

Data Path : U:\HPCHEM1\BNA G\DATA\BG020218\
 Data File : BG032513.D
 Acq On : 2 Feb 2018 15:45
 Operator : SJ/JU
 Sample : J1423-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 02 21:50:36 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

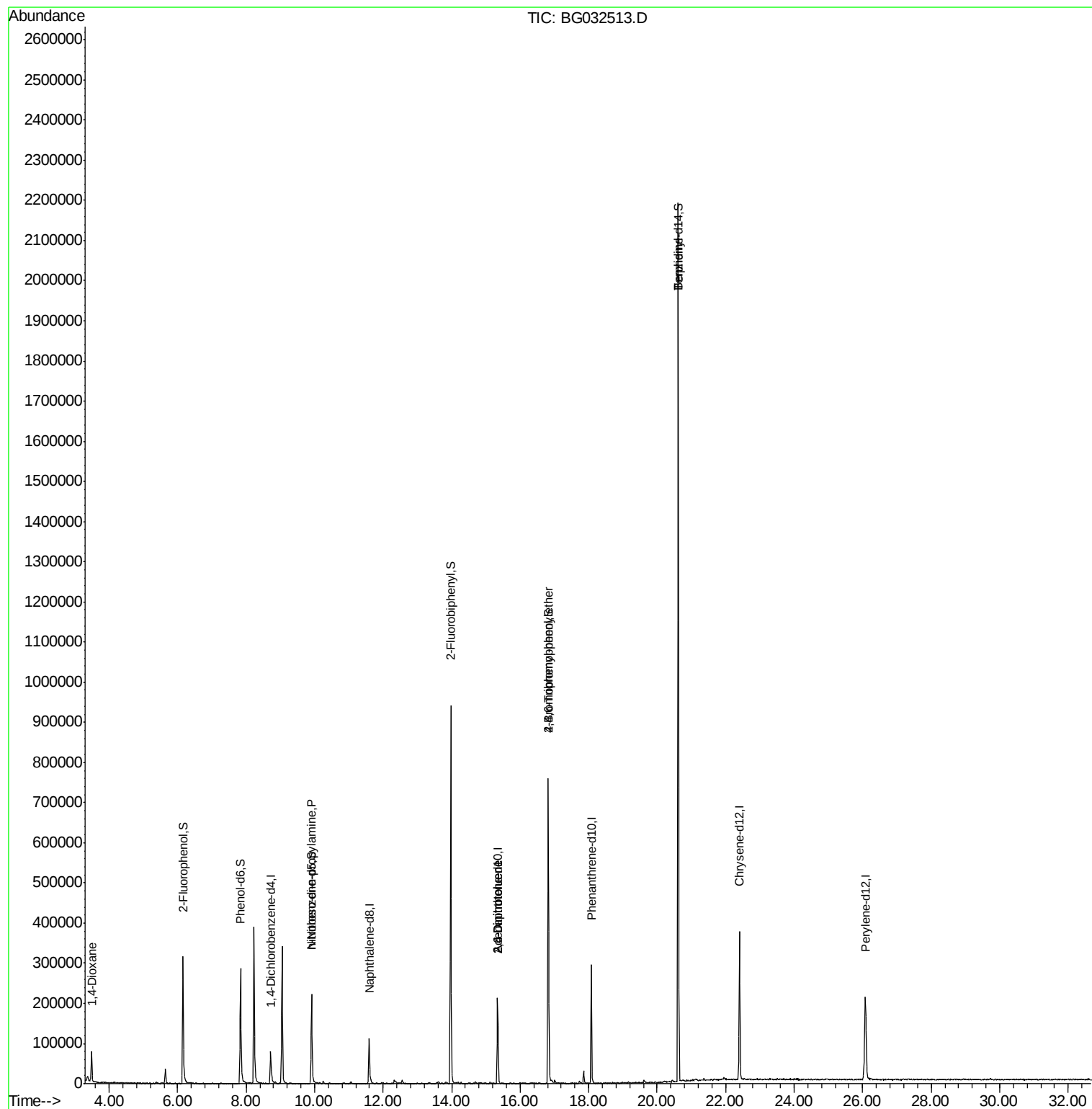
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.71	152	28780	20.00	ng	0.00
21) Naphthalene-d8	11.59	136	115780	20.00	ng	0.00
38) Acenaphthene-d10	15.34	164	83489	20.00	ng	-0.01
63) Phenanthrene-d10	18.08	188	216453	20.00	ng	0.00
75) Chrysene-d12	22.40	240	276983	20.00	ng	-0.01
86) Perylene-d12	26.08	264	296313	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.15	112	175987	122.82	ng	0.00
7) Phenol-d6	7.83	99	201545	105.41	ng	0.00
23) Nitrobenzene-d5	9.91	82	156850	84.62	ng	-0.01
41) 2,4,6-Tribromophenol	16.82	330	192386	121.06	ng	-0.01
44) 2-Fluorobiphenyl	13.97	172	586170	83.45	ng	-0.01
78) Terphenyl-d14	20.62	244	1171577	90.61	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.50	88	1057	2.193	ng	# 1
19) n-Nitroso-di-n-propylamine	9.91	70	23702	18.696	ng	# 80
50) 2,6-Dinitrotoluene	15.34	165	11186	6.923	ng	# 24
56) 2,4-Dinitrotoluene	15.34	165	11186	4.862	ng	# 22
66) 4-Bromophenyl-phenylether	16.82	248	15311	4.775	ng	# 1
76) Benzidine	20.62	184	17413	3.202	ng	# 89

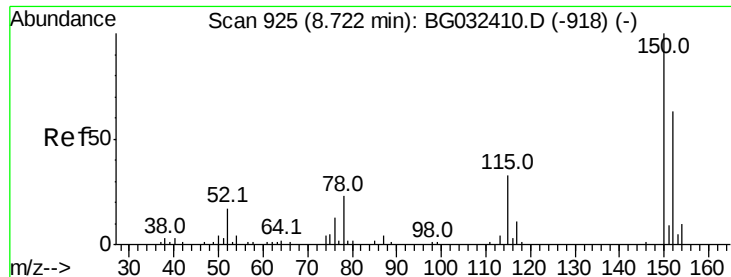
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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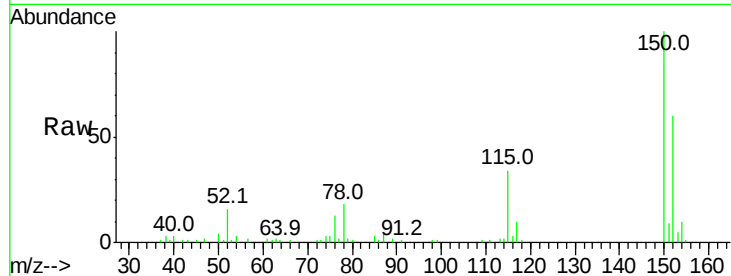


#1

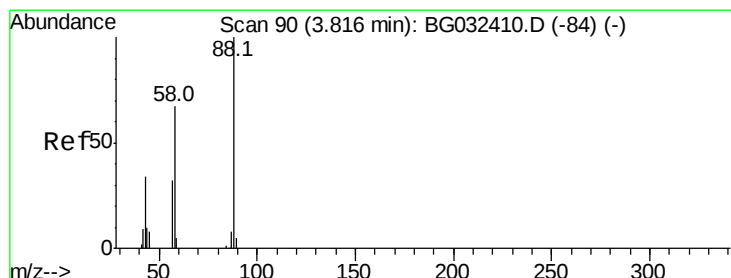
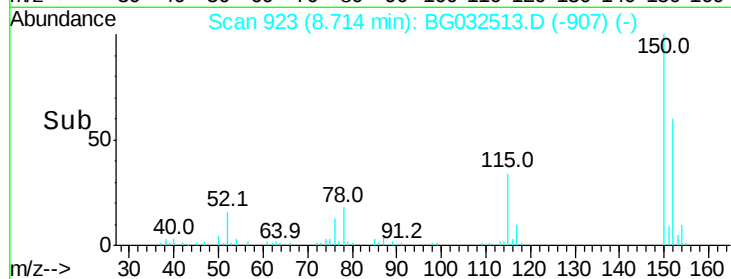
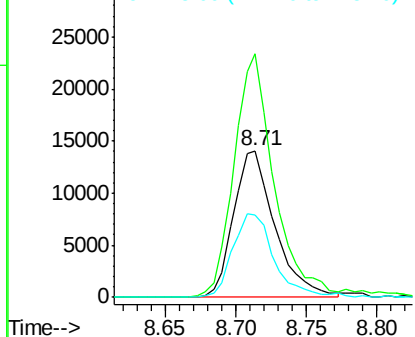
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.71 min Scan# 923
Delta R.T. -0.01 min
Lab File: BG032513.D
Acq: 2 Feb 2018 15:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 28780
Ion Ratio Lower Upper
152 100
150 166.1 126.6 189.8
115 56.1 53.0 79.4



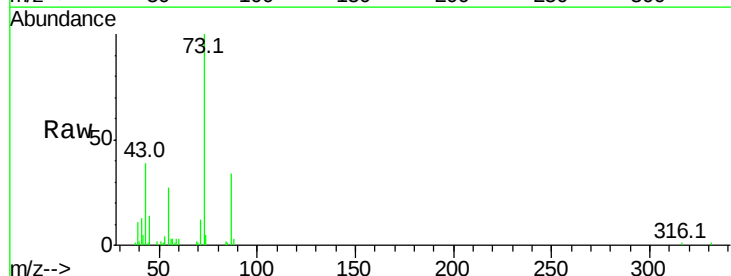
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



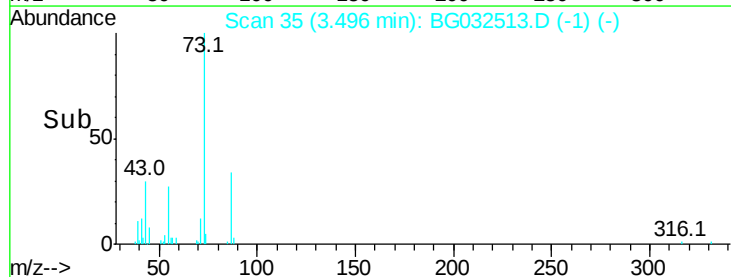
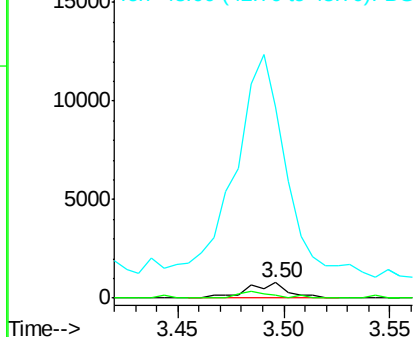
#2

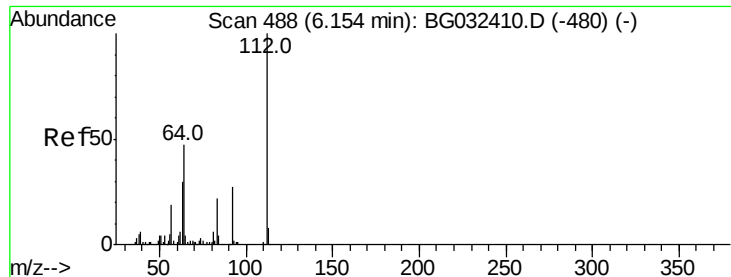
1,4-Dioxane
Concen: 2.193 ng
RT: 3.50 min Scan# 35
Delta R.T. -0.32 min
Lab File: BG032513.D
Acq: 2 Feb 2018 15:45

Tgt Ion: 88 Resp: 1057
Ion Ratio Lower Upper
88 100
58 38.8 79.6 119.4#
43 1774.5 27.4 41.0#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 122.821 ng

RT: 6.15 min Scan# 487

Delta R.T. -0.00 min

Lab File: BG032513.D

Acq: 2 Feb 2018 15:45

Instrument :

BNA_G

ClientSampled :

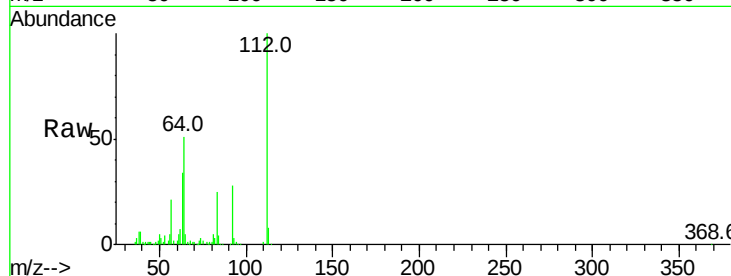
Tot Ion:112 Resp: 175987

Ion Ratio Lower Upper

112 100

64 50.8 56.3 84.5#

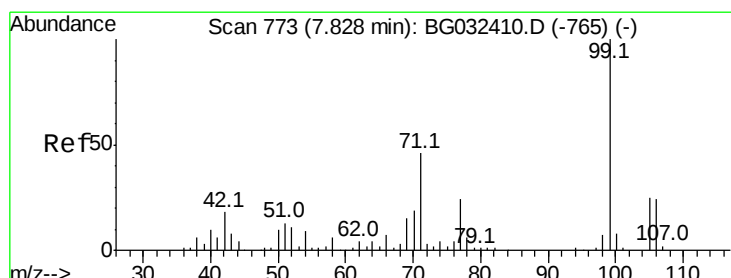
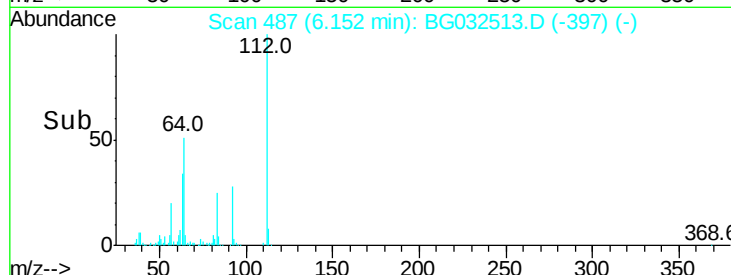
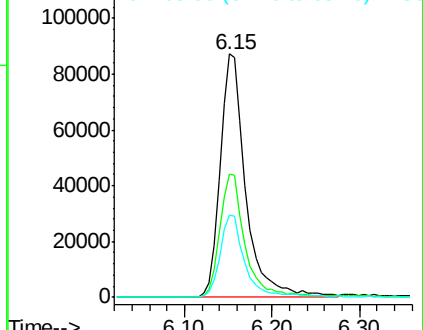
63 33.7 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 105.408 ng

RT: 7.83 min Scan# 773

Delta R.T. 0.00 min

Lab File: BG032513.D

Acq: 2 Feb 2018 15:45

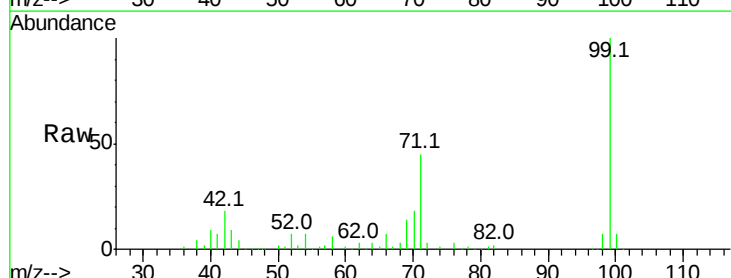
Tgt Ion: 99 Resp: 201545

Ion Ratio Lower Upper

99 100

42 18.1 14.1 21.1

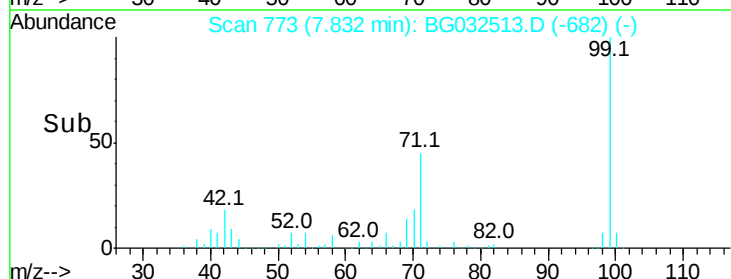
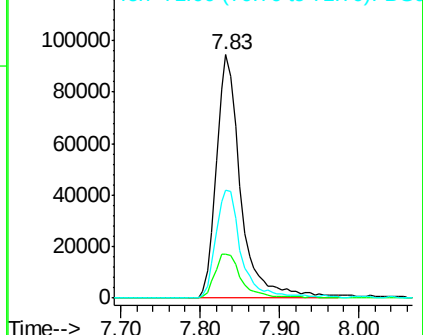
71 44.5 26.1 39.1#

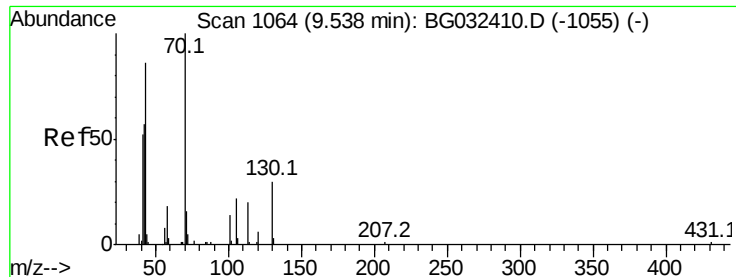


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

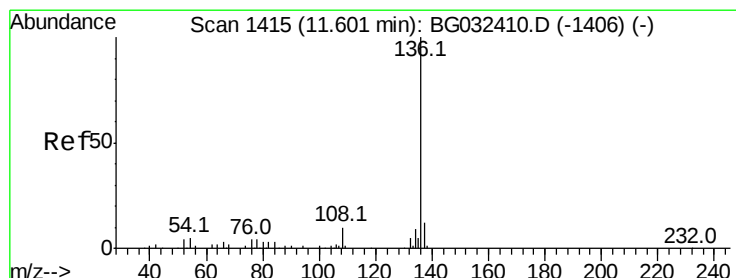
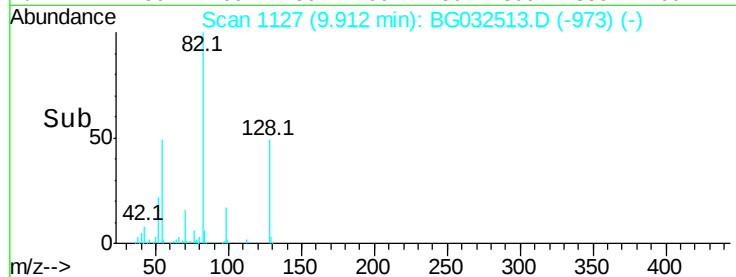
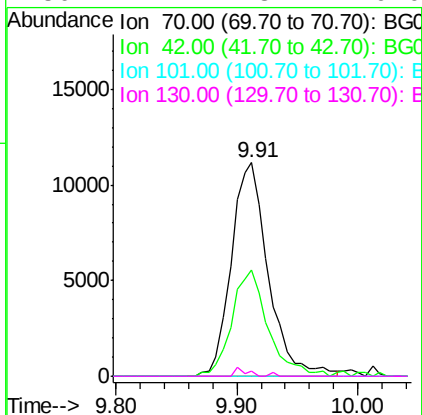
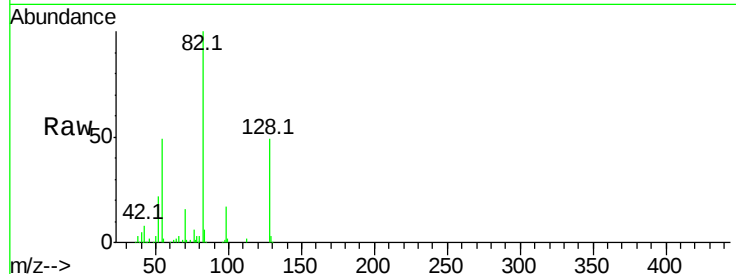




#19
 n-Nitroso-di-n-propylamine
 Concen: 18.696 ng
 RT: 9.91 min Scan# 1127
 Delta R.T. 0.37 min
 Lab File: BG032513.D
 Acq: 2 Feb 2018 15:45

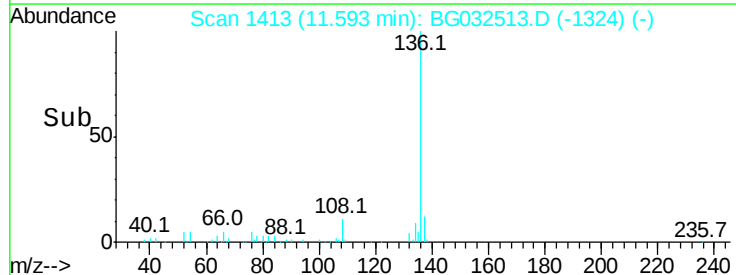
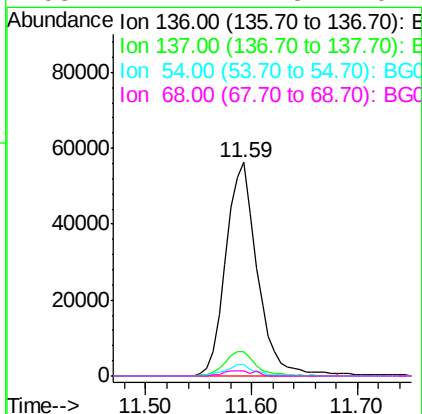
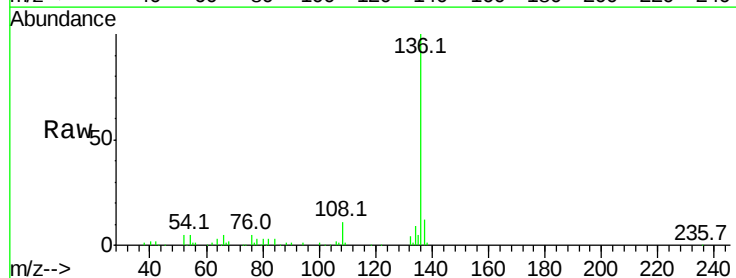
Instrument :
 BNA_G
 ClientSampleId :

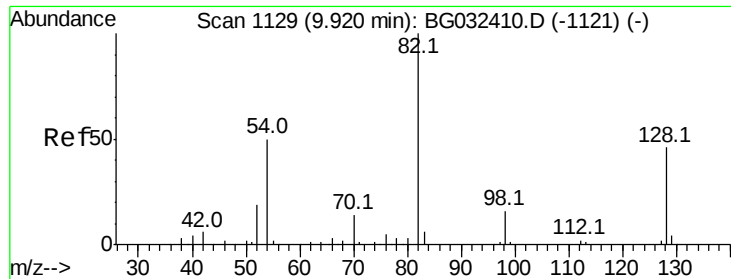
Tot Ion: 70 Resp: 23702
 Ion Ratio Lower Upper
 70 100
 42 50.0 49.1 73.7
 101 0.0 8.5 12.7#
 130 2.2 13.4 20.0#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 11.59 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: BG032513.D
 Acq: 2 Feb 2018 15:45

Tgt Ion: 136 Resp: 115780
 Ion Ratio Lower Upper
 136 100
 137 11.6 9.2 13.8
 54 5.5 10.3 15.5#
 68 2.2 4.5 6.7#

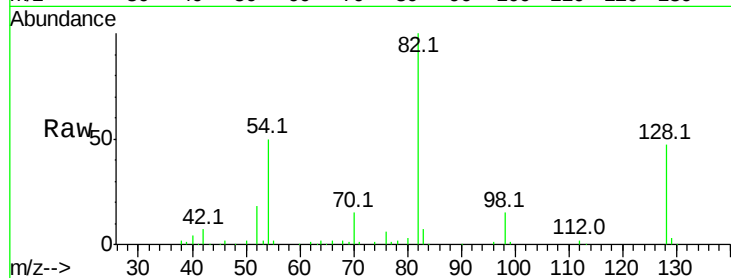




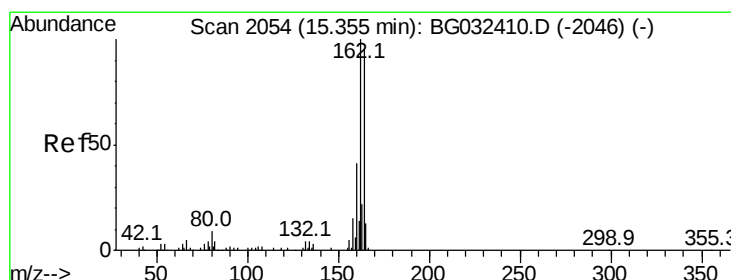
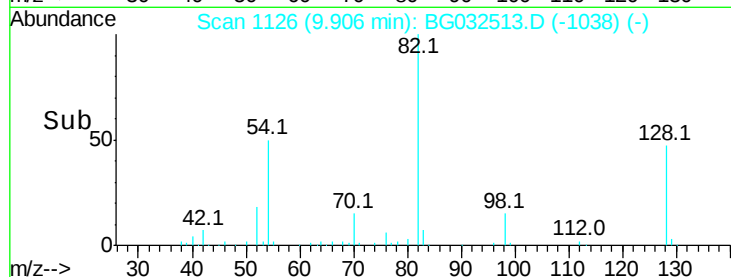
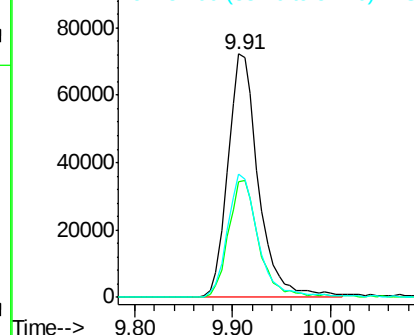
#23
Nitrobenzene-d5
Concen: 84.617 ng
RT: 9.91 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BG032513.D
Acq: 2 Feb 2018 15:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 156850
Ion Ratio Lower Upper
82 100
128 47.3 29.7 44.5#
54 50.4 43.1 64.7

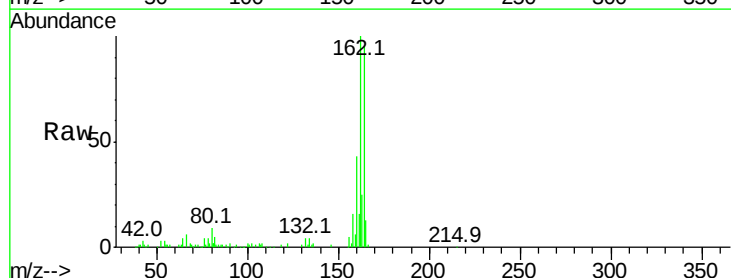


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

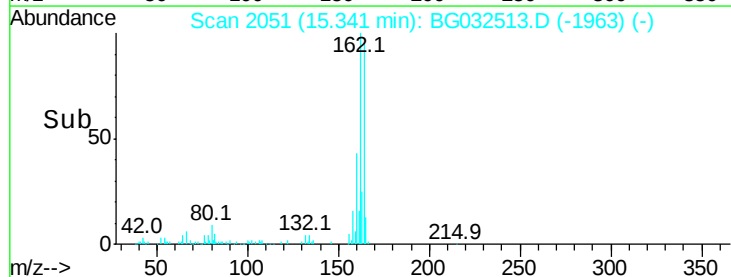
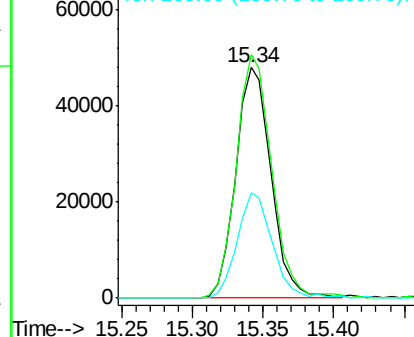


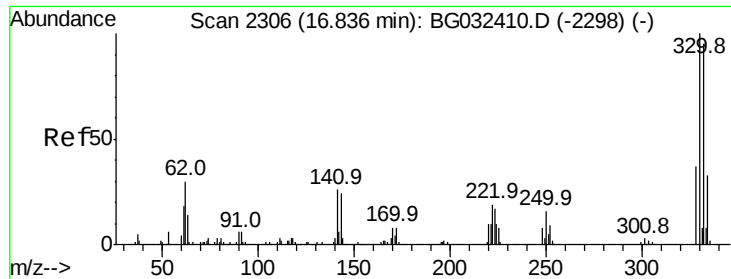
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.34 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BG032513.D
Acq: 2 Feb 2018 15:45

Tgt Ion:164 Resp: 83489
Ion Ratio Lower Upper
164 100
162 105.6 78.8 118.2
160 45.7 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC





#41

2,4,6-Tribromophenol

Concen: 121.057 ng

RT: 16.82 min Scan# 2303

Delta R.T. -0.01 min

Lab File: BG032513.D

Acq: 2 Feb 2018 15:45

Instrument :

BNA_G

ClientSampled :

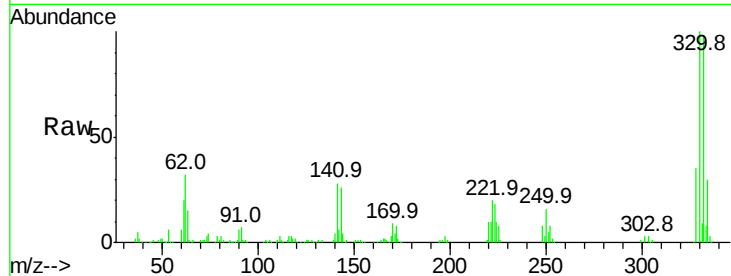
Tot Ion:330 Resp: 192386

Ion Ratio Lower Upper

330 100

332 97.3 77.0 115.6

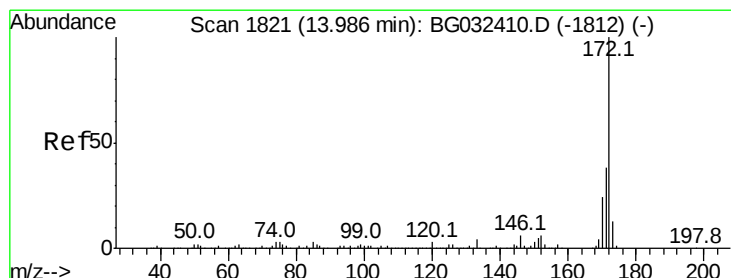
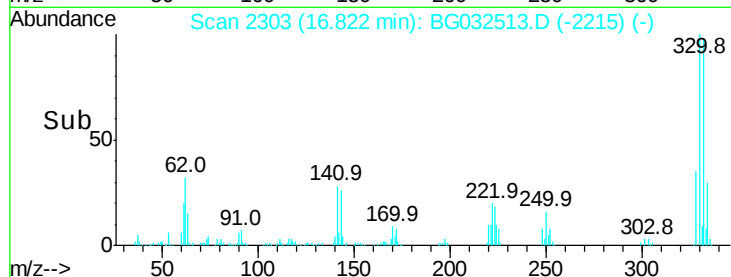
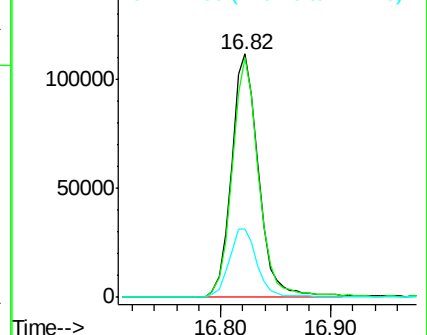
141 29.0 25.2 37.8



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: 83.448 ng

RT: 13.97 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BG032513.D

Acq: 2 Feb 2018 15:45

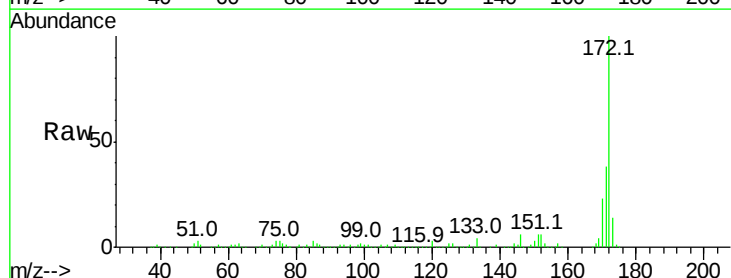
Tgt Ion:172 Resp: 586170

Ion Ratio Lower Upper

172 100

171 38.1 30.0 45.0

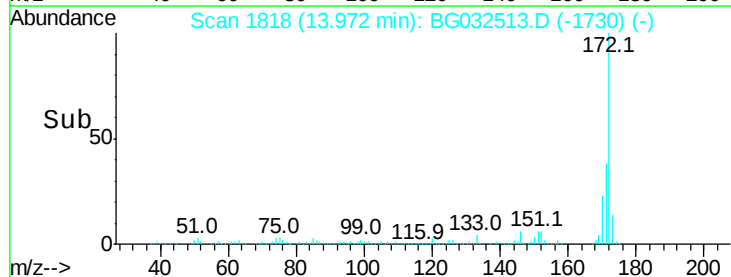
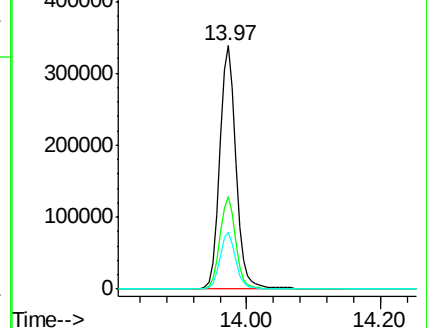
170 23.4 19.5 29.3

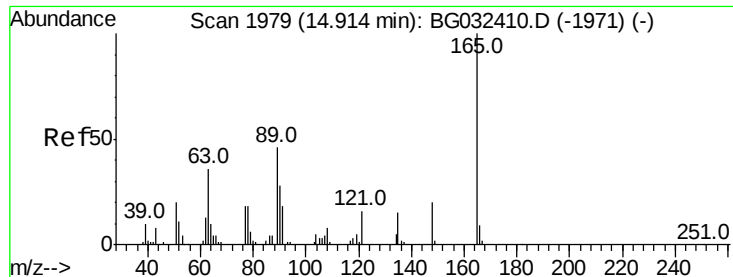


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

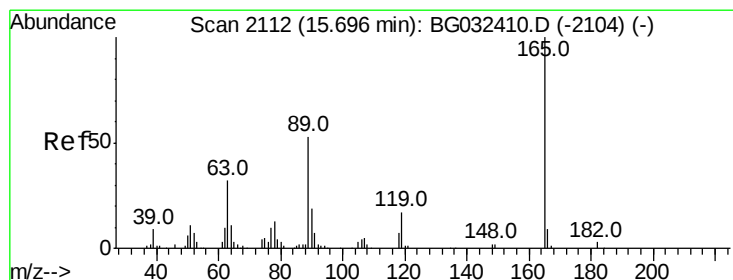
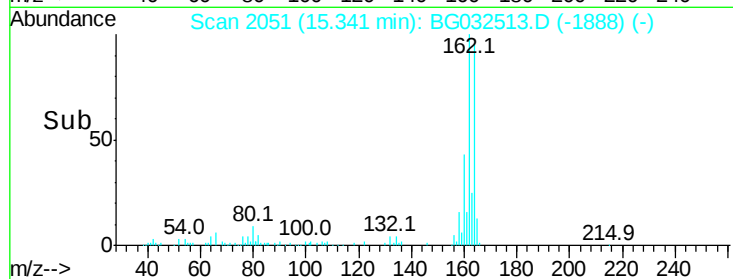
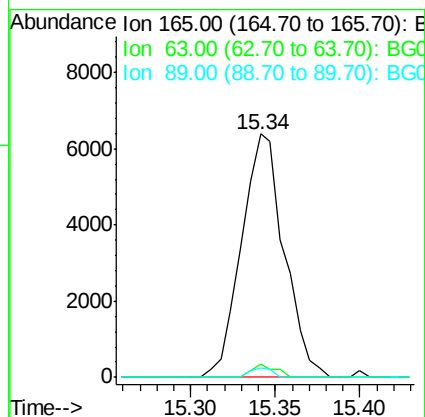
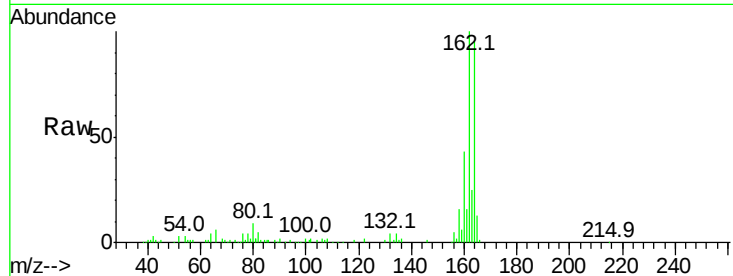




#50
 2,6-Dinitrotoluene
 Concen: 6.923 ng
 RT: 15.34 min Scan# 2051
 Delta R.T. 0.43 min
 Lab File: BG032513.D
 Acq: 2 Feb 2018 15:45

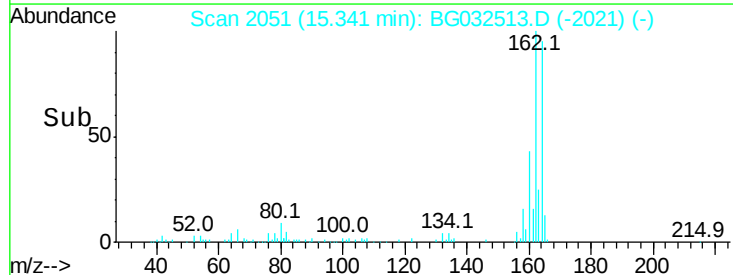
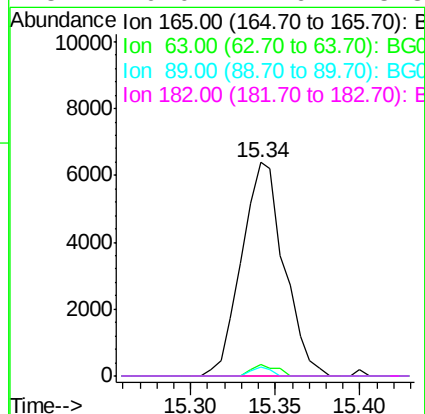
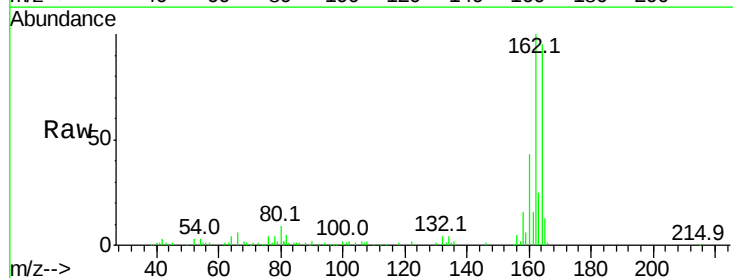
Instrument :
 BNA_G
 ClientSampleId :

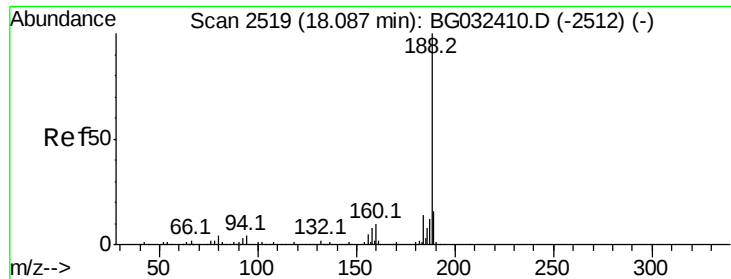
Tot Ion:165 Resp: 11186
 Ion Ratio Lower Upper
 165 100
 63 5.4 52.7 79.1#
 89 3.9 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 4.862 ng
 RT: 15.34 min Scan# 2051
 Delta R.T. -0.35 min
 Lab File: BG032513.D
 Acq: 2 Feb 2018 15:45

Tgt Ion:165 Resp: 11186
 Ion Ratio Lower Upper
 165 100
 63 5.4 42.0 63.0#
 89 3.9 66.9 100.3#
 182 0.0 2.6 3.8#

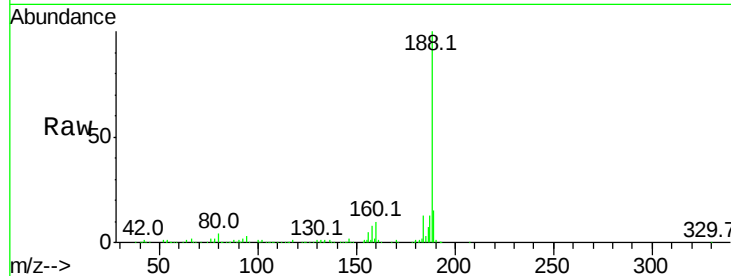




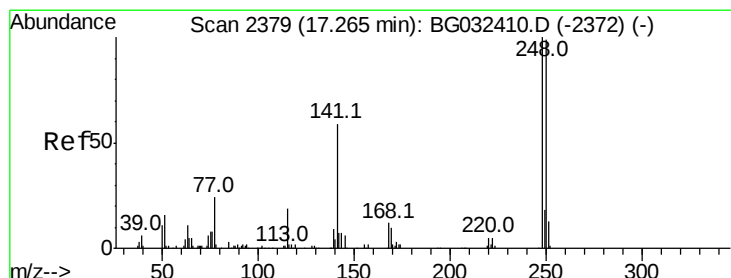
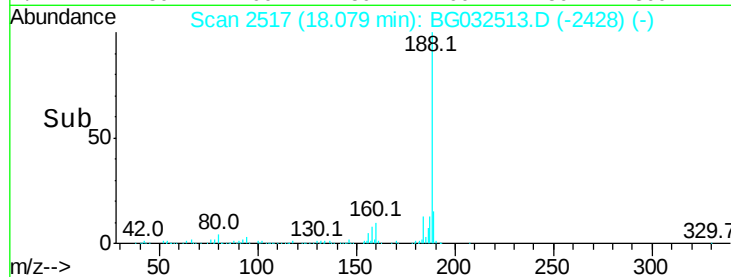
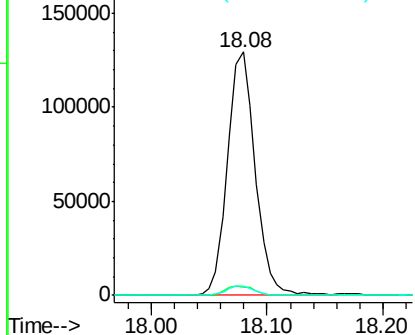
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.08 min Scan# 2517
 Delta R.T. -0.01 min
 Lab File: BG032513.D
 Acq: 2 Feb 2018 15:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	3.5	6.9	10.3#
80	4.0	7.7	11.5#

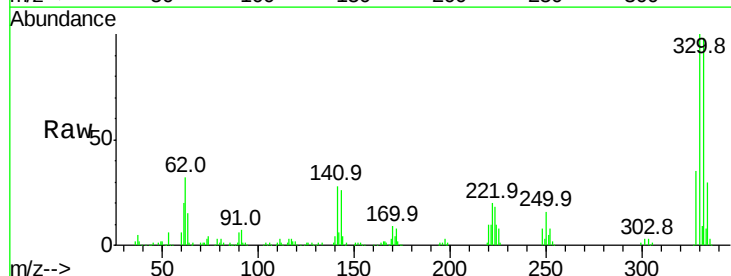


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGO
 Ion 80.00 (79.70 to 80.70): BGO

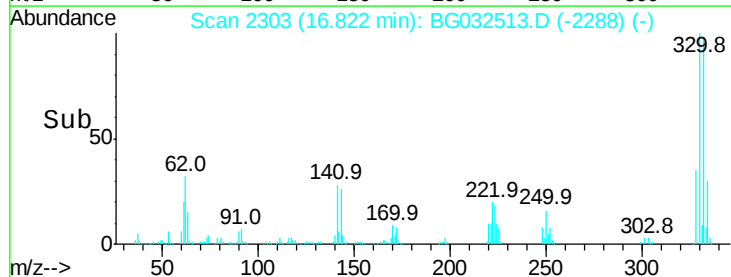
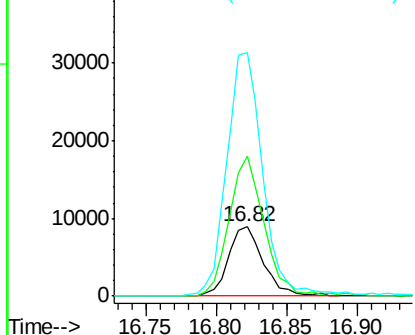


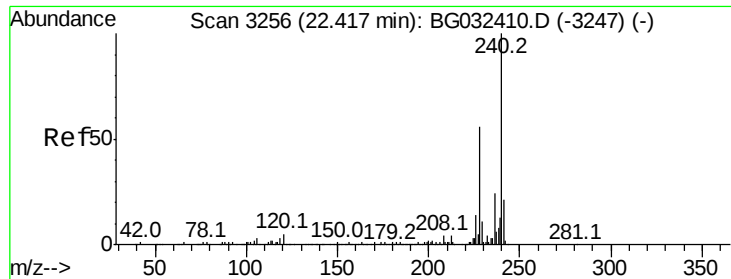
#66
 4-Bromophenyl-phenylether
 Concen: 4.775 ng
 RT: 16.82 min Scan# 2303
 Delta R.T. -0.44 min
 Lab File: BG032513.D
 Acq: 2 Feb 2018 15:45

Tgt Ion	Ratio	Lower	Upper
248	100		
250	202.3	77.1	115.7#
141	352.2	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. -0.01 min

Lab File: BG032513.D

Acq: 2 Feb 2018 15:45

Instrument :

BNA_G

ClientSampleId :

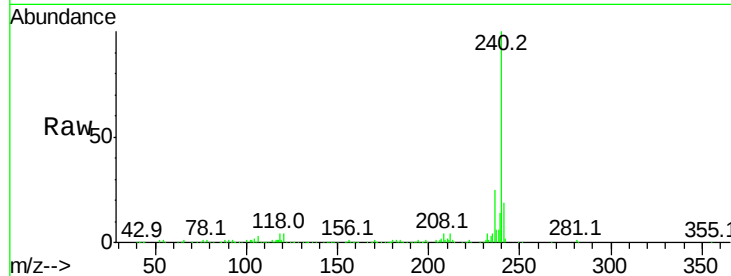
Tot Ion:240 Resp: 276983

Ion Ratio Lower Upper

240 100

120 3.6 6.8 10.2#

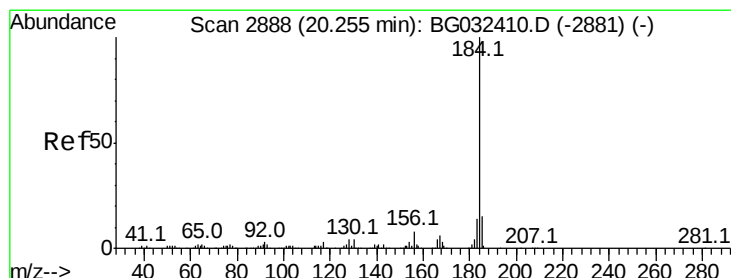
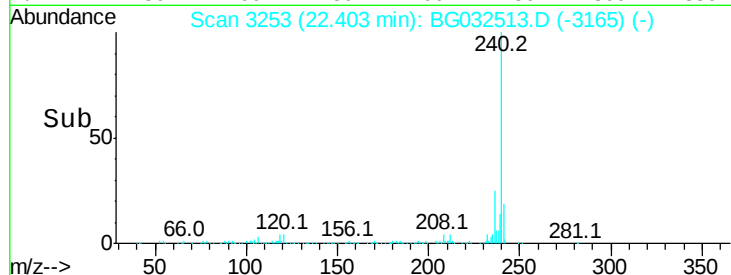
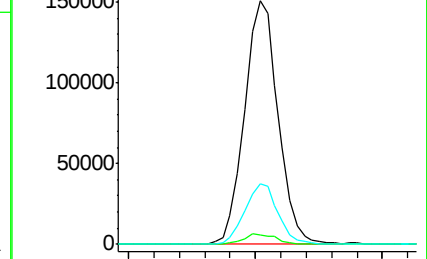
236 24.7 20.9 31.3



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: 3.202 ng

RT: 20.62 min Scan# 2949

Delta R.T. 0.36 min

Lab File: BG032513.D

Acq: 2 Feb 2018 15:45

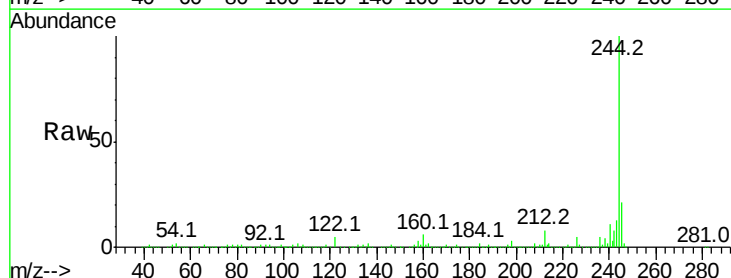
Tgt Ion:184 Resp: 17413

Ion Ratio Lower Upper

184 100

185 18.4 11.1 16.7#

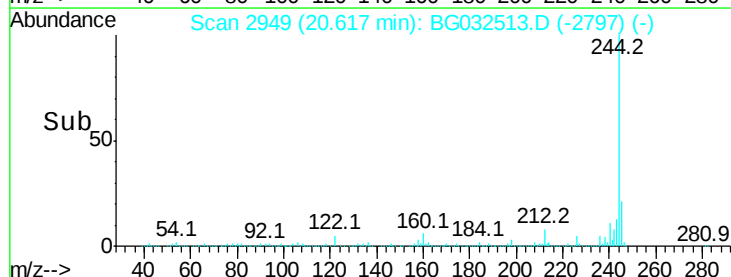
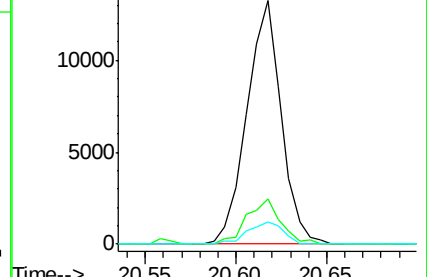
183 9.1 10.6 16.0#

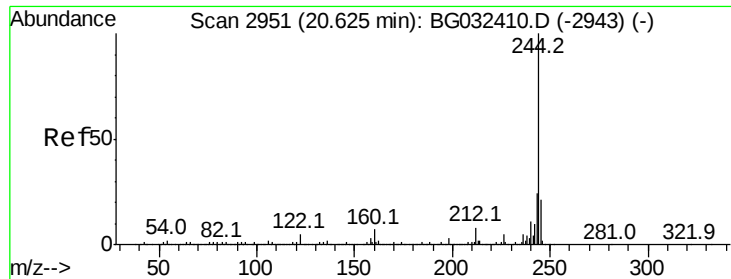


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 90.605 ng

RT: 20.62 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BG032513.D

Acq: 2 Feb 2018 15:45

Instrument :

BNA_G

ClientSampleId :

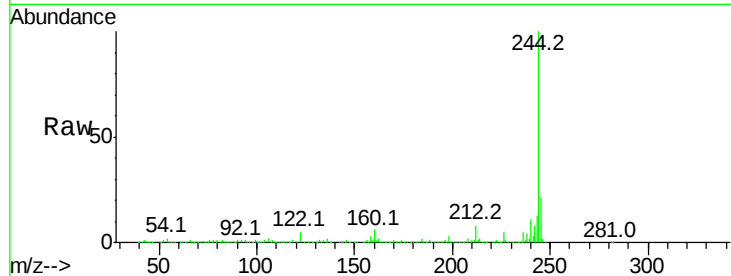
Tot Ion:244 Resp: 1171577

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

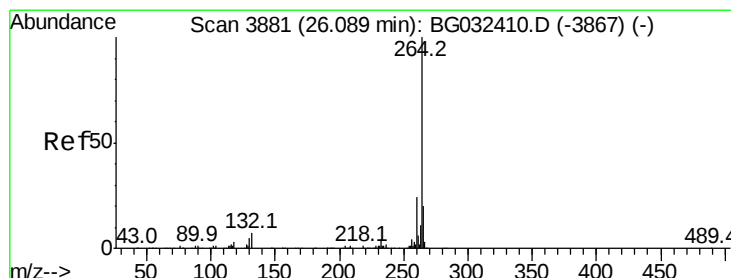
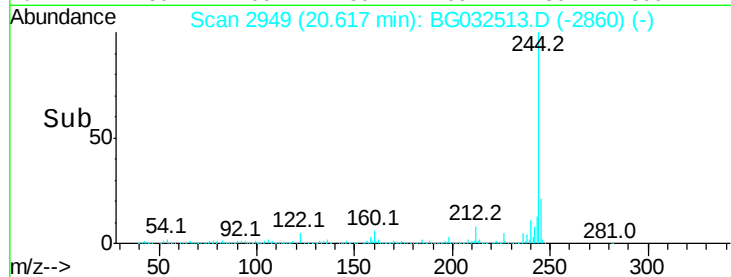
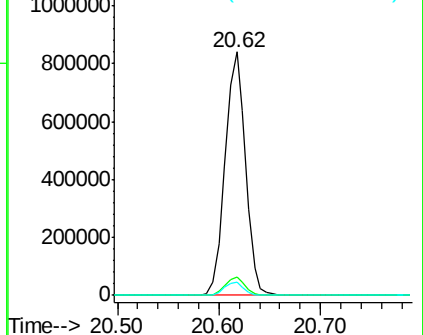
122 5.4 7.0 10.4#



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# 3878

Delta R.T. -0.01 min

Lab File: BG032513.D

Acq: 2 Feb 2018 15:45

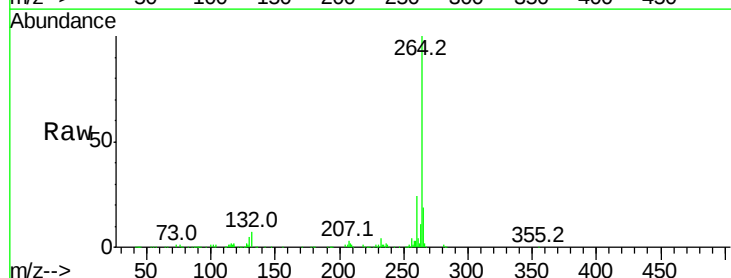
Tgt Ion:264 Resp: 296313

Ion Ratio Lower Upper

264 100

260 24.4 17.4 26.0

265 18.6 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

