

Data Path : Z:\HPCHEM1\BNA G\DATA\BG050218\
 Data File : BG034145.D
 Acq On : 3 May 2018 10:47
 Operator : SJ/JU
 Sample : J2667-07
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 03 11:53:57 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

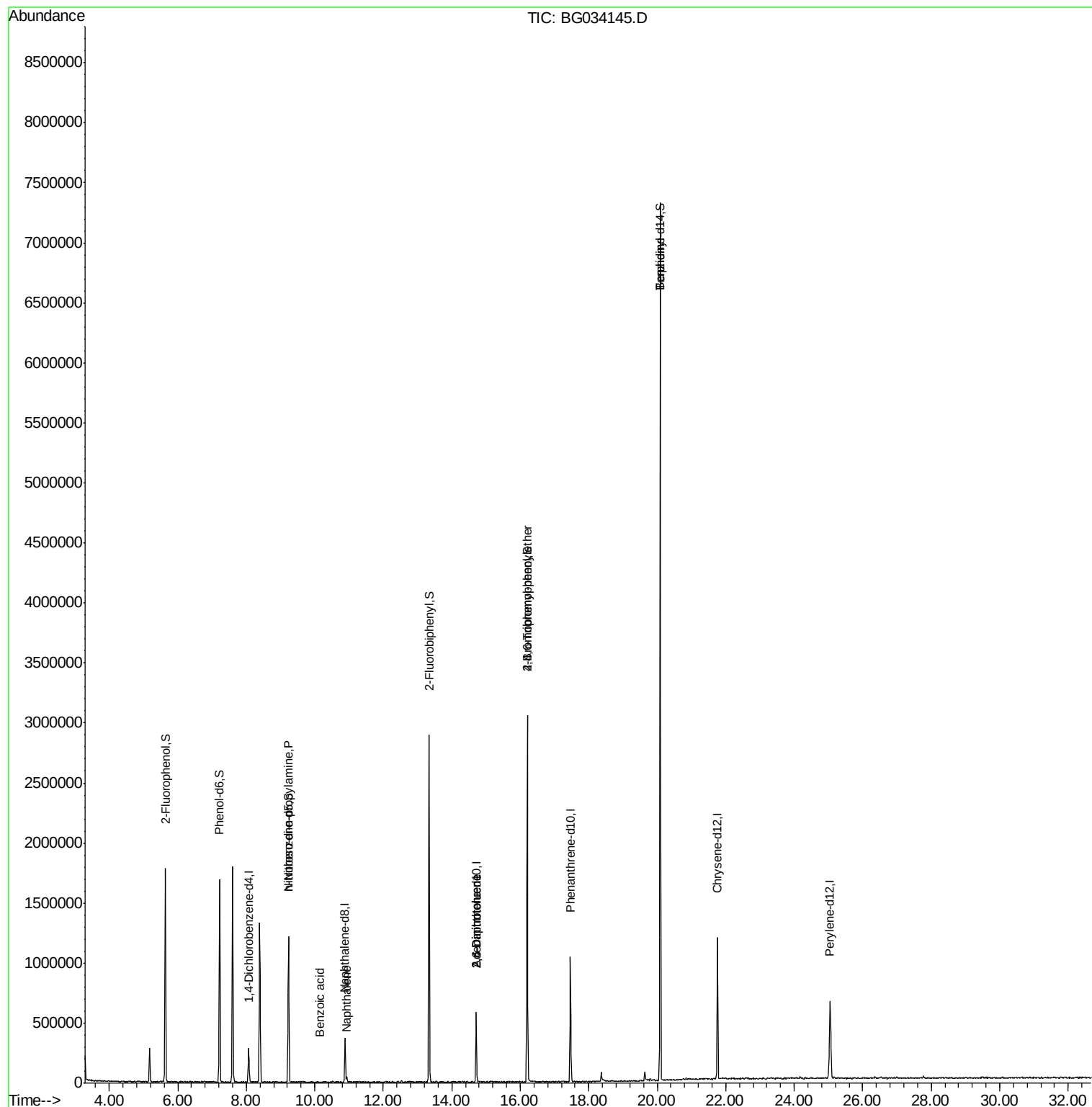
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	68128	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	260059	20.00	ng	-0.01
38) Acenaphthene-d10	14.71	164	197808	20.00	ng	-0.02
63) Phenanthrene-d10	17.46	188	598257	20.00	ng	-0.01
75) Chrysene-d12	21.75	240	736480	20.00	ng	-0.02
86) Perylene-d12	25.05	264	727204	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	619207	146.84	ng	0.00
7) Phenol-d6	7.22	99	858946	130.84	ng	0.00
23) Nitrobenzene-d5	9.23	82	706434	104.22	ng	-0.01
41) 2,4,6-Tribromophenol	16.21	330	483365	176.47	ng	0.00
44) 2-Fluorobiphenyl	13.34	172	1422696	104.80	ng	-0.01
78) Terphenyl-d14	20.08	244	3166296	94.18	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.22	77	1847	Below Cal	Qvalue	# 5
19) n-Nitroso-di-n-propylamine	9.23	70	114280	19.384 ng	#	71
31) Naphthalene	10.93	128	30971	2.266 ng	#	91
32) Benzoic acid	10.15	122	182	3.171 ng	#	1
50) 2,6-Dinitrotoluene	14.71	165	27189	8.253 ng	#	21
56) 2,4-Dinitrotoluene	14.71	165	27189	6.078 ng	#	19
66) 4-Bromophenyl-phenylether	16.21	248	40404	5.440 ng	#	1
76) Benzidine	20.08	184	71632	3.776 ng	#	93

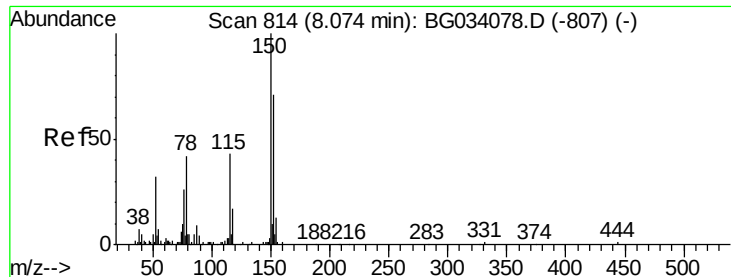
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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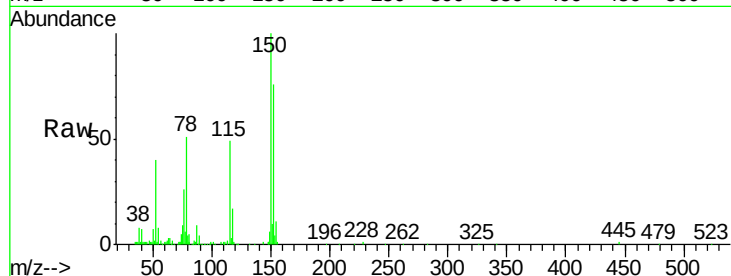


#1

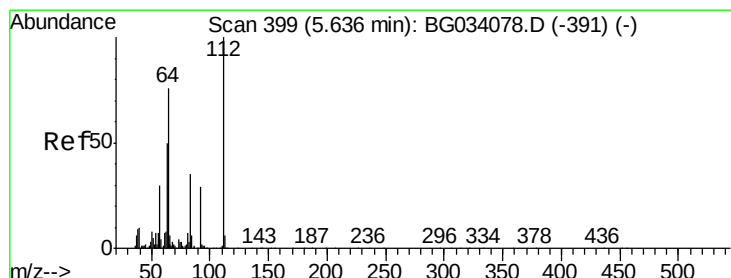
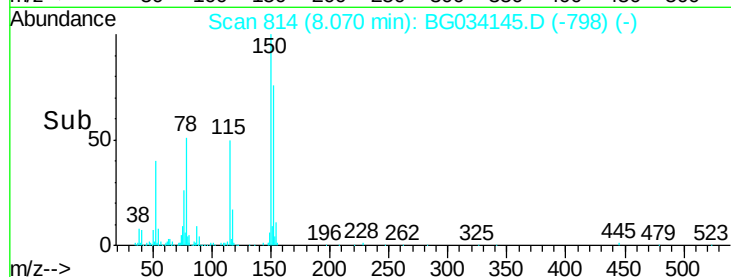
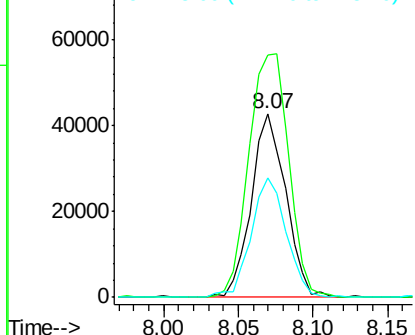
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.00 min
Lab File: BG034145.D
Acq: 3 May 2018 10:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion	152	Resp	68128
Ion Ratio	Lower	Upper	
152	100		
150	131.6	126.6	189.8
115	64.8	53.0	79.4



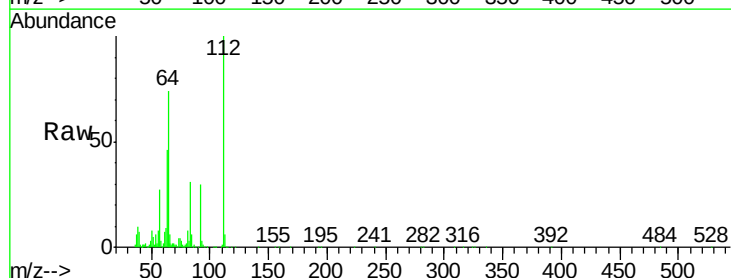
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



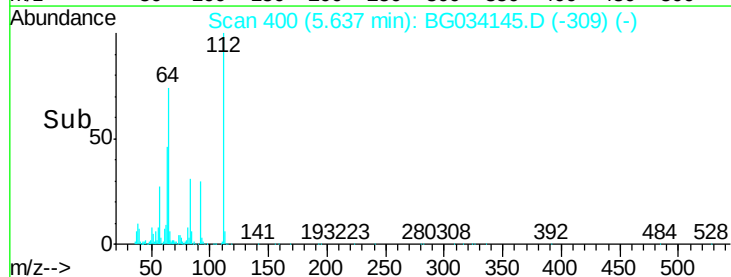
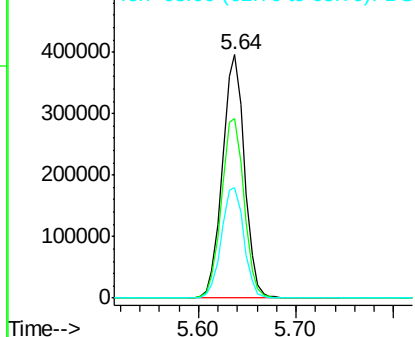
#5

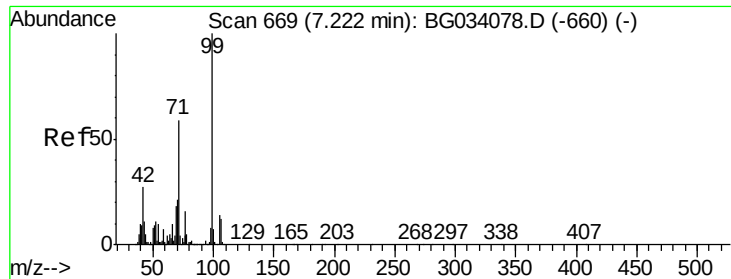
2-Fluorophenol
Concen: 146.842 ng
RT: 5.64 min Scan# 400
Delta R.T. 0.00 min
Lab File: BG034145.D
Acq: 3 May 2018 10:47

Tgt Ion	112	Resp	619207
Ion Ratio	Lower	Upper	
112	100		
64	74.0	56.3	84.5
63	45.6	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: 130.842 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG034145.D

Acq: 3 May 2018 10:47

Instrument :

BNA_G

ClientSampleId :

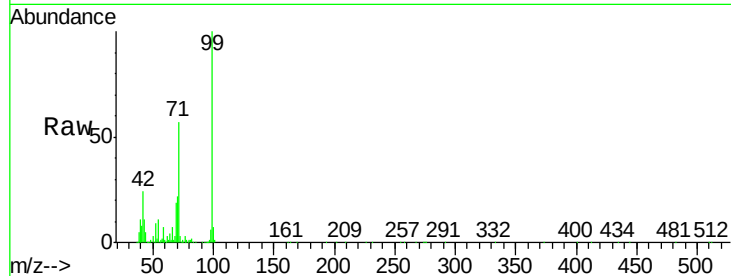
Tot Ion: 99 Resp: 858946

Ion Ratio Lower Upper

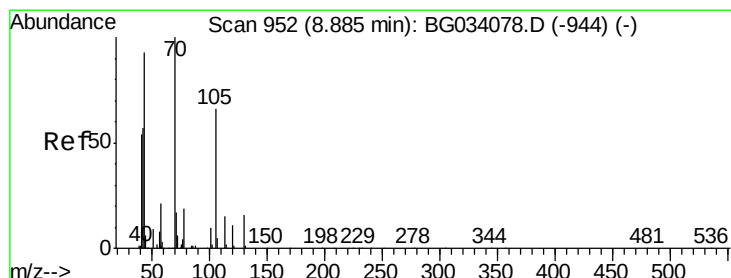
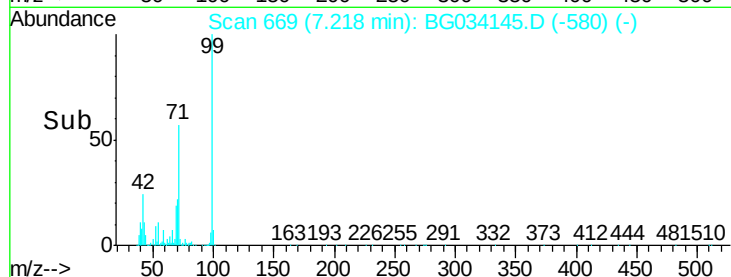
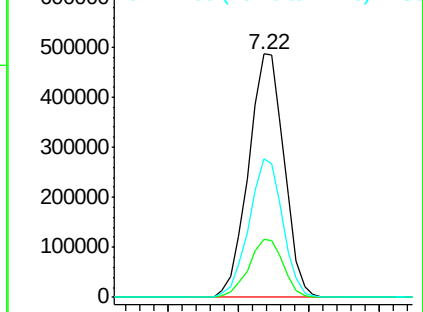
99 100

42 24.1 14.1 21.1#

71 56.9 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: 19.384 ng

RT: 9.23 min Scan# 1012

Delta R.T. 0.35 min

Lab File: BG034145.D

Acq: 3 May 2018 10:47

Tgt Ion: 70 Resp: 114280

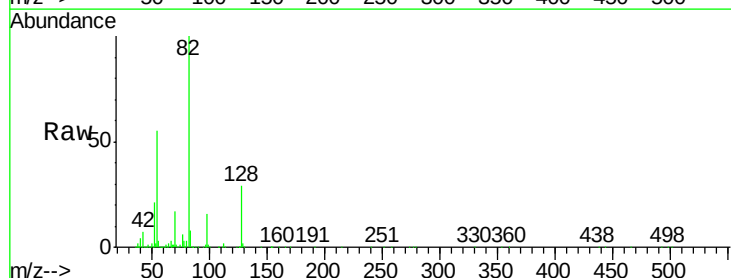
Ion Ratio Lower Upper

70 100

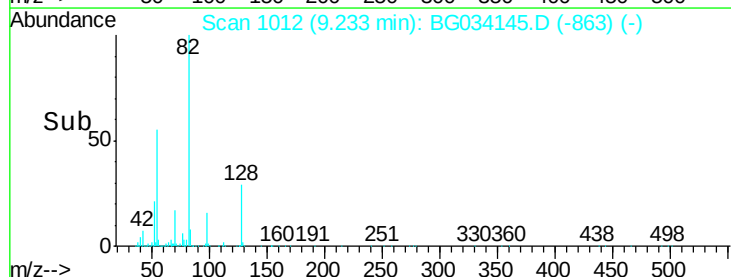
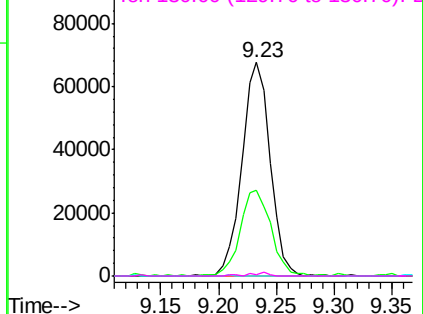
42 40.4 49.1 73.7#

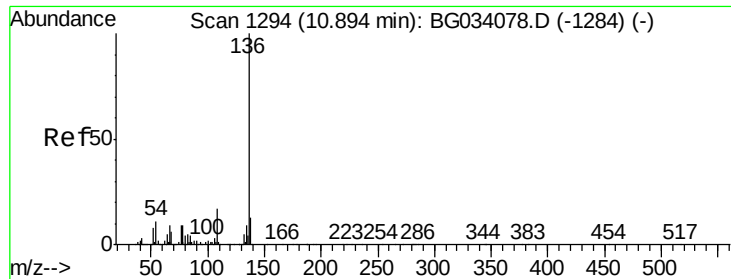
101 0.0 8.5 12.7#

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

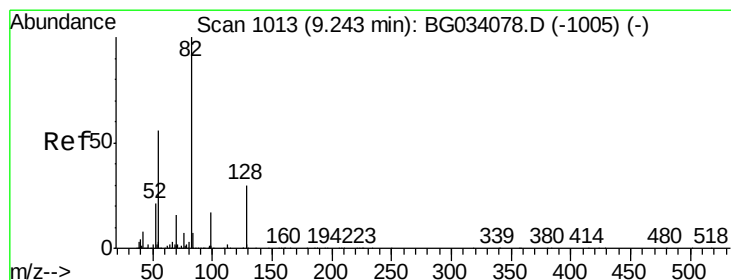
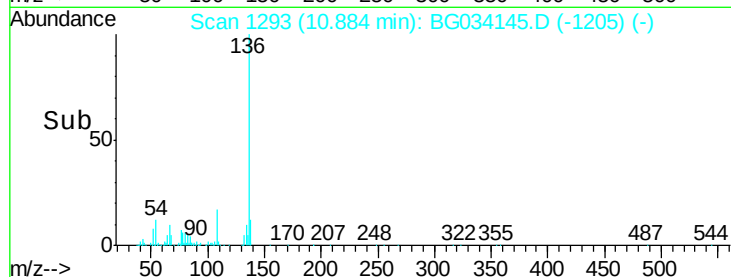
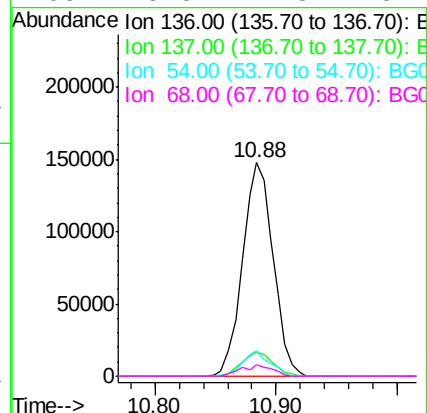
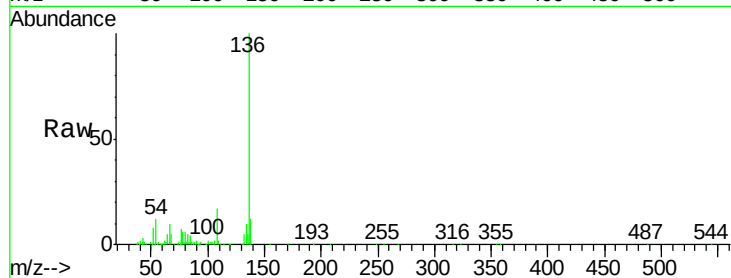




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG034145.D
Acq: 3 May 2018 10:47

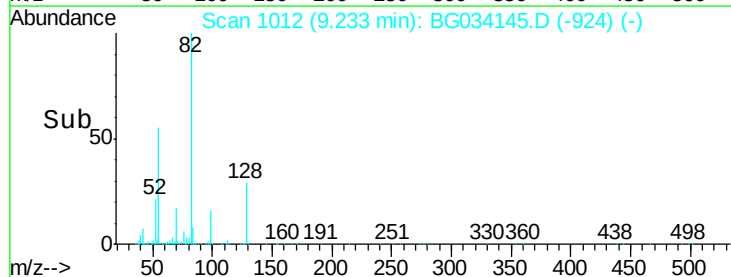
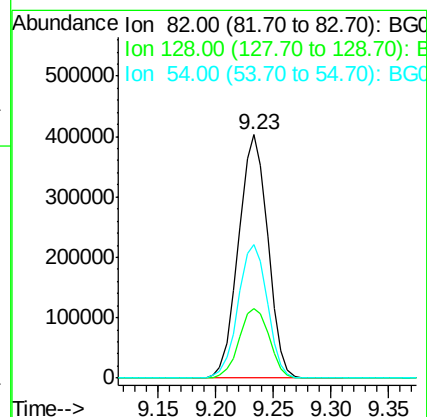
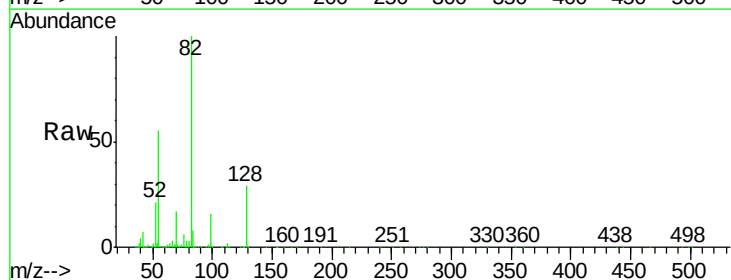
Instrument :
BNA_G
ClientSampleId :

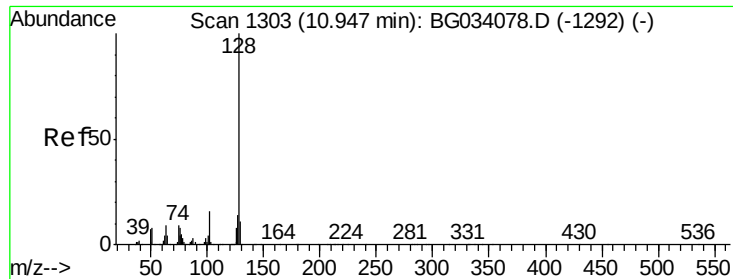
Tot Ion:136	Resp:	260059	
Ion Ratio	Lower	Upper	
136 100			
137 11.6	9.2	13.8	
54 11.8	10.3	15.5	
68 5.3	4.5	6.7	



#23
Nitrobenzene-d5
Concen: 104.224 ng
RT: 9.23 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BG034145.D
Acq: 3 May 2018 10:47

Tgt	Ion: 82	Resp:	706434
Ion	Ratio	Lower	Upper
82	100		
128	28.8	29.7	44.5#
54	54.9	43.1	64.7

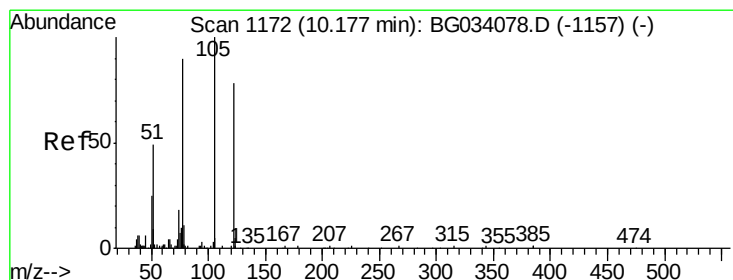
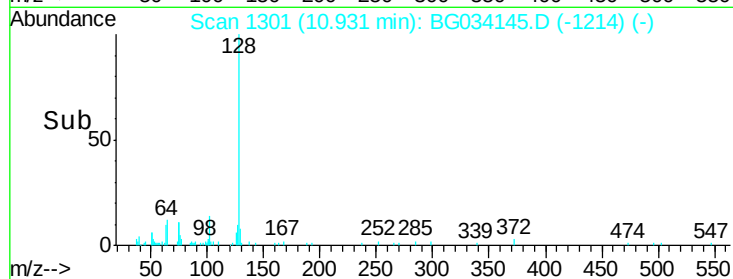
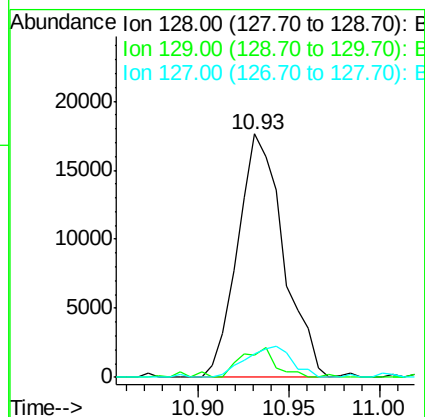
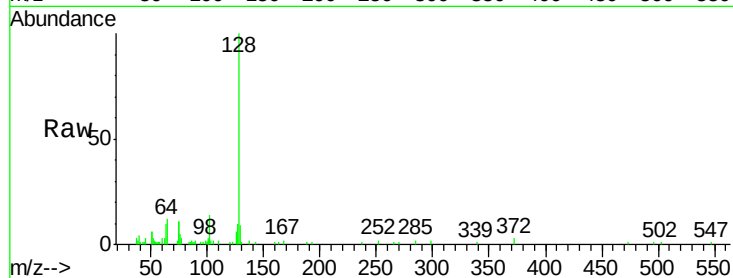




#31
Naphthalene
Concen: 2.266 ng
RT: 10.93 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BG034145.D
Acq: 3 May 2018 10:47

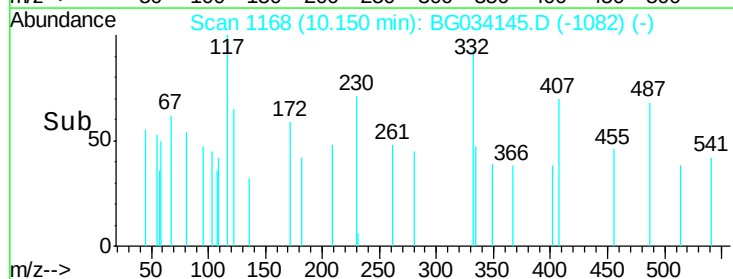
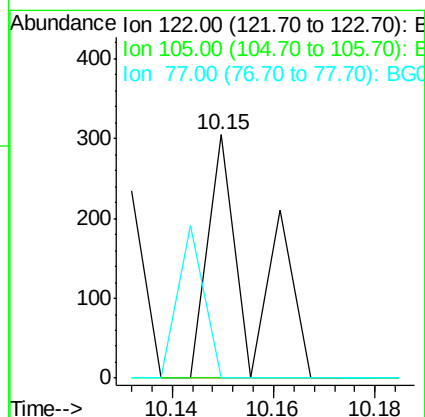
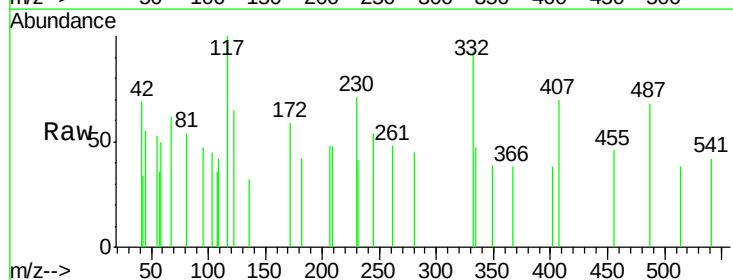
Instrument :
BNA_G
ClientSampleId :

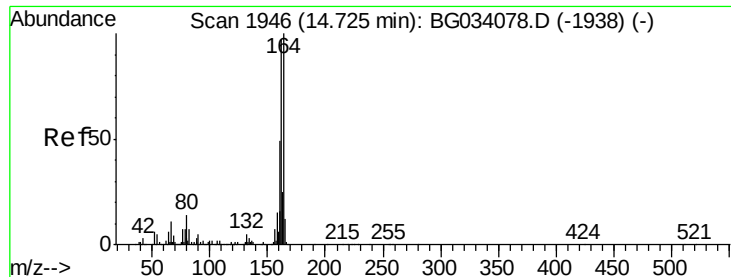
Tot Ion:128 Resp: 30971
Ion Ratio Lower Upper
128 100
129 9.0 8.6 12.8
127 9.5 11.6 17.4#



#32
Benzoic acid
Concen: 3.171 ng
RT: 10.15 min Scan# 1168
Delta R.T. -0.03 min
Lab File: BG034145.D
Acq: 3 May 2018 10:47

Tgt Ion:122 Resp: 182
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.71 min Scan# 1944

Delta R.T. -0.02 min

Lab File: BG034145.D

Acq: 3 May 2018 10:47

Instrument :

BNA_G

ClientSampleId :

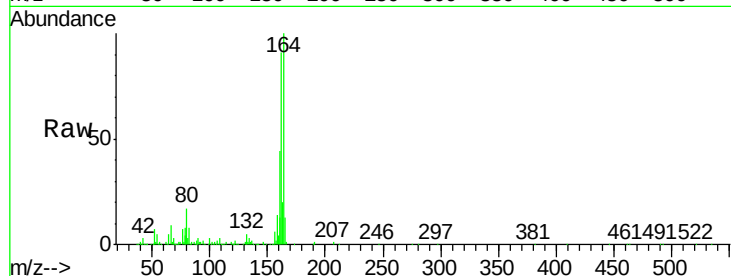
Tot Ion:164 Resp: 197808

Ion Ratio Lower Upper

164 100

162 91.4 78.8 118.2

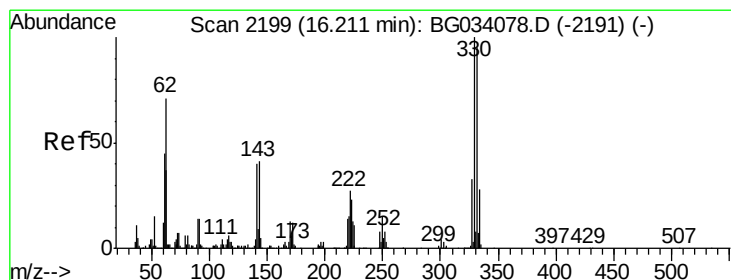
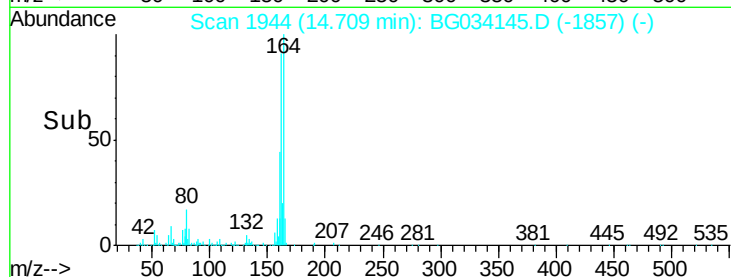
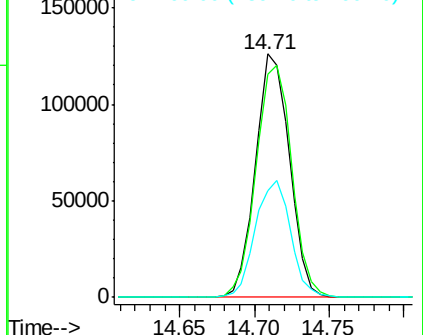
160 43.9 35.4 53.0



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: 176.471 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.00 min

Lab File: BG034145.D

Acq: 3 May 2018 10:47

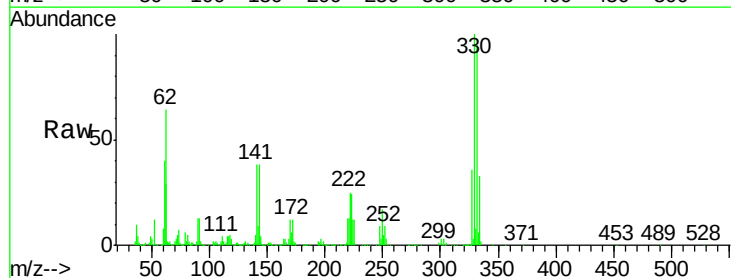
Tgt Ion:330 Resp: 483365

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

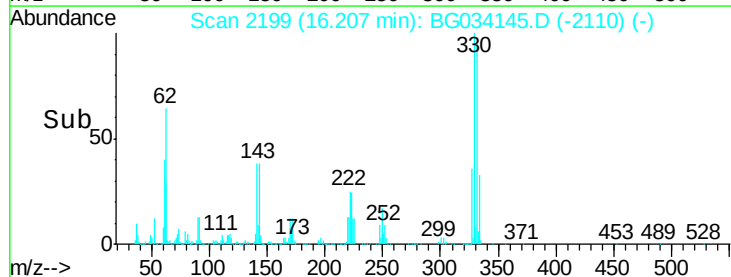
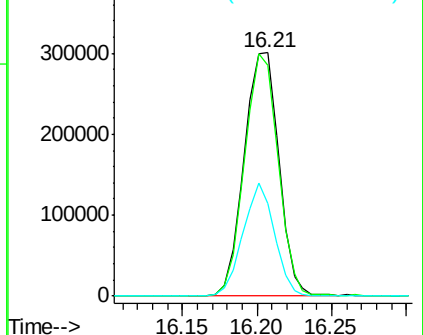
141 42.3 25.2 37.8#

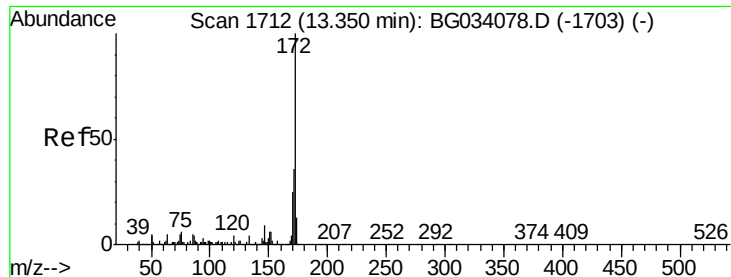


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



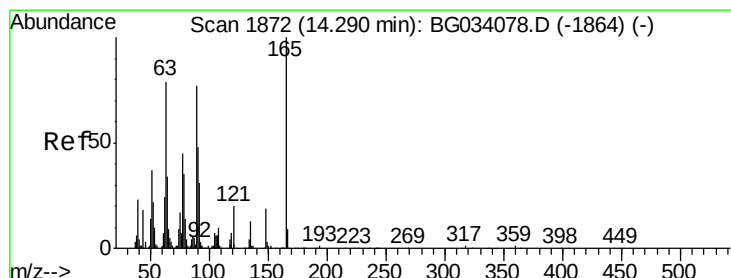
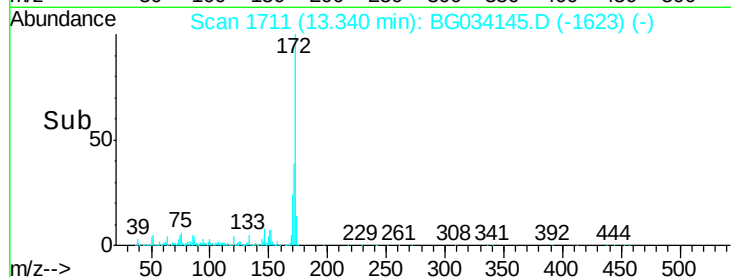
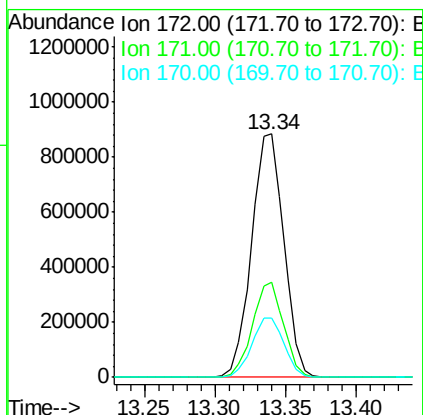
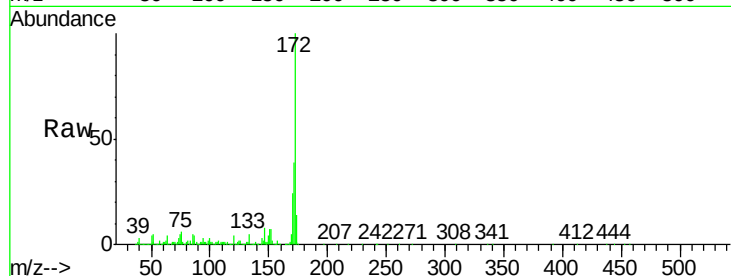


#44
 2-Fluorobiphenyl
 Concen: 104.803 ng
 RT: 13.34 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BG034145.D
 Acq: 3 May 2018 10:47

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1422696

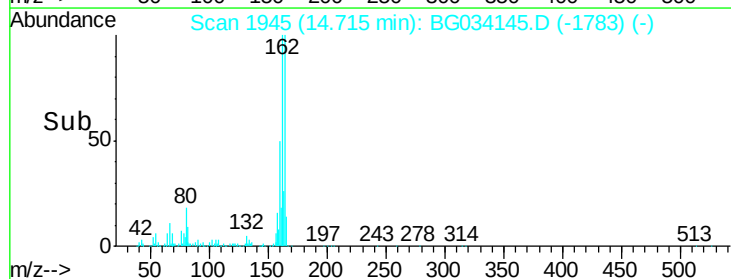
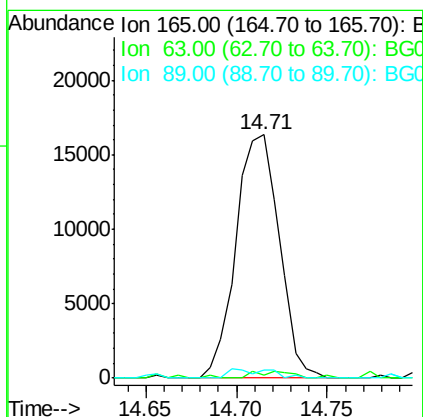
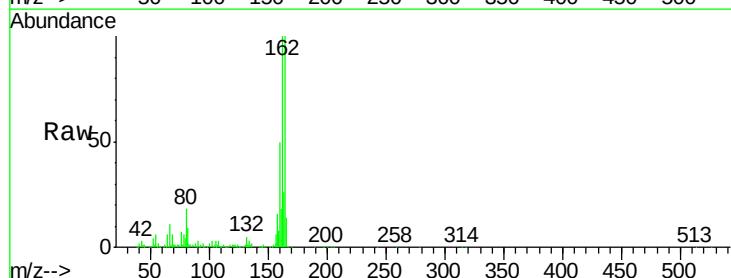
Ion	Ratio	Lower	Upper
172	100		
171	39.3	30.0	45.0
170	24.2	19.5	29.3

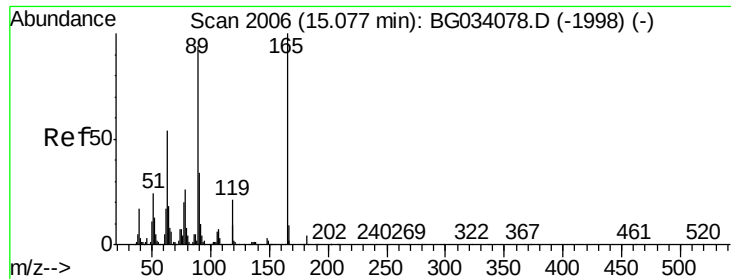


#50
 2,6-Dinitrotoluene
 Concen: 8.253 ng
 RT: 14.71 min Scan# 1945
 Delta R.T. 0.42 min
 Lab File: BG034145.D
 Acq: 3 May 2018 10:47

Tgt Ion:165 Resp: 27189

Ion	Ratio	Lower	Upper
165	100		
63	1.1	52.7	79.1#
89	3.2	49.2	73.8#





#56

2,4-Dinitrotoluene

Concen: 6.078 ng

RT: 14.71 min Scan# 1945

Delta R.T. -0.36 min

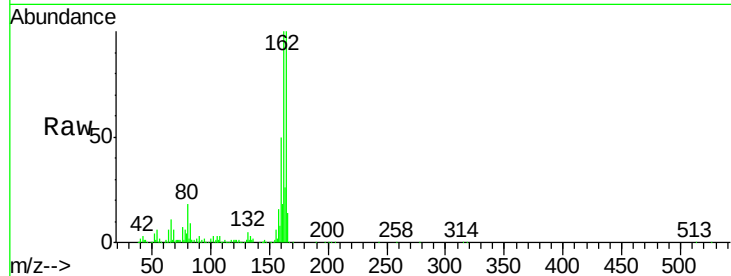
Lab File: BG034145.D

Acq: 3 May 2018 10:47

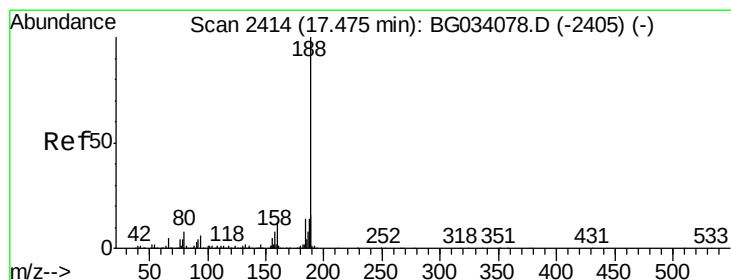
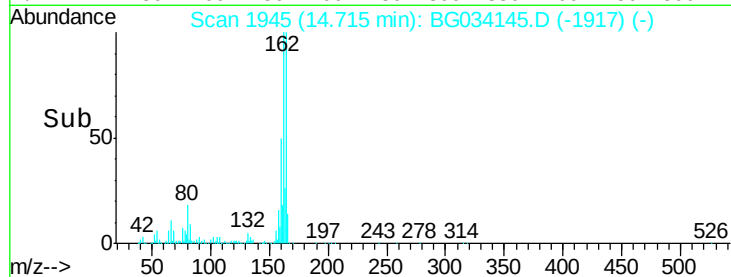
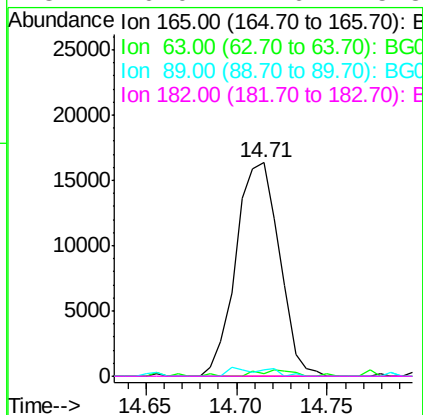
Instrument :

BNA_G

ClientSampleId :



Tot Ion:	165	Resp:	27189
Ion	Ratio	Lower	Upper
165	100		
63	1.1	42.0	63.0#
89	3.2	66.9	100.3#
182	0.0	2.6	3.8#



#63

Phenanthrene-d10

Concen: 20.000 ng

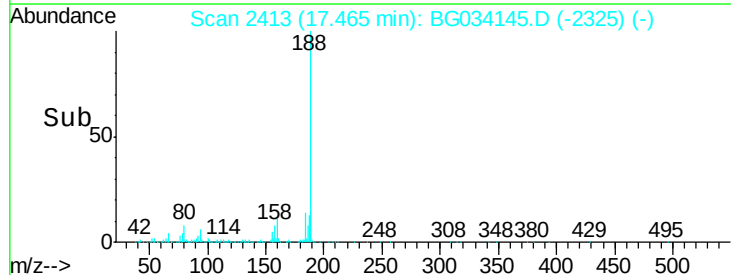
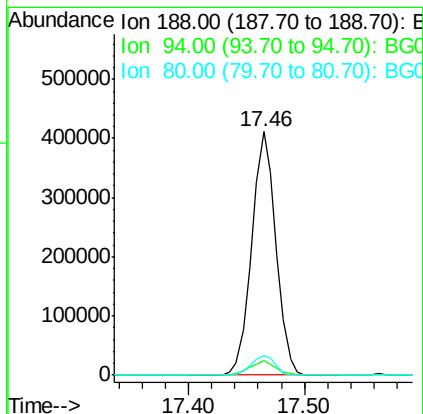
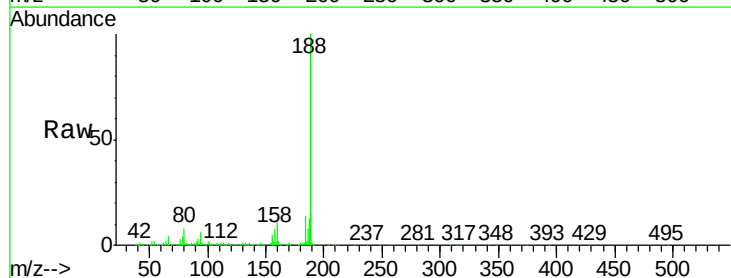
RT: 17.46 min Scan# 2413

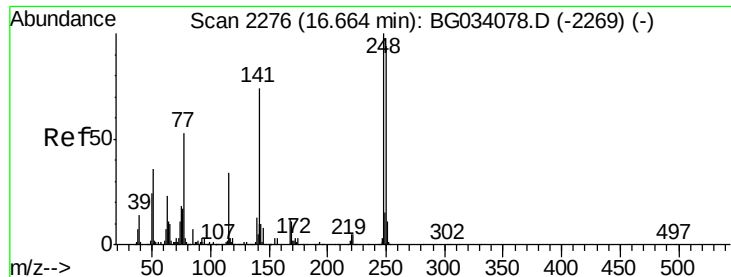
Delta R.T. -0.01 min

Lab File: BG034145.D

Acq: 3 May 2018 10:47

Tgt Ion:	188	Resp:	598257
Ion	Ratio	Lower	Upper
188	100		
94	6.7	6.9	10.3#
80	8.0	7.7	11.5

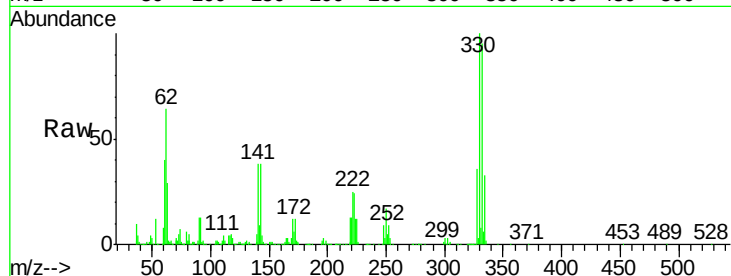




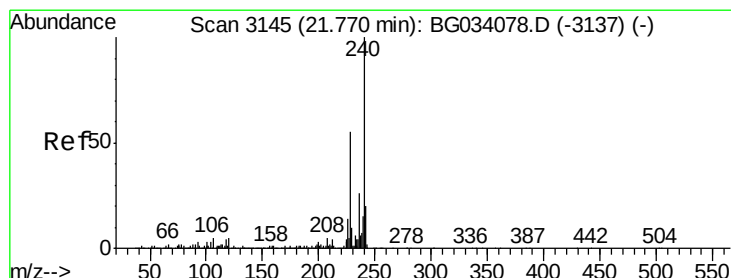
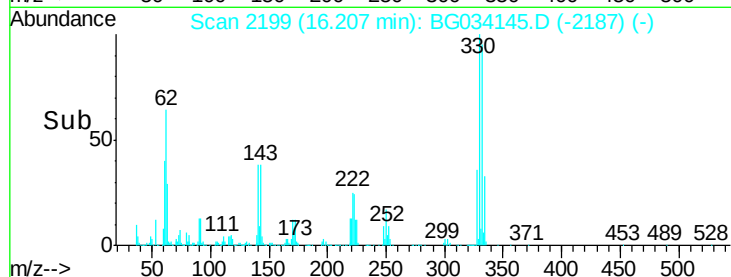
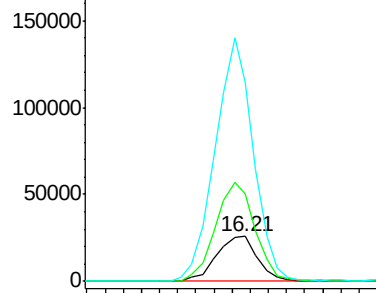
#66
 4-Bromophenyl-phenylether
 Concen: 5.440 ng
 RT: 16.21 min Scan# 2199
 Delta R.T. -0.46 min
 Lab File: BG034145.D
 Acq: 3 May 2018 10:47

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 40404
 Ion Ratio Lower Upper
 248 100
 250 196.7 77.1 115.7#
 141 443.2 50.8 76.2#

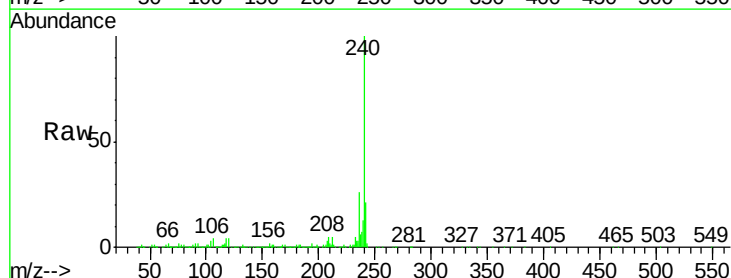


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

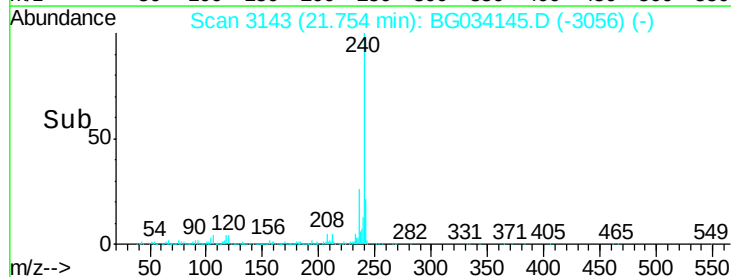
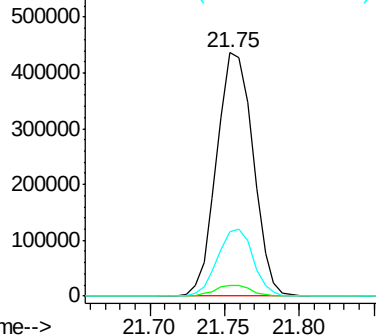


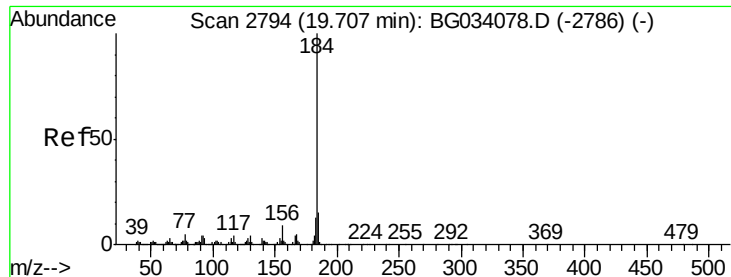
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.75 min Scan# 3143
 Delta R.T. -0.02 min
 Lab File: BG034145.D
 Acq: 3 May 2018 10:47

Tgt Ion:240 Resp: 736480
 Ion Ratio Lower Upper
 240 100
 120 4.2 6.8 10.2#
 236 26.4 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: 3.776 ng

RT: 20.08 min Scan# 2859

Delta R.T. 0.38 min

Lab File: BG034145.D

Acq: 3 May 2018 10:47

Instrument :

BNA_G

ClientSampleId :

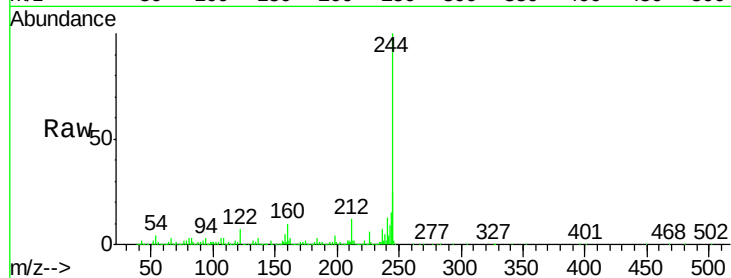
Tot Ion:184 Resp: 71632

Ion Ratio Lower Upper

184 100

185 14.3 11.1 16.7

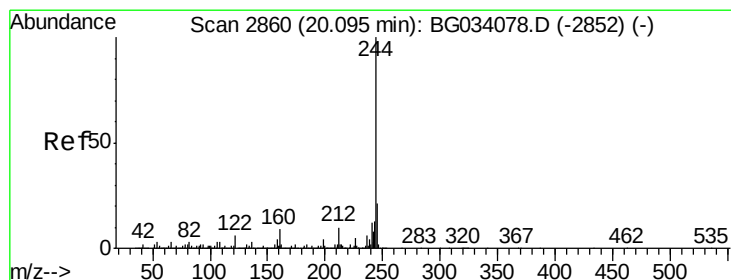
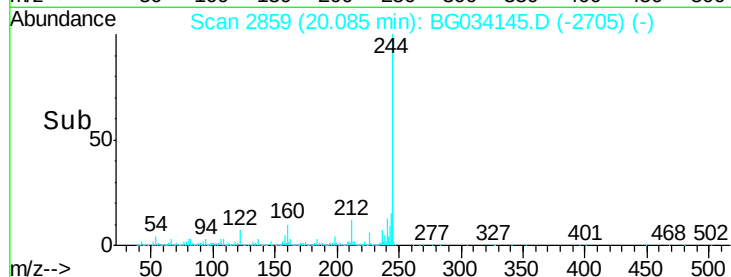
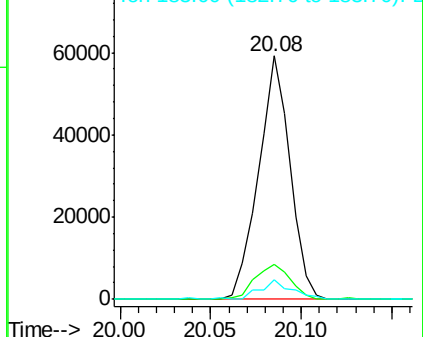
183 8.2 10.6 16.0#



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: 94.182 ng

RT: 20.08 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BG034145.D

Acq: 3 May 2018 10:47

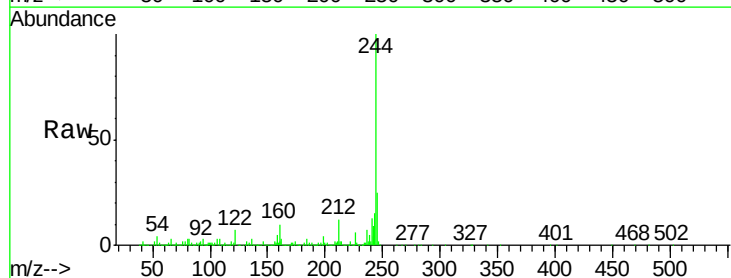
Tgt Ion:244 Resp: 3166296

Ion Ratio Lower Upper

244 100

212 11.6 5.8 8.8#

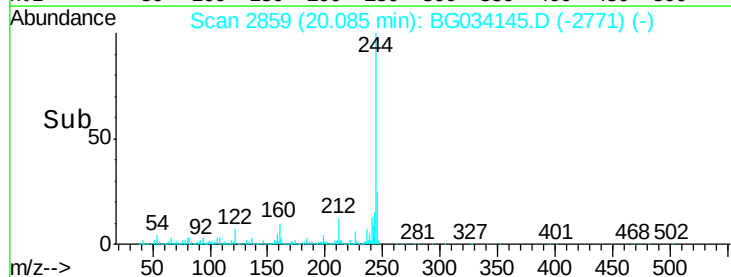
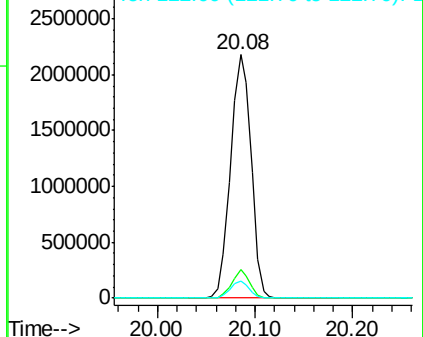
122 7.1 7.0 10.4

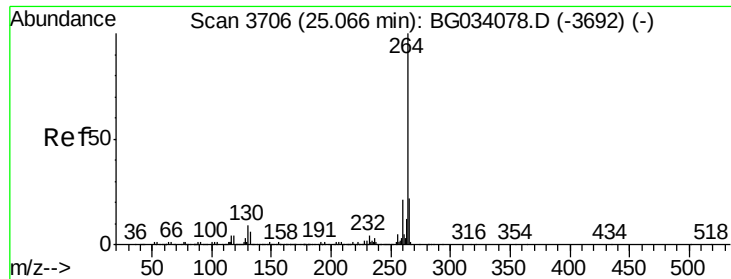


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

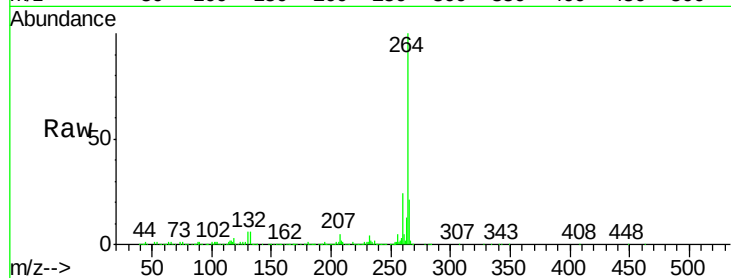




#86
Pervlene-d12
Concen: 20.000 ng
RT: 25.05 min Scan# 3704
Delta R.T. -0.02 min
Lab File: BG034145.D
Acq: 3 May 2018 10:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	264	Resp:	727204
Ion	Ratio	Lower	Upper
264	100		
260	23.6	17.4	26.0
265	21.1	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

