

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080618\
 Data File : BG036128.D
 Acq On : 6 Aug 2018 15:30
 Operator : JU/SJ
 Sample : J4310-04RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C-2

Quant Time: Aug 06 16:39:19 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 12:30:06 2018
 Response via : Initial Calibration

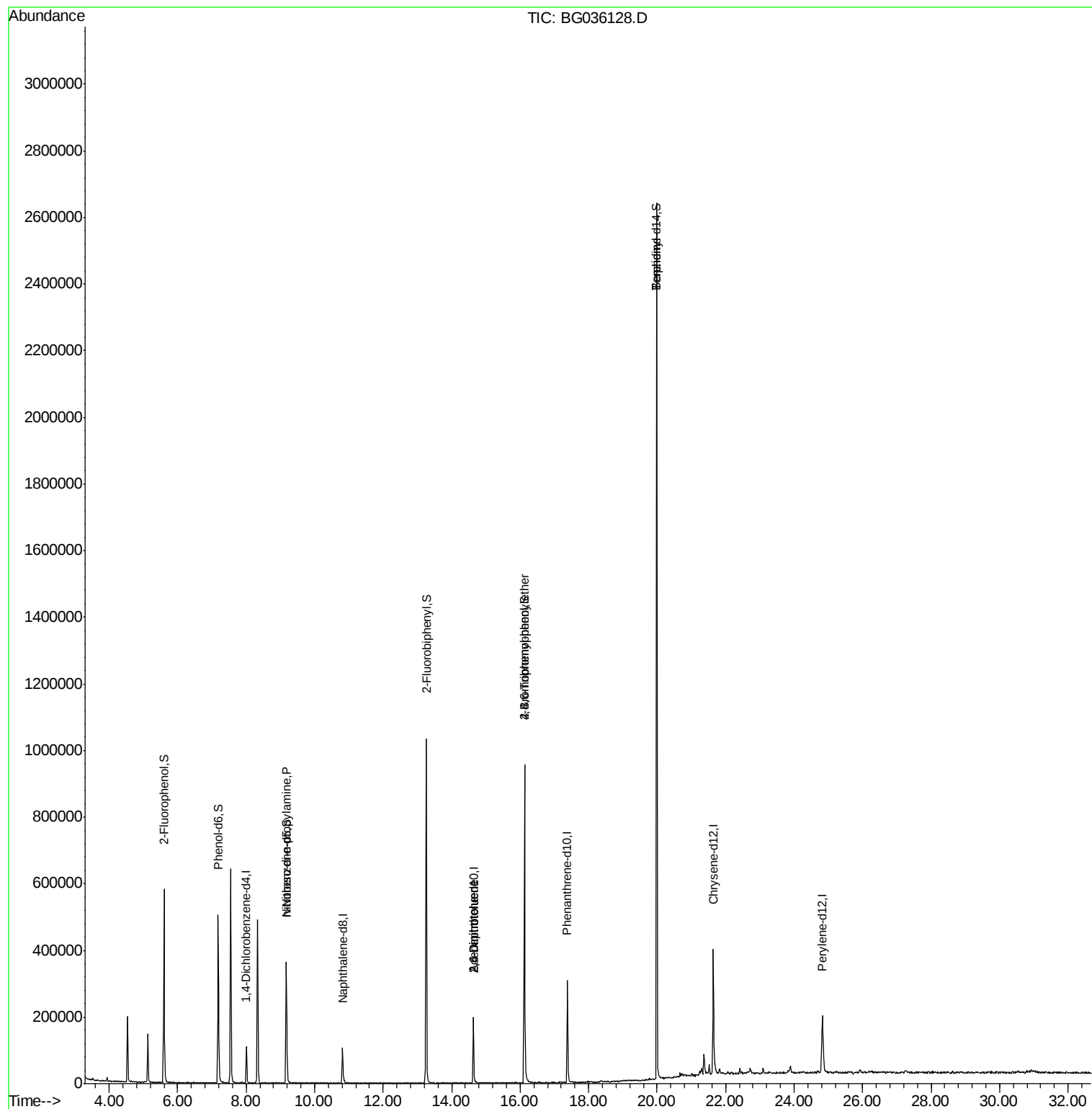
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	30476	20.00	ng	-0.02
21) Naphthalene-d8	10.82	136	105760	20.00	ng	-0.02
38) Acenaphthene-d10	14.63	164	73142	20.00	ng	-0.02
63) Phenanthrene-d10	17.38	188	220348	20.00	ng	-0.02
75) Chrysene-d12	21.64	240	254941	20.00	ng	-0.02
86) Perylene-d12	24.83	264	178943	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	258183	140.65	ng	0.00
7) Phenol-d6	7.19	99	318455	116.28	ng	-0.01
23) Nitrobenzene-d5	9.17	82	274301	108.35	ng	-0.02
41) 2,4,6-Tribromophenol	16.13	330	202165	209.70	ng	-0.02
44) 2-Fluorobiphenyl	13.26	172	597958	109.53	ng	-0.02
78) Terphenyl-d14	19.99	244	1305203	112.85	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	38204	16.565	ng	# 63
50) 2,6-Dinitrotoluene	14.64	165	9009	6.904	ng	# 20
56) 2,4-Dinitrotoluene	14.64	165	9009	4.812	ng	# 18
66) 4-Bromophenyl-phenylether	16.12	248	15955	6.241	ng	# 1
76) Benzidine	19.99	184	24541	3.661	ng	# 91

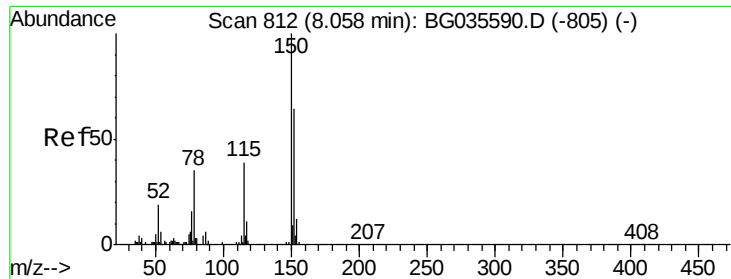
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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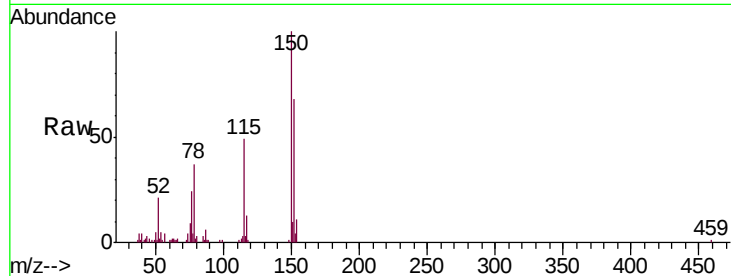


#1

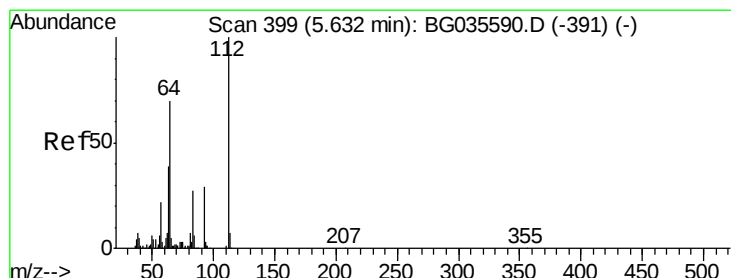
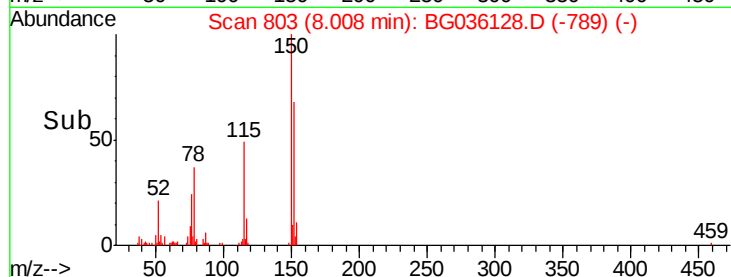
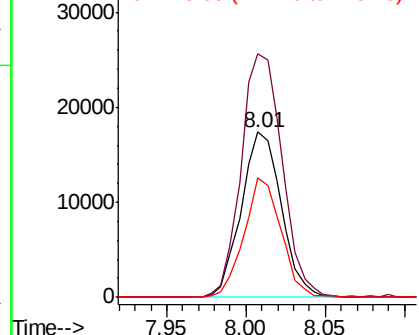
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 803
Delta R.T. -0.02 min
Lab File: BG036128.D
Acq: 6 Aug 2018 15:30

Instrument :
BNA_G
ClientSampleId :
C-2

Tgt Ion:152 Resp: 30476
Ion Ratio Lower Upper
152 100
150 147.2 126.6 189.8
115 72.4 53.0 79.4



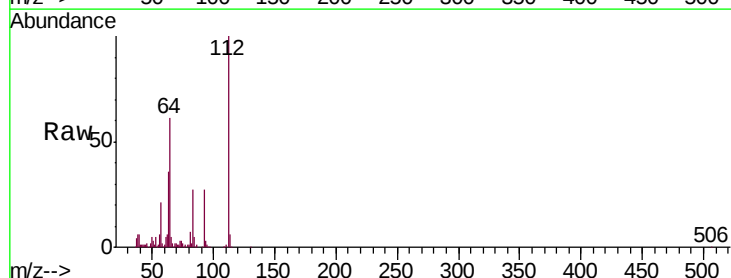
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



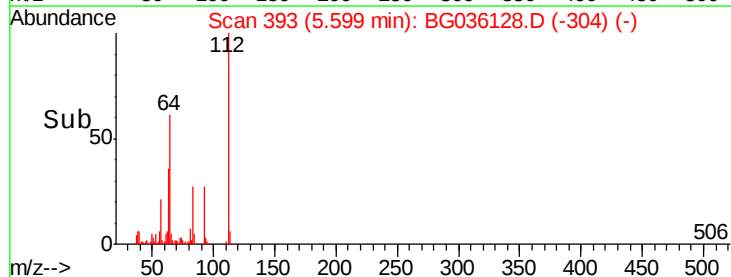
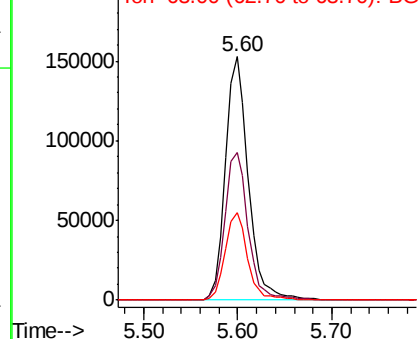
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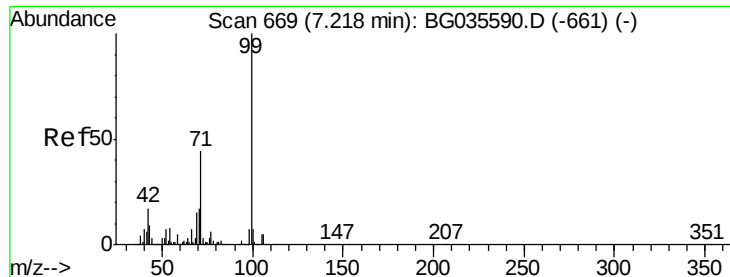
2-Fluorophenol
Concen: 140.650 ng
RT: 5.60 min Scan# 393
Delta R.T. -0.00 min
Lab File: BG036128.D
Acq: 6 Aug 2018 15:30

Tgt Ion:112 Resp: 258183
Ion Ratio Lower Upper
112 100
64 60.8 56.3 84.5
63 36.1 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 116.277 ng

RT: 7.19 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036128.D

Acq: 6 Aug 2018 15:30

Instrument :

BNA_G

ClientSampleId :

C-2

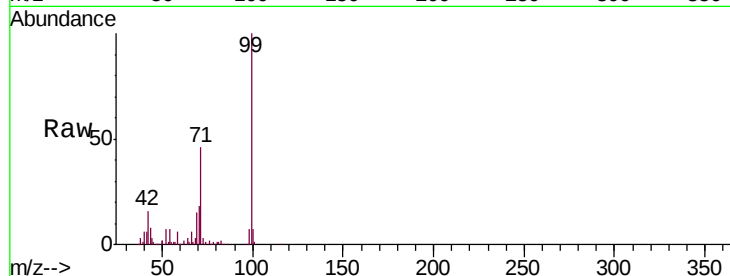
Tgt Ion: 99 Resp: 318455

Ion Ratio Lower Upper

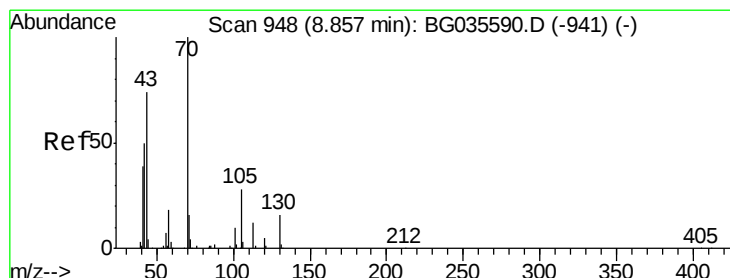
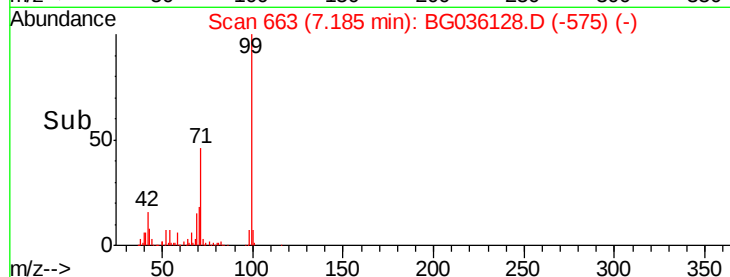
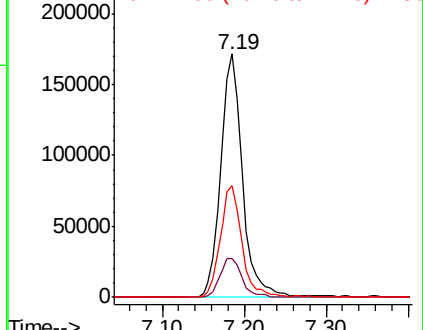
99 100

42 16.1 14.1 21.1

71 45.9 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: 16.565 ng

RT: 9.18 min Scan# 1002

Delta R.T. 0.35 min

Lab File: BG036128.D

Acq: 6 Aug 2018 15:30

Tgt Ion: 70 Resp: 38204

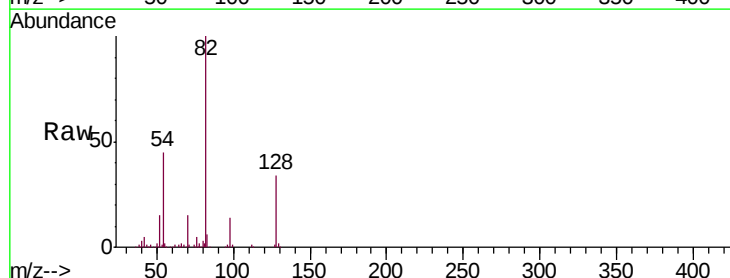
Ion Ratio Lower Upper

70 100

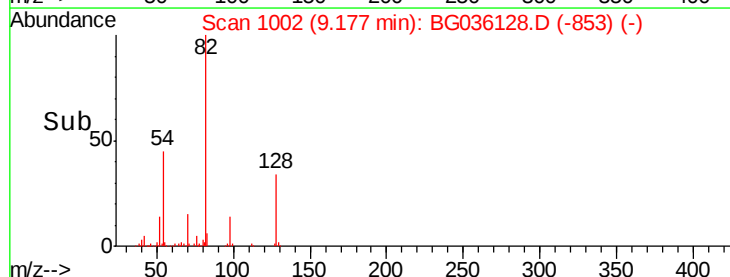
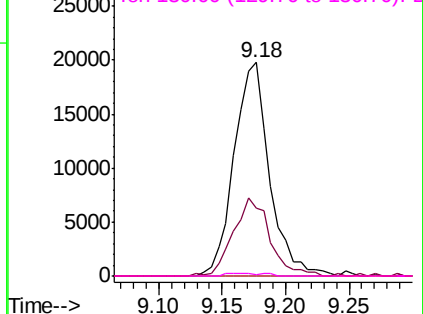
42 31.9 49.1 73.7#

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: 10.82 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BG036128.D

Acq: 6 Aug 2018 15:30

Instrument :

BNA_G

ClientSampleId :

C-2

Tgt Ion: 136 Resp: 105760

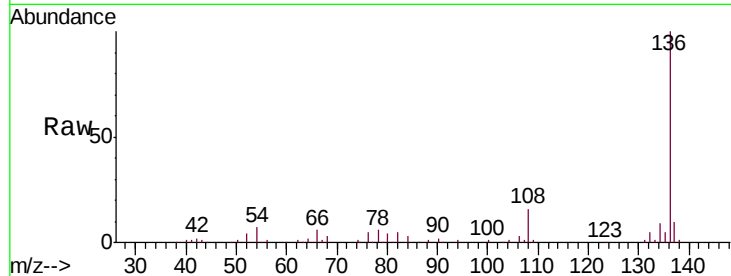
Ion Ratio Lower Upper

136 100

137 10.1 9.2 13.8

54 7.2 10.3 15.5#

68 3.3 4.5 6.7#

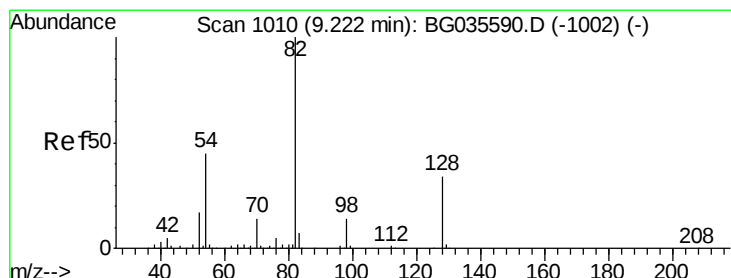
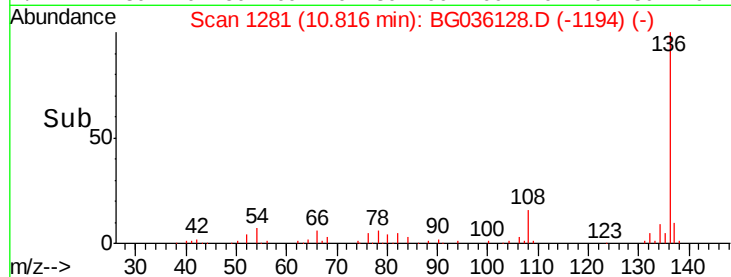
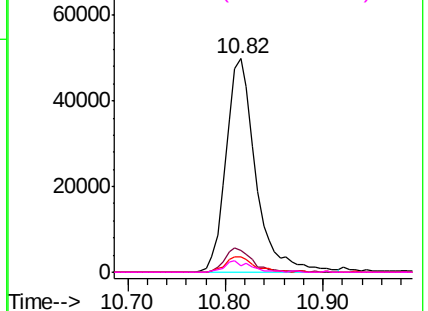


Abundance Ion 136.00 (135.70 to 136.70): B

Ion 137.00 (136.70 to 137.70): B

Ion 54.00 (53.70 to 54.70): B

Ion 68.00 (67.70 to 68.70): B



#23

Nitrobenzene-d5

Concen: 108.348 ng

RT: 9.17 min Scan# 1001

Delta R.T. -0.02 min

Lab File: BG036128.D

Acq: 6 Aug 2018 15:30

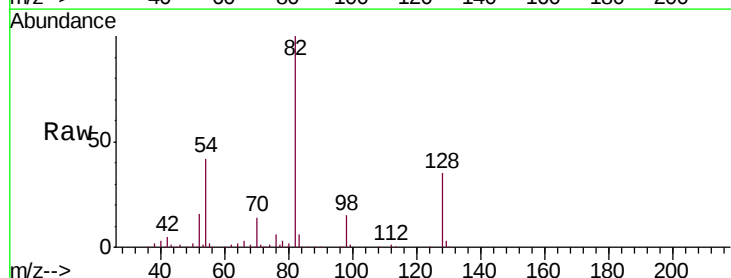
Tgt Ion: 82 Resp: 274301

Ion Ratio Lower Upper

82 100

128 34.5 29.7 44.5

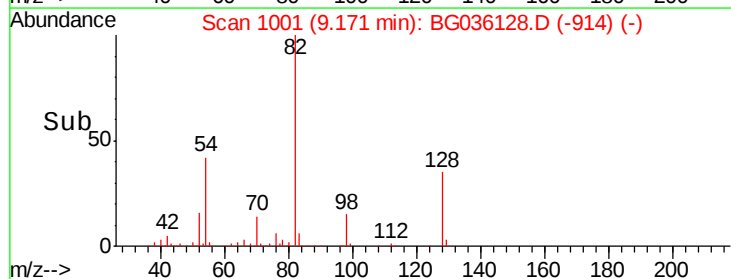
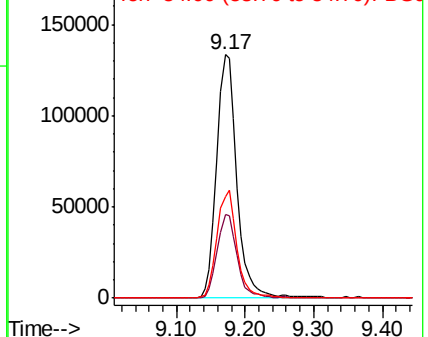
54 41.6 43.1 64.7#



Abundance Ion 82.00 (81.70 to 82.70): B

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): B





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1931

Delta R.T. -0.02 min

Lab File: BG036128.D

Acq: 6 Aug 2018 15:30

Instrument :

BNA_G

ClientSampleId :

C-2

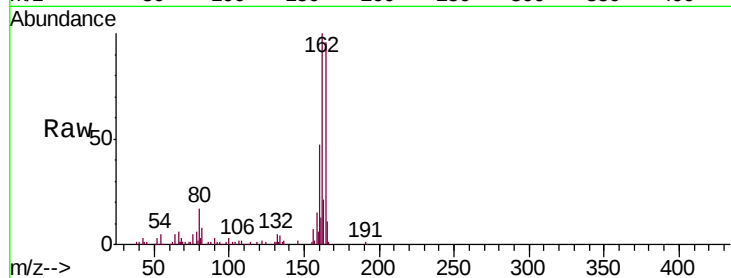
Tgt Ion:164 Resp: 73142

Ion Ratio Lower Upper

164 100

162 104.6 78.8 118.2

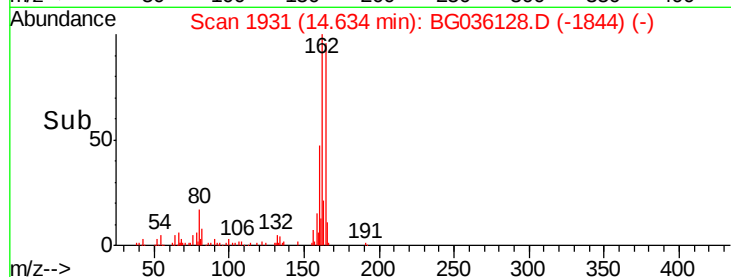
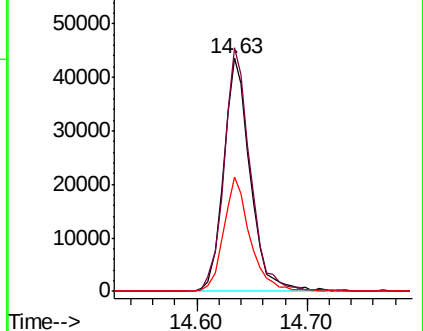
160 49.3 35.4 53.0



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: 209.702 ng

RT: 16.13 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BG036128.D

Acq: 6 Aug 2018 15:30

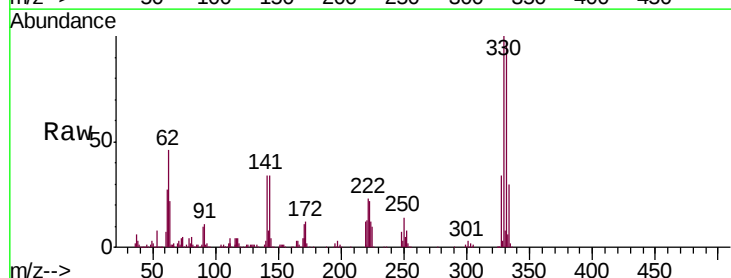
Tgt Ion:330 Resp: 202165

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

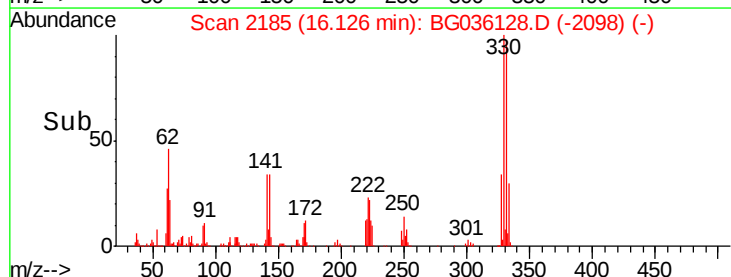
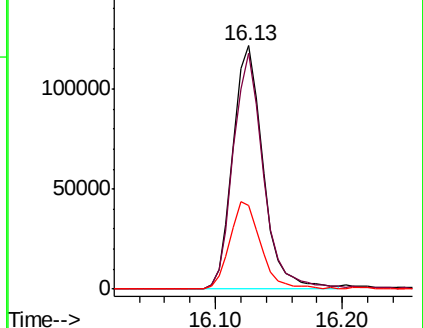
141 36.6 25.2 37.8

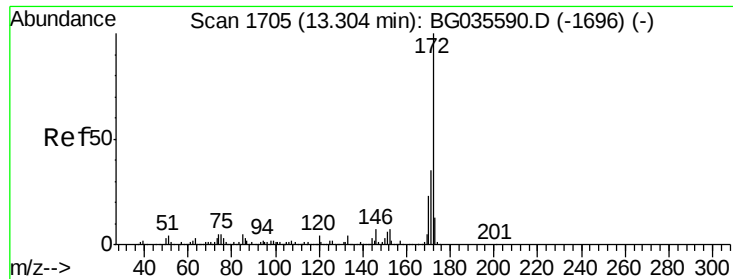


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

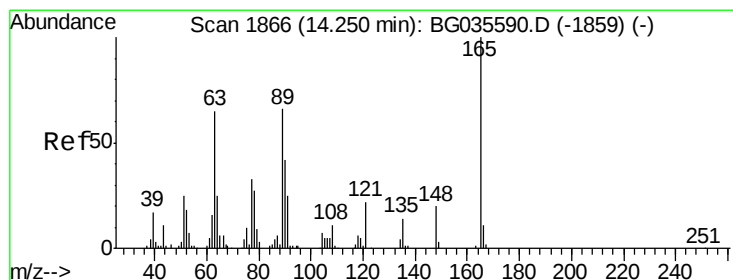
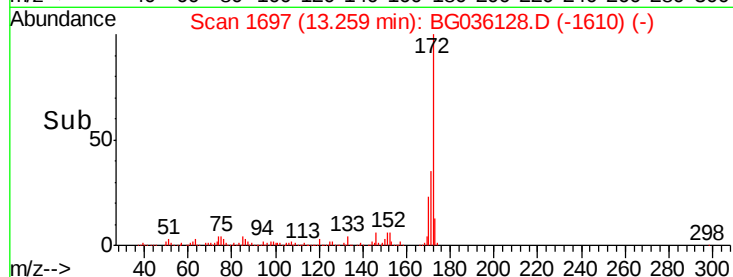
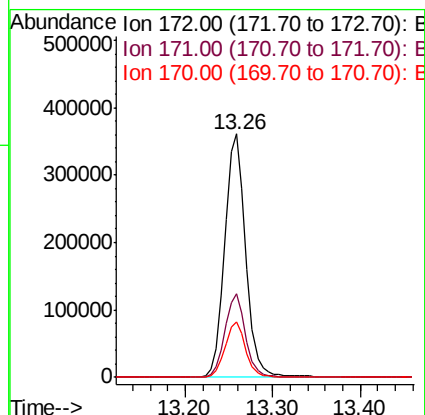
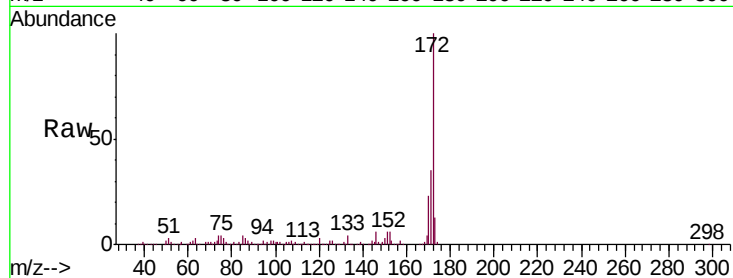




#44
 2-Fluorobiphenyl
 Concen: 109.528 ng
 RT: 13.26 min Scan# 1697
 Delta R.T. -0.02 min
 Lab File: BG036128.D
 Acq: 6 Aug 2018 15:30

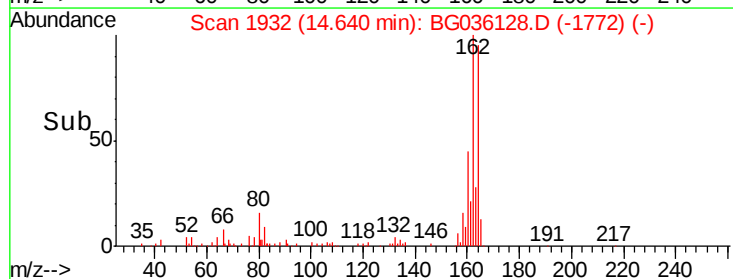
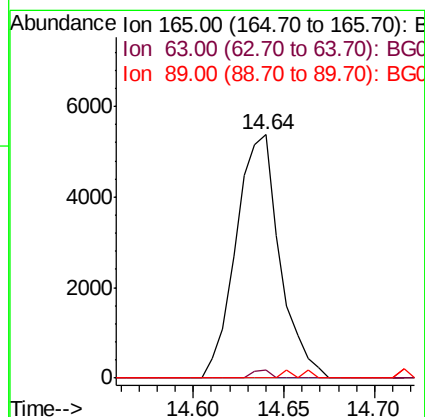
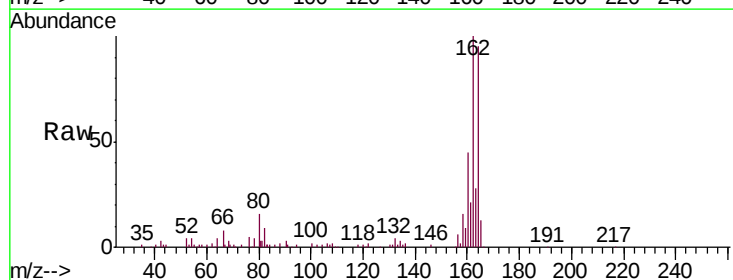
Instrument :
 BNA_G
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 C-2

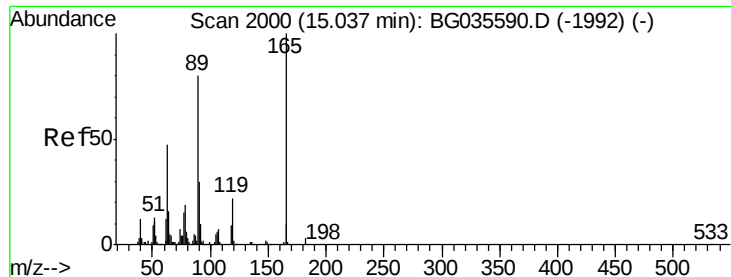
Tgt Ion:172 Resp: 597958
 Ion Ratio Lower Upper
 172 100
 171 34.5 30.0 45.0
 170 22.6 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 6.904 ng
 RT: 14.64 min Scan# 1932
 Delta R.T. 0.41 min
 Lab File: BG036128.D
 Acq: 6 Aug 2018 15:30

Tgt Ion:165 Resp: 9009
 Ion Ratio Lower Upper
 165 100
 63 3.3 52.7 79.1#
 89 0.0 49.2 73.8#

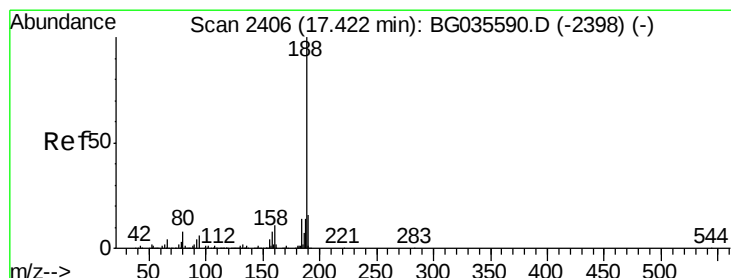
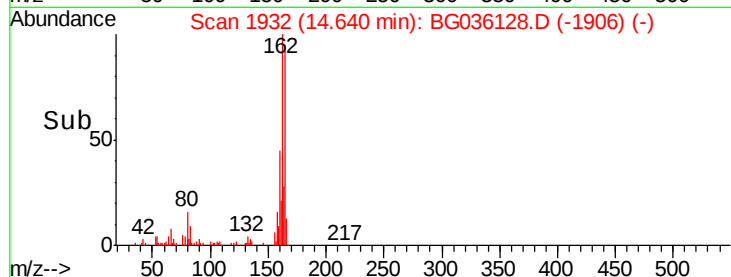
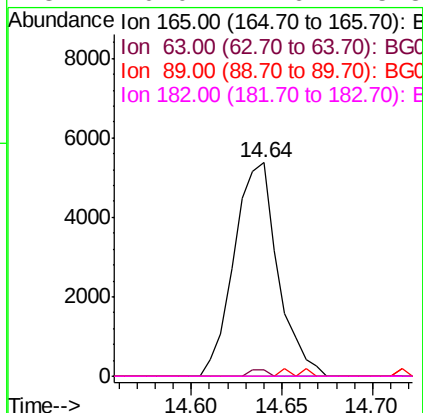
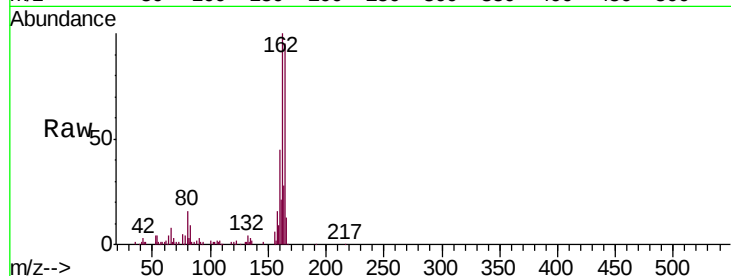




#56
 2,4-Dinitrotoluene
 Concen: 4.812 ng
 RT: 14.64 min Scan# 1932
 Delta R.T. -0.38 min
 Lab File: BG036128.D
 Acq: 6 Aug 2018 15:30

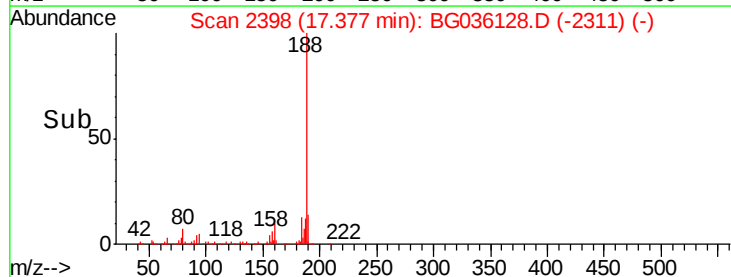
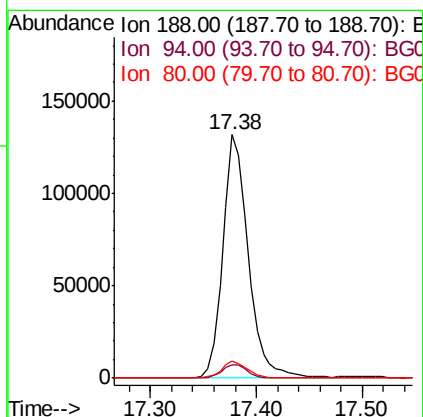
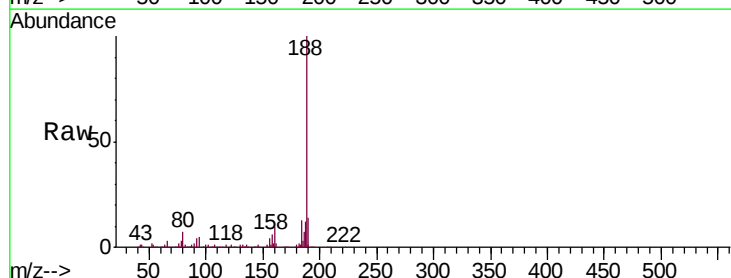
Instrument :
 BNA_G
 ClientSampleId :
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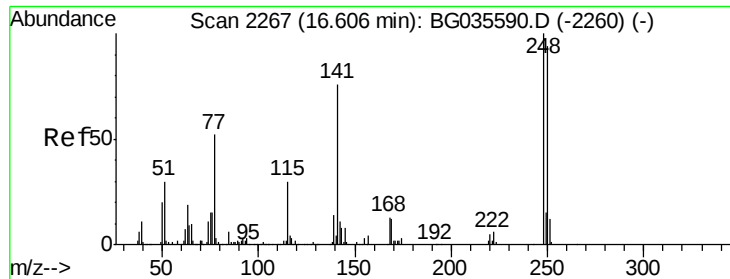
Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.3	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.38 min Scan# 2398
 Delta R.T. -0.02 min
 Lab File: BG036128.D
 Acq: 6 Aug 2018 15:30

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.2	6.9	10.3#
80	6.8	7.7	11.5#

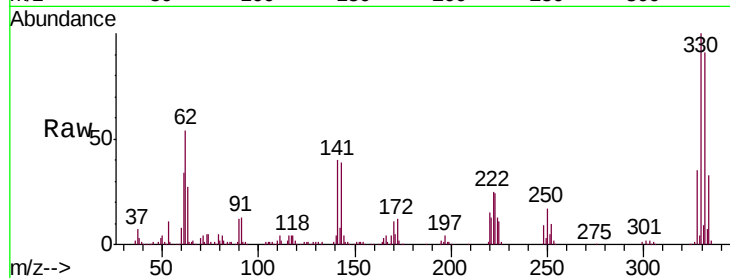




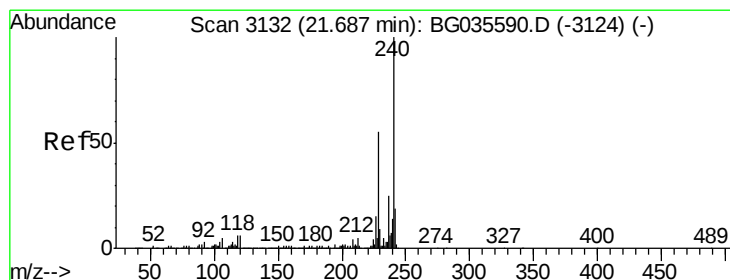
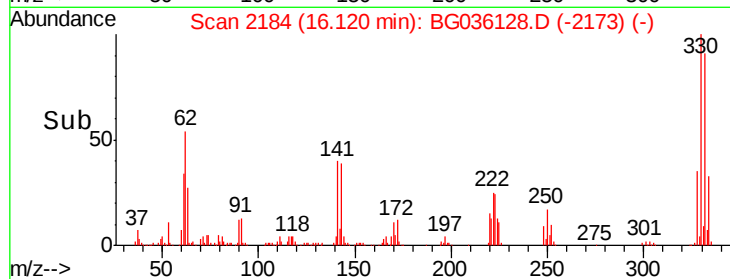
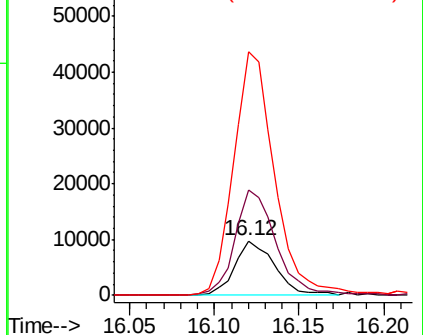
#66
 4-Bromophenyl-phenylether
 Concen: 6.241 ng
 RT: 16.12 min Scan# 2184
 Delta R.T. -0.46 min
 Lab File: BG036128.D
 Acq: 6 Aug 2018 15:30

Instrument :
 BNA_G
 ClientSampled :
 C-2

Tgt Ion:248 Resp: 15955
 Ion Ratio Lower Upper
 248 100
 250 194.0 77.1 115.7#
 141 448.2 50.8 76.2#

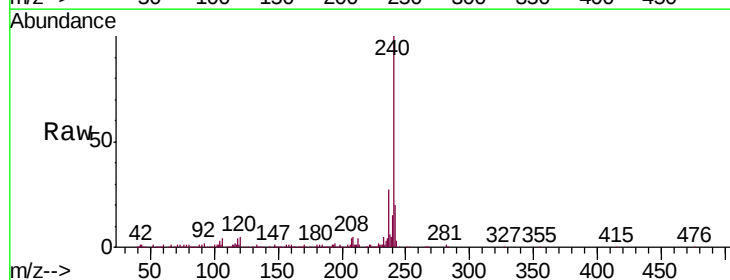


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

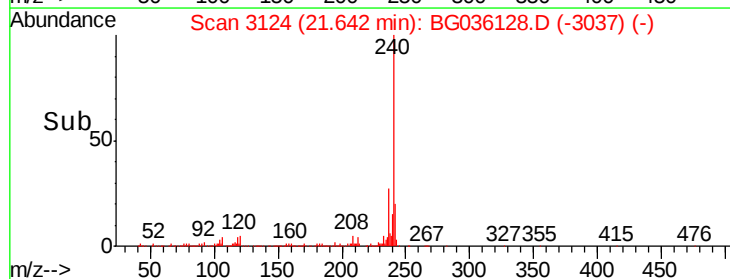
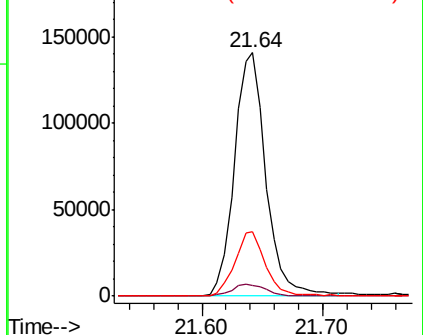


#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.64 min Scan# 3124
 Delta R.T. -0.02 min
 Lab File: BG036128.D
 Acq: 6 Aug 2018 15:30

Tgt Ion:240 Resp: 254941
 Ion Ratio Lower Upper
 240 100
 120 4.6 6.8 10.2#
 236 26.7 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

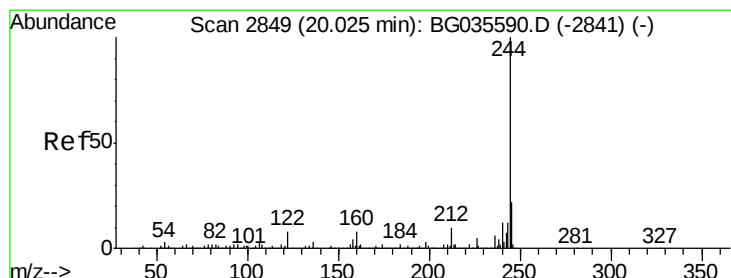
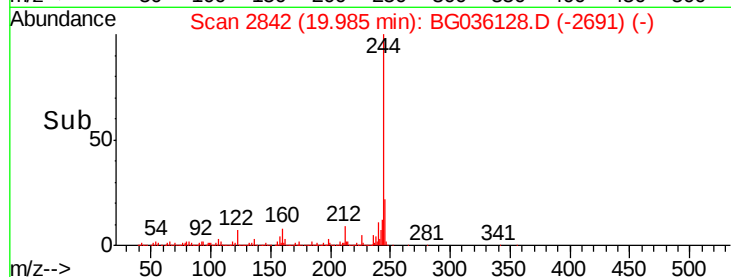
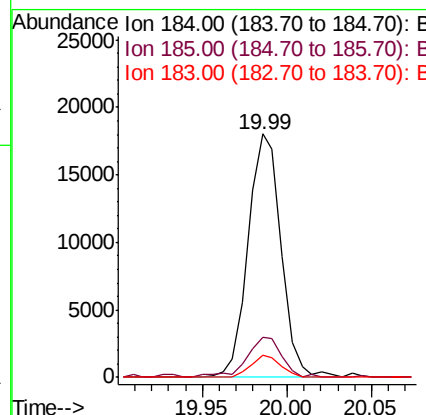
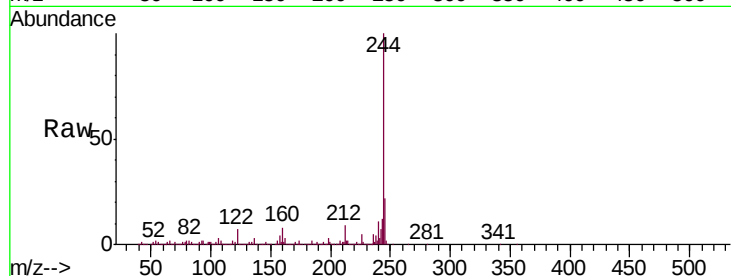




#76
Benzidine
Concen: 3.661 ng
RT: 19.99 min Scan# 2842
Delta R.T. 0.36 min
Lab File: BG036128.D
Acq: 6 Aug 2018 15:30

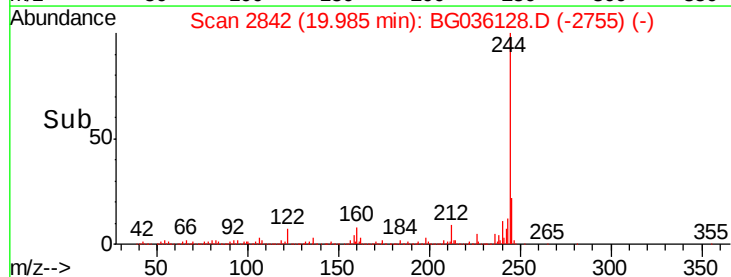
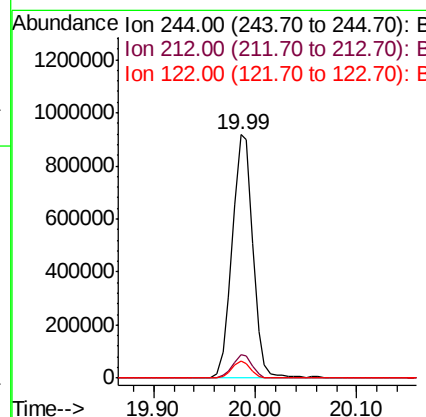
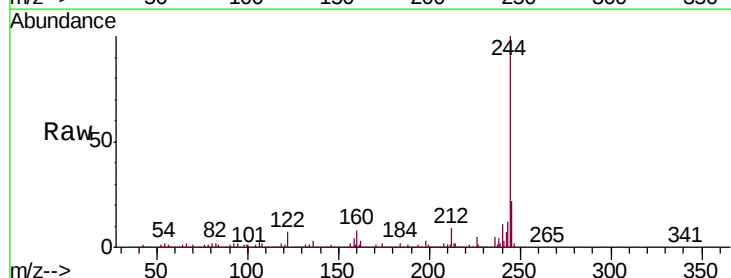
Instrument :
BNA_G
ClientSampled :
C-2

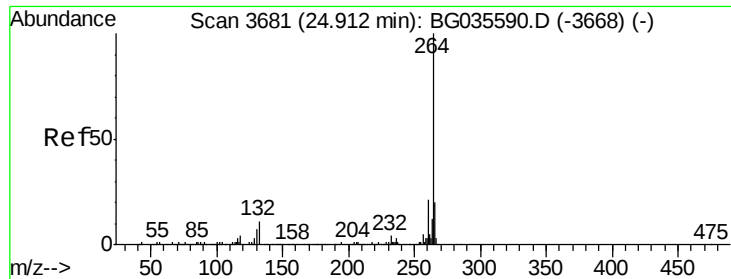
Tgt Ion:184 Resp: 24541
Ion Ratio Lower Upper
184 100
185 16.7 11.1 16.7#
183 9.2 10.6 16.0#



#78
Terphenyl-d14
Concen: 112.852 ng
RT: 19.99 min Scan# 2842
Delta R.T. -0.02 min
Lab File: BG036128.D
Acq: 6 Aug 2018 15:30

Tgt Ion:244 Resp: 1305203
Ion Ratio Lower Upper
244 100
212 9.5 5.8 8.8#
122 7.1 7.0 10.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.83 min Scan# 3666
Delta R.T. -0.03 min
Lab File: BG036128.D
Acq: 6 Aug 2018 15:30

Instrument :
BNA_G
ClientSampleId :
C-2

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	17.4	26.0
265	21.0	17.7	26.5

