

Data Path : Z:\HPCHEM1\BNA G\DATA\BG050218\
 Data File : BG034127.D
 Acq On : 2 May 2018 22:03
 Operator : SJ/JU
 Sample : J2157-20
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 03 04:48:16 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

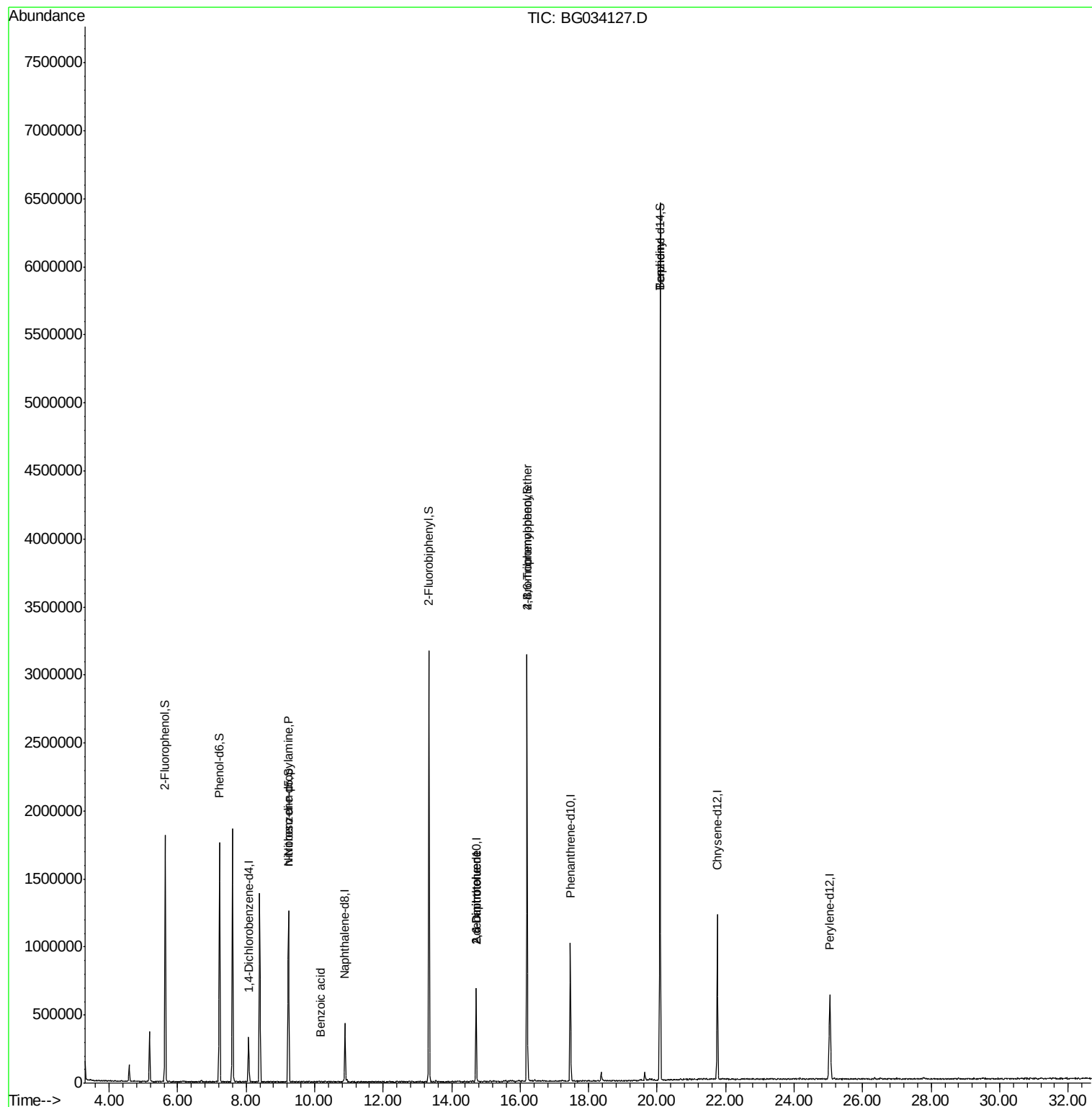
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	76386	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	297143	20.00	ng	0.00
38) Acenaphthene-d10	14.71	164	229951	20.00	ng	-0.01
63) Phenanthrene-d10	17.47	188	634544	20.00	ng	0.00
75) Chrysene-d12	21.76	240	715638	20.00	ng	-0.01
86) Perylene-d12	25.04	264	712707	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	640752	135.52	ng	0.00
7) Phenol-d6	7.22	99	832502	113.10	ng	0.00
23) Nitrobenzene-d5	9.24	82	766110	98.92	ng	0.00
41) 2,4,6-Tribromophenol	16.21	330	485784	152.56	ng	0.00
44) 2-Fluorobiphenyl	13.34	172	1497513	94.89	ng	-0.01
78) Terphenyl-d14	20.08	244	2929616	89.68	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.22	77	2407	Below Cal	#	5
19) n-Nitroso-di-n-propylamine	9.24	70	121812	18.43	ng	# 81
32) Benzoic acid	10.18	122	544	3.26	ng	# 17
50) 2,6-Dinitrotoluene	14.71	165	32579	8.51	ng	# 22
56) 2,4-Dinitrotoluene	14.71	165	32579	6.27	ng	# 20
66) 4-Bromophenyl-phenylether	16.20	248	41686	5.29	ng	# 1
76) Benzidine	20.08	184	66547	3.61	ng	# 94

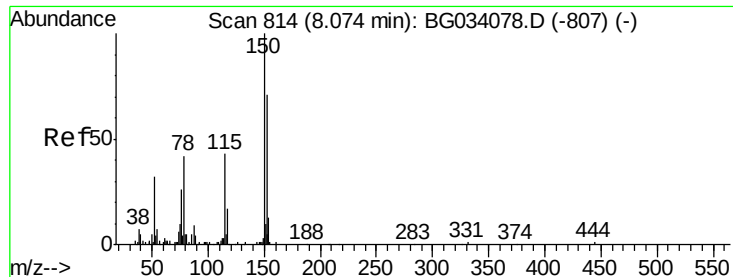
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG034127.D

Acq: 2 May 2018 22:03

Instrument :

BNA_G

ClientSampleId :

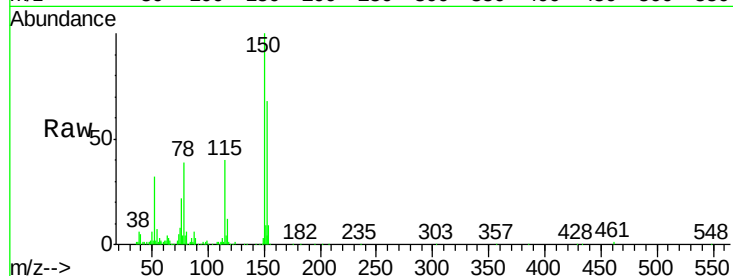
Tot Ion:152 Resp: 76386

Ion Ratio Lower Upper

152 100

150 147.8 126.6 189.8

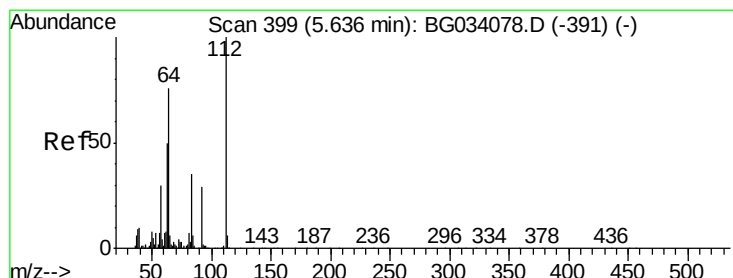
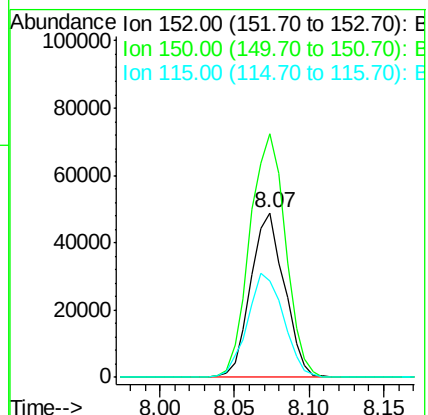
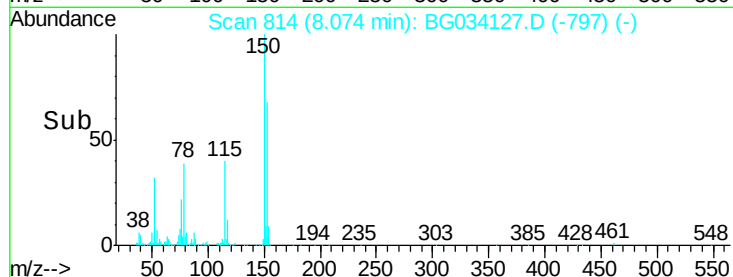
115 58.7 53.0 79.4



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: 135.52 ng

RT: 5.64 min Scan# 399

Delta R.T. 0.00 min

Lab File: BG034127.D

Acq: 2 May 2018 22:03

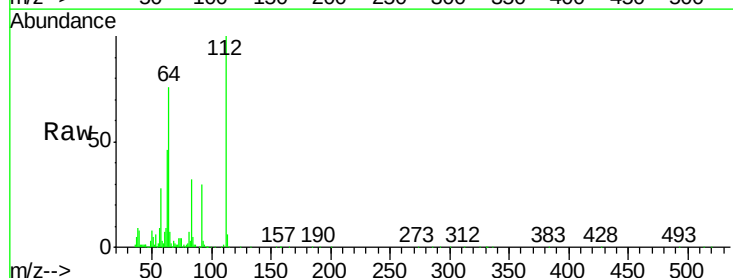
Tgt Ion:112 Resp: 640752

Ion Ratio Lower Upper

112 100

64 76.3 56.3 84.5

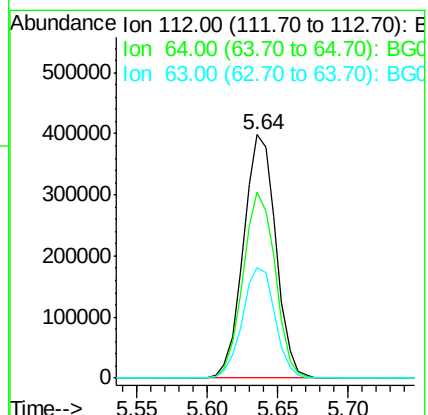
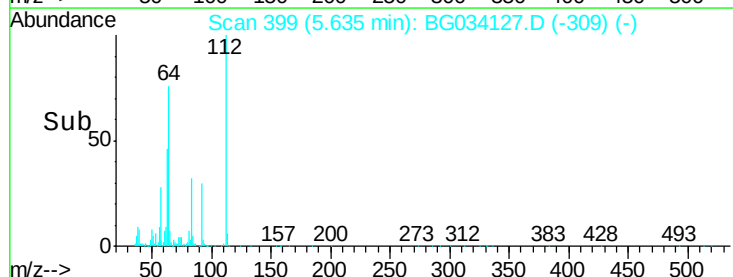
63 45.6 30.1 45.1#

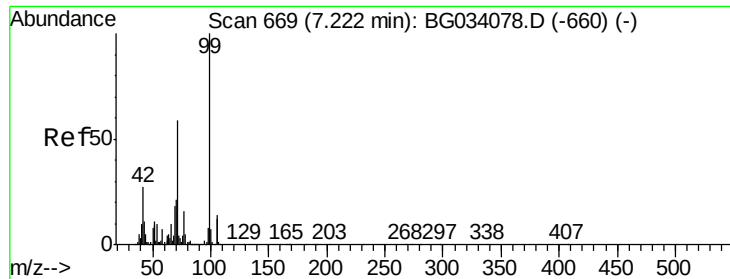


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 113.10 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG034127.D

Acq: 2 May 2018 22:03

Instrument :

BNA_G

ClientSampleId :

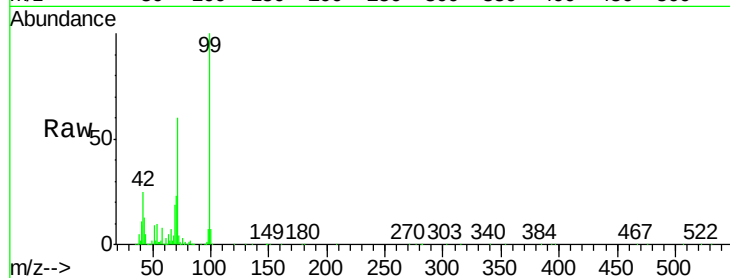
Tot Ion: 99 Resp: 832502

Ion Ratio Lower Upper

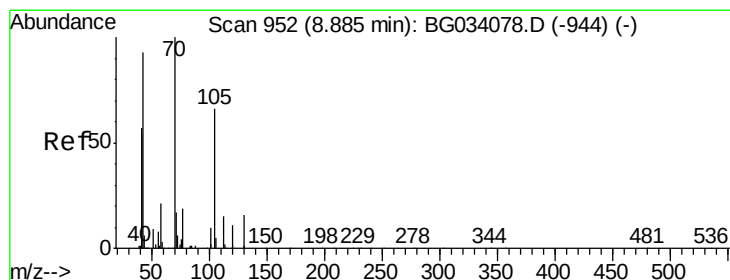
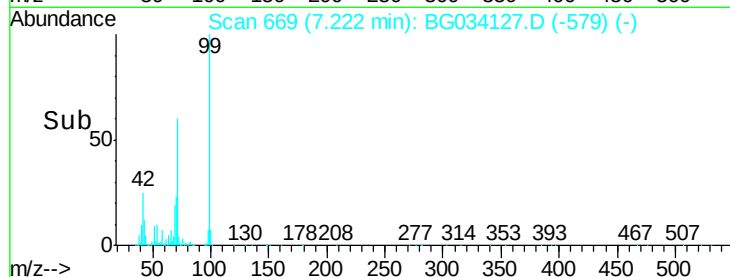
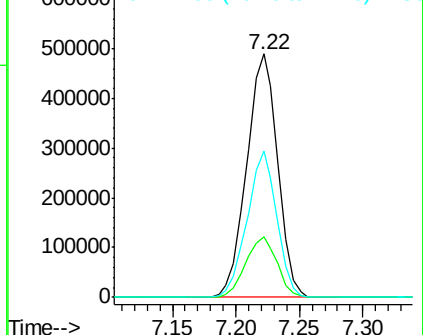
99 100

42 25.0 14.1 21.1#

71 60.1 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: 18.43 ng

RT: 9.24 min Scan# 1012

Delta R.T. 0.35 min

Lab File: BG034127.D

Acq: 2 May 2018 22:03

Tgt Ion: 70 Resp: 121812

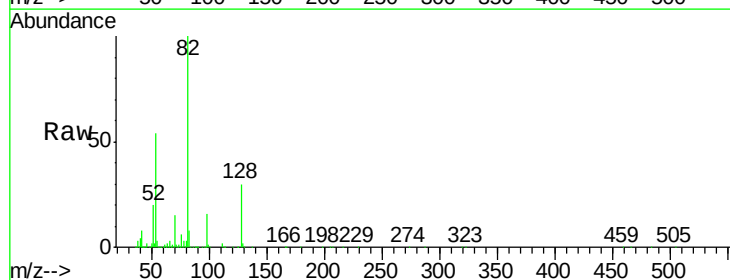
Ion Ratio Lower Upper

70 100

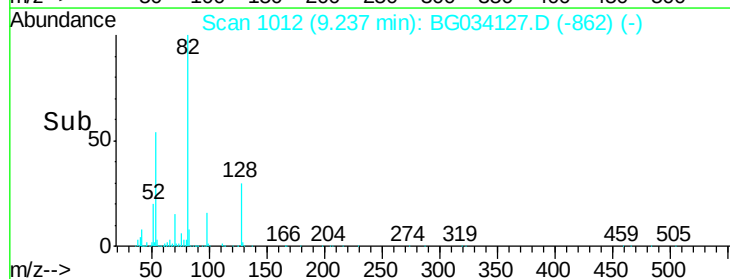
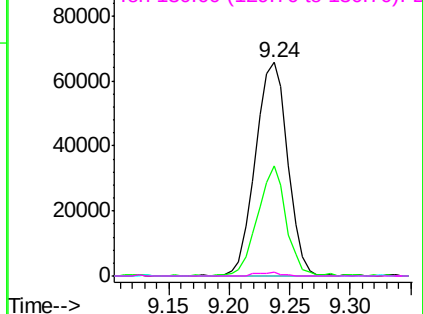
42 51.4 49.1 73.7

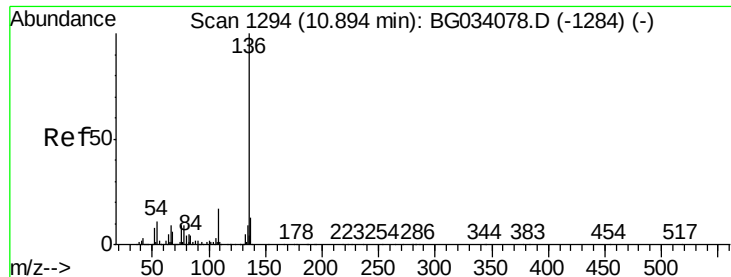
101 0.0 8.5 12.7#

130 1.9 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

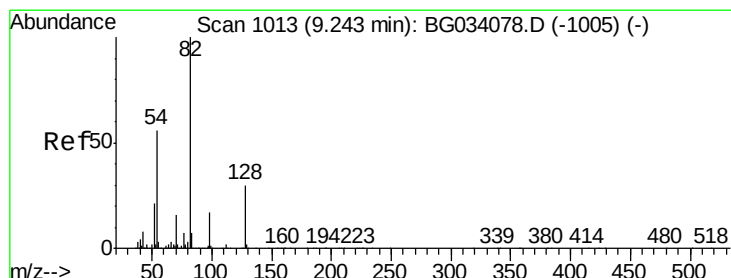
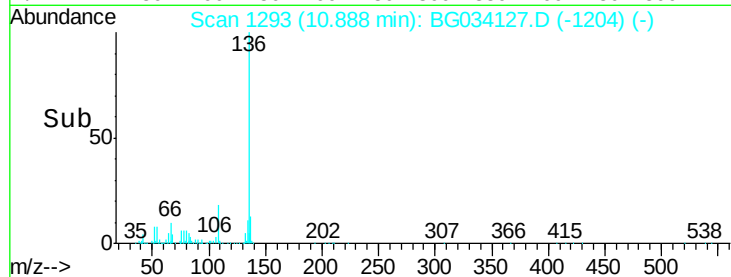
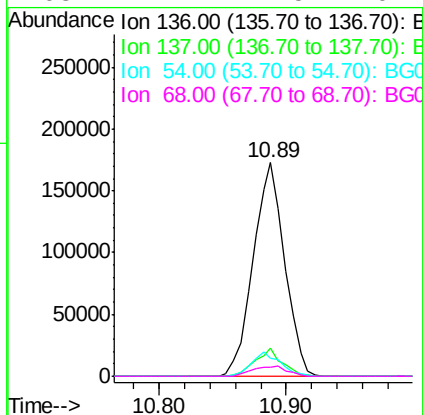
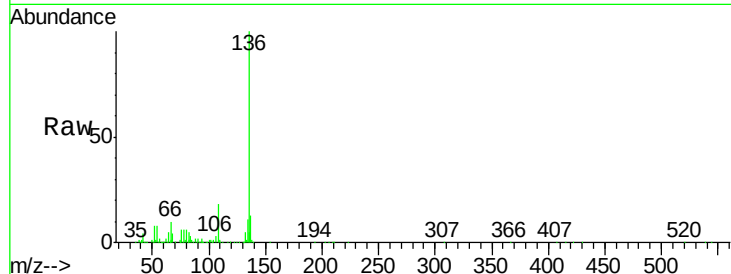




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG034127.D
Acq: 2 May 2018 22:03

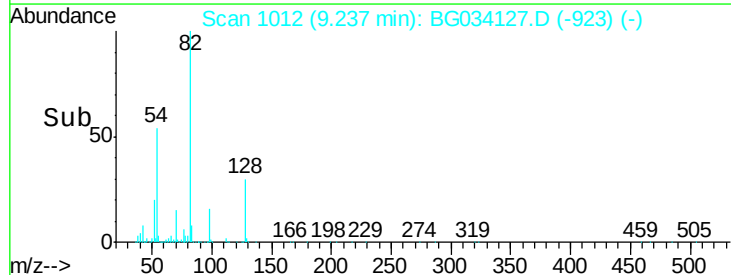
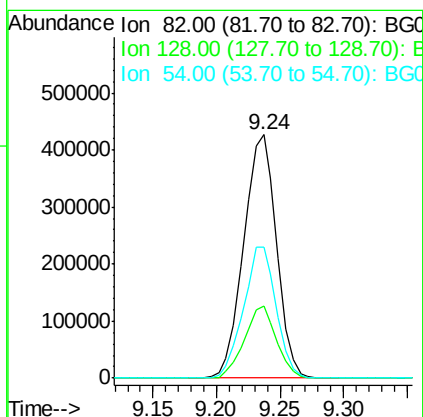
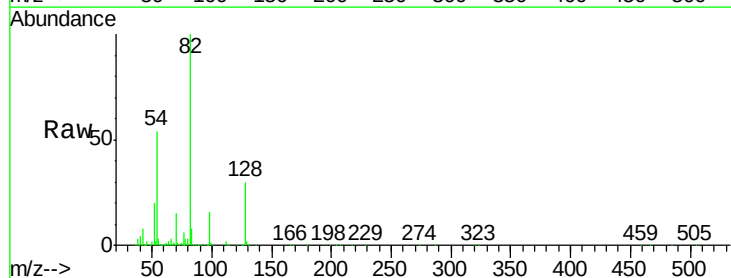
Instrument :
BNA_G
ClientSampleId :

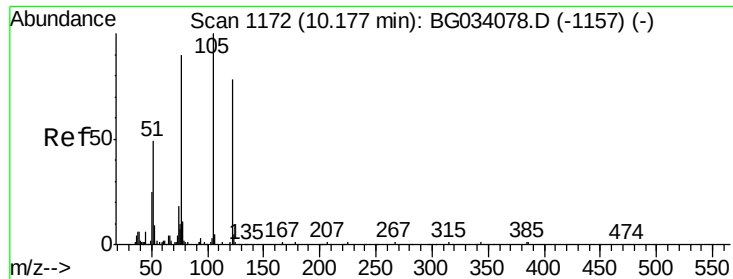
Tot Ion:136	Resp:	297143
Ion Ratio	Lower	Upper
136 100		
137 12.9	9.2	13.8
54 8.5	10.3	15.5#
68 4.1	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 98.92 ng
RT: 9.24 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BG034127.D
Acq: 2 May 2018 22:03

Tgt	Ion: 82	Resp:	766110
Ion	Ratio	Lower	Upper
82	100		
128	29.6	29.7	44.5#
54	53.6	43.1	64.7

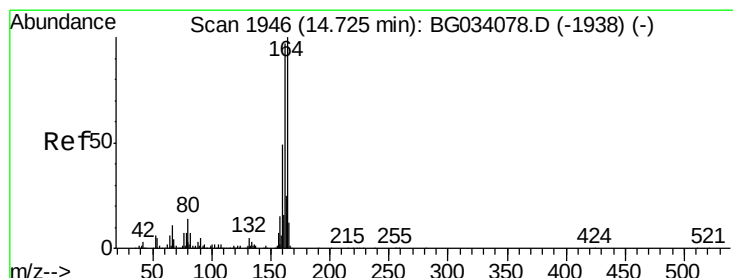
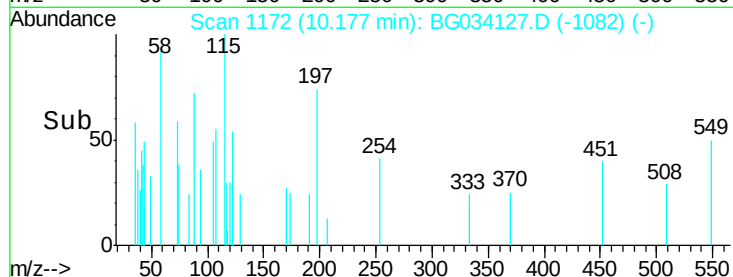
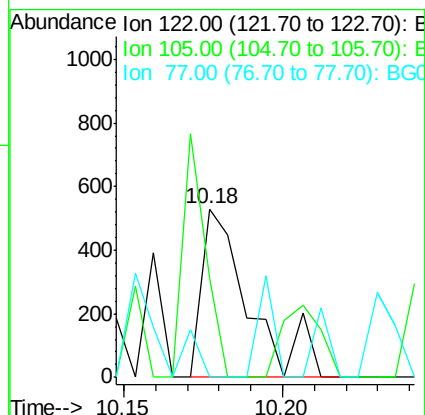
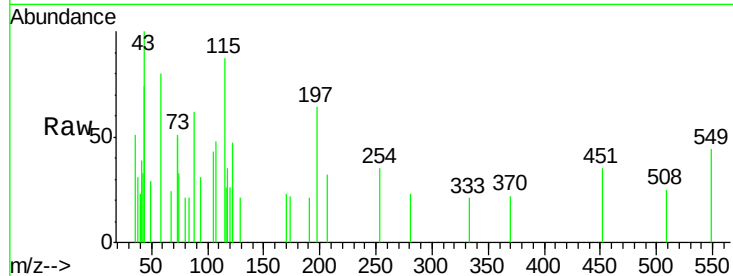




#32
Benzoic acid
Concen: 3.26 ng
RT: 10.18 min Scan# 1172
Delta R.T. -0.00 min
Lab File: BG034127.D
Acq: 2 May 2018 22:03

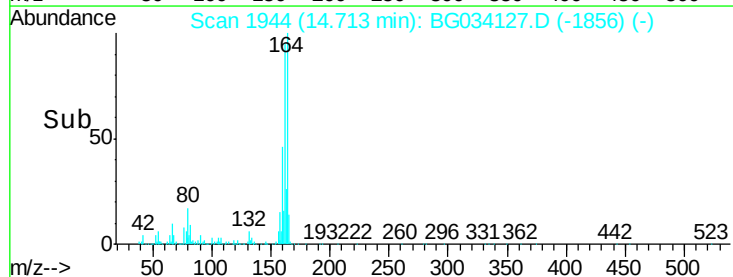
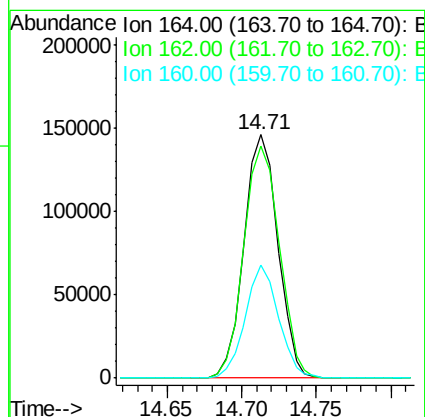
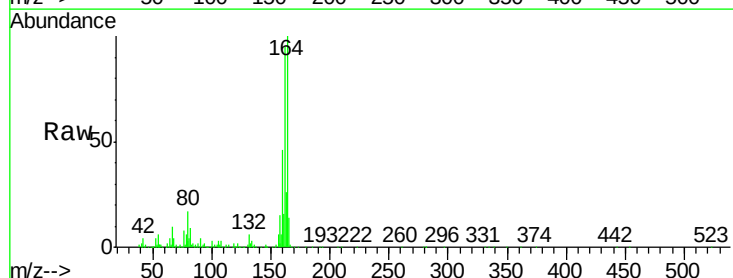
Instrument :
BNA_G
ClientSampleId :

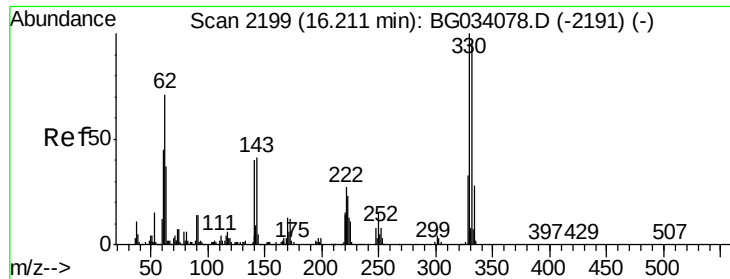
Tot Ion:122 Resp: 544
Ion Ratio Lower Upper
122 100
105 58.8 123.5 163.5#
77 0.0 85.7 125.7#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.71 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BG034127.D
Acq: 2 May 2018 22:03

Tgt Ion:164 Resp: 229951
Ion Ratio Lower Upper
164 100
162 95.1 78.8 118.2
160 46.4 35.4 53.0

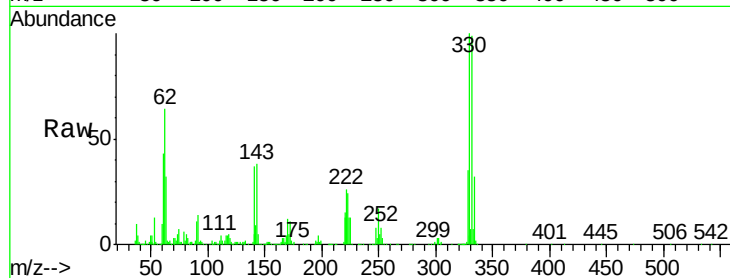




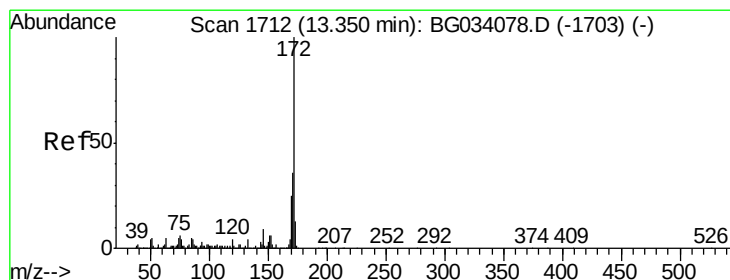
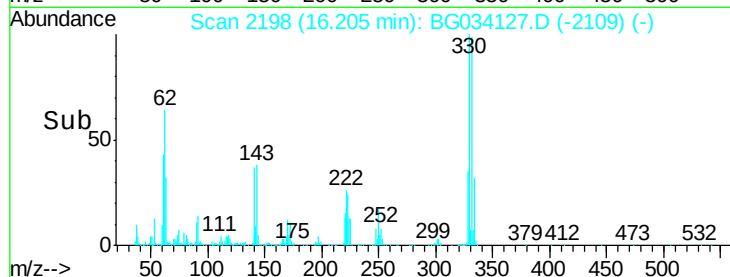
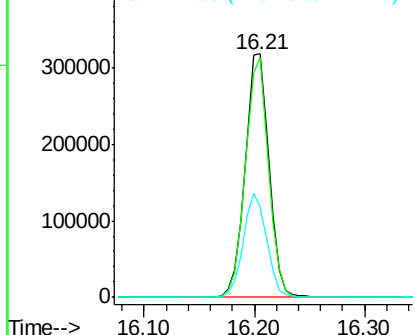
#41
 2,4,6-Tribromophenol
 Concen: 152.56 ng
 RT: 16.21 min Scan# 2198
 Delta R.T. -0.01 min
 Lab File: BG034127.D
 Acq: 2 May 2018 22:03

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 485784
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.0 115.6
 141 41.8 25.2 37.8#

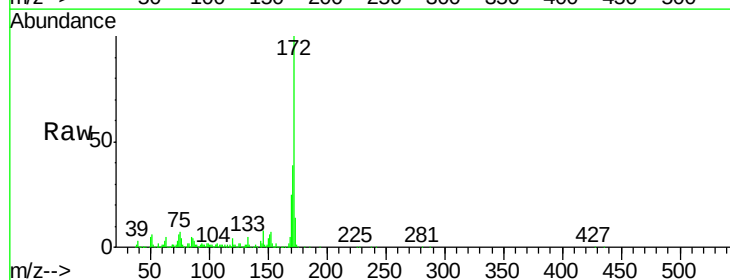


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

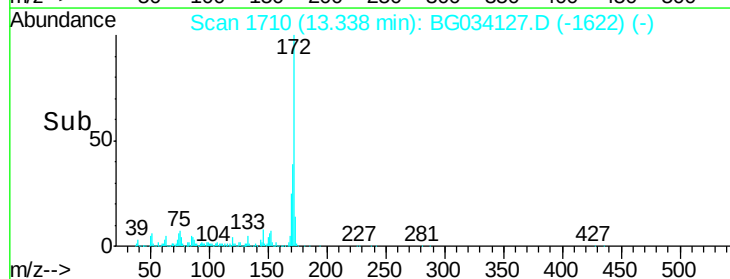
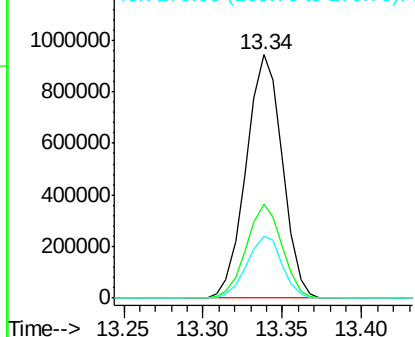


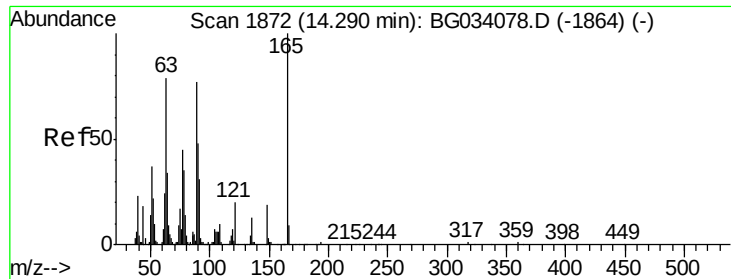
#44
 2-Fluorobiphenyl
 Concen: 94.89 ng
 RT: 13.34 min Scan# 1710
 Delta R.T. -0.01 min
 Lab File: BG034127.D
 Acq: 2 May 2018 22:03

Tgt Ion:172 Resp: 1497513
 Ion Ratio Lower Upper
 172 100
 171 38.8 30.0 45.0
 170 25.3 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

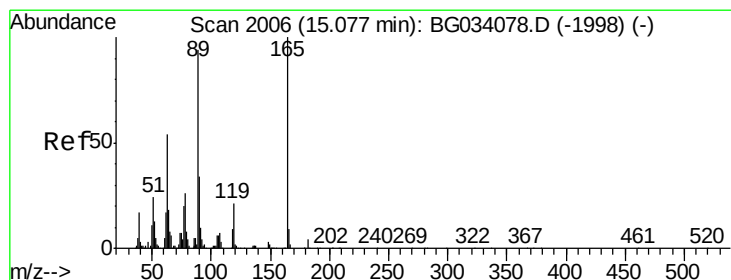
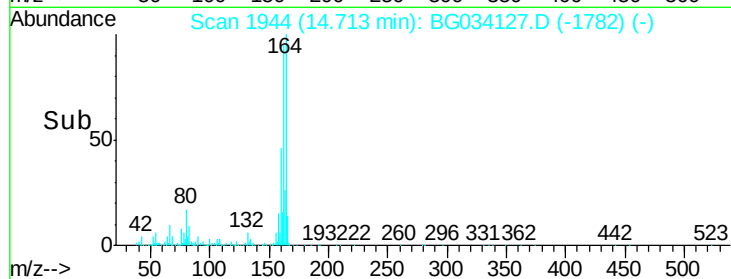
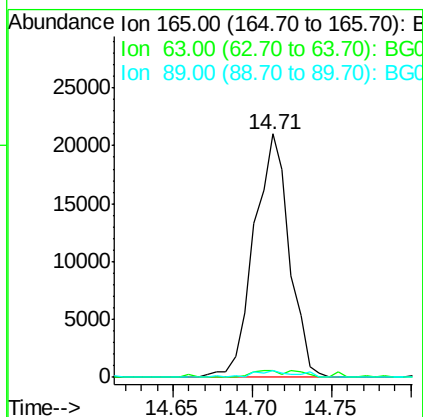
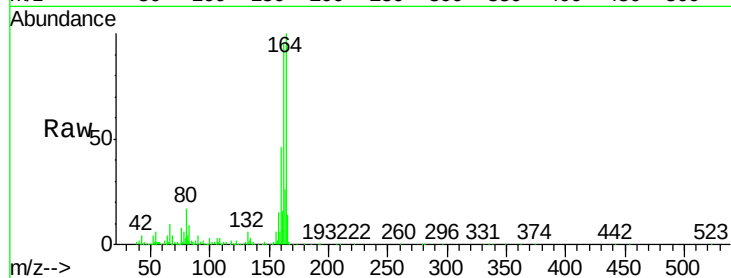




#50
 2,6-Dinitrotoluene
 Concen: 8.51 ng
 RT: 14.71 min Scan# 1944
 Delta R.T. 0.42 min
 Lab File: BG034127.D
 Acq: 2 May 2018 22:03

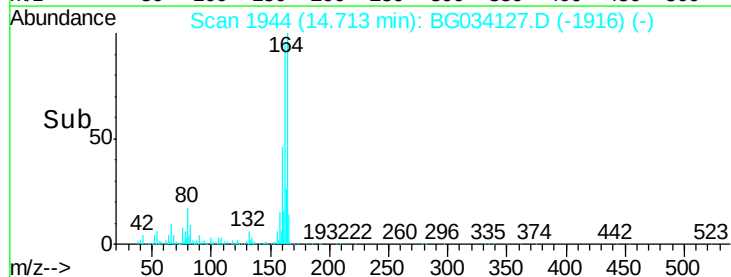
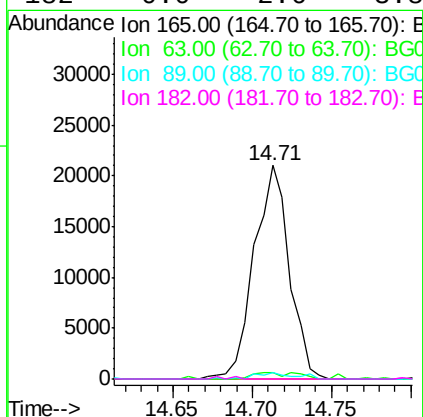
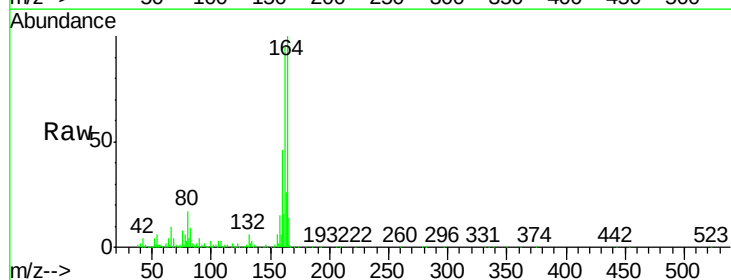
Instrument :
 BNA_G
 ClientSampleId :

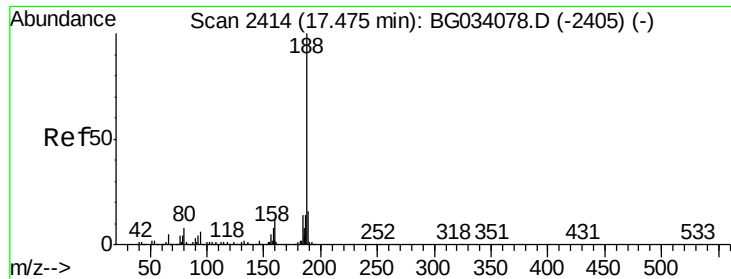
Tot Ion:165 Resp: 32579
 Ion Ratio Lower Upper
 165 100
 63 2.9 52.7 79.1#
 89 3.0 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 6.27 ng
 RT: 14.71 min Scan# 1944
 Delta R.T. -0.36 min
 Lab File: BG034127.D
 Acq: 2 May 2018 22:03

Tgt Ion:165 Resp: 32579
 Ion Ratio Lower Upper
 165 100
 63 2.9 42.0 63.0#
 89 3.0 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: BG034127.D

Acq: 2 May 2018 22:03

Instrument :

BNA_G

ClientSampleId :

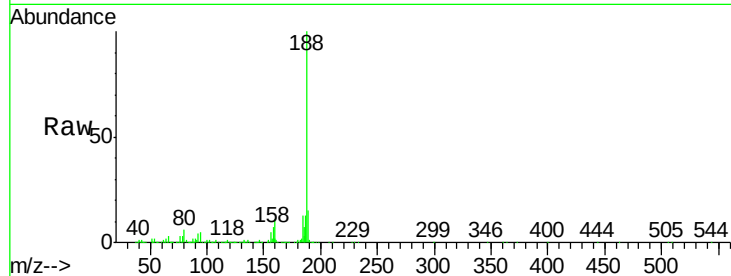
Tot Ion:188 Resp: 634544

Ion Ratio Lower Upper

188 100

94 5.5 6.9 10.3#

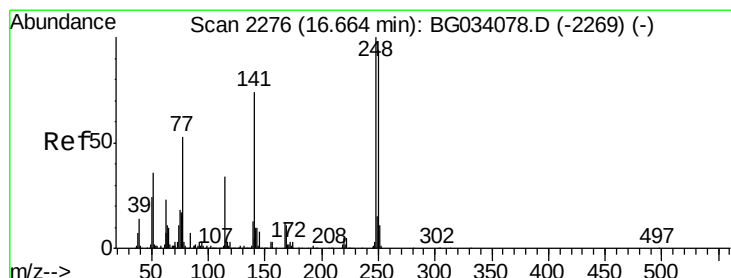
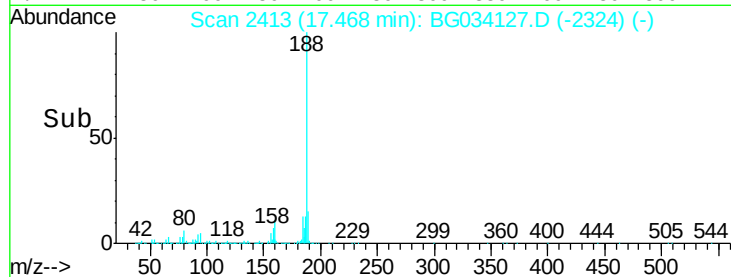
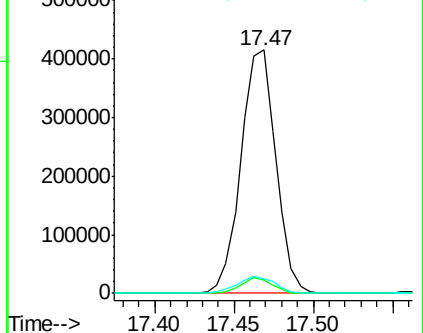
80 6.0 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#66

4-Bromophenyl-phenylether

Concen: 5.29 ng

RT: 16.20 min Scan# 2197

Delta R.T. -0.46 min

Lab File: BG034127.D

Acq: 2 May 2018 22:03

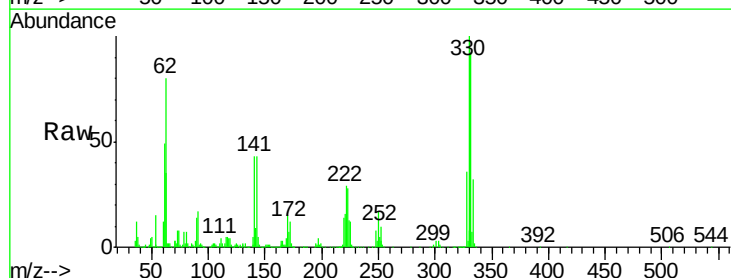
Tgt Ion:248 Resp: 41686

Ion Ratio Lower Upper

248 100

250 211.3 77.1 115.7#

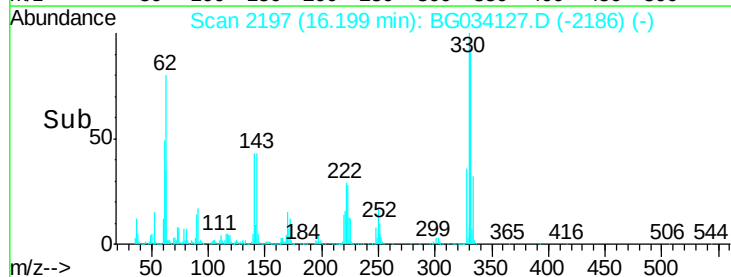
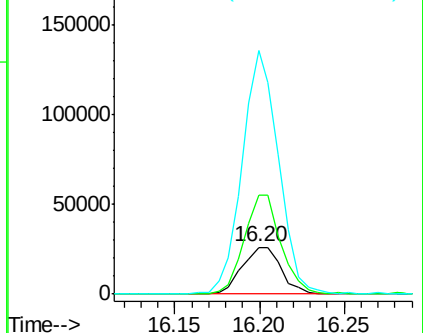
141 523.1 50.8 76.2#

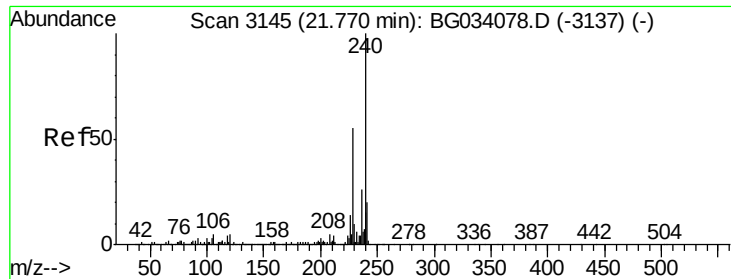


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

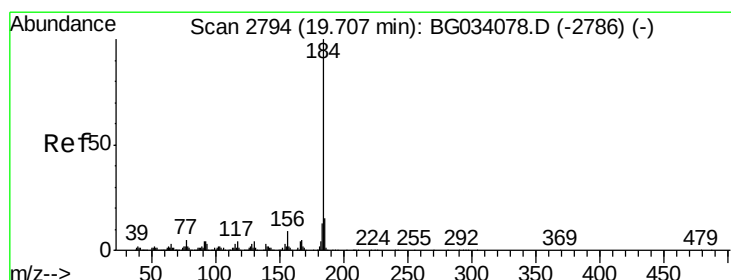
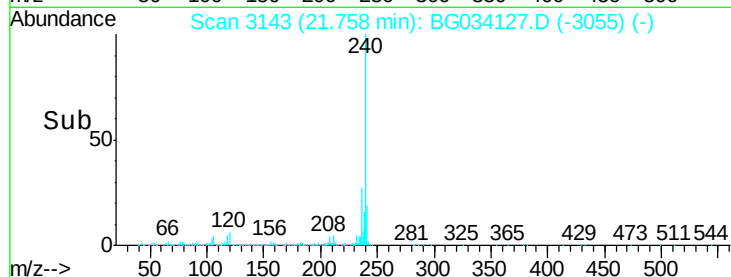
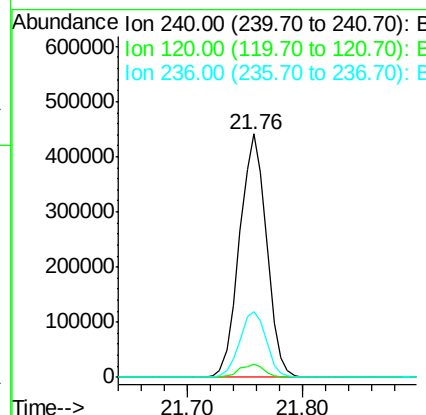
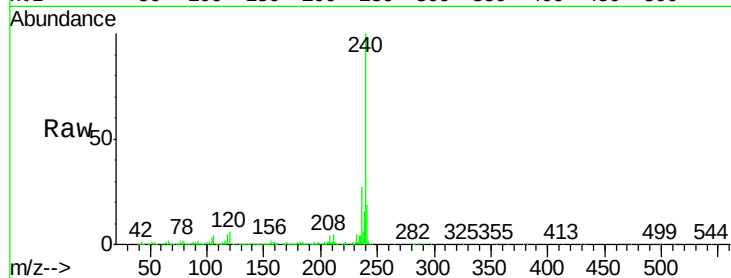




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.76 min Scan# 3143
Delta R.T. -0.01 min
Lab File: BG034127.D
Acq: 2 May 2018 22:03

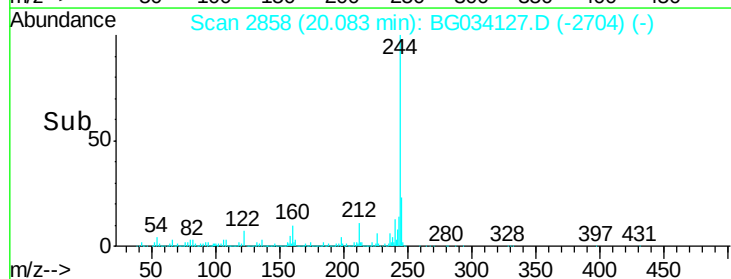
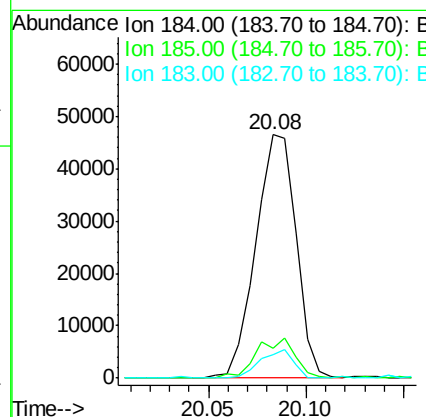
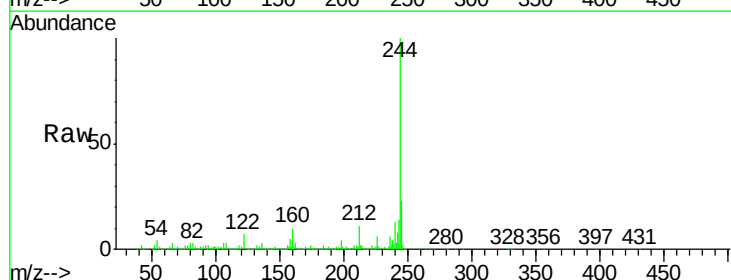
Instrument :
BNA_G
ClientSampled :

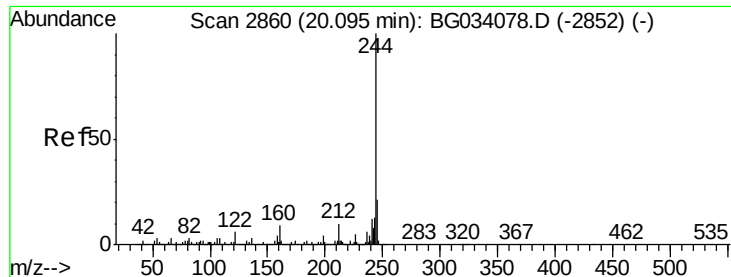
Tot Ion:240 Resp: 715638
Ion Ratio Lower Upper
240 100
120 5.5 6.8 10.2#
236 26.9 20.9 31.3



#76
Benzidine
Concen: 3.61 ng
RT: 20.08 min Scan# 2858
Delta R.T. 0.38 min
Lab File: BG034127.D
Acq: 2 May 2018 22:03

Tgt Ion:184 Resp: 66547
Ion Ratio Lower Upper
184 100
185 12.5 11.1 16.7
183 9.6 10.6 16.0#





#78

Terphenyl-d14

Concen: 89.68 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG034127.D

Acq: 2 May 2018 22:03

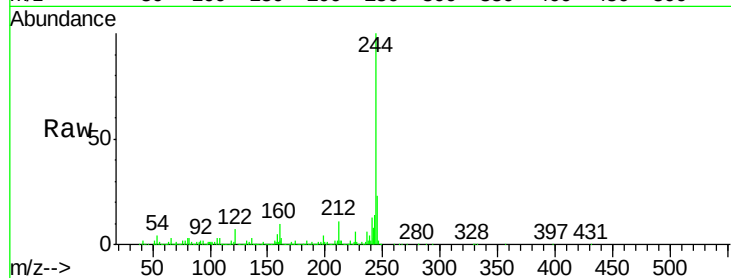
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 2929616

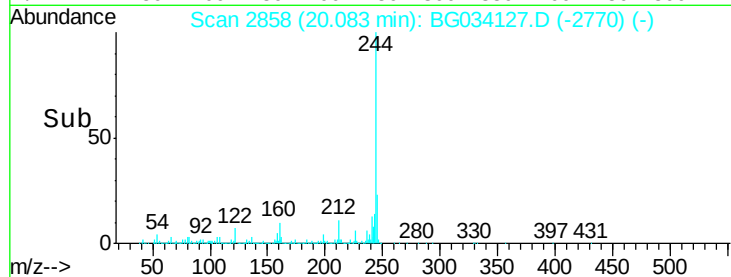
Ion	Ratio	Lower	Upper
244	100		
212	11.0	5.8	8.8#
122	6.8	7.0	10.4#



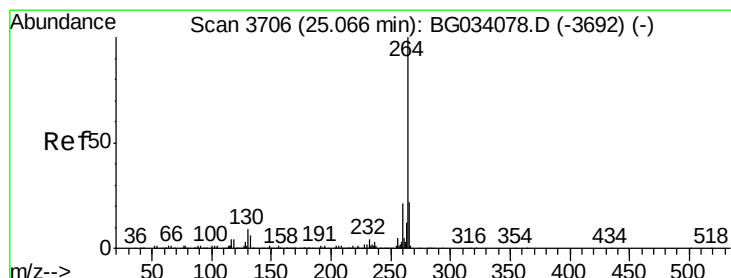
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.04 min Scan# 3702

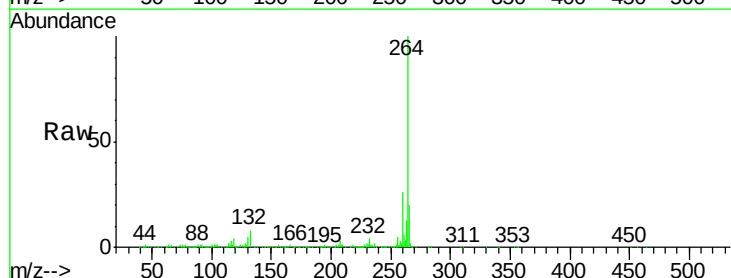
Delta R.T. -0.02 min

Lab File: BG034127.D

Acq: 2 May 2018 22:03

Tgt Ion:264 Resp: 712707

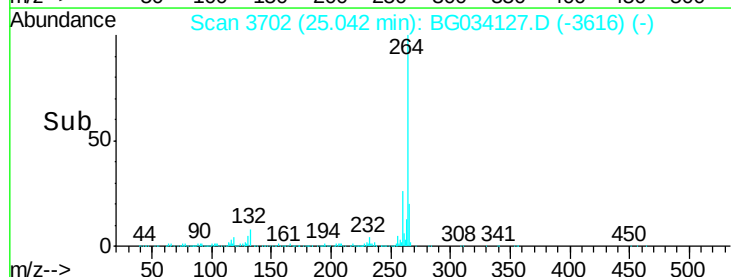
Ion	Ratio	Lower	Upper
264	100		
260	25.6	17.4	26.0
265	20.1	17.7	26.5



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



Time-->