

Data Path : Z:\HPCHEM1\BNA G\DATA\BG050218\
 Data File : BG034122.D
 Acq On : 2 May 2018 18:51
 Operator : SJ/JU
 Sample : J2157-14
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 03 04:45:49 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 01 19:08:03 2018
 Response via : Initial Calibration

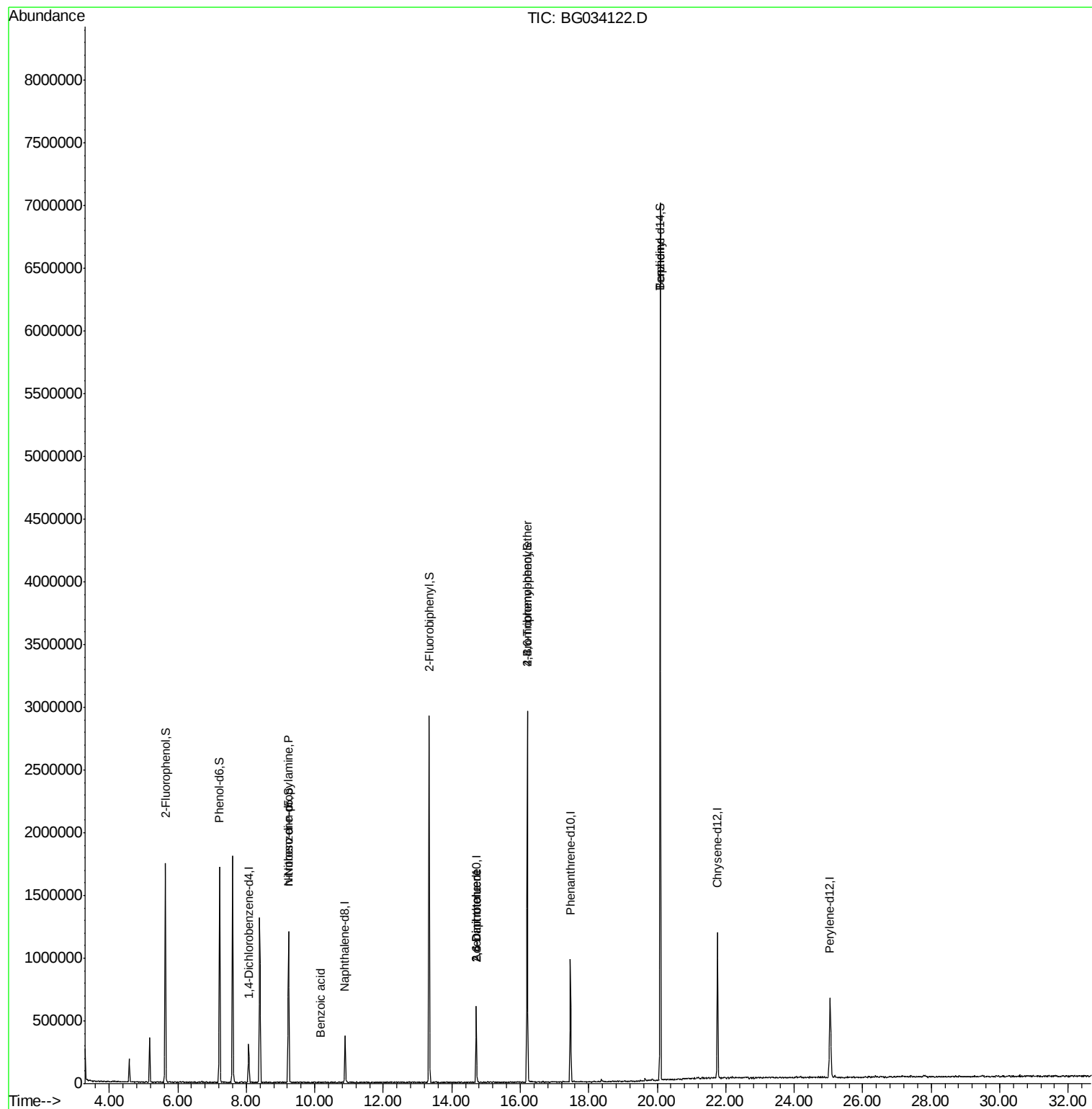
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	72279	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	267142	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	205201	20.00	ng	0.00
63) Phenanthrene-d10	17.47	188	587113	20.00	ng	0.00
75) Chrysene-d12	21.76	240	723023	20.00	ng	0.00
86) Perylene-d12	25.04	264	697989	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	624866	139.67	ng	0.00
7) Phenol-d6	7.22	99	843128	121.06	ng	0.00
23) Nitrobenzene-d5	9.23	82	720890	103.54	ng	0.00
41) 2,4,6-Tribromophenol	16.20	330	452008	159.08	ng	0.00
44) 2-Fluorobiphenyl	13.34	172	1363508	96.82	ng	0.00
78) Terphenyl-d14	20.09	244	3031977	91.86	ng	0.00
Target Compounds						
9) Benzaldehyde	7.22	77	2970	Below Cal	#	16
19) n-Nitroso-di-n-propylamine	9.23	70	114713	18.34	ng	# 72
32) Benzoic acid	10.18	122	85	3.14	ng	# 1
50) 2,6-Dinitrotoluene	14.72	165	26941	7.88	ng	# 21
56) 2,4-Dinitrotoluene	14.72	165	26941	5.81	ng	# 19
66) 4-Bromophenyl-phenylether	16.20	248	36365	4.99	ng	# 1
76) Benzidine	20.09	184	70743	3.80	ng	# 95

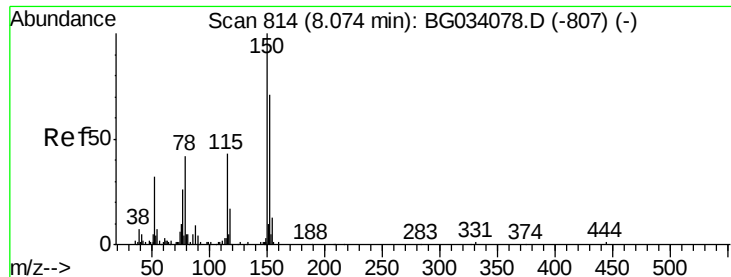
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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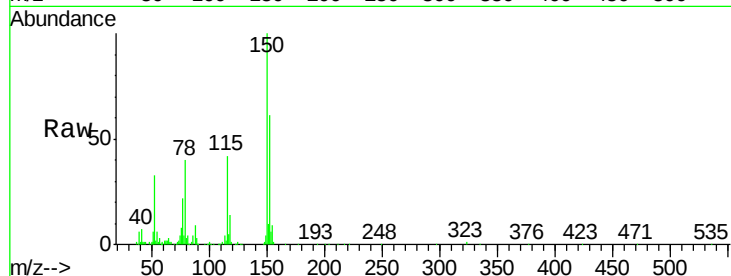


#1

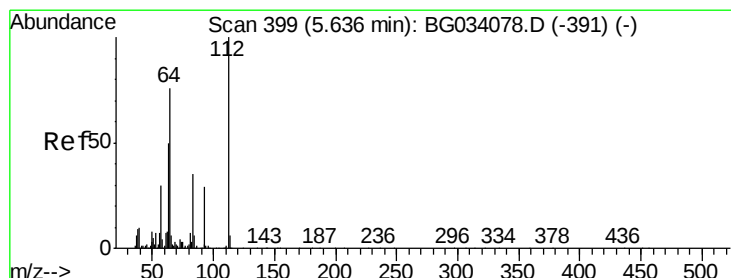
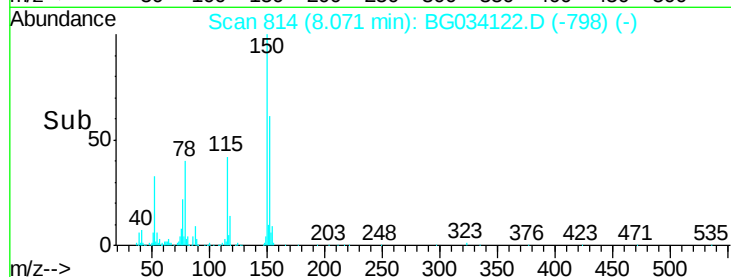
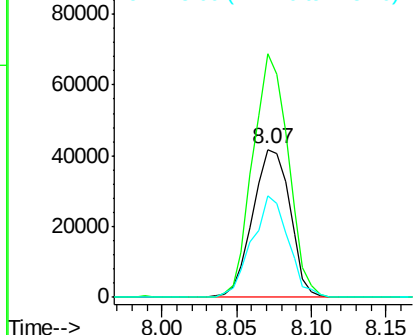
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.00 min
Lab File: BG034122.D
Acq: 2 May 2018 18:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	165.0	126.6	189.8
115	68.8	53.0	79.4



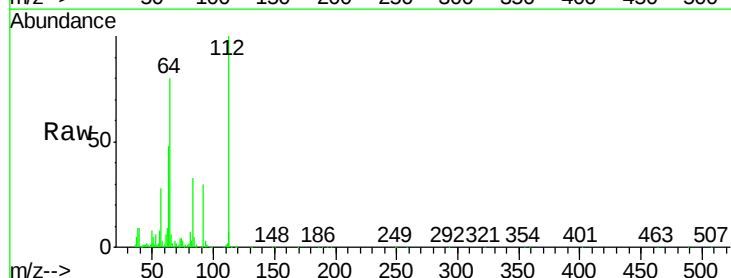
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



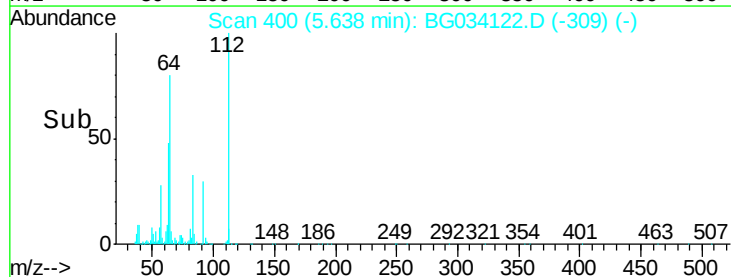
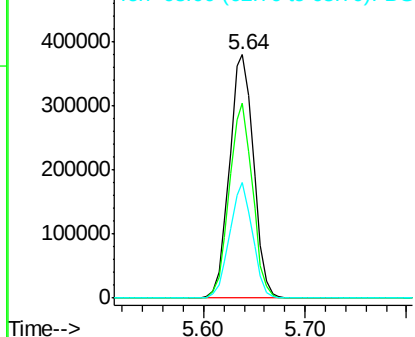
#5

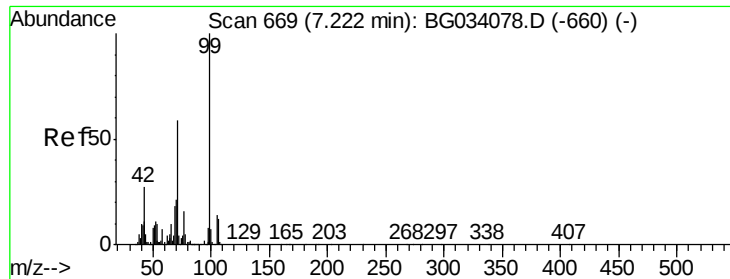
2-Fluorophenol
Concen: 139.67 ng
RT: 5.64 min Scan# 400
Delta R.T. 0.00 min
Lab File: BG034122.D
Acq: 2 May 2018 18:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	80.0	56.3	84.5
63	47.7	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: 121.06 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG034122.D

Acq: 2 May 2018 18:51

Instrument :

BNA_G

ClientSampleId :

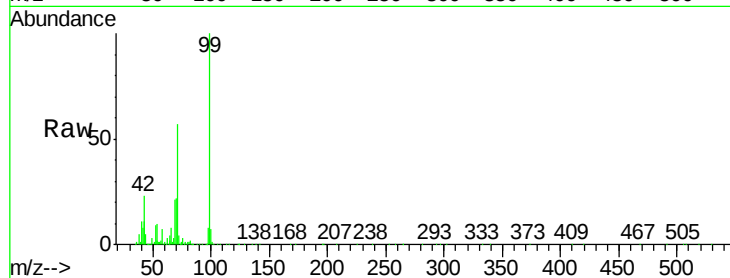
Tot Ion: 99 Resp: 843128

Ion Ratio Lower Upper

99 100

42 23.4 14.1 21.1#

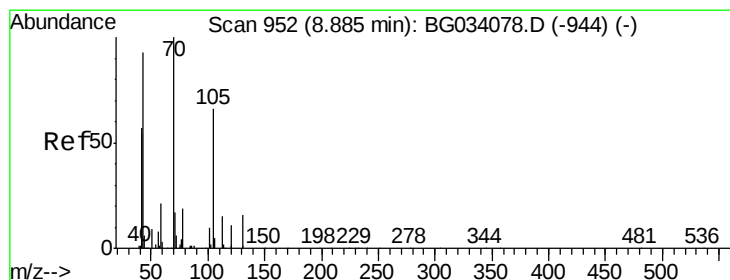
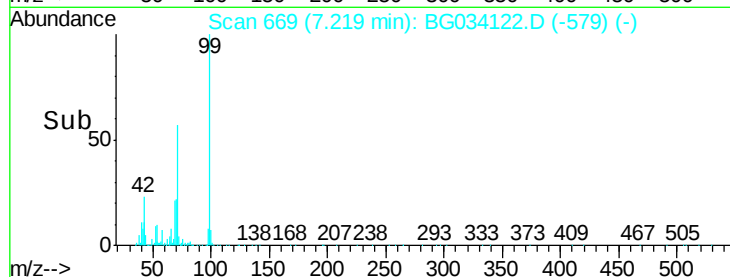
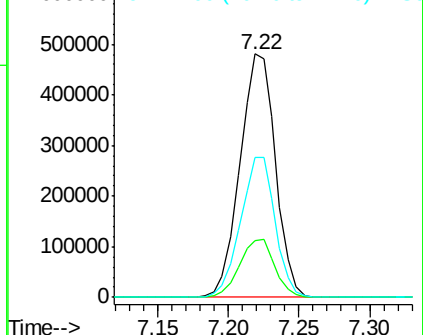
71 57.3 26.1 39.1#



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: 18.34 ng

RT: 9.23 min Scan# 1012

Delta R.T. 0.35 min

Lab File: BG034122.D

Acq: 2 May 2018 18:51

Tgt Ion: 70 Resp: 114713

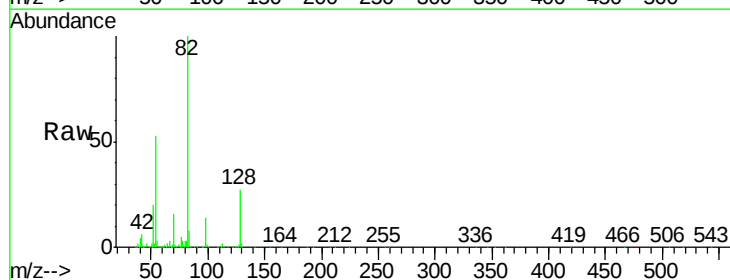
Ion Ratio Lower Upper

70 100

42 41.4 49.1 73.7#

101 0.0 8.5 12.7#

130 0.8 13.4 20.0#

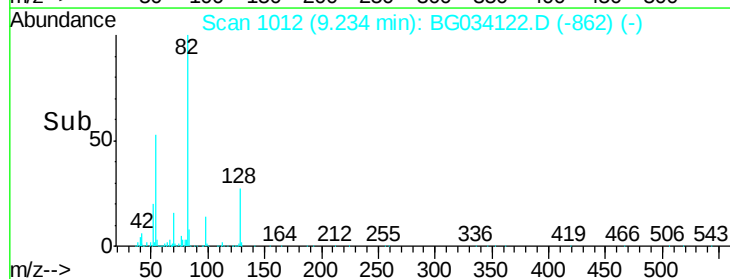
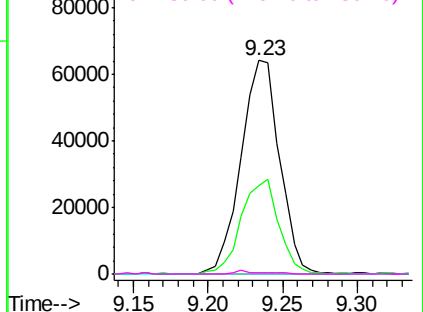


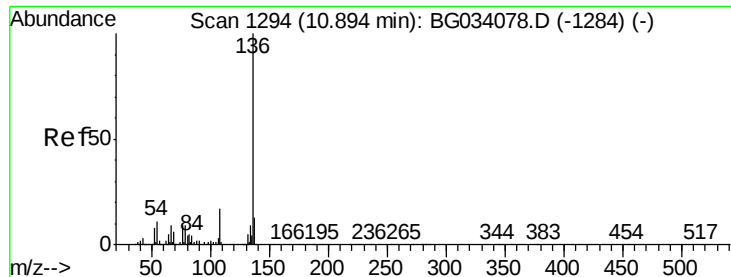
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

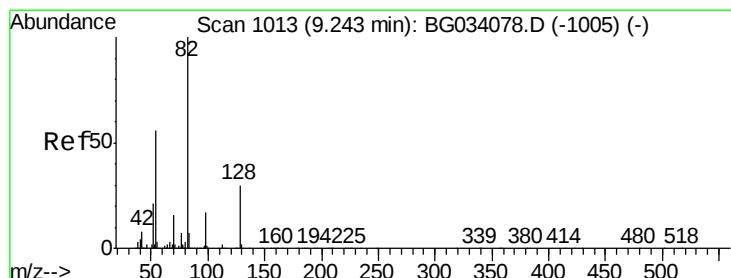
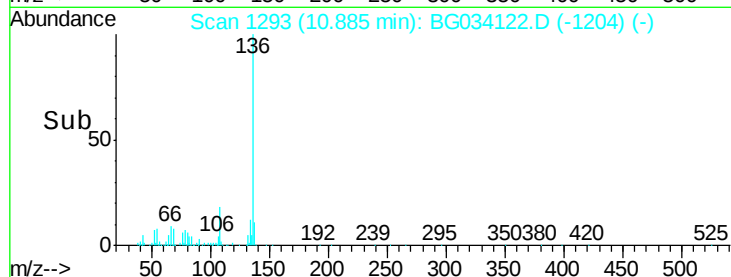
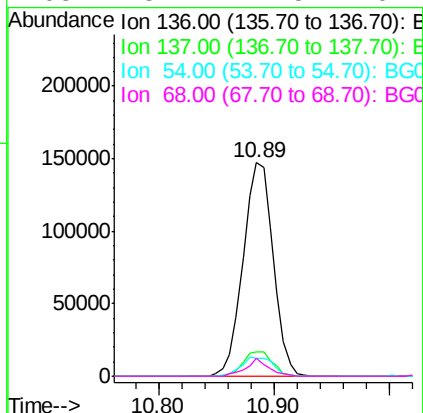
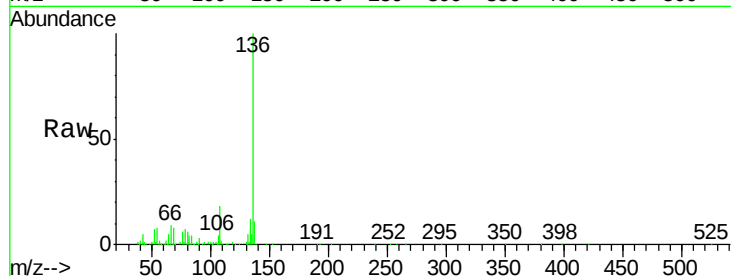




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG034122.D
Acq: 2 May 2018 18:51

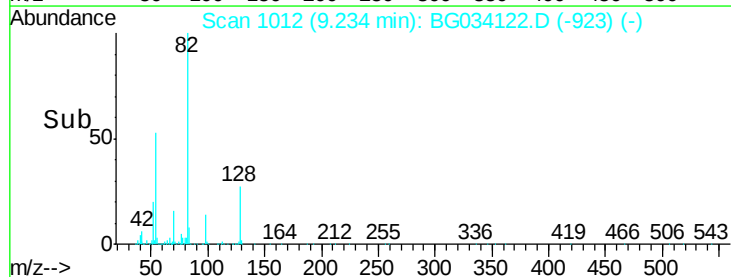
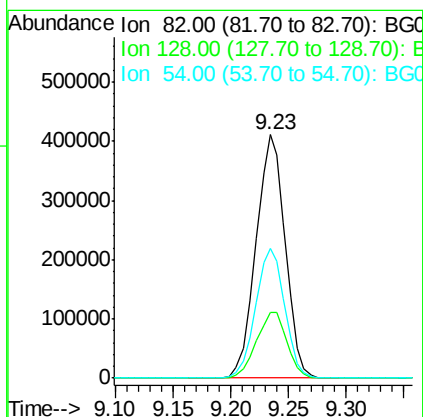
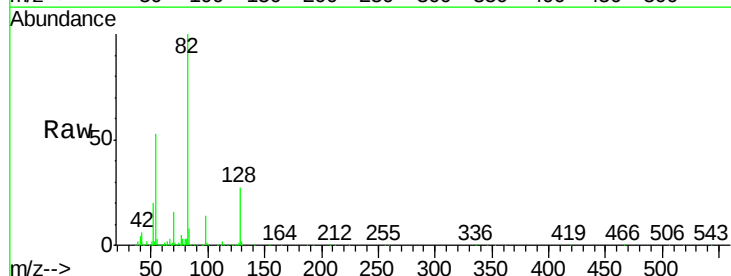
Instrument :
BNA_G
ClientSampleId :

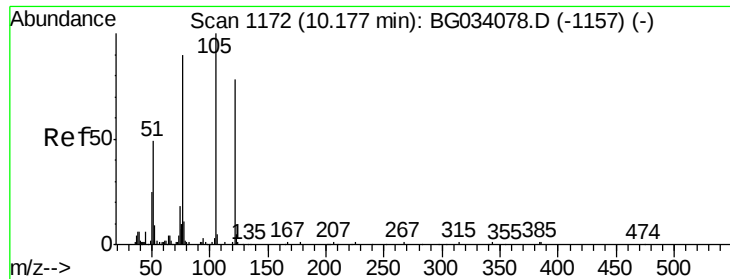
Tot Ion:136	Resp:	267142
Ion Ratio	Lower	Upper
136 100		
137 11.4	9.2	13.8
54 8.4	10.3	15.5#
68 8.4	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 103.54 ng
RT: 9.23 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BG034122.D
Acq: 2 May 2018 18:51

Tgt	Ion: 82	Resp:	720890
Ion	Ratio	Lower	Upper
82	100		
128	27.0	29.7	44.5#
54	53.3	43.1	64.7

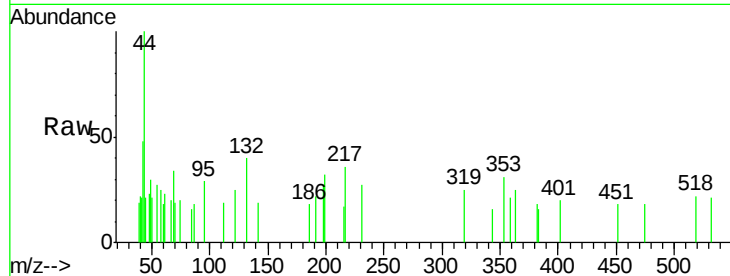




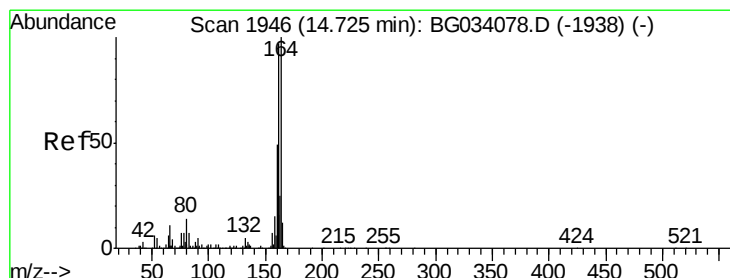
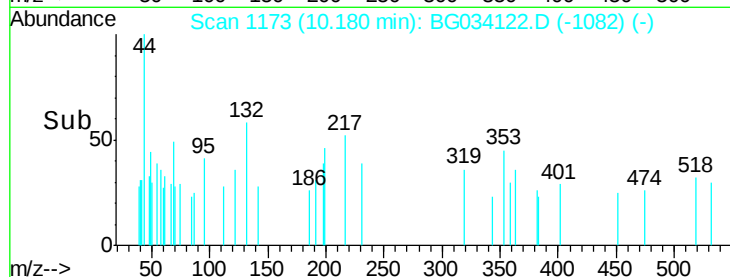
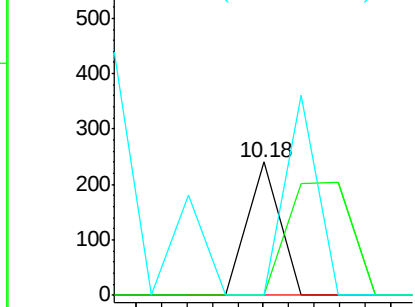
#32
Benzoic acid
Concen: 3.14 ng
RT: 10.18 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BG034122.D
Acq: 2 May 2018 18:51

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	123.5	163.5#
77	0.0	85.7	125.7#

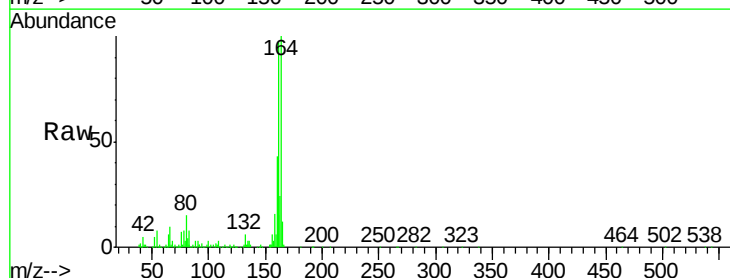


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

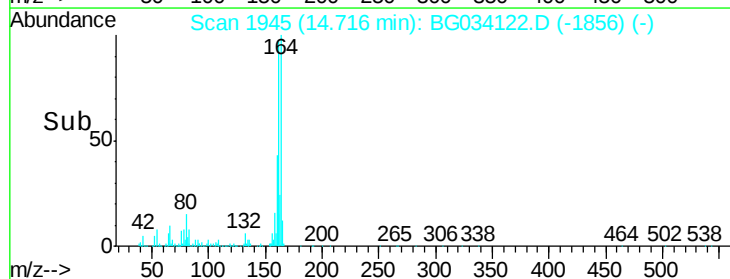
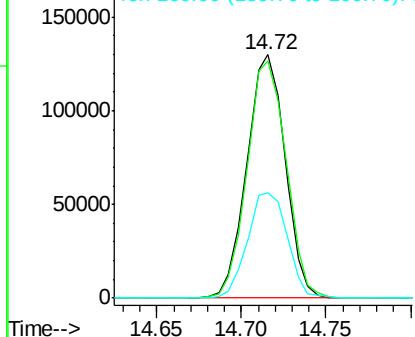


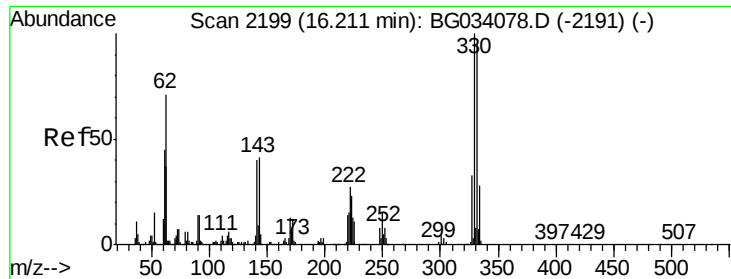
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.72 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BG034122.D
Acq: 2 May 2018 18:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.2	78.8	118.2
160	43.5	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

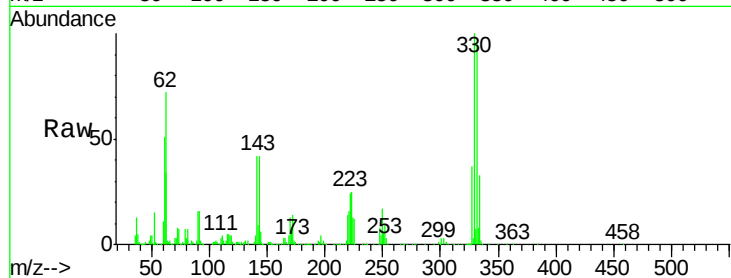




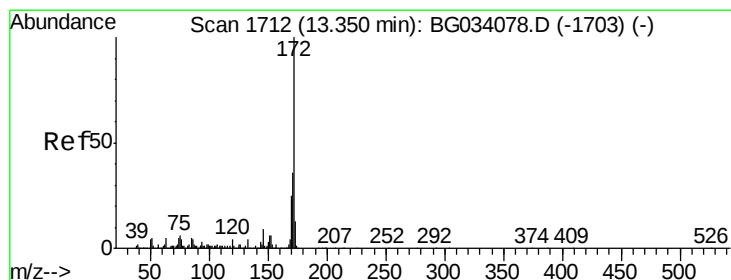
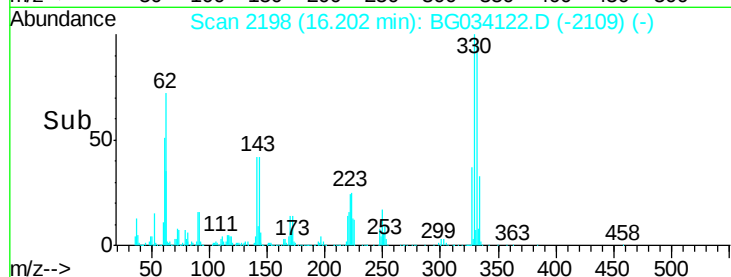
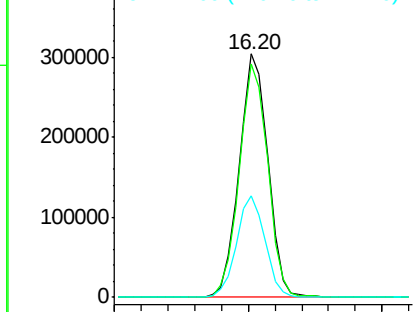
#41
 2,4,6-Tribromophenol
 Concen: 159.08 ng
 RT: 16.20 min Scan# 2198
 Delta R.T. -0.01 min
 Lab File: BG034122.D
 Acq: 2 May 2018 18:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 452008
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.0 115.6
 141 41.3 25.2 37.8#

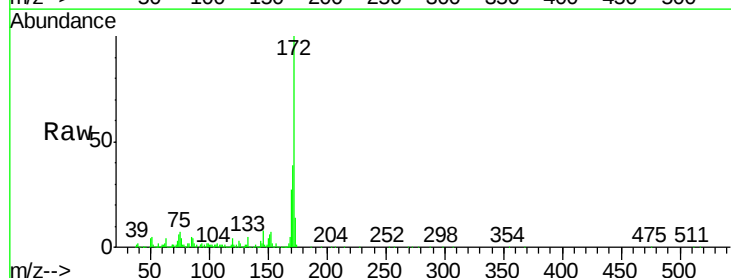


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

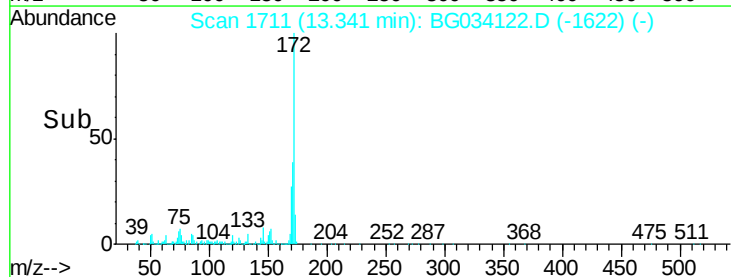
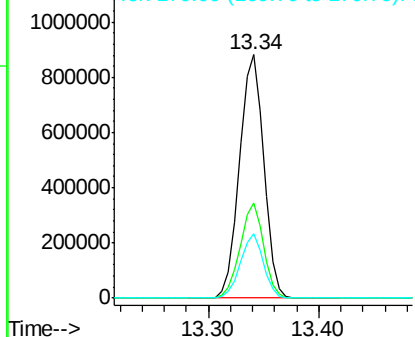


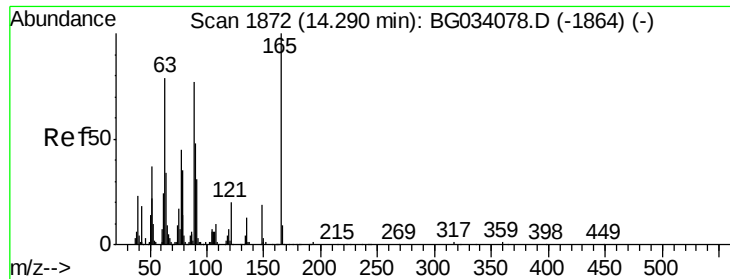
#44
 2-Fluorobiphenyl
 Concen: 96.82 ng
 RT: 13.34 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BG034122.D
 Acq: 2 May 2018 18:51

Tgt Ion:172 Resp: 1363508
 Ion Ratio Lower Upper
 172 100
 171 39.1 30.0 45.0
 170 26.6 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

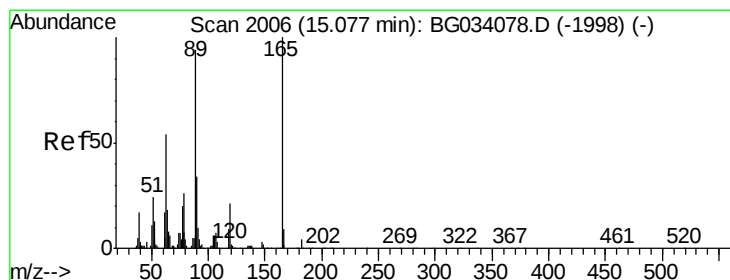
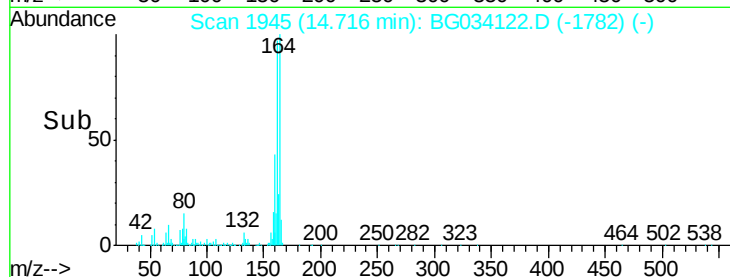
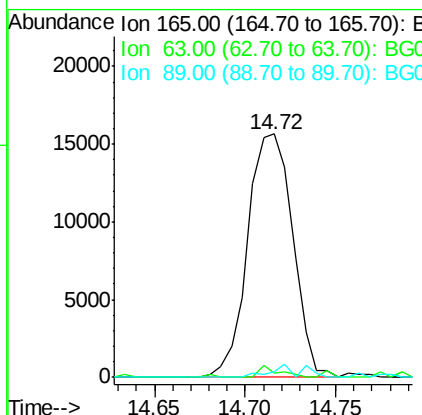
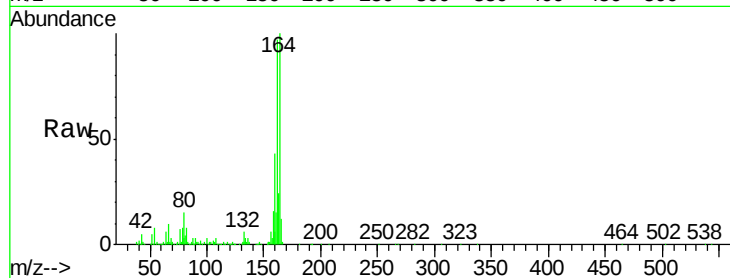




#50
2,6-Dinitrotoluene
Concen: 7.88 ng
RT: 14.72 min Scan# 1945
Delta R.T. 0.43 min
Lab File: BG034122.D
Acq: 2 May 2018 18:51

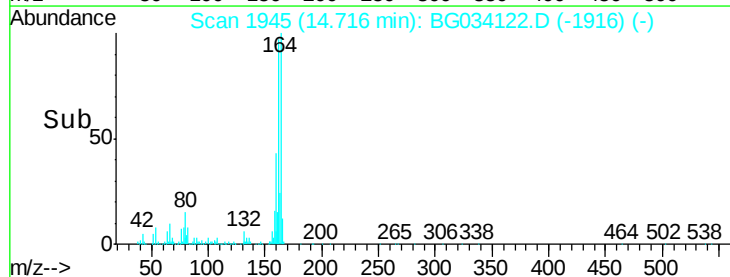
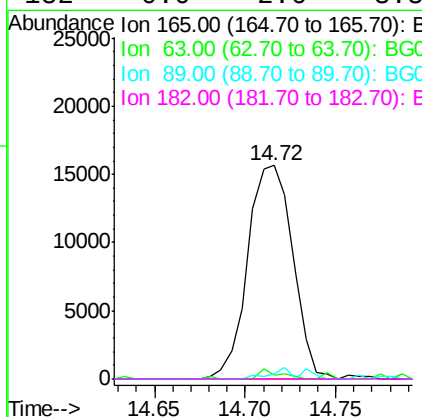
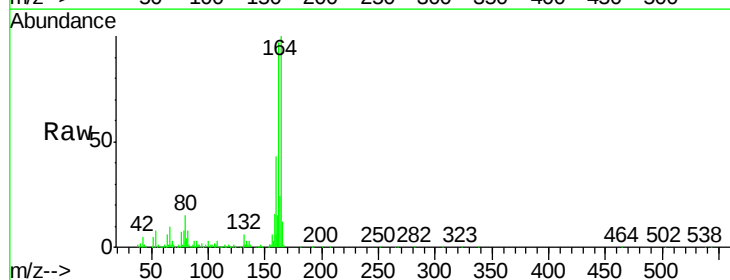
Instrument :
BNA_G
ClientSampleId :

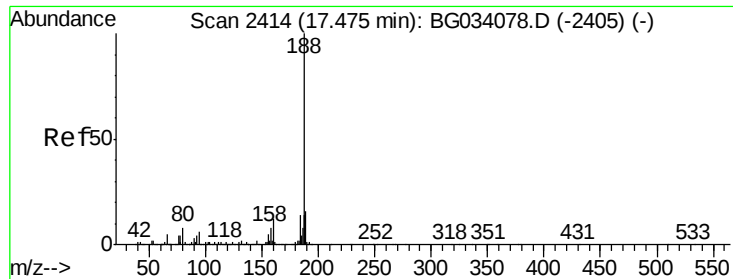
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	52.7	79.1#
89	2.3	49.2	73.8#



#56
2,4-Dinitrotoluene
Concen: 5.81 ng
RT: 14.72 min Scan# 1945
Delta R.T. -0.36 min
Lab File: BG034122.D
Acq: 2 May 2018 18:51

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	42.0	63.0#
89	2.3	66.9	100.3#
182	0.0	2.6	3.8#

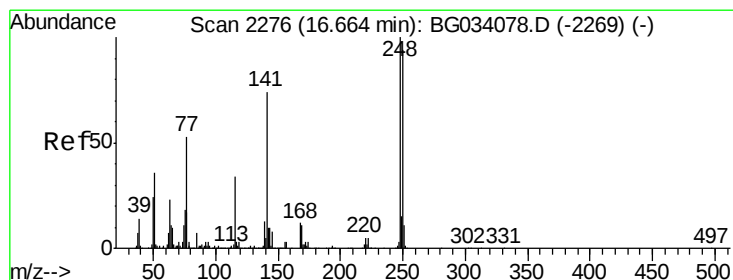
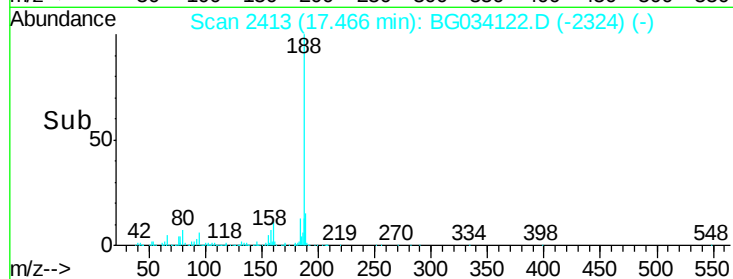
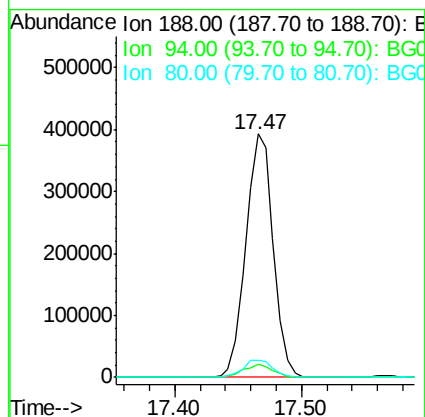
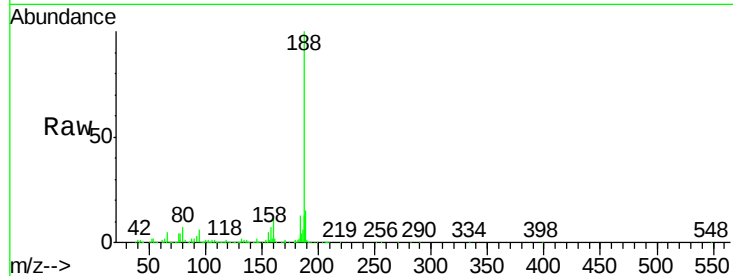




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.47 min Scan# 2413
Delta R.T. -0.01 min
Lab File: BG034122.D
Acq: 2 May 2018 18:51

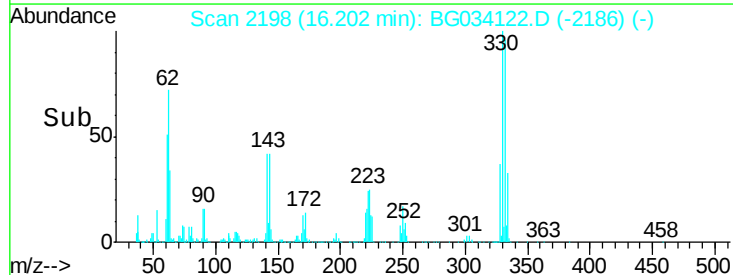
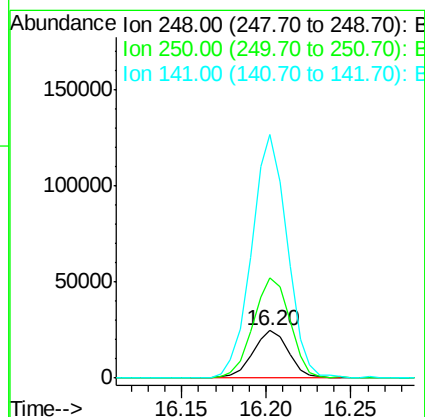
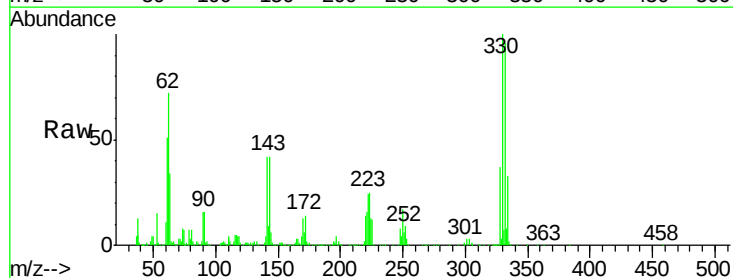
Instrument :
BNA_G
ClientSampleId :

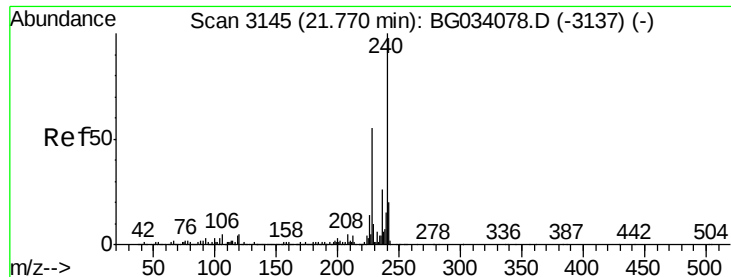
Tot Ion:188 Resp: 587113
Ion Ratio Lower Upper
188 100
94 5.5 6.9 10.3#
80 6.9 7.7 11.5#



#66
4-Bromophenyl-phenylether
Concen: 4.99 ng
RT: 16.20 min Scan# 2198
Delta R.T. -0.46 min
Lab File: BG034122.D
Acq: 2 May 2018 18:51

Tgt Ion:248 Resp: 36365
Ion Ratio Lower Upper
248 100
250 211.9 77.1 115.7#
141 511.6 50.8 76.2#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.76 min Scan# 3144

Delta R.T. -0.01 min

Lab File: BG034122.D

Acq: 2 May 2018 18:51

Instrument :

BNA_G

ClientSampleId :

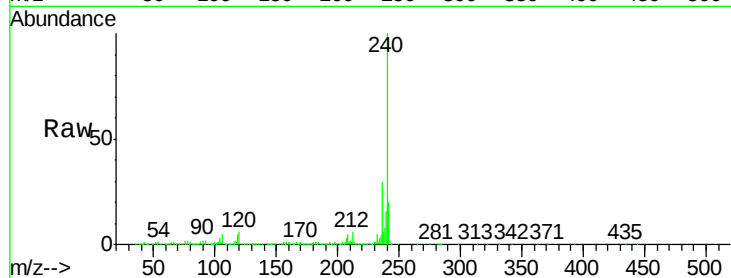
Tot Ion:240 Resp: 723023

Ion Ratio Lower Upper

240 100

120 5.8 6.8 10.2#

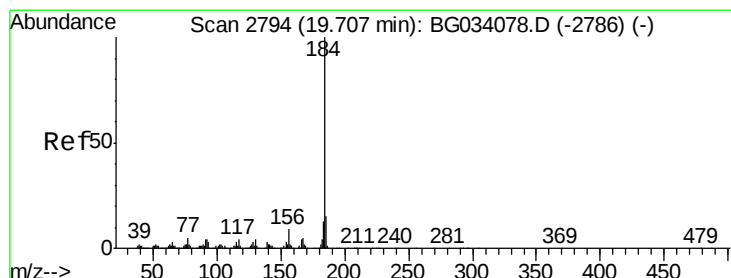
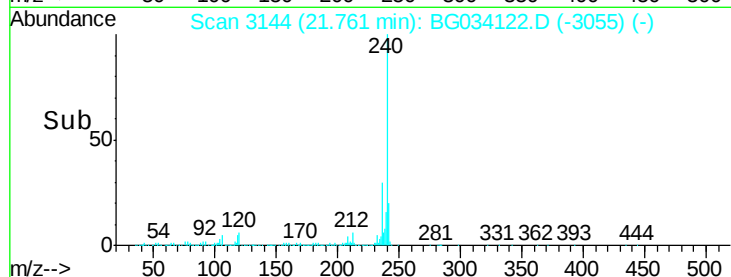
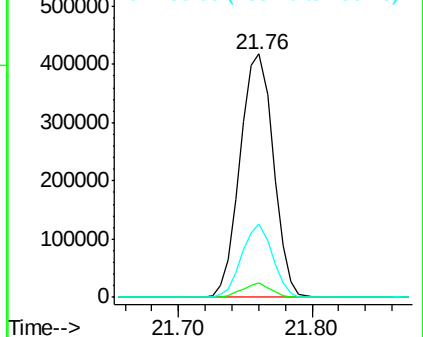
236 30.2 20.9 31.3



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: 3.80 ng

RT: 20.09 min Scan# 2859

Delta R.T. 0.38 min

Lab File: BG034122.D

Acq: 2 May 2018 18:51

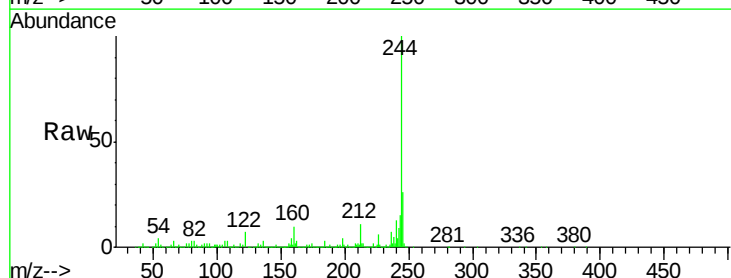
Tgt Ion:184 Resp: 70743

Ion Ratio Lower Upper

184 100

185 13.6 11.1 16.7

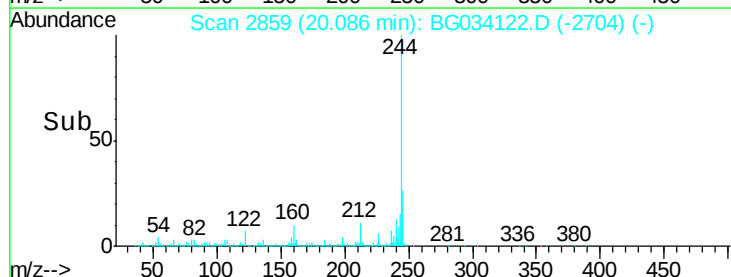
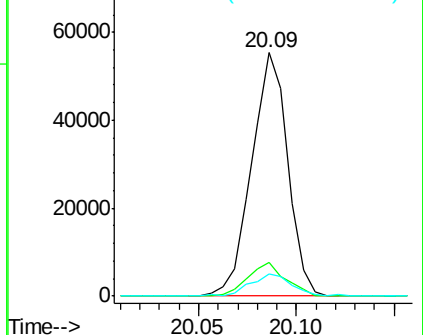
183 9.3 10.6 16.0#

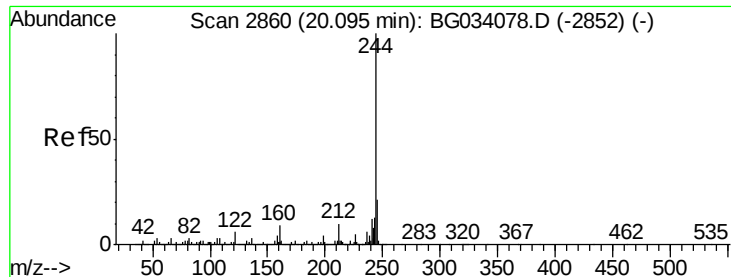


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 91.86 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BG034122.D

Acq: 2 May 2018 18:51

Instrument :

BNA_G

ClientSampled :

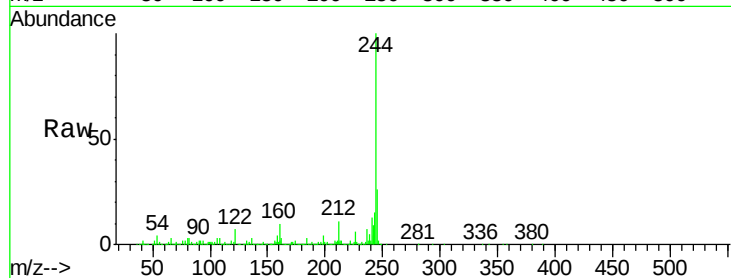
Tot Ion:244 Resp: 3031977

Ion Ratio Lower Upper

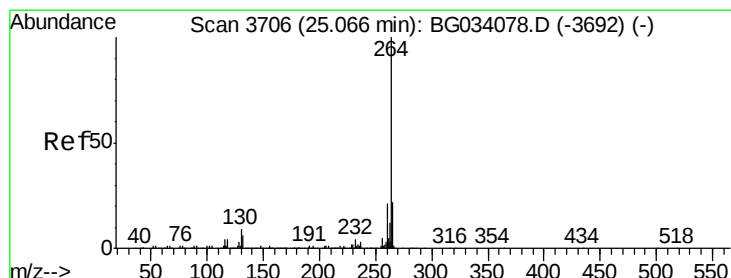
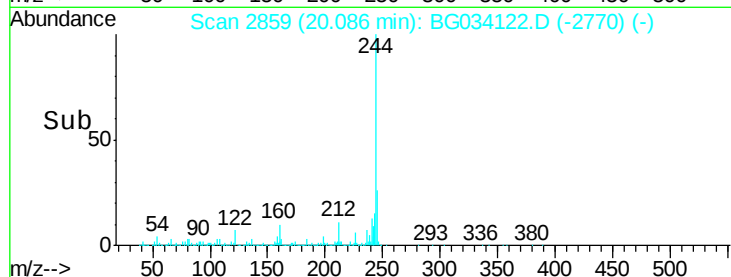
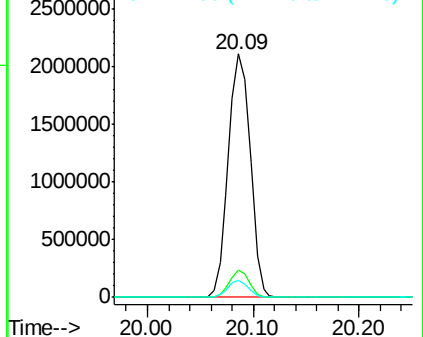
244 100

212 11.2 5.8 8.8#

122 7.2 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: 20.00 ng

RT: 25.04 min Scan# 3703

Delta R.T. -0.02 min

Lab File: BG034122.D

Acq: 2 May 2018 18:51

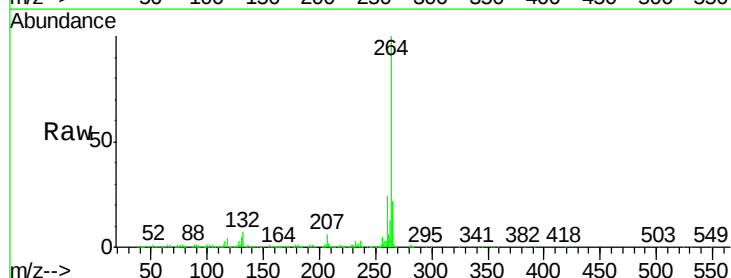
Tgt Ion:264 Resp: 697989

Ion Ratio Lower Upper

264 100

260 24.1 17.4 26.0

265 22.1 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

