

Data Path : U:\HPCHEM1\BNA G\DATA\BG020118\
 Data File : BG032499.D
 Acq On : 1 Feb 2018 21:00
 Operator : SJ/JU
 Sample : J1405-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 02 02:50:18 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

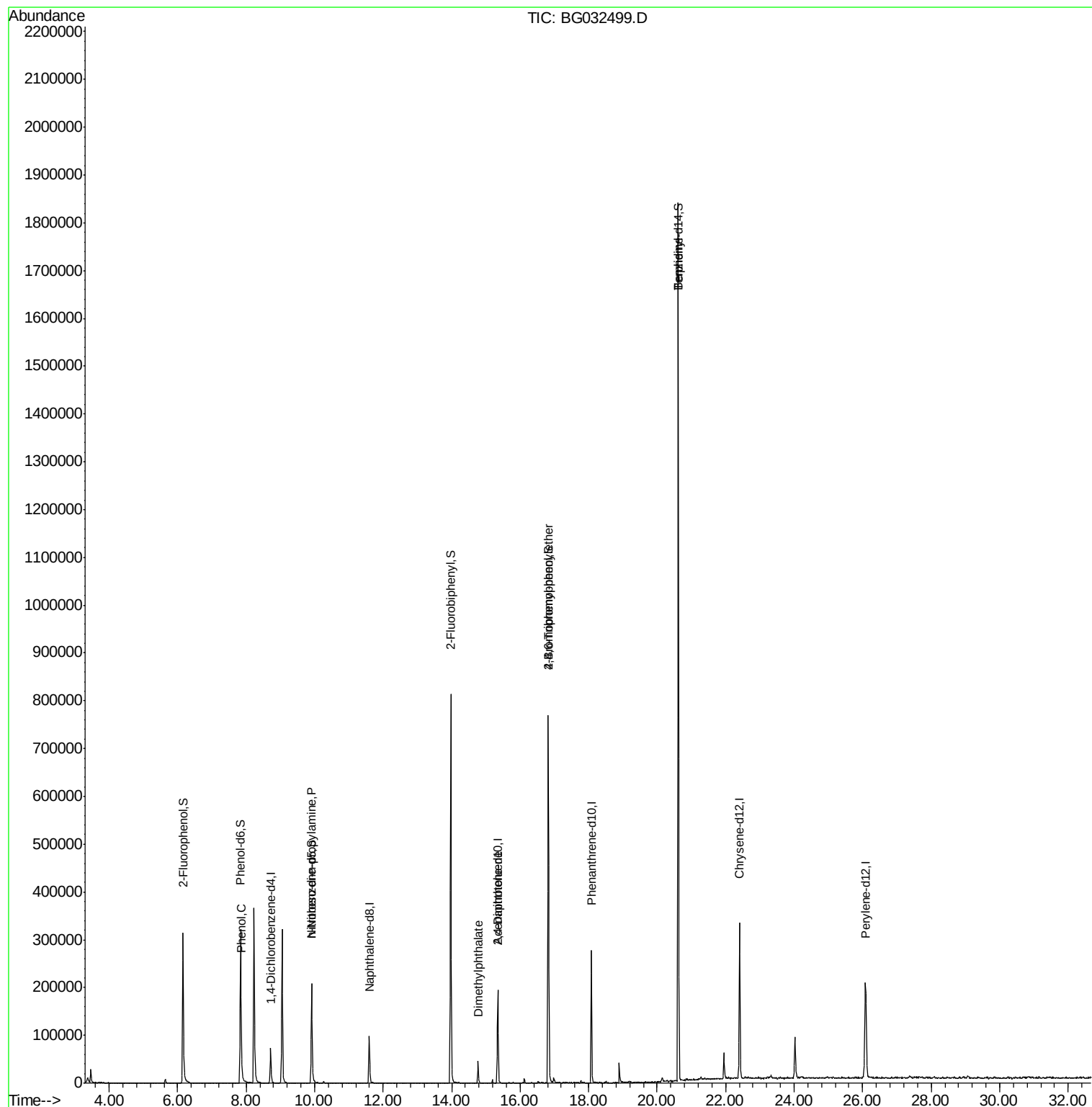
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.71	152	27744	20.00	ng	0.00
21) Naphthalene-d8	11.59	136	103348	20.00	ng	0.00
38) Acenaphthene-d10	15.35	164	75170	20.00	ng	0.00
63) Phenanthrene-d10	18.08	188	201767	20.00	ng	0.00
75) Chrysene-d12	22.41	240	251416	20.00	ng	0.00
86) Perylene-d12	26.09	264	278080	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.15	112	183538	132.87	ng	0.00
7) Phenol-d6	7.84	99	229088	124.29	ng	0.00
23) Nitrobenzene-d5	9.91	82	144653	87.42	ng	0.00
41) 2,4,6-Tribromophenol	16.82	330	191819	134.06	ng	-0.01
44) 2-Fluorobiphenyl	13.97	172	510890	80.78	ng	-0.01
78) Terphenyl-d14	20.62	244	947789	80.75	ng	0.00
Target Compounds						
10) Phenol	7.86	94	4162	2.378	ng	# 1
19) n-Nitroso-di-n-propylamine	9.91	70	20549	16.814	ng	# 77
49) Dimethylphthalate	14.77	163	37891	5.467	ng	# 97
56) 2,4-Dinitrotoluene	15.35	165	10054	4.854	ng	# 16
66) 4-Bromophenyl-phenylether	16.82	248	15405	5.154	ng	# 1
76) Benzidine	20.62	184	13687	2.772	ng	96

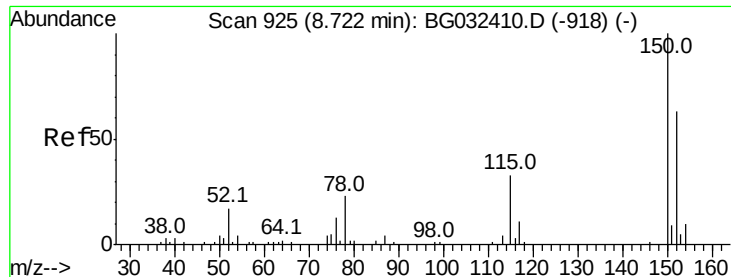
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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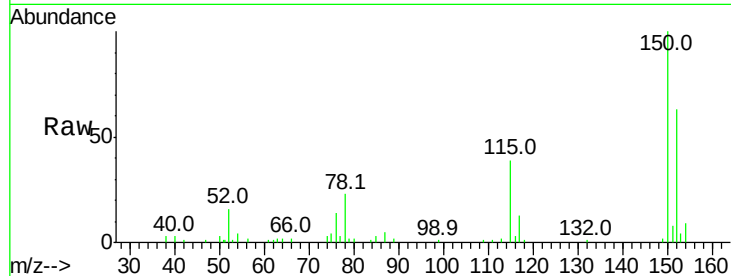


#1

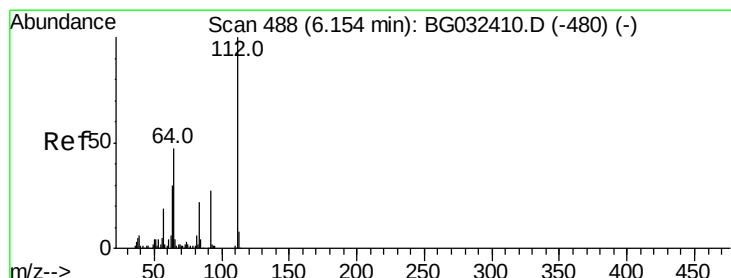
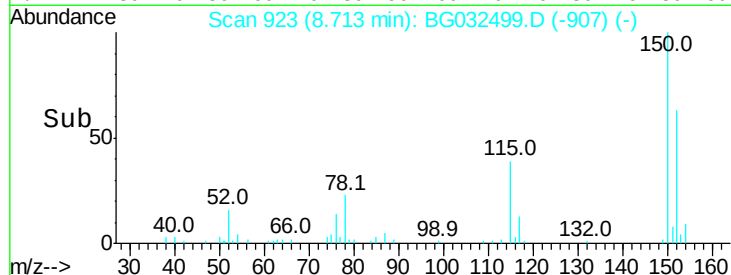
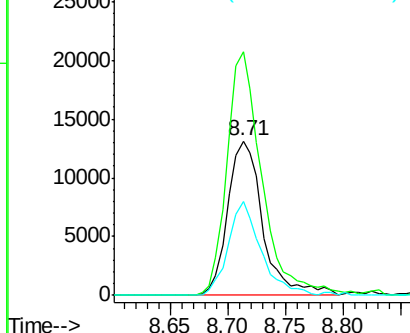
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.71 min Scan# 923
Delta R.T. -0.01 min
Lab File: BG032499.D
Acq: 1 Feb 2018 21:00

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 27744
Ion Ratio Lower Upper
152 100
150 157.9 126.6 189.8
115 60.9 53.0 79.4



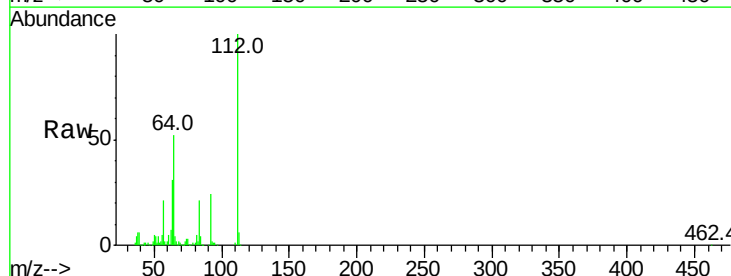
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



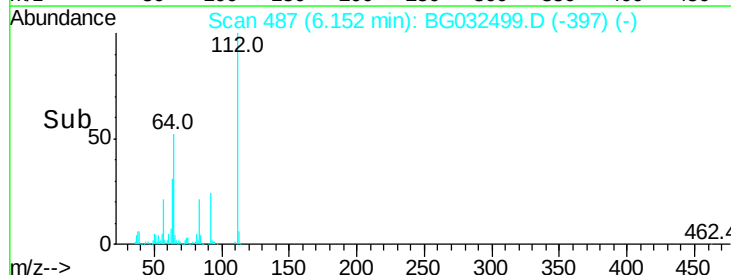
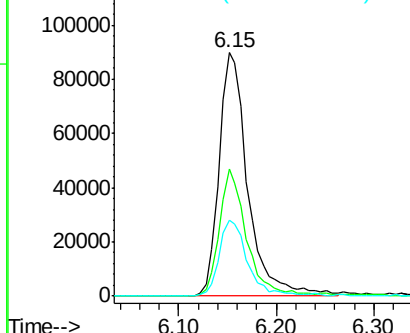
#5

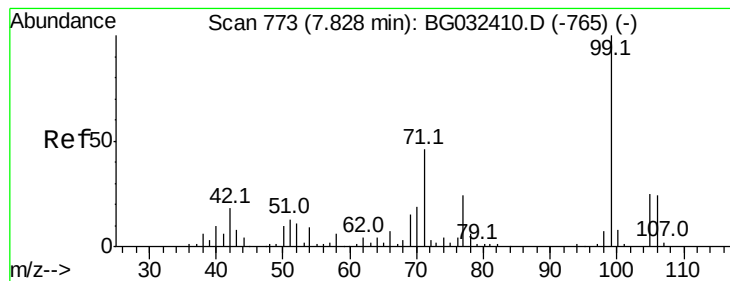
2-Fluorophenol
Concen: 132.874 ng
RT: 6.15 min Scan# 487
Delta R.T. -0.00 min
Lab File: BG032499.D
Acq: 1 Feb 2018 21:00

Tgt Ion:112 Resp: 183538
Ion Ratio Lower Upper
112 100
64 52.4 56.3 84.5#
63 31.4 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: 124.287 ng

RT: 7.84 min Scan# 774

Delta R.T. 0.01 min

Lab File: BG032499.D

Acq: 1 Feb 2018 21:00

Instrument :

BNA_G

ClientSampleId :

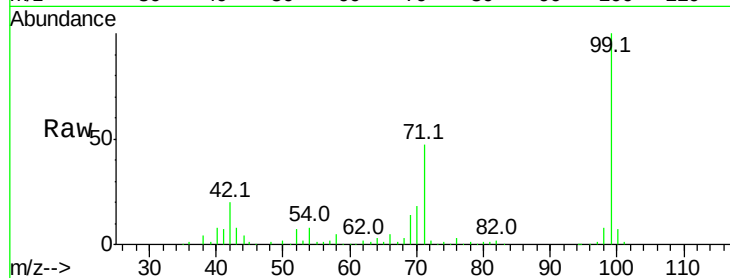
Tot Ion: 99 Resp: 229088

Ion Ratio Lower Upper

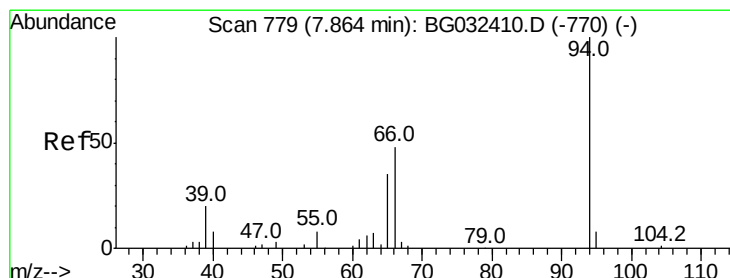
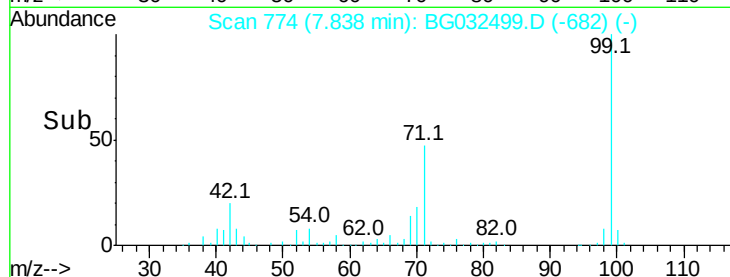
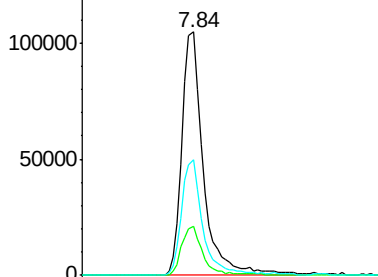
99 100

42 20.0 14.1 21.1

71 47.5 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



#10

Phenol

Concen: 2.378 ng

RT: 7.86 min Scan# 777

Delta R.T. -0.01 min

Lab File: BG032499.D

Acq: 1 Feb 2018 21:00

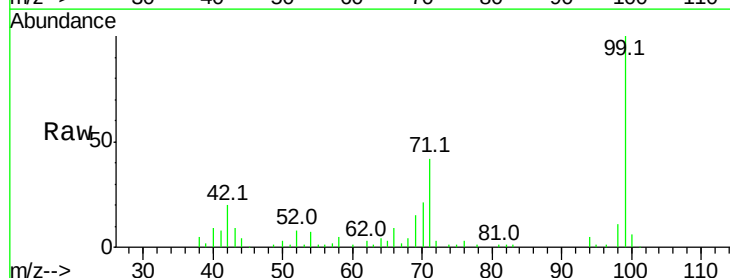
Tgt Ion: 94 Resp: 4162

Ion Ratio Lower Upper

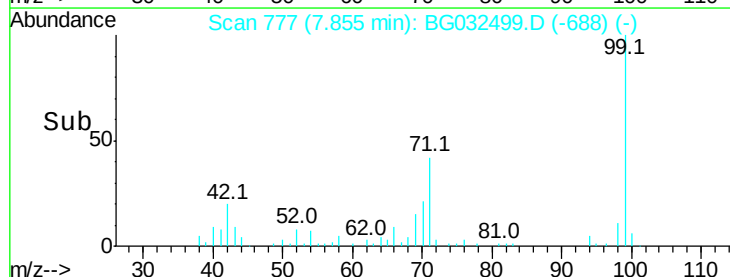
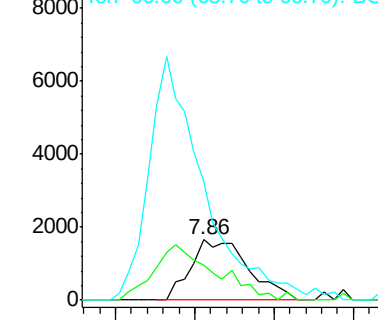
94 100

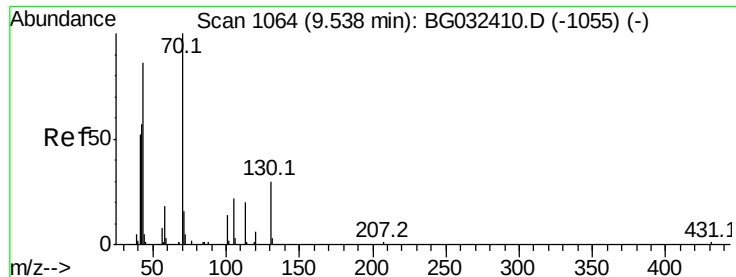
65 57.7 11.9 51.9#

66 196.1 22.2 62.2#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

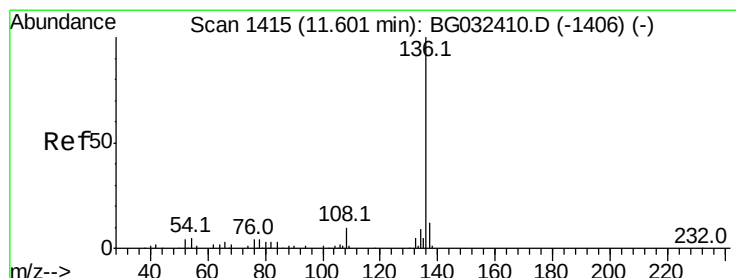
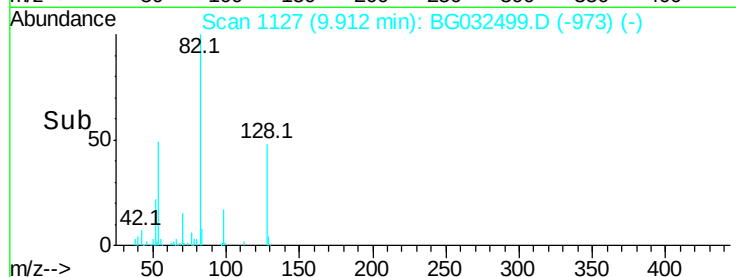
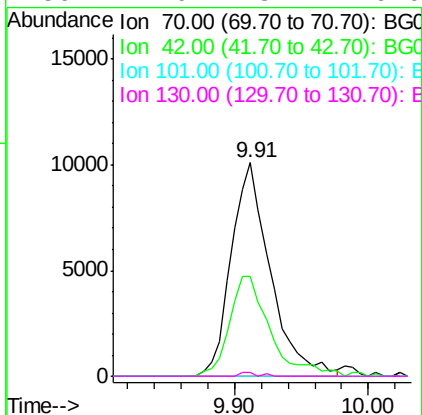
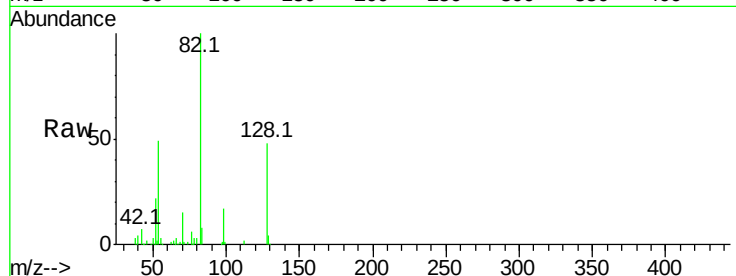




#19
n-Nitroso-di-n-propylamine
Concen: 16.814 ng
RT: 9.91 min Scan# 1127
Delta R.T. 0.37 min
Lab File: BG032499.D
Acq: 1 Feb 2018 21:00

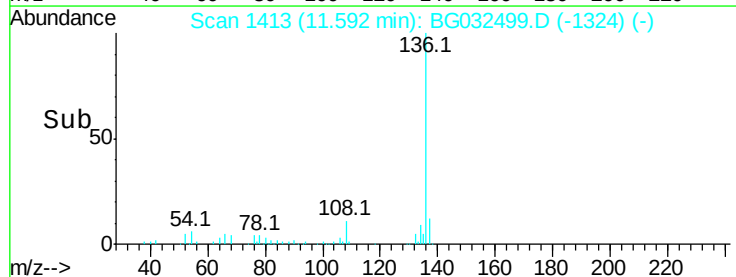
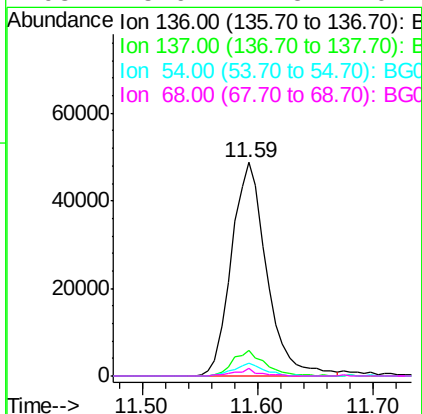
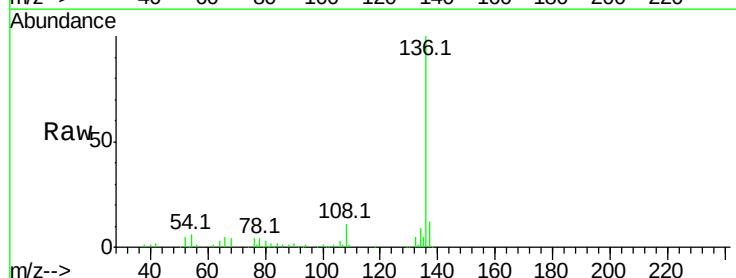
Instrument :
BNA_G
ClientSampleId :

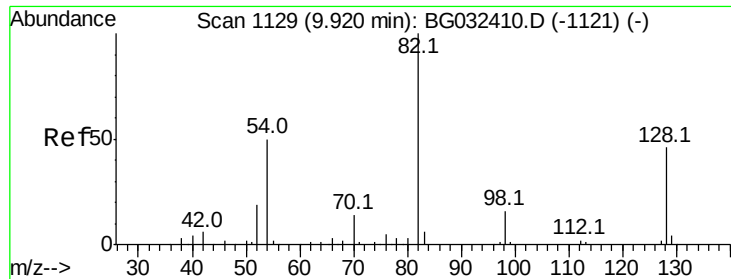
Tot Ion	Ratio	Lower	Upper
70	100		
42	46.9	49.1	73.7#
101	0.0	8.5	12.7#
130	1.6	13.4	20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.59 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BG032499.D
Acq: 1 Feb 2018 21:00

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.2	13.8
54	5.7	10.3	15.5#
68	3.9	4.5	6.7#

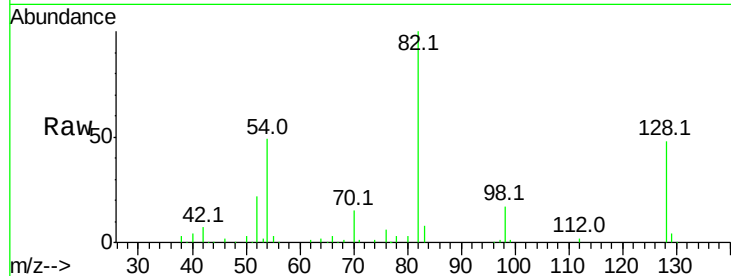




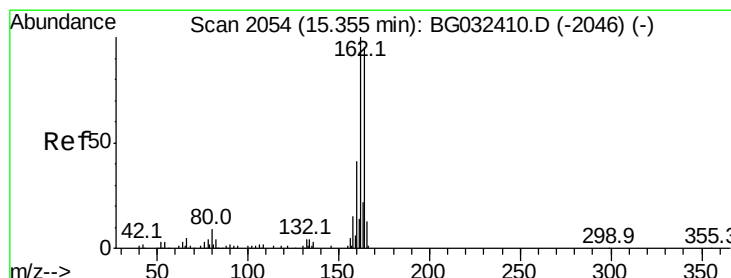
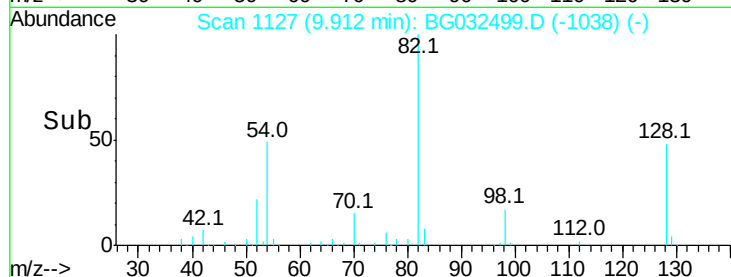
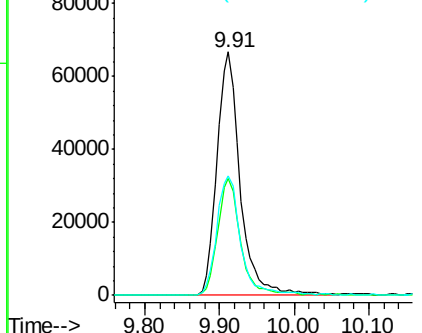
#23
 Nitrobenzene-d5
 Concen: 87.424 ng
 RT: 9.91 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: BG032499.D
 Acq: 1 Feb 2018 21:00

Instrument :
 BNA_G
 ClientSampled :

Tot Ion: 82 Resp: 144653
 Ion Ratio Lower Upper
 82 100
 128 48.0 29.7 44.5#
 54 49.1 43.1 64.7

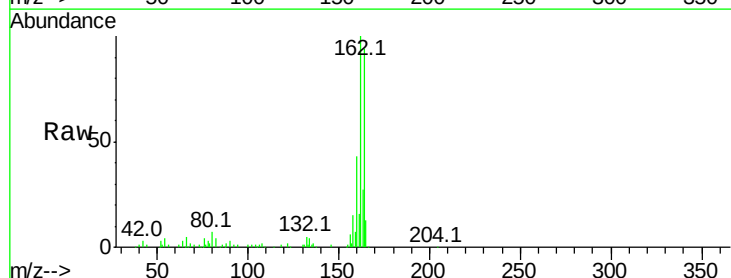


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

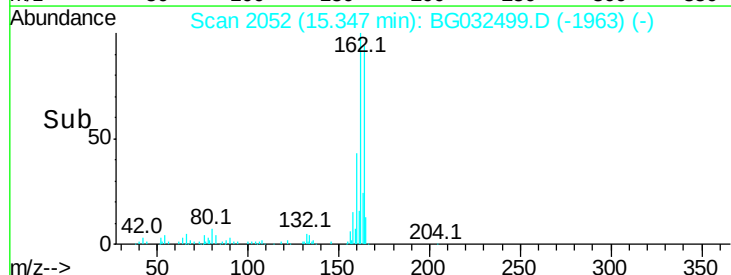
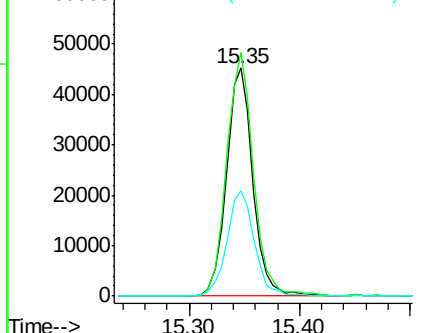


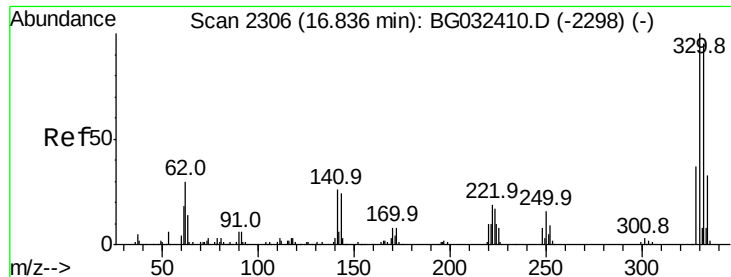
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.35 min Scan# 2052
 Delta R.T. -0.01 min
 Lab File: BG032499.D
 Acq: 1 Feb 2018 21:00

Tgt Ion:164 Resp: 75170
 Ion Ratio Lower Upper
 164 100
 162 106.7 78.8 118.2
 160 46.4 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: 134.058 ng

RT: 16.82 min Scan# 2303

Delta R.T. -0.01 min

Lab File: BG032499.D

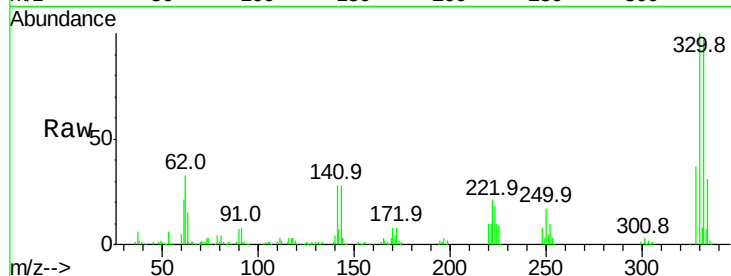
Acq: 1 Feb 2018 21:00

Instrument :

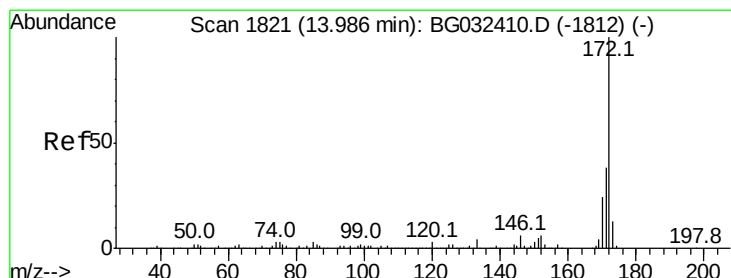
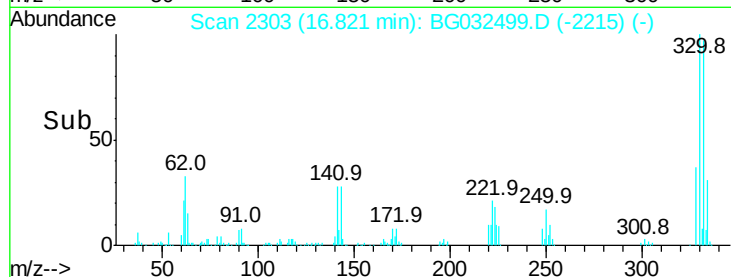
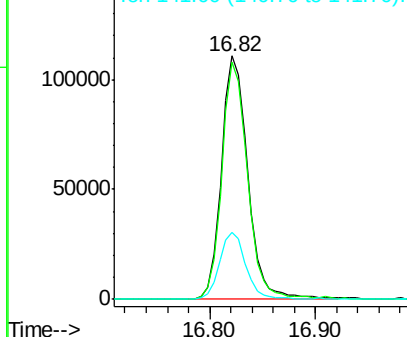
BNA_G

ClientSampled :

Tot Ion:	330	Resp:	191819
Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.0	115.6
141	27.8	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: 80.780 ng

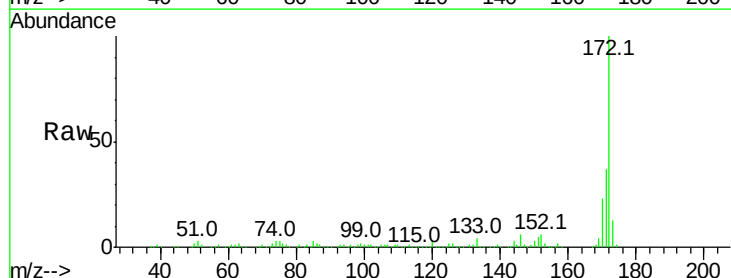
RT: 13.97 min Scan# 1818

Delta R.T. -0.01 min

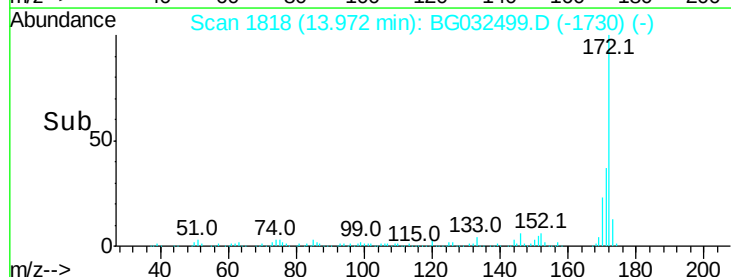
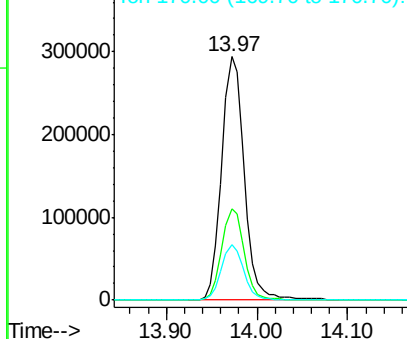
Lab File: BG032499.D

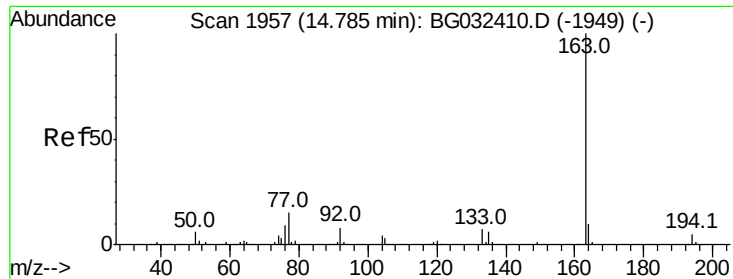
Acq: 1 Feb 2018 21:00

Tgt Ion:	172	Resp:	510890
Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.0	45.0
170	22.7	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





#49

Dimethylphthalate

Concen: 5.467 ng

RT: 14.77 min Scan# 1954

Delta R.T. -0.01 min

Lab File: BG032499.D

Acq: 1 Feb 2018 21:00

Instrument :

BNA_G

ClientSampleId :

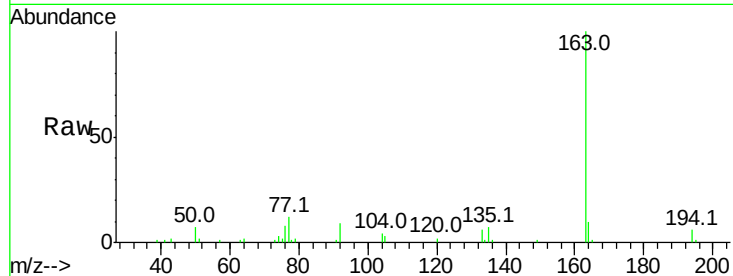
Tot Ion:163 Resp: 37891

Ion Ratio Lower Upper

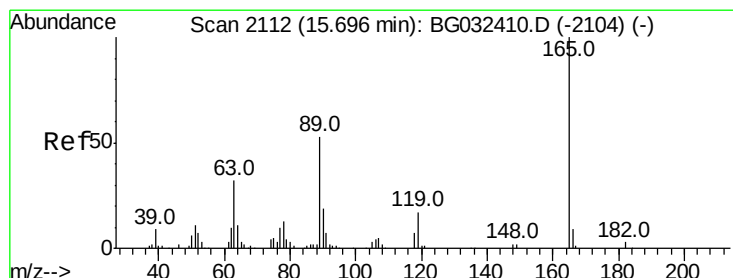
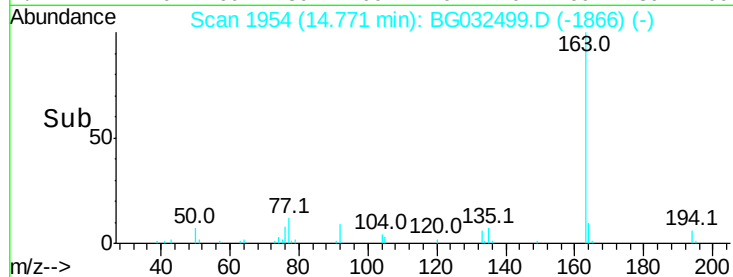
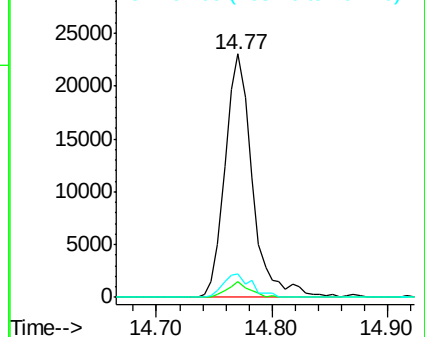
163 100

194 6.5 3.4 5.2#

164 9.7 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 4.854 ng

RT: 15.35 min Scan# 2052

Delta R.T. -0.35 min

Lab File: BG032499.D

Acq: 1 Feb 2018 21:00

Tgt Ion:165 Resp: 10054

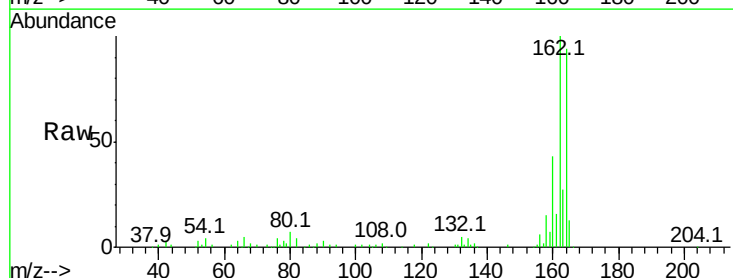
Ion Ratio Lower Upper

165 100

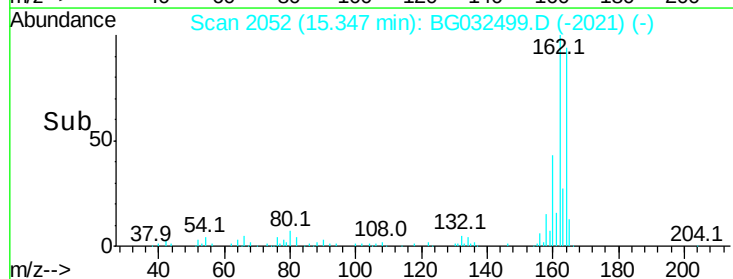
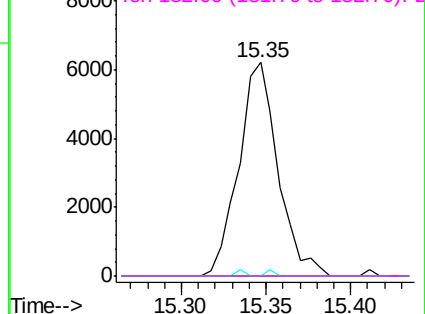
63 0.0 42.0 63.0#

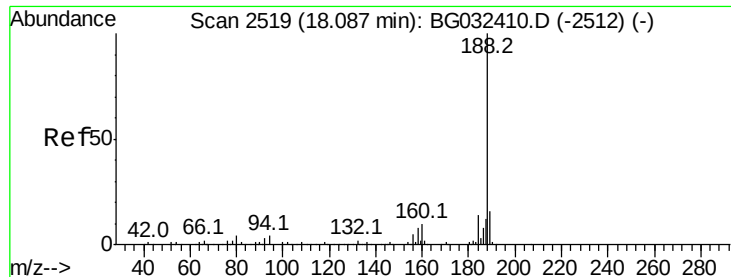
89 0.0 66.9 100.3#

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

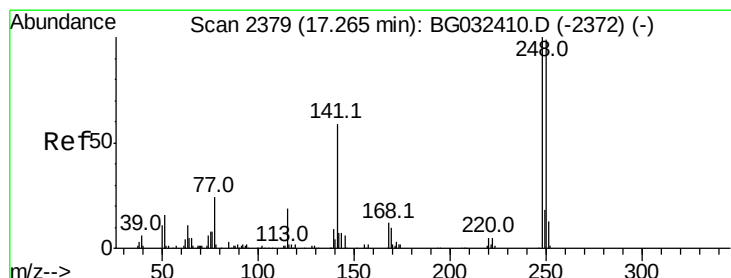
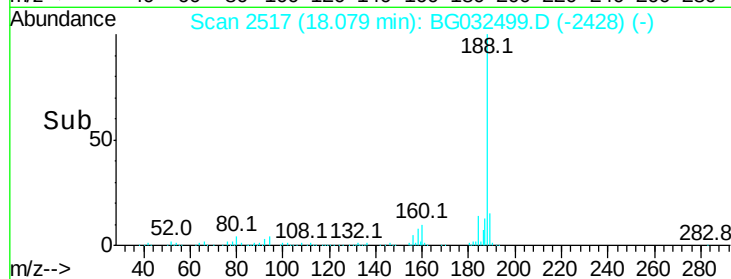
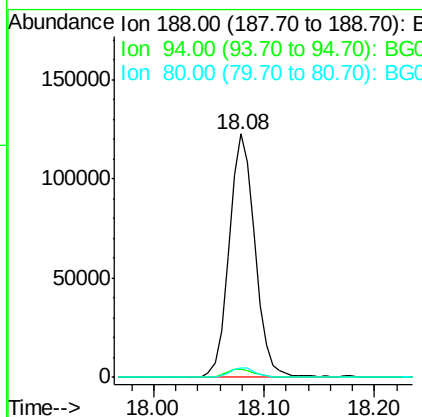
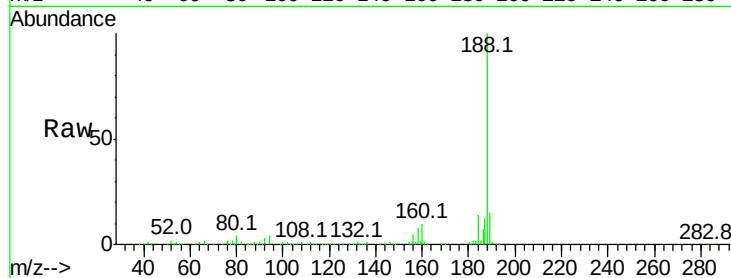




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.08 min Scan# 2517
 Delta R.T. -0.01 min
 Lab File: BG032499.D
 Acq: 1 Feb 2018 21:00

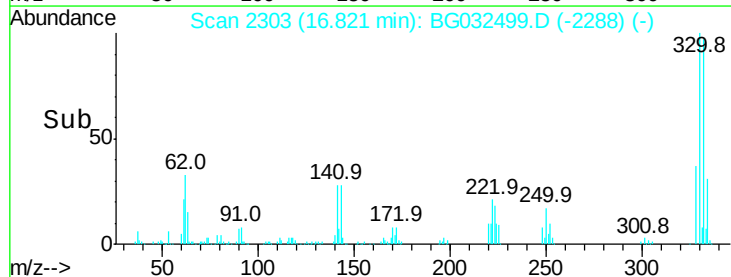
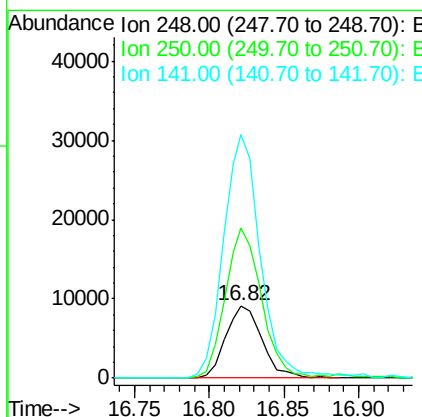
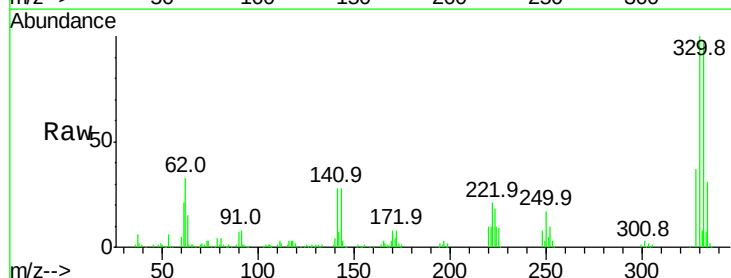
Instrument :
 BNA_G
 ClientSampleId :

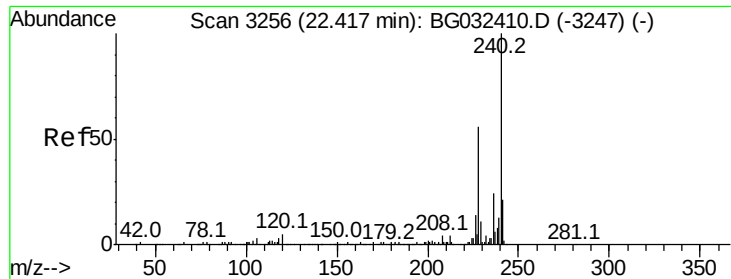
Tot Ion:188 Resp: 201767
 Ion Ratio Lower Upper
 188 100
 94 3.6 6.9 10.3#
 80 3.9 7.7 11.5#



#66
 4-Bromophenyl-phenylether
 Concen: 5.154 ng
 RT: 16.82 min Scan# 2303
 Delta R.T. -0.44 min
 Lab File: BG032499.D
 Acq: 1 Feb 2018 21:00

Tgt Ion:248 Resp: 15405
 Ion Ratio Lower Upper
 248 100
 250 206.6 77.1 115.7#
 141 335.1 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.41 min Scan# 3254

Delta R.T. -0.01 min

Lab File: BG032499.D

Acq: 1 Feb 2018 21:00

Instrument :

BNA_G

ClientSampleId :

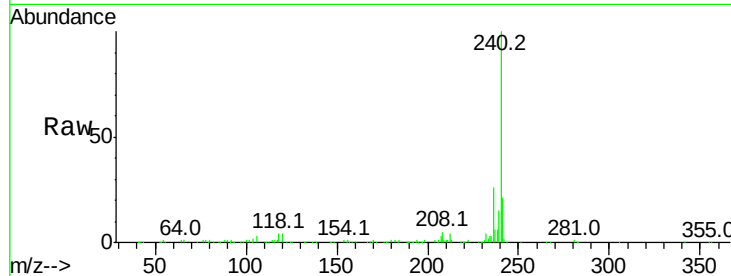
Tot Ion:240 Resp: 251416

Ion Ratio Lower Upper

240 100

120 3.7 6.8 10.2#

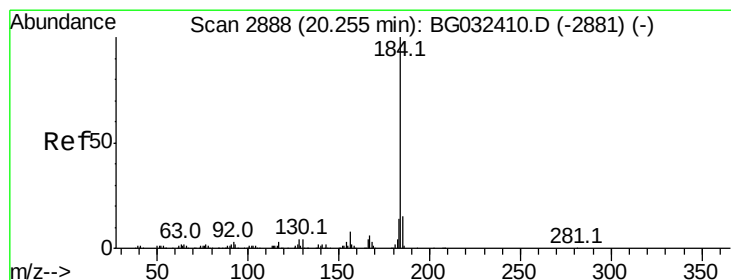
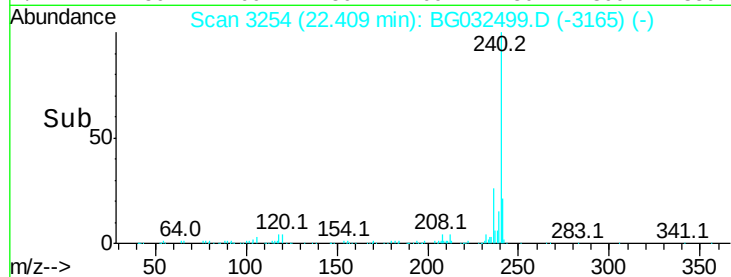
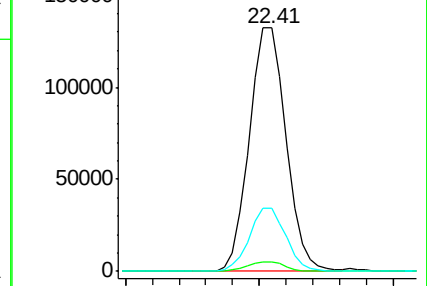
236 26.0 20.9 31.3



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: 2.772 ng

RT: 20.62 min Scan# 2949

Delta R.T. 0.36 min

Lab File: BG032499.D

Acq: 1 Feb 2018 21:00

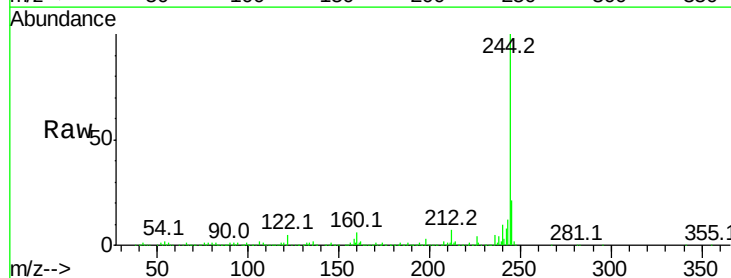
Tgt Ion:184 Resp: 13687

Ion Ratio Lower Upper

184 100

185 16.3 11.1 16.7

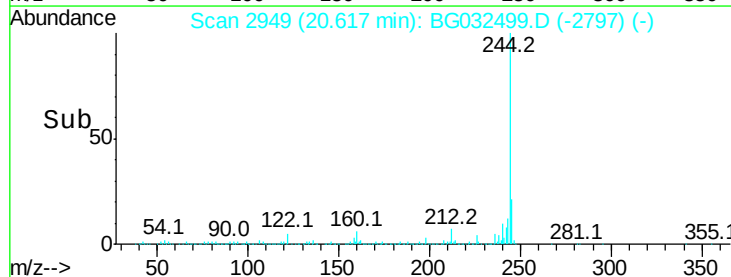
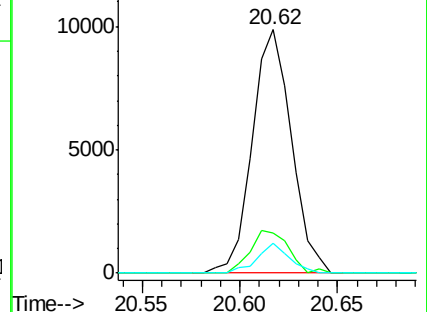
183 12.4 10.6 16.0

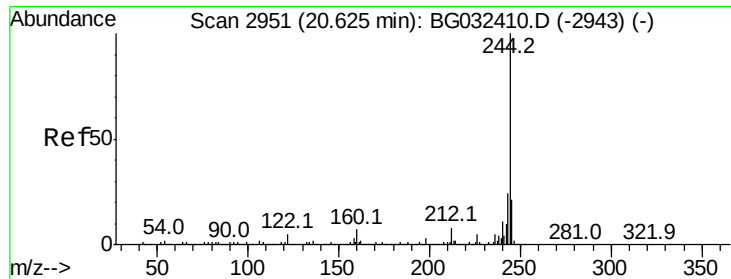


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 80.752 ng

RT: 20.62 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BG032499.D

Acq: 1 Feb 2018 21:00

Instrument :

BNA_G

ClientSampleId :

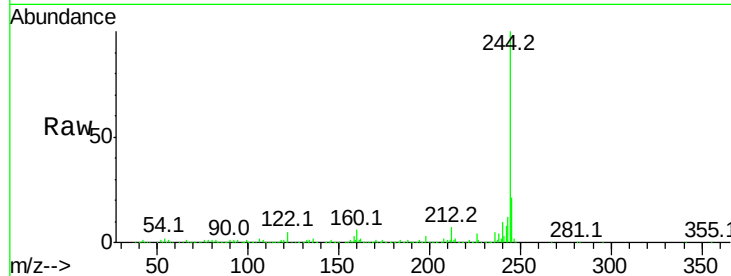
Tot Ion:244 Resp: 947789

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

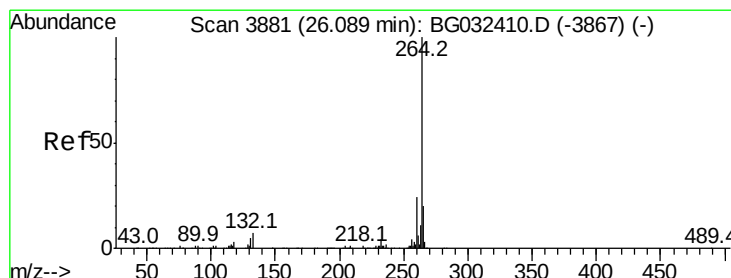
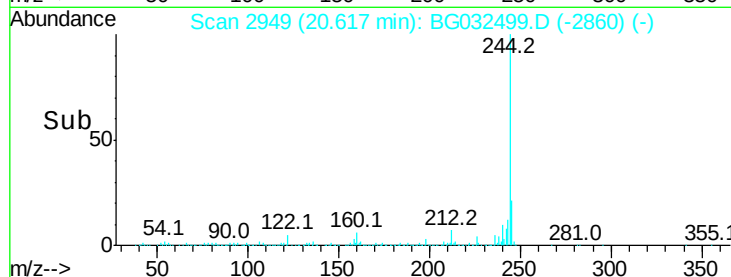
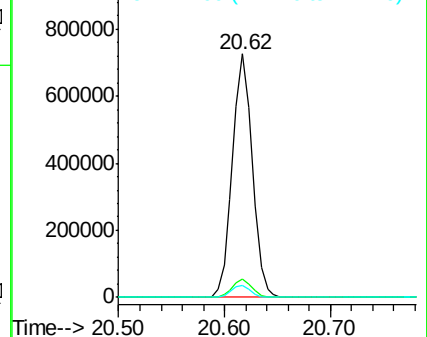
122 5.0 7.0 10.4#



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: BG032499.D

Acq: 1 Feb 2018 21:00

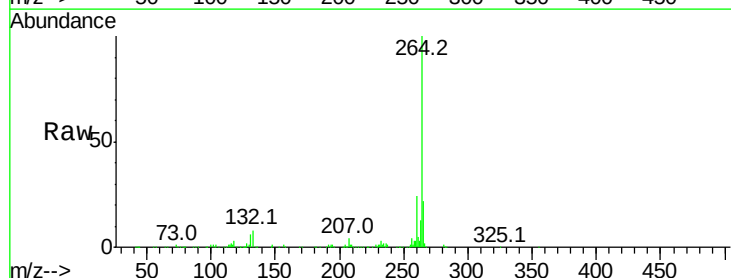
Tgt Ion:264 Resp: 278080

Ion Ratio Lower Upper

264 100

260 24.3 17.4 26.0

265 22.2 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

