

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040318\
 Data File : BG033544.D
 Acq On : 4 Apr 2018 4:28
 Operator : SJ/JU
 Sample : J2177-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 04 05:55:58 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 03 14:50:26 2018
 Response via : Initial Calibration

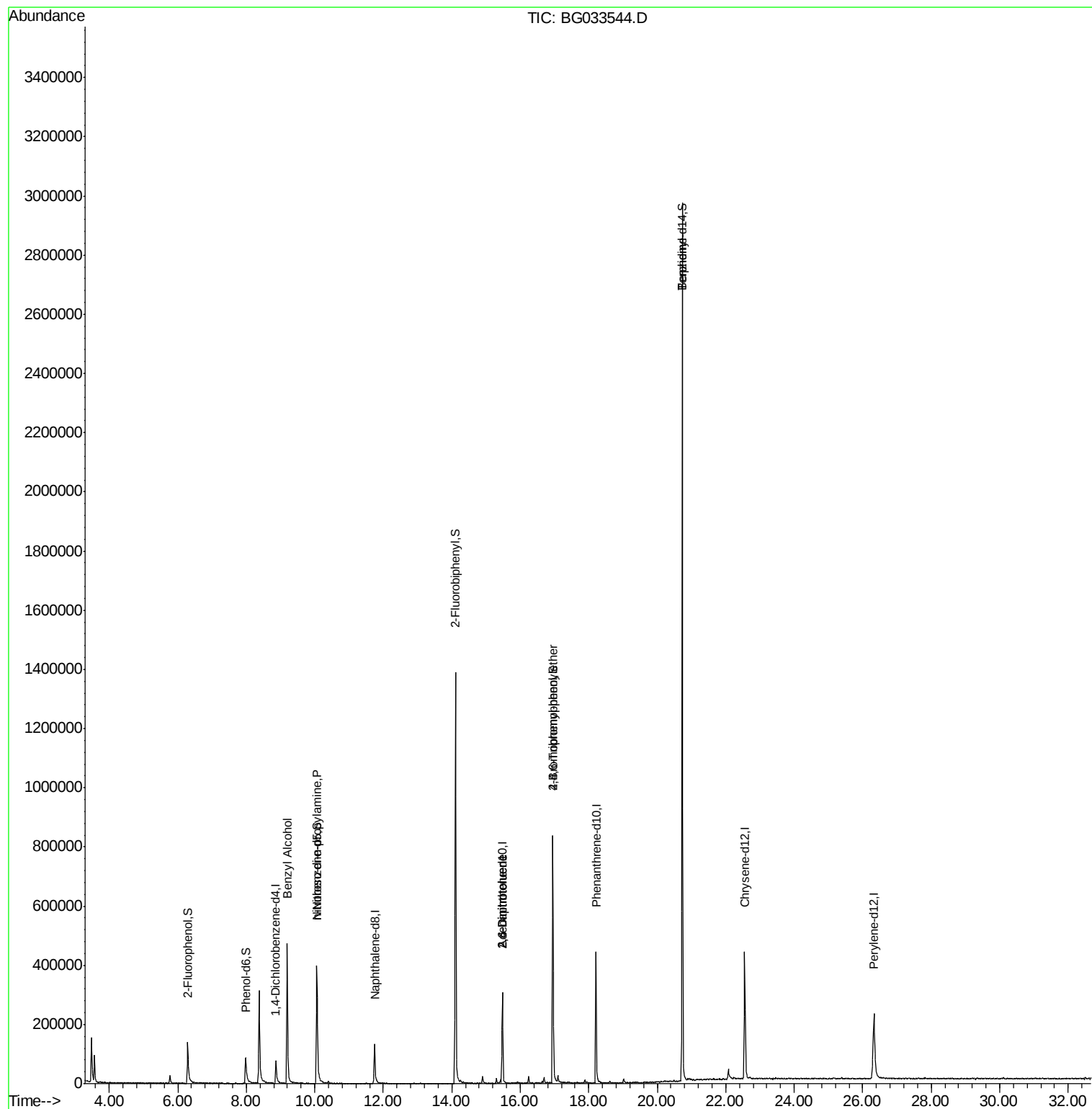
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	28500	20.00	ng	0.00
21) Naphthalene-d8	11.75	136	135527	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	120697	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	323549	20.00	ng	0.00
75) Chrysene-d12	22.55	240	320670	20.00	ng	0.00
86) Perylene-d12	26.33	264	337961	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	78677	51.76	ng	0.00
7) Phenol-d6	7.98	99	85546	32.76	ng	0.00
23) Nitrobenzene-d5	10.06	82	324296	109.94	ng	0.00
41) 2,4,6-Tribromophenol	16.96	330	170080	94.22	ng	0.00
44) 2-Fluorobiphenyl	14.11	172	809436	96.82	ng	0.00
78) Terphenyl-d14	20.73	244	1451655	96.81	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.19	79	5743	2.793	ng	# 38
19) n-Nitroso-di-n-propylamine	10.06	70	43965	22.975	ng	# 74
50) 2,6-Dinitrotoluene	15.49	165	14844	6.911	ng	# 21
56) 2,4-Dinitrotoluene	15.49	165	14844	4.694	ng	# 19
66) 4-Bromophenyl-phenylether	16.96	248	13040	3.432	ng	# 1
76) Benzidine	20.73	184	25317	2.911	ng	# 95

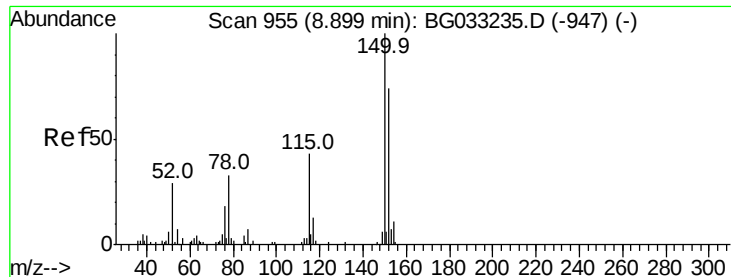
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.86 min Scan# 949

Delta R.T. -0.00 min

Lab File: BG033544.D

Acq: 4 Apr 2018 4:28

Instrument :

BNA_G

ClientSampleId :

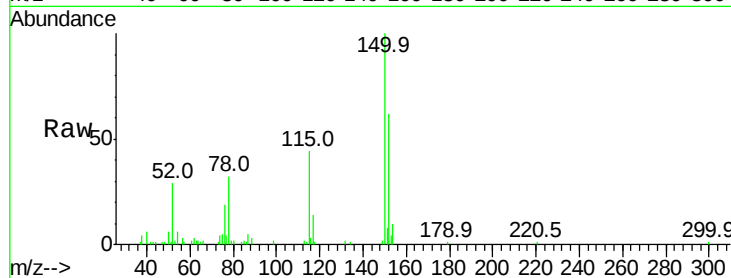
Tot Ion:152 Resp: 28500

Ion Ratio Lower Upper

152 100

150 160.0 126.6 189.8

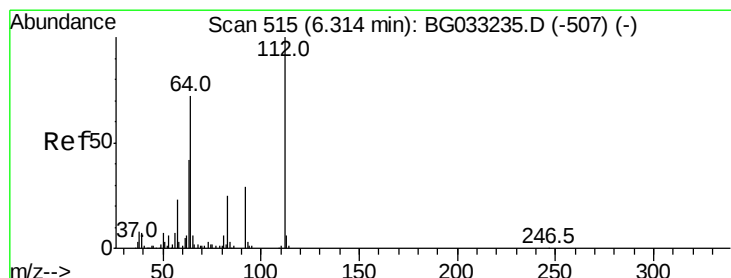
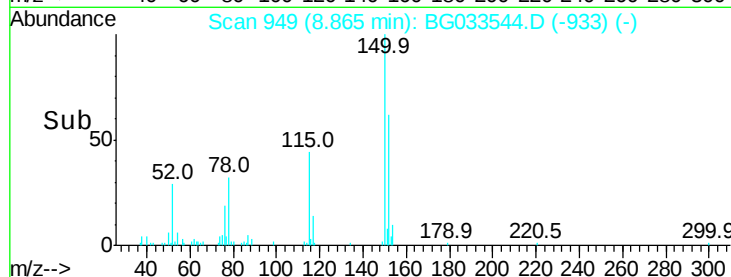
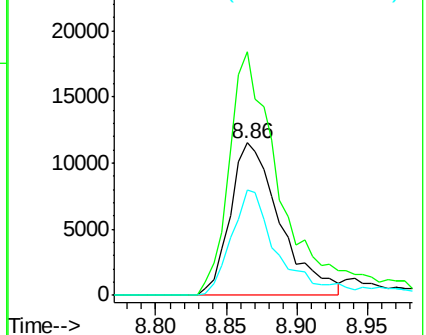
115 69.7 53.0 79.4



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: 51.765 ng

RT: 6.29 min Scan# 511

Delta R.T. 0.00 min

Lab File: BG033544.D

Acq: 4 Apr 2018 4:28

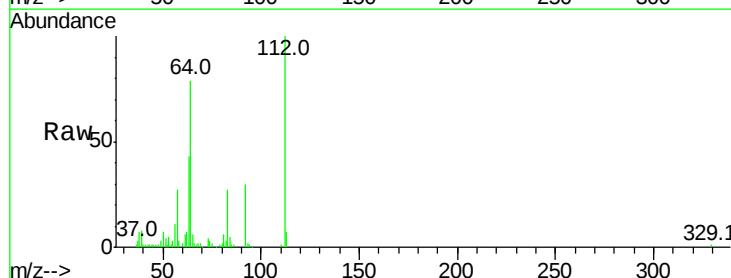
Tgt Ion:112 Resp: 78677

Ion Ratio Lower Upper

112 100

64 78.6 56.3 84.5

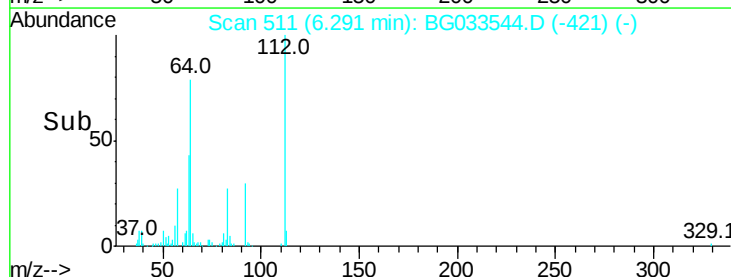
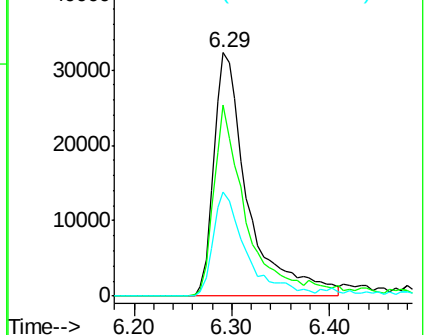
63 43.0 30.1 45.1

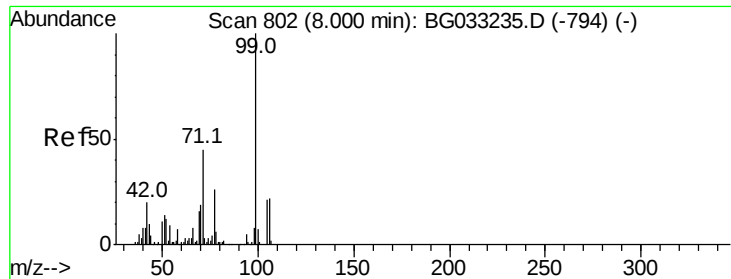


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 32.757 ng

RT: 7.98 min Scan# 799

Delta R.T. 0.00 min

Lab File: BG033544.D

Acq: 4 Apr 2018 4:28

Instrument :

BNA_G

ClientSampleId :

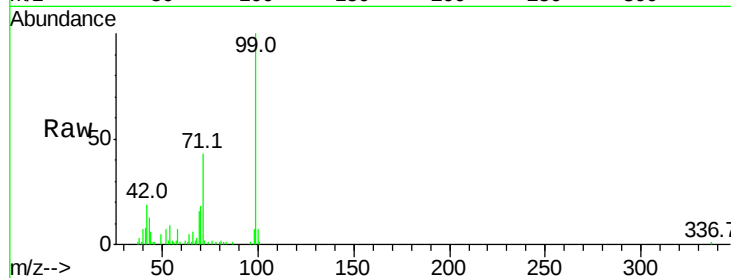
Tot Ion: 99 Resp: 85546

Ion Ratio Lower Upper

99 100

42 18.5 14.1 21.1

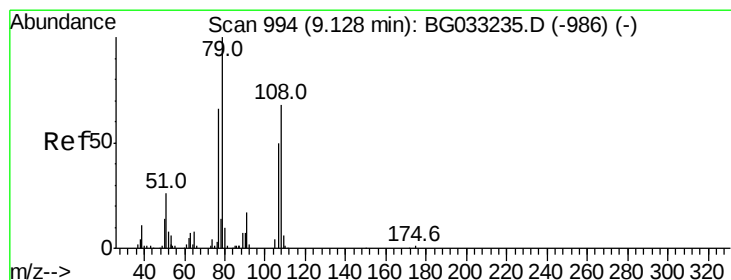
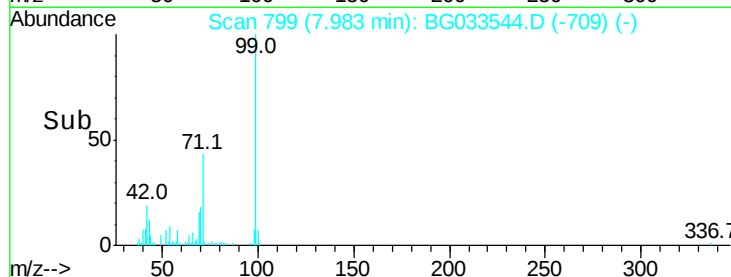
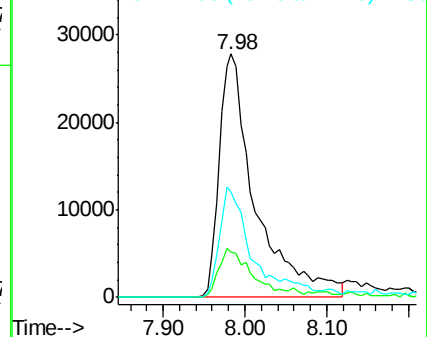
71 43.5 26.1 39.1#



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



#15

Benzyl Alcohol

Concen: 2.793 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.09 min

Lab File: BG033544.D

Acq: 4 Apr 2018 4:28

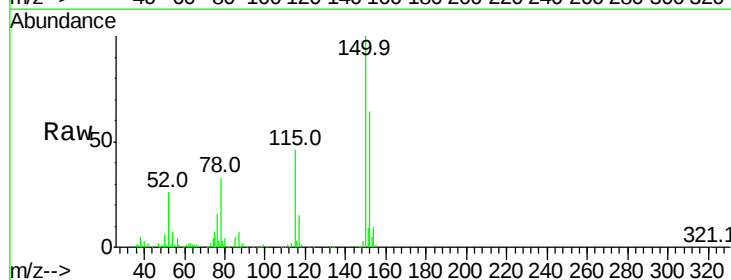
Tgt Ion: 79 Resp: 5743

Ion Ratio Lower Upper

79 100

108 17.6 57.2 85.8#

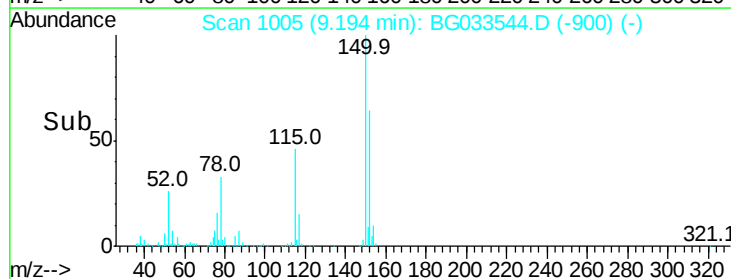
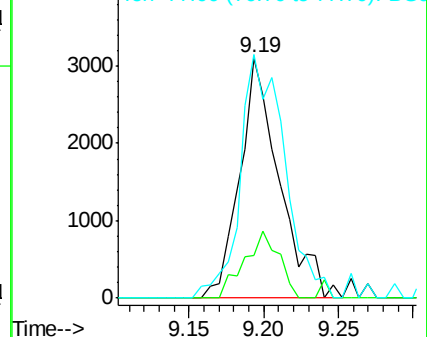
77 101.3 46.1 69.1#

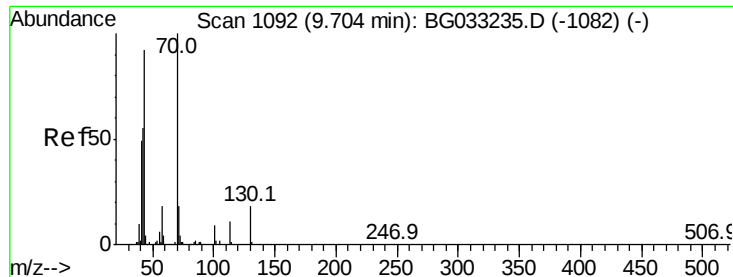


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

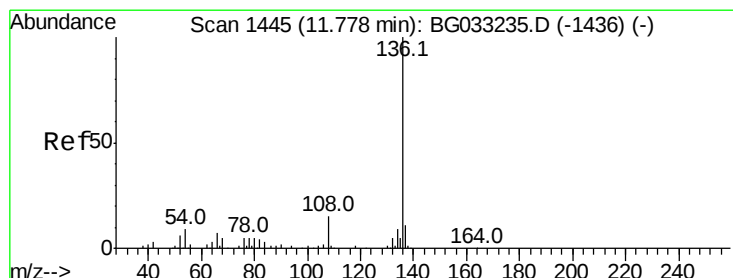
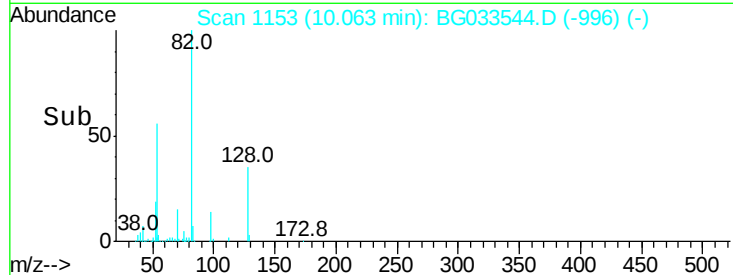
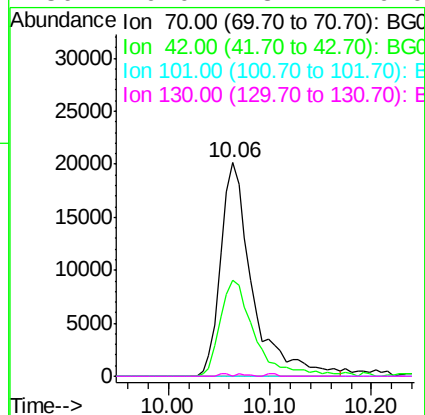
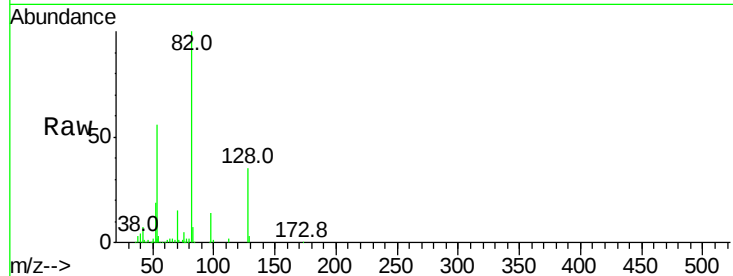




#19
n-Nitroso-di-n-propylamine
Concen: 22.975 ng
RT: 10.06 min Scan# 1153
Delta R.T. 0.39 min
Lab File: BG033544.D
Acq: 4 Apr 2018 4:28

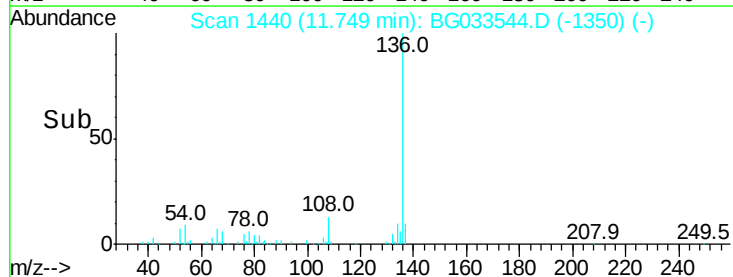
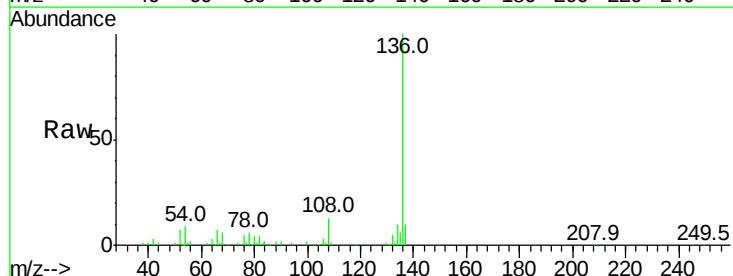
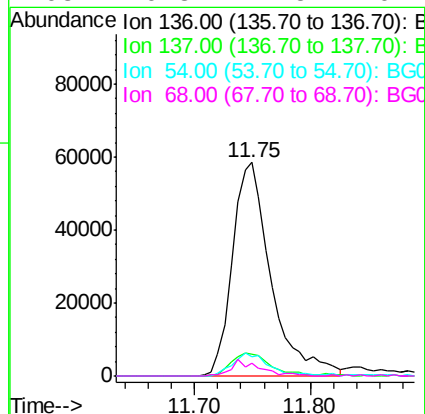
Instrument :
BNA_G
ClientSampleId :

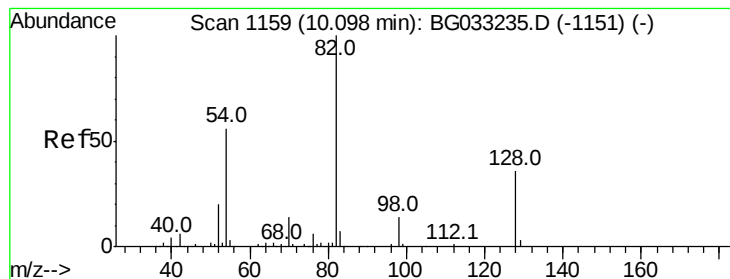
Tot Ion: 70 Resp: 43965
Ion Ratio Lower Upper
70 100
42 44.7 49.1 73.7#
101 0.0 8.5 12.7#
130 0.0 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.75 min Scan# 1440
Delta R.T. 0.00 min
Lab File: BG033544.D
Acq: 4 Apr 2018 4:28

Tgt Ion: 136 Resp: 135527
Ion Ratio Lower Upper
136 100
137 10.5 9.2 13.8
54 9.3 10.3 15.5#
68 6.3 4.5 6.7





#23

Nitrobenzene-d5

Concen: 109.937 ng

RT: 10.06 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BG033544.D

Acq: 4 Apr 2018 4:28

Instrument :

BNA_G

ClientSampleId :

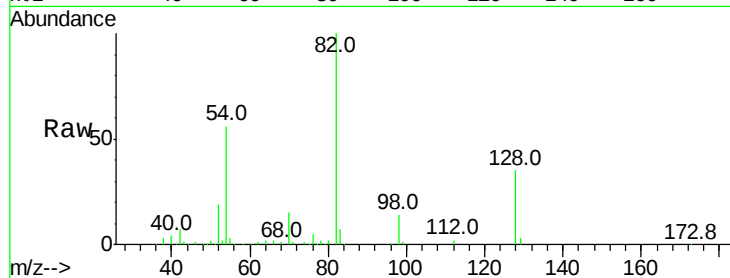
Tot Ion: 82 Resp: 324296

Ion	Ratio	Lower	Upper
82	100		
128	35.2	29.7	44.5
54	55.7	43.1	64.7

82 100

128 35.2 29.7 44.5

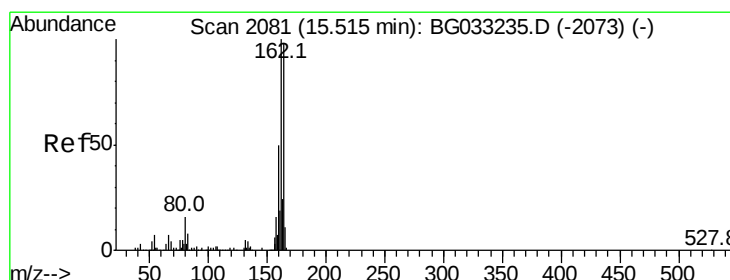
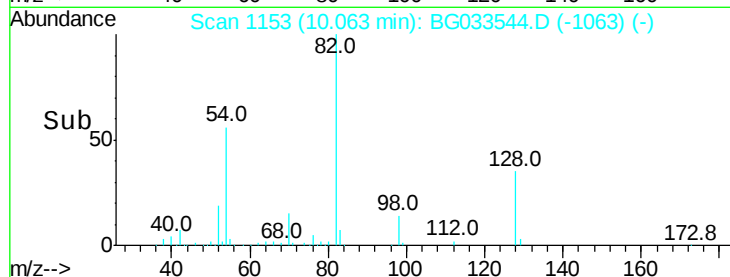
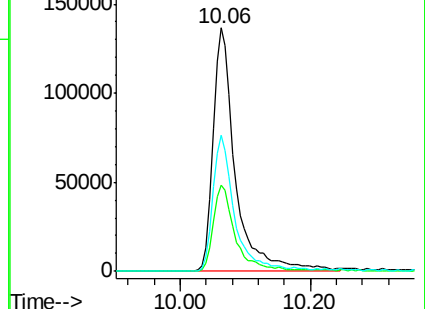
54 55.7 43.1 64.7



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: 15.48 min Scan# 2075

Delta R.T. 0.00 min

Lab File: BG033544.D

Acq: 4 Apr 2018 4:28

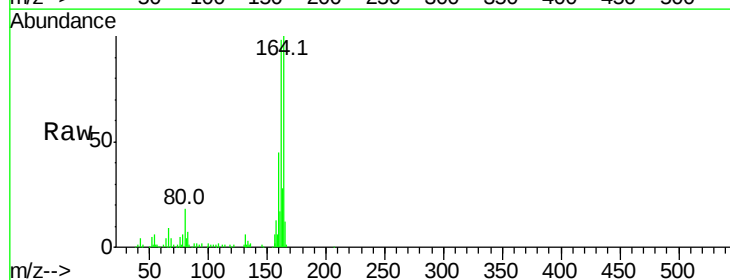
Tgt Ion: 164 Resp: 120697

Ion	Ratio	Lower	Upper
164	100		
162	97.8	78.8	118.2
160	44.6	35.4	53.0

164 100

162 97.8 78.8 118.2

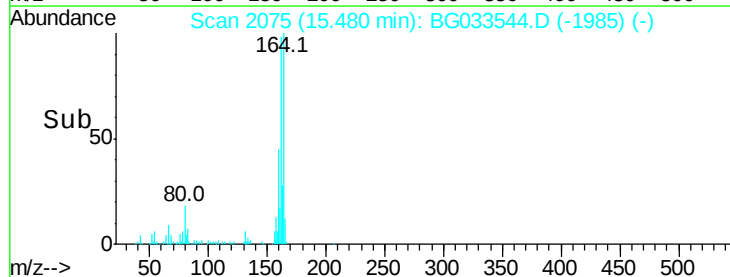
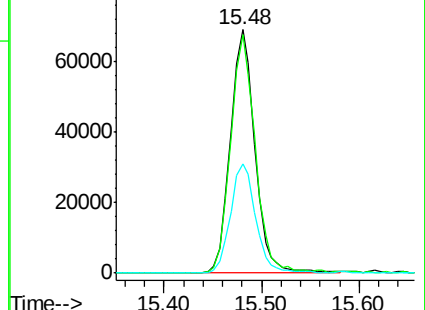
160 44.6 35.4 53.0

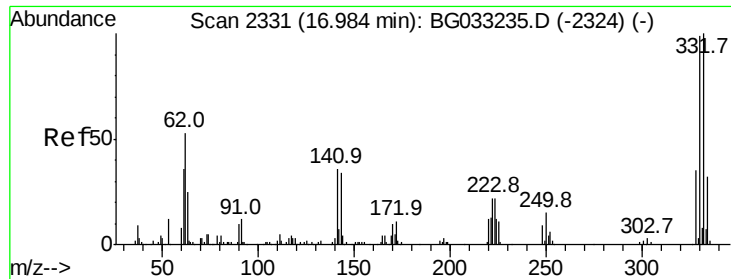


Abundance Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

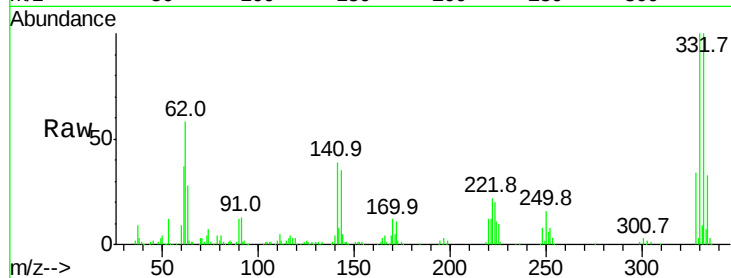




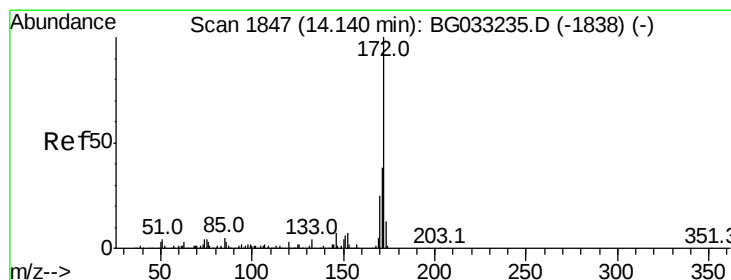
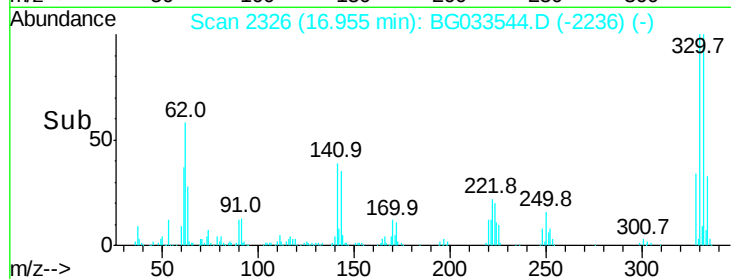
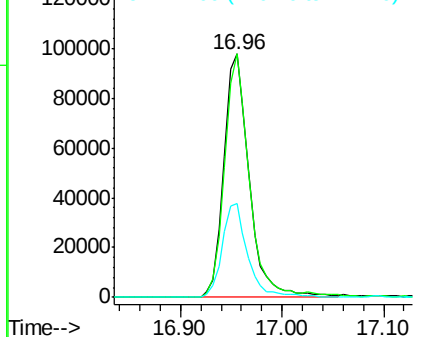
#41
 2,4,6-Tribromophenol
 Concen: 94.219 ng
 RT: 16.96 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: BG033544.D
 Acq: 4 Apr 2018 4:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 170080
 Ion Ratio Lower Upper
 330 100
 332 98.2 77.0 115.6
 141 38.9 25.2 37.8#

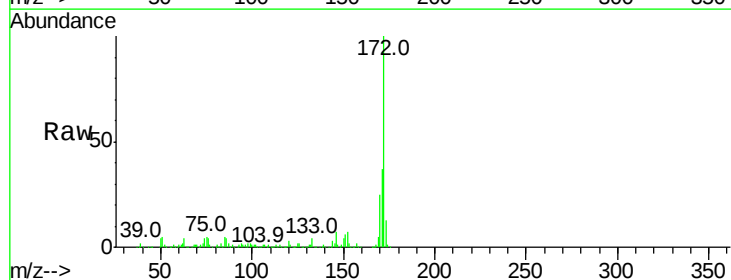


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

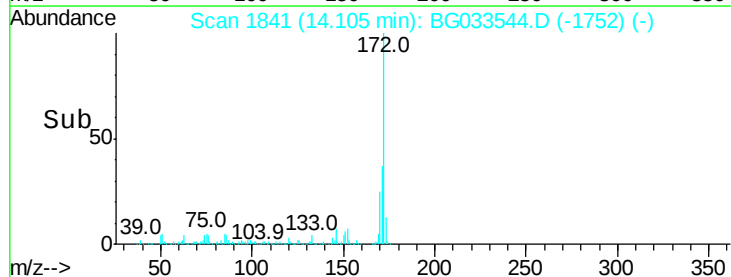
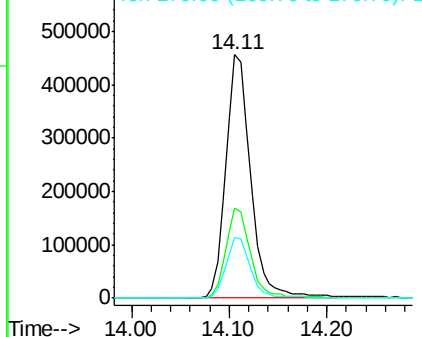


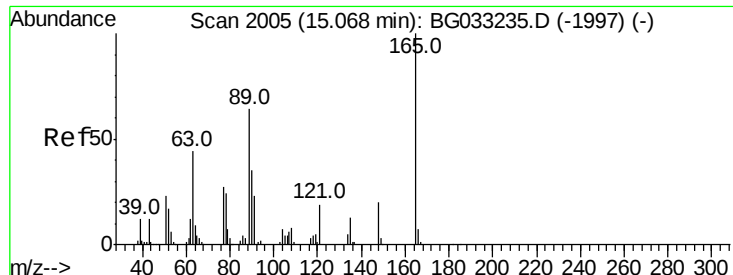
#44
 2-Fluorobiphenyl
 Concen: 96.815 ng
 RT: 14.11 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BG033544.D
 Acq: 4 Apr 2018 4:28

Tgt Ion:172 Resp: 809436
 Ion Ratio Lower Upper
 172 100
 171 37.0 30.0 45.0
 170 24.7 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

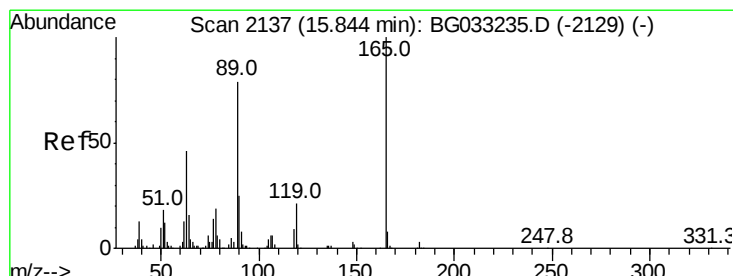
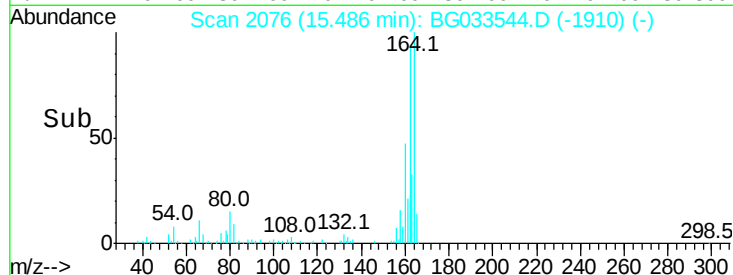
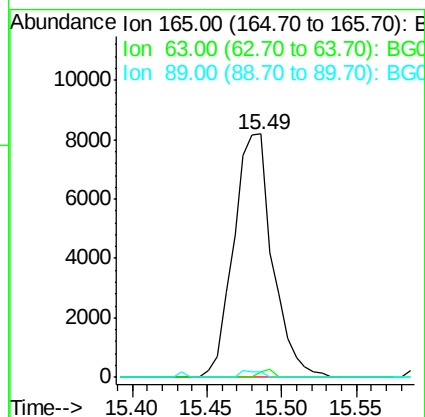
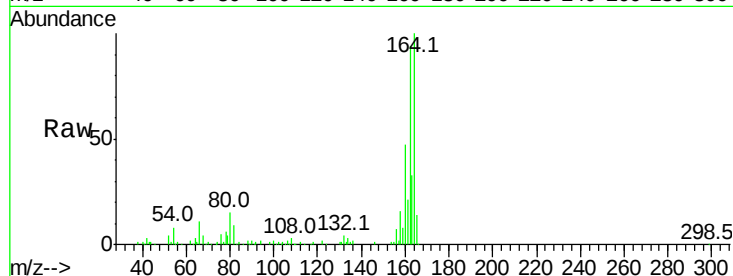




#50
 2,6-Dinitrotoluene
 Concen: 6.911 ng
 RT: 15.49 min Scan# 2076
 Delta R.T. 0.45 min
 Lab File: BG033544.D
 Acq: 4 Apr 2018 4:28

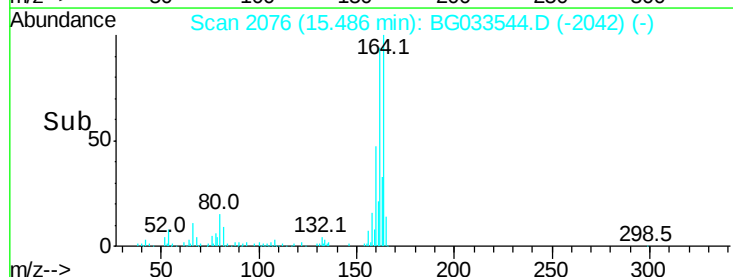
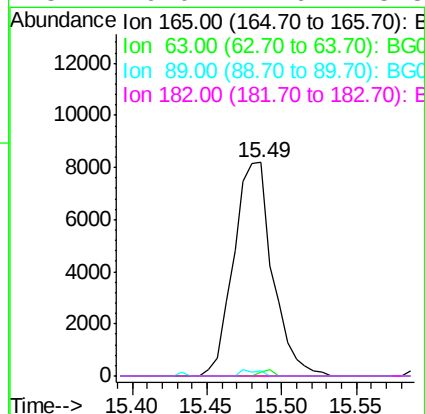
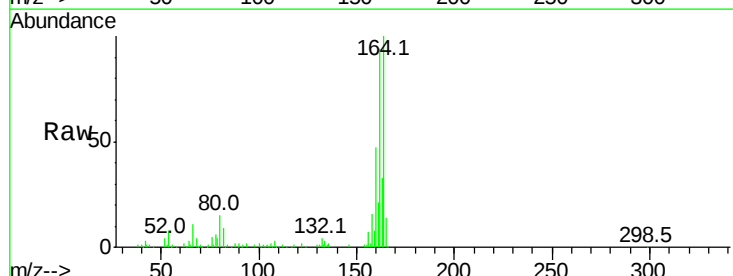
Instrument :
 BNA_G
 ClientSampleId :

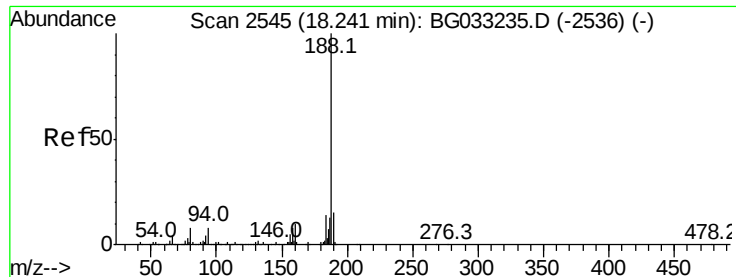
Tot Ion:165 Resp: 14844
 Ion Ratio Lower Upper
 165 100
 63 2.0 52.7 79.1#
 89 2.4 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 4.694 ng
 RT: 15.49 min Scan# 2076
 Delta R.T. -0.33 min
 Lab File: BG033544.D
 Acq: 4 Apr 2018 4:28

Tgt Ion:165 Resp: 14844
 Ion Ratio Lower Upper
 165 100
 63 2.0 42.0 63.0#
 89 2.4 66.9 100.3#
 182 0.0 2.6 3.8#

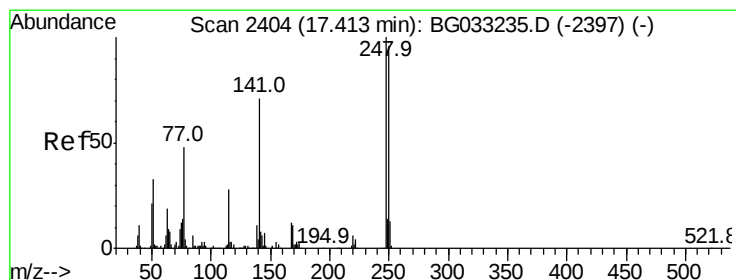
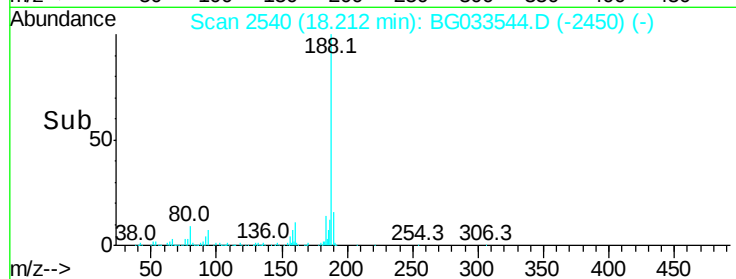
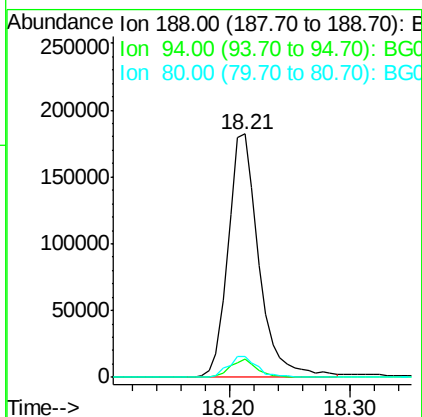
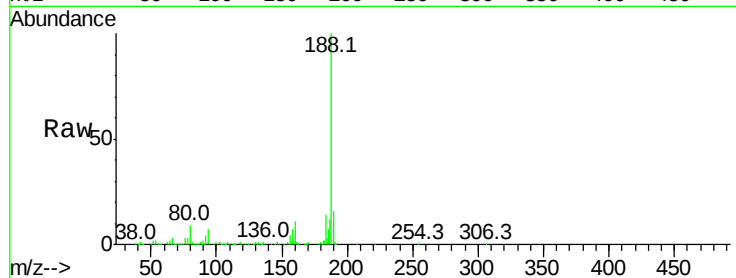




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.21 min Scan# 2540
 Delta R.T. 0.00 min
 Lab File: BG033544.D
 Acq: 4 Apr 2018 4:28

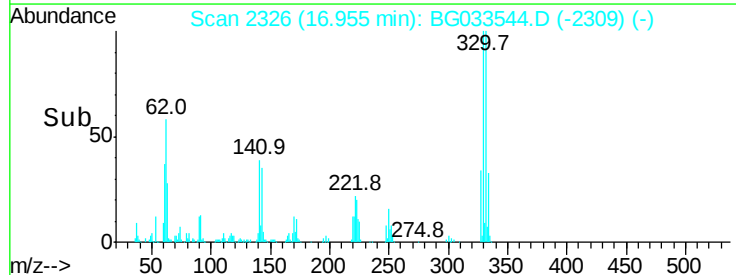
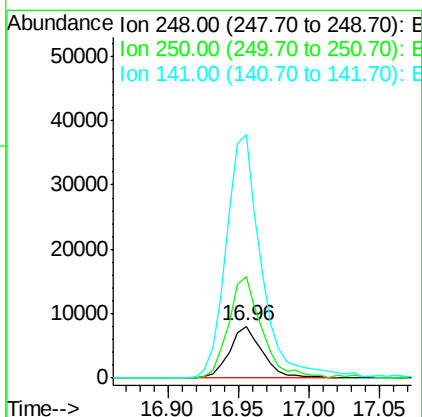
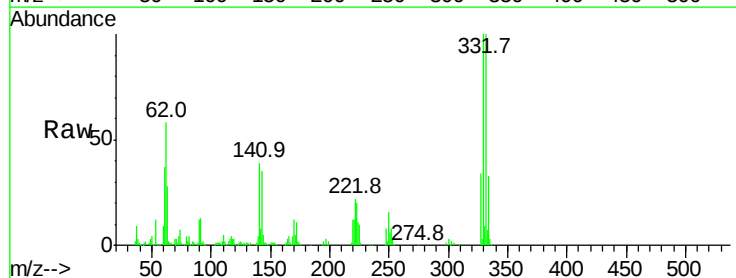
Instrument :
 BNA_G
 ClientSampled :

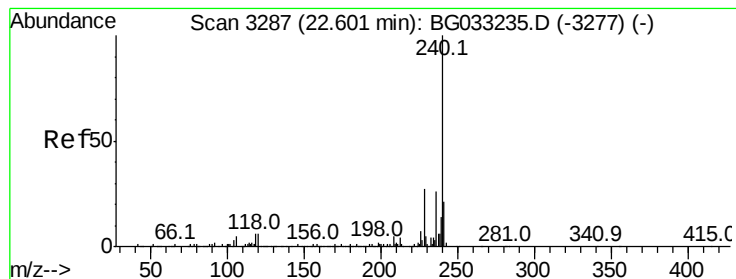
Tot Ion	Ratio	Lower	Upper
188	100		
94	7.4	6.9	10.3
80	8.7	7.7	11.5



#66
 4-Bromophenyl-phenylether
 Concen: 3.432 ng
 RT: 16.96 min Scan# 2326
 Delta R.T. -0.43 min
 Lab File: BG033544.D
 Acq: 4 Apr 2018 4:28

Tgt Ion	Ratio	Lower	Upper
248	100		
250	196.1	77.1	115.7#
141	469.4	50.8	76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3279

Delta R.T. 0.00 min

Lab File: BG033544.D

Acq: 4 Apr 2018 4:28

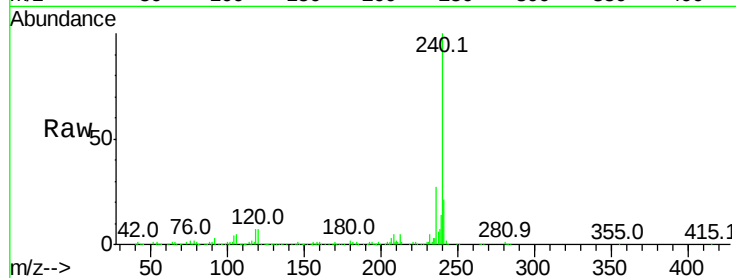
Instrument :

BNA_G

ClientSampleId :

Tot Ion:240 Resp: 320670

Ion	Ratio	Lower	Upper
240	100		
120	7.4	6.8	10.2
236	26.7	20.9	31.3



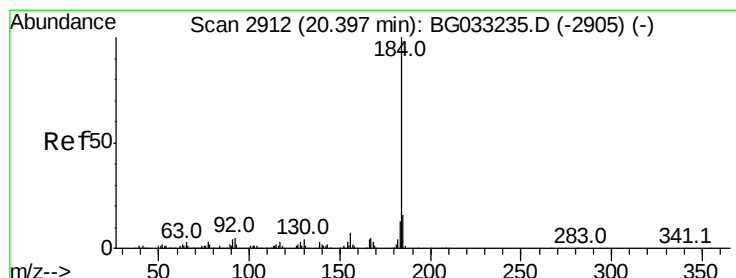
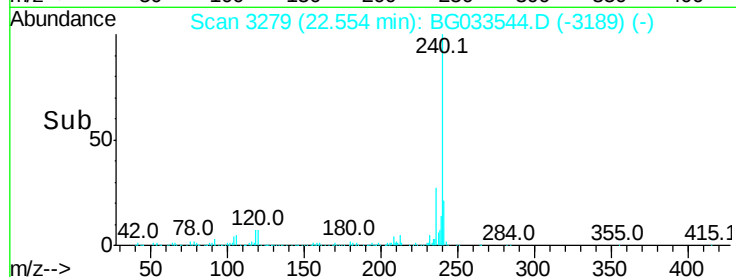
Abundance

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

Time-->



#76

Benzidine

Concen: 2.911 ng

RT: 20.73 min Scan# 2969

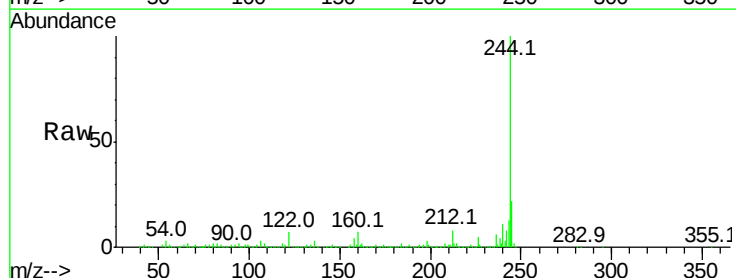
Delta R.T. 0.37 min

Lab File: BG033544.D

Acq: 4 Apr 2018 4:28

Tgt Ion:184 Resp: 25317

Ion	Ratio	Lower	Upper
184	100		
185	13.6	11.1	16.7
183	9.1	10.6	16.0#



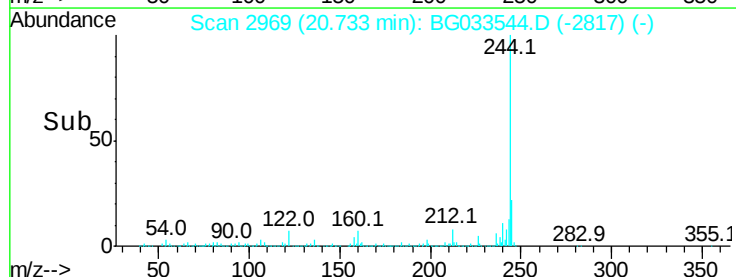
Abundance

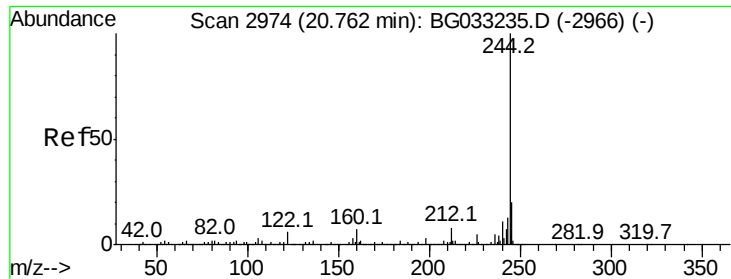
Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

Time-->



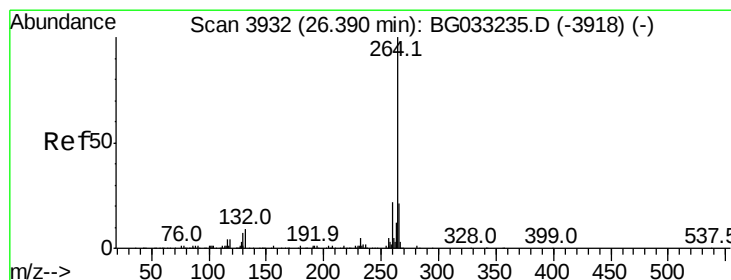
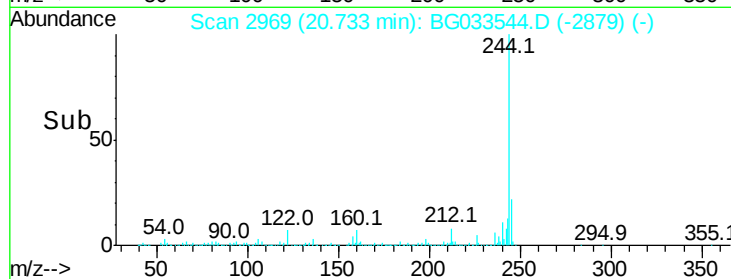
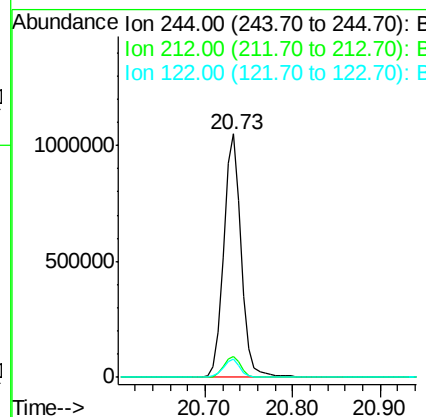
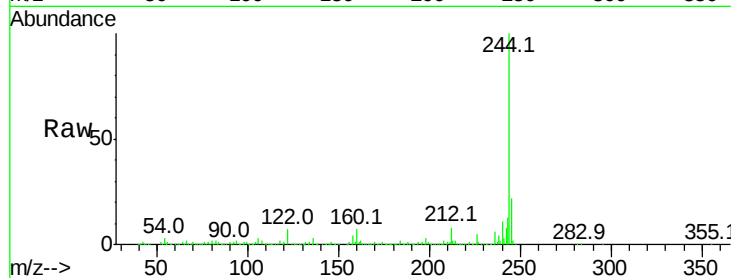


#78
 Terphenyl-d14
 Concen: 96.813 ng
 RT: 20.73 min Scan# 2969
 Delta R.T. 0.00 min
 Lab File: BG033544.D
 Acq: 4 Apr 2018 4:28

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:244 Resp: 1451655

Ion	Ratio	Lower	Upper
244	100		
212	8.4	5.8	8.8
122	7.3	7.0	10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.33 min Scan# 3921
 Delta R.T. 0.01 min
 Lab File: BG033544.D
 Acq: 4 Apr 2018 4:28

Tgt Ion:264 Resp: 337961

Ion	Ratio	Lower	Upper
264	100		
260	24.7	17.4	26.0
265	18.6	17.7	26.5

