

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042518\
 Data File : BG033989.D
 Acq On : 25 Apr 2018 16:36
 Operator : SJ/JU
 Sample : J2506-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 26 06:25:29 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 13:56:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	62044	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	272775	20.00	ng	-0.02
38) Acenaphthene-d10	14.46	164	187957	20.00	ng	-0.02
63) Phenanthrene-d10	17.21	188	503037	20.00	ng	-0.02
75) Chrysene-d12	21.46	240	588481	20.00	ng	-0.03
86) Perylene-d12	24.52	264	570246	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	499504	128.53	ng	0.00
7) Phenol-d6	7.00	99	609738	107.57	ng	0.00
23) Nitrobenzene-d5	8.98	82	461280	96.24	ng	0.00
41) 2,4,6-Tribromophenol	15.95	330	360226	164.28	ng	-0.02
44) 2-Fluorobiphenyl	13.09	172	1165042	91.06	ng	-0.02
78) Terphenyl-d14	19.85	244	2177610	83.13	ng	-0.02

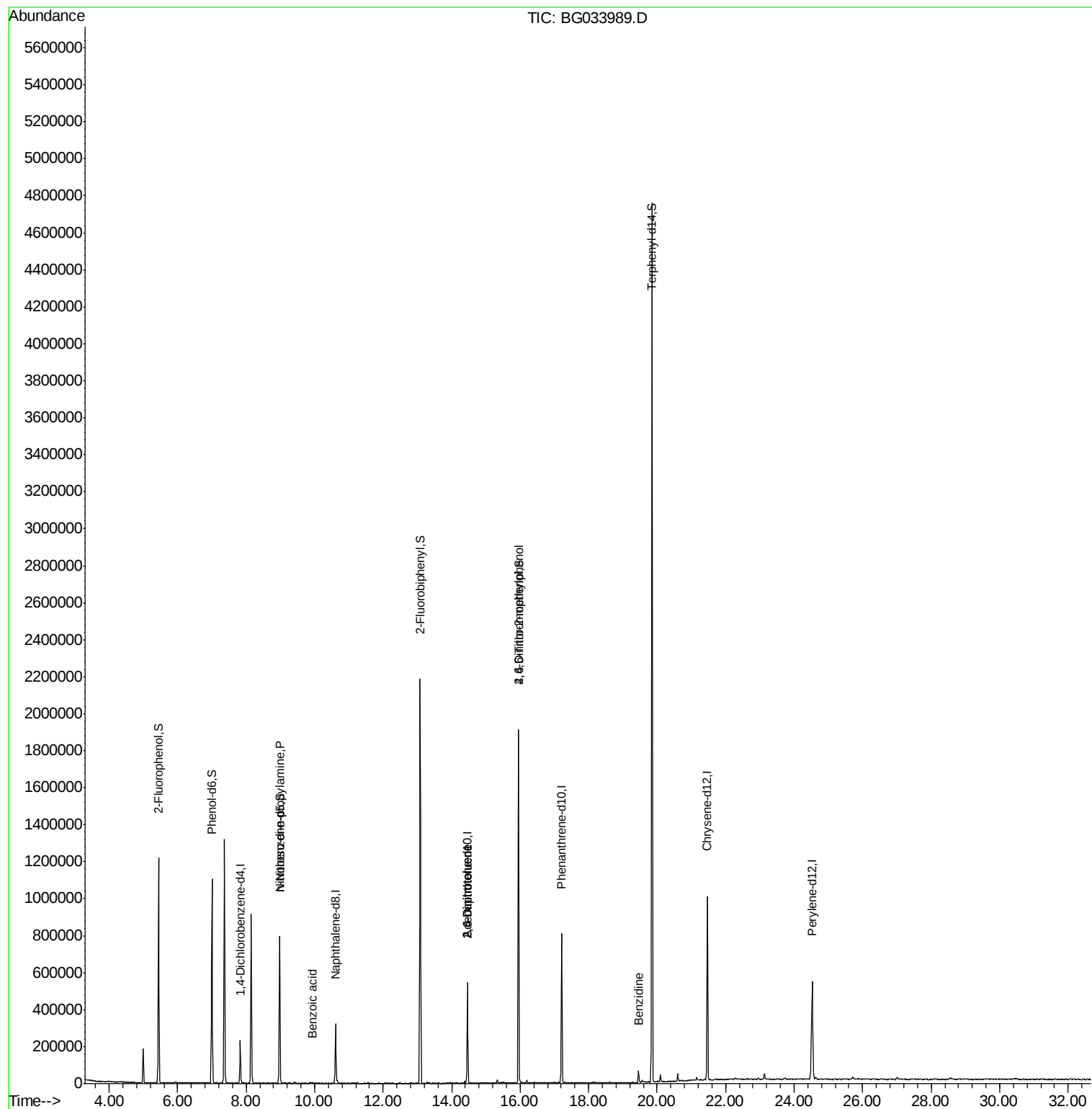
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.00	77	1203	Below Cal	#	5
19) n-Nitroso-di-n-propylamine	8.98	70	63015	13.042	ng	# 80
32) Benzoic acid	9.93	122	72	5.101	ng	# 70
50) 2,6-Dinitrotoluene	14.46	165	25697	8.201	ng	# 21
56) 2,4-Dinitrotoluene	14.46	165	25697	6.167	ng	# 19
64) 4,6-Dinitro-2-methylphenol	15.96	198	1363	6.976	ng	# 73
76) Benzydine	19.46	184	42944	2.702	ng	97

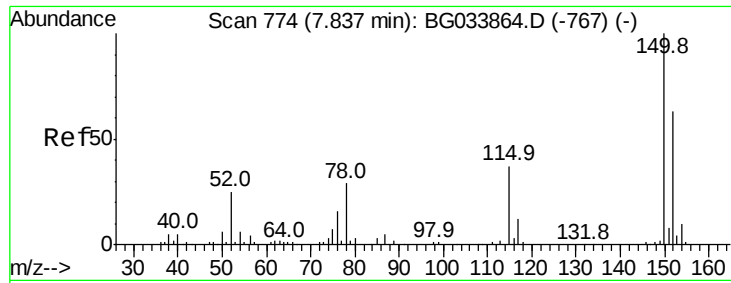
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042518\
Data File : BG033989.D
Acq On : 25 Apr 2018 16:36
Operator : SJ/JU
Sample : J2506-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Apr 26 06:25:29 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 19 13:56:22 2018
Response via : Initial Calibration



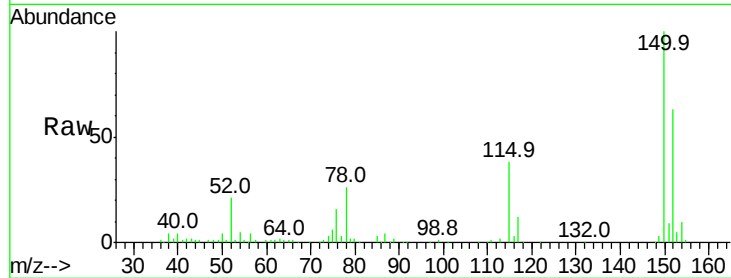


#1

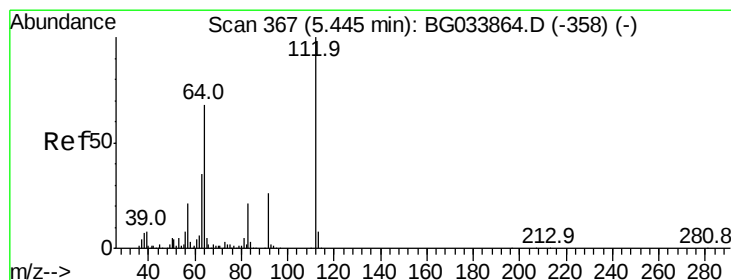
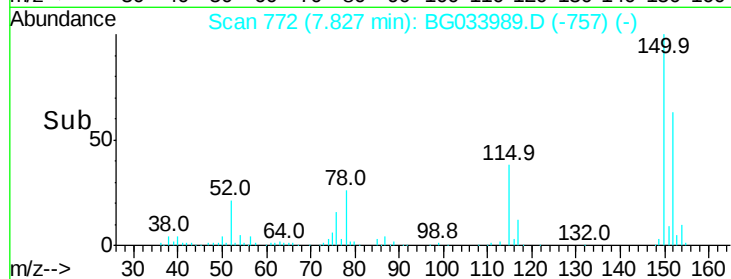
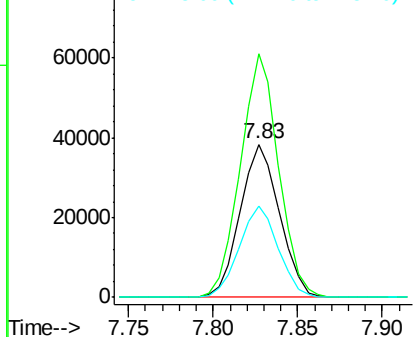
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 772
Delta R.T. -0.01 min
Lab File: BG033989.D
Acq: 25 Apr 2018 16:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 62044
Ion Ratio Lower Upper
152 100
150 159.3 126.6 189.8
115 59.8 53.0 79.4



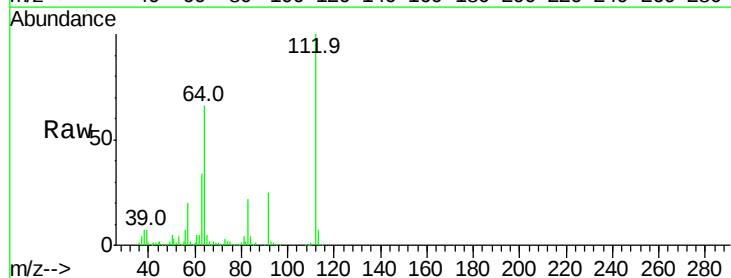
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



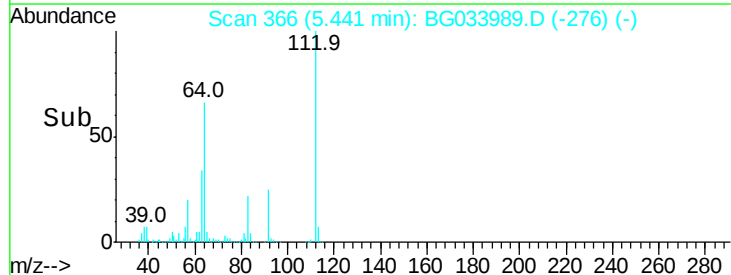
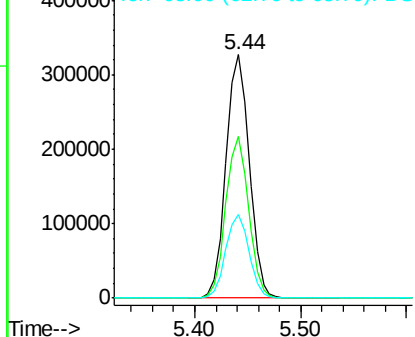
#5

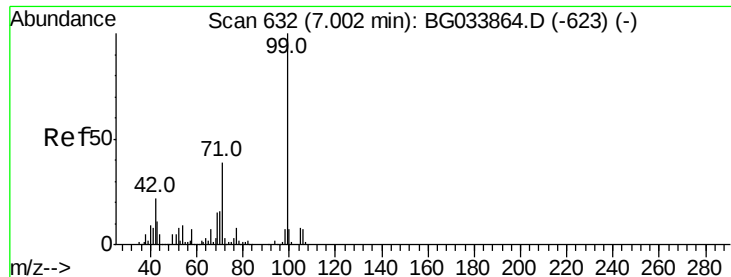
2-Fluorophenol
Concen: 128.534 ng
RT: 5.44 min Scan# 366
Delta R.T. -0.00 min
Lab File: BG033989.D
Acq: 25 Apr 2018 16:36

Tgt Ion:112 Resp: 499504
Ion Ratio Lower Upper
112 100
64 66.2 56.3 84.5
63 34.2 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 107.572 ng

RT: 7.00 min Scan# 631

Delta R.T. -0.00 min

Lab File: BG033989.D

Acq: 25 Apr 2018 16:36

Instrument :

BNA_G

ClientSampled :

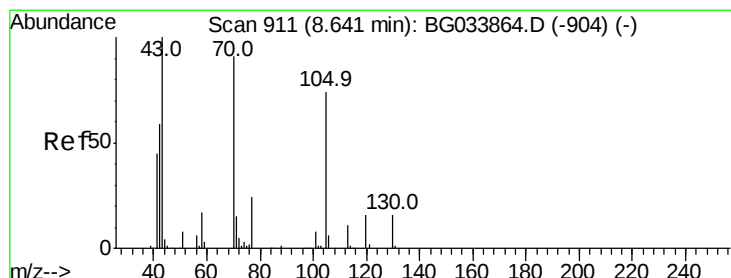
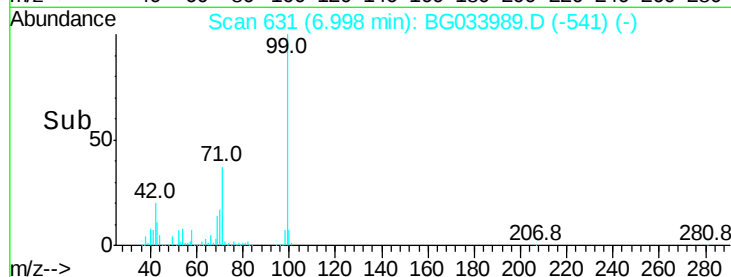
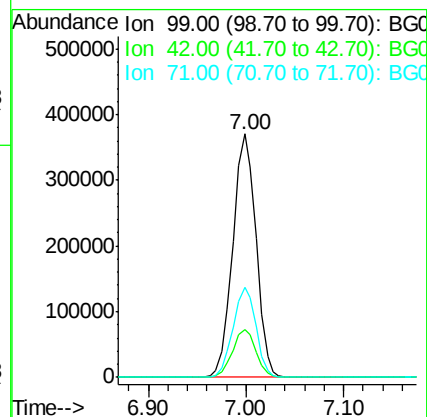
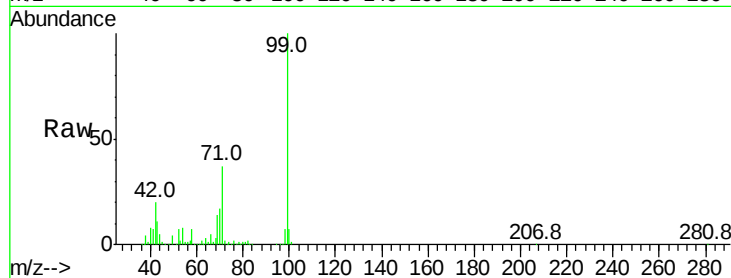
Tot Ion: 99 Resp: 609738

Ion Ratio Lower Upper

99 100

42 19.7 14.1 21.1

71 36.9 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 13.042 ng

RT: 8.98 min Scan# 968

Delta R.T. 0.34 min

Lab File: BG033989.D

Acq: 25 Apr 2018 16:36

Tgt Ion: 70 Resp: 63015

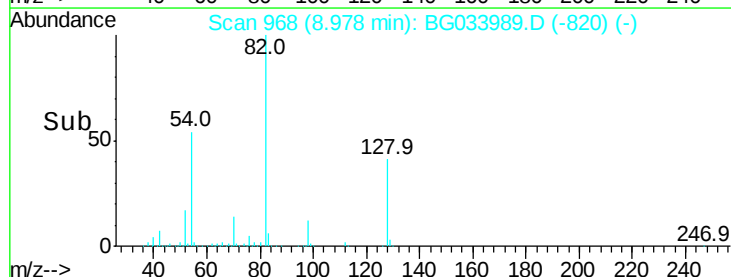
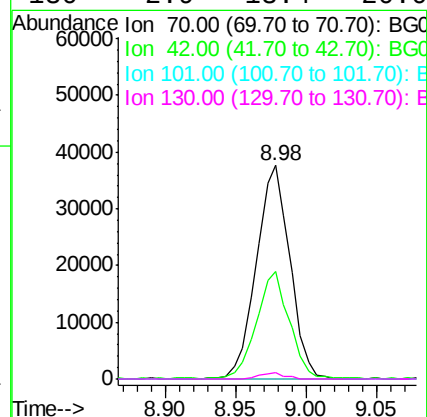
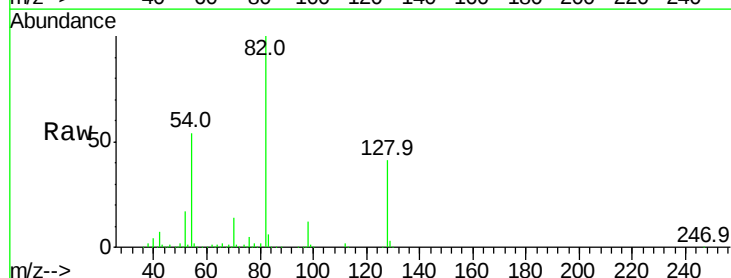
Ion Ratio Lower Upper

70 100

42 50.1 49.1 73.7

101 0.0 8.5 12.7#

130 2.9 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.61 min Scan# 1246

Delta R.T. -0.02 min

Lab File: BG033989.D

Acq: 25 Apr 2018 16:36

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 272775

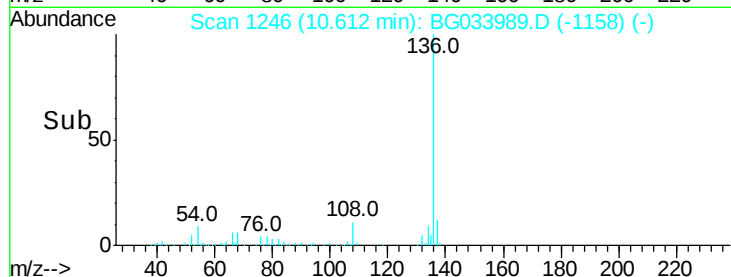
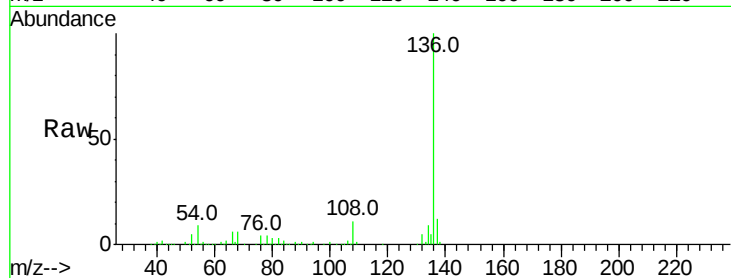
Ion Ratio Lower Upper

136 100

137 11.7 9.2 13.8

54 8.7 10.3 15.5#

68 6.2 4.5 6.7

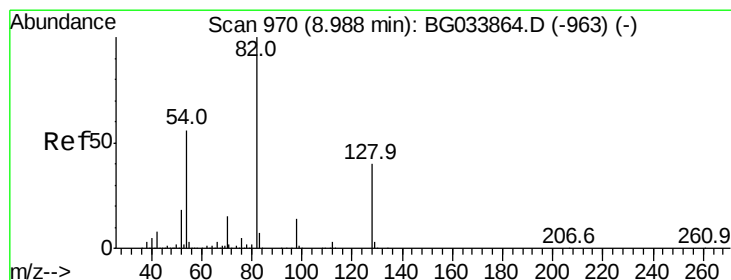
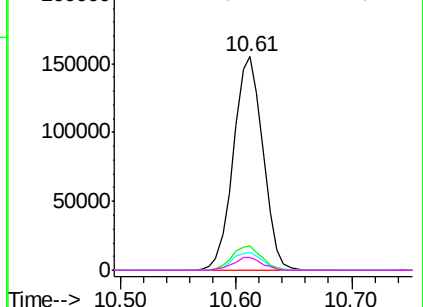


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.238 ng

RT: 8.98 min Scan# 968

Delta R.T. -0.01 min

Lab File: BG033989.D

Acq: 25 Apr 2018 16:36

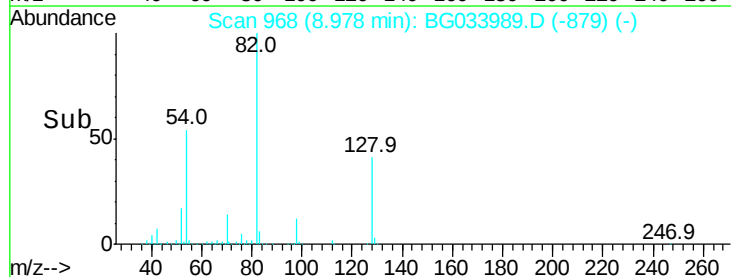
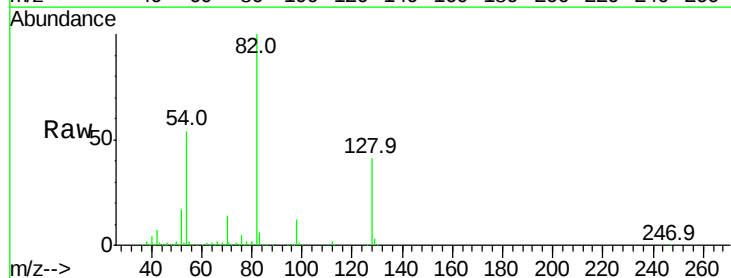
Tgt Ion: 82 Resp: 461280

Ion Ratio Lower Upper

82 100

128 41.2 29.7 44.5

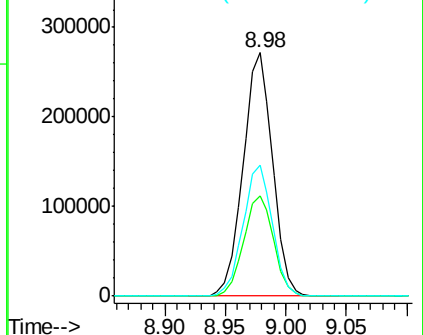
54 54.0 43.1 64.7

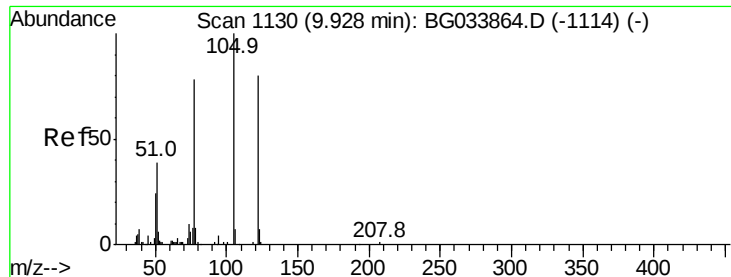


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 5.101 ng

RT: 9.93 min Scan# 1130

Delta R.T. 0.00 min

Lab File: BG033989.D

Acq: 25 Apr 2018 16:36

Instrument :

BNA_G

ClientSampleId :

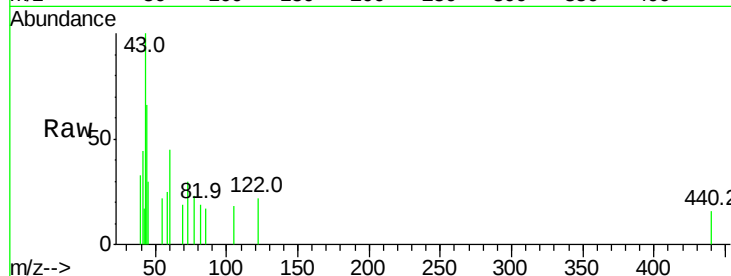
Tot Ion:122 Resp: 72

Ion Ratio Lower Upper

122 100

105 81.5 123.5 163.5#

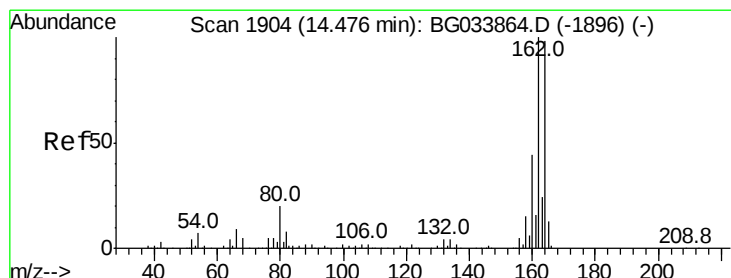
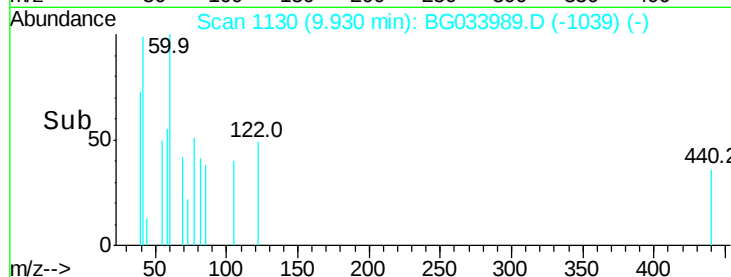
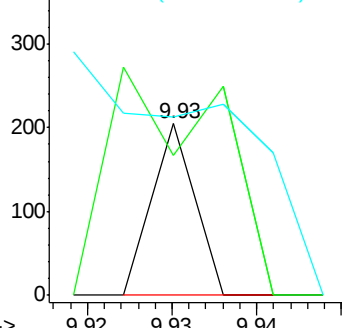
77 103.9 85.7 125.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.46 min Scan# 1901

Delta R.T. -0.02 min

Lab File: BG033989.D

Acq: 25 Apr 2018 16:36

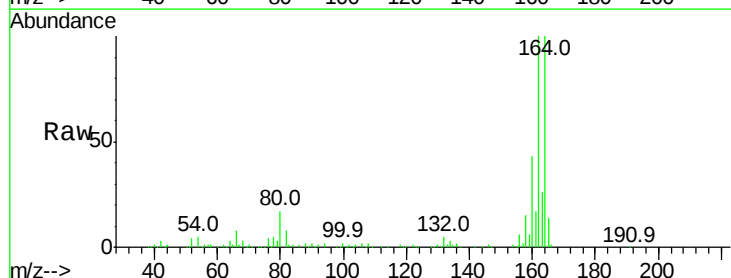
Tgt Ion:164 Resp: 187957

Ion Ratio Lower Upper

164 100

162 99.6 78.8 118.2

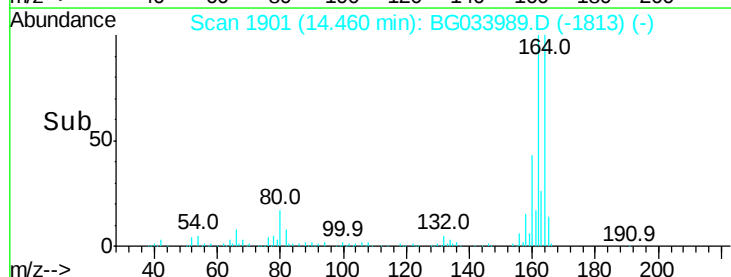
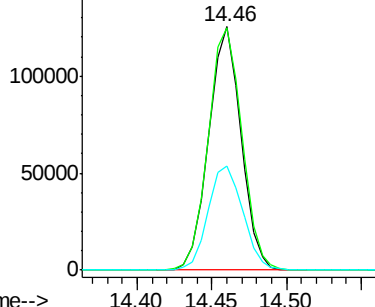
160 42.6 35.4 53.0

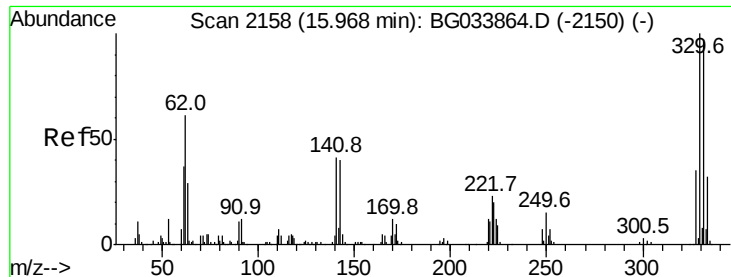


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

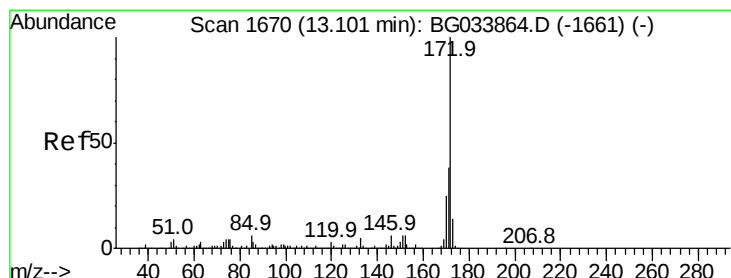
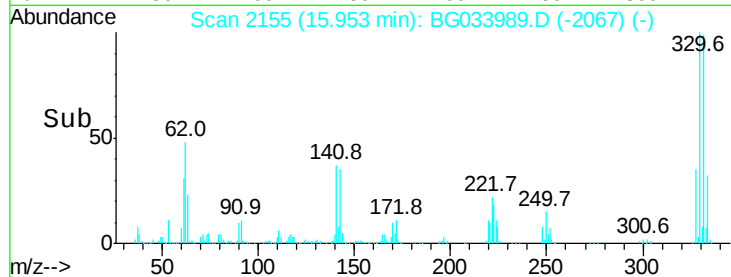
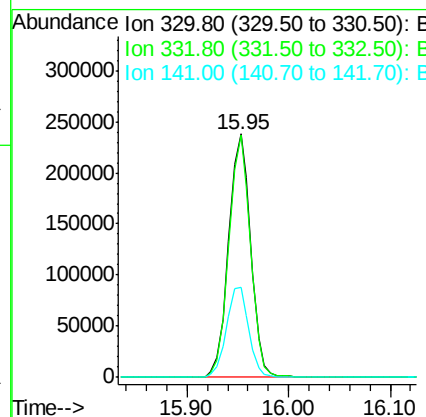
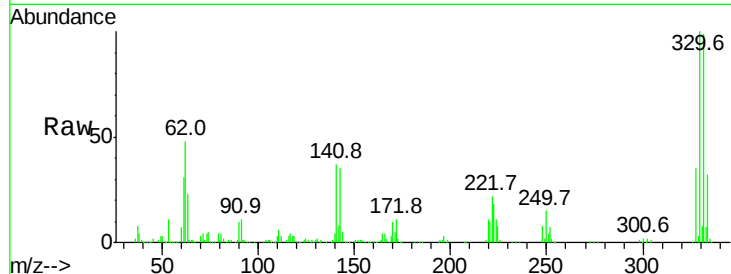




#41
 2,4,6-Tribromophenol
 Concen: 164.275 ng
 RT: 15.95 min Scan# 2155
 Delta R.T. -0.02 min
 Lab File: BG033989.D
 Acq: 25 Apr 2018 16:36

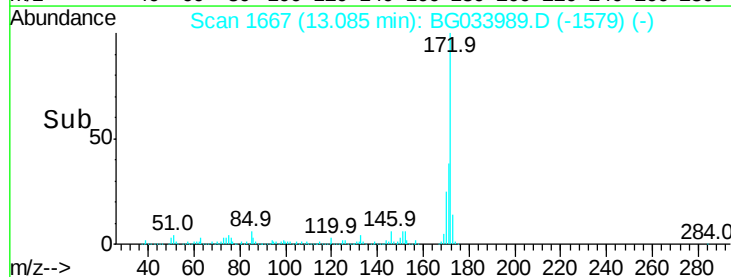
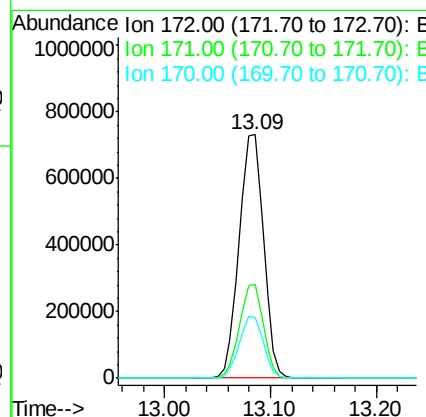
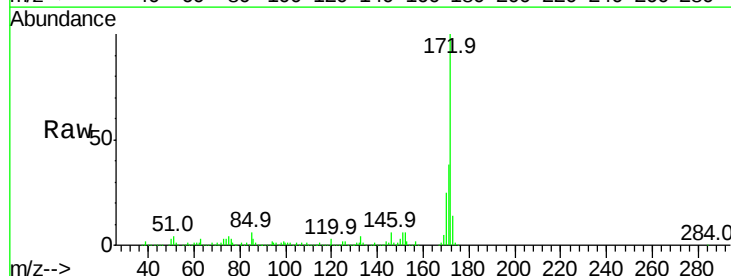
Instrument :
 BNA_G
 ClientSampleId :

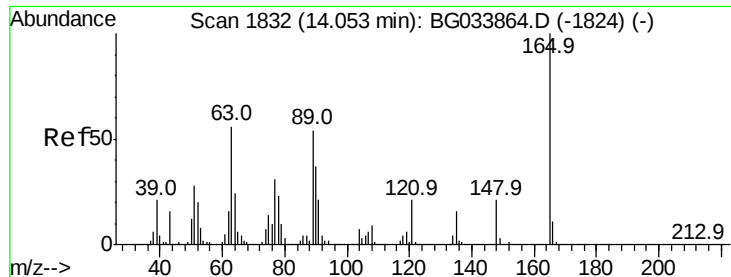
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	37.3	25.2	37.8



#44
 2-Fluorobiphenyl
 Concen: 91.057 ng
 RT: 13.09 min Scan# 1667
 Delta R.T. -0.02 min
 Lab File: BG033989.D
 Acq: 25 Apr 2018 16:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.4	30.0	45.0
170	25.0	19.5	29.3

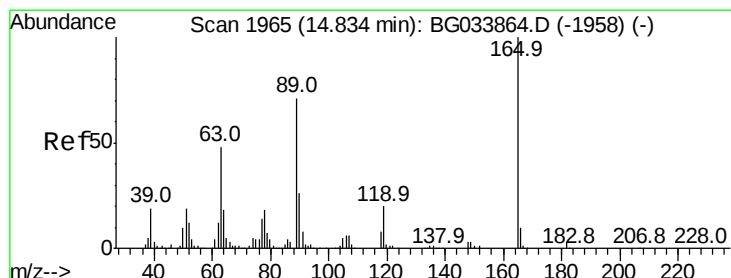
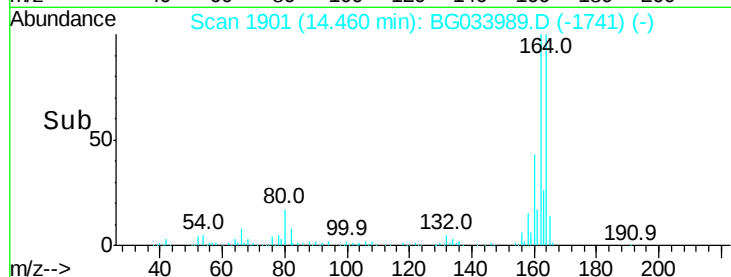
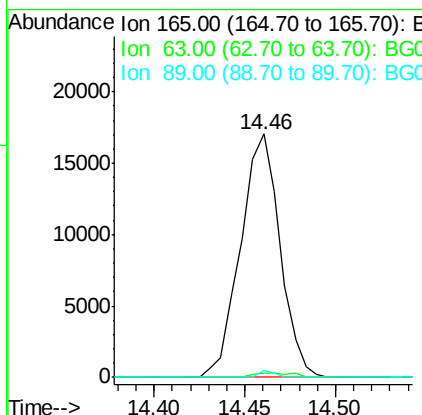
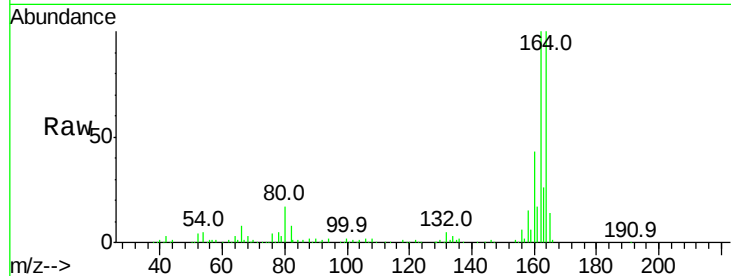




#50
2,6-Dinitrotoluene
Concen: 8.201 ng
RT: 14.46 min Scan# 1901
Delta R.T. 0.41 min
Lab File: BG033989.D
Acq: 25 Apr 2018 16:36

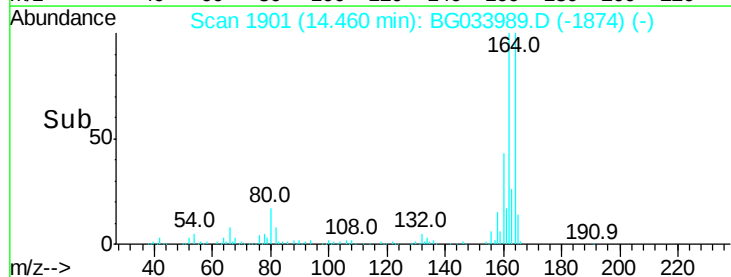
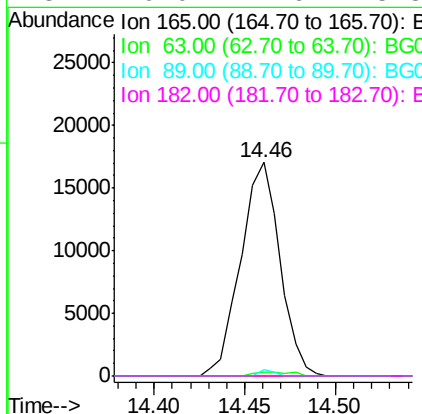
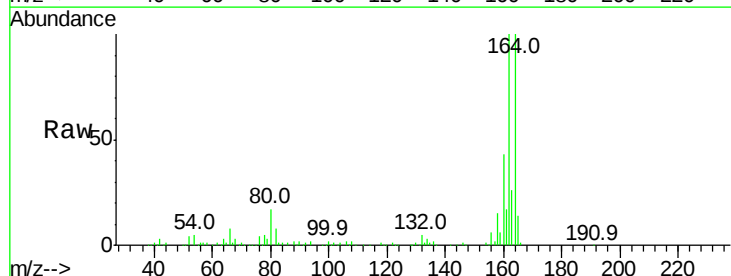
Instrument :
BNA_G
ClientSampleId :

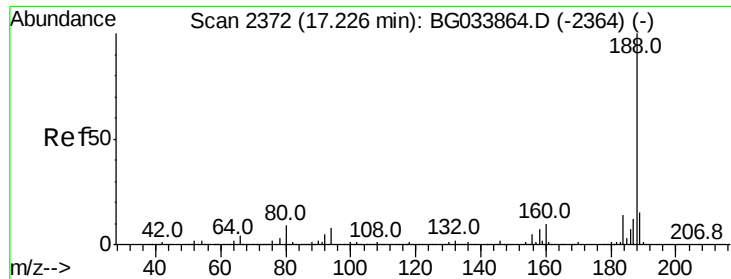
Tot Ion:165 Resp: 25697
Ion Ratio Lower Upper
165 100
63 1.5 52.7 79.1#
89 2.9 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 6.167 ng
RT: 14.46 min Scan# 1901
Delta R.T. -0.37 min
Lab File: BG033989.D
Acq: 25 Apr 2018 16:36

Tgt Ion:165 Resp: 25697
Ion Ratio Lower Upper
165 100
63 1.5 42.0 63.0#
89 2.9 66.9 100.3#
182 0.0 2.6 3.8#

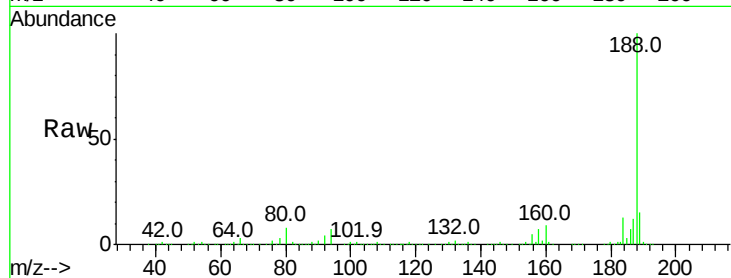




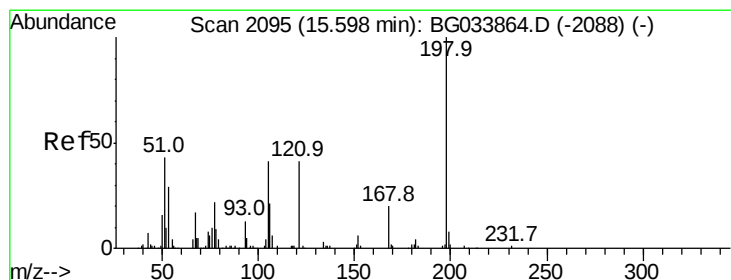
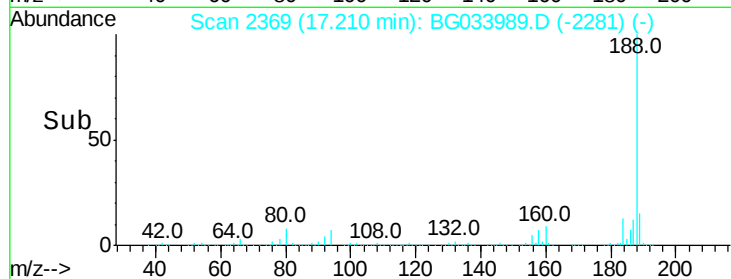
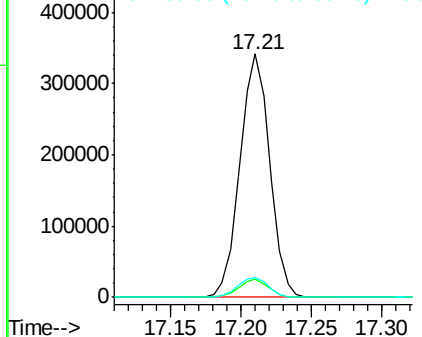
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.21 min Scan# 2369
 Delta R.T. -0.02 min
 Lab File: BG033989.D
 Acq: 25 Apr 2018 16:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 503037
 Ion Ratio Lower Upper
 188 100
 94 7.3 6.9 10.3
 80 8.2 7.7 11.5

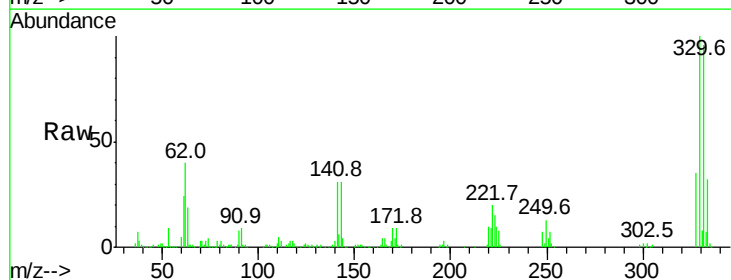


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

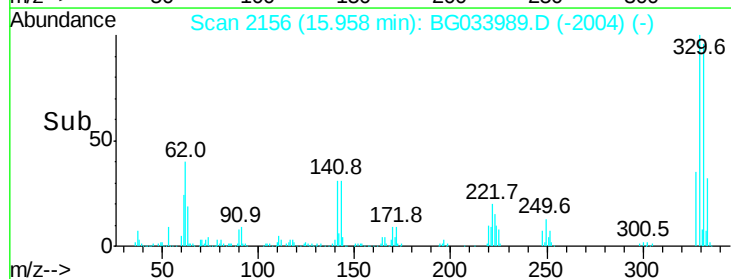
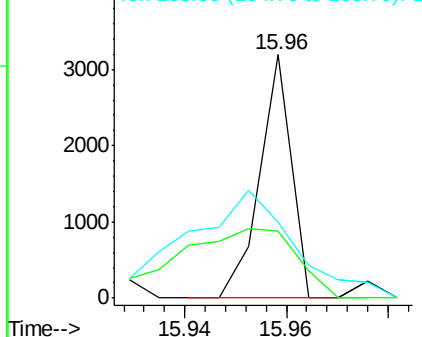


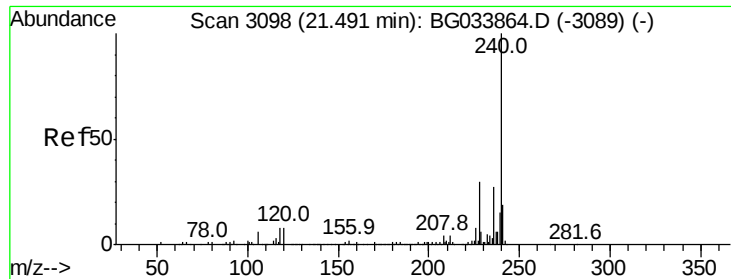
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.976 ng
 RT: 15.96 min Scan# 2156
 Delta R.T. 0.36 min
 Lab File: BG033989.D
 Acq: 25 Apr 2018 16:36

Tgt Ion:198 Resp: 1363
 Ion Ratio Lower Upper
 198 100
 51 27.8 30.6 70.6#
 105 31.3 23.8 63.8



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.46 min Scan# 3093

Delta R.T. -0.03 min

Lab File: BG033989.D

Acq: 25 Apr 2018 16:36

Instrument :

BNA_G

ClientSampleId :

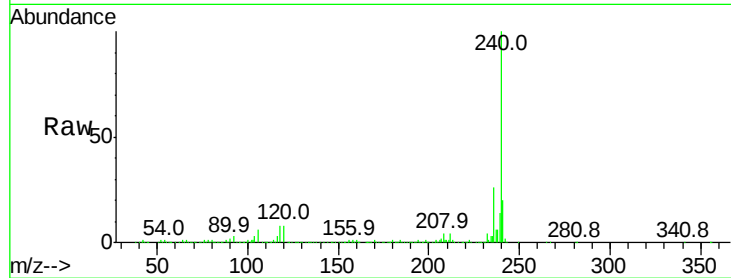
Tot Ion:240 Resp: 588481

Ion Ratio Lower Upper

240 100

120 8.2 6.8 10.2

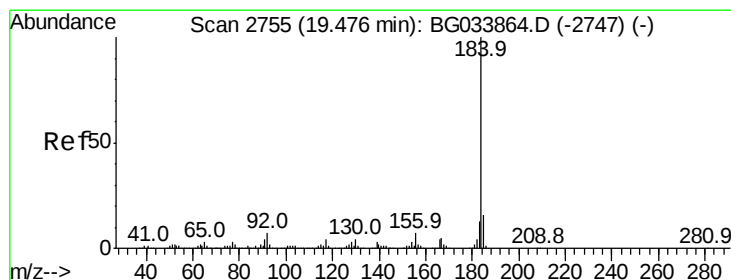
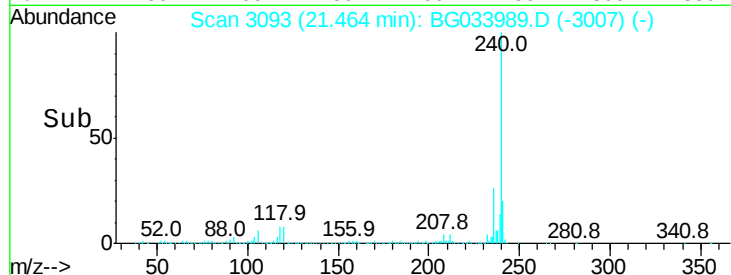
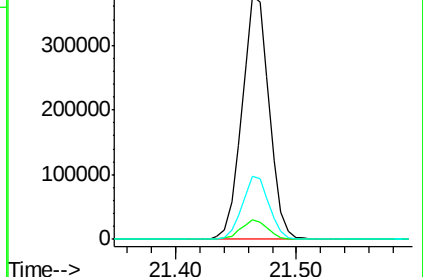
236 25.7 20.9 31.3



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: 2.702 ng

RT: 19.46 min Scan# 2752

Delta R.T. -0.02 min

Lab File: BG033989.D

Acq: 25 Apr 2018 16:36

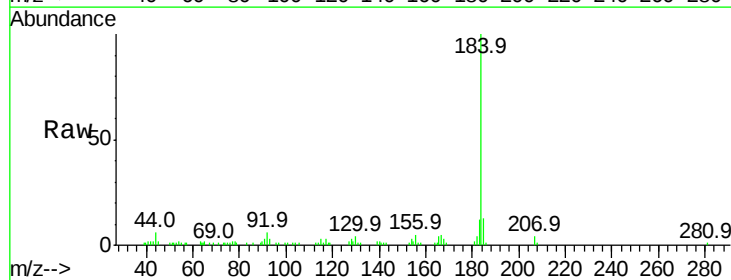
Tgt Ion:184 Resp: 42944

Ion Ratio Lower Upper

184 100

185 12.7 11.1 16.7

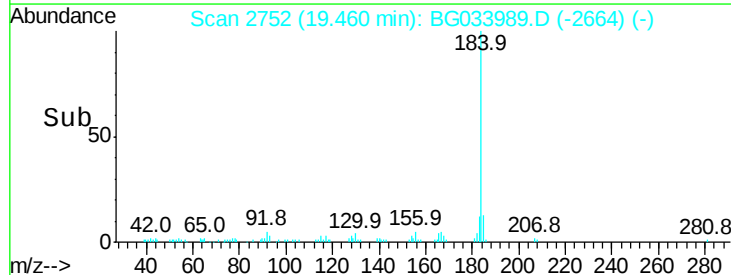
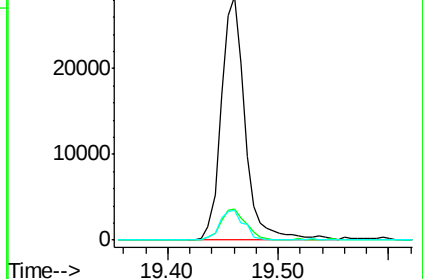
183 12.4 10.6 16.0

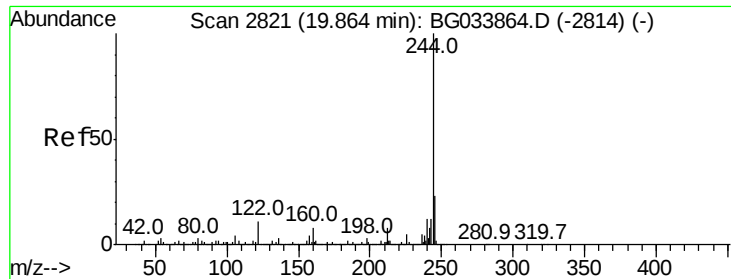


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 83.134 ng

RT: 19.85 min Scan# 2818

Delta R.T. -0.02 min

Lab File: BG033989.D

Acq: 25 Apr 2018 16:36

Instrument :

BNA_G

ClientSampleId :

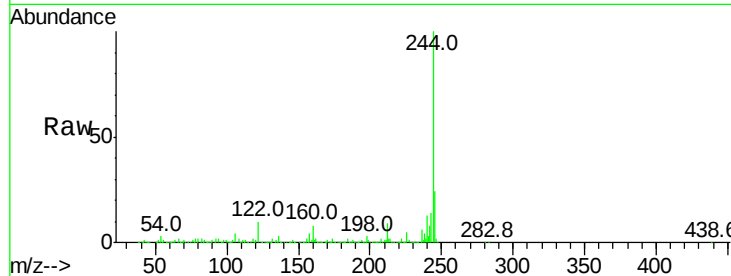
Tot Ion:244 Resp: 2177610

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8#

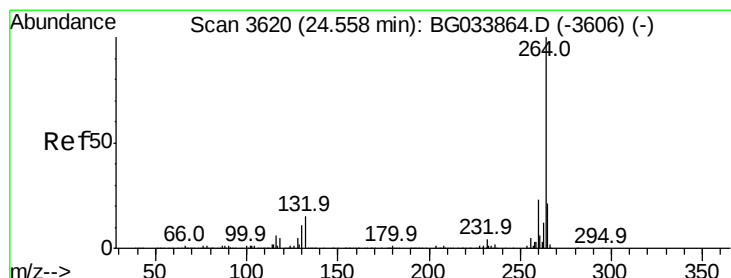
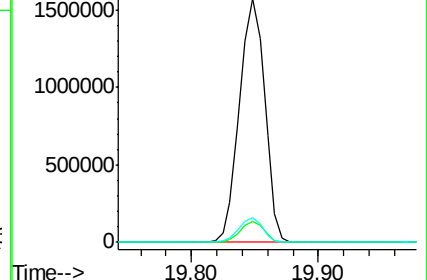
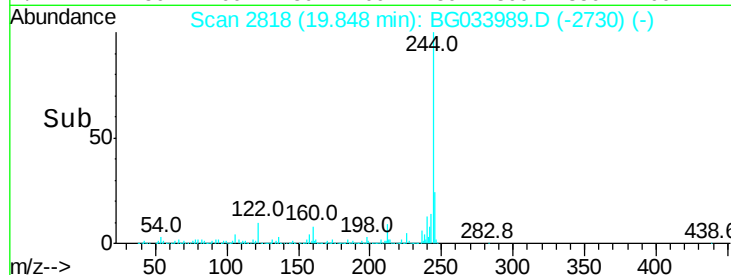
122 10.1 7.0 10.4



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: 24.52 min Scan# 3614

Delta R.T. -0.03 min

Lab File: BG033989.D

Acq: 25 Apr 2018 16:36

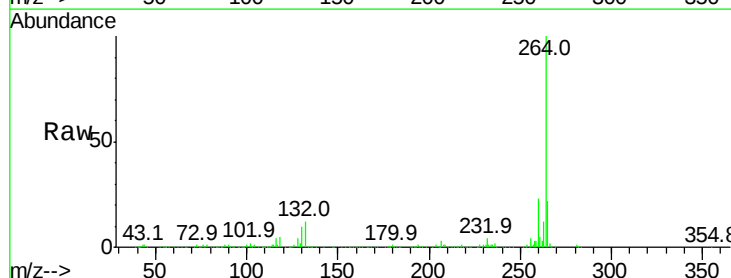
Tgt Ion:264 Resp: 570246

Ion Ratio Lower Upper

264 100

260 22.8 17.4 26.0

265 21.9 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

