

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG092518\
 Data File : BG036966.D
 Acq On : 26 Sep 2018 2:43
 Operator : JU/SJ
 Sample : J4779-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-02-092418-A

Quant Time: Sep 26 07:25:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 24 10:41:23 2018
 Response via : Initial Calibration

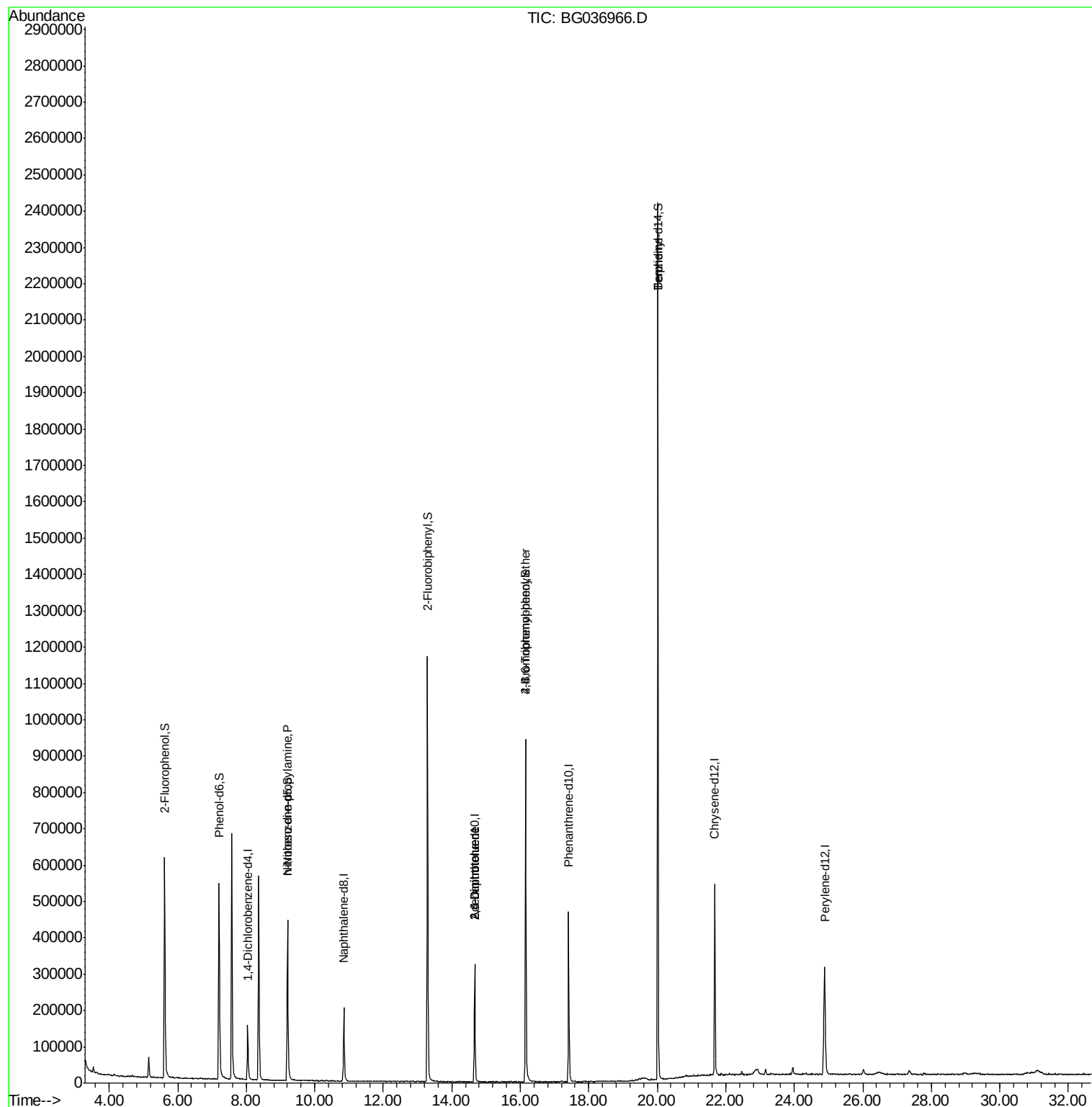
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	49120	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	194848	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	121021	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	323916	20.00	ng	0.00
75) Chrysene-d12	21.68	240	341891	20.00	ng	-0.01
86) Perylene-d12	24.89	264	332035	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	289798	113.15	ng	0.00
7) Phenol-d6	7.21	99	365460	92.22	ng	0.00
23) Nitrobenzene-d5	9.20	82	302890	83.24	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	191849	132.50	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	674792	83.05	ng	0.00
78) Terphenyl-d14	20.02	244	1193532	91.79	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	41367	12.549	ng	# 67
50) 2,6-Dinitrotoluene	14.66	165	15764	7.417	ng	# 22
56) 2,4-Dinitrotoluene	14.66	165	15764	5.315	ng	# 21
66) 4-Bromophenyl-phenylether	16.16	248	12402	3.366	ng	# 1
76) Benzidine	20.02	184	20794	2.012	ng	# 95

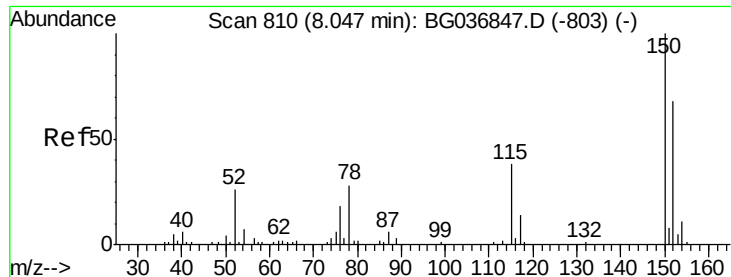
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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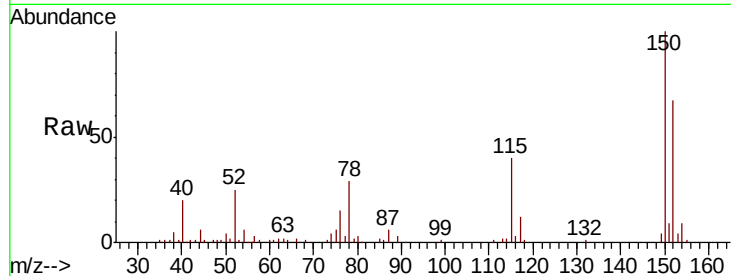




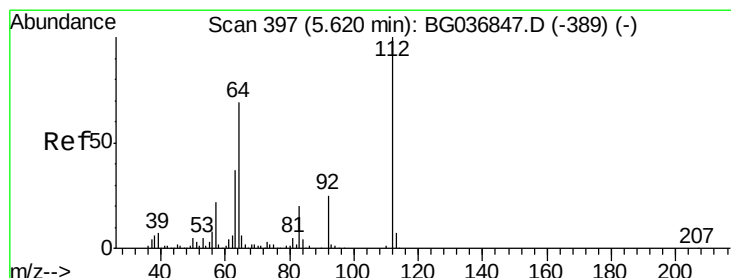
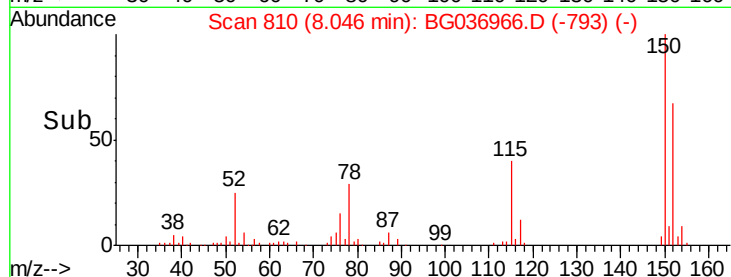
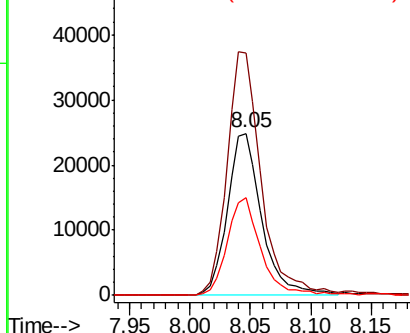
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BG036966.D
 Acq: 26 Sep 2018 2:43

Instrument :
 BNA_G
 ClientSampleId :
 SU-02-092418-A

Tgt Ion:152 Resp: 49120
 Ion Ratio Lower Upper
 152 100
 150 149.0 119.5 179.3
 115 60.2 44.5 66.7

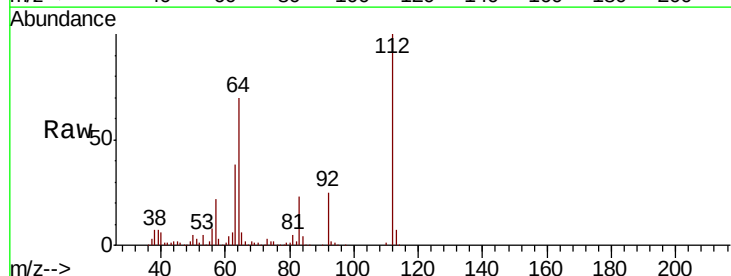


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

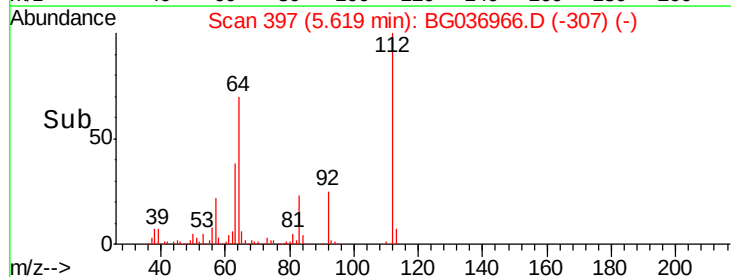
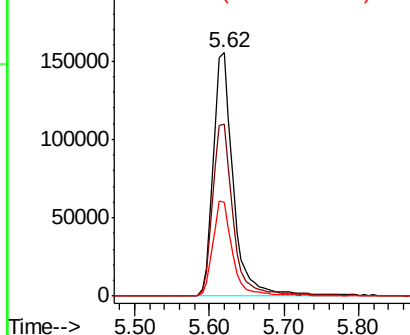


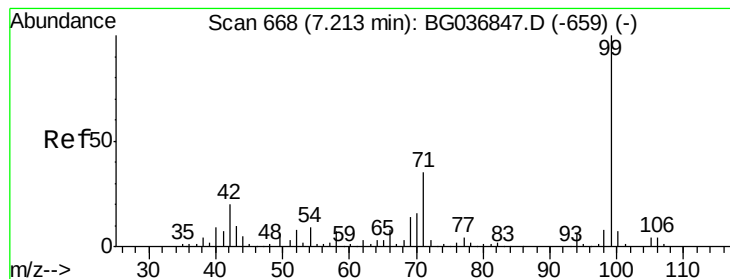
#5
 2-Fluorophenol
 Concen: 113.145 ng
 RT: 5.62 min Scan# 397
 Delta R.T. -0.00 min
 Lab File: BG036966.D
 Acq: 26 Sep 2018 2:43

Tgt Ion:112 Resp: 289798
 Ion Ratio Lower Upper
 112 100
 64 70.4 57.2 85.8
 63 38.4 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: 92.224 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036966.D

Acq: 26 Sep 2018 2:43

Instrument :

BNA_G

ClientSampleId :

SU-02-092418-A

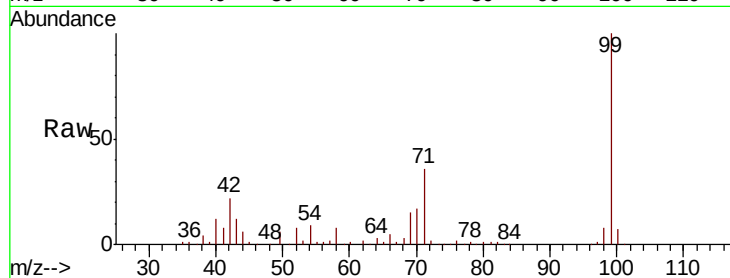
Tgt Ion: 99 Resp: 365460

Ion Ratio Lower Upper

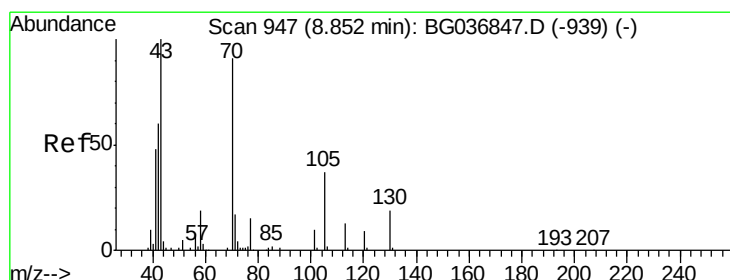
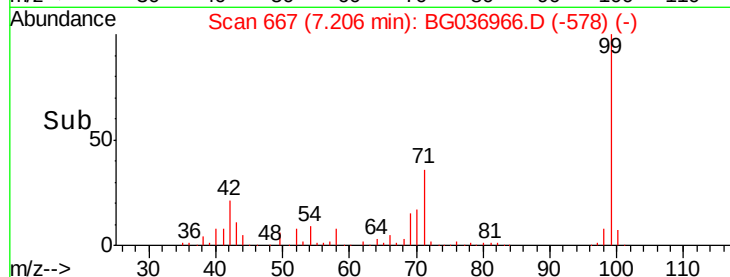
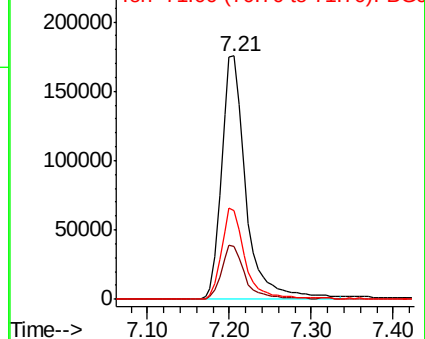
99 100

42 21.5 16.5 24.7

71 36.3 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: 12.549 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.36 min

Lab File: BG036966.D

Acq: 26 Sep 2018 2:43

Tgt Ion: 70 Resp: 41367

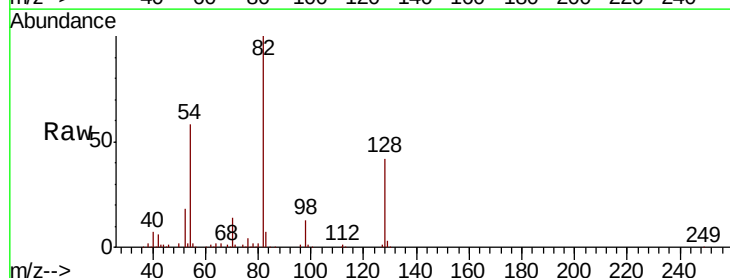
Ion Ratio Lower Upper

70 100

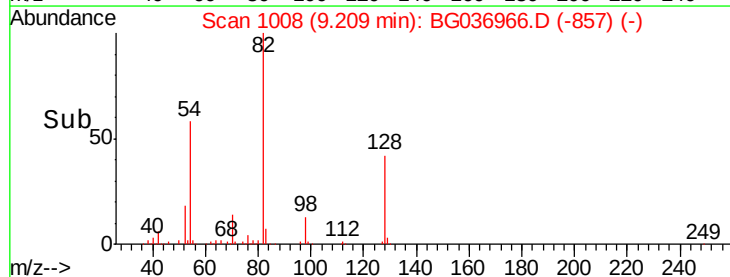
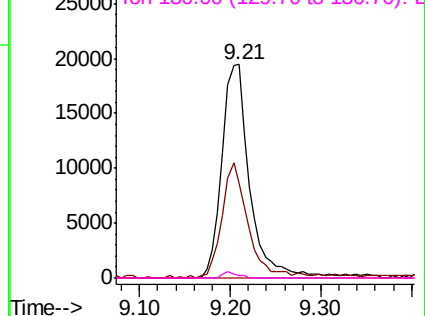
42 44.6 56.2 84.4#

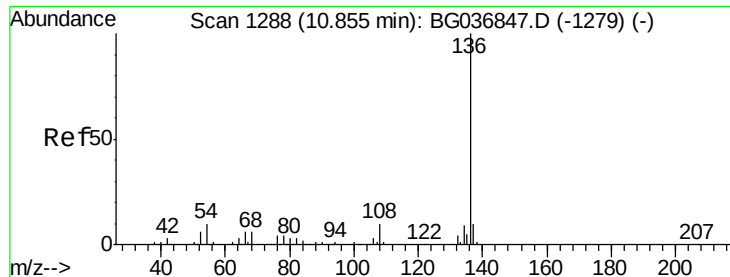
101 0.0 7.8 11.6#

130 0.9 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

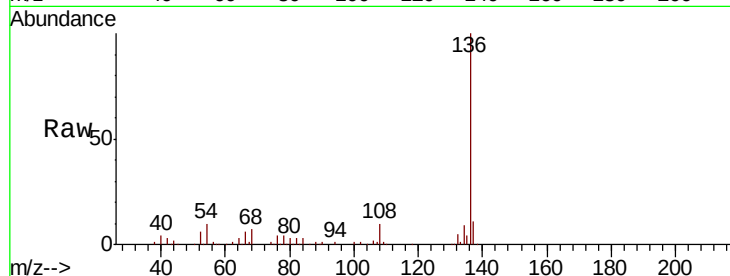




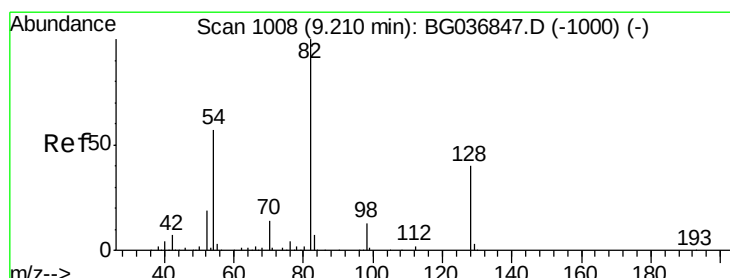
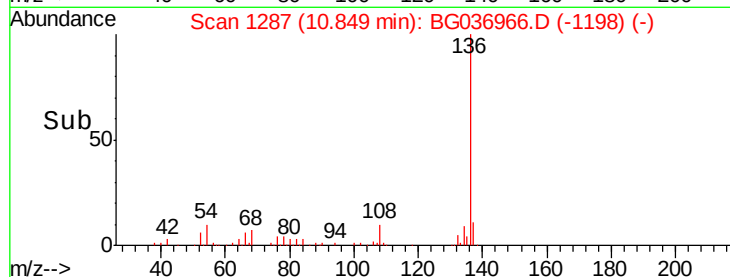
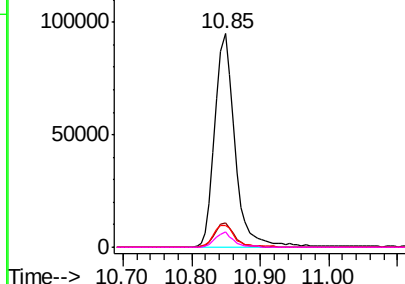
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BG036966.D
Acq: 26 Sep 2018 2:43

Instrument :
BNA_G
ClientSampleId :
SU-02-092418-A

Tgt Ion:	136	Resp:	194848
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	10.4	9.2	13.8
68	7.0	5.8	8.6

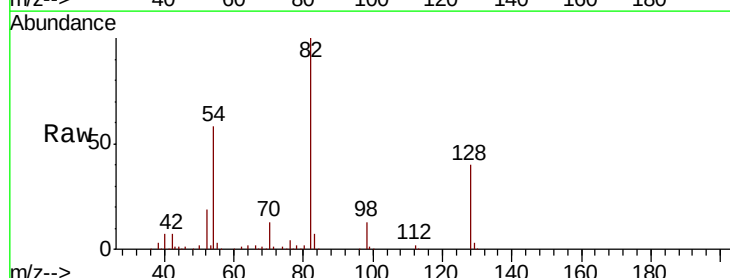


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

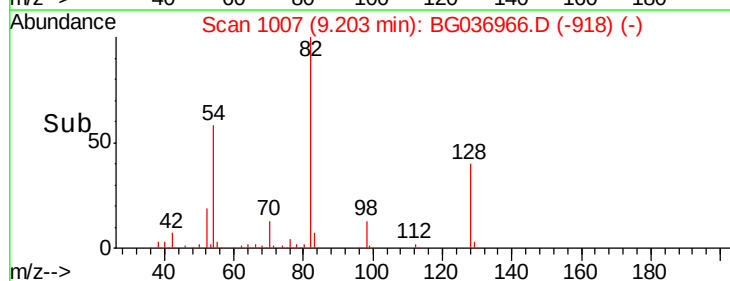
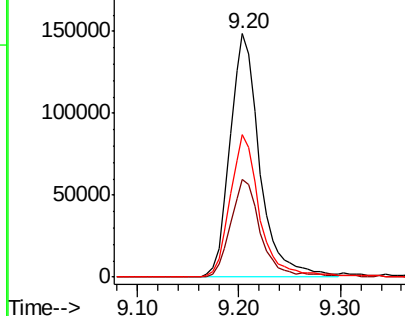


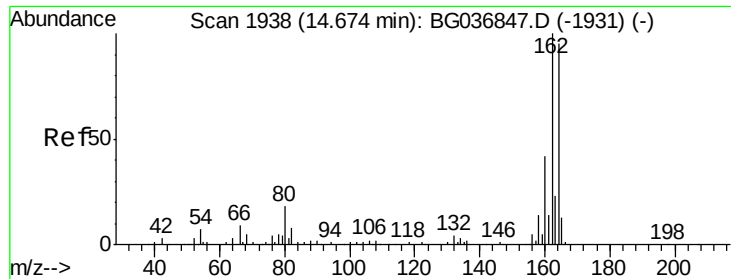
#23
Nitrobenzene-d5
Concen: 83.245 ng
RT: 9.20 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BG036966.D
Acq: 26 Sep 2018 2:43

Tgt Ion:	82	Resp:	302890
Ion	Ratio	Lower	Upper
82	100		
128	40.0	33.3	49.9
54	58.3	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: 14.67 min Scan# 1937

Delta R.T. -0.01 min

Lab File: BG036966.D

Acq: 26 Sep 2018 2:43

Instrument :

BNA_G

ClientSampleId :

SU-02-092418-A

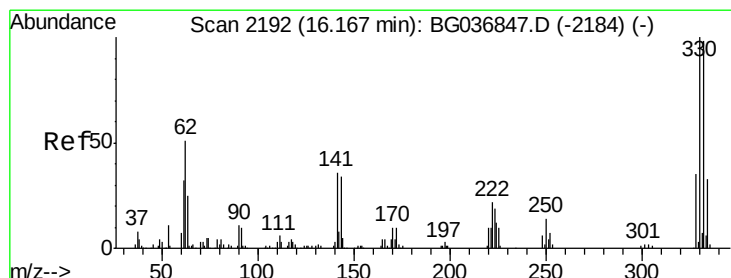
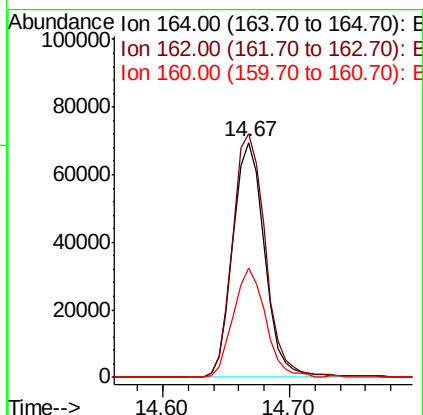
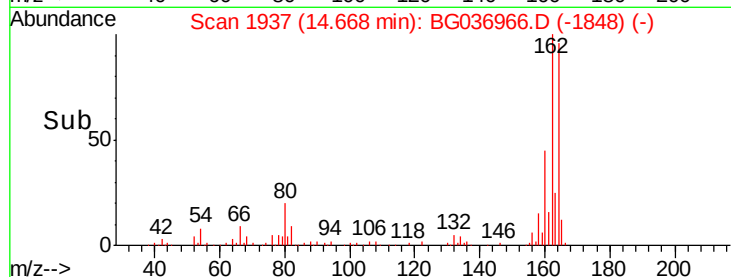
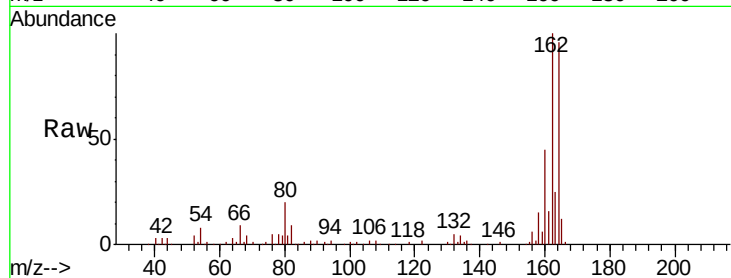
Tgt Ion:164 Resp: 121021

Ion Ratio Lower Upper

164 100

162 103.6 80.7 121.1

160 46.5 35.3 52.9



#41

2,4,6-Tribromophenol

Concen: 132.498 ng

RT: 16.15 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG036966.D

Acq: 26 Sep 2018 2:43

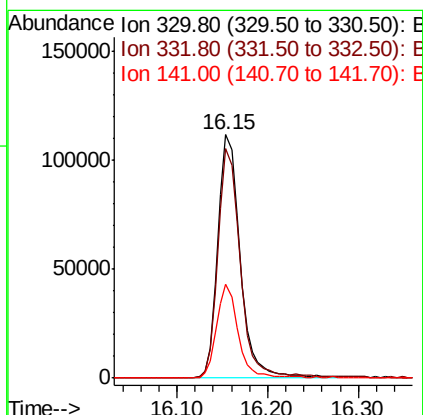
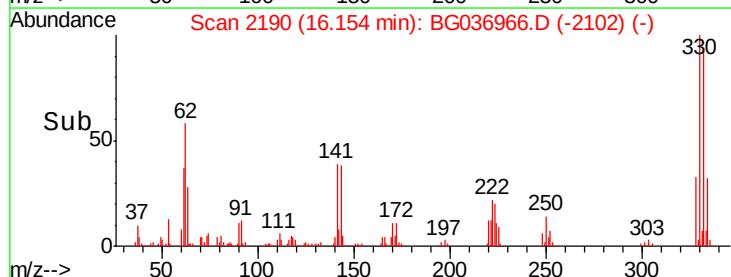
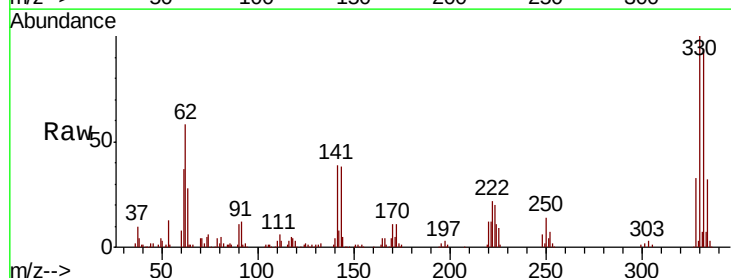
Tgt Ion:330 Resp: 191849

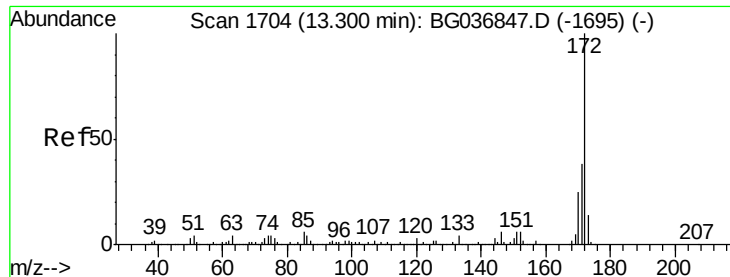
Ion Ratio Lower Upper

330 100

332 94.1 75.4 113.2

141 37.0 30.7 46.1

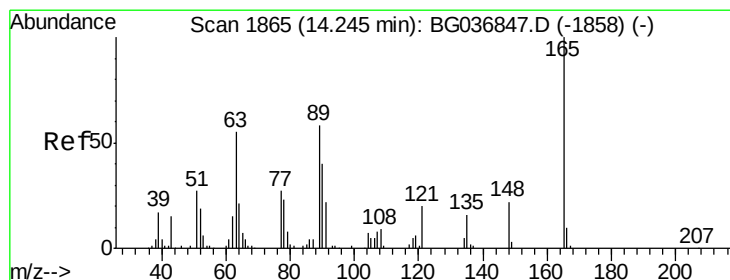
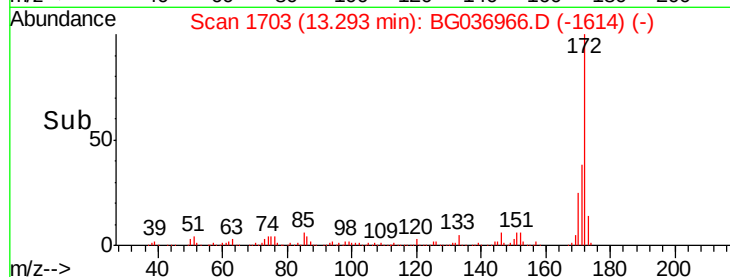
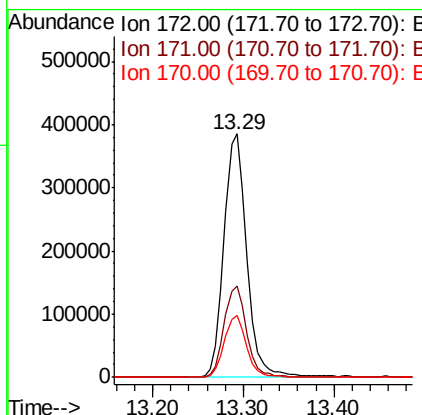
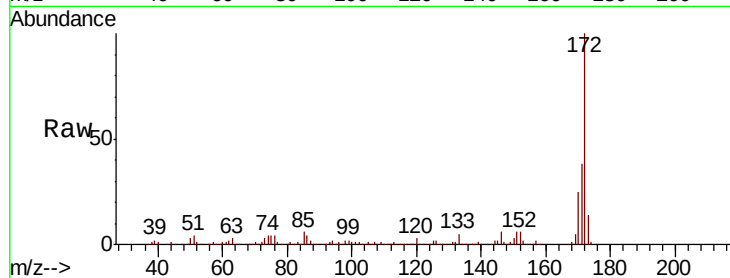




#44
 2-Fluorobiphenyl
 Concen: 83.046 ng
 RT: 13.29 min Scan# 1703
 Delta R.T. -0.01 min
 Lab File: BG036966.D
 Acq: 26 Sep 2018 2:43

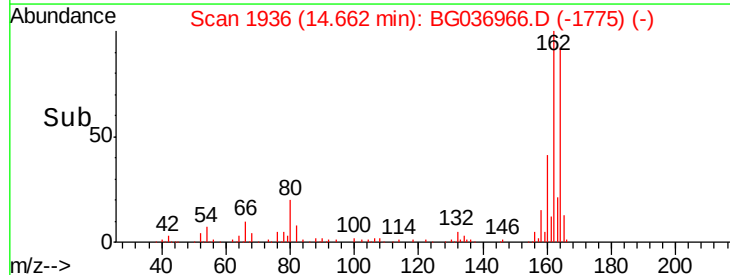
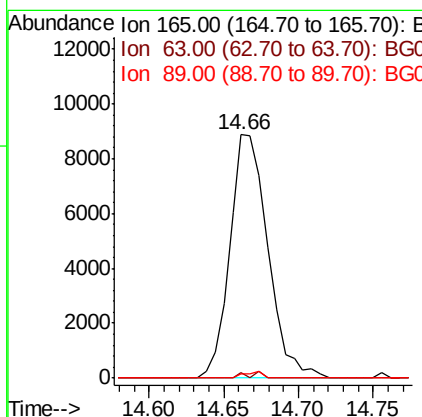
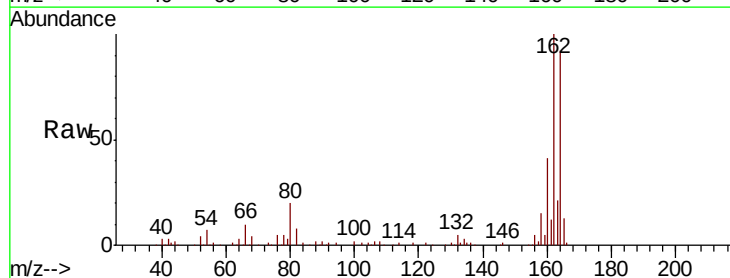
Instrument :
 BNA_G
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 SU-02-092418-A

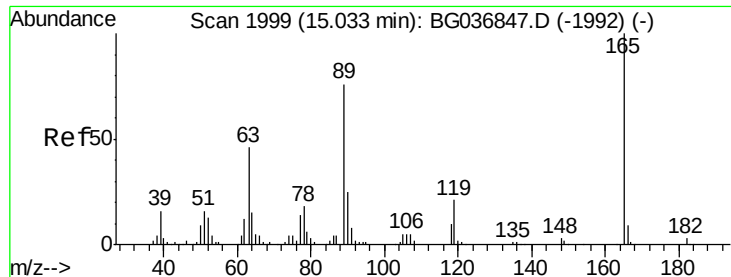
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	31.3	46.9
170	25.3	21.0	31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.417 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG036966.D
 Acq: 26 Sep 2018 2:43

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	50.1	75.1#
89	1.8	47.8	71.6#

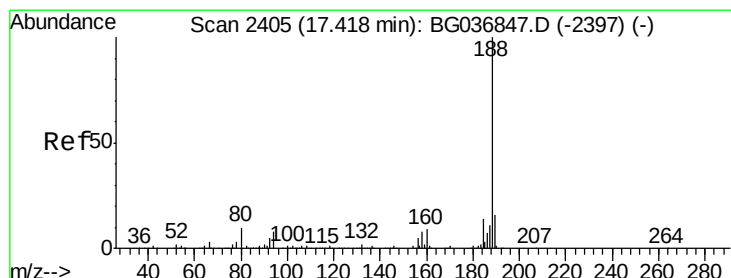
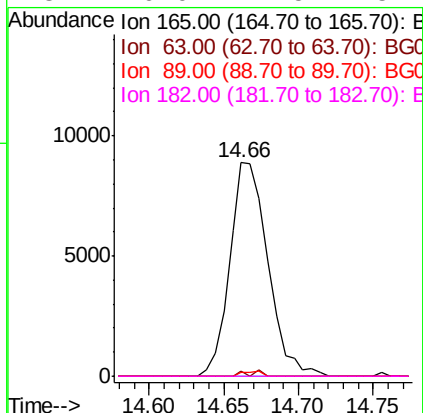
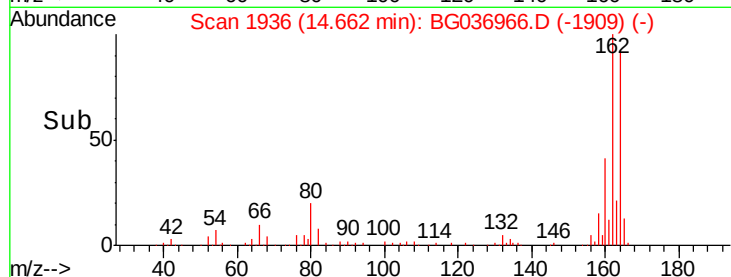
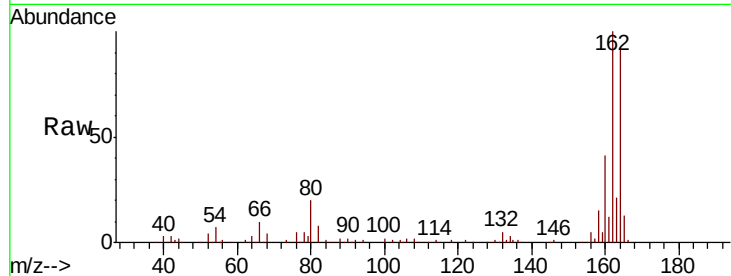




#56
2,4-Dinitrotoluene
Concen: 5.315 ng
RT: 14.66 min Scan# 1936
Delta R.T. -0.37 min
Lab File: BG036966.D
Acq: 26 Sep 2018 2:43

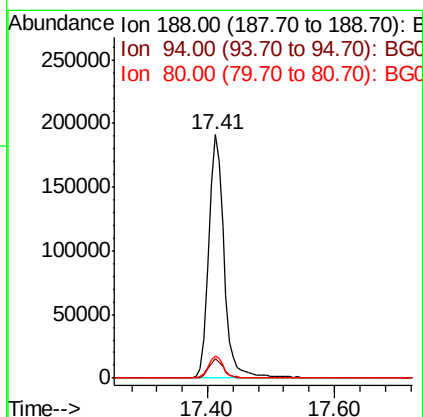
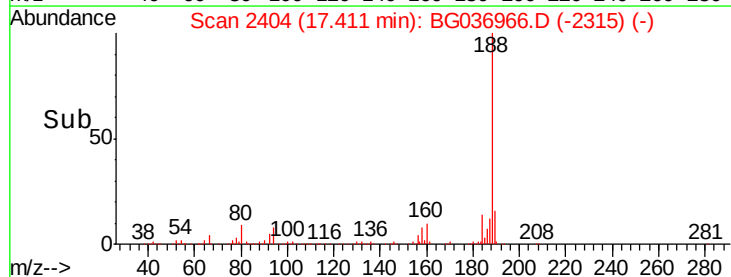
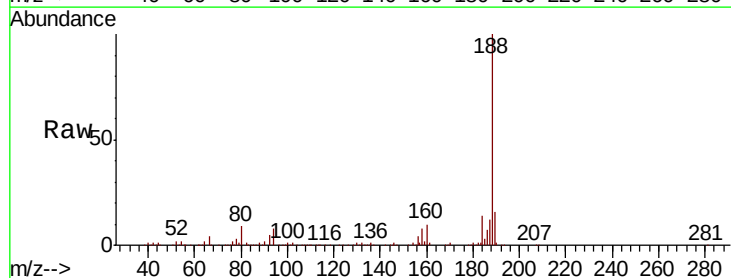
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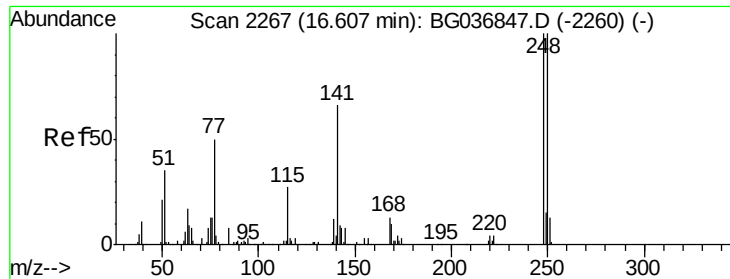
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	40.1	60.1#
89	1.8	63.7	95.5#
182	0.0	2.5	3.7#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2404
Delta R.T. -0.01 min
Lab File: BG036966.D
Acq: 26 Sep 2018 2:43

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.7	10.1
80	9.0	8.1	12.1





#66

4-Bromophenyl-phenylether

Concen: 3.366 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.45 min

Lab File: BG036966.D

Acq: 26 Sep 2018 2:43

Instrument :

BNA_G

ClientSampleId :

SU-02-092418-A

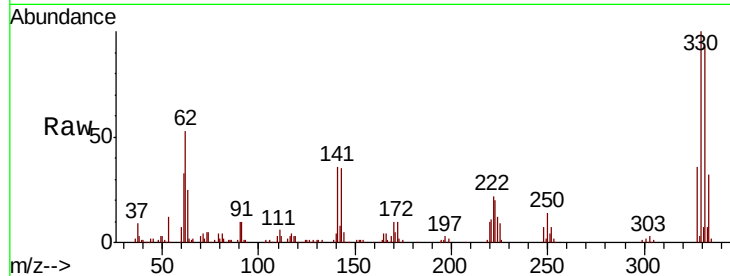
Tgt Ion:248 Resp: 12402

Ion Ratio Lower Upper

248 100

250 197.0 78.1 117.1#

141 510.9 53.7 80.5#

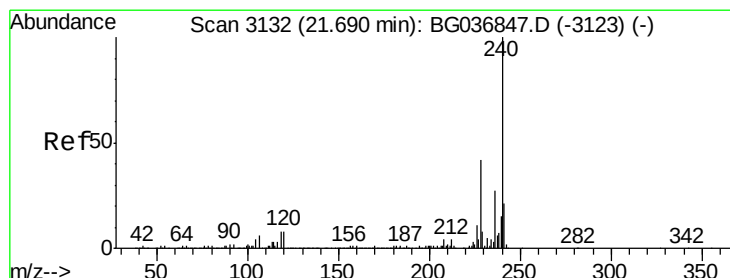
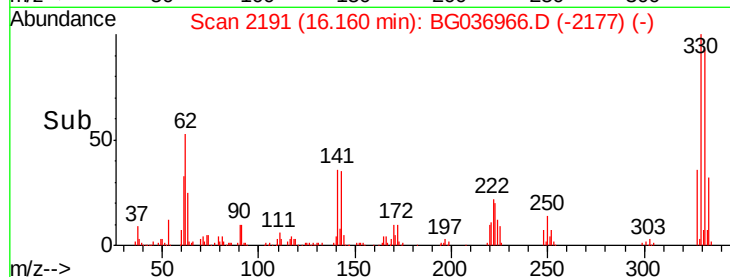
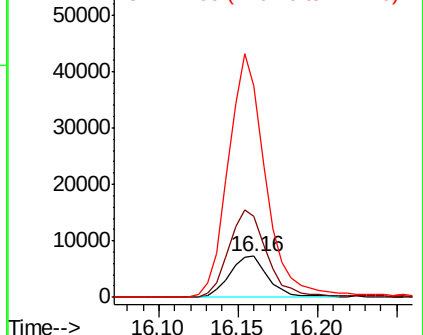


Abundance

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: 21.68 min Scan# 3130

Delta R.T. -0.01 min

Lab File: BG036966.D

Acq: 26 Sep 2018 2:43

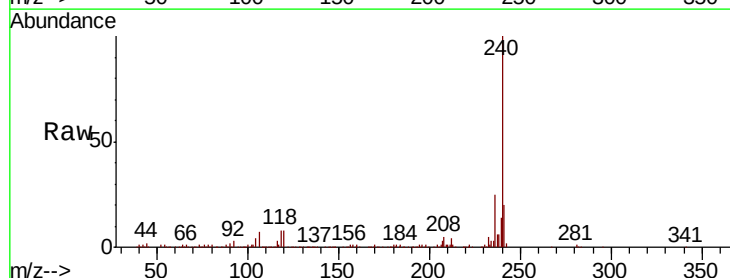
Tgt Ion:240 Resp: 341891

Ion Ratio Lower Upper

240 100

120 8.0 6.9 10.3

236 25.4 21.2 31.8

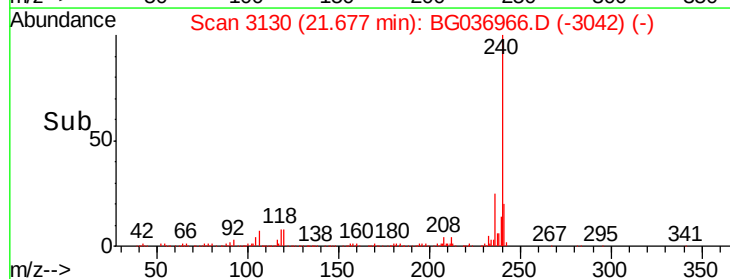
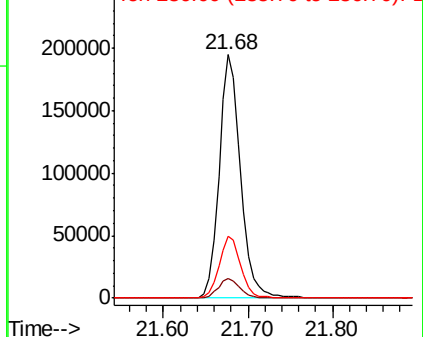


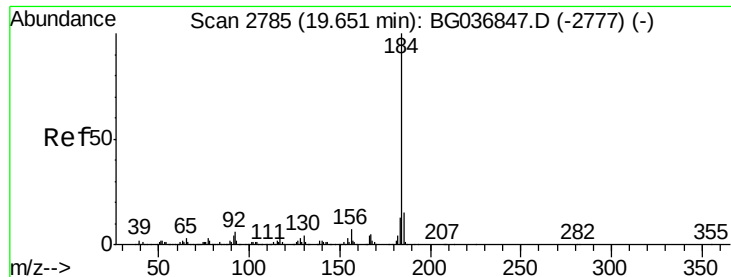
Abundance

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: 2.012 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.37 min

Lab File: BG036966.D

Acq: 26 Sep 2018 2:43

Instrument :

BNA_G

ClientSampleId :

SU-02-092418-A

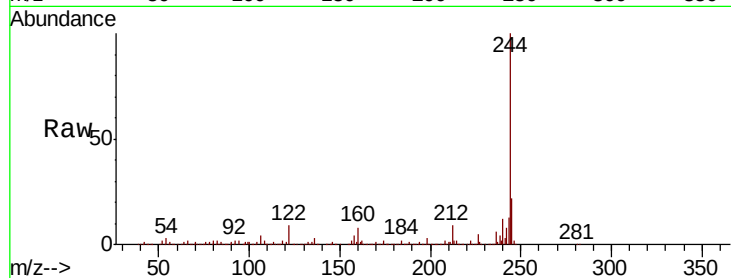
Tgt Ion:184 Resp: 20794

Ion Ratio Lower Upper

184 100

185 15.8 12.6 18.8

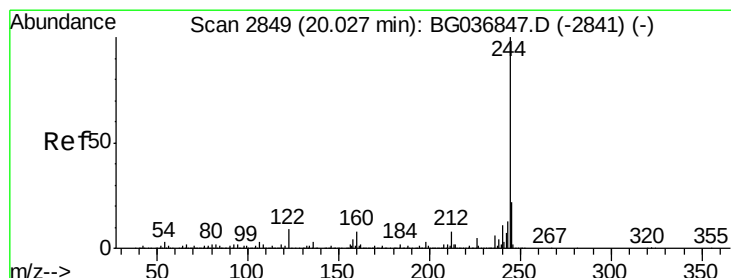
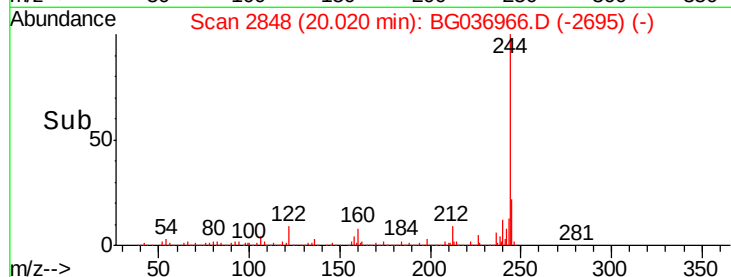
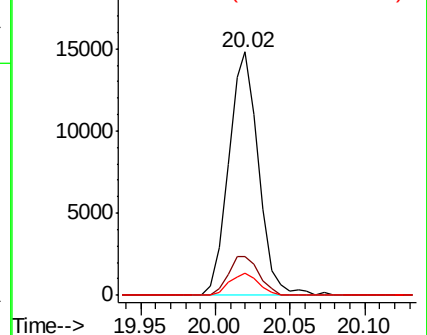
183 9.2 10.9 16.3#



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: 91.795 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG036966.D

Acq: 26 Sep 2018 2:43

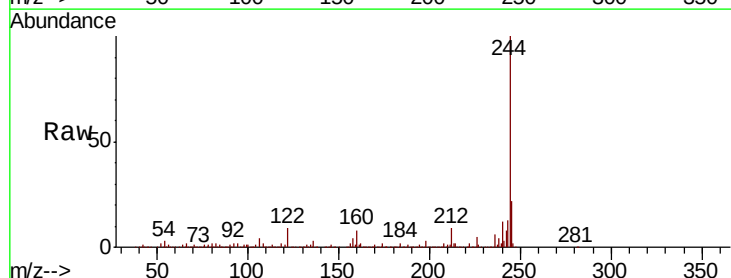
Tgt Ion:244 Resp: 1193532

Ion Ratio Lower Upper

244 100

212 8.5 7.0 10.6

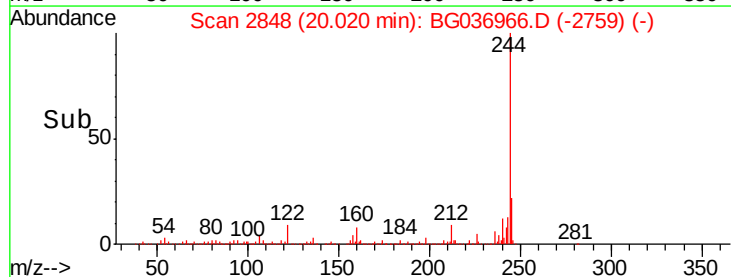
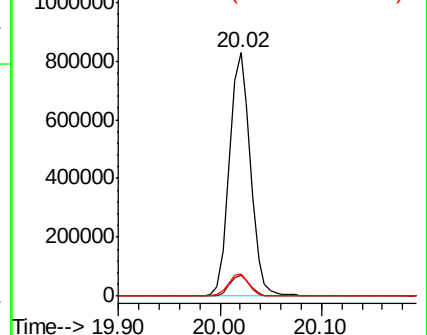
122 8.9 7.1 10.7

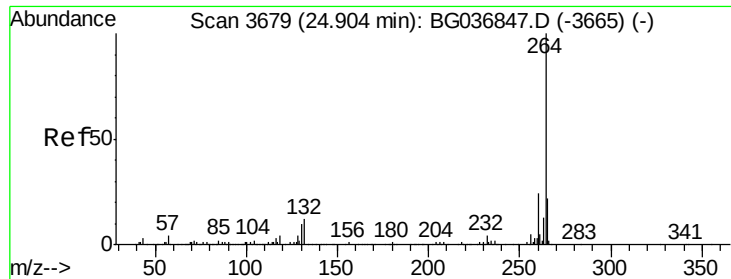


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.89 min Scan# 3676
Delta R.T. -0.02 min
Lab File: BG036966.D
Acq: 26 Sep 2018 2:43

Instrument :
BNA_G
ClientSampleId :
SU-02-092418-A

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.6	29.4
265	21.1	17.4	26.0

