

Data Path : Z:\HPCHEM1\BNA G\DATA\BG050218\
 Data File : BG034146.D
 Acq On : 3 May 2018 11:25
 Operator : SJ/JU
 Sample : J2667-10
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 03 12:05:12 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

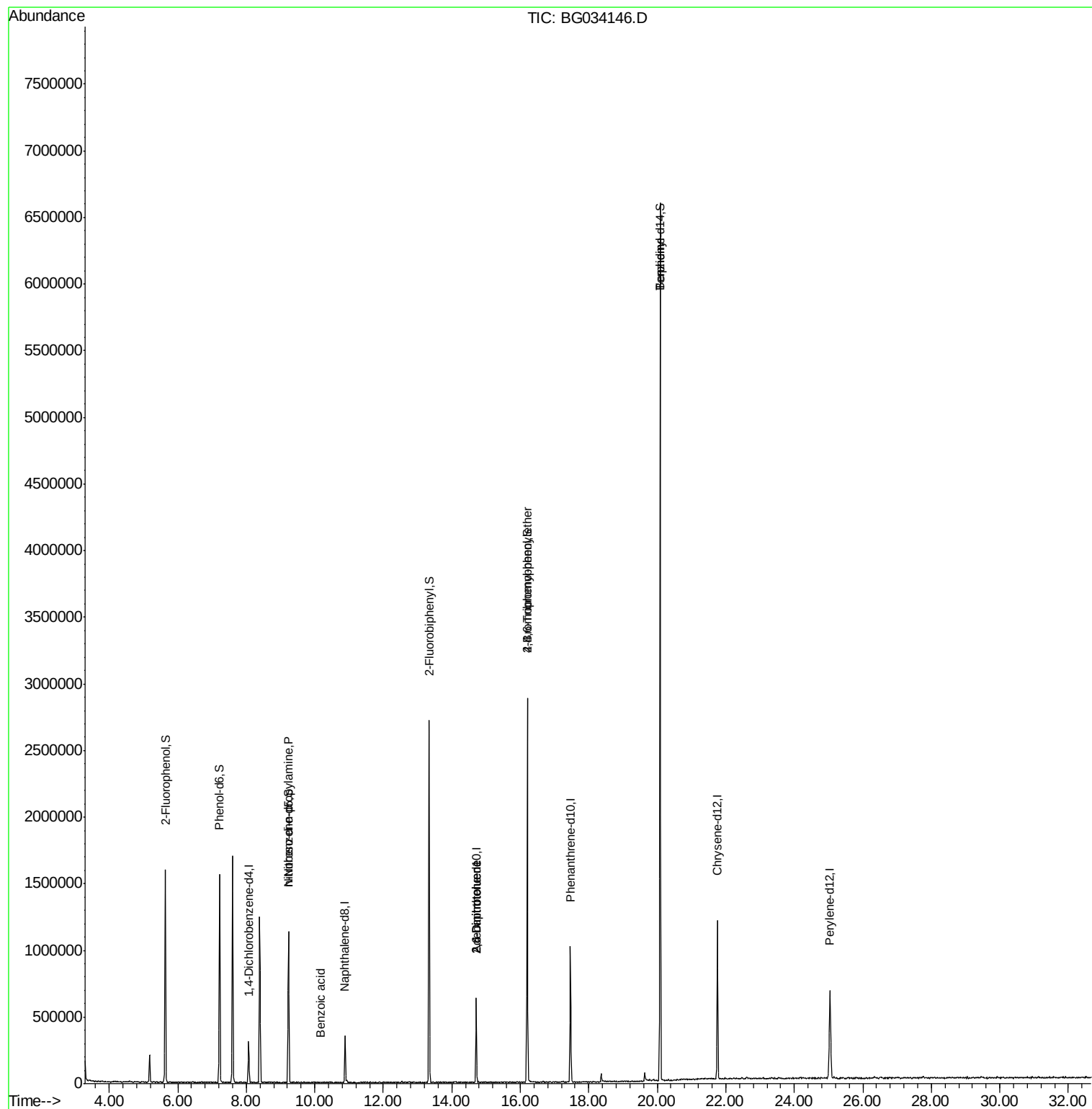
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	67712	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	258259	20.00	ng	0.00
38) Acenaphthene-d10	14.71	164	210530	20.00	ng	-0.01
63) Phenanthrene-d10	17.46	188	606733	20.00	ng	-0.01
75) Chrysene-d12	21.75	240	739342	20.00	ng	-0.02
86) Perylene-d12	25.04	264	737264	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	579383	138.24	ng	0.00
7) Phenol-d6	7.22	99	778751	119.35	ng	0.00
23) Nitrobenzene-d5	9.23	82	656682	97.56	ng	-0.01
41) 2,4,6-Tribromophenol	16.20	330	451374	154.83	ng	-0.01
44) 2-Fluorobiphenyl	13.34	172	1340218	92.76	ng	-0.01
78) Terphenyl-d14	20.08	244	2958288	87.65	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.21	77	2491	Below Cal	Qvalue	
19) n-Nitroso-di-n-propylamine	9.23	70	99287	16.945 ng	#	5
32) Benzoic acid	10.18	122	151	3.162 ng	#	1
50) 2,6-Dinitrotoluene	14.71	165	27725	7.907 ng	#	20
56) 2,4-Dinitrotoluene	14.71	165	27725	5.824 ng	#	18
66) 4-Bromophenyl-phenylether	16.20	248	39681	5.268 ng	#	1
76) Benzidine	20.08	184	62362	3.274 ng	#	86

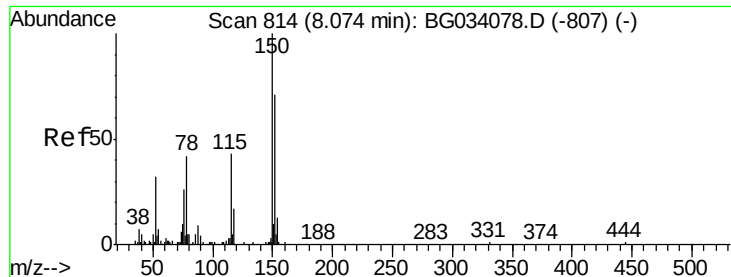
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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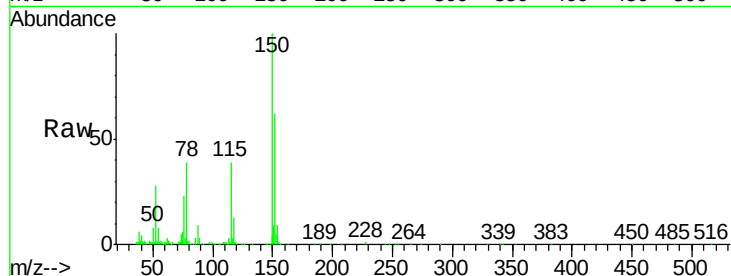


#1

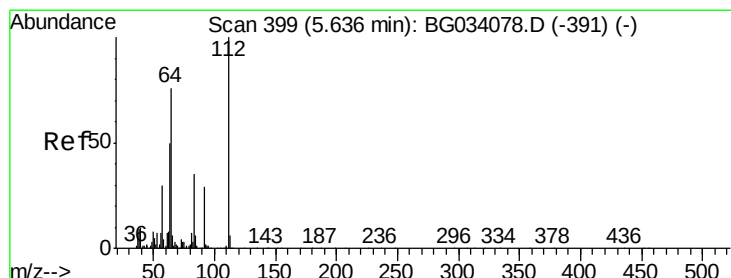
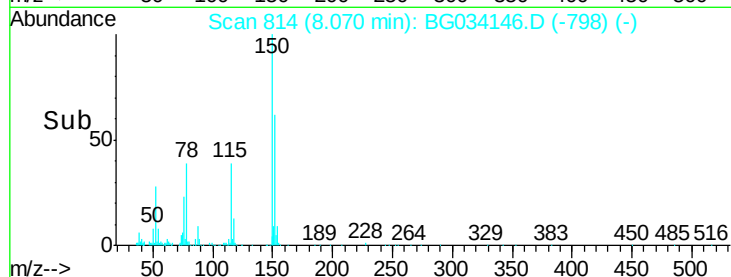
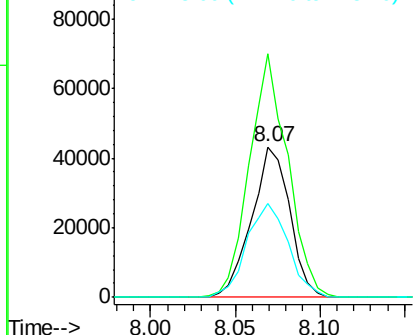
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.07 min Scan# 814
 Delta R.T. -0.00 min
 Lab File: BG034146.D
 Acq: 3 May 2018 11:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 67712
 Ion Ratio Lower Upper
 152 100
 150 161.6 126.6 189.8
 115 62.7 53.0 79.4



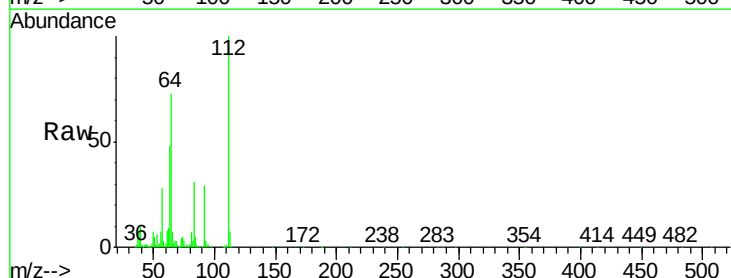
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



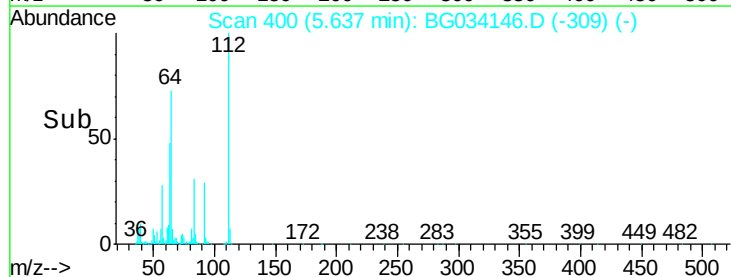
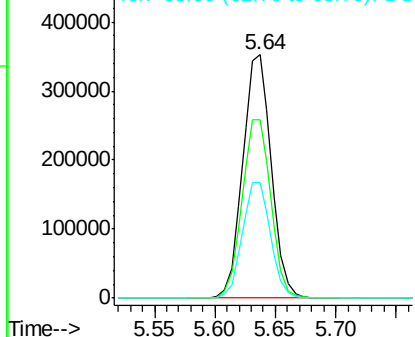
#5

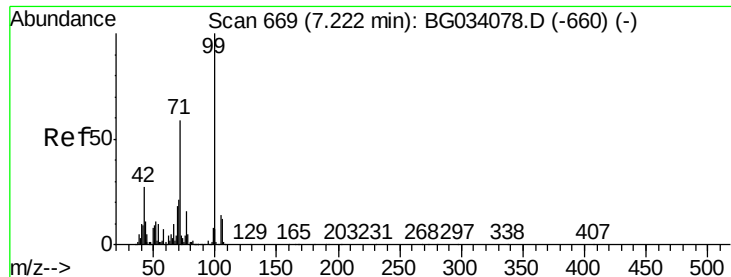
2-Fluorophenol
 Concen: 138.243 ng
 RT: 5.64 min Scan# 400
 Delta R.T. 0.00 min
 Lab File: BG034146.D
 Acq: 3 May 2018 11:25

Tgt Ion:112 Resp: 579383
 Ion Ratio Lower Upper
 112 100
 64 73.4 56.3 84.5
 63 47.6 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: 119.355 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG034146.D

Acq: 3 May 2018 11:25

Instrument :

BNA_G

ClientSampleId :

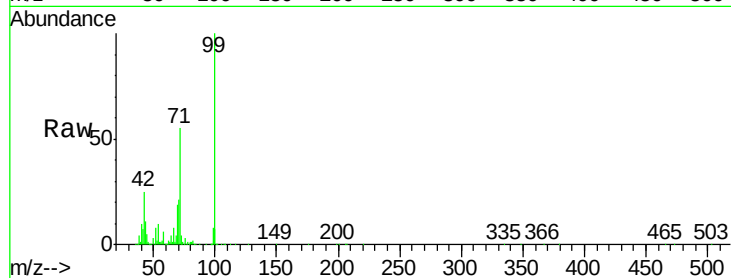
Tot Ion: 99 Resp: 778751

Ion Ratio Lower Upper

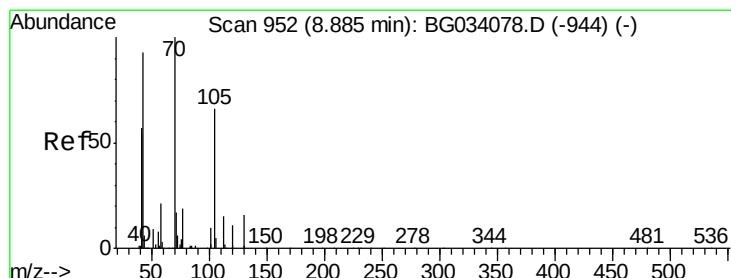
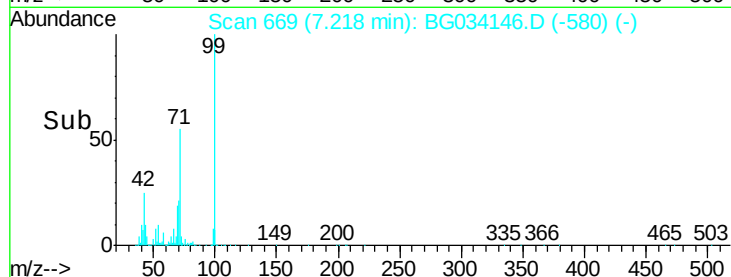
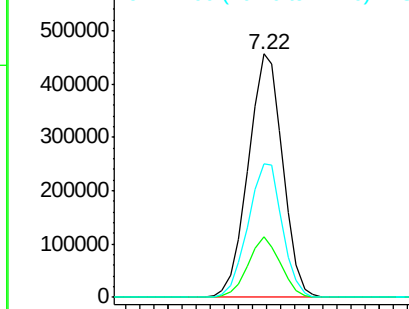
99 100

42 24.8 14.1 21.1#

71 55.1 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: 16.945 ng

RT: 9.23 min Scan# 1012

Delta R.T. 0.35 min

Lab File: BG034146.D

Acq: 3 May 2018 11:25

Tgt Ion: 70 Resp: 99287

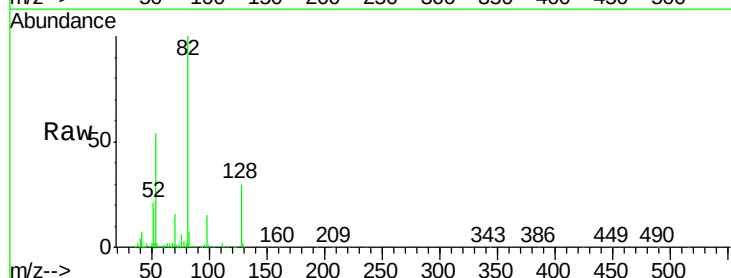
Ion Ratio Lower Upper

70 100

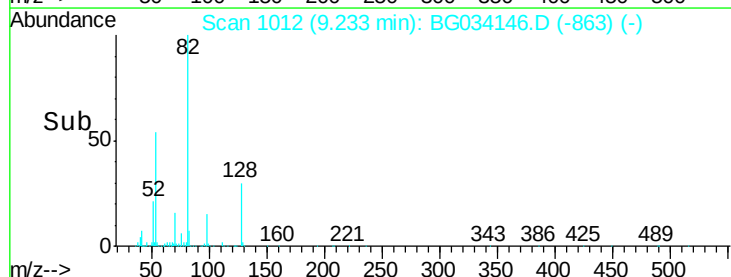
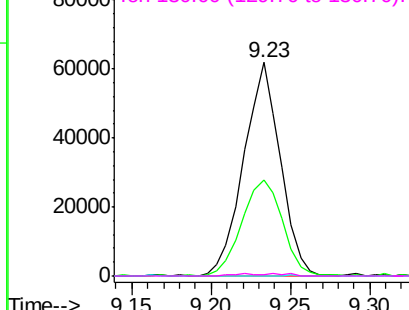
42 45.1 49.1 73.7#

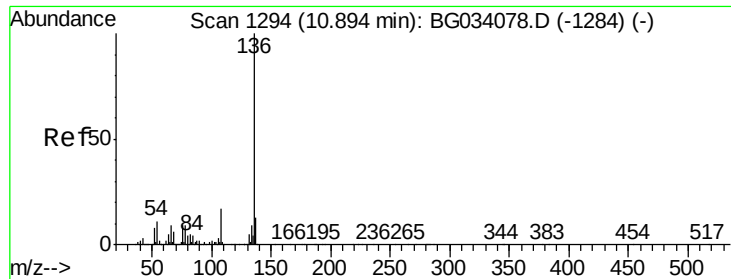
101 0.0 8.5 12.7#

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

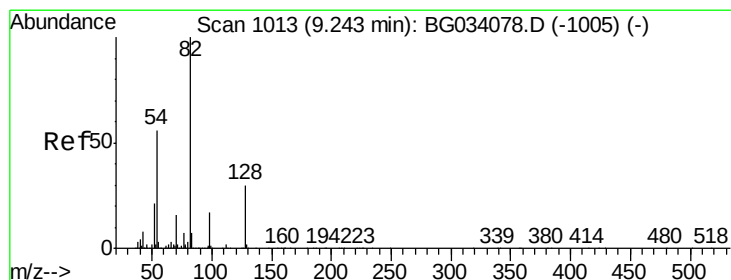
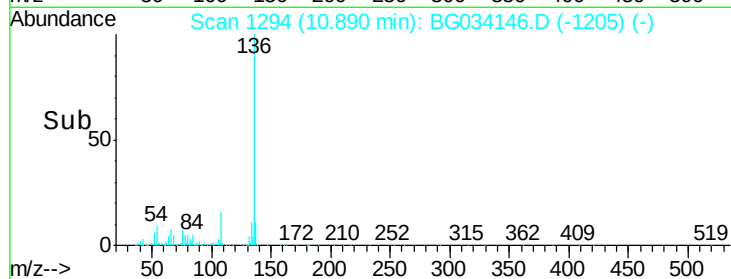
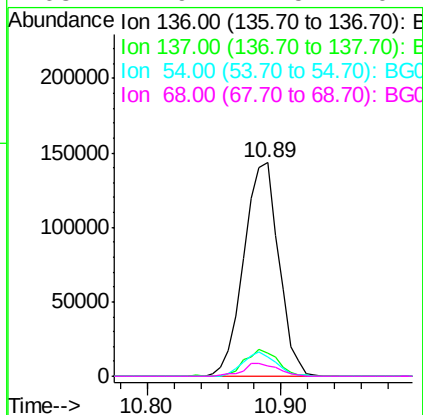
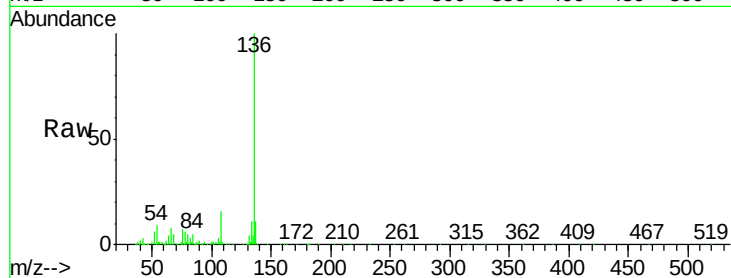




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1294
Delta R.T. -0.00 min
Lab File: BG034146.D
Acq: 3 May 2018 11:25

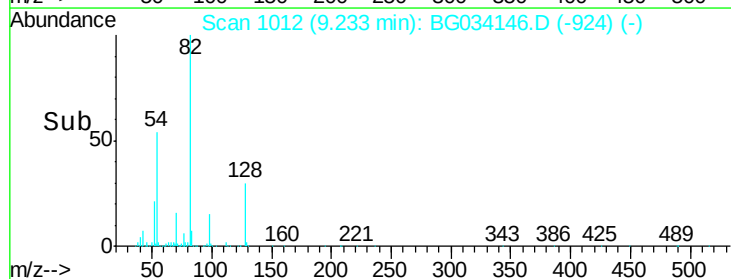
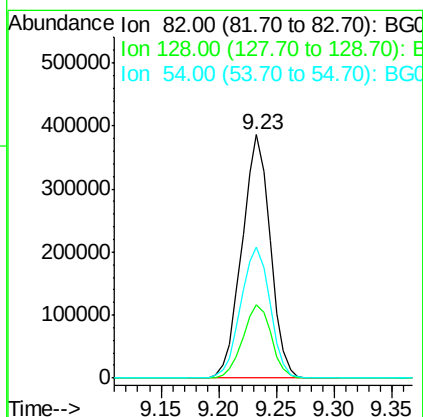
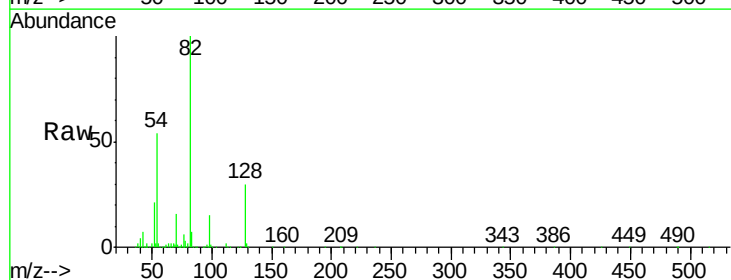
Instrument :
BNA_G
ClientSampleId :

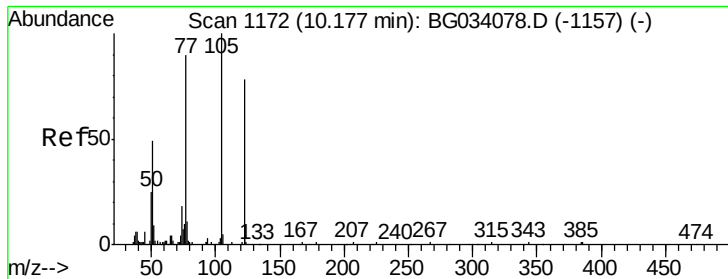
Tot Ion:136	Resp:	258259	
Ion Ratio	Lower	Upper	
136 100			
137 10.6	9.2	13.8	
54 8.7	10.3	15.5#	
68 4.9	4.5	6.7	



#23
Nitrobenzene-d5
Concen: 97.559 ng
RT: 9.23 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BG034146.D
Acq: 3 May 2018 11:25

Tgt	Ion: 82	Resp:	656682
Ion	Ratio	Lower	Upper
82	100		
128	30.2	29.7	44.5
54	53.8	43.1	64.7

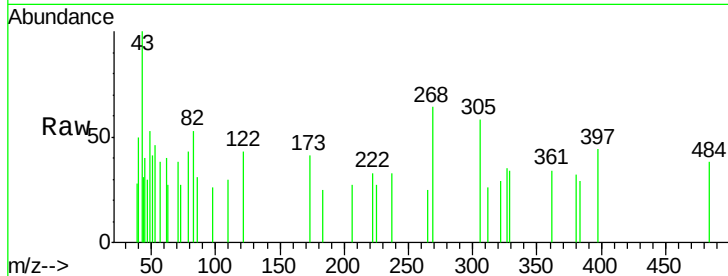




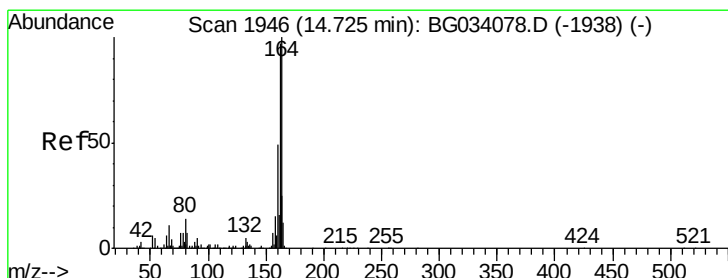
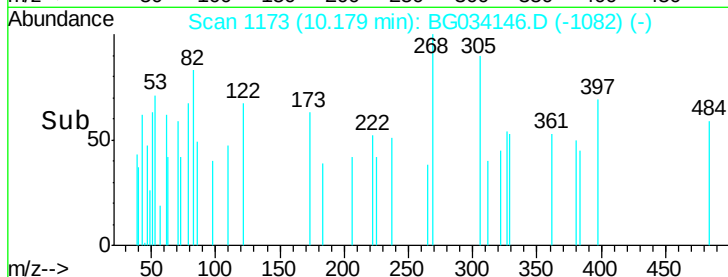
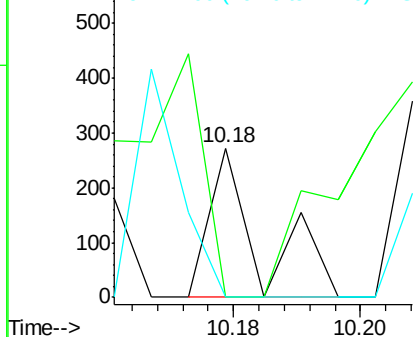
#32
Benzoic acid
Concen: 3.162 ng
RT: 10.18 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BG034146.D
Acq: 3 May 2018 11:25

Instrument :
BNA_G
ClientSampled :

Tot Ion:122 Resp: 151
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#

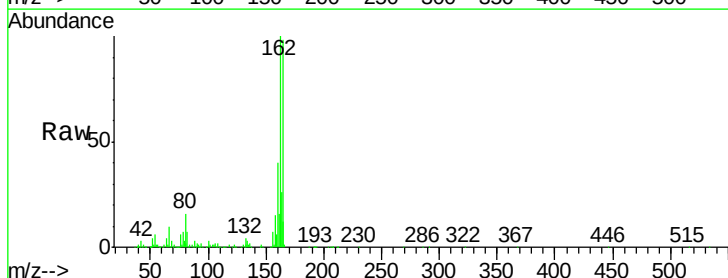


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

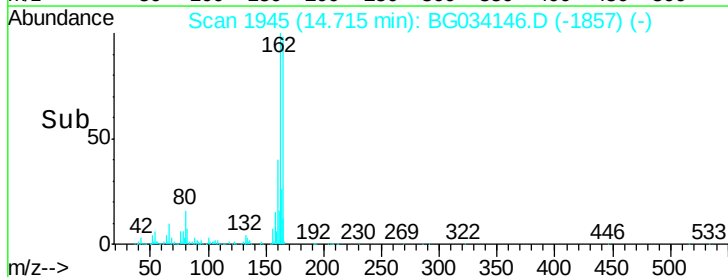
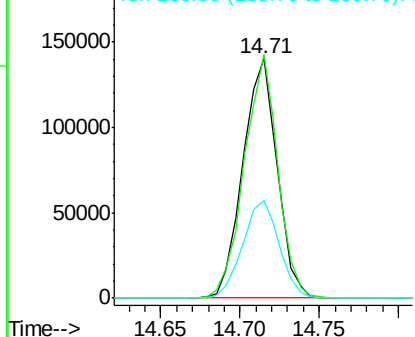


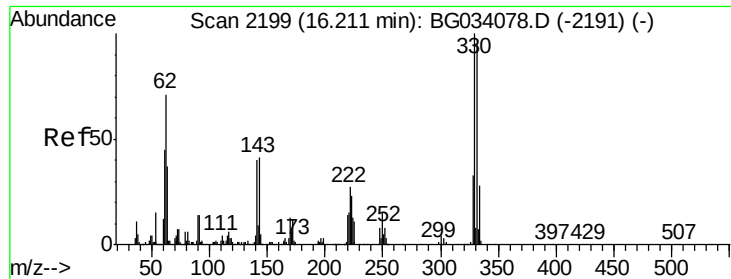
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.71 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BG034146.D
Acq: 3 May 2018 11:25

Tgt Ion:164 Resp: 210530
Ion Ratio Lower Upper
164 100
162 101.8 78.8 118.2
160 40.7 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

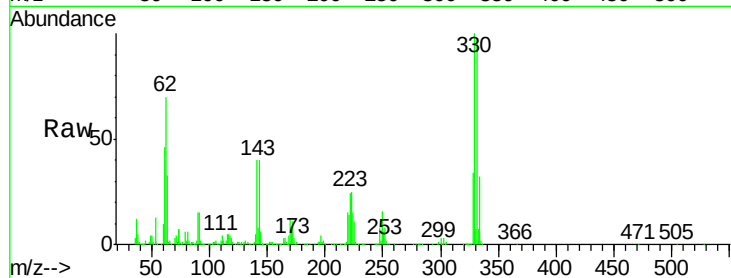




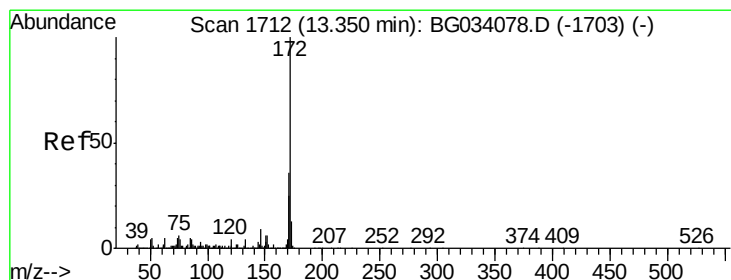
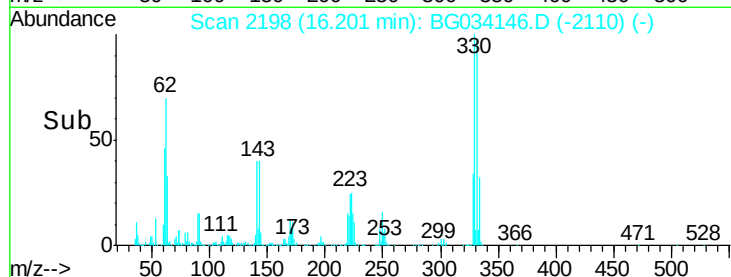
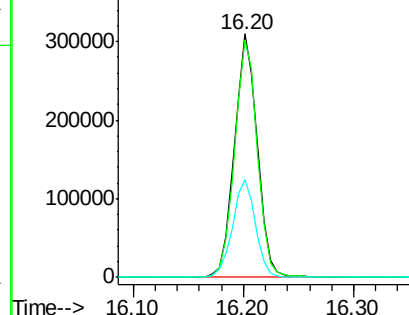
#41
 2,4,6-Tribromophenol
 Concen: 154.833 ng
 RT: 16.20 min Scan# 2198
 Delta R.T. -0.01 min
 Lab File: BG034146.D
 Acq: 3 May 2018 11:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 451374
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.0 115.6
 141 40.1 25.2 37.8#

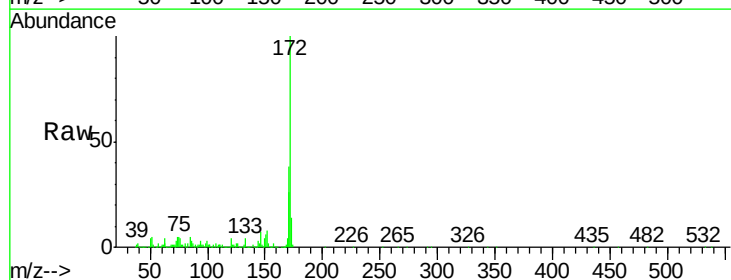


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

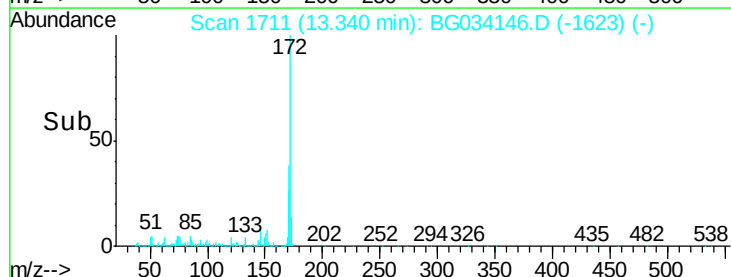
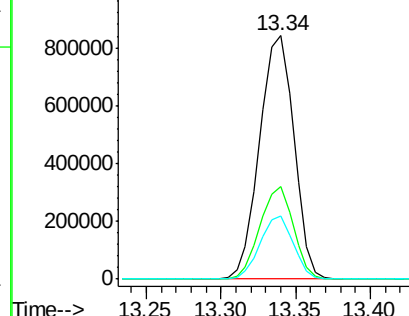


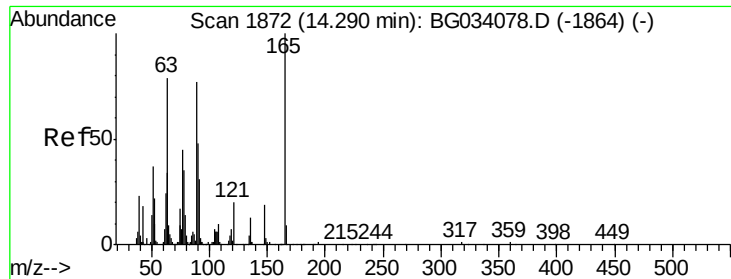
#44
 2-Fluorobiphenyl
 Concen: 92.761 ng
 RT: 13.34 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BG034146.D
 Acq: 3 May 2018 11:25

Tgt Ion:172 Resp: 1340218
 Ion Ratio Lower Upper
 172 100
 171 38.1 30.0 45.0
 170 25.8 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

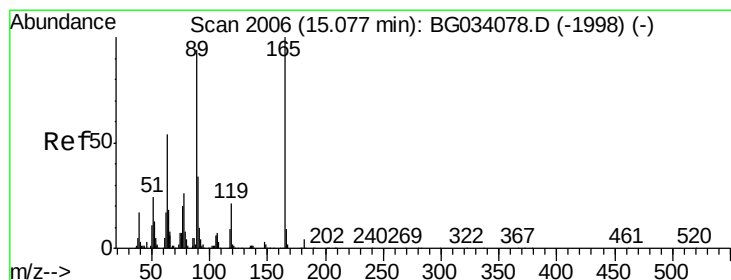
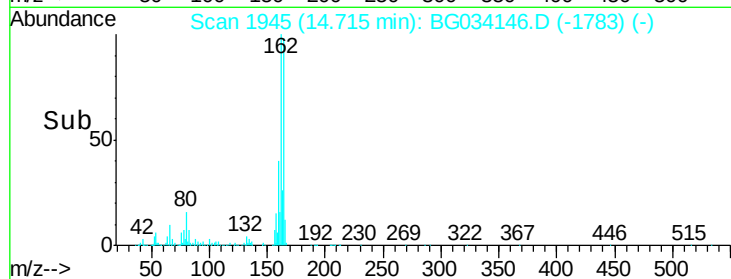
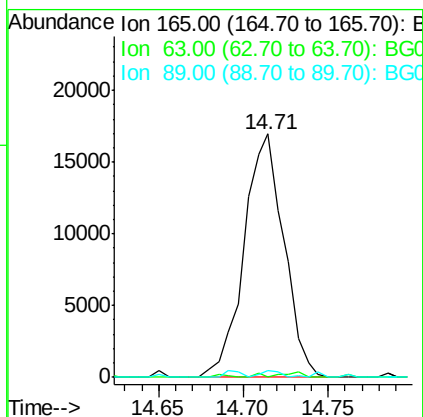
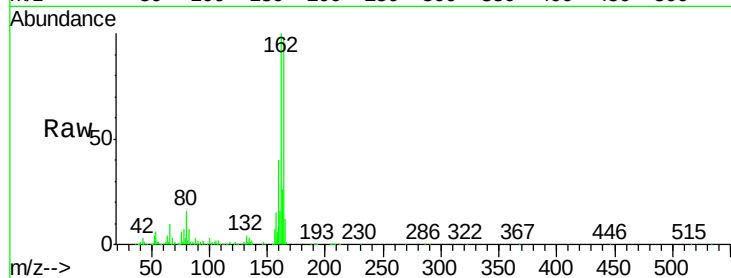




#50
 2,6-Dinitrotoluene
 Concen: 7.907 ng
 RT: 14.71 min Scan# 1945
 Delta R.T. 0.42 min
 Lab File: BG034146.D
 Acq: 3 May 2018 11:25

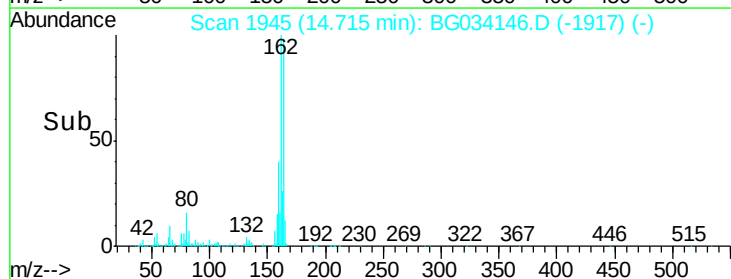
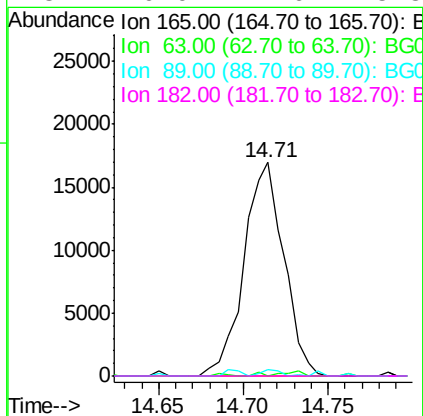
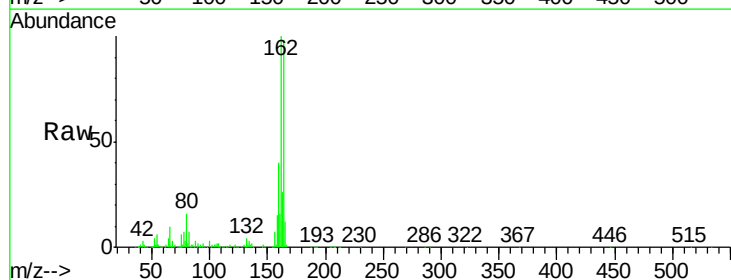
Instrument :
 BNA_G
 ClientSampleId :

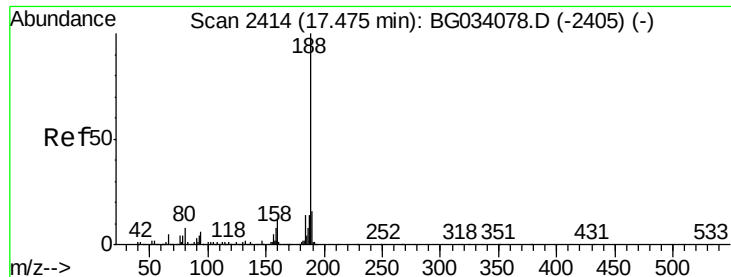
Tot Ion:165 Resp: 27725
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 2.8 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.824 ng
 RT: 14.71 min Scan# 1945
 Delta R.T. -0.36 min
 Lab File: BG034146.D
 Acq: 3 May 2018 11:25

Tgt Ion:165 Resp: 27725
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 2.8 66.9 100.3#
 182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.46 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BG034146.D

Acq: 3 May 2018 11:25

Instrument :

BNA_G

ClientSampleId :

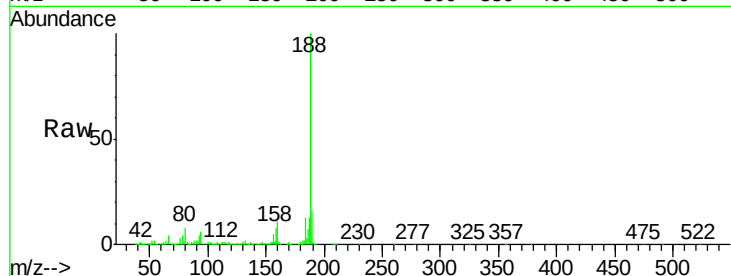
Tot Ion:188 Resp: 606733

Ion Ratio Lower Upper

188 100

94 6.3 6.9 10.3#

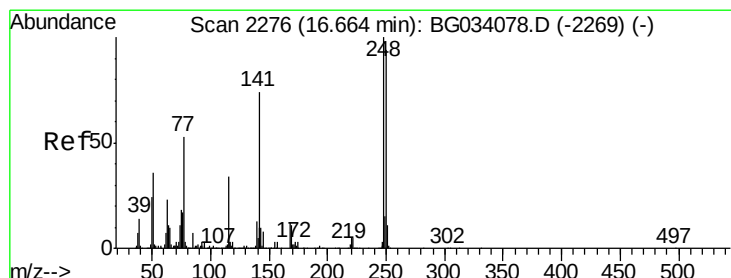
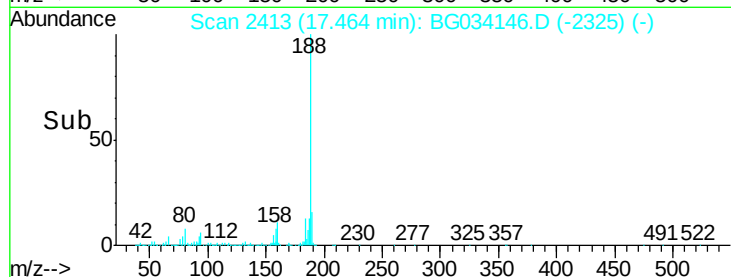
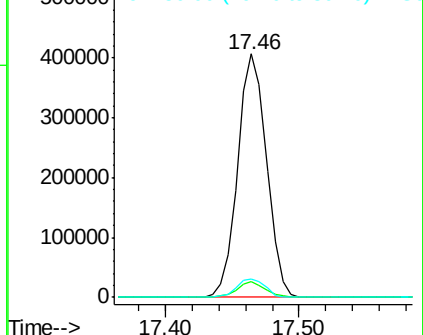
80 7.5 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG034146.D (-2405) (-)

Ion 80.00 (79.70 to 80.70): BG034146.D (-2405) (-)



#66

4-Bromophenyl-phenylether

Concen: 5.268 ng

RT: 16.20 min Scan# 2198

Delta R.T. -0.46 min

Lab File: BG034146.D

Acq: 3 May 2018 11:25

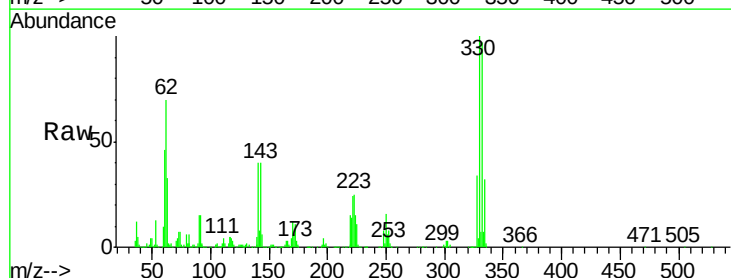
Tgt Ion:248 Resp: 39681

Ion Ratio Lower Upper

248 100

250 193.0 77.1 115.7#

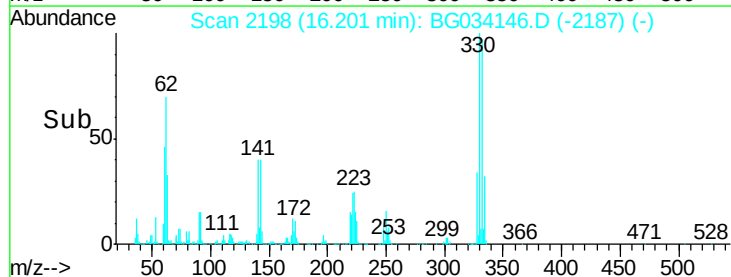
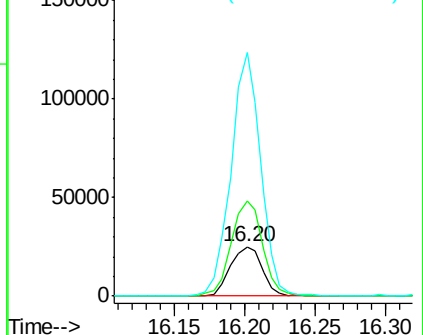
141 492.3 50.8 76.2#

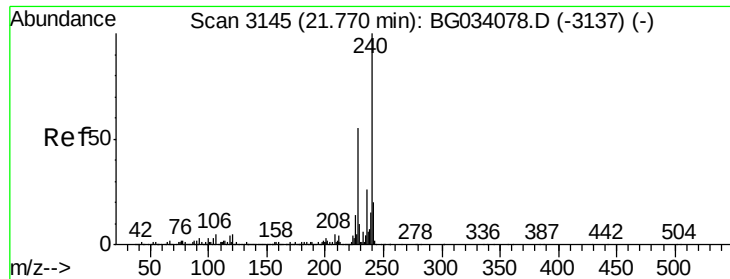


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): BG034146.D (-2269) (-)

Ion 141.00 (140.70 to 141.70): BG034146.D (-2269) (-)





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.75 min Scan# 3143

Delta R.T. -0.02 min

Lab File: BG034146.D

Acq: 3 May 2018 11:25

Instrument :

BNA_G

ClientSampleId :

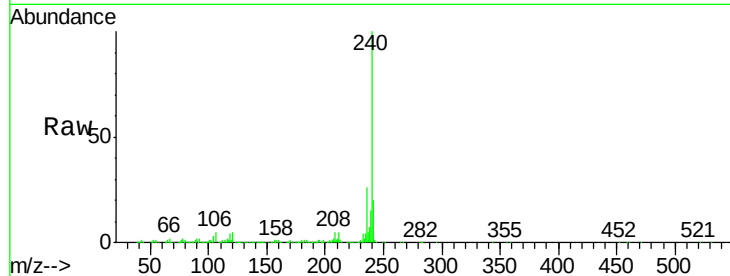
Tot Ion:240 Resp: 739342

Ion Ratio Lower Upper

240 100

120 4.5 6.8 10.2#

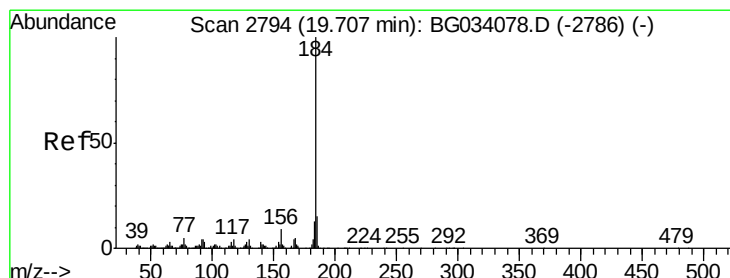
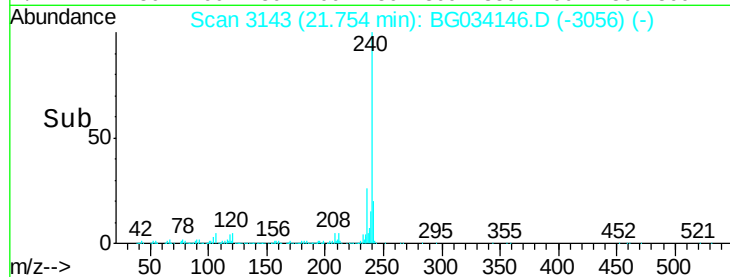
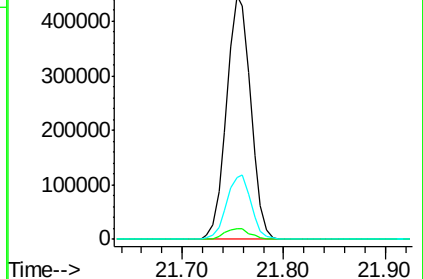
236 25.7 20.9 31.3



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



#76

Benzidine

Concen: 3.274 ng

RT: 20.08 min Scan# 2859

Delta R.T. 0.38 min

Lab File: BG034146.D

Acq: 3 May 2018 11:25

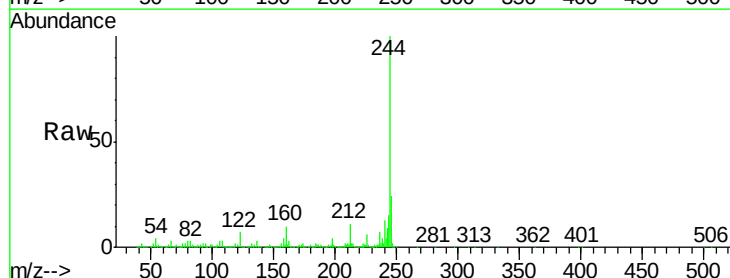
Tgt Ion:184 Resp: 62362

Ion Ratio Lower Upper

184 100

185 21.3 11.1 16.7#

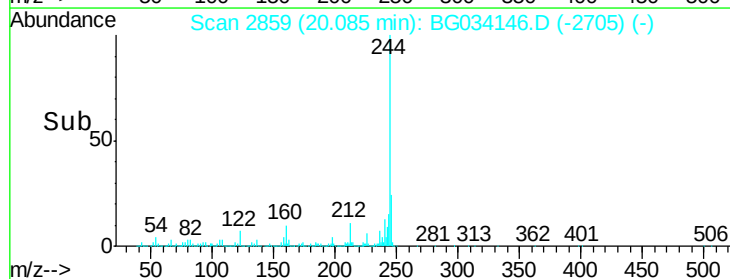
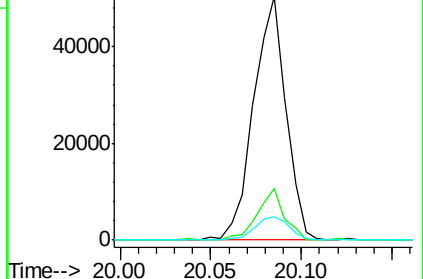
183 9.7 10.6 16.0#

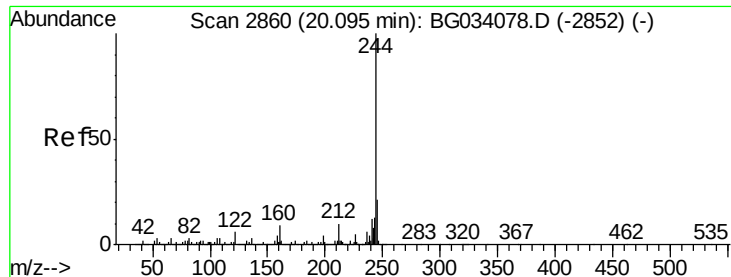


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 87.654 ng

RT: 20.08 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BG034146.D

Acq: 3 May 2018 11:25

Instrument :

BNA_G

ClientSampled :

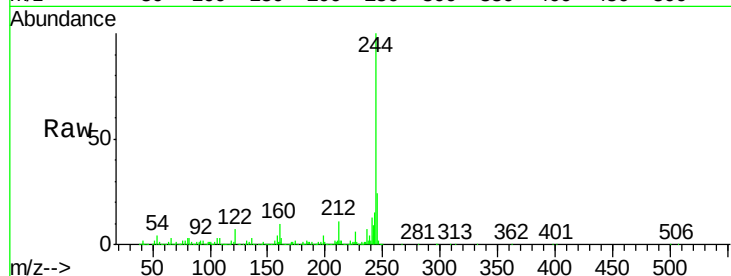
Tot Ion:244 Resp: 2958288

Ion Ratio Lower Upper

244 100

212 10.9 5.8 8.8#

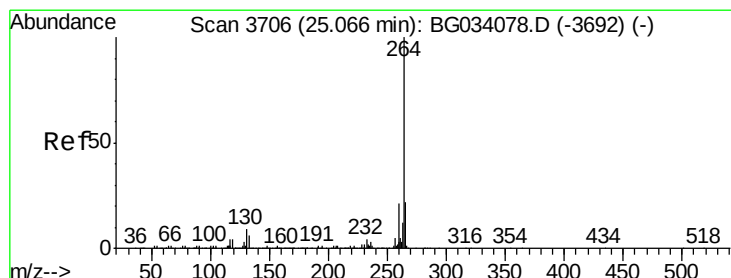
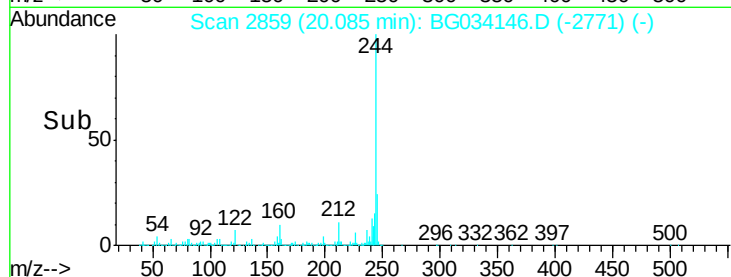
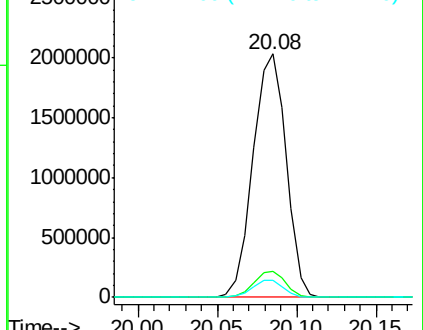
122 6.9 7.0 10.4#



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: BG034146.D

Acq: 3 May 2018 11:25

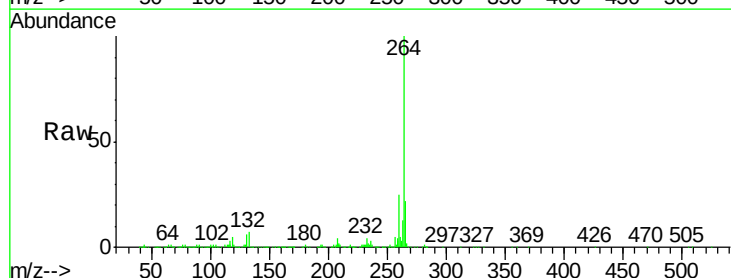
Tgt Ion:264 Resp: 737264

Ion Ratio Lower Upper

264 100

260 25.3 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

