

Data Path : U:\HPCHEM1\BNA G\DATA\BG013018\
 Data File : BG032453.D
 Acq On : 30 Jan 2018 22:15
 Operator : SJ/JU
 Sample : J1359-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 31 00:47:23 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	31340	20.00	ng	-0.01
21) Naphthalene-d8	11.59	136	109708	20.00	ng	-0.01
38) Acenaphthene-d10	15.34	164	76175	20.00	ng	-0.01
63) Phenanthrene-d10	18.08	188	201294	20.00	ng	0.00
75) Chrysene-d12	22.40	240	270549	20.00	ng	-0.01
86) Perylene-d12	26.08	264	295933	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	197160	126.36	ng	0.00
7) Phenol-d6	7.84	99	223594	107.39	ng	0.00
23) Nitrobenzene-d5	9.91	82	168024	95.66	ng	-0.01
41) 2,4,6-Tribromophenol	16.82	330	221527	152.78	ng	-0.01
44) 2-Fluorobiphenyl	13.97	172	593812	92.65	ng	-0.01
78) Terphenyl-d14	20.62	244	1283399	101.61	ng	0.00

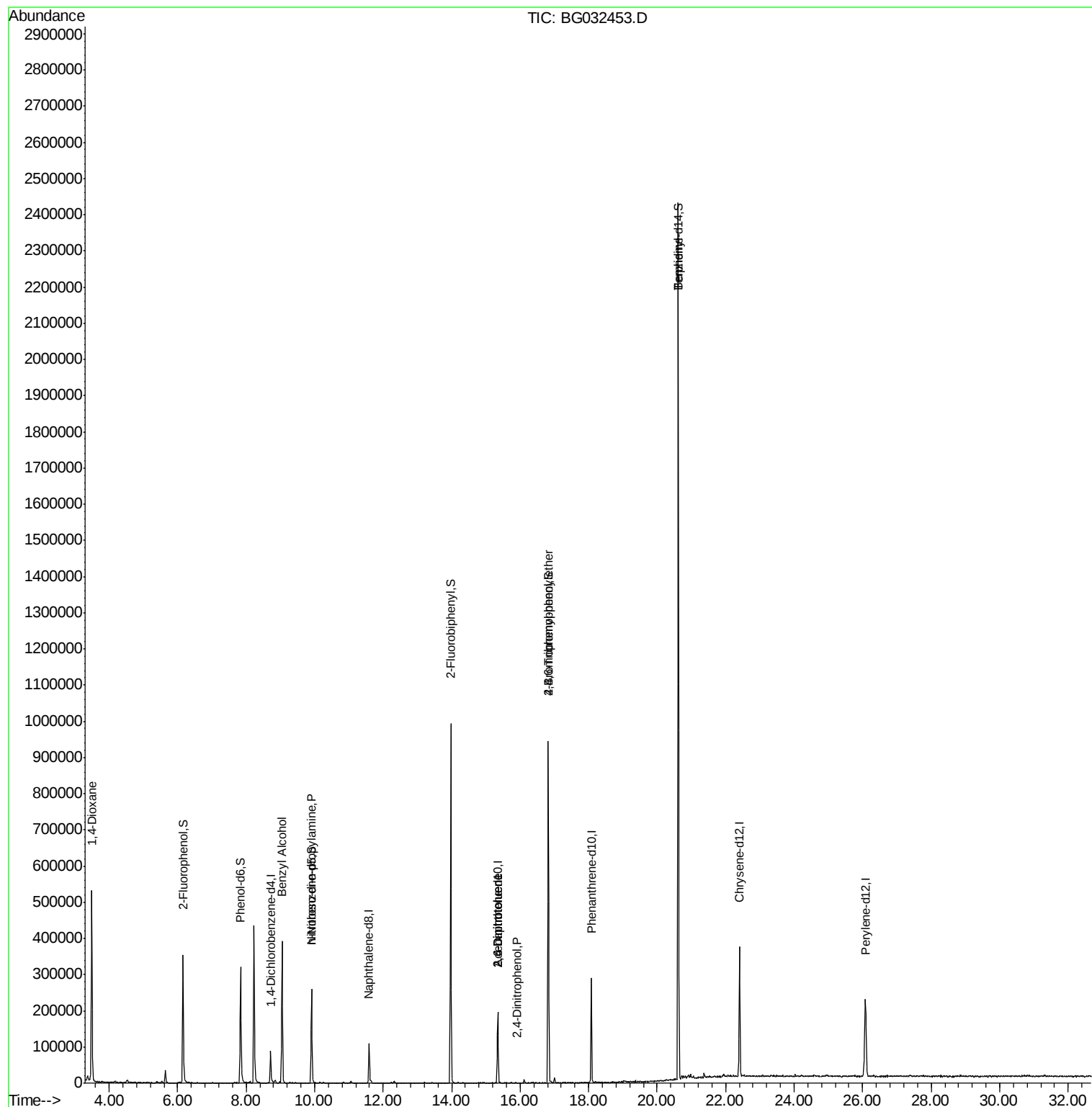
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.49	88	5658	10.778	ng	# 1
15) Benzyl Alcohol	9.04	79	3587	2.090	ng	# 42
19) n-Nitroso-di-n-propylamine	9.91	70	24654	17.858	ng	# 80
50) 2,6-Dinitrotoluene	15.34	165	10186	6.910	ng	# 18
53) 2,4-Dinitrophenol	15.91	184	65	4.171	ng	# 1
56) 2,4-Dinitrotoluene	15.34	165	10186	4.853	ng	# 16
66) 4-Bromophenyl-phenylether	16.82	248	17678	5.928	ng	# 1
76) Benzidine	20.62	184	18870	3.552	ng	# 92

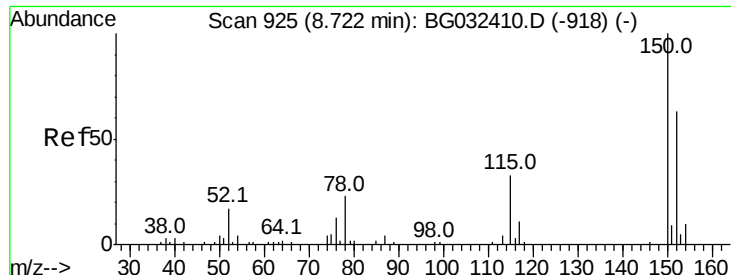
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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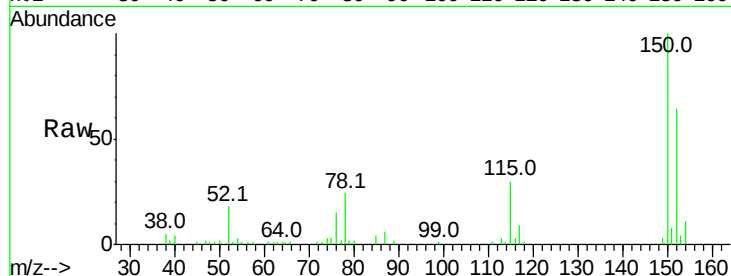


#1

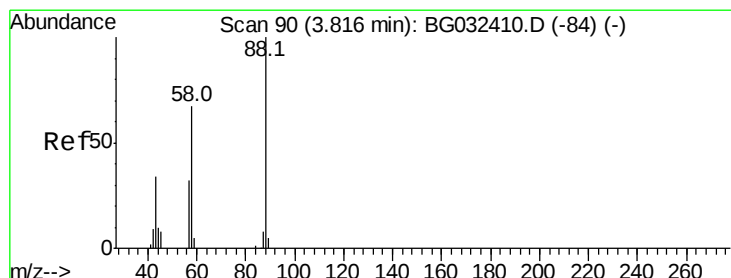
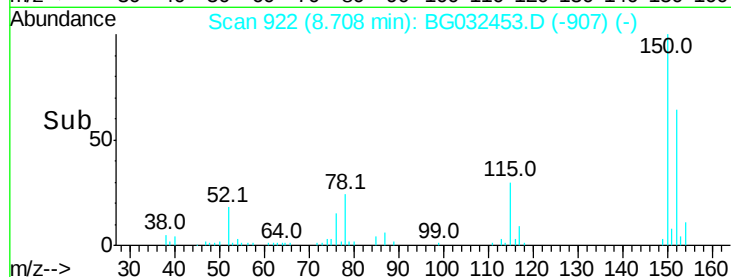
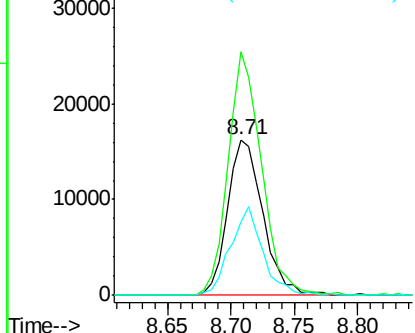
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.71 min Scan# 922
Delta R.T. -0.01 min
Lab File: BG032453.D
Acq: 30 Jan 2018 22:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 31340
Ion Ratio Lower Upper
152 100
150 156.2 126.6 189.8
115 46.9 53.0 79.4#



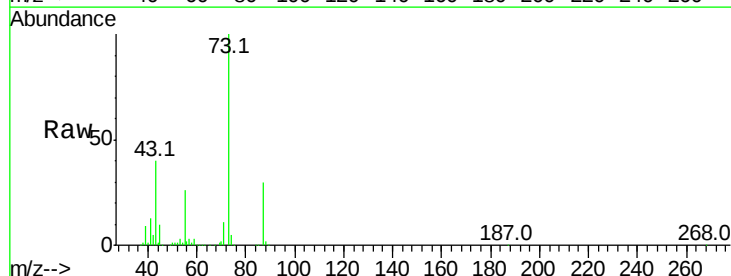
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



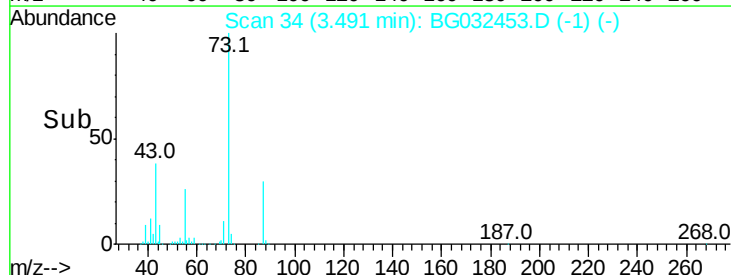
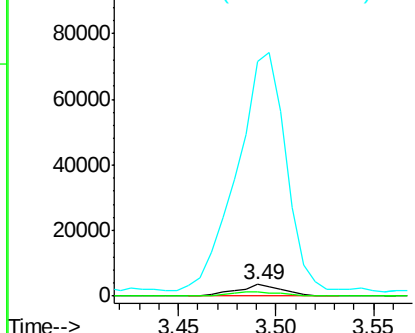
#2

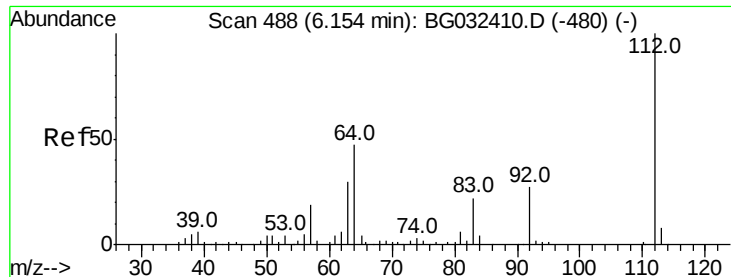
1,4-Dioxane
Concen: 10.778 ng
RT: 3.49 min Scan# 34
Delta R.T. -0.33 min
Lab File: BG032453.D
Acq: 30 Jan 2018 22:15

Tgt Ion: 88 Resp: 5658
Ion Ratio Lower Upper
88 100
58 45.4 79.6 119.4#
43 2228.8 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: 126.358 ng

RT: 6.16 min Scan# 488

Delta R.T. 0.00 min

Lab File: BG032453.D

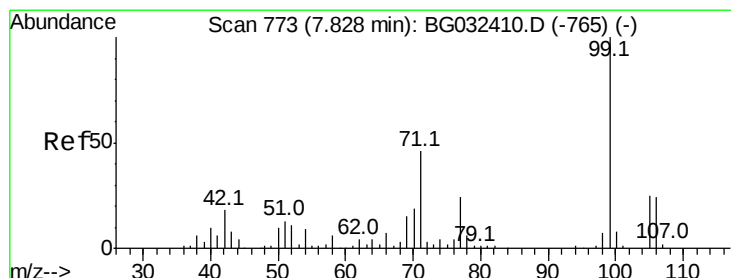
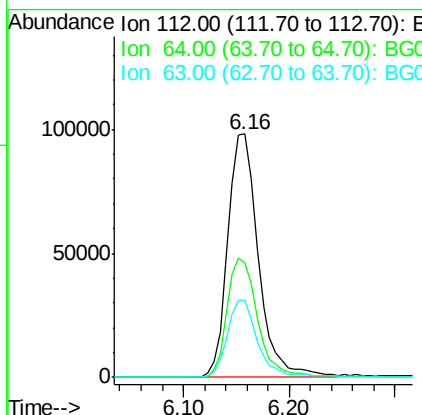
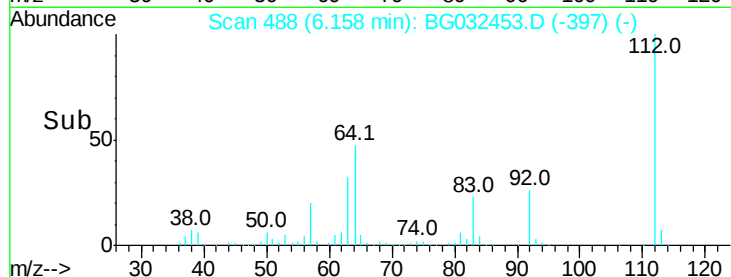
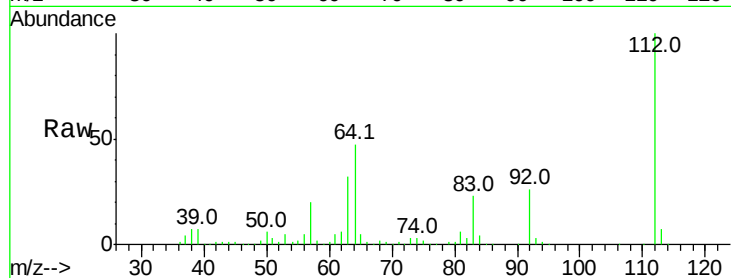
Acq: 30 Jan 2018 22:15

Instrument :

BNA_G

ClientSampled :

Tot Ion:	112	Resp:	197160
Ion	Ratio	Lower	Upper
112	100		
64	46.8	56.3	84.5#
63	31.9	30.1	45.1



#7

Phenol-d6

Concen: 107.388 ng

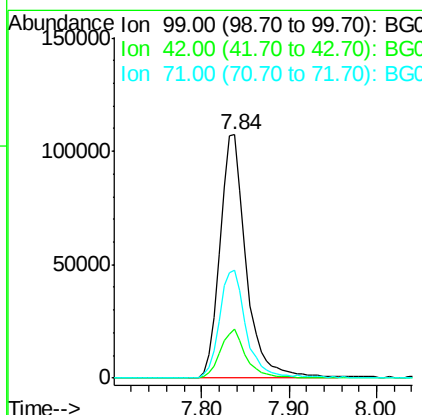
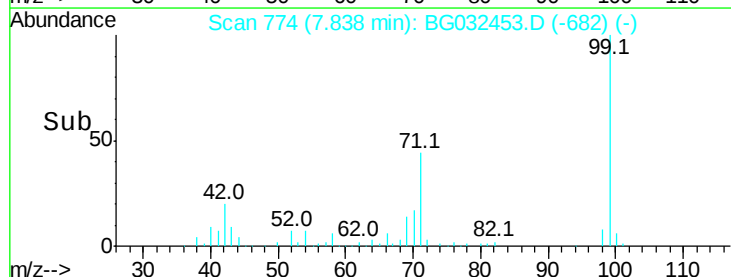
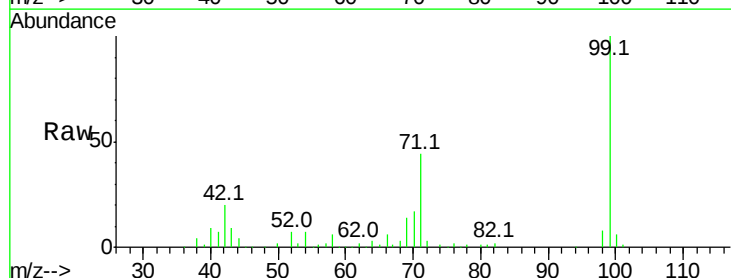
RT: 7.84 min Scan# 774

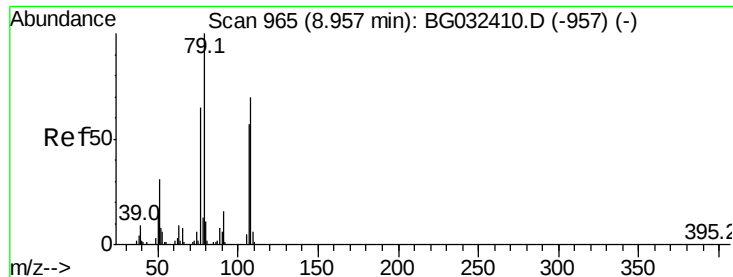
Delta R.T. 0.01 min

Lab File: BG032453.D

Acq: 30 Jan 2018 22:15

Tgt Ion:	99	Resp:	223594
Ion	Ratio	Lower	Upper
99	100		
42	20.0	14.1	21.1
71	44.1	26.1	39.1#





#15

Benzyl Alcohol

Concen: 2.090 ng

RT: 9.04 min Scan# 979

Delta R.T. 0.09 min

Lab File: BG032453.D

Acq: 30 Jan 2018 22:15

Instrument :

BNA_G

ClientSampleId :

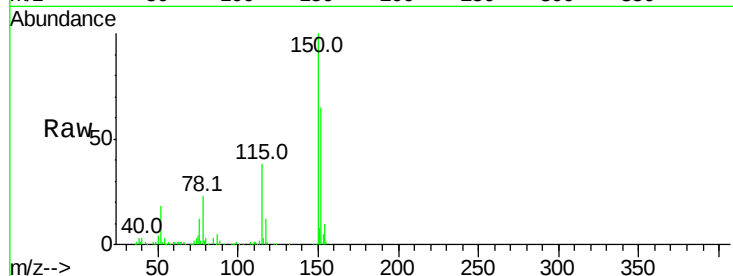
Tot Ion: 79 Resp: 3587

Ion Ratio Lower Upper

79 100

108 39.4 57.2 85.8#

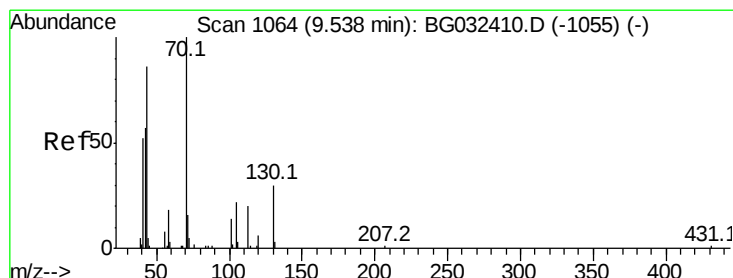
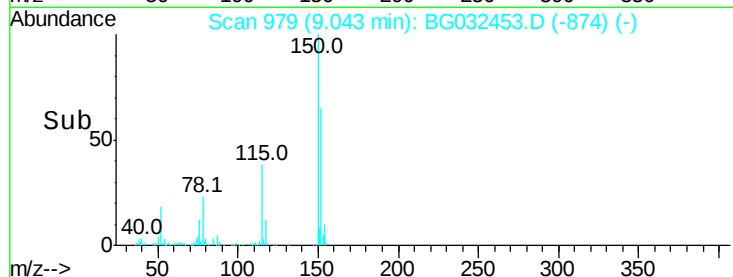
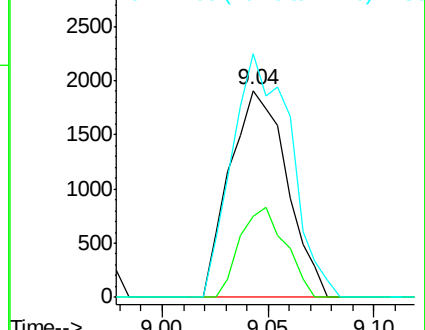
77 117.8 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 17.858 ng

RT: 9.91 min Scan# 1127

Delta R.T. 0.37 min

Lab File: BG032453.D

Acq: 30 Jan 2018 22:15

Tgt Ion: 70 Resp: 24654

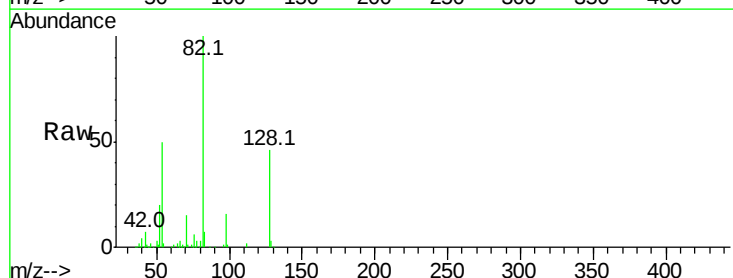
Ion Ratio Lower Upper

70 100

42 50.2 49.1 73.7

101 0.0 8.5 12.7#

130 1.8 13.4 20.0#

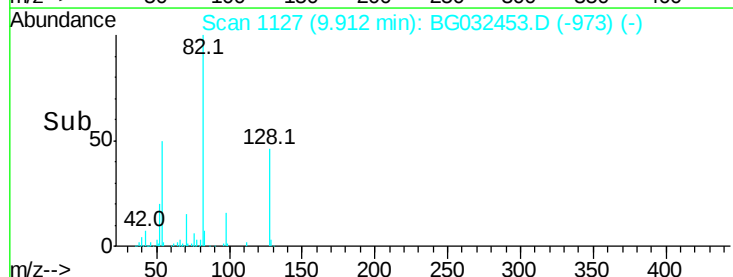
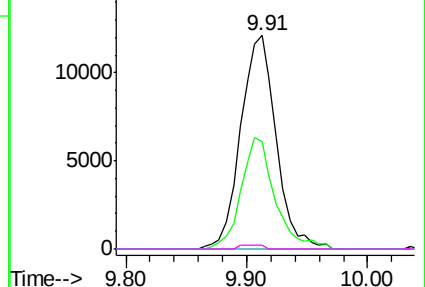


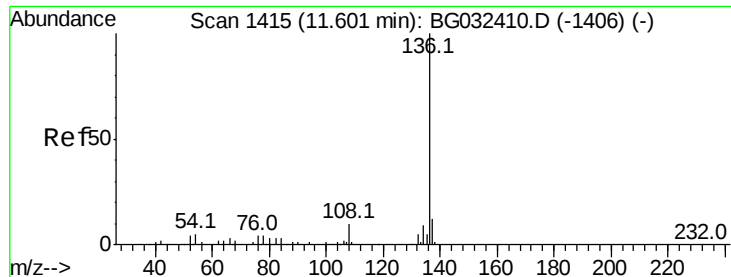
Abundance Ion 70.00 (69.70 to 70.70): BGC

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# 1412

Delta R.T. -0.01 min

Lab File: BG032453.D

Acq: 30 Jan 2018 22:15

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 109708

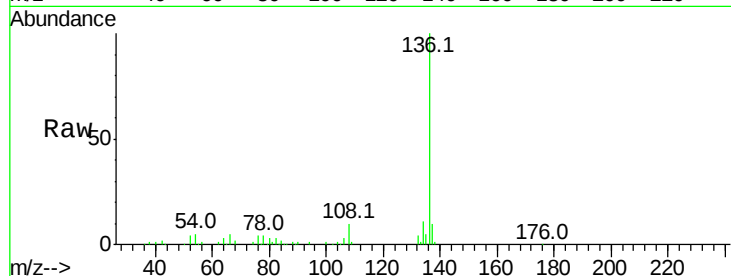
Ion Ratio Lower Upper

136 100

137 9.8 9.2 13.8

54 4.7 10.3 15.5#

68 2.0 4.5 6.7#

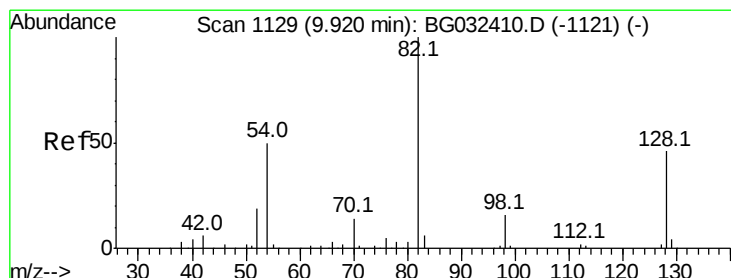
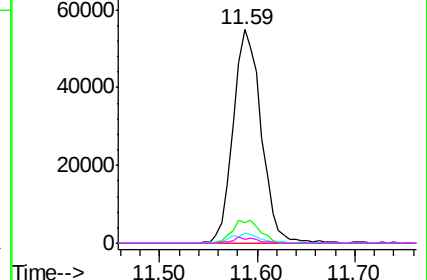
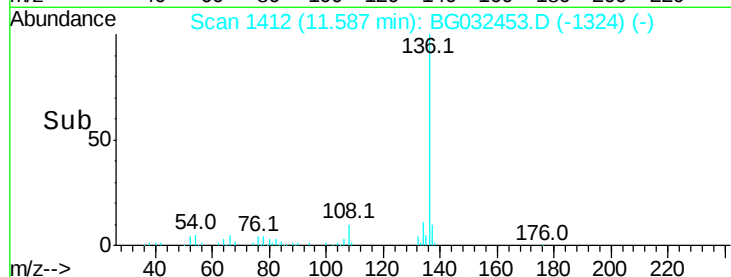


Abundance Ion 136.00 (135.70 to 136.70): E

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: 95.662 ng

RT: 9.91 min Scan# 1126

Delta R.T. -0.01 min

Lab File: BG032453.D

Acq: 30 Jan 2018 22:15

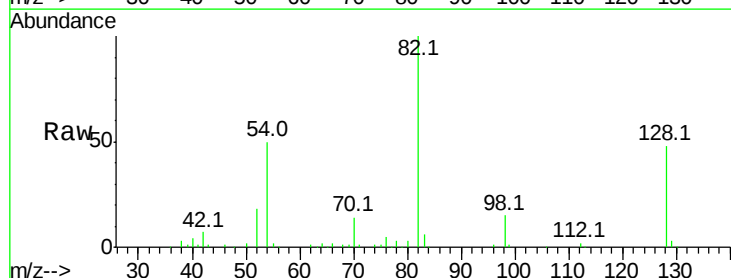
Tgt Ion: 82 Resp: 168024

Ion Ratio Lower Upper

82 100

128 48.4 29.7 44.5#

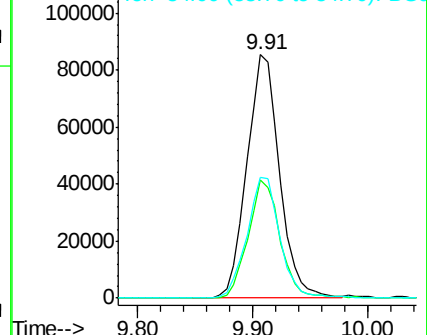
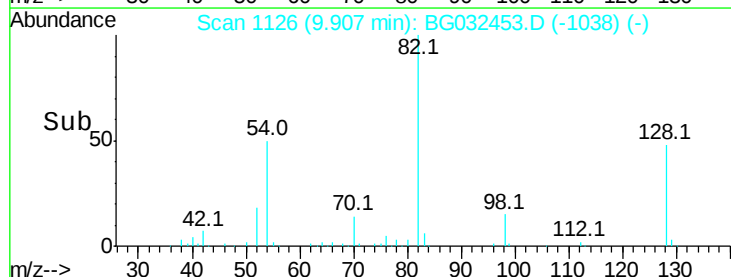
54 49.6 43.1 64.7

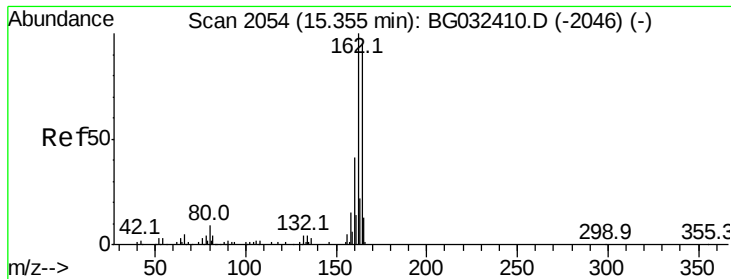


Abundance Ion 82.00 (81.70 to 82.70): BGC

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. -0.01 min

Lab File: BG032453.D

Acq: 30 Jan 2018 22:15

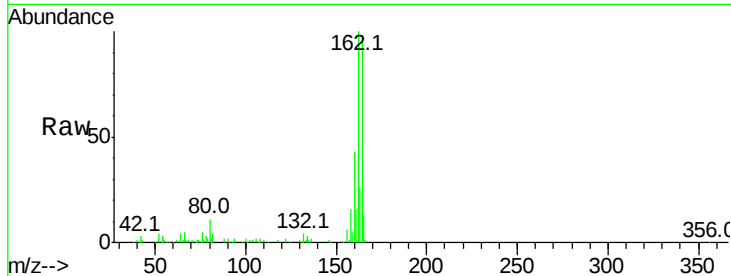
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 76175

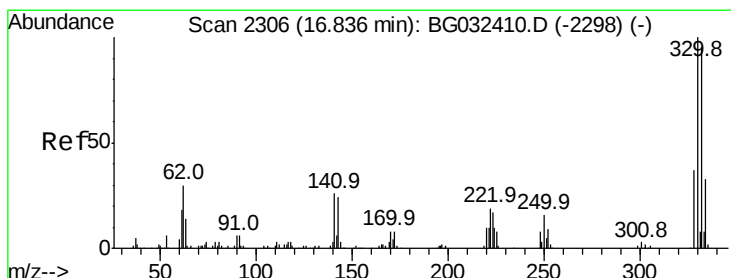
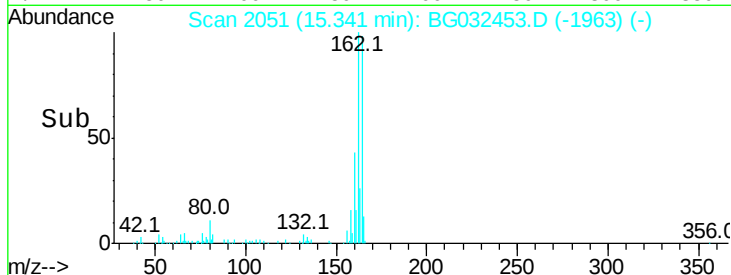
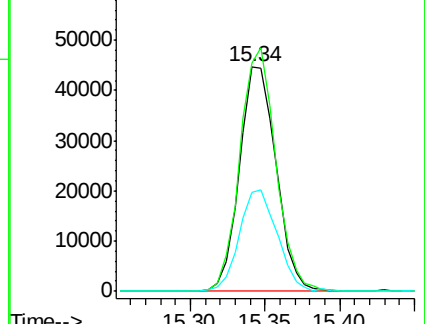
Ion	Ratio	Lower	Upper
164	100		
162	101.6	78.8	118.2
160	44.0	35.4	53.0



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: 152.778 ng

RT: 16.82 min Scan# 2303

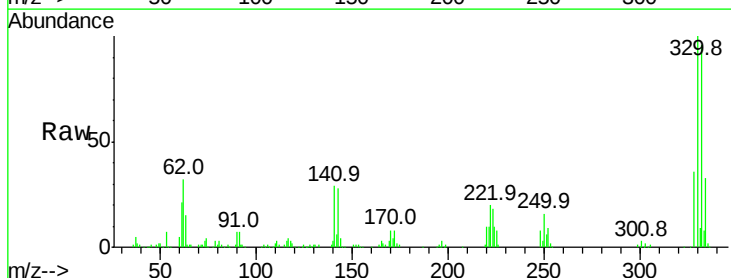
Delta R.T. -0.01 min

Lab File: BG032453.D

Acq: 30 Jan 2018 22:15

Tgt Ion:330 Resp: 221527

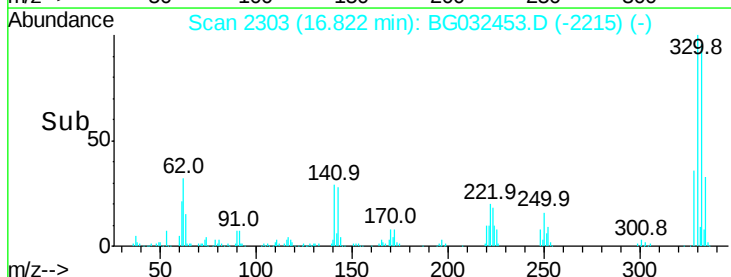
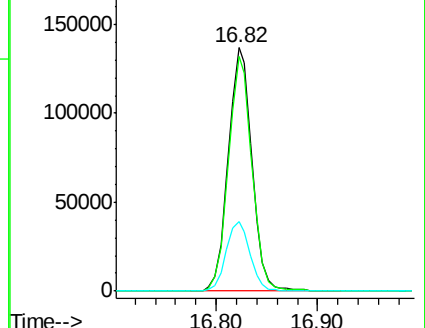
Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	29.0	25.2	37.8

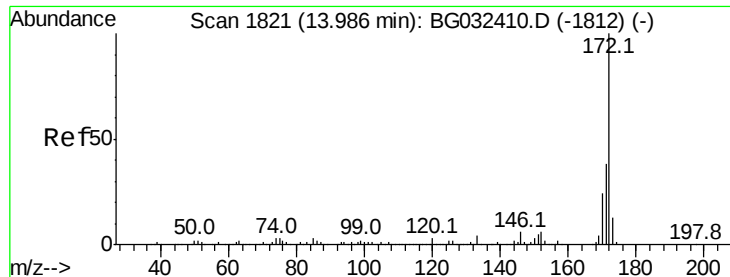


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

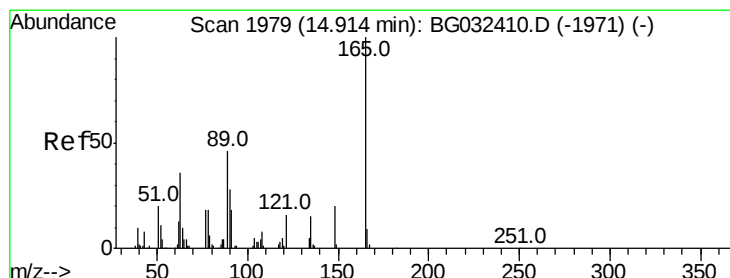
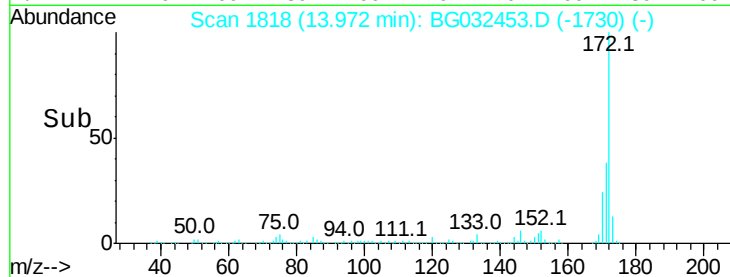
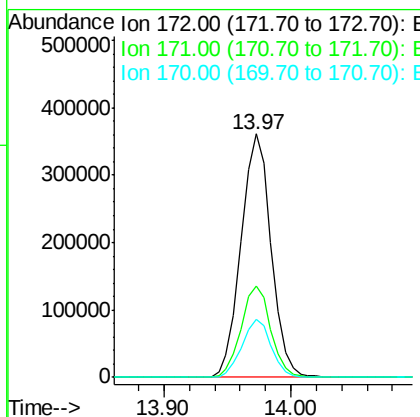
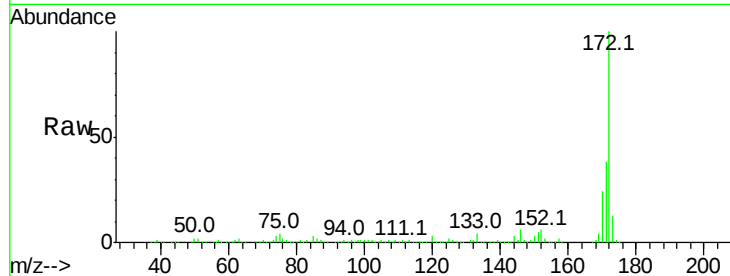




#44
 2-Fluorobiphenyl
 Concen: 92.653 ng
 RT: 13.97 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BG032453.D
 Acq: 30 Jan 2018 22:15

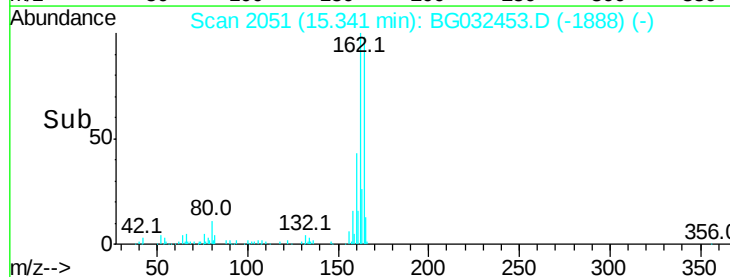
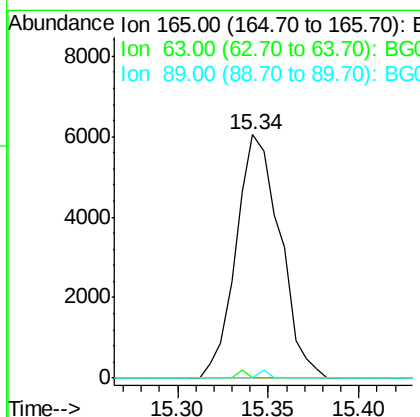
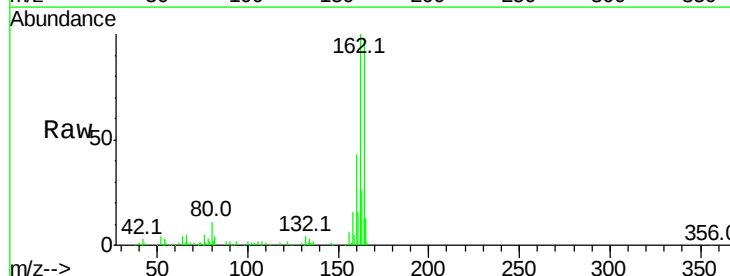
Instrument :
 BNA_G
 ClientSampled :

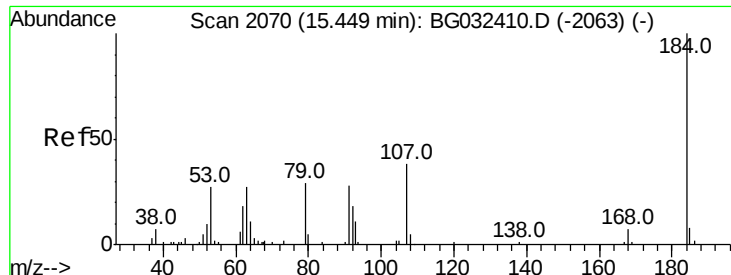
Tot Ion:172 Resp: 593812
 Ion Ratio Lower Upper
 172 100
 171 37.7 30.0 45.0
 170 23.8 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 6.910 ng
 RT: 15.34 min Scan# 2051
 Delta R.T. 0.43 min
 Lab File: BG032453.D
 Acq: 30 Jan 2018 22:15

Tgt Ion:165 Resp: 10186
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#

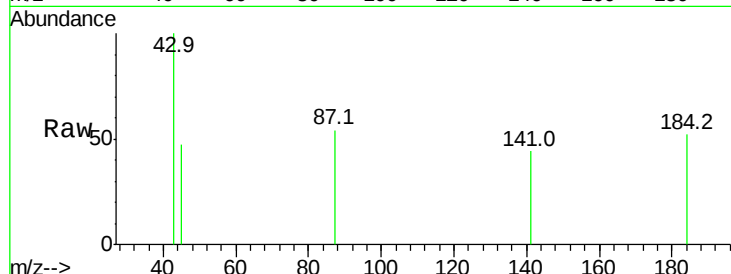




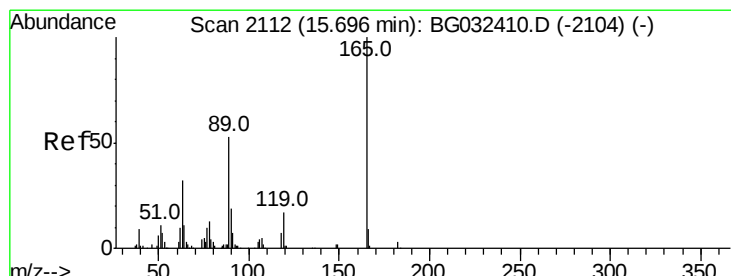
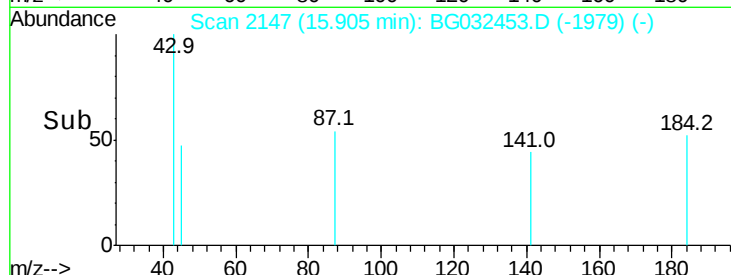
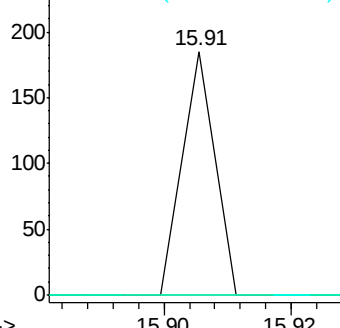
#53
 2,4-Dinitrophenol
 Concen: 4.171 ng
 RT: 15.91 min Scan# 2147
 Delta R.T. 0.46 min
 Lab File: BG032453.D
 Acq: 30 Jan 2018 22:15

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#

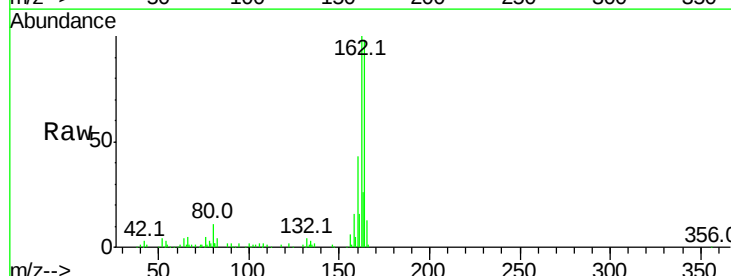


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 154.00 (153.70 to 154.70): E

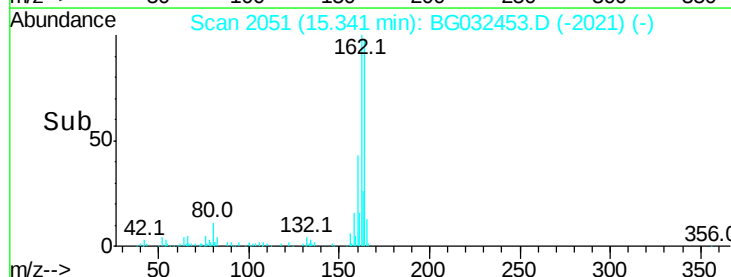
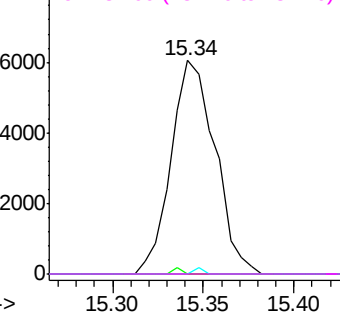


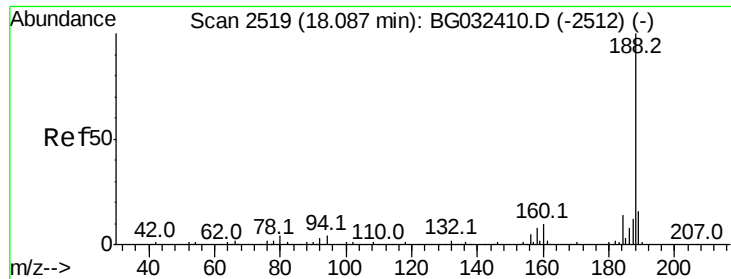
#56
 2,4-Dinitrotoluene
 Concen: 4.853 ng
 RT: 15.34 min Scan# 2051
 Delta R.T. -0.35 min
 Lab File: BG032453.D
 Acq: 30 Jan 2018 22:15

Tgt Ion:165 Resp: 10186
 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#



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

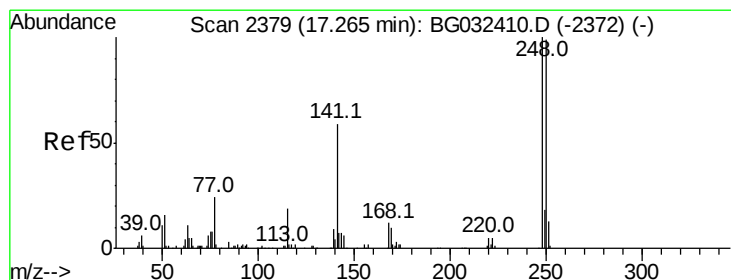
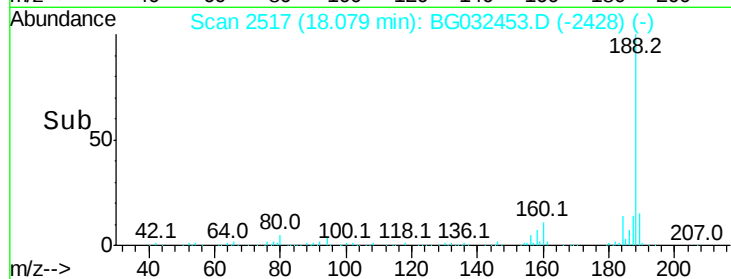
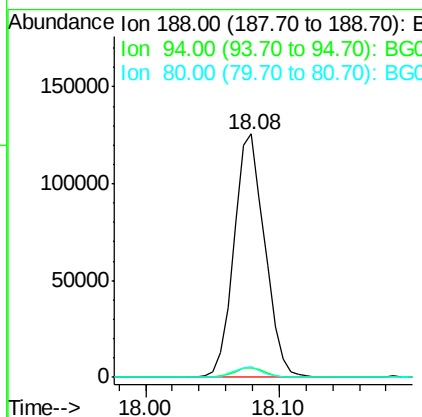
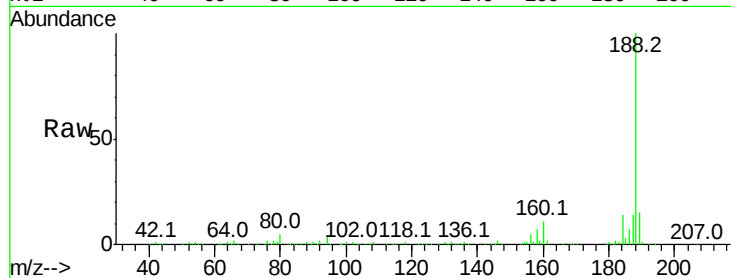




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.08 min Scan# 2517
Delta R.T. -0.01 min
Lab File: BG032453.D
Acq: 30 Jan 2018 22:15

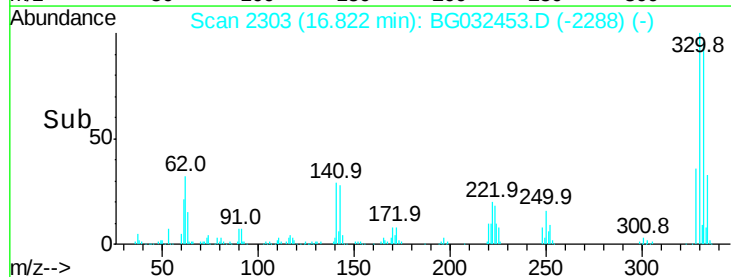
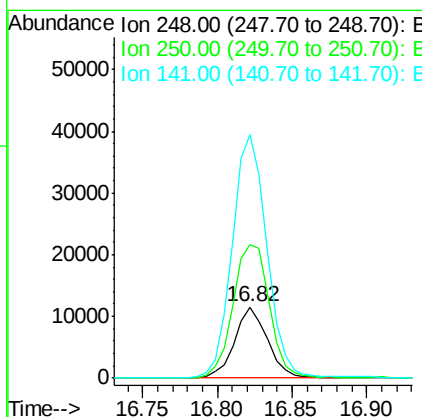
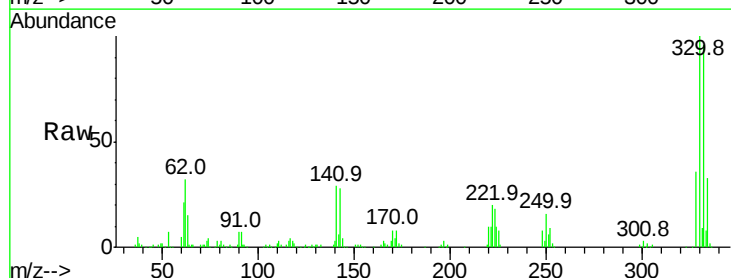
Instrument :
BNA_G
ClientSampleId :

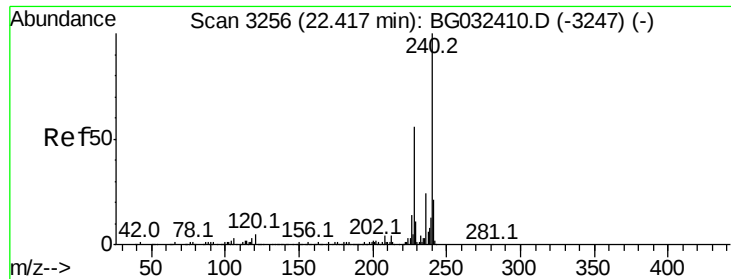
Tot Ion:188 Resp: 201294
Ion Ratio Lower Upper
188 100
94 3.8 6.9 10.3#
80 4.6 7.7 11.5#



#66
4-Bromophenyl-phenylether
Concen: 5.928 ng
RT: 16.82 min Scan# 2303
Delta R.T. -0.44 min
Lab File: BG032453.D
Acq: 30 Jan 2018 22:15

Tgt Ion:248 Resp: 17678
Ion Ratio Lower Upper
248 100
250 186.7 77.1 115.7#
141 340.7 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.40 min Scan# 3253

Delta R.T. -0.01 min

Lab File: BG032453.D

Acq: 30 Jan 2018 22:15

Instrument :

BNA_G

ClientSampleId :

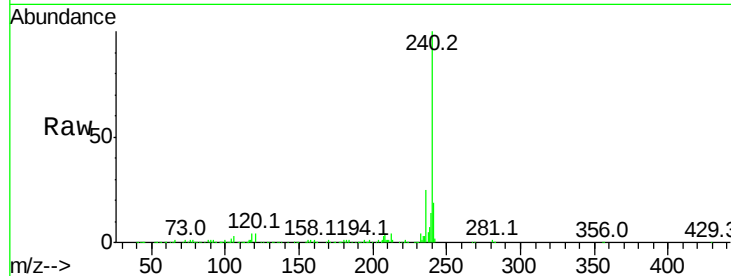
Tot Ion:240 Resp: 270549

Ion Ratio Lower Upper

240 100

120 4.3 6.8 10.2#

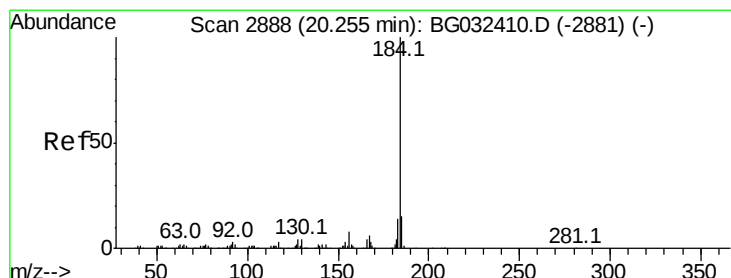
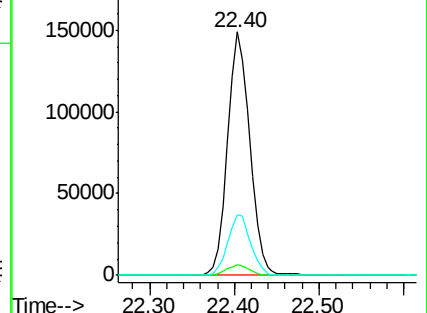
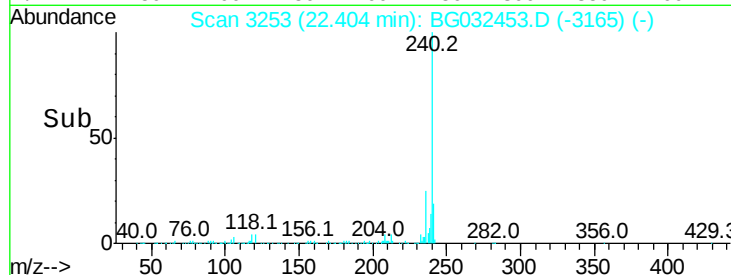
236 24.8 20.9 31.3



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: 3.552 ng

RT: 20.62 min Scan# 2949

Delta R.T. 0.36 min

Lab File: BG032453.D

Acq: 30 Jan 2018 22:15

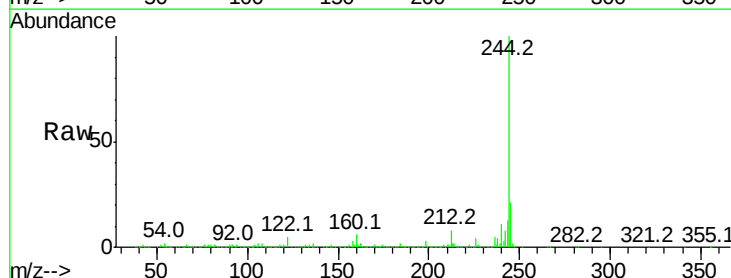
Tgt Ion:184 Resp: 18870

Ion Ratio Lower Upper

184 100

185 14.6 11.1 16.7

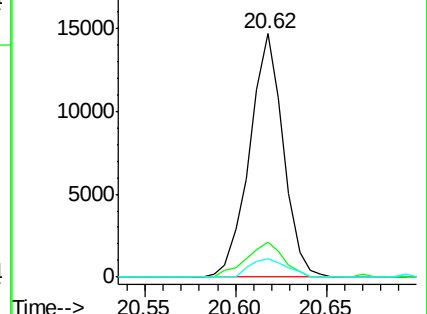
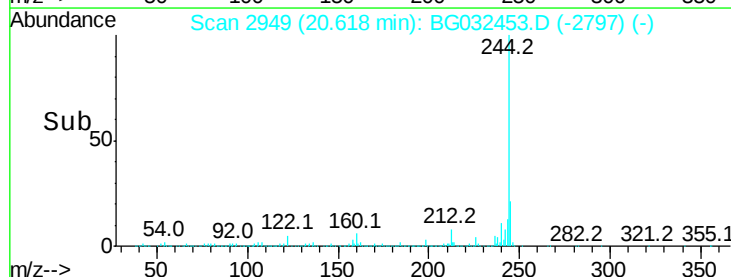
183 7.5 10.6 16.0#

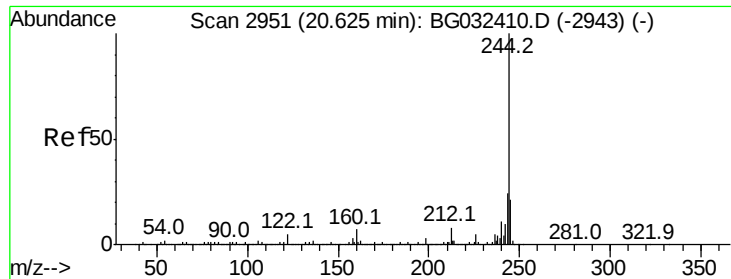


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 101.614 ng

RT: 20.62 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BG032453.D

Acq: 30 Jan 2018 22:15

Instrument :

BNA_G

ClientSampleId :

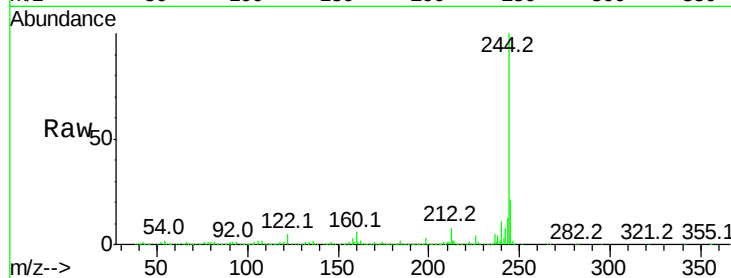
Tot Ion:244 Resp: 1283399

Ion Ratio Lower Upper

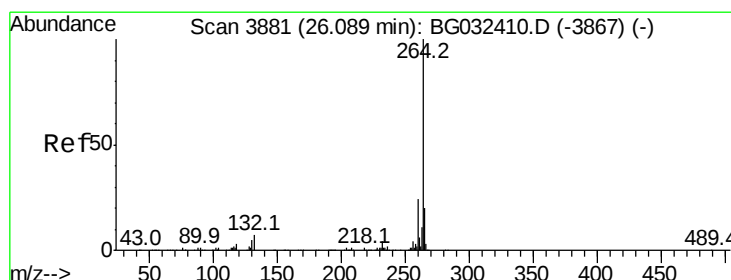
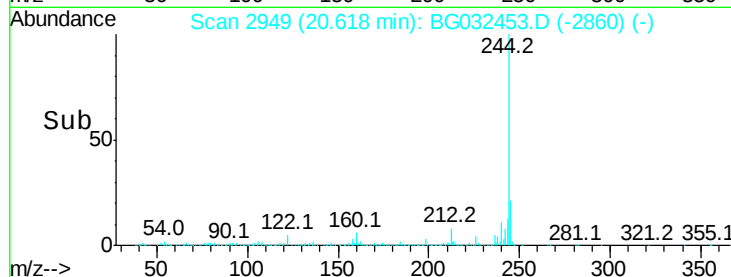
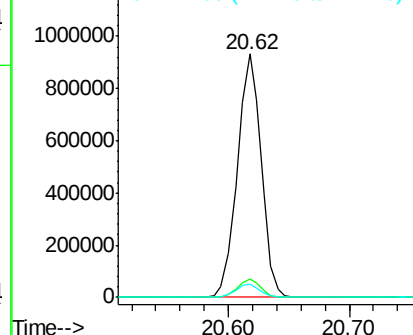
244 100

212 7.6 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: BG032453.D

Acq: 30 Jan 2018 22:15

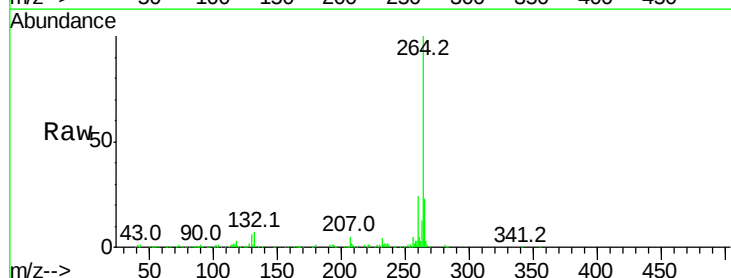
Tgt Ion:264 Resp: 295933

Ion Ratio Lower Upper

264 100

260 23.6 17.4 26.0

265 22.8 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

