

Data File : BG036599.D
Acq On : 7 Sep 2018 16:22
Operator : JU/SJ
Sample : J4798-06RE
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
090418-SIDI-E-D-M

Quant Time: Sep 08 00:45:01 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 31 13:03:20 2018
Response via : Initial Calibration

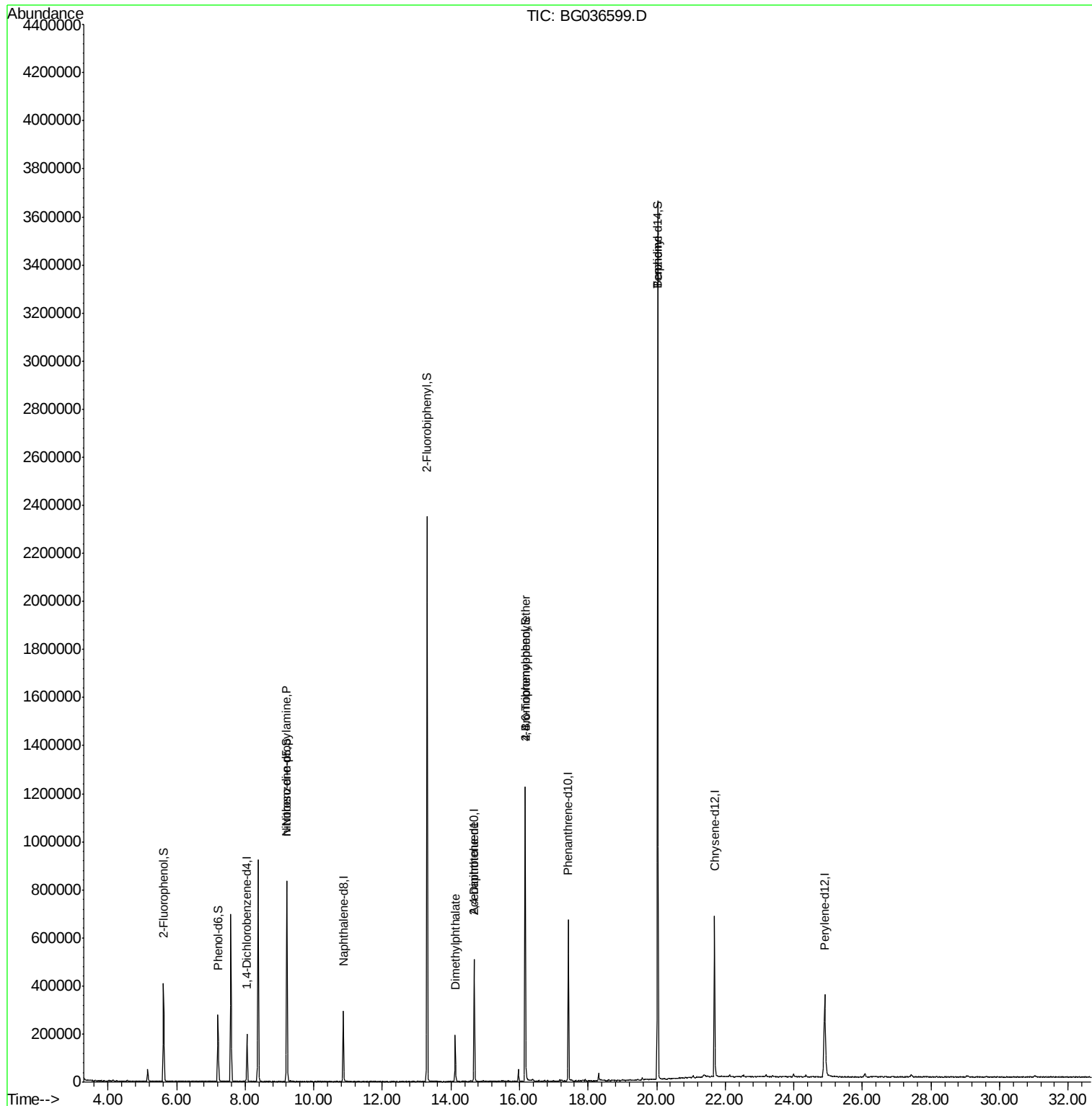
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	57348	20.00	ng	-0.01
21) Naphthalene-d8	10.86	136	247939	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	170860	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	426504	20.00	ng	0.00
75) Chrysene-d12	21.69	240	437345	20.00	ng	0.00
86) Perylene-d12	24.90	264	422427	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	177621	49.13	ng	0.00
7) Phenol-d6	7.21	99	158313	30.59	ng	-0.01
23) Nitrobenzene-d5	9.22	82	505422	110.60	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	230286	112.95	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	1186816	99.18	ng	0.00
78) Terphenyl-d14	20.03	244	1722578	92.06	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	66363	17.155	ng	# 70
49) Dimethylphthalate	14.13	163	130739	9.371	ng	# 99
56) 2,4-Dinitrotoluene	14.68	165	21392	5.717	ng	# 21
66) 4-Bromophenyl-phenylether	16.17	248	15944	3.193	ng	# 1
76) Benzidine	20.03	184	30554	2.190	ng	# 93

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

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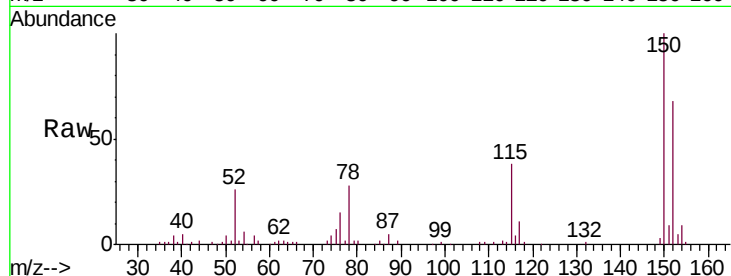


#1

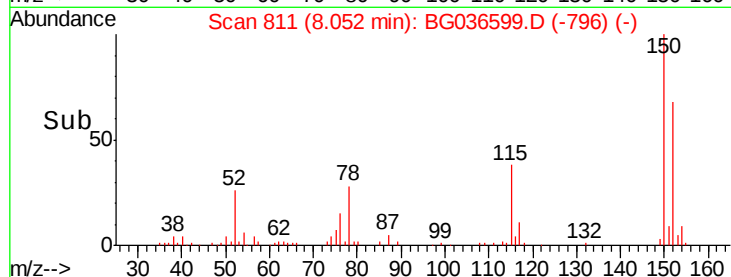
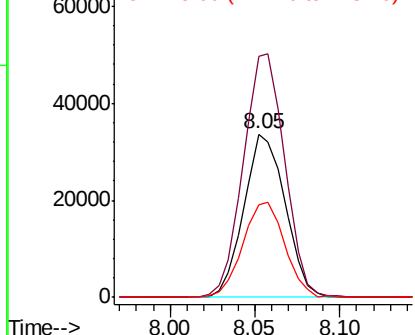
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.01 min
Lab File: BG036599.D
Acq: 7 Sep 2018 16:22

Instrument :
BNA_G
ClientSampleId :
090418-SIDI-E-D-M

Tgt Ion:152 Resp: 57348
Ion Ratio Lower Upper
152 100
150 147.4 119.5 179.3
115 56.6 44.5 66.7



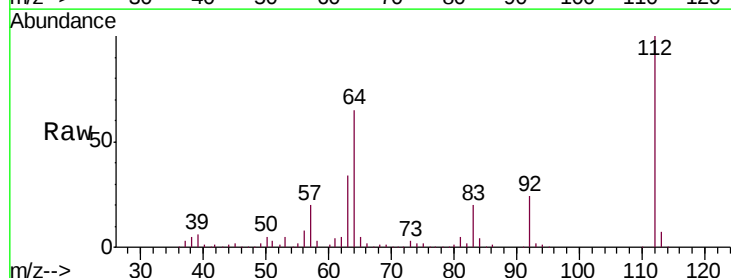
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



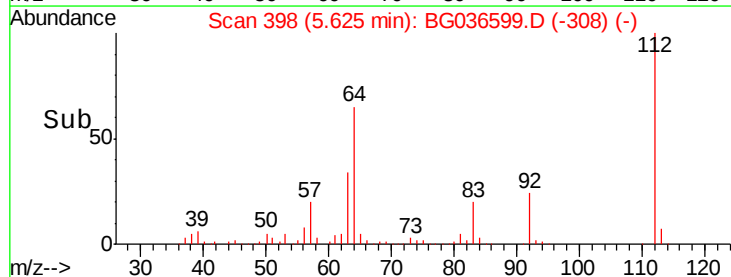
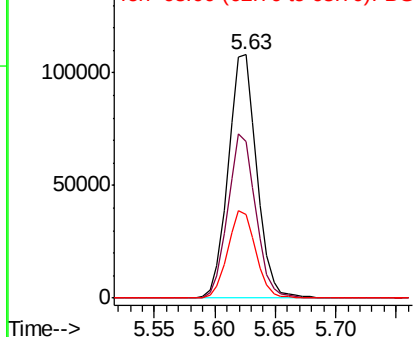
#5

2-Fluorophenol
Concen: 49.131 ng
RT: 5.63 min Scan# 398
Delta R.T. 0.00 min
Lab File: BG036599.D
Acq: 7 Sep 2018 16:22

Tgt Ion:112 Resp: 177621
Ion Ratio Lower Upper
112 100
64 64.5 57.2 85.8
63 34.4 30.8 46.2



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: 30.585 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036599.D

Acq: 7 Sep 2018 16:22

Instrument :

BNA_G

ClientSampleId :

090418-SIDI-E-D-M

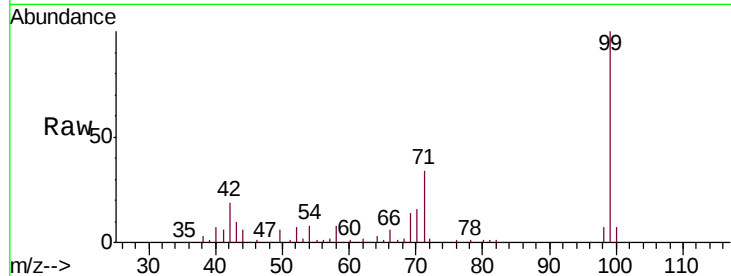
Tgt Ion: 99 Resp: 158313

Ion Ratio Lower Upper

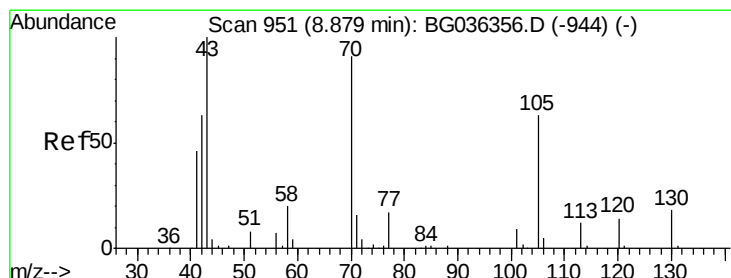
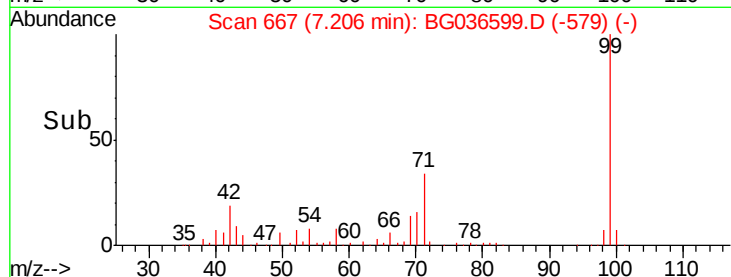
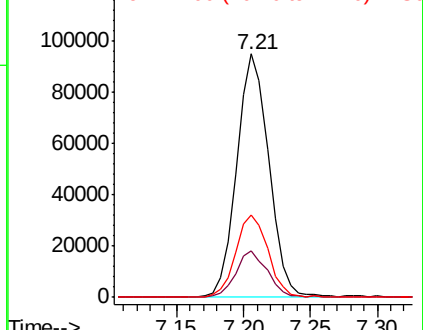
99 100

42 19.0 16.5 24.7

71 33.6 29.4 44.2



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: 17.155 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.35 min

Lab File: BG036599.D

Acq: 7 Sep 2018 16:22

Tgt Ion: 70 Resp: 66363

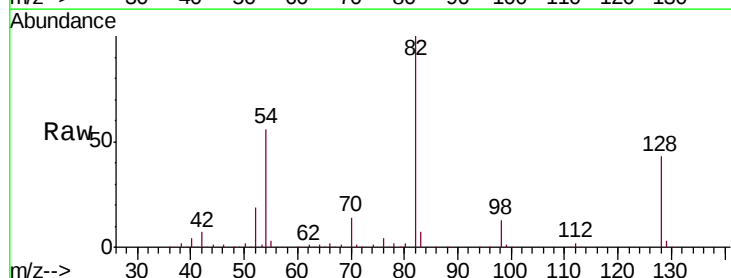
Ion Ratio Lower Upper

70 100

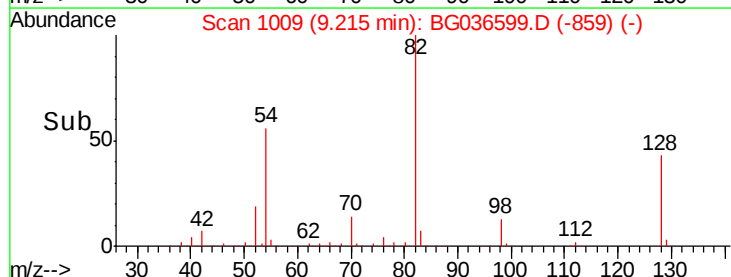
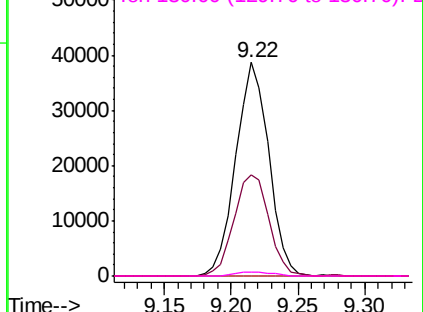
42 47.5 56.2 84.4#

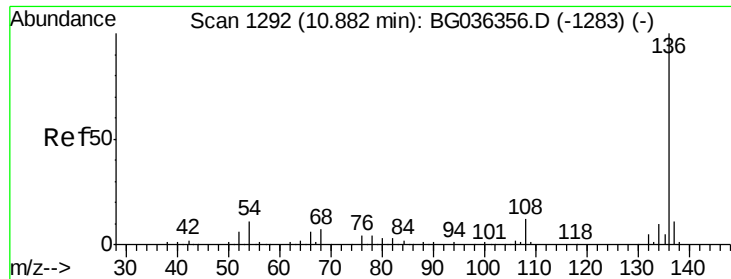
101 0.0 7.8 11.6#

130 1.6 16.2 24.2#



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

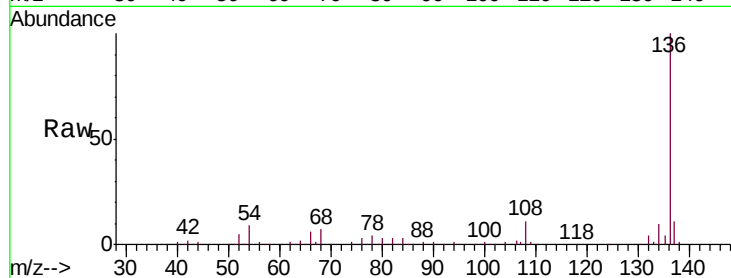




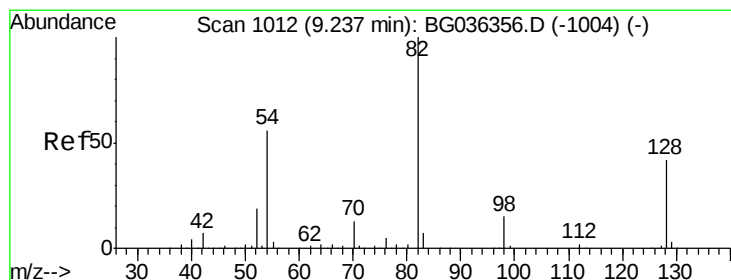
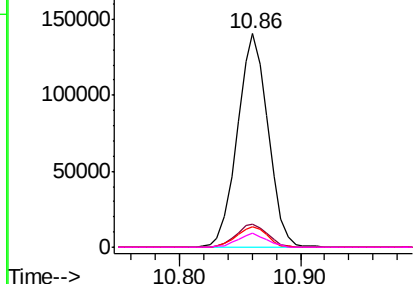
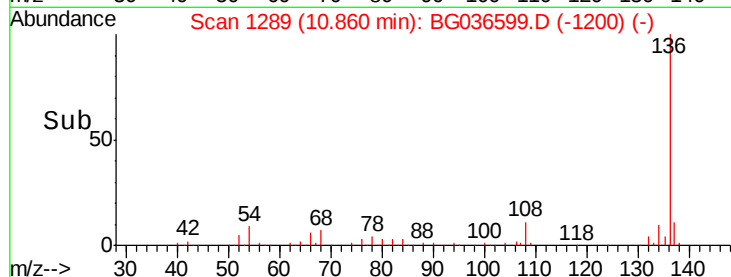
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BG036599.D
Acq: 7 Sep 2018 16:22

Instrument :
BNA_G
ClientSampleId :
090418-SIDI-E-D-M

Tgt Ion:	136	Resp:	247939
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	9.4	9.2	13.8
68	6.8	5.8	8.6

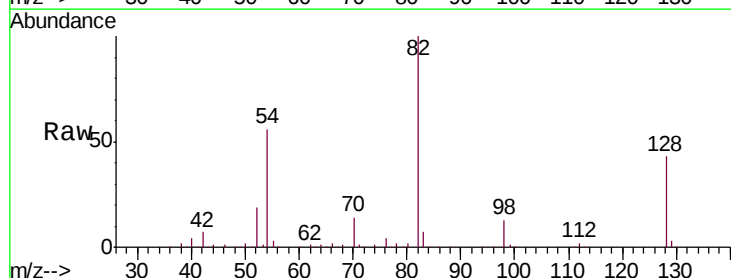


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

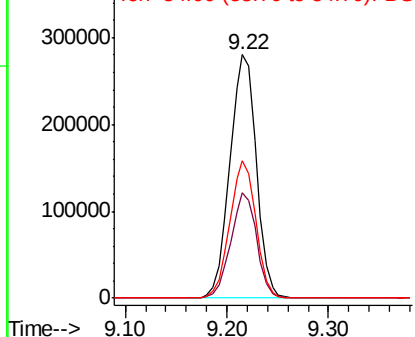
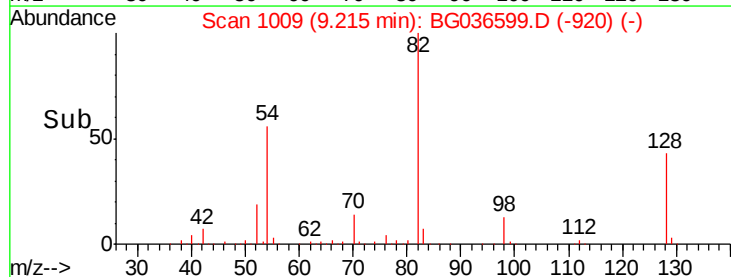


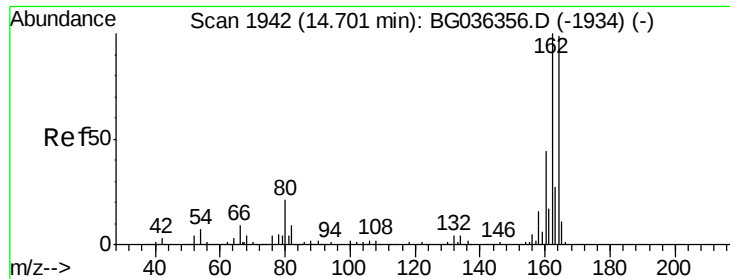
#23
Nitrobenzene-d5
Concen: 110.602 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BG036599.D
Acq: 7 Sep 2018 16:22

Tgt Ion:	82	Resp:	505422
Ion	Ratio	Lower	Upper
82	100		
128	43.4	33.3	49.9
54	56.2	45.1	67.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1939

Delta R.T. -0.01 min

Lab File: BG036599.D

Acq: 7 Sep 2018 16:22

Instrument :

BNA_G

ClientSampleId :

090418-SIDI-E-D-M

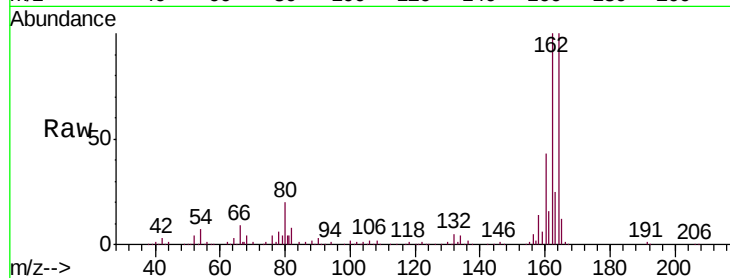
Tgt Ion:164 Resp: 170860

Ion Ratio Lower Upper

164 100

162 100.3 80.7 121.1

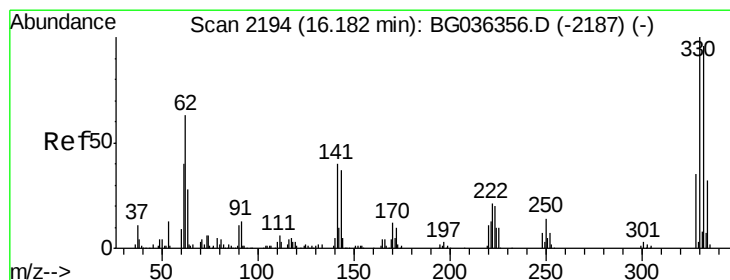
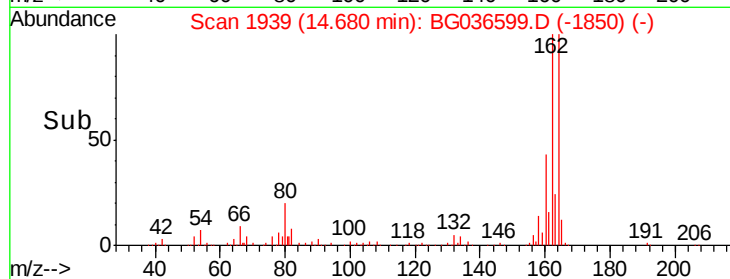
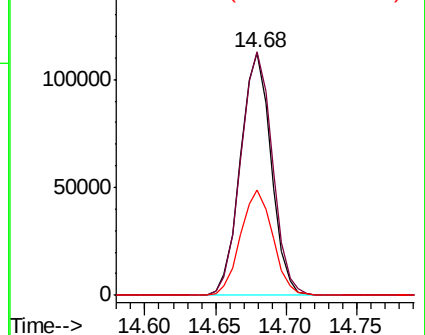
160 43.5 35.3 52.9



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: 112.955 ng

RT: 16.17 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BG036599.D

Acq: 7 Sep 2018 16:22

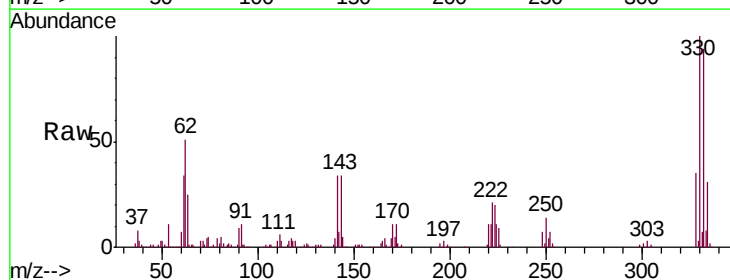
Tgt Ion:330 Resp: 230286

Ion Ratio Lower Upper

330 100

332 93.7 75.4 113.2

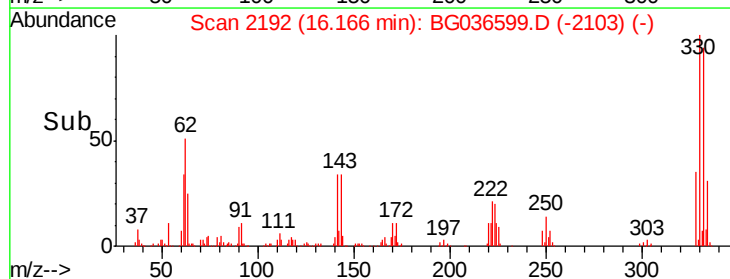
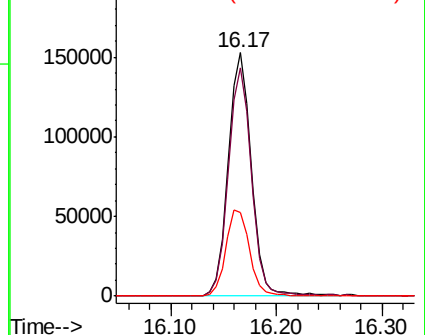
141 36.5 30.7 46.1



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

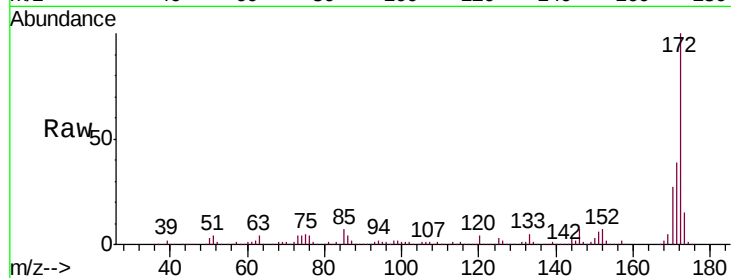




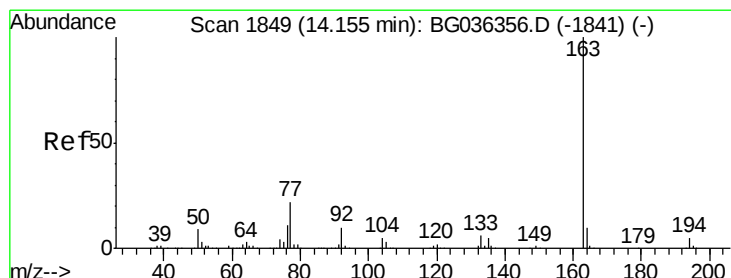
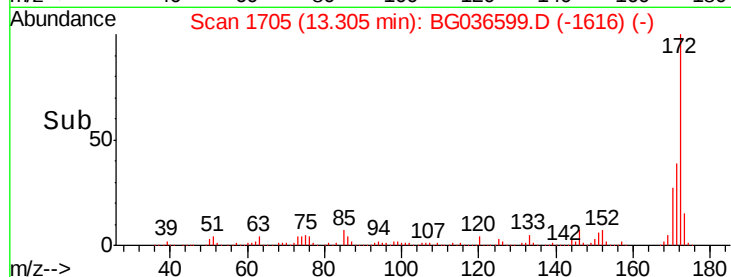
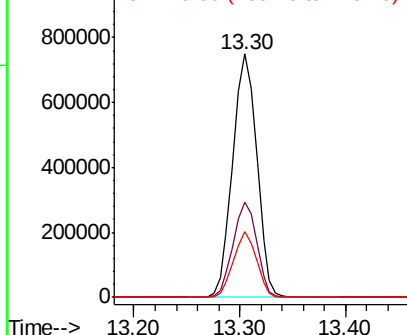
#44
2-Fluorobiphenyl
Concen: 99.178 ng
RT: 13.30 min Scan# 1705
Delta R.T. -0.01 min
Lab File: BG036599.D
Acq: 7 Sep 2018 16:22

Instrument :
BNA_G
ClientSampleId :
090418-SIDI-E-D-M

Tgt Ion:172 Resp: 1186816
Ion Ratio Lower Upper
172 100
171 38.9 31.3 46.9
170 26.7 21.0 31.6

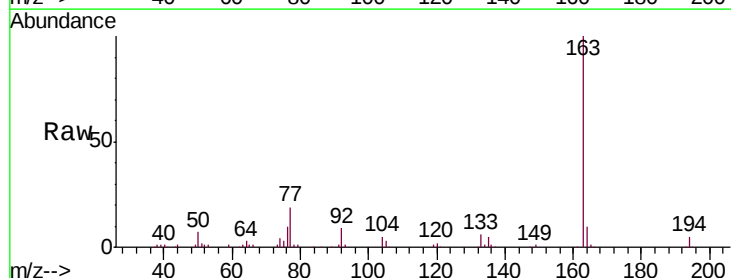


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

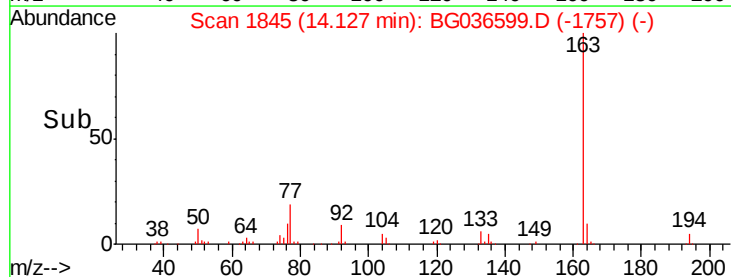
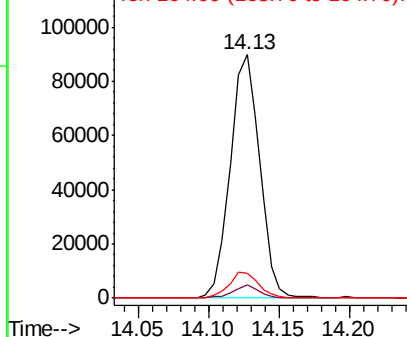


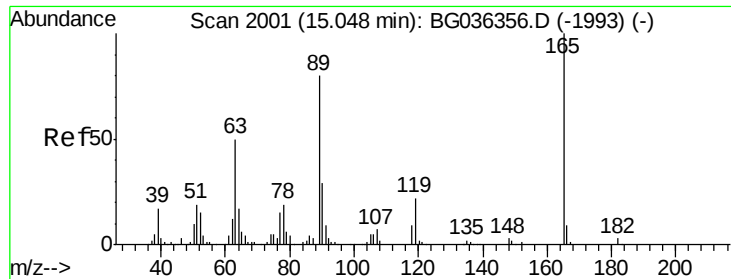
#49
Dimethylphthalate
Concen: 9.371 ng
RT: 14.13 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BG036599.D
Acq: 7 Sep 2018 16:22

Tgt Ion:163 Resp: 130739
Ion Ratio Lower Upper
163 100
194 5.3 4.0 6.0
164 10.4 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

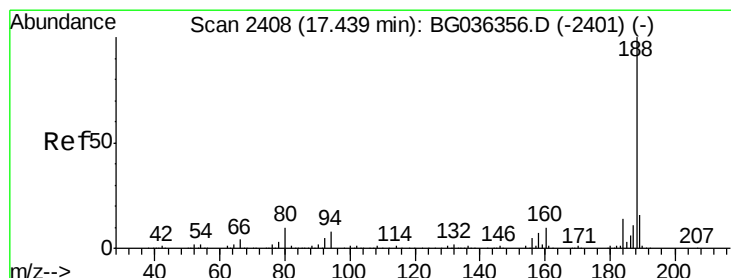
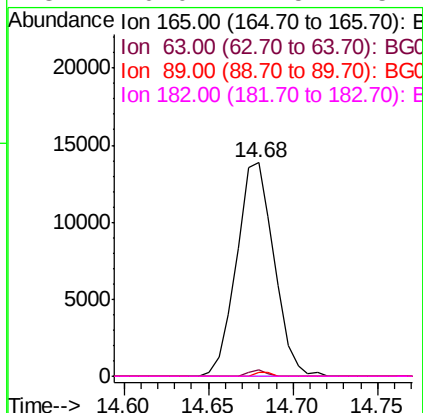
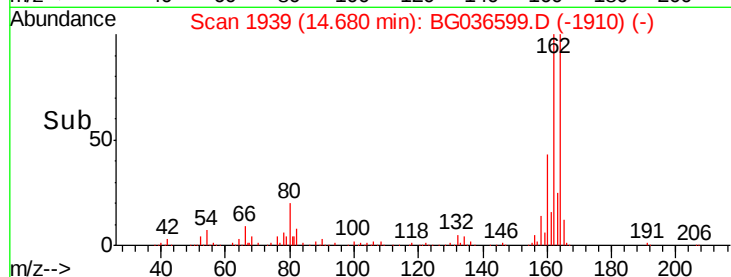
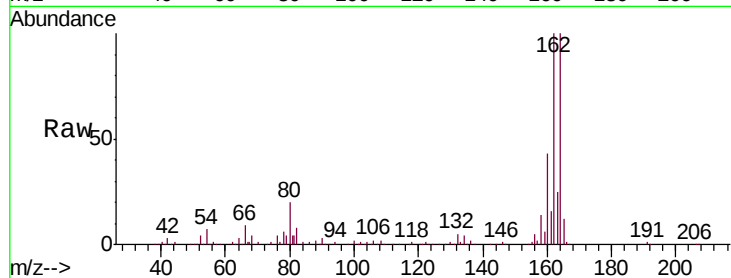




#56
 2,4-Dinitrotoluene
 Concen: 5.717 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. -0.36 min
 Lab File: BG036599.D
 Acq: 7 Sep 2018 16:22

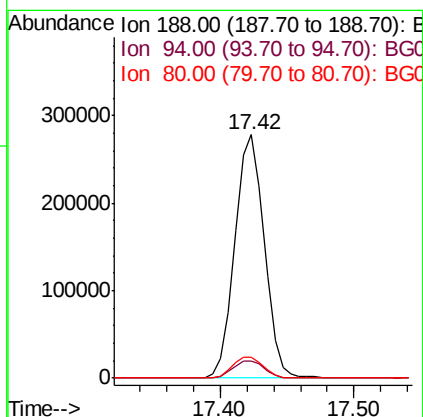
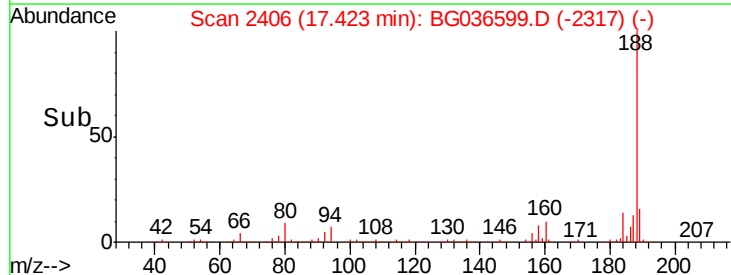
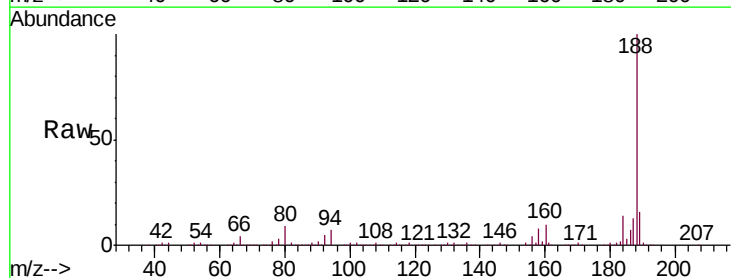
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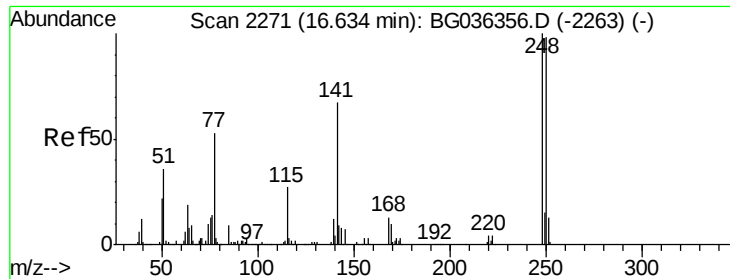
Tgt Ion:	165	Resp:	21392
Ion	Ratio	Lower	Upper
165	100		
63	2.8	40.1	60.1#
89	1.6	63.7	95.5#
182	0.0	2.5	3.7#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2406
 Delta R.T. -0.01 min
 Lab File: BG036599.D
 Acq: 7 Sep 2018 16:22

Tgt Ion:	188	Resp:	426504
Ion	Ratio	Lower	Upper
188	100		
94	7.1	6.7	10.1
80	8.6	8.1	12.1





#66

4-Bromophenyl-phenylether

Concen: 3.193 ng

RT: 16.17 min Scan# 2192

Delta R.T. -0.45 min

Lab File: BG036599.D

Acq: 7 Sep 2018 16:22

Instrument :

BNA_G

ClientSampleId :

090418-SIDI-E-D-M

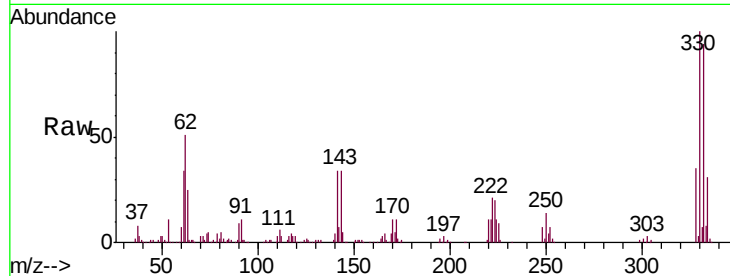
Tgt Ion:248 Resp: 15944

Ion Ratio Lower Upper

248 100

250 213.3 78.1 117.1#

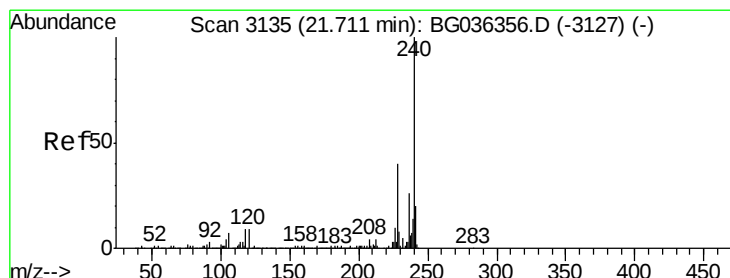
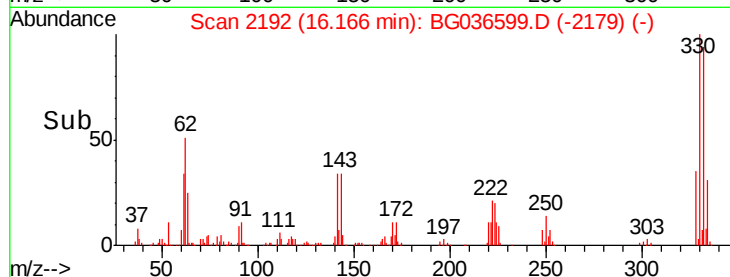
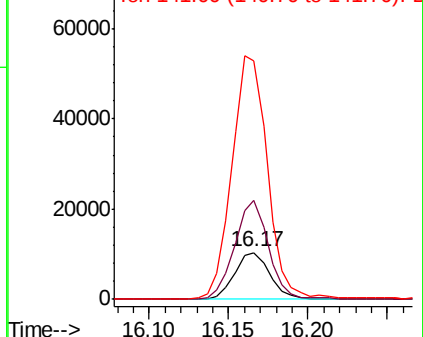
141 510.0 53.7 80.5#



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: 21.69 min Scan# 3132

Delta R.T. -0.01 min

Lab File: BG036599.D

Acq: 7 Sep 2018 16:22

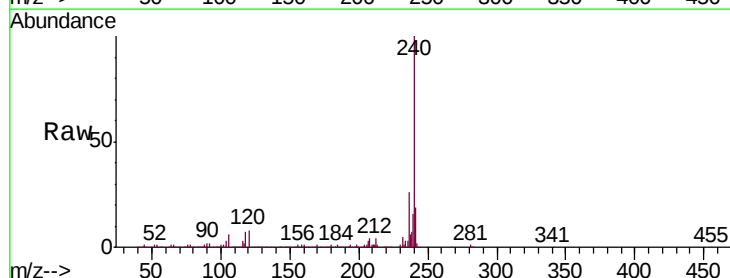
Tgt Ion:240 Resp: 437345

Ion Ratio Lower Upper

240 100

120 8.2 6.9 10.3

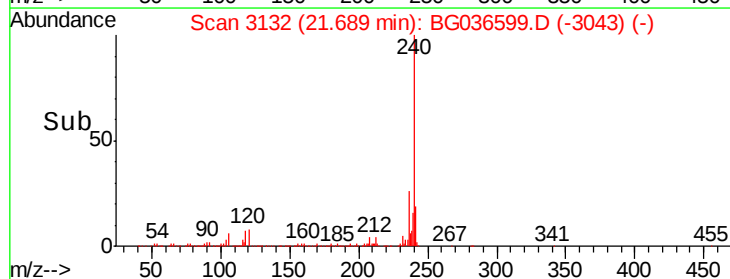
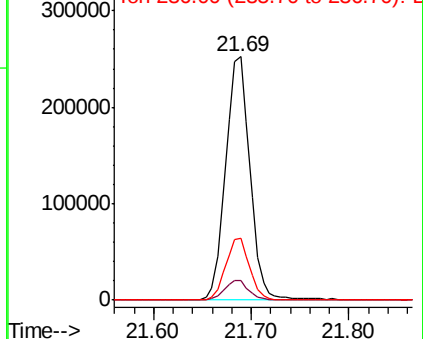
236 25.6 21.2 31.8

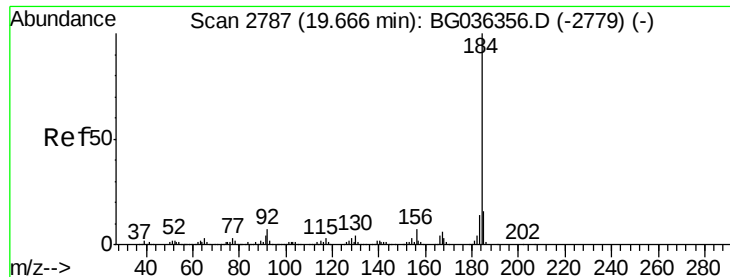


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.190 ng

RT: 20.03 min Scan# 2850

Delta R.T. 0.38 min

Lab File: BG036599.D

Acq: 7 Sep 2018 16:22

Instrument :

BNA_G

ClientSampleId :

090418-SIDI-E-D-M

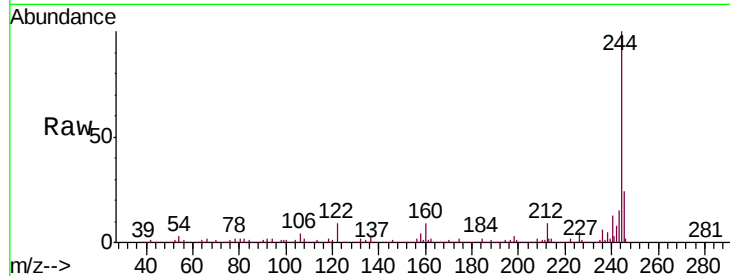
Tgt Ion:184 Resp: 30554

Ion Ratio Lower Upper

184 100

185 14.6 12.6 18.8

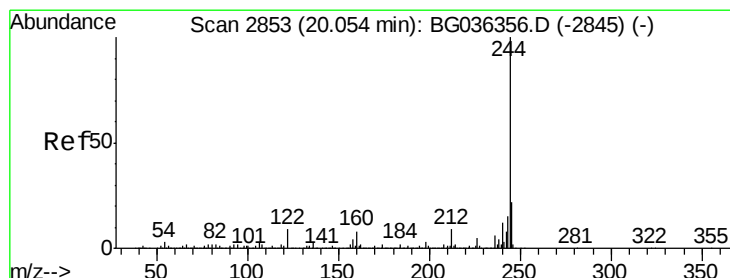
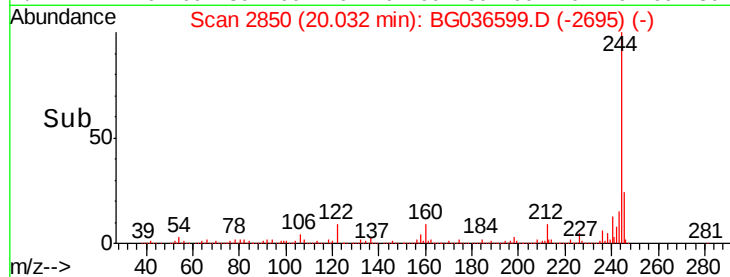
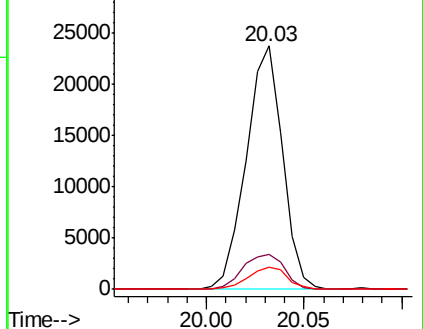
183 8.8 10.9 16.3#



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: 92.061 ng

RT: 20.03 min Scan# 2850

Delta R.T. 0.00 min

Lab File: BG036599.D

Acq: 7 Sep 2018 16:22

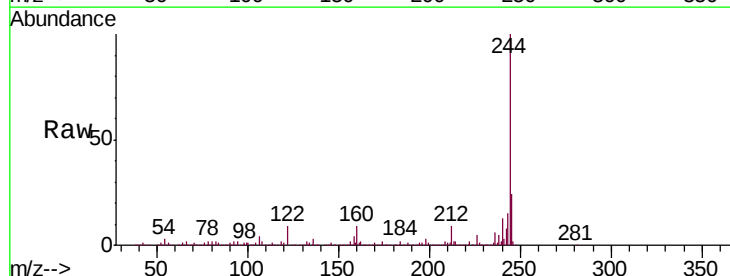
Tgt Ion:244 Resp: 1722578

Ion Ratio Lower Upper

244 100

212 9.4 7.0 10.6

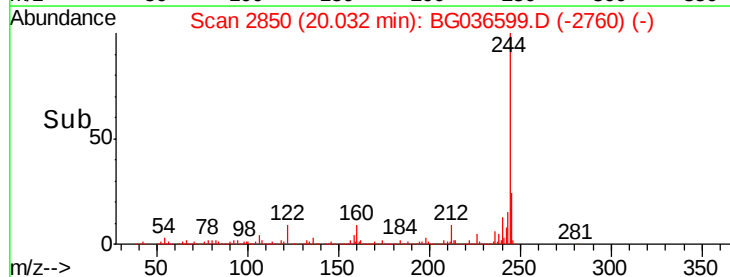
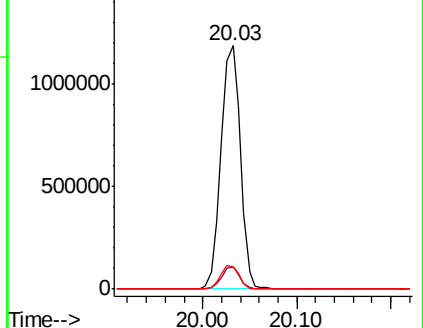
122 9.1 7.1 10.7

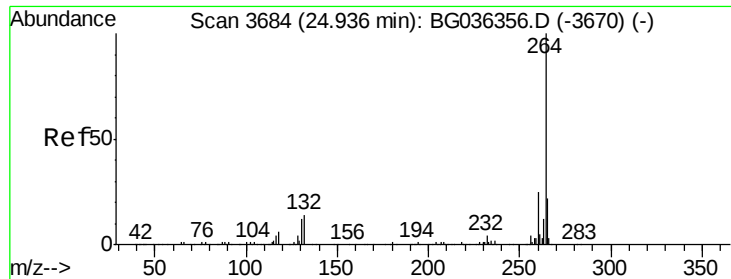


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.90 min Scan# 3678
Delta R.T. -0.01 min
Lab File: BG036599.D
Acq: 7 Sep 2018 16:22

Instrument :
BNA_G
ClientSampleId :
090418-SIDI-E-D-M

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.6	29.4
265	20.5	17.4	26.0

