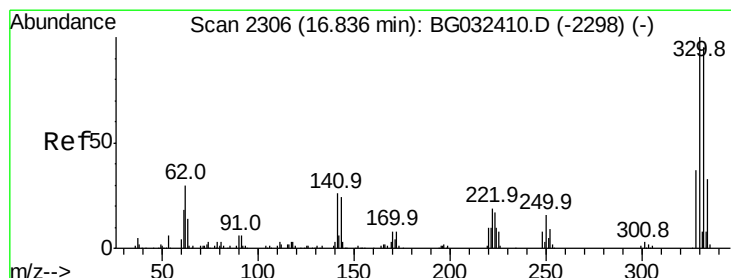
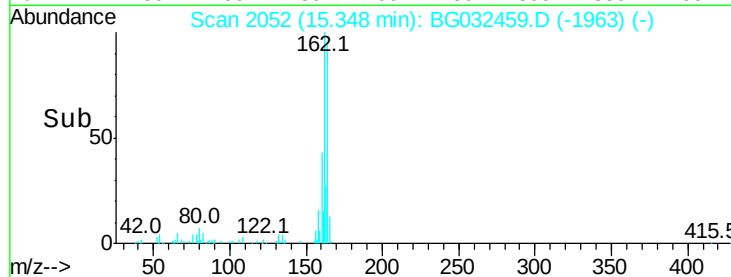
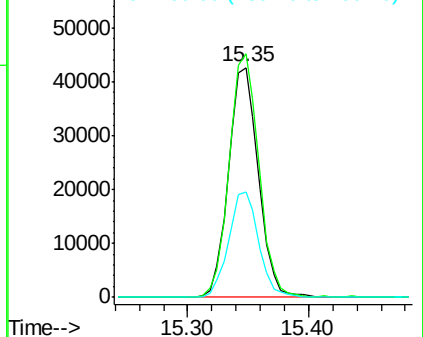
Ion	Ratio	Lower	Upper
164	100		
162	106.0	78.8	118.2
160	45.6	35.4	53.0



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: 121.665 ng

RT: 16.82 min Scan# 2303

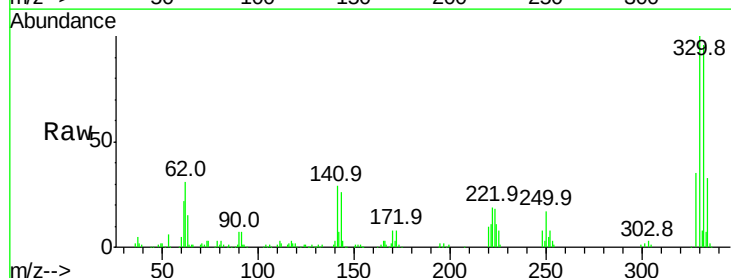
Delta R.T. -0.01 min

Lab File: BG032459.D

Acq: 31 Jan 2018 2:01

Tgt Ion:330 Resp: 169915

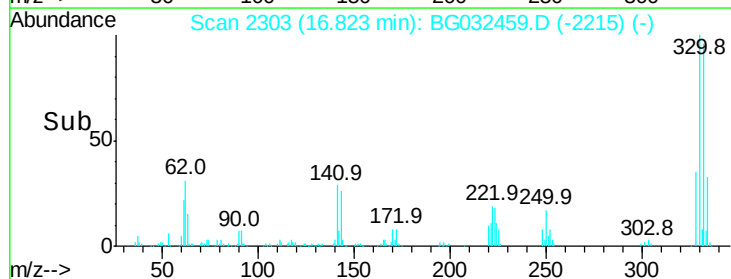
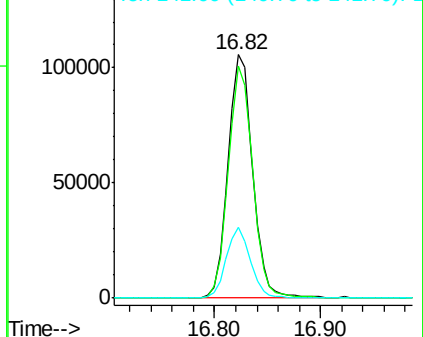
Ion	Ratio	Lower	Upper
330	100		
332	94.6	77.0	115.6
141	28.3	25.2	37.8

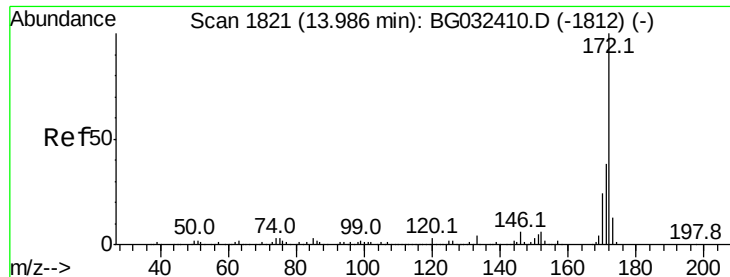


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

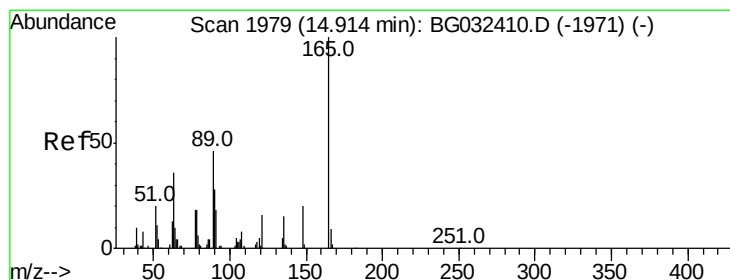
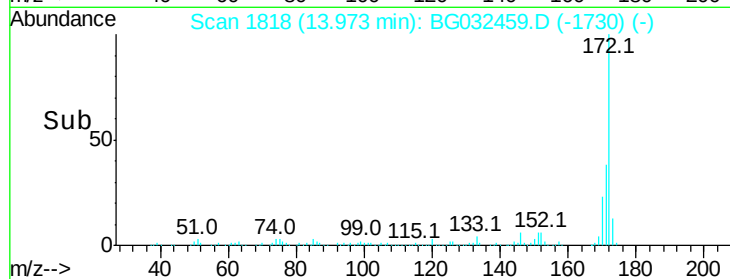
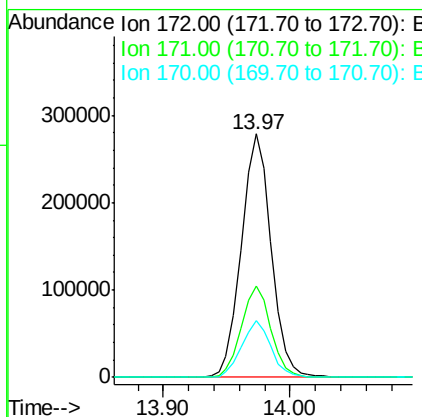
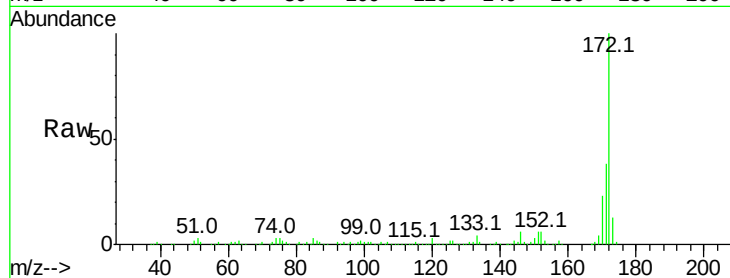




#44
2-Fluorobiphenyl
Concen: 73.544 ng
RT: 13.97 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BG032459.D
Acq: 31 Jan 2018 2:01

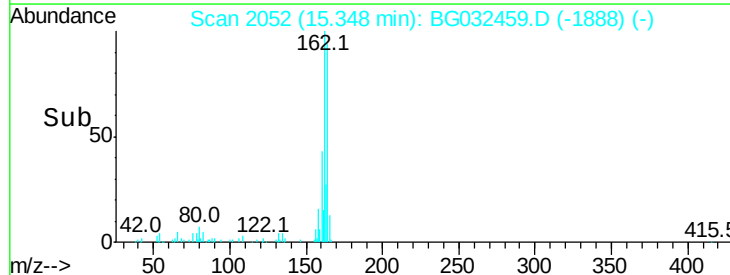
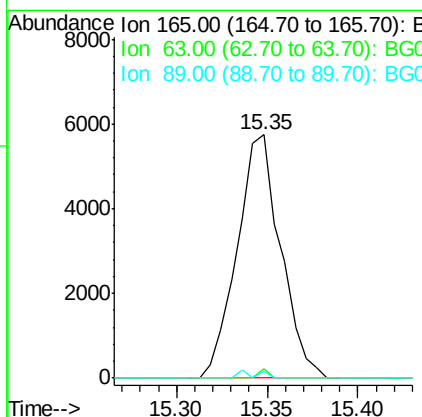
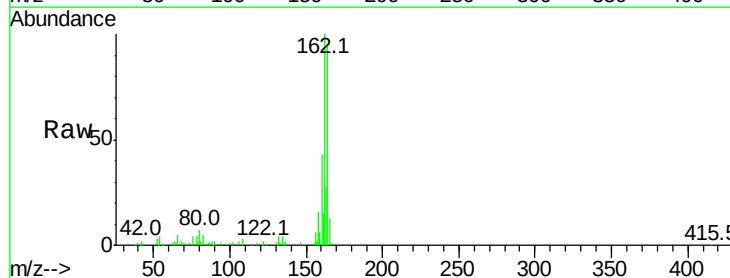
Instrument :
BNA_G
ClientSampleId :

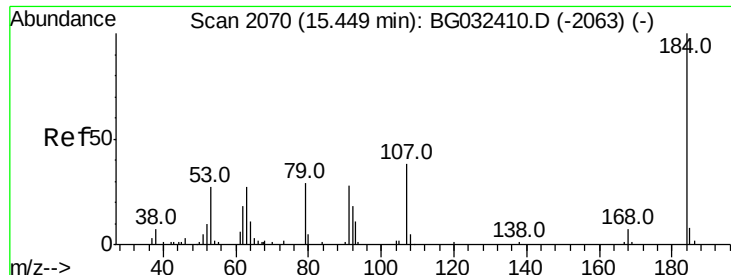
Tot Ion:172 Resp: 453981
Ion Ratio Lower Upper
172 100
171 37.6 30.0 45.0
170 23.1 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 6.732 ng
RT: 15.35 min Scan# 2052
Delta R.T. 0.43 min
Lab File: BG032459.D
Acq: 31 Jan 2018 2:01

Tgt Ion:165 Resp: 9558
Ion Ratio Lower Upper
165 100
63 3.8 52.7 79.1#
89 2.6 49.2 73.8#

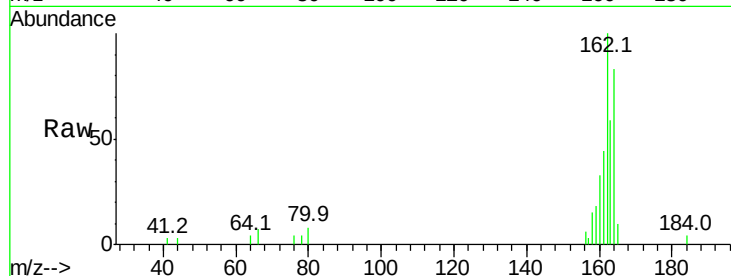




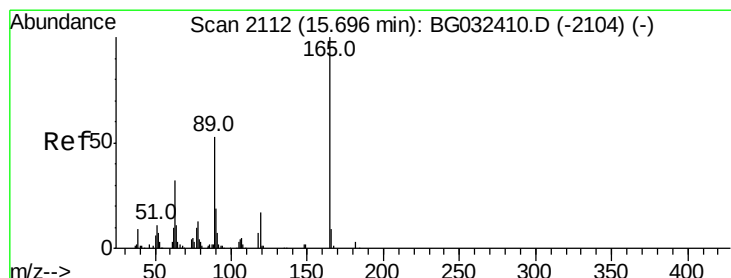
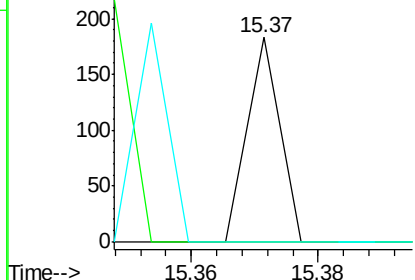
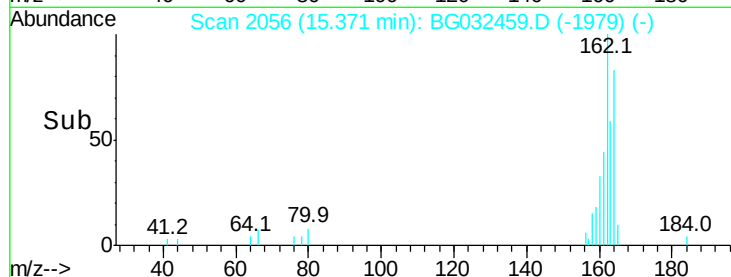
#53
 2,4-Dinitrophenol
 Concen: 4.174 ng
 RT: 15.37 min Scan# 2056
 Delta R.T. -0.08 min
 Lab File: BG032459.D
 Acq: 31 Jan 2018 2:01

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:184 Resp: 65
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#

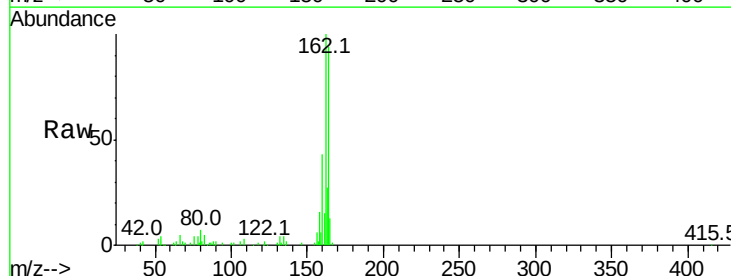


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG0
 Ion 154.00 (153.70 to 154.70): E

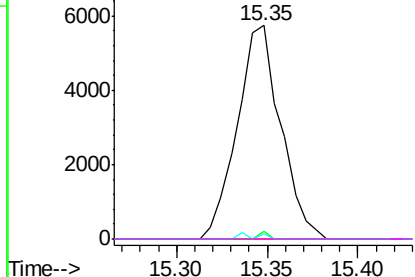
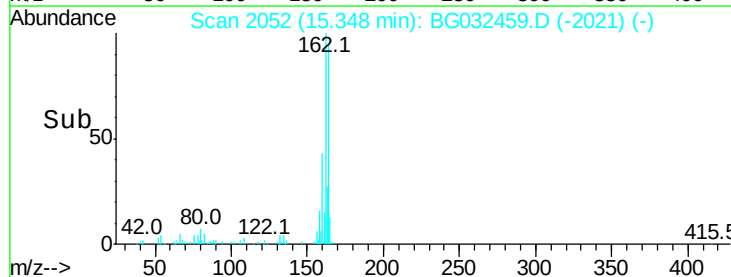


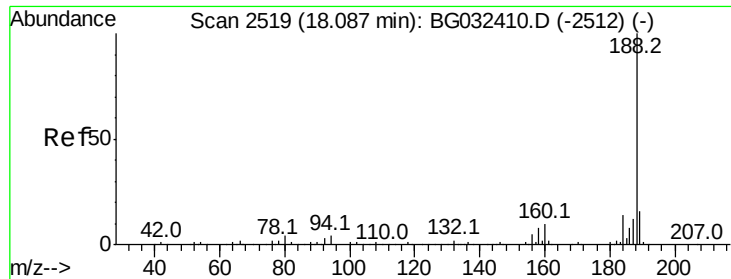
#56
 2,4-Dinitrotoluene
 Concen: 4.728 ng
 RT: 15.35 min Scan# 2052
 Delta R.T. -0.35 min
 Lab File: BG032459.D
 Acq: 31 Jan 2018 2:01

Tgt Ion:165 Resp: 9558
 Ion Ratio Lower Upper
 165 100
 63 3.8 42.0 63.0#
 89 2.6 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): BG0
 Ion 89.00 (88.70 to 89.70): BG0
 Ion 182.00 (181.70 to 182.70): E

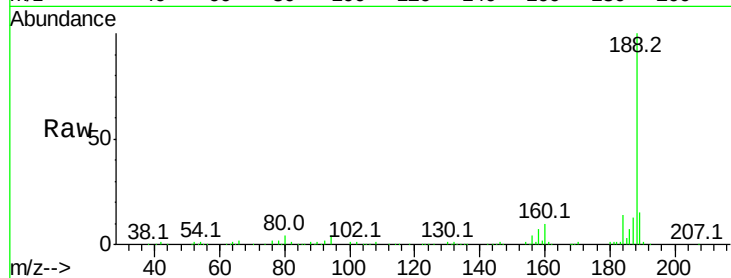




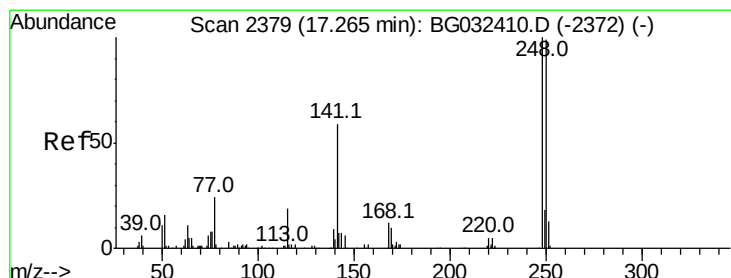
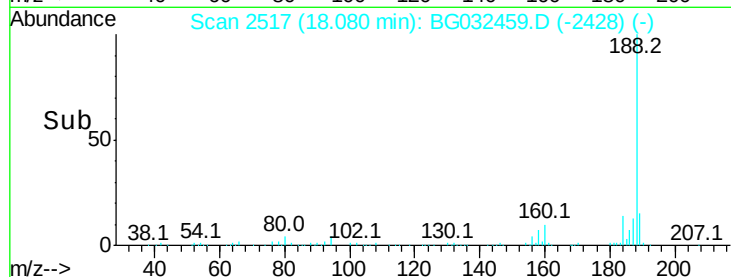
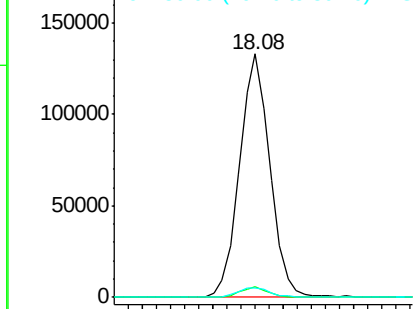
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.08 min Scan# 2517
 Delta R.T. -0.01 min
 Lab File: BG032459.D
 Acq: 31 Jan 2018 2:01

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 199366
 Ion Ratio Lower Upper
 188 100
 94 4.4 6.9 10.3#
 80 3.8 7.7 11.5#

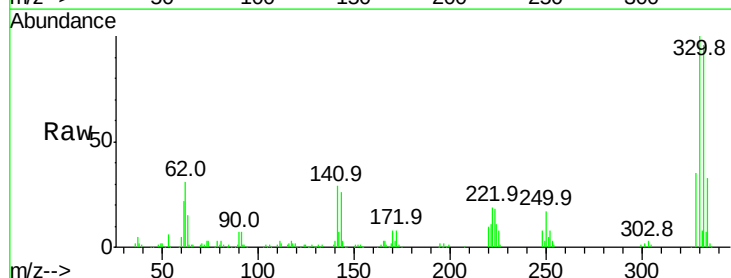


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

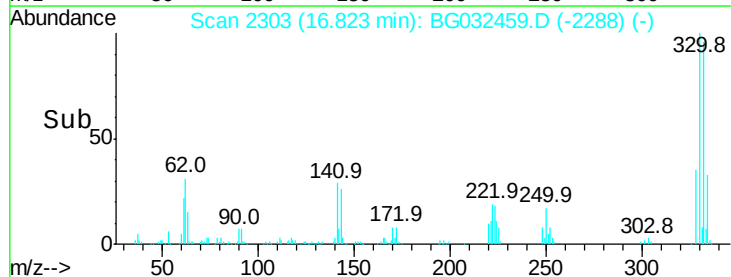
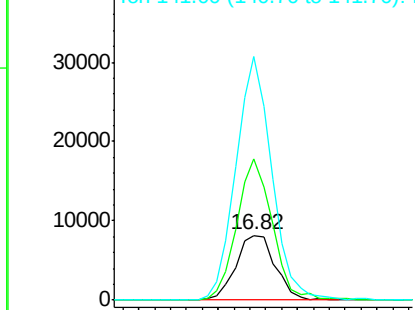


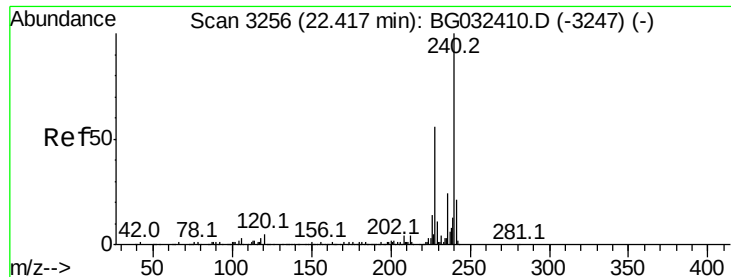
#66
 4-Bromophenyl-phenylether
 Concen: 4.759 ng
 RT: 16.82 min Scan# 2303
 Delta R.T. -0.44 min
 Lab File: BG032459.D
 Acq: 31 Jan 2018 2:01

Tgt Ion:248 Resp: 14055
 Ion Ratio Lower Upper
 248 100
 250 219.0 77.1 115.7#
 141 376.1 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

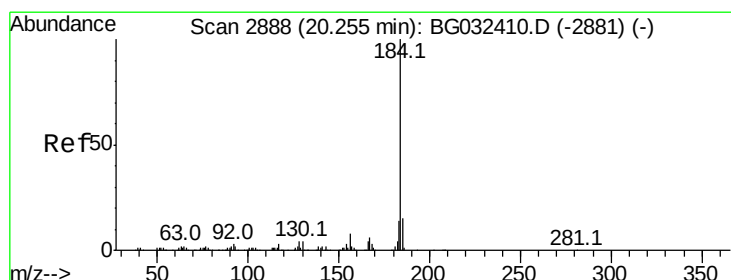
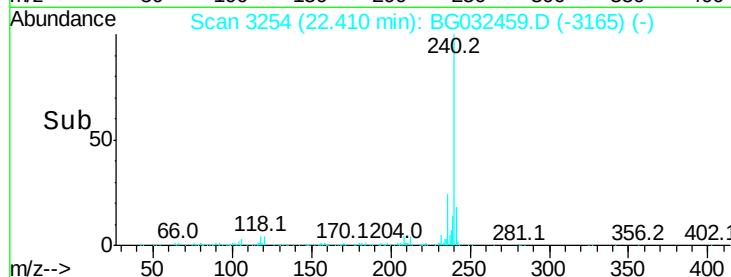
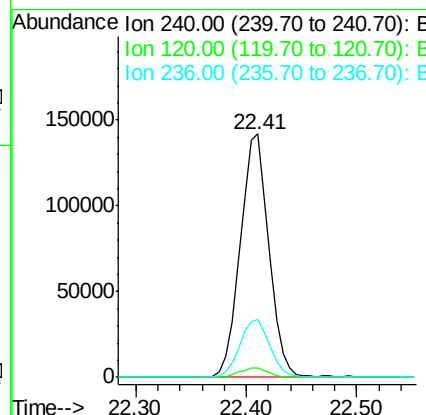
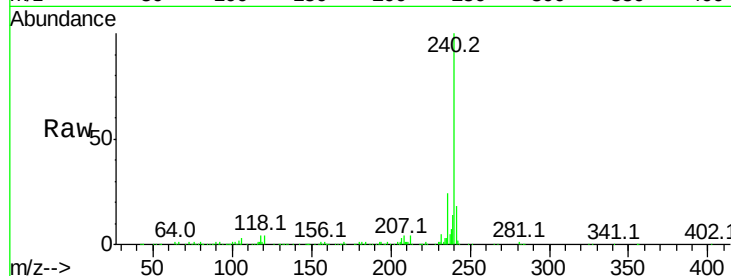




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.41 min Scan# 3254
 Delta R.T. -0.01 min
 Lab File: BG032459.D
 Acq: 31 Jan 2018 2:01

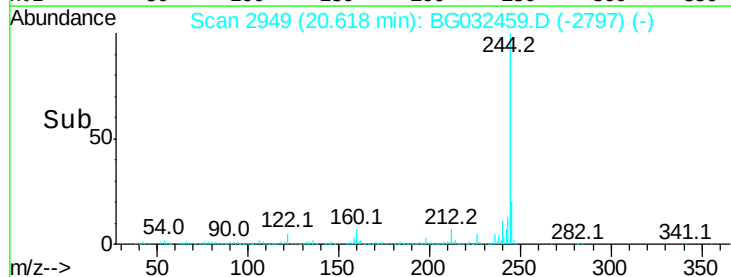
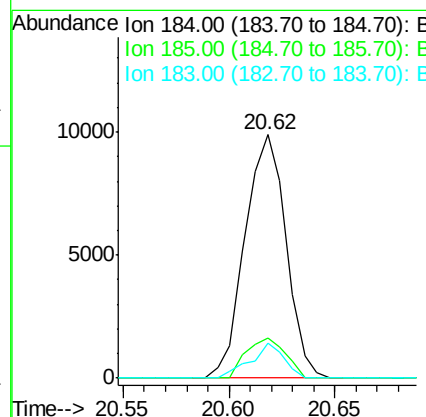
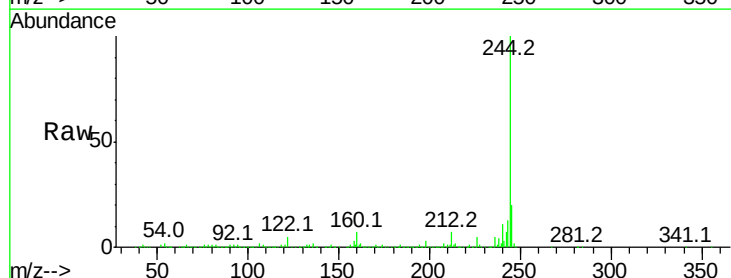
Instrument :
 BNA_G
 ClientSampleId :

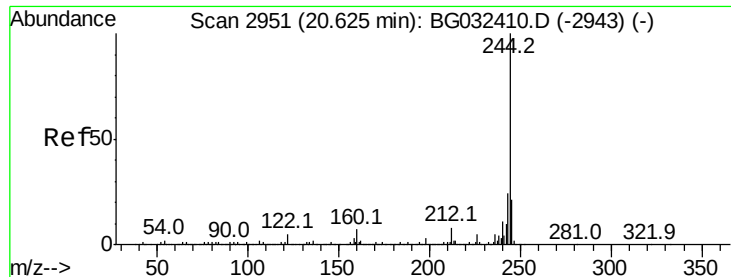
Tot Ion:240 Resp: 258217
 Ion Ratio Lower Upper
 240 100
 120 4.0 6.8 10.2#
 236 23.8 20.9 31.3



#76
 Benzidine
 Concen: 2.627 ng
 RT: 20.62 min Scan# 2949
 Delta R.T. 0.36 min
 Lab File: BG032459.D
 Acq: 31 Jan 2018 2:01

Tgt Ion:184 Resp: 13319
 Ion Ratio Lower Upper
 184 100
 185 16.7 11.1 16.7
 183 14.5 10.6 16.0





#78

Terphenyl-d14

Concen: 79.473 ng

RT: 20.62 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BG032459.D

Acq: 31 Jan 2018 2:01

Instrument :

BNA_G

ClientSampled :

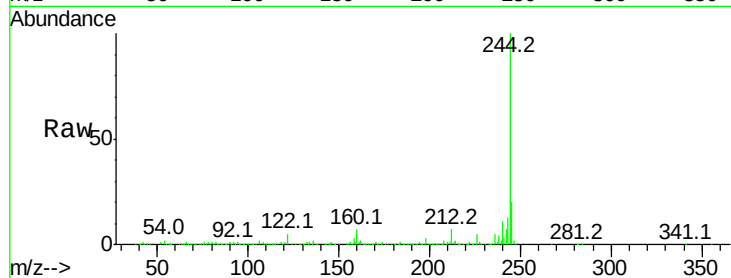
Tot Ion:244 Resp: 958002

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

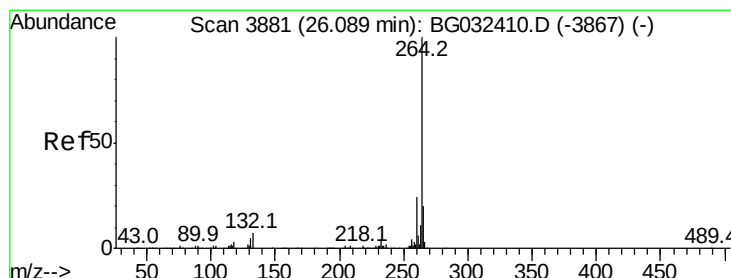
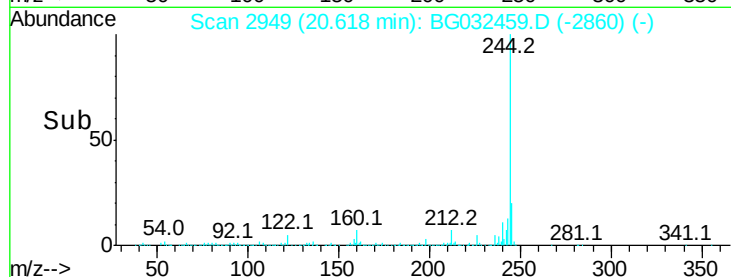
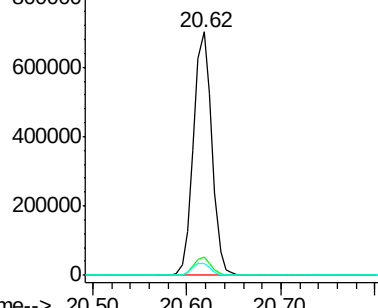
122 4.9 7.0 10.4#



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: 26.09 min Scan# 3880

Delta R.T. -0.00 min

Lab File: BG032459.D

Acq: 31 Jan 2018 2:01

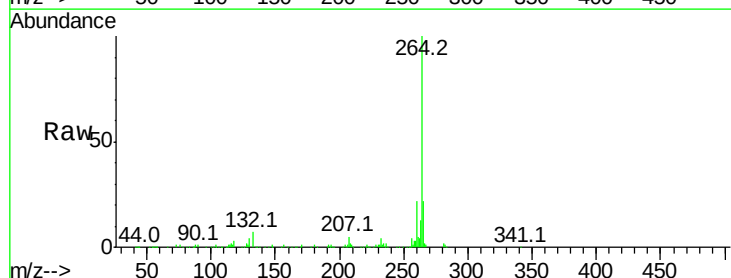
Tgt Ion:264 Resp: 275106

Ion Ratio Lower Upper

264 100

260 21.9 17.4 26.0

265 22.5 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

