

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG073118\
 Data File : BG036015.D
 Acq On : 31 Jul 2018 23:59
 Operator : JU/SJ
 Sample : J3825-20
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-073018-E

Quant Time: Aug 01 01:10:30 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

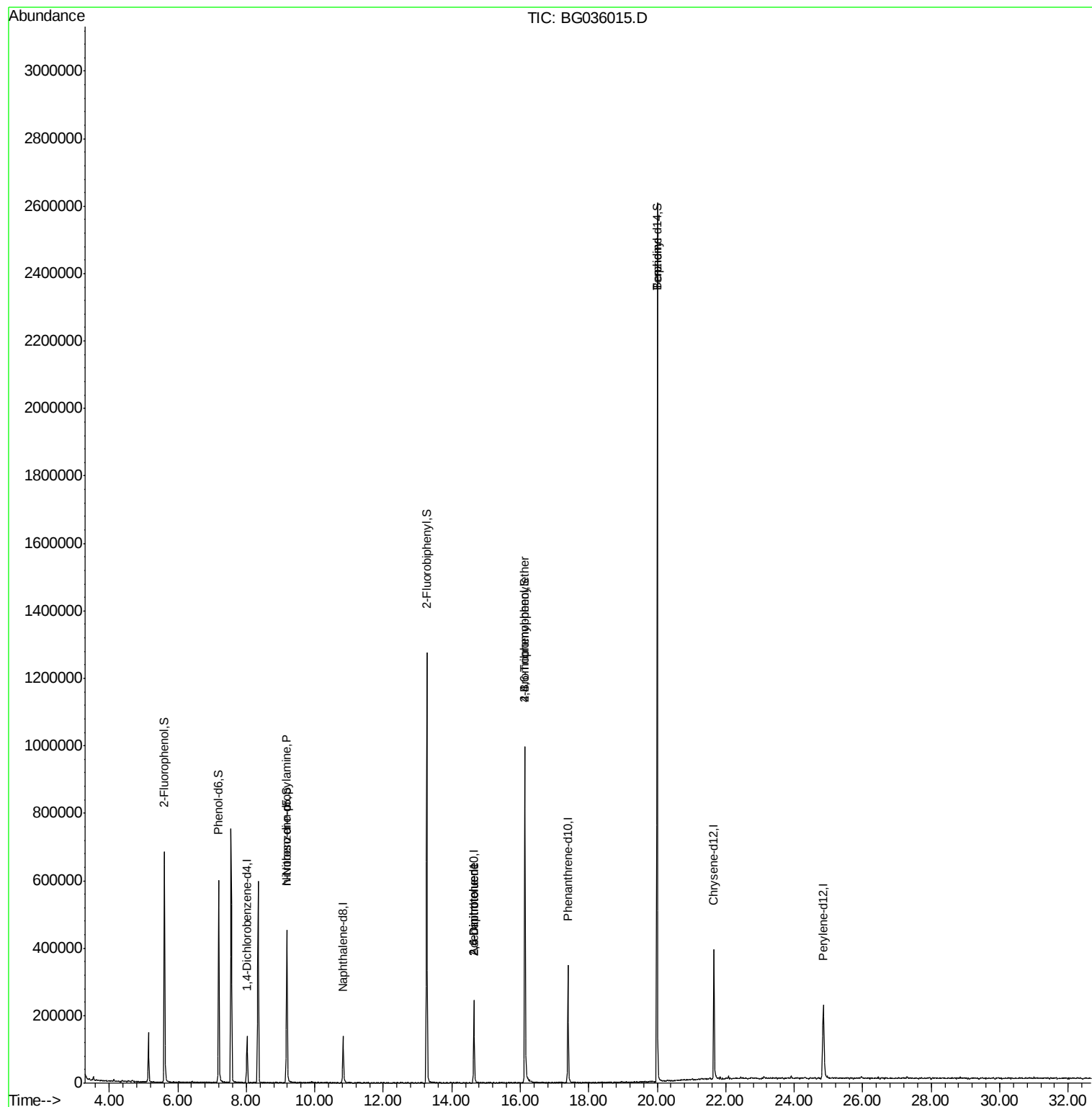
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	38760	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	135830	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	94882	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	259087	20.00	ng	0.00
75) Chrysene-d12	21.65	240	278705	20.00	ng	0.00
86) Perylene-d12	24.85	264	258695	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	302169	129.43	ng	0.00
7) Phenol-d6	7.19	99	378255	108.59	ng	0.00
23) Nitrobenzene-d5	9.18	82	315625	97.07	ng	0.00
41) 2,4,6-Tribromophenol	16.13	330	195040	155.96	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	718967	101.52	ng	0.00
78) Terphenyl-d14	20.00	244	1285112	101.64	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	44277	15.095	ng	# 65
50) 2,6-Dinitrotoluene	14.65	165	13521	7.987	ng	# 20
56) 2,4-Dinitrotoluene	14.65	165	13521	5.567	ng	# 18
66) 4-Bromophenyl-phenylether	16.13	248	16555	5.508	ng	# 1
76) Benzidine	20.00	184	21808	2.976	ng	# 91

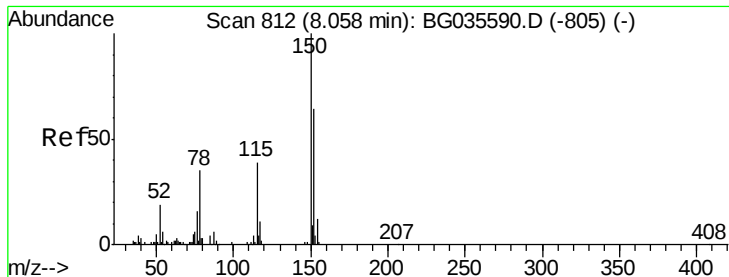
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 31 12:30:06 2018
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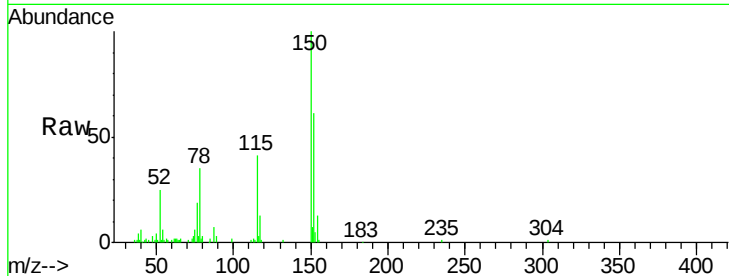


#1

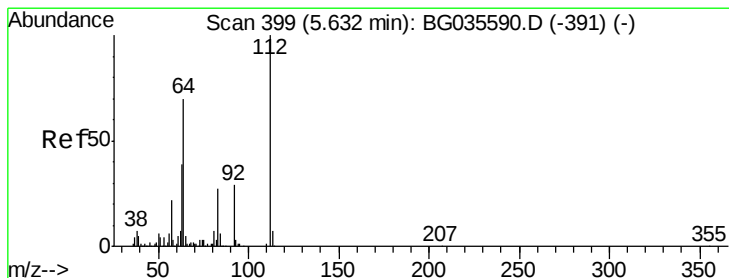
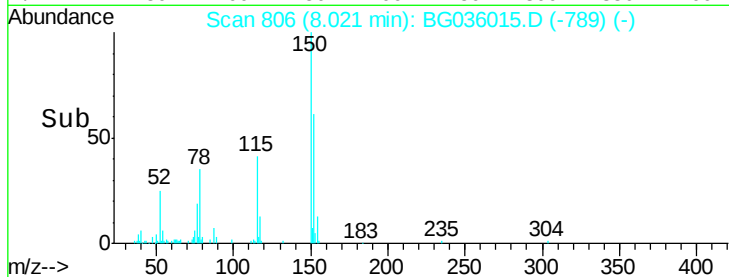
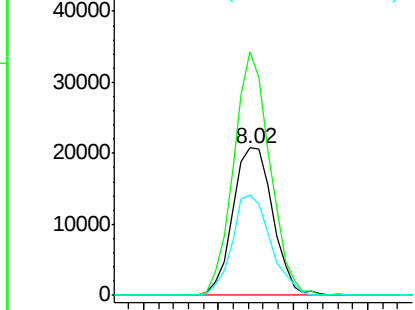
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.02 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: BG036015.D
 Acq: 31 Jul 2018 23:59

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-073018-E

Tgt Ion:152 Resp: 38760
 Ion Ratio Lower Upper
 152 100
 150 165.3 126.6 189.8
 115 67.8 53.0 79.4



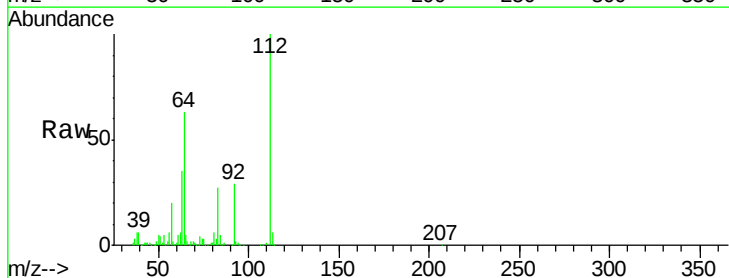
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



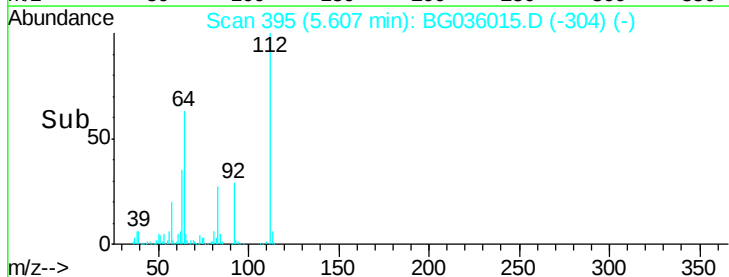
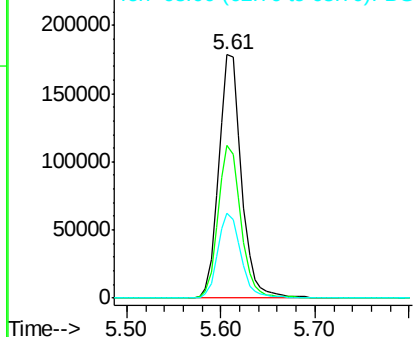
#5

2-Fluorophenol
 Concen: 129.430 ng
 RT: 5.61 min Scan# 395
 Delta R.T. 0.00 min
 Lab File: BG036015.D
 Acq: 31 Jul 2018 23:59

Tgt Ion:112 Resp: 302169
 Ion Ratio Lower Upper
 112 100
 64 62.8 56.3 84.5
 63 34.8 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: 108.594 ng

RT: 7.19 min Scan# 665

Delta R.T. -0.00 min

Lab File: BG036015.D

Acq: 31 Jul 2018 23:59

Instrument :

BNA_G

ClientSampleId :

CL-01-073018-E

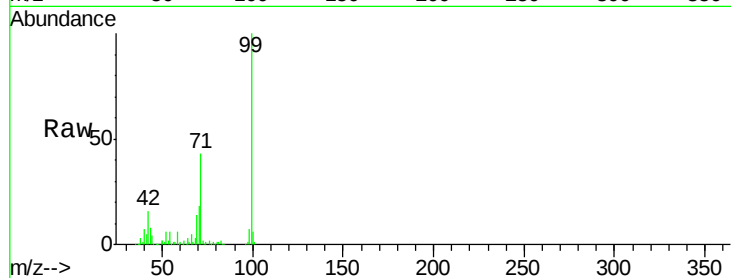
Tgt Ion: 99 Resp: 378255

Ion Ratio Lower Upper

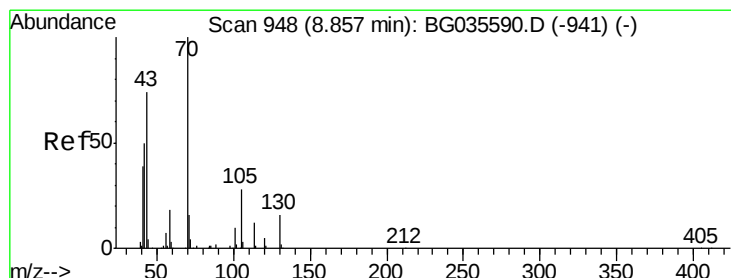
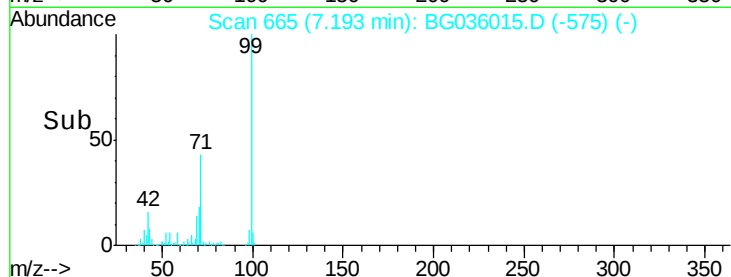
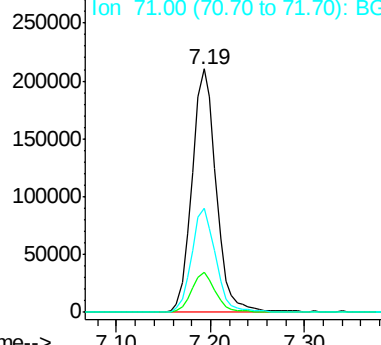
99 100

42 16.2 14.1 21.1

71 42.9 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: 15.095 ng

RT: 9.18 min Scan# 1004

Delta R.T. 0.36 min

Lab File: BG036015.D

Acq: 31 Jul 2018 23:59

Tgt Ion: 70 Resp: 44277

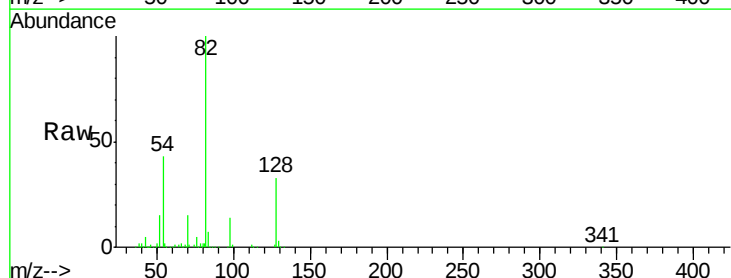
Ion Ratio Lower Upper

70 100

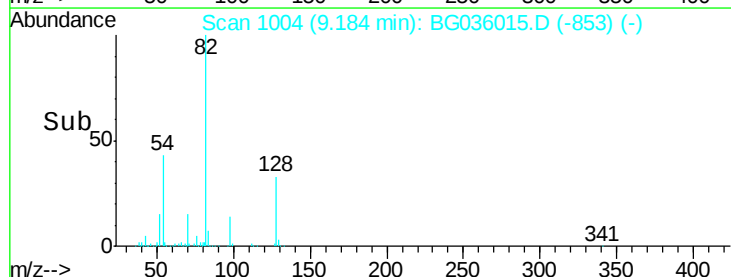
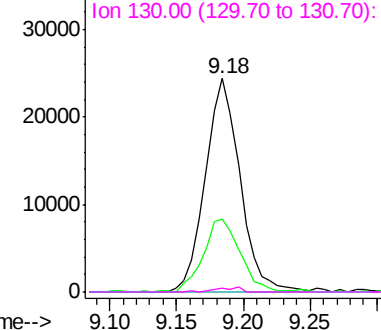
42 33.9 49.1 73.7#

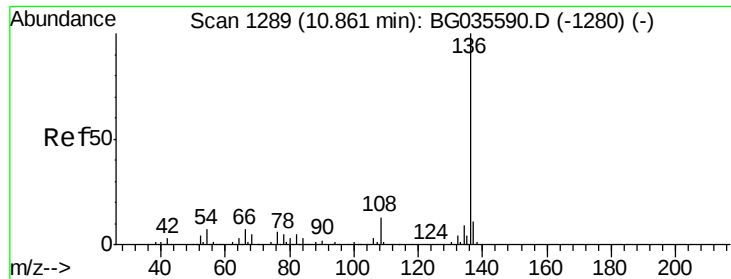
101 0.0 8.5 12.7#

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

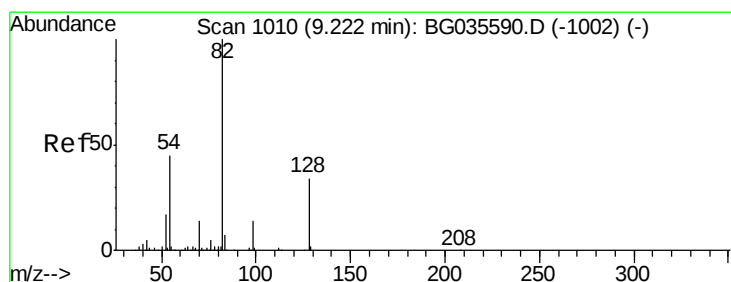
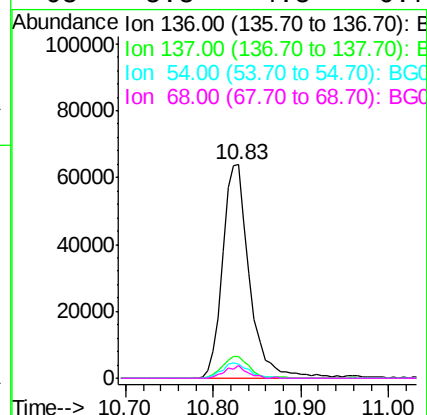
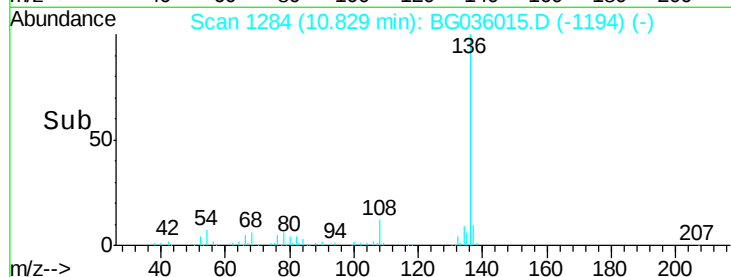
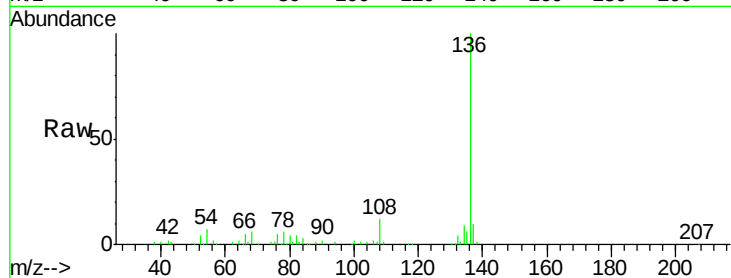




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BG036015.D
Acq: 31 Jul 2018 23:59

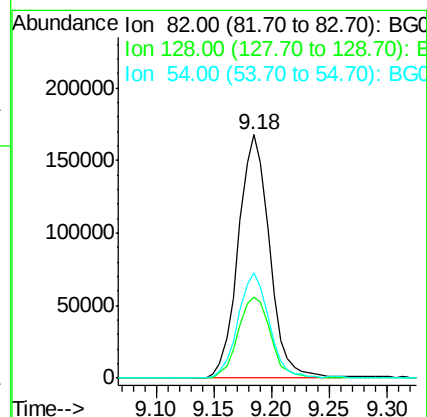
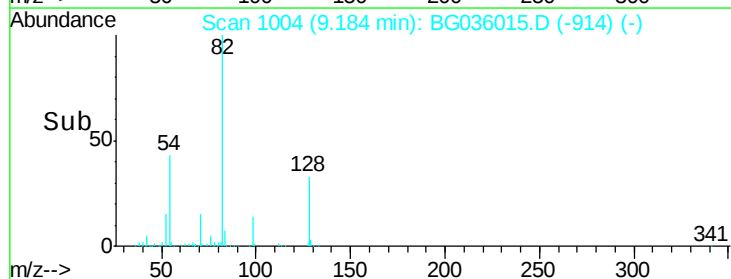
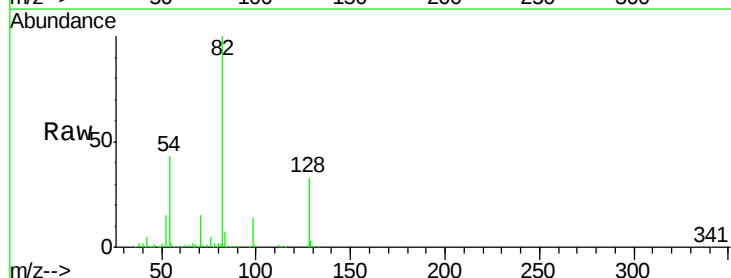
Instrument :
BNA_G
ClientSampleId :
CL-01-073018-E

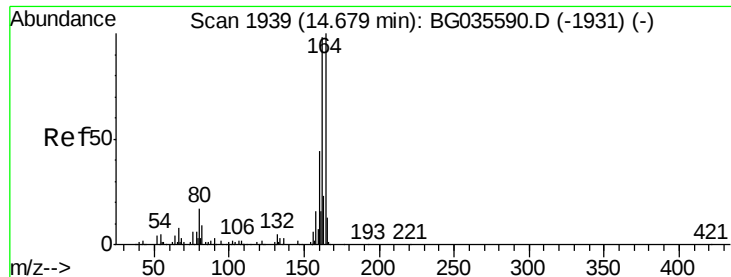
Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.2	13.8
54	6.7	10.3	15.5
68	5.8	4.5	6.7



#23
Nitrobenzene-d5
Concen: 97.071 ng
RT: 9.18 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BG036015.D
Acq: 31 Jul 2018 23:59

Tgt Ion	Ratio	Lower	Upper
82	100		
128	33.4	29.7	44.5
54	43.2	43.1	64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.00 min

Lab File: BG036015.D

Acq: 31 Jul 2018 23:59

Instrument :

BNA_G

ClientSampleId :

CL-01-073018-E

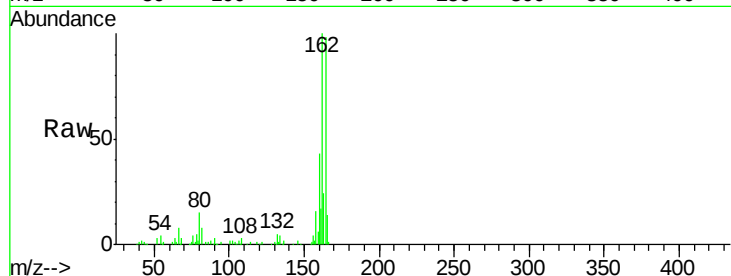
Tgt Ion:164 Resp: 94882

Ion Ratio Lower Upper

164 100

162 101.6 78.8 118.2

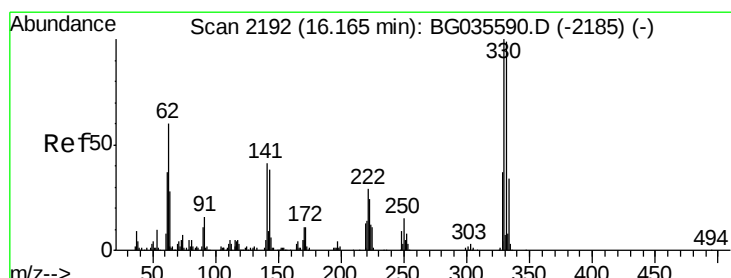
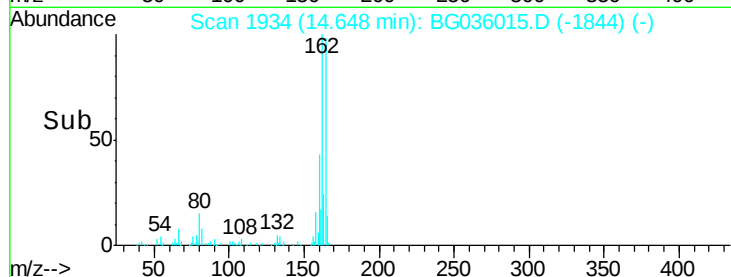
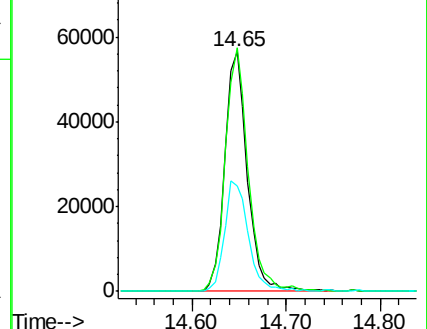
160 43.9 35.4 53.0



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: 155.956 ng

RT: 16.13 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BG036015.D

Acq: 31 Jul 2018 23:59

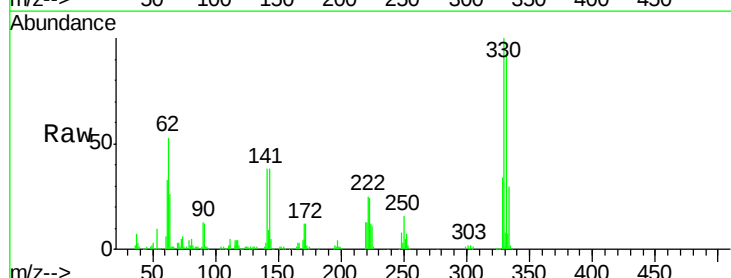
Tgt Ion:330 Resp: 195040

Ion Ratio Lower Upper

330 100

332 95.6 77.0 115.6

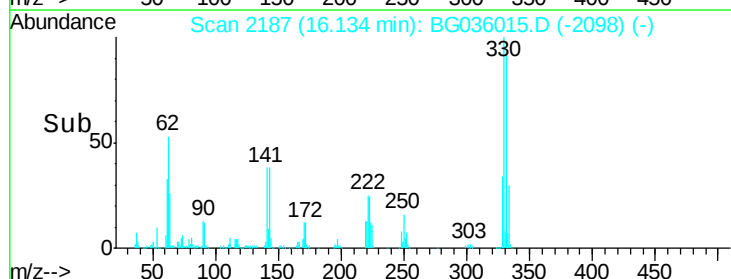
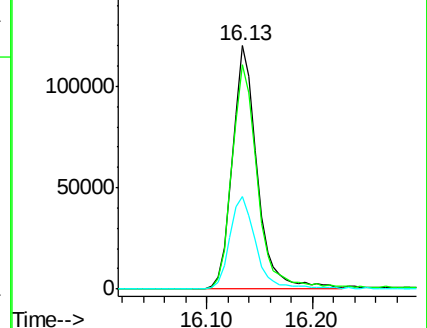
141 40.0 25.2 37.8#

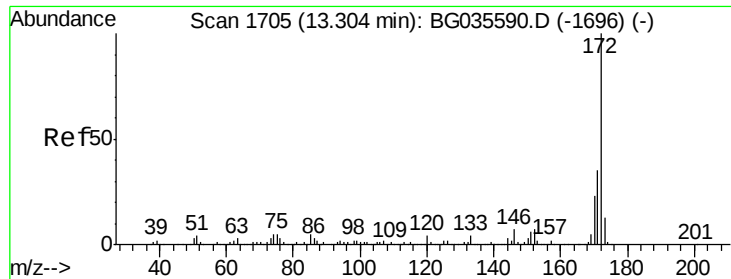


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

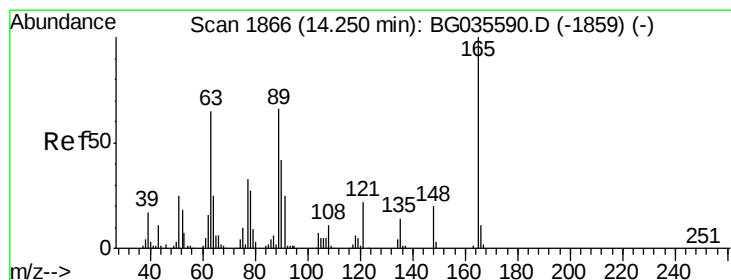
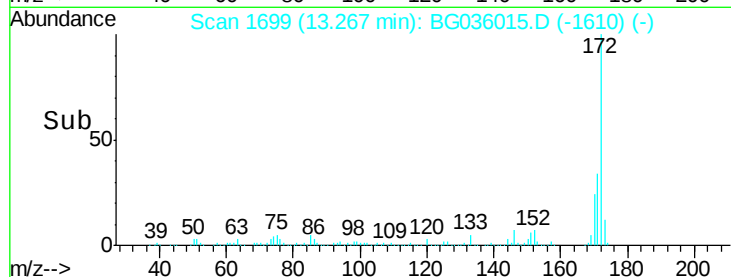
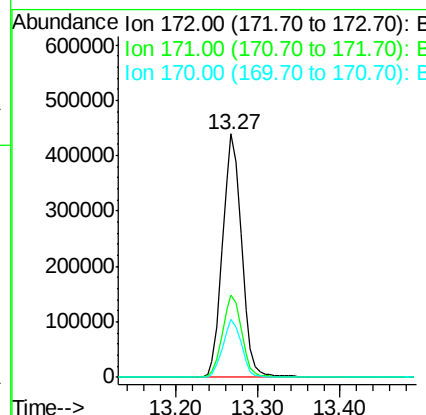
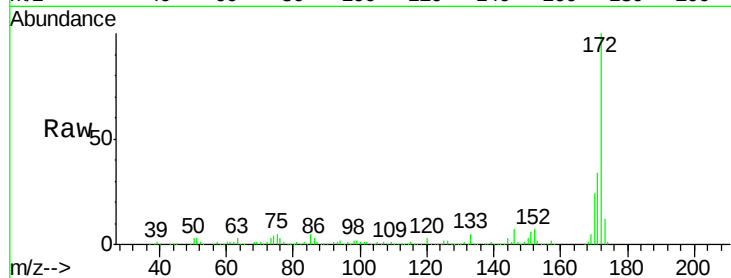




#44
 2-Fluorobiphenyl
 Concen: 101.519 ng
 RT: 13.27 min Scan# 1699
 Delta R.T. -0.01 min
 Lab File: BG036015.D
 Acq: 31 Jul 2018 23:59

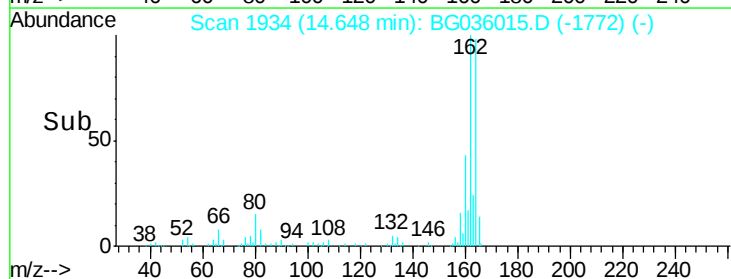
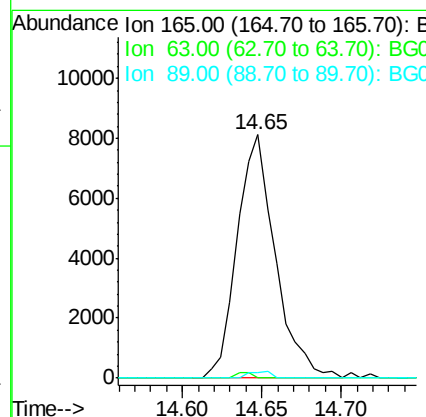
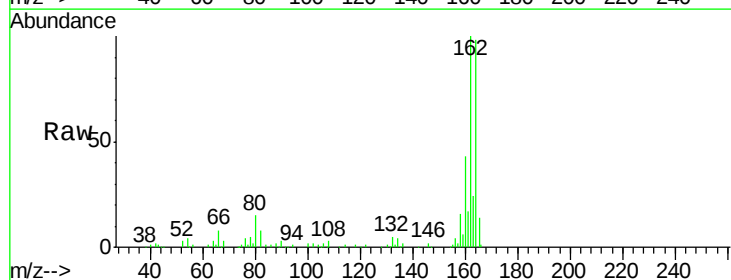
Instrument :
 BNA_G
 ClientSampleId :
 CL-01-073018-E

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.8	30.0	45.0
170	23.6	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.987 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. 0.42 min
 Lab File: BG036015.D
 Acq: 31 Jul 2018 23:59

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	2.5	49.2	73.8#





#56

2,4-Dinitrotoluene

Concen: 5.567 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.37 min

Lab File: BG036015.D

Acq: 31 Jul 2018 23:59

Instrument :

BNA_G

ClientSampleId :

CL-01-073018-E

Tgt Ion:165 Resp: 13521

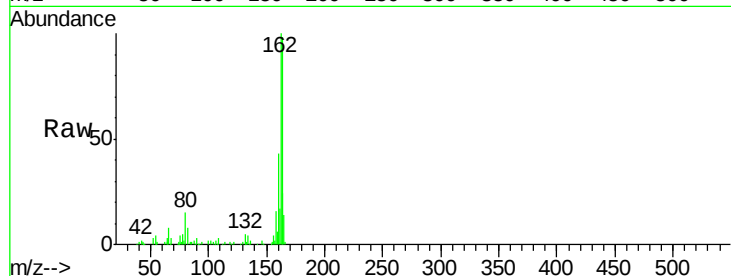
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 2.5 66.9 100.3#

182 0.0 2.6 3.8#

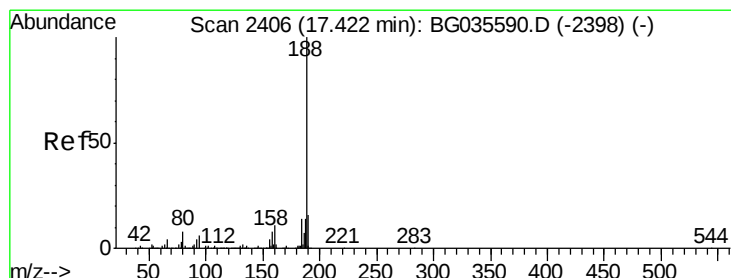
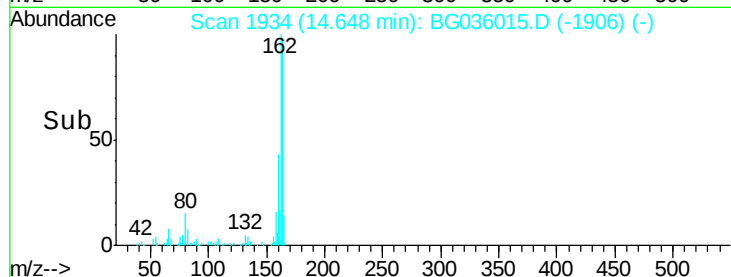
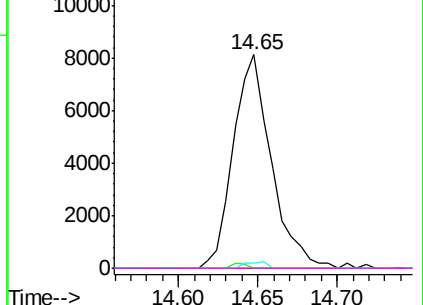


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2401

Delta R.T. -0.00 min

Lab File: BG036015.D

Acq: 31 Jul 2018 23:59

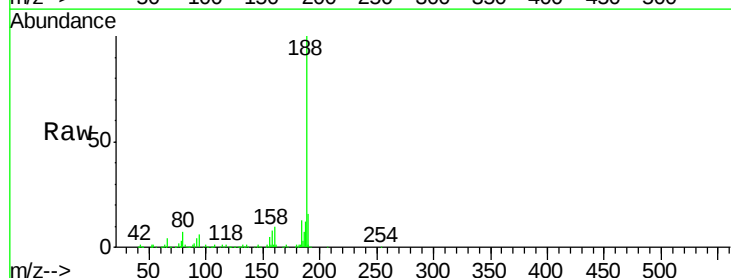
Tgt Ion:188 Resp: 259087

Ion Ratio Lower Upper

188 100

94 6.1 6.9 10.3#

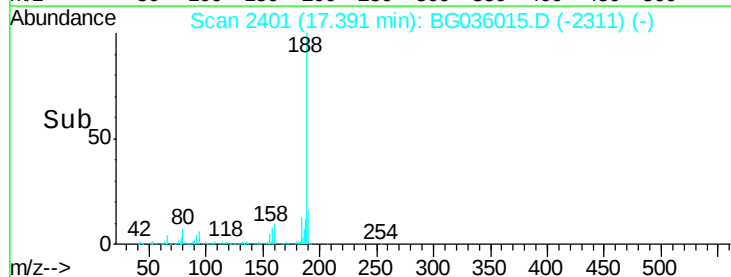
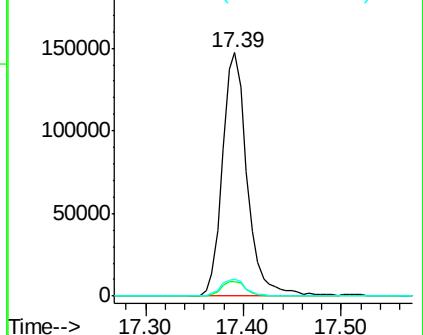
80 7.1 7.7 11.5#

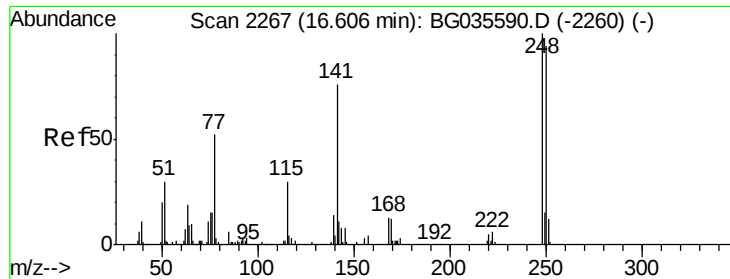


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#66

4-Bromophenyl-phenylether

Concen: 5.508 ng

RT: 16.13 min Scan# 2187

Delta R.T. -0.45 min

Lab File: BG036015.D

Acq: 31 Jul 2018 23:59

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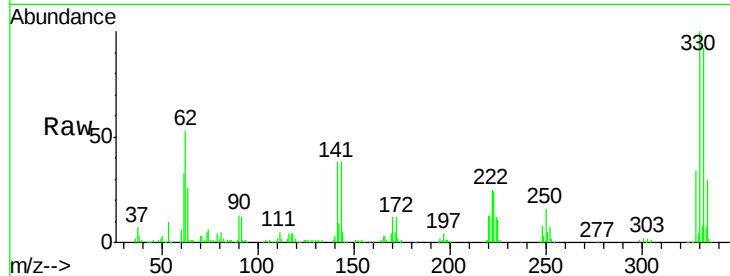
Tgt Ion:248 Resp: 16555

Ion Ratio Lower Upper

248 100

250 184.5 77.1 115.7#

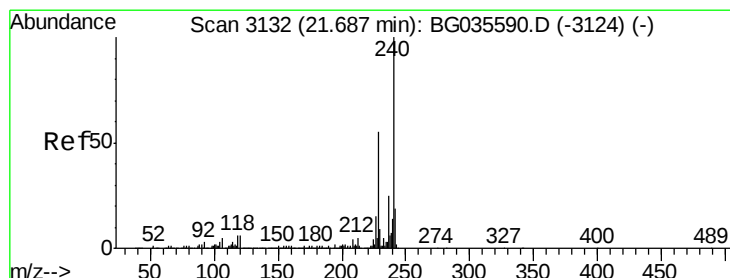
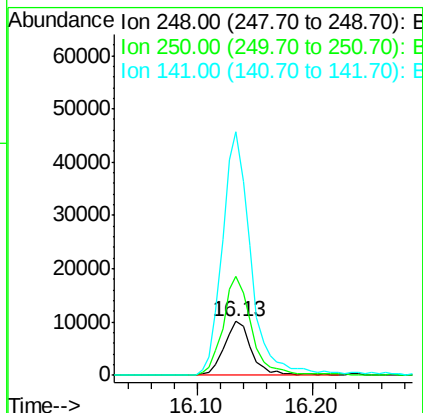
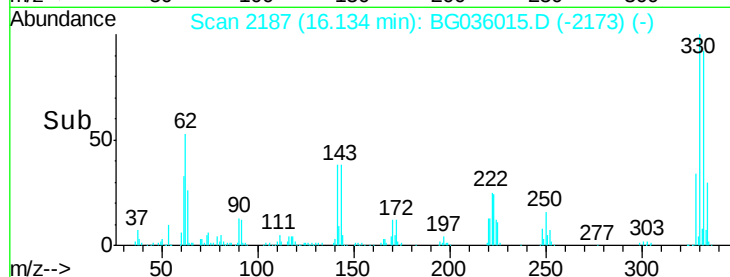
141 452.7 50.8 76.2#



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: 21.65 min Scan# 3126

Delta R.T. -0.01 min

Lab File: BG036015.D

Acq: 31 Jul 2018 23:59

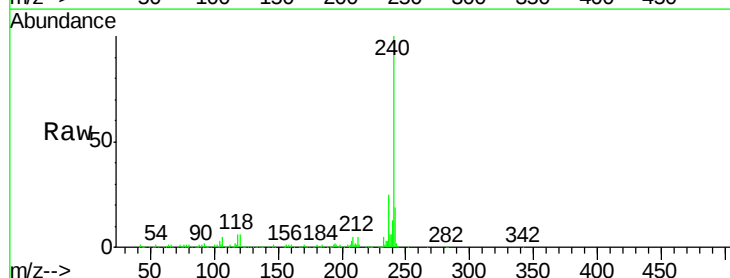
Tgt Ion:240 Resp: 278705

Ion Ratio Lower Upper

240 100

120 5.9 6.8 10.2#

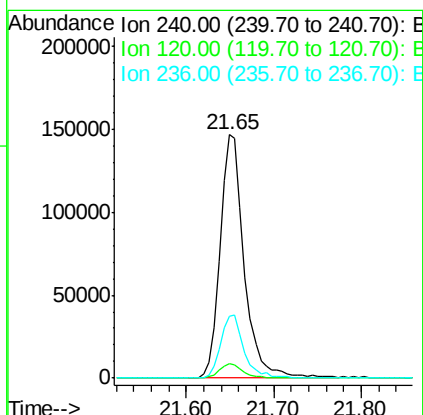
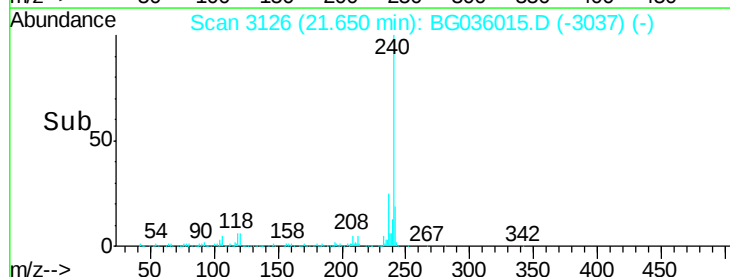
236 25.3 20.9 31.3

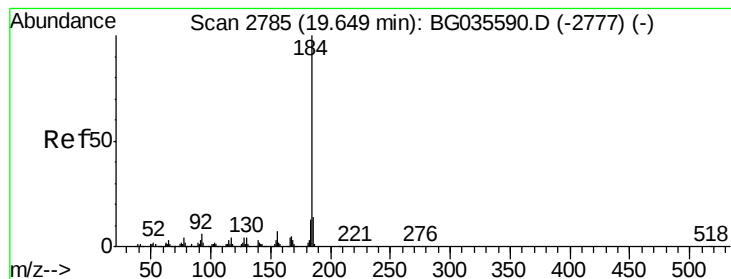


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.976 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.37 min

Lab File: BG036015.D

Acq: 31 Jul 2018 23:59

Instrument :

BNA_G

ClientSampleId :

CL-01-073018-E

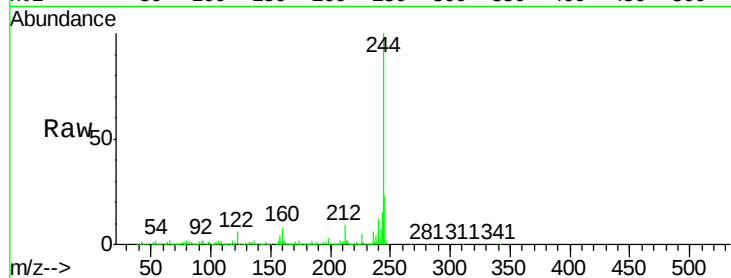
Tgt Ion:184 Resp: 21808

Ion Ratio Lower Upper

184 100

185 17.1 11.1 16.7#

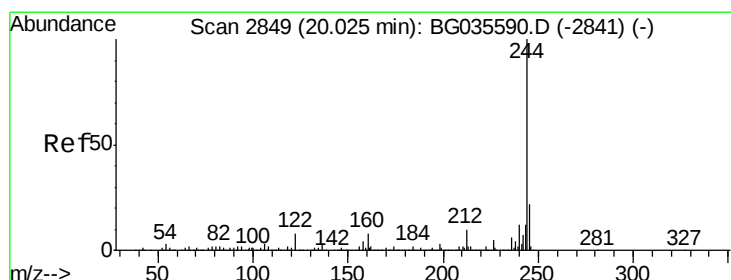
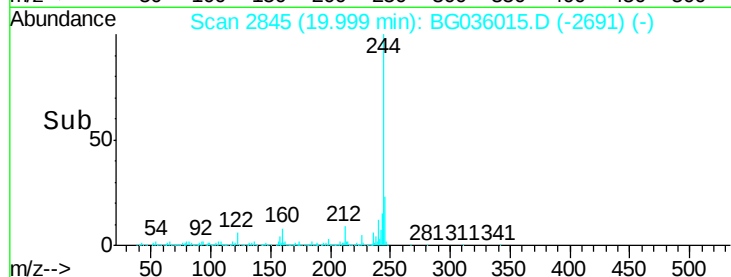
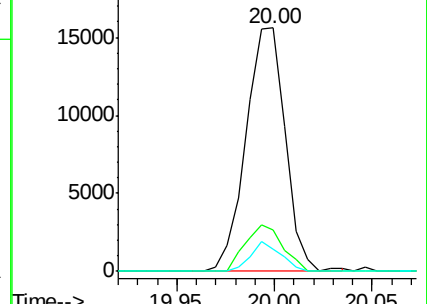
183 9.2 10.6 16.0#



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: 101.641 ng

RT: 20.00 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BG036015.D

Acq: 31 Jul 2018 23:59

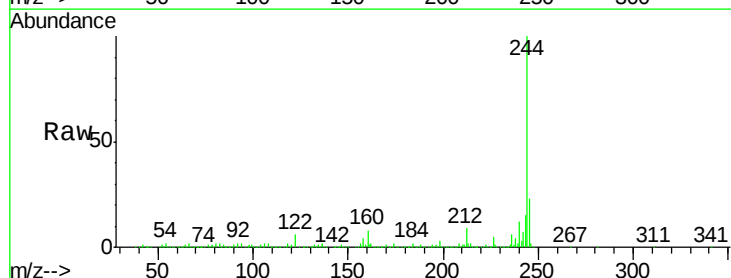
Tgt Ion:244 Resp: 1285112

Ion Ratio Lower Upper

244 100

212 9.5 5.8 8.8#

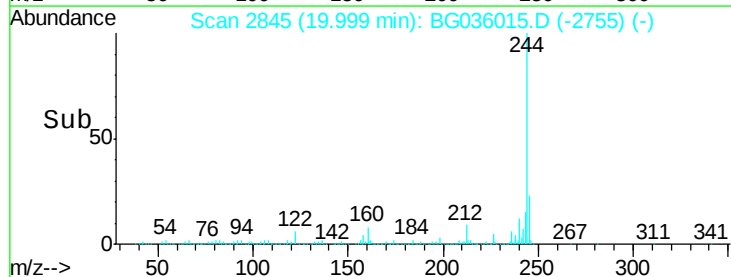
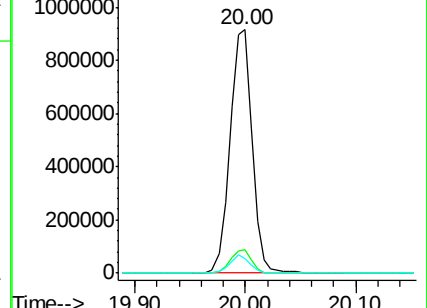
122 6.1 7.0 10.4#

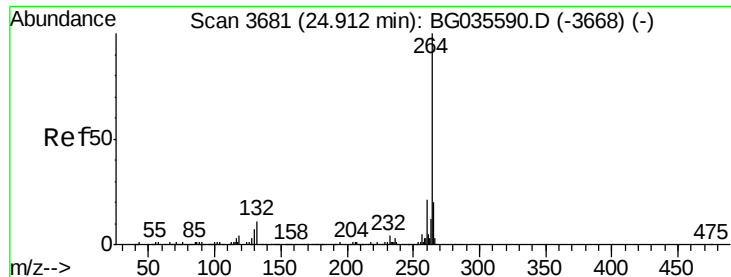


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.85 min Scan# 3670
Delta R.T. -0.01 min
Lab File: BG036015.D
Acq: 31 Jul 2018 23:59

Instrument :
BNA_G
ClientSampleId :
CL-01-073018-E

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.7	17.4	26.0
265	21.8	17.7	26.5

