

Data Path : Z:\HPCHEM1\BNA G\DATA\BG050218\
 Data File : BG034147.D
 Acq On : 3 May 2018 12:03
 Operator : SJ/JU
 Sample : J2669-02
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 03 13:58:48 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

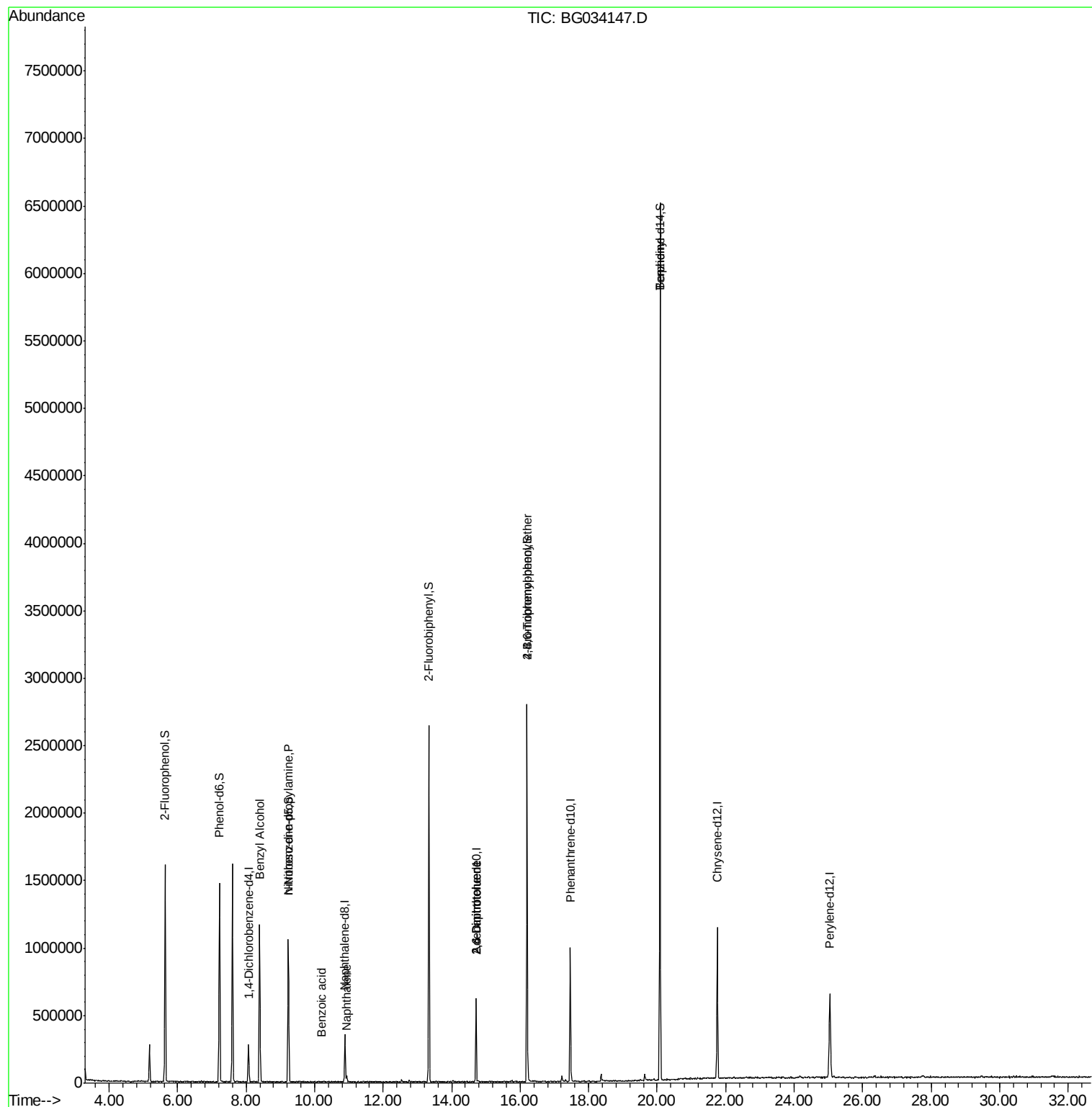
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	66754	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	257903	20.00	ng	-0.01
38) Acenaphthene-d10	14.71	164	192387	20.00	ng	-0.01
63) Phenanthrene-d10	17.46	188	587407	20.00	ng	-0.01
75) Chrysene-d12	21.75	240	716396	20.00	ng	-0.02
86) Perylene-d12	25.04	264	691361	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	560089	135.56	ng	0.00
7) Phenol-d6	7.22	99	760313	118.20	ng	0.00
23) Nitrobenzene-d5	9.23	82	640594	95.30	ng	-0.01
41) 2,4,6-Tribromophenol	16.20	330	433710	162.80	ng	-0.01
44) 2-Fluorobiphenyl	13.34	172	1301423	98.57	ng	-0.01
78) Terphenyl-d14	20.08	244	2879937	88.07	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.22	77	1852	Below Cal	Qvalue	# 5
15) Benzyl Alcohol	8.40	79	13770	2.007 ng	#	33
19) n-Nitroso-di-n-propylamine	9.23	70	103675	17.948 ng	#	78
31) Naphthalene	10.93	128	34380	2.536 ng	#	87
32) Benzoic acid	10.19	122	377	3.229 ng	#	6
50) 2,6-Dinitrotoluene	14.71	165	24700	7.709 ng	#	18
56) 2,4-Dinitrotoluene	14.71	165	24700	5.677 ng	#	16
66) 4-Bromophenyl-phenylether	16.20	248	38121	5.227 ng	#	1
76) Benzidine	20.08	184	63887	3.462 ng	#	92

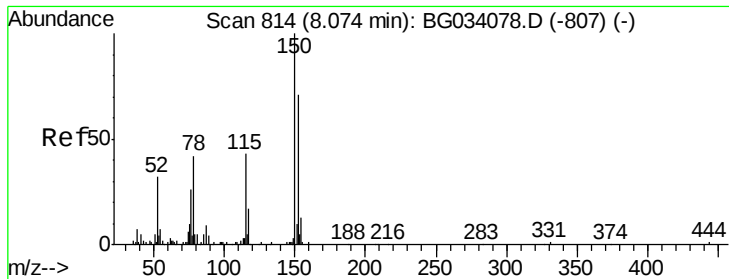
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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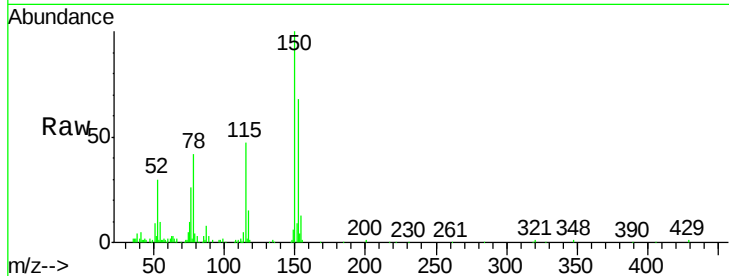


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 813
Delta R.T. -0.01 min
Lab File: BG034147.D
Acq: 3 May 2018 12:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion	152	Resp	66754
Ion Ratio	Lower	Upper	
152	100		
150	146.1	126.6	189.8
115	69.0	53.0	79.4

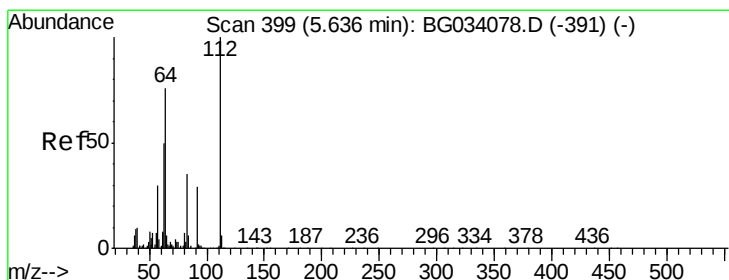
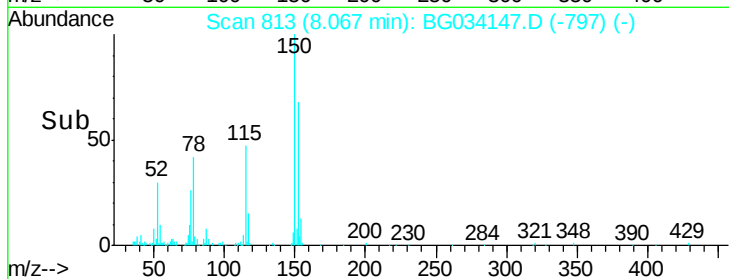
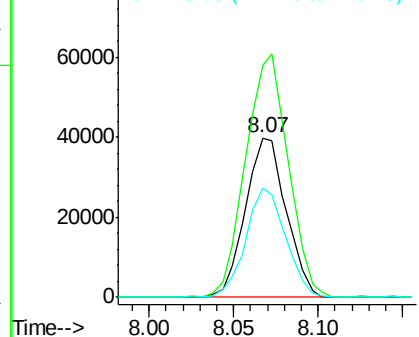


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

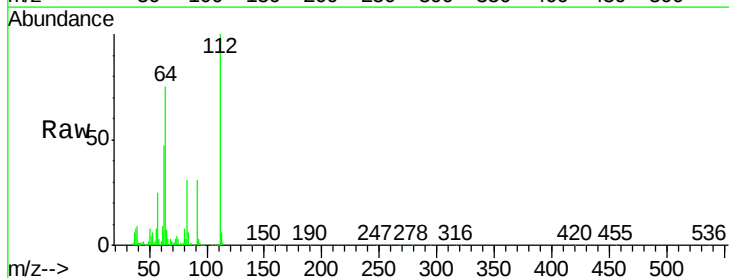
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 135.557 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.00 min
Lab File: BG034147.D
Acq: 3 May 2018 12:03

Tgt Ion	112	Resp	560089
Ion Ratio	Lower	Upper	
112	100		
64	74.5	56.3	84.5
63	47.5	30.1	45.1

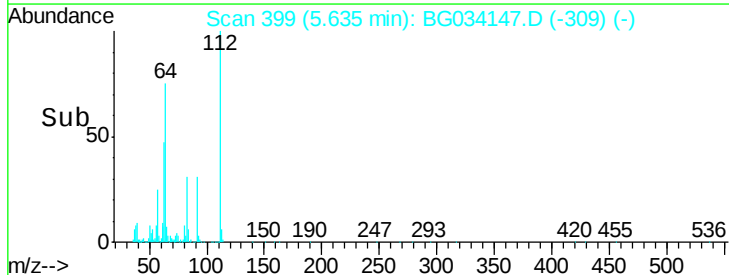
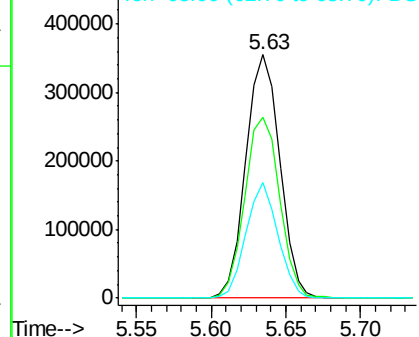


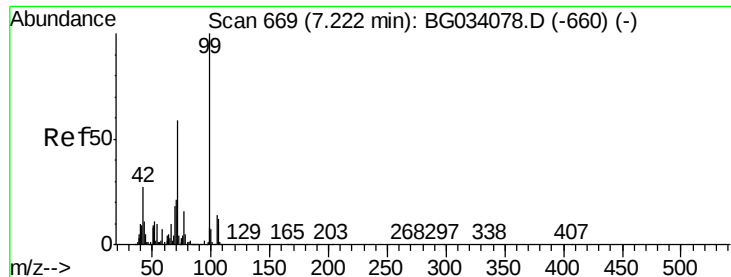
Abundance

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: 118.201 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG034147.D

Acq: 3 May 2018 12:03

Instrument :

BNA_G

ClientSampleId :

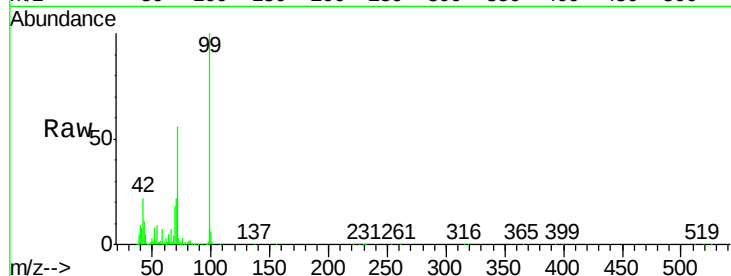
Tot Ion: 99 Resp: 760313

Ion Ratio Lower Upper

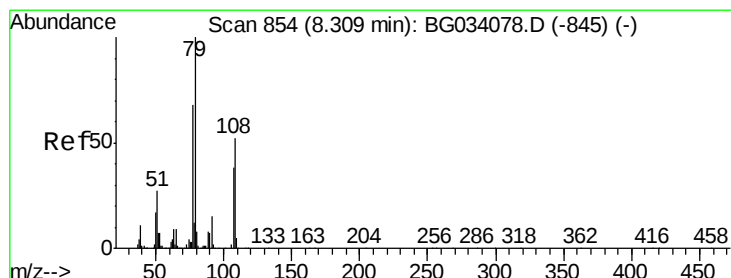
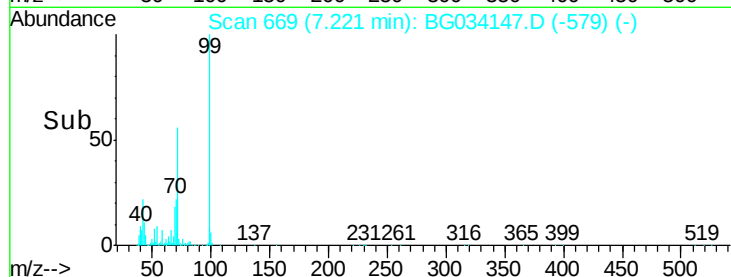
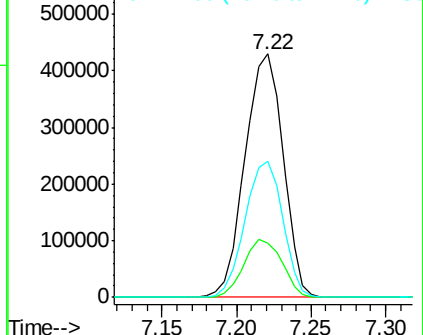
99 100

42 22.3 14.1 21.1#

71 56.0 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: 2.007 ng

RT: 8.40 min Scan# 869

Delta R.T. 0.09 min

Lab File: BG034147.D

Acq: 3 May 2018 12:03

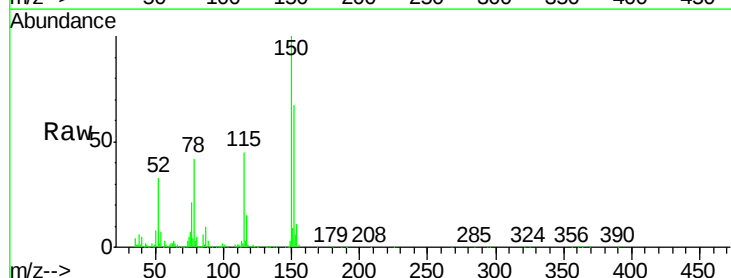
Tgt Ion: 79 Resp: 13770

Ion Ratio Lower Upper

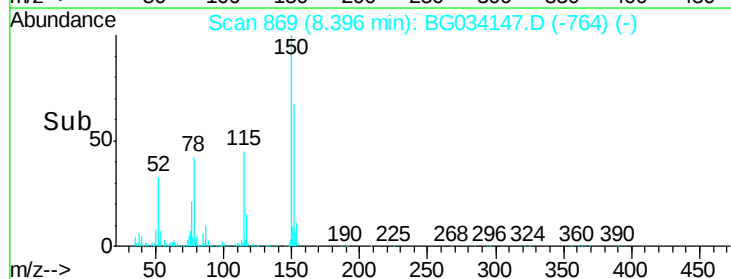
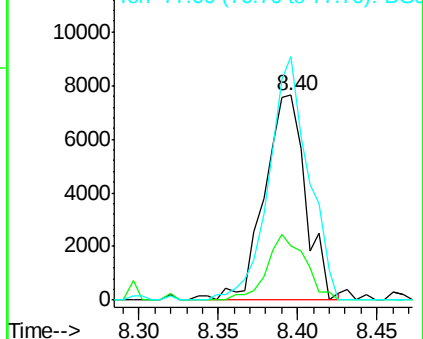
79 100

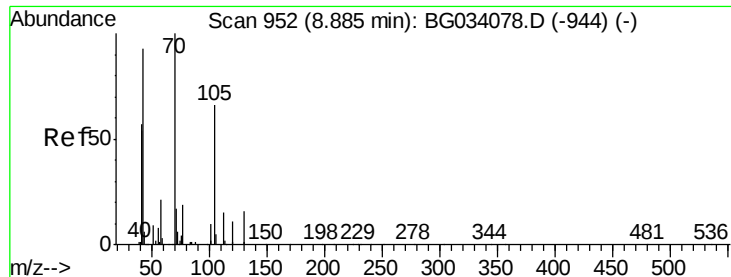
108 26.4 57.2 85.8#

77 119.0 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

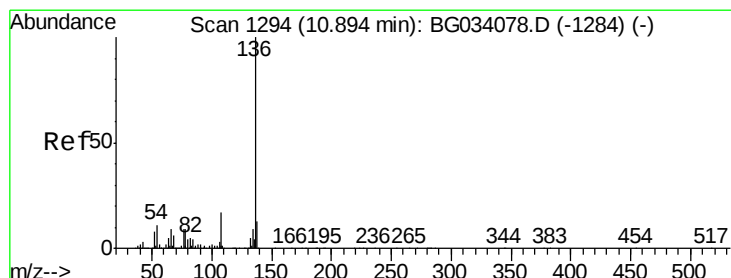
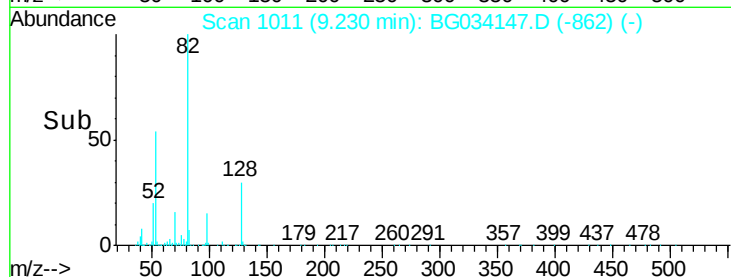
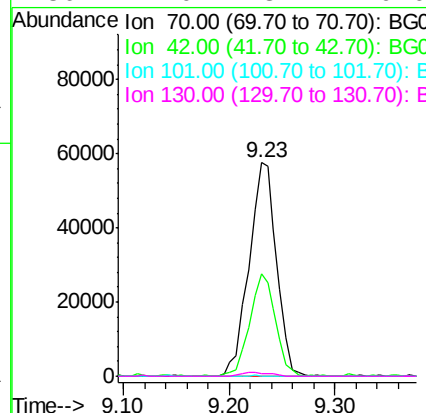
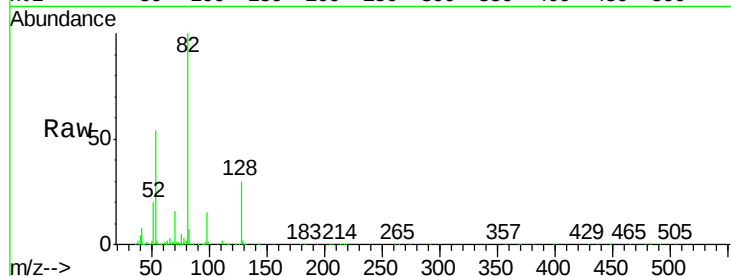




#19
n-Nitroso-di-n-propylamine
Concen: 17.948 ng
RT: 9.23 min Scan# 1011
Delta R.T. 0.35 min
Lab File: BG034147.D
Acq: 3 May 2018 12:03

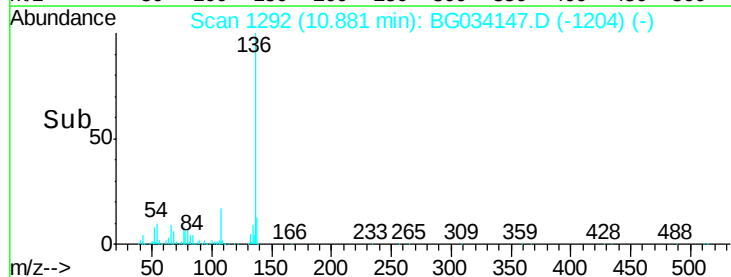
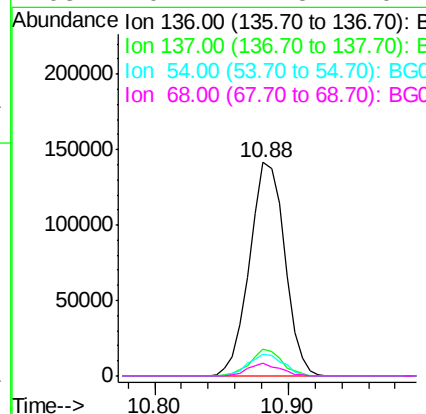
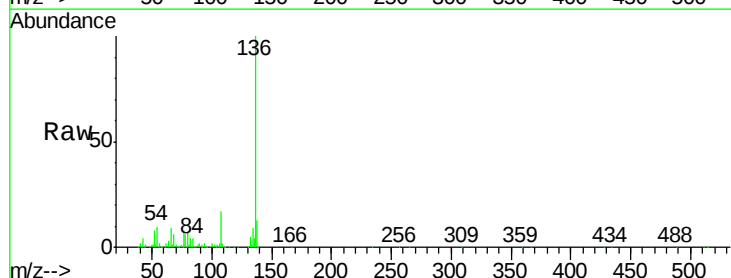
Instrument :
BNA_G
ClientSampleId :

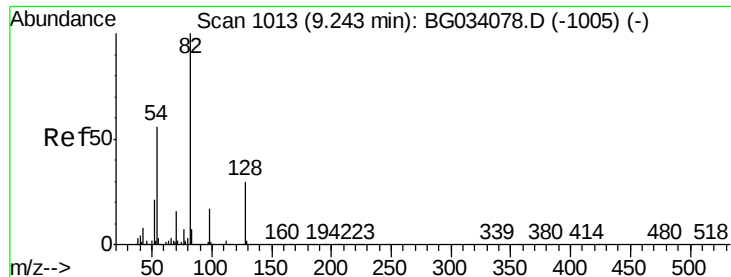
Tot Ion: 70 Resp: 103675
Ion Ratio Lower Upper
70 100
42 48.2 49.1 73.7#
101 0.0 8.5 12.7#
130 1.0 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BG034147.D
Acq: 3 May 2018 12:03

Tgt Ion: 136 Resp: 257903
Ion Ratio Lower Upper
136 100
137 12.7 9.2 13.8
54 10.5 10.3 15.5
68 6.2 4.5 6.7

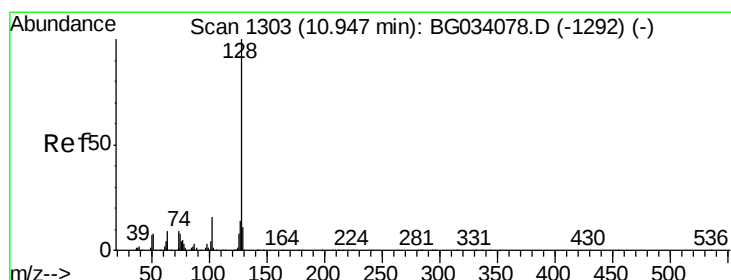
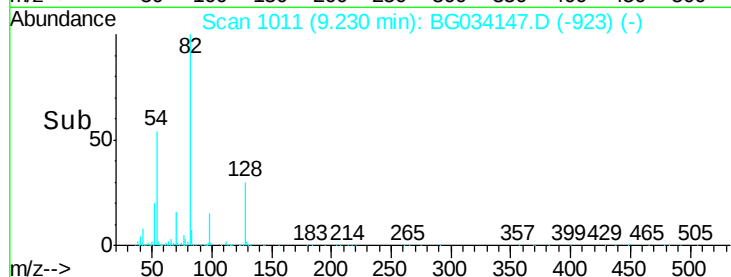
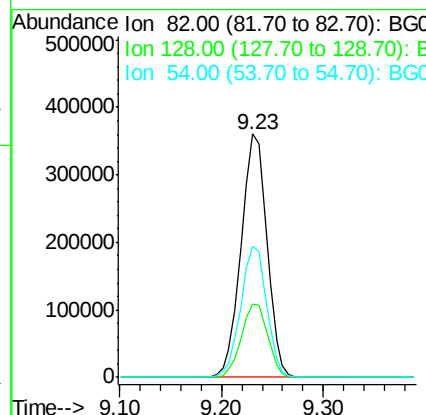
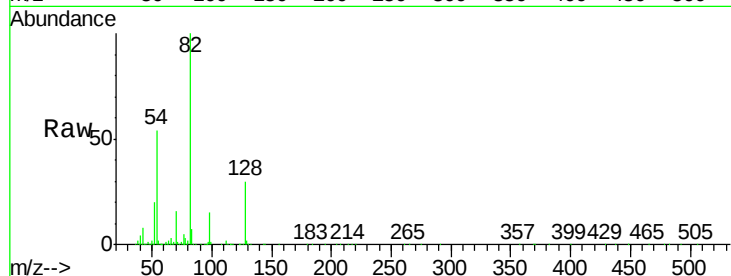




#23
Nitrobenzene-d5
Concen: 95.301 ng
RT: 9.23 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BG034147.D
Acq: 3 May 2018 12:03

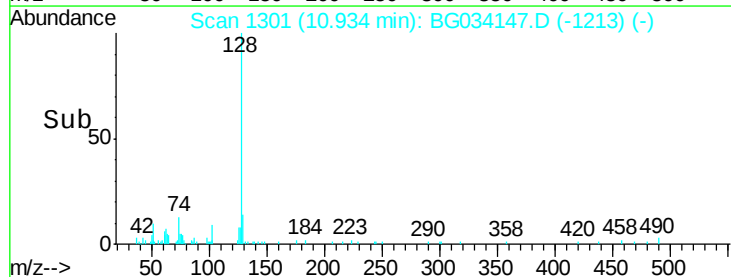
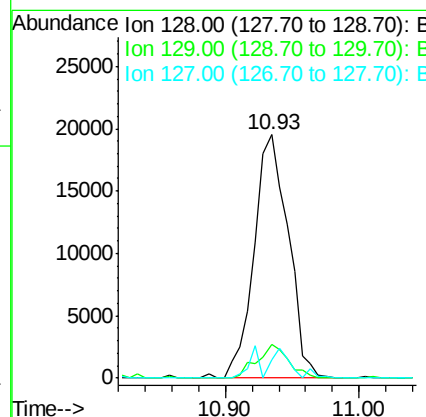
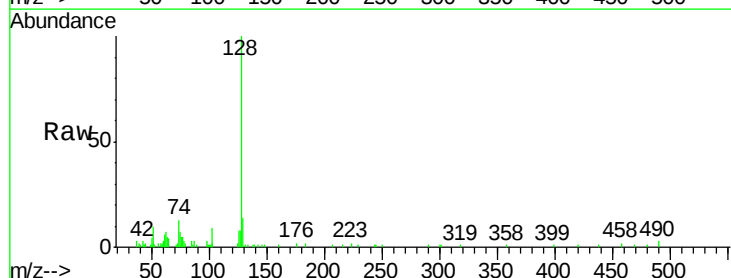
Instrument :
BNA_G
ClientSampled :

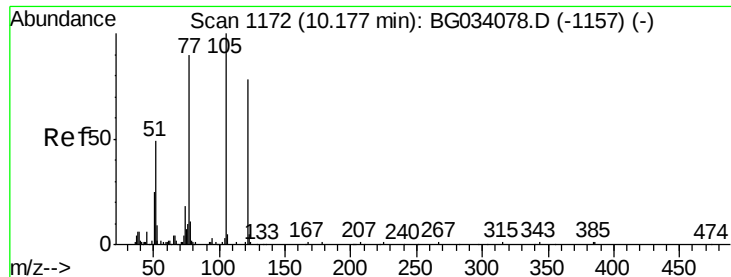
Tot Ion	82	Resp	640594
Ion Ratio	Lower	Upper	
82	100		
128	30.2	29.7	44.5
54	54.0	43.1	64.7



#31
Naphthalene
Concen: 2.536 ng
RT: 10.93 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BG034147.D
Acq: 3 May 2018 12:03

Tgt Ion	128	Resp	34380
Ion Ratio	Lower	Upper	
128	100		
129	13.8	8.6	12.8#
127	7.6	11.6	17.4#

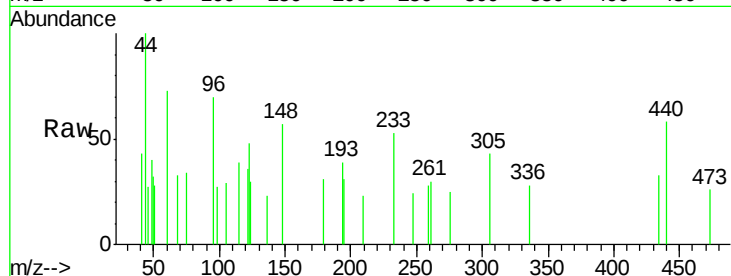




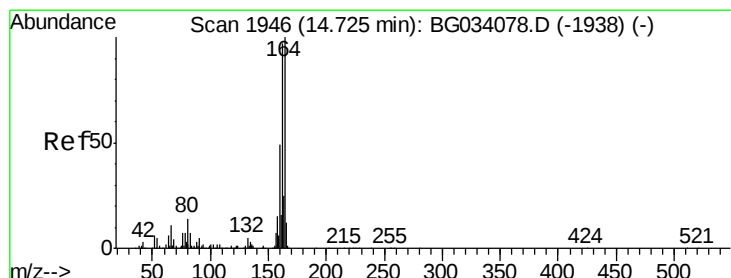
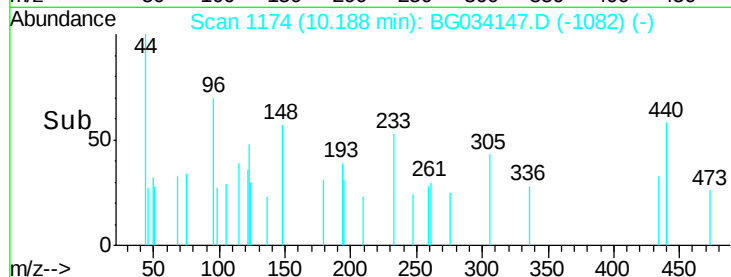
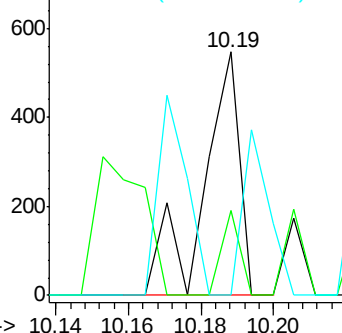
#32
Benzoic acid
Concen: 3.229 ng
RT: 10.19 min Scan# 1174
Delta R.T. 0.01 min
Lab File: BG034147.D
Acq: 3 May 2018 12:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion:122 Resp: 377
Ion Ratio Lower Upper
122 100
105 34.9 123.5 163.5#
77 0.0 85.7 125.7#

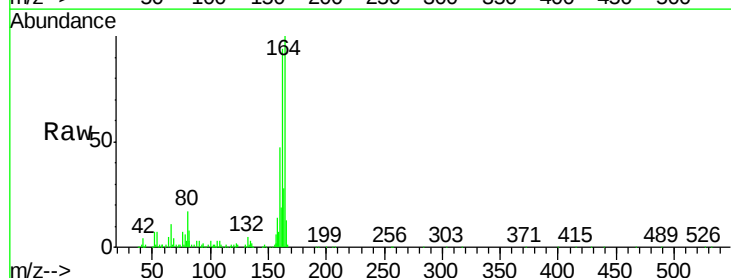


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): E

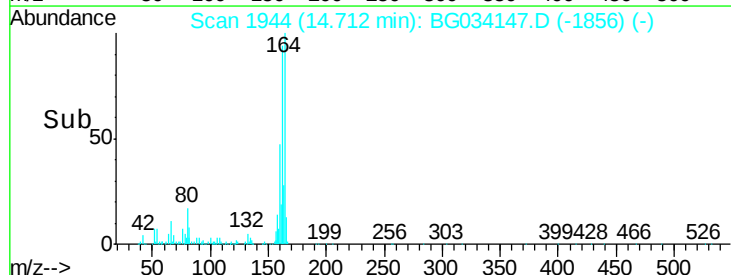
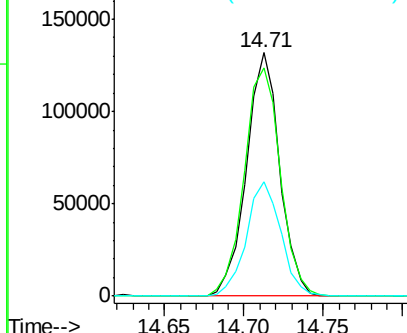


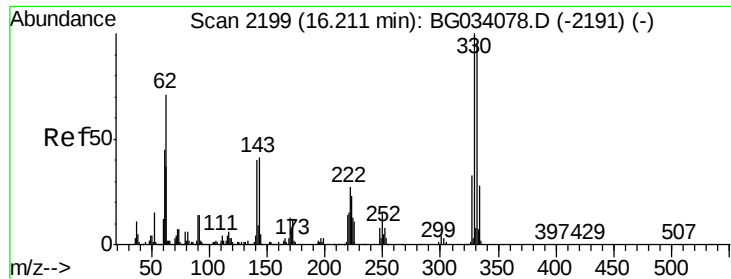
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.71 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BG034147.D
Acq: 3 May 2018 12:03

Tgt Ion:164 Resp: 192387
Ion Ratio Lower Upper
164 100
162 93.7 78.8 118.2
160 46.8 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

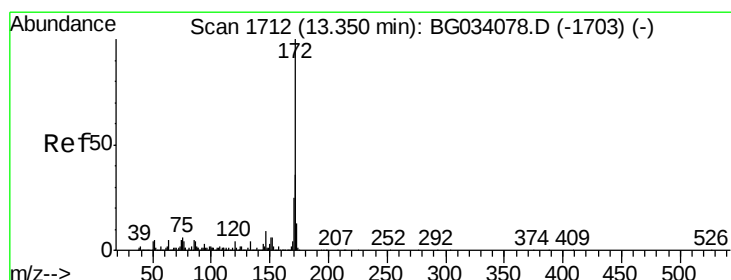
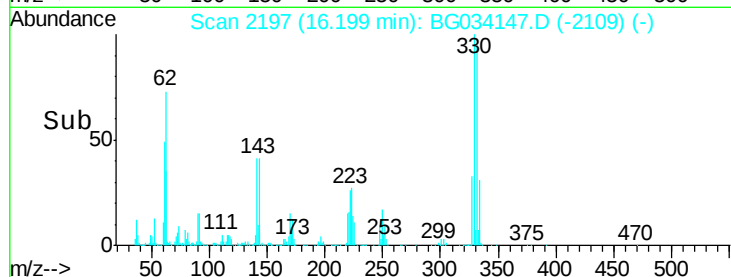
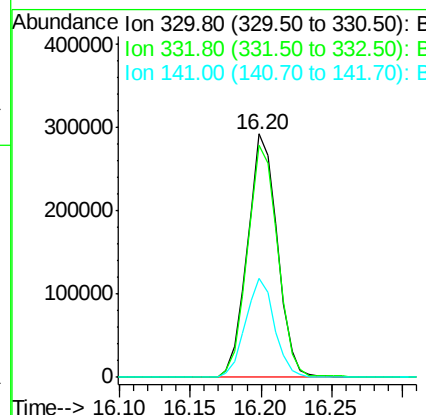
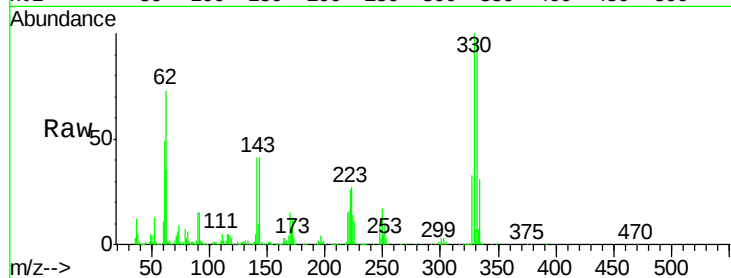




#41
 2,4,6-Tribromophenol
 Concen: 162.804 ng
 RT: 16.20 min Scan# 2197
 Delta R.T. -0.01 min
 Lab File: BG034147.D
 Acq: 3 May 2018 12:03

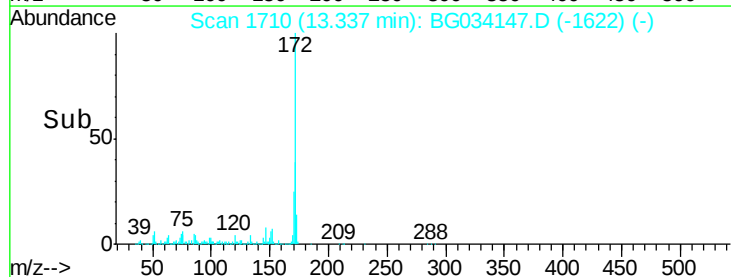
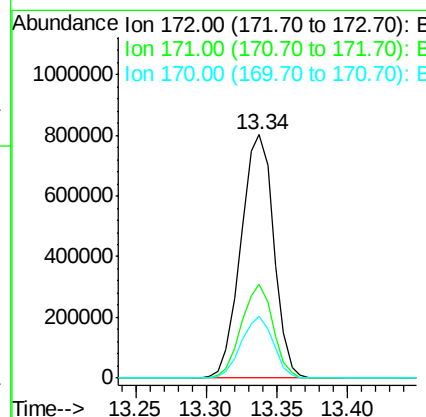
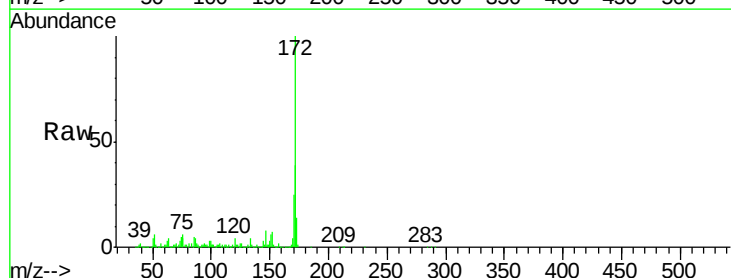
Instrument :
 BNA_G
 ClientSampleId :

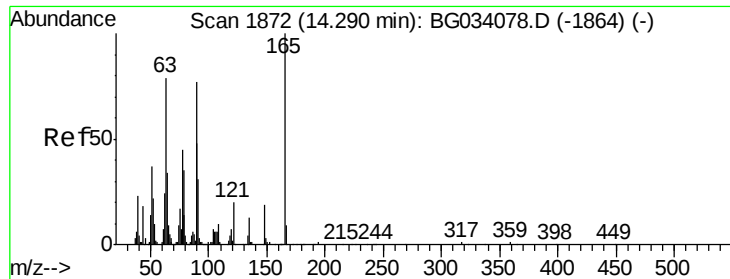
Tot Ion:330 Resp: 433710
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 39.7 25.2 37.8#



#44
 2-Fluorobiphenyl
 Concen: 98.571 ng
 RT: 13.34 min Scan# 1710
 Delta R.T. -0.01 min
 Lab File: BG034147.D
 Acq: 3 May 2018 12:03

Tgt Ion:172 Resp: 1301423
 Ion Ratio Lower Upper
 172 100
 171 38.5 30.0 45.0
 170 25.4 19.5 29.3





#50

2,6-Dinitrotoluene

Concen: 7.709 ng

RT: 14.71 min Scan# 1944

Delta R.T. 0.42 min

Lab File: BG034147.D

Acq: 3 May 2018 12:03

Instrument :

BNA_G

ClientSampleId :

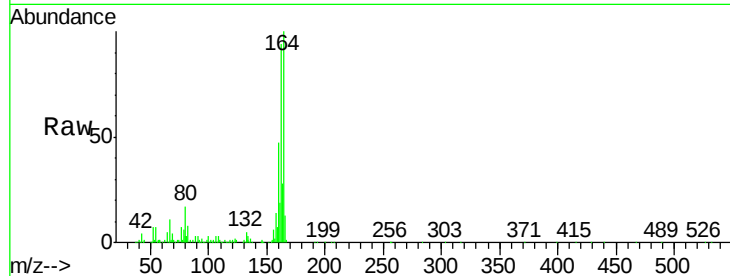
Tot Ion:165 Resp: 24700

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

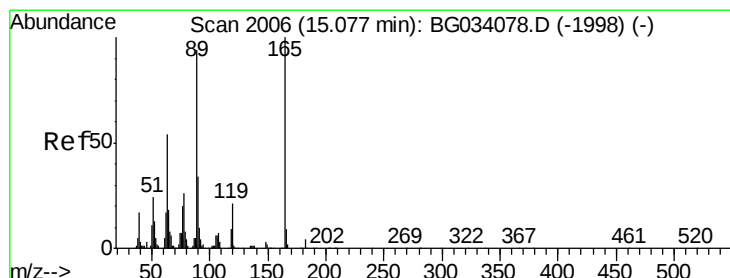
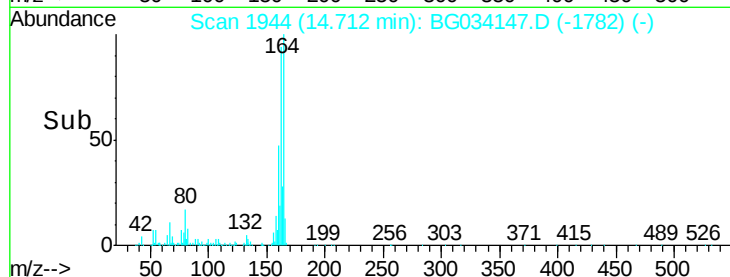
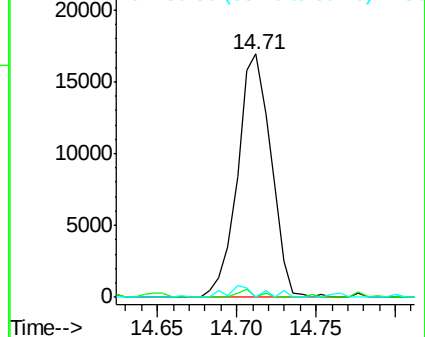
89 0.0 49.2 73.8#



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



#56

2,4-Dinitrotoluene

Concen: 5.677 ng

RT: 14.71 min Scan# 1944

Delta R.T. -0.37 min

Lab File: BG034147.D

Acq: 3 May 2018 12:03

Tgt Ion:165 Resp: 24700

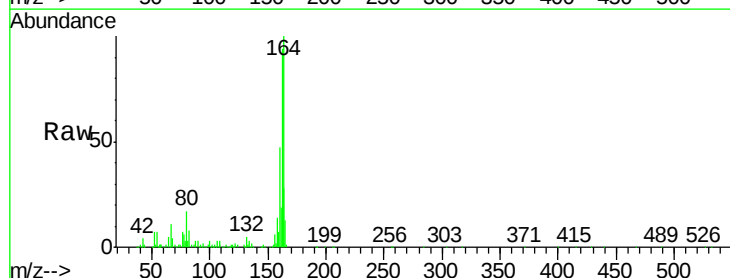
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

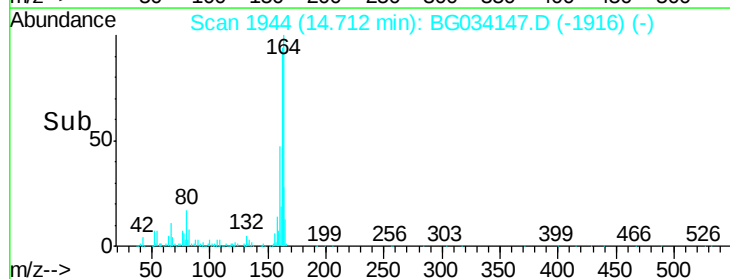
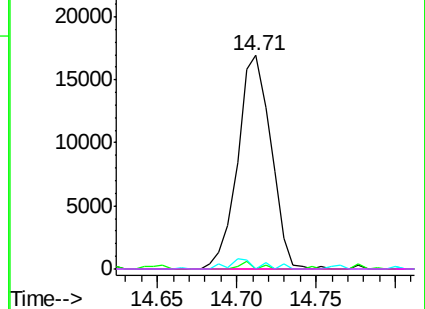


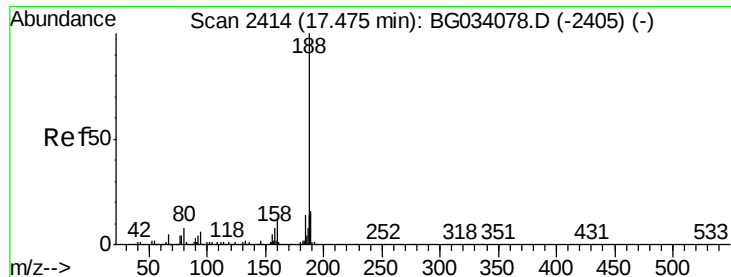
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.46 min Scan# 2412

Delta R.T. -0.01 min

Lab File: BG034147.D

Acq: 3 May 2018 12:03

Instrument :

BNA_G

ClientSampleId :

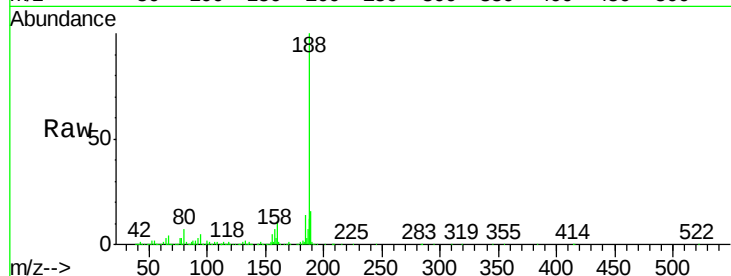
Tot Ion:188 Resp: 587407

Ion Ratio Lower Upper

188 100

94 5.5 6.9 10.3#

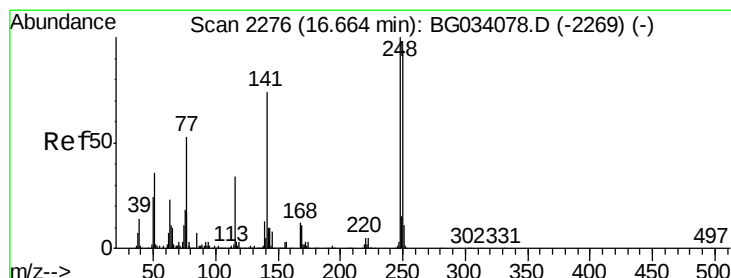
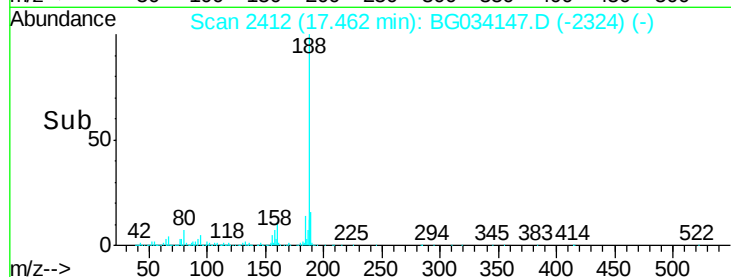
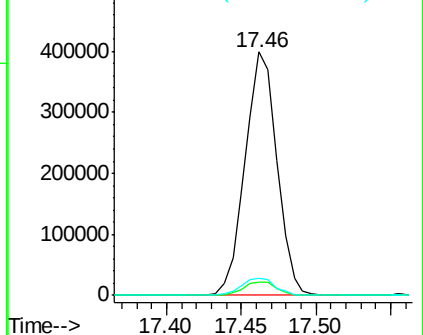
80 7.2 7.7 11.5#



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



#66

4-Bromophenyl-phenylether

Concen: 5.227 ng

RT: 16.20 min Scan# 2197

Delta R.T. -0.47 min

Lab File: BG034147.D

Acq: 3 May 2018 12:03

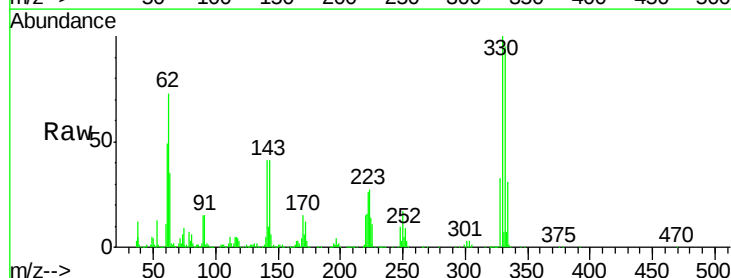
Tgt Ion:248 Resp: 38121

Ion Ratio Lower Upper

248 100

250 176.8 77.1 115.7#

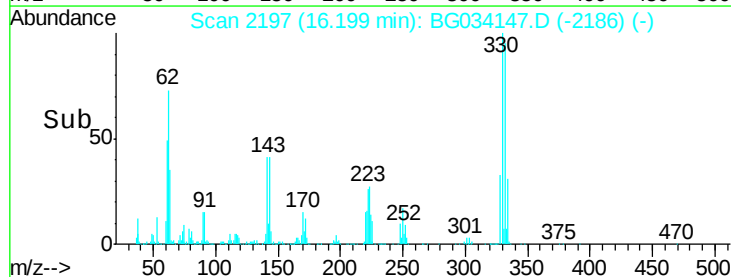
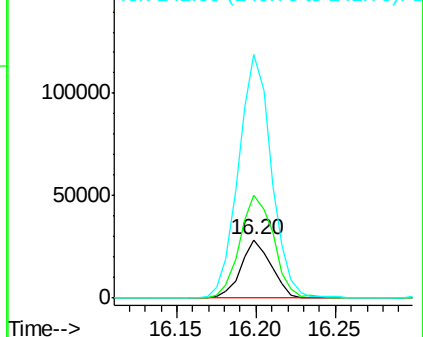
141 416.6 50.8 76.2#

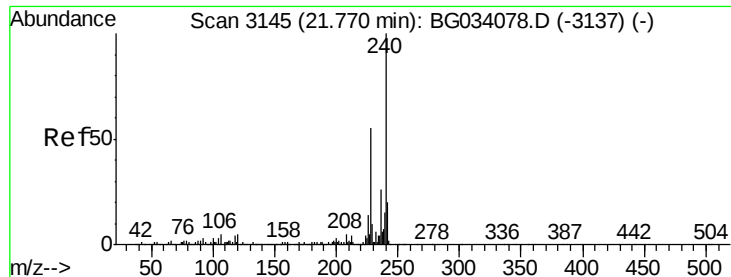


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.75 min Scan# 3142

Delta R.T. -0.02 min

Lab File: BG034147.D

Acq: 3 May 2018 12:03

Instrument :

BNA_G

ClientSampleId :

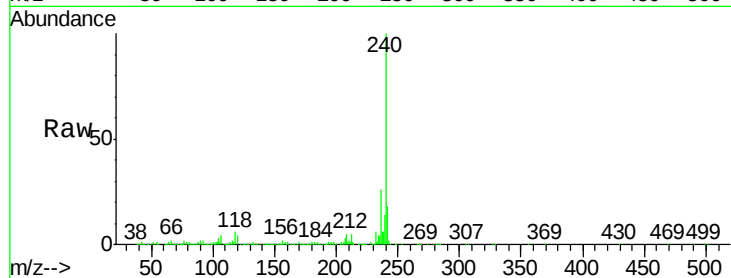
Tot Ion:240 Resp: 716396

Ion Ratio Lower Upper

240 100

120 4.4 6.8 10.2#

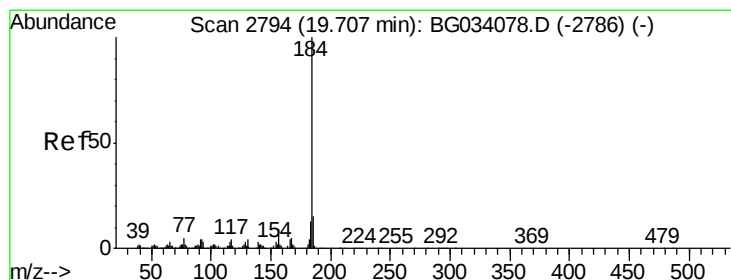
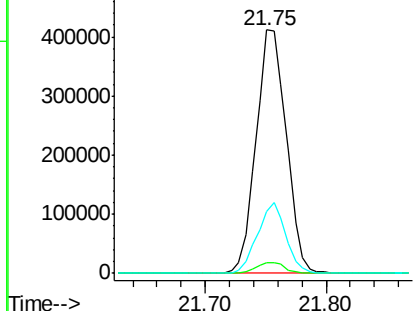
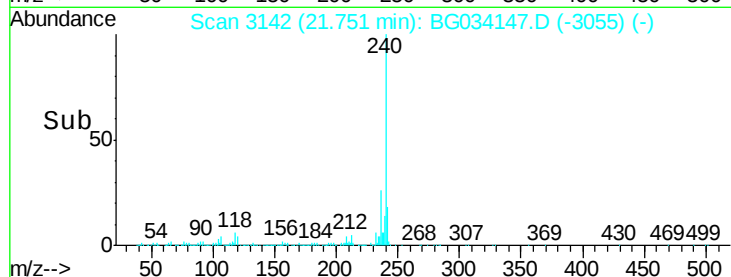
236 25.6 20.9 31.3



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: 3.462 ng

RT: 20.08 min Scan# 2858

Delta R.T. 0.38 min

Lab File: BG034147.D

Acq: 3 May 2018 12:03

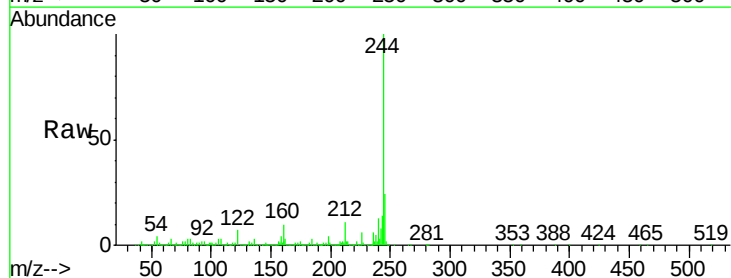
Tgt Ion:184 Resp: 63887

Ion Ratio Lower Upper

184 100

185 13.2 11.1 16.7

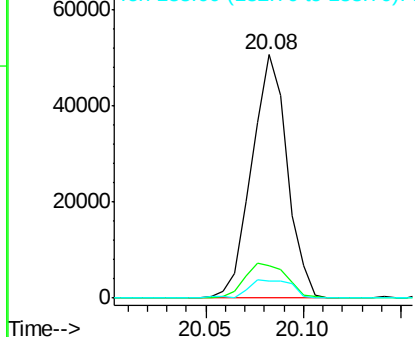
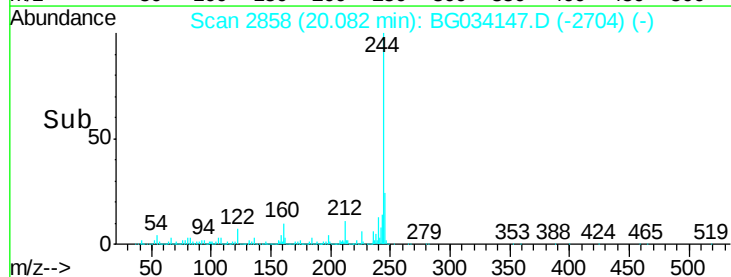
183 7.1 10.6 16.0#

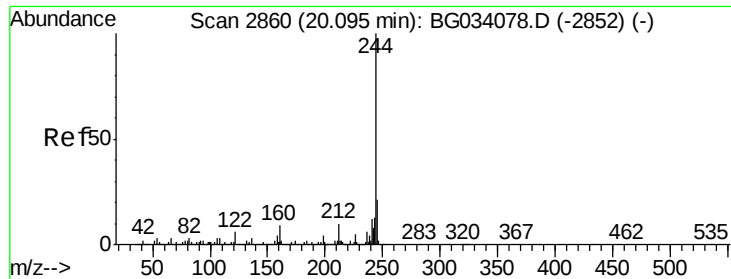


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 88.066 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG034147.D

Acq: 3 May 2018 12:03

Instrument :

BNA_G

ClientSampleId :

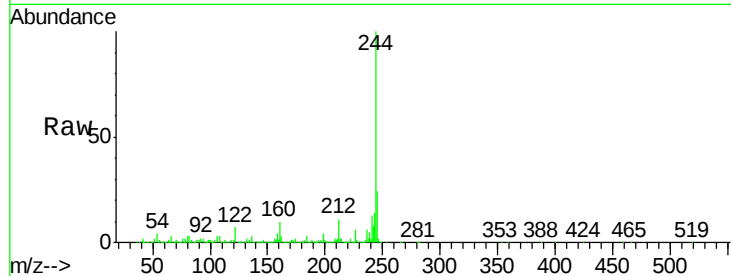
Tot Ion:244 Resp: 2879937

Ion Ratio Lower Upper

244 100

212 10.7 5.8 8.8#

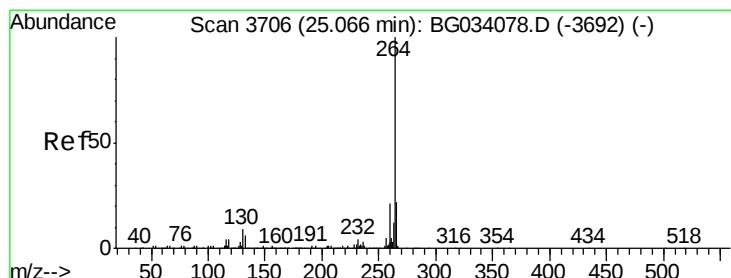
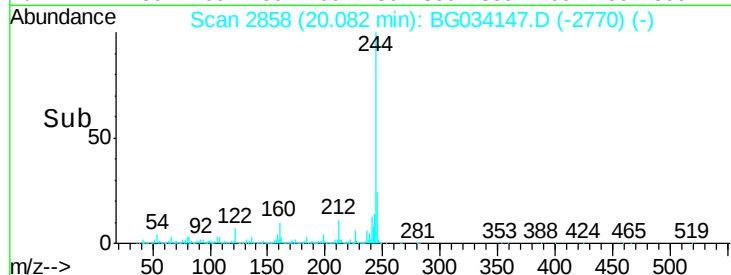
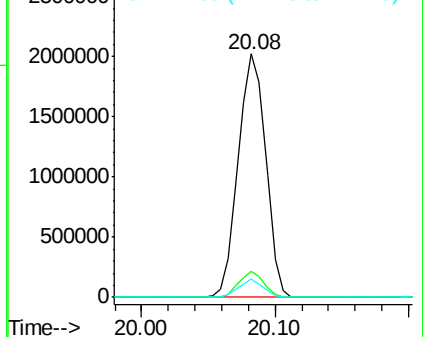
122 7.3 7.0 10.4



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: 25.04 min Scan# 3702

Delta R.T. -0.02 min

Lab File: BG034147.D

Acq: 3 May 2018 12:03

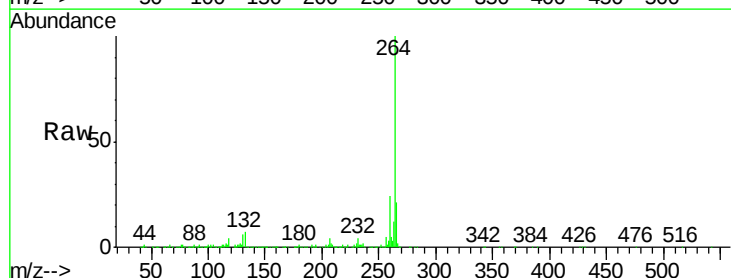
Tgt Ion:264 Resp: 691361

Ion Ratio Lower Upper

264 100

260 23.7 17.4 26.0

265 21.0 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

