

Data Path : Z:\HPCHEM1\BNA G\DATA\BG050218\
 Data File : BG034141.D
 Acq On : 3 May 2018 8:14
 Operator : SJ/JU
 Sample : J2665-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 03 11:52:46 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

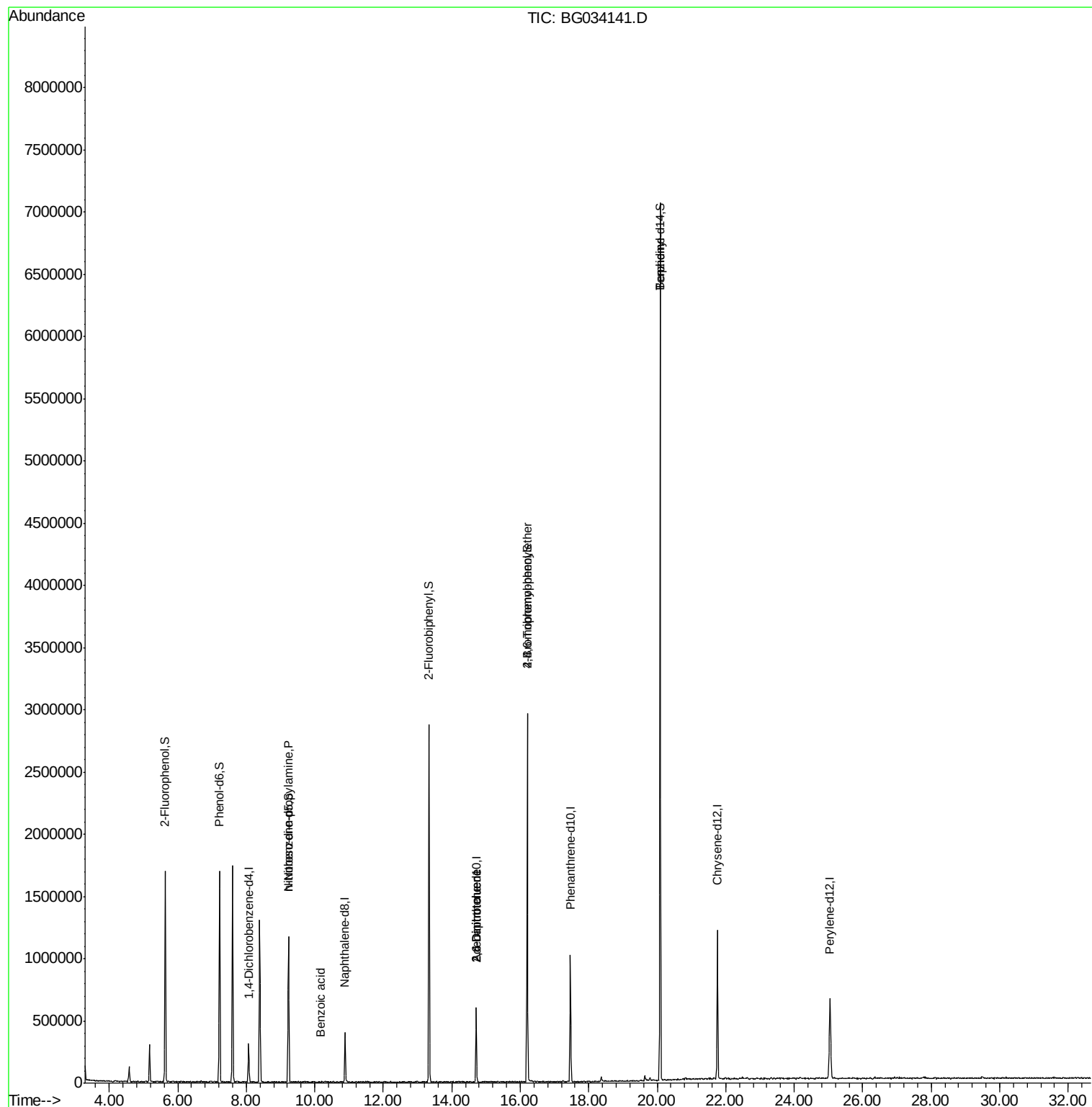
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	74224	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	272511	20.00	ng	0.00
38) Acenaphthene-d10	14.71	164	209265	20.00	ng	-0.02
63) Phenanthrene-d10	17.47	188	613480	20.00	ng	0.00
75) Chrysene-d12	21.75	240	748225	20.00	ng	-0.02
86) Perylene-d12	25.04	264	721500	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	614445	133.75	ng	0.00
7) Phenol-d6	7.22	99	825671	115.44	ng	0.00
23) Nitrobenzene-d5	9.23	82	701409	98.75	ng	0.00
41) 2,4,6-Tribromophenol	16.20	330	475667	164.15	ng	0.00
44) 2-Fluorobiphenyl	13.33	172	1413963	98.46	ng	-0.02
78) Terphenyl-d14	20.09	244	3075760	90.05	ng	0.00
Target Compounds						
9) Benzaldehyde	7.22	77	2883	Below Cal	Qvalue	
19) n-Nitroso-di-n-propylamine	9.23	70	106755	16.621 ng	#	5
32) Benzoic acid	10.17	122	170	3.165 ng	#	1
50) 2,6-Dinitrotoluene	14.72	165	28519	8.183 ng	#	23
56) 2,4-Dinitrotoluene	14.72	165	28519	6.027 ng	#	20
66) 4-Bromophenyl-phenylether	16.20	248	42660	5.601 ng	#	1
76) Benzidine	20.09	184	66598	3.455 ng		97

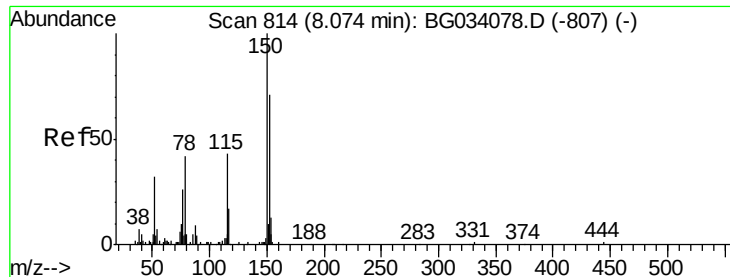
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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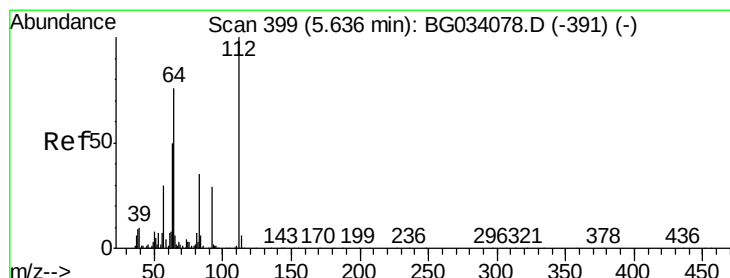
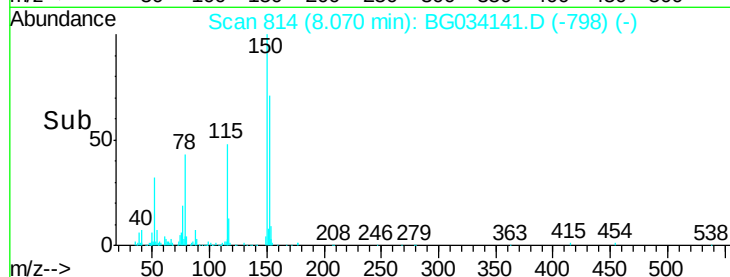
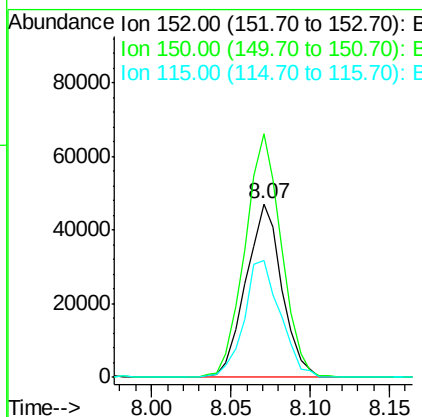
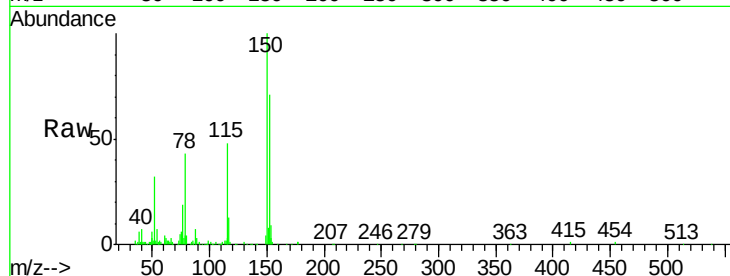


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.00 min
Lab File: BG034141.D
Acq: 3 May 2018 8:14

Instrument :
BNA_G
ClientSampleId :

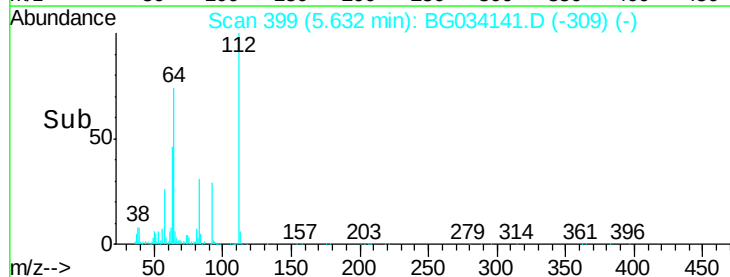
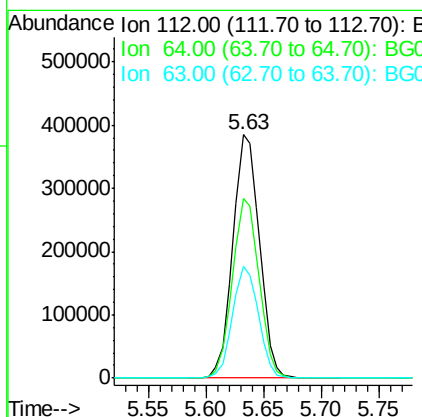
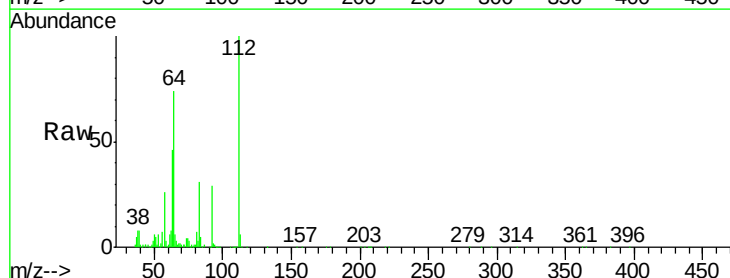
Tot Ion	Ratio	Lower	Upper
152	100		
150	140.6	126.6	189.8
115	67.5	53.0	79.4

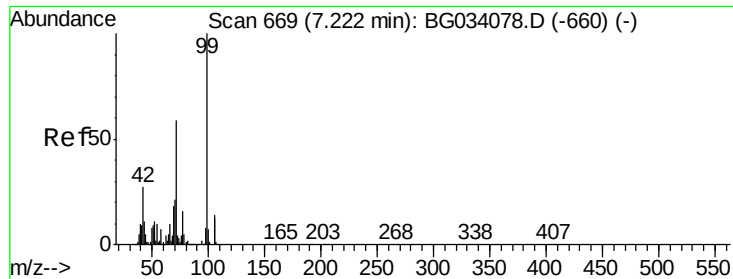


#5

2-Fluorophenol
Concen: 133.746 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.00 min
Lab File: BG034141.D
Acq: 3 May 2018 8:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.7	56.3	84.5
63	46.1	30.1	45.1





#7

Phenol-d6

Concen: 115.443 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG034141.D

Acq: 3 May 2018 8:14

Instrument :

BNA_G

ClientSampleId :

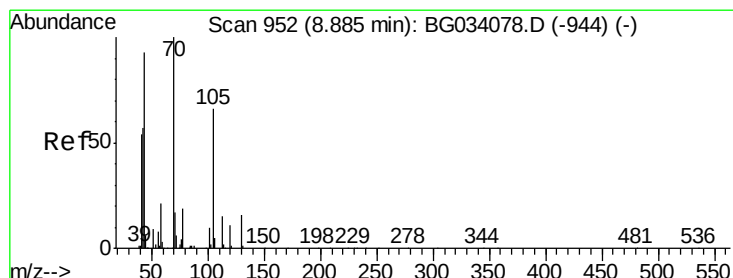
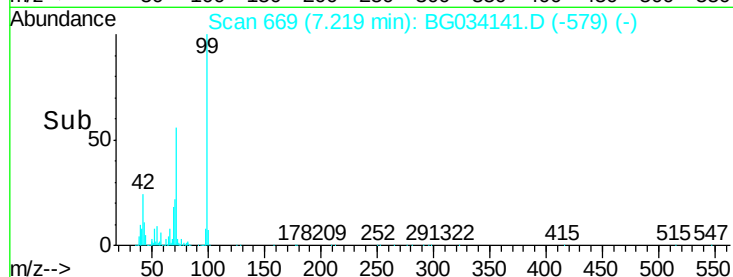
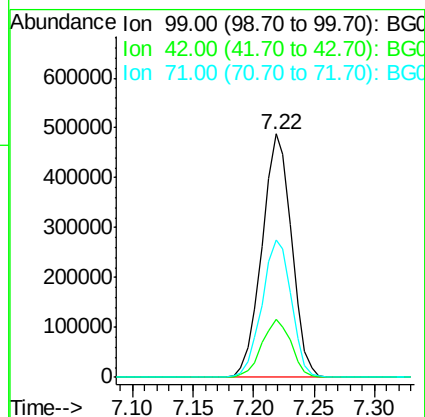
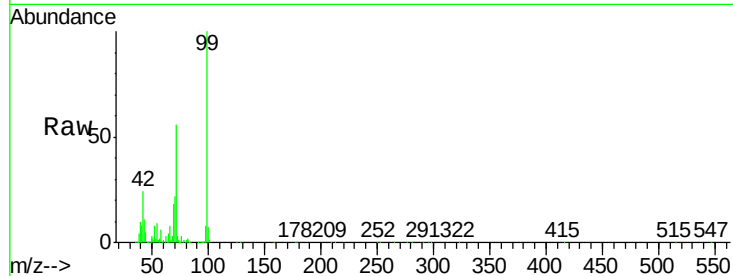
Tot Ion: 99 Resp: 825671

Ion Ratio Lower Upper

99 100

42 23.7 14.1 21.1#

71 56.4 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 16.621 ng

RT: 9.23 min Scan# 1012

Delta R.T. 0.35 min

Lab File: BG034141.D

Acq: 3 May 2018 8:14

Tgt Ion: 70 Resp: 106755

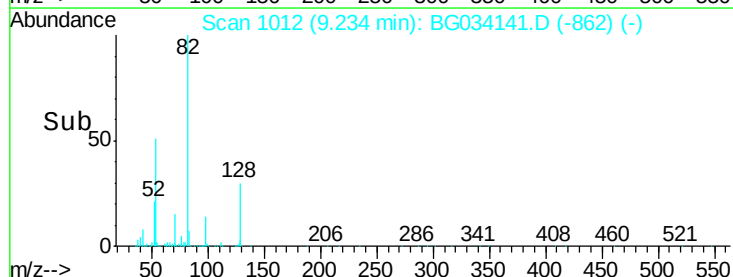
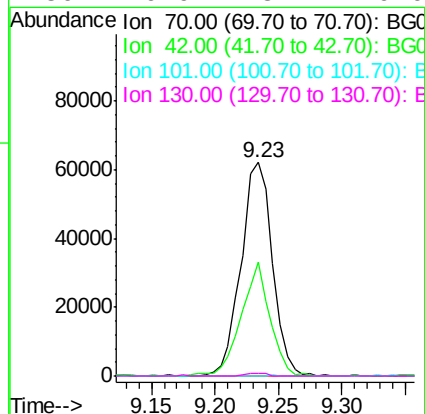
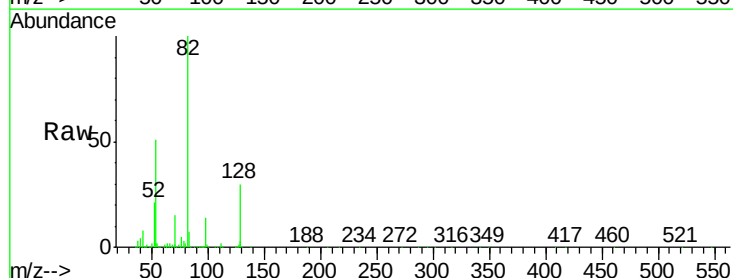
Ion Ratio Lower Upper

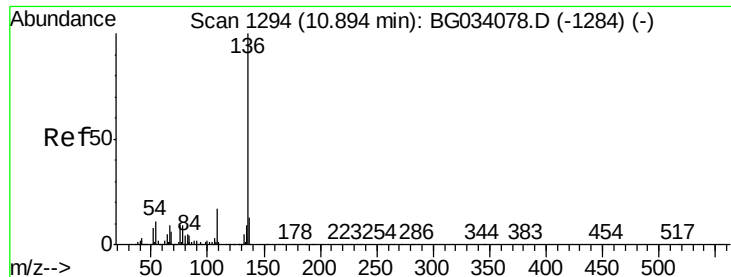
70 100

42 53.1 49.1 73.7

101 0.0 8.5 12.7#

130 0.9 13.4 20.0#

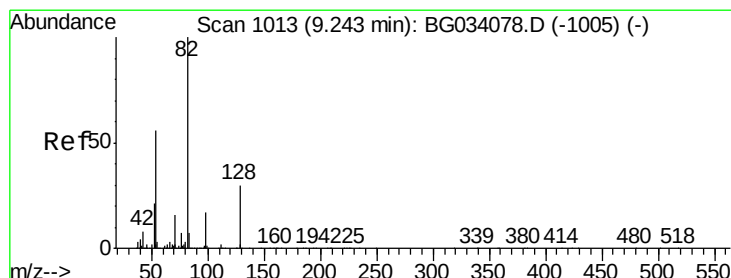
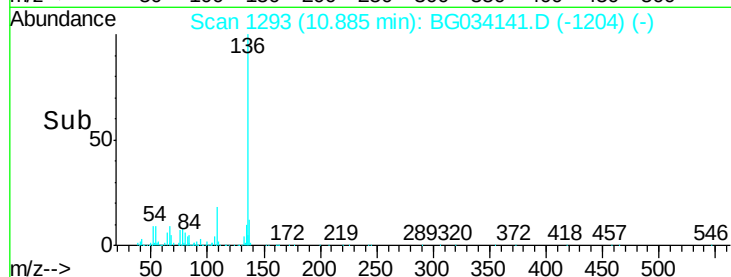
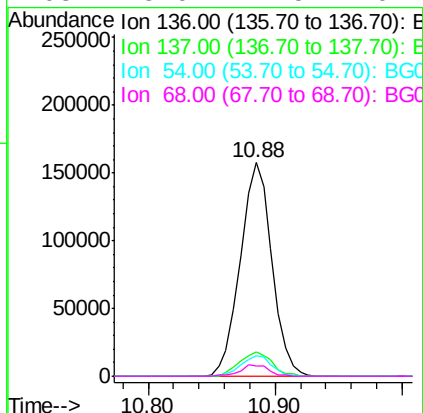
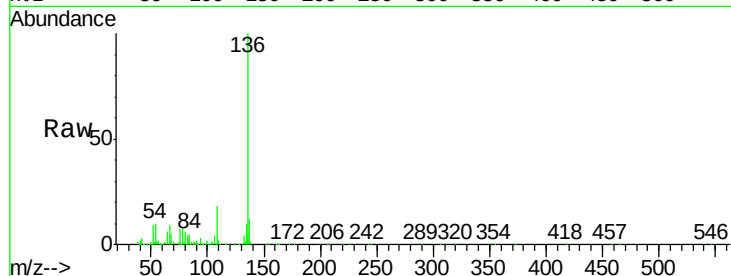




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG034141.D
Acq: 3 May 2018 8:14

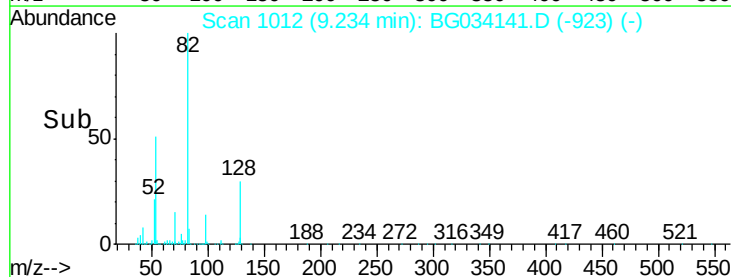
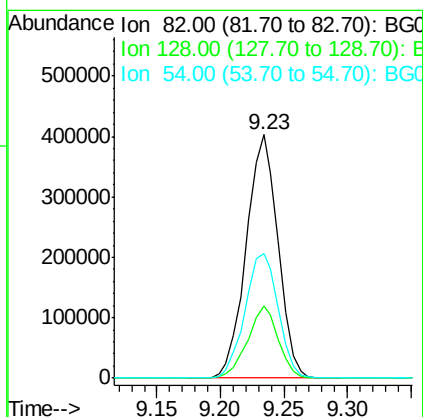
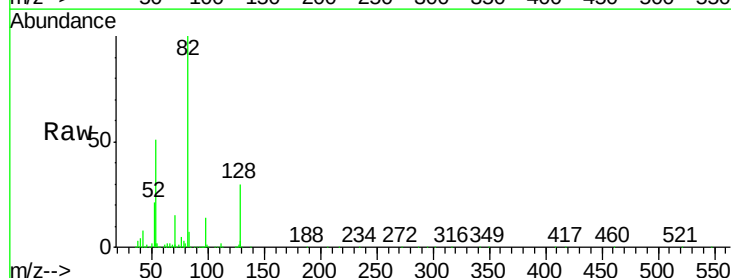
Instrument :
BNA_G
ClientSampleId :

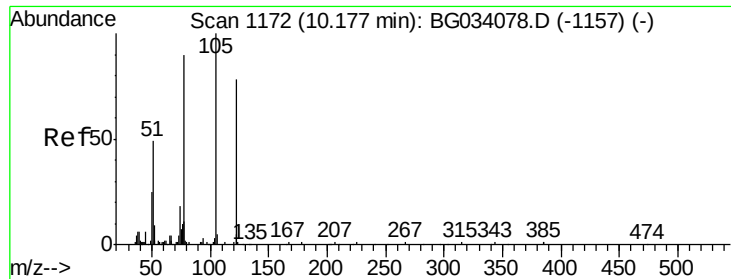
Tot Ion:136	Resp:	272511
Ion	Ratio	Lower Upper
136	100	
137	11.6	9.2 13.8
54	9.5	10.3 15.5
68	5.0	4.5 6.7



#23
Nitrobenzene-d5
Concen: 98.754 ng
RT: 9.23 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BG034141.D
Acq: 3 May 2018 8:14

Tgt Ion: 82	Resp:	701409
Ion	Ratio	Lower Upper
82	100	
128	29.7	29.7 44.5
54	51.1	43.1 64.7

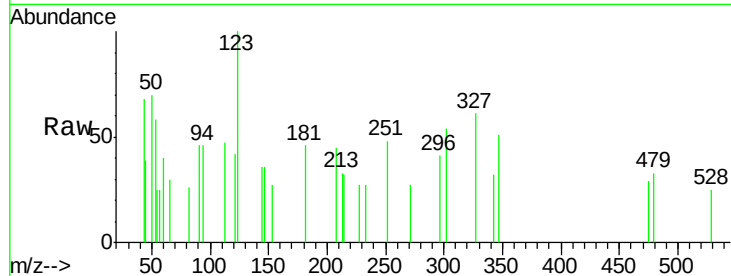




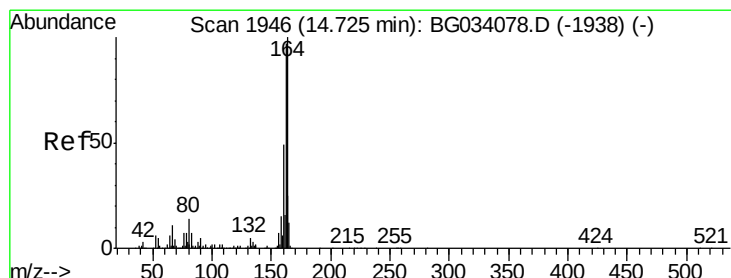
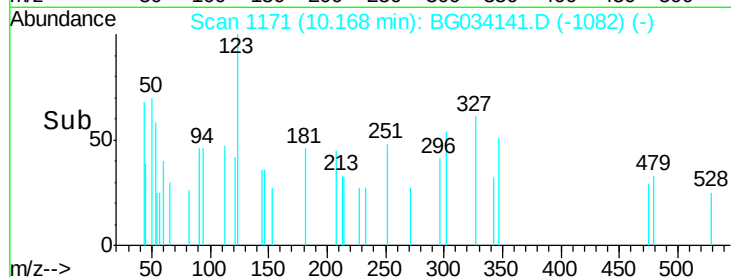
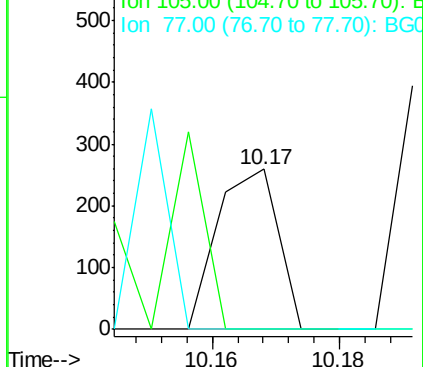
#32
Benzoic acid
Concen: 3.165 ng
RT: 10.17 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BG034141.D
Acq: 3 May 2018 8:14

Instrument :
BNA_G
ClientSampled :

Tot Ion:122 Resp: 170
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#

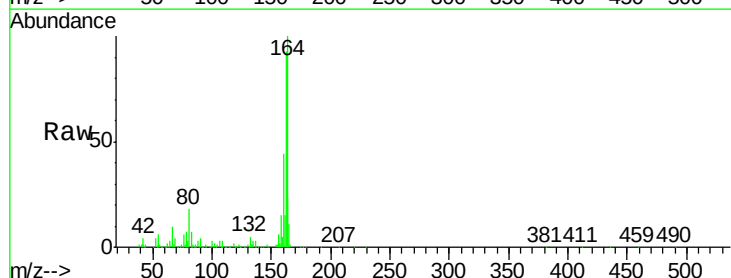


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

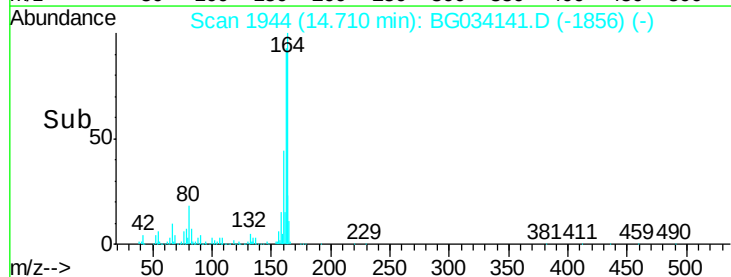
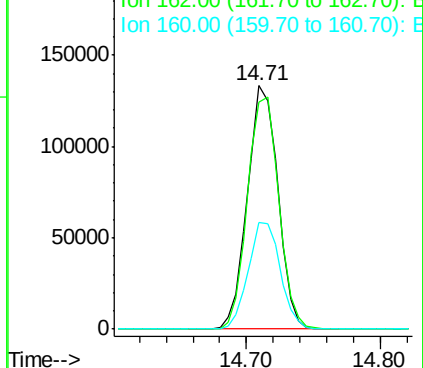


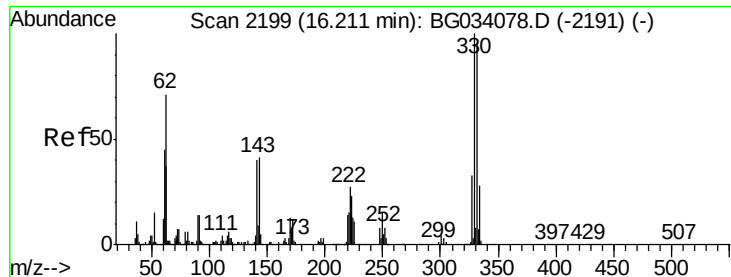
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.71 min Scan# 1944
Delta R.T. -0.02 min
Lab File: BG034141.D
Acq: 3 May 2018 8:14

Tgt Ion:164 Resp: 209265
Ion Ratio Lower Upper
164 100
162 93.1 78.8 118.2
160 43.6 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

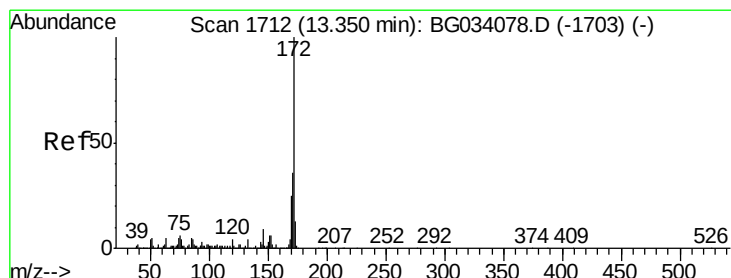
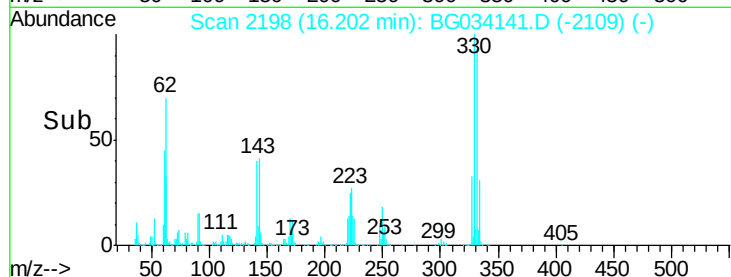
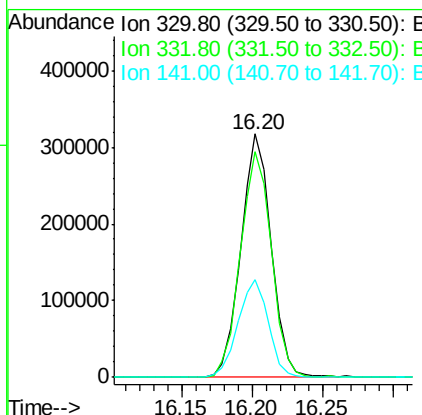
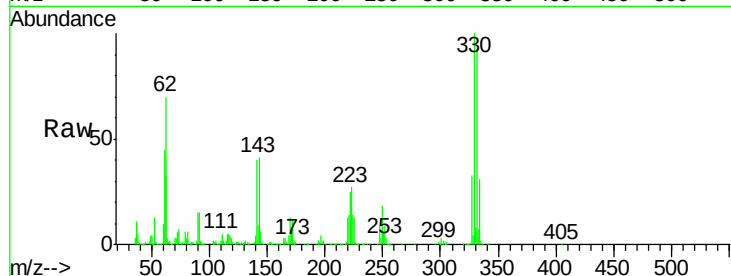




#41
 2,4,6-Tribromophenol
 Concen: 164.153 ng
 RT: 16.20 min Scan# 2198
 Delta R.T. -0.01 min
 Lab File: BG034141.D
 Acq: 3 May 2018 8:14

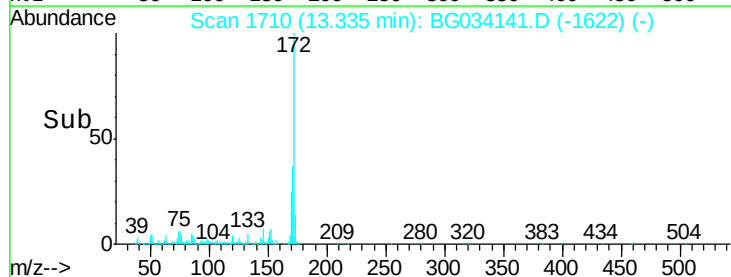
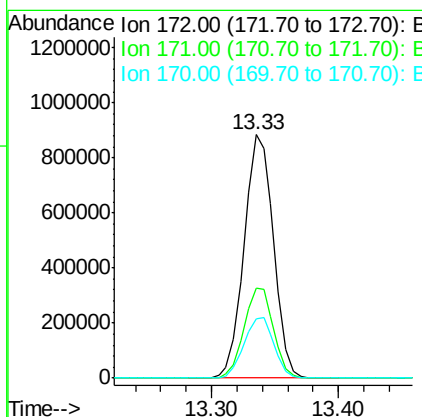
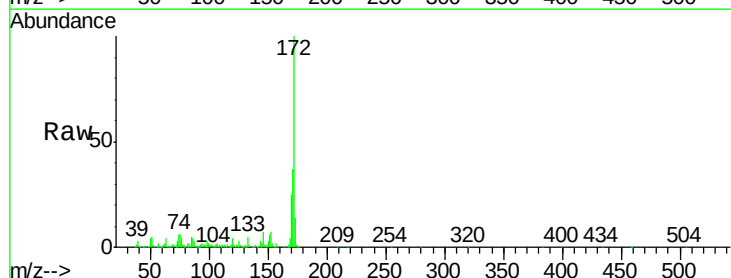
Instrument :
 BNA_G
 ClientSampleId :

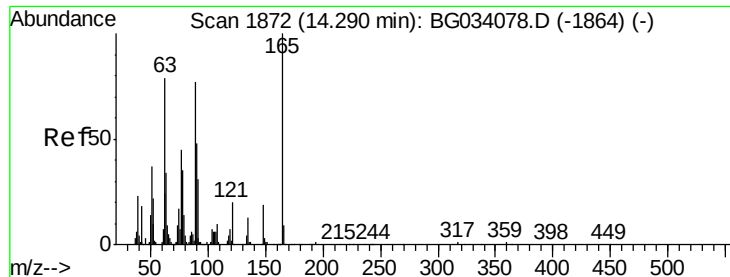
Tot Ion:330 Resp: 475667
 Ion Ratio Lower Upper
 330 100
 332 94.9 77.0 115.6
 141 40.5 25.2 37.8#



#44
 2-Fluorobiphenyl
 Concen: 98.457 ng
 RT: 13.33 min Scan# 1710
 Delta R.T. -0.02 min
 Lab File: BG034141.D
 Acq: 3 May 2018 8:14

Tgt Ion:172 Resp: 1413963
 Ion Ratio Lower Upper
 172 100
 171 37.0 30.0 45.0
 170 24.5 19.5 29.3





#50

2,6-Dinitrotoluene

Concen: 8.183 ng

RT: 14.72 min Scan# 1945

Delta R.T. 0.43 min

Lab File: BG034141.D

Acq: 3 May 2018 8:14

Instrument :

BNA_G

ClientSampleId :

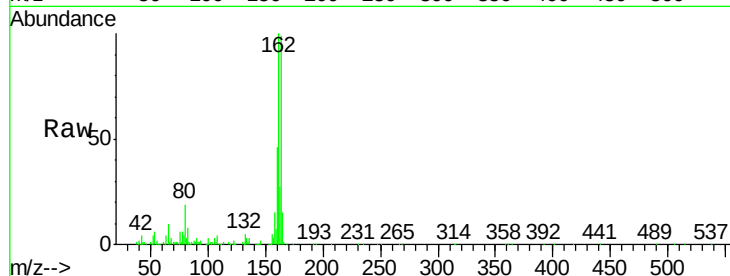
Tot Ion:165 Resp: 28519

Ion Ratio Lower Upper

165 100

63 2.1 52.7 79.1#

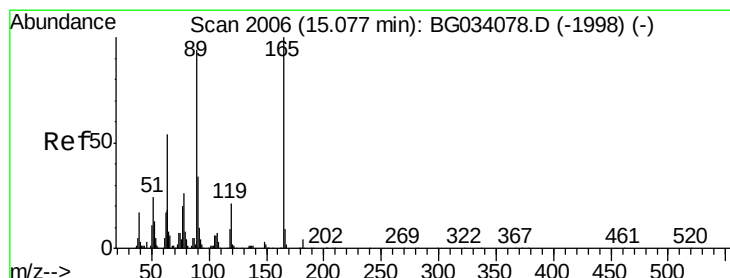
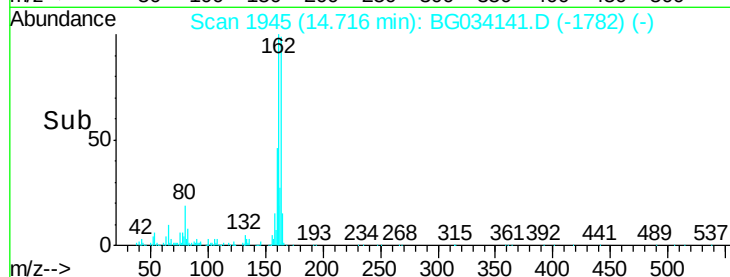
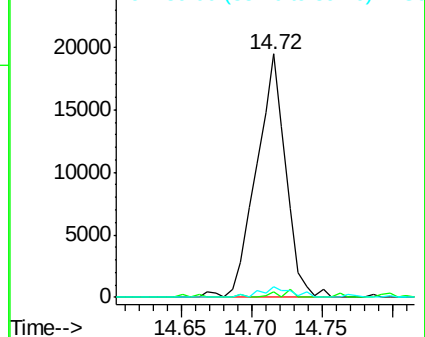
89 4.5 49.2 73.8#



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: 6.027 ng

RT: 14.72 min Scan# 1945

Delta R.T. -0.36 min

Lab File: BG034141.D

Acq: 3 May 2018 8:14

Tgt Ion:165 Resp: 28519

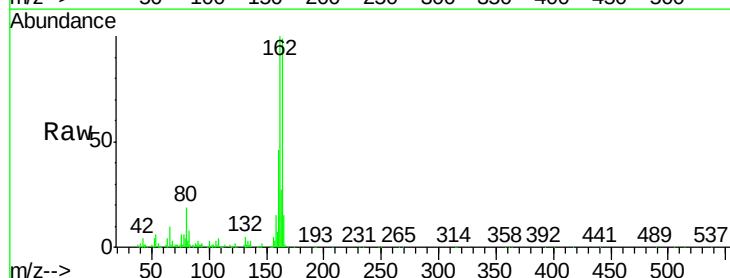
Ion Ratio Lower Upper

165 100

63 2.1 42.0 63.0#

89 4.5 66.9 100.3#

182 0.0 2.6 3.8#

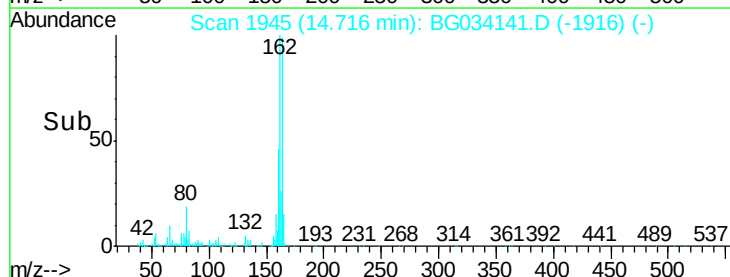
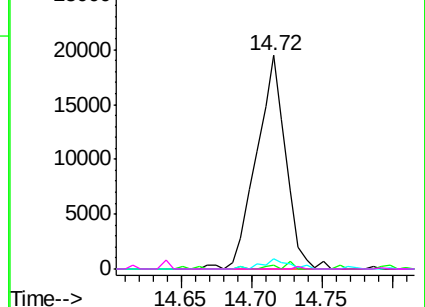


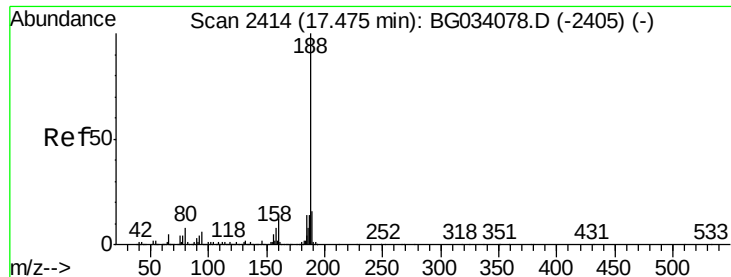
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.47 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BG034141.D

Acq: 3 May 2018 8:14

Instrument :

BNA_G

ClientSampleId :

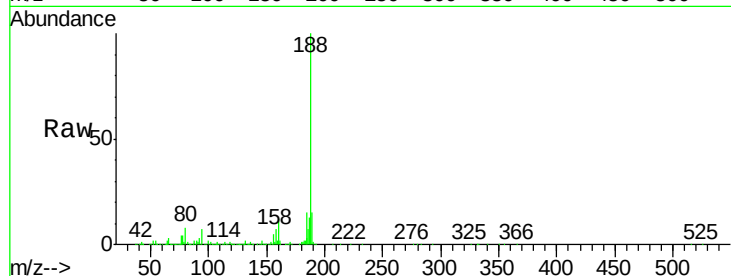
Tot Ion:188 Resp: 613480

Ion Ratio Lower Upper

188 100

94 6.5 6.9 10.3#

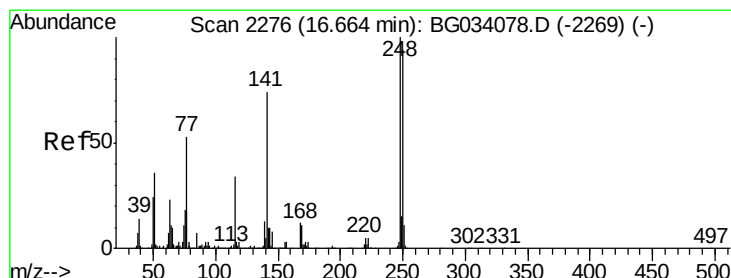
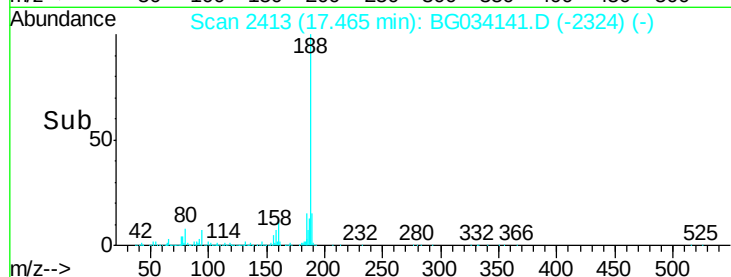
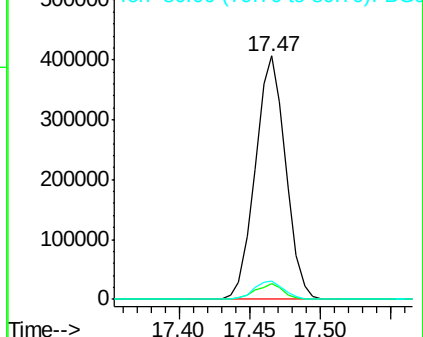
80 7.5 7.7 11.5#



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: 5.601 ng

RT: 16.20 min Scan# 2198

Delta R.T. -0.46 min

Lab File: BG034141.D

Acq: 3 May 2018 8:14

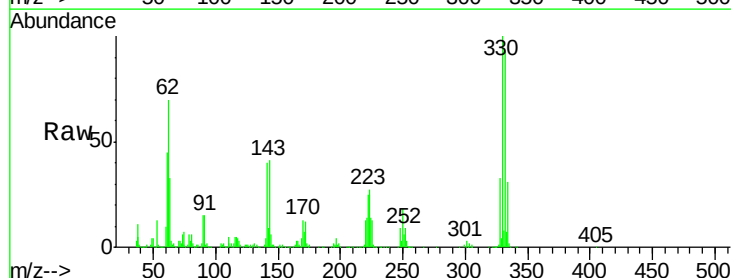
Tgt Ion:248 Resp: 42660

Ion Ratio Lower Upper

248 100

250 197.9 77.1 115.7#

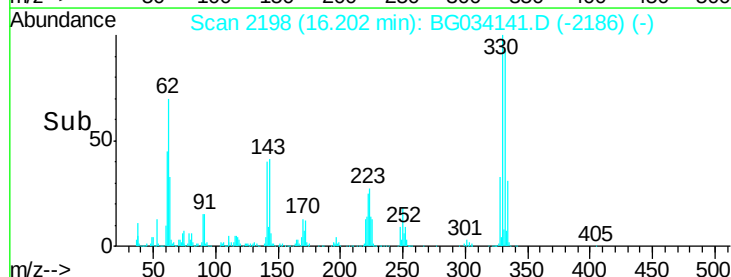
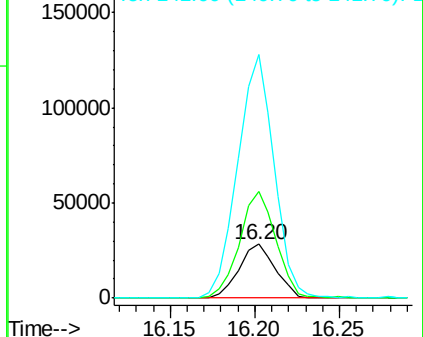
141 453.7 50.8 76.2#

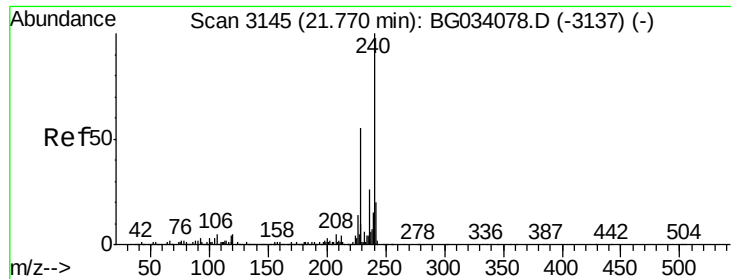


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3143

Delta R.T. -0.02 min

Lab File: BG034141.D

Acq: 3 May 2018 8:14

Instrument :

BNA_G

ClientSampleId :

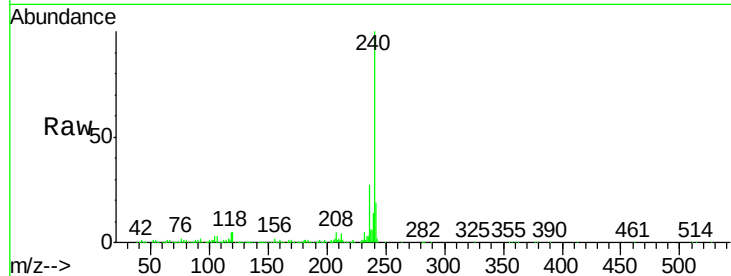
Tot Ion:240 Resp: 748225

Ion Ratio Lower Upper

240 100

120 4.9 6.8 10.2#

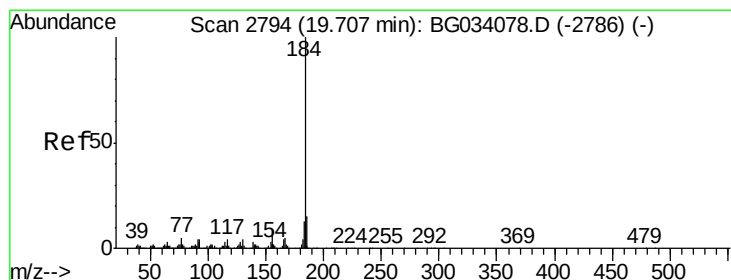
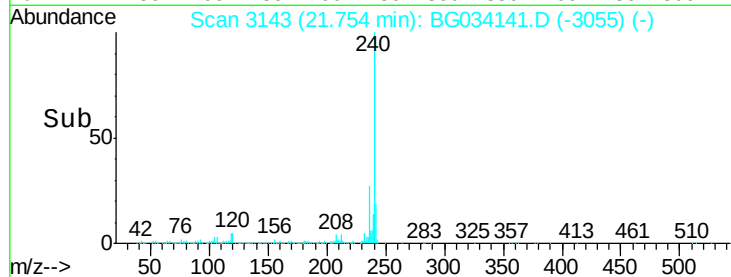
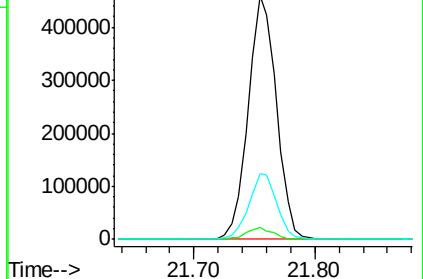
236 27.1 20.9 31.3



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: 3.455 ng

RT: 20.09 min Scan# 2859

Delta R.T. 0.38 min

Lab File: BG034141.D

Acq: 3 May 2018 8:14

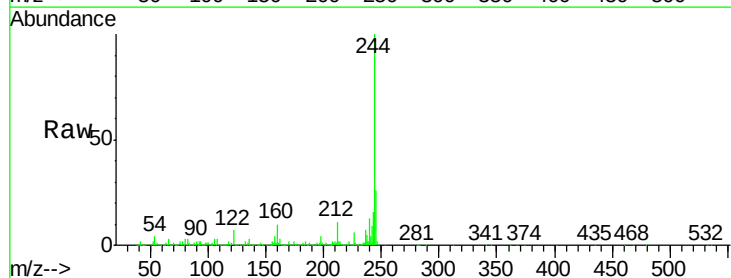
Tgt Ion:184 Resp: 66598

Ion Ratio Lower Upper

184 100

185 13.6 11.1 16.7

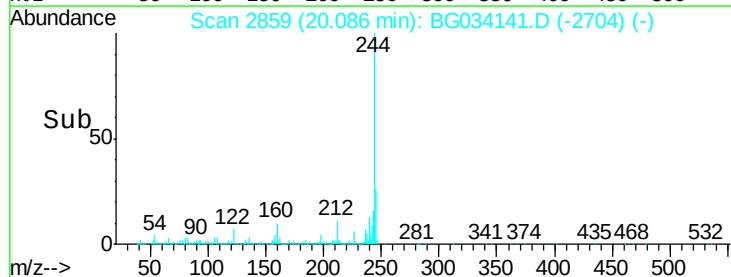
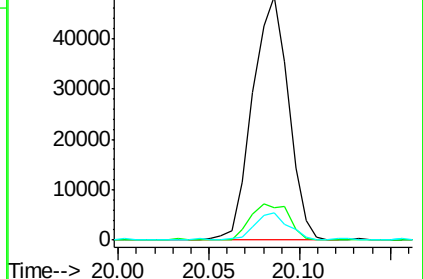
183 11.1 10.6 16.0

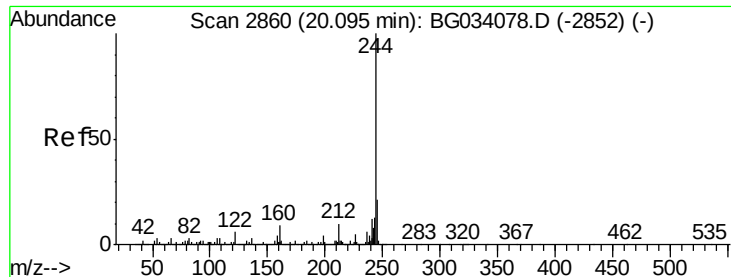


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 90.053 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BG034141.D

Acq: 3 May 2018 8:14

Instrument :

BNA_G

ClientSampled :

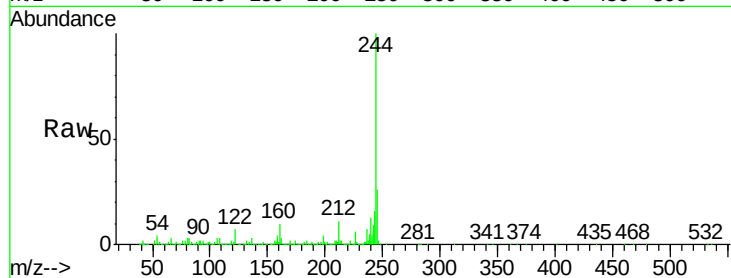
Tot Ion:244 Resp: 3075760

Ion Ratio Lower Upper

244 100

212 11.1 5.8 8.8#

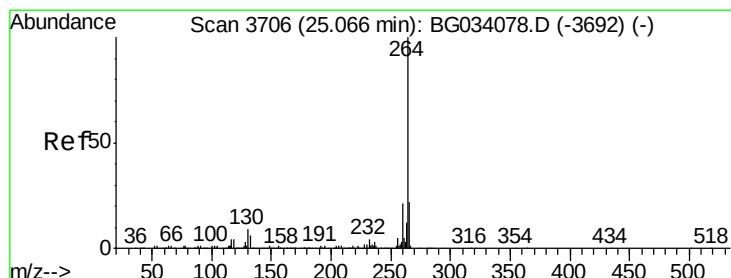
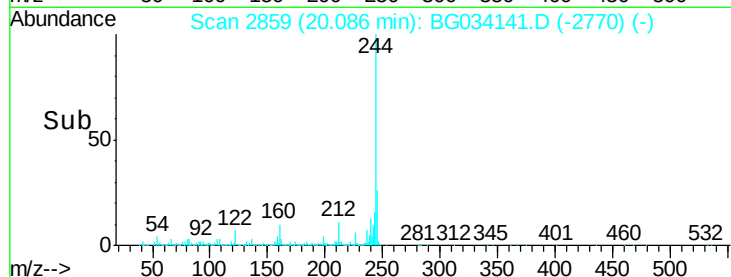
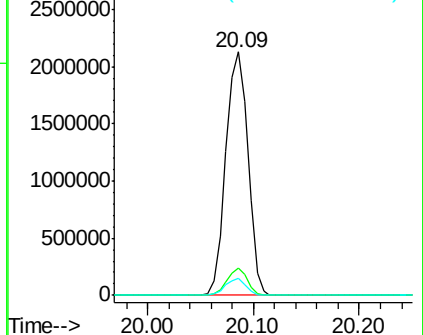
122 7.1 7.0 10.4



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: 25.04 min Scan# 3703

Delta R.T. -0.02 min

Lab File: BG034141.D

Acq: 3 May 2018 8:14

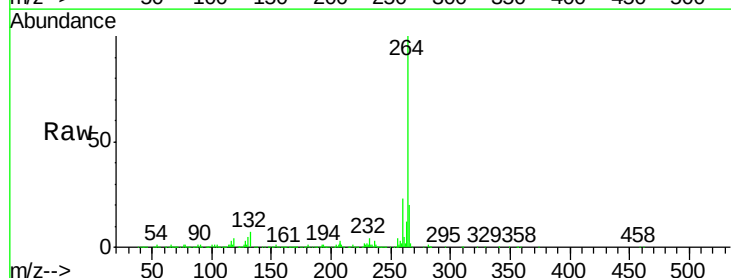
Tgt Ion:264 Resp: 721500

Ion Ratio Lower Upper

264 100

260 23.0 17.4 26.0

265 20.1 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

