

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071818\
 Data File : BG035746.D
 Acq On : 19 Jul 2018 10:09
 Operator : JU/SJ
 Sample : J3832-04
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-071618

Quant Time: Jul 19 11:54:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 18 17:45:13 2018
 Response via : Initial Calibration

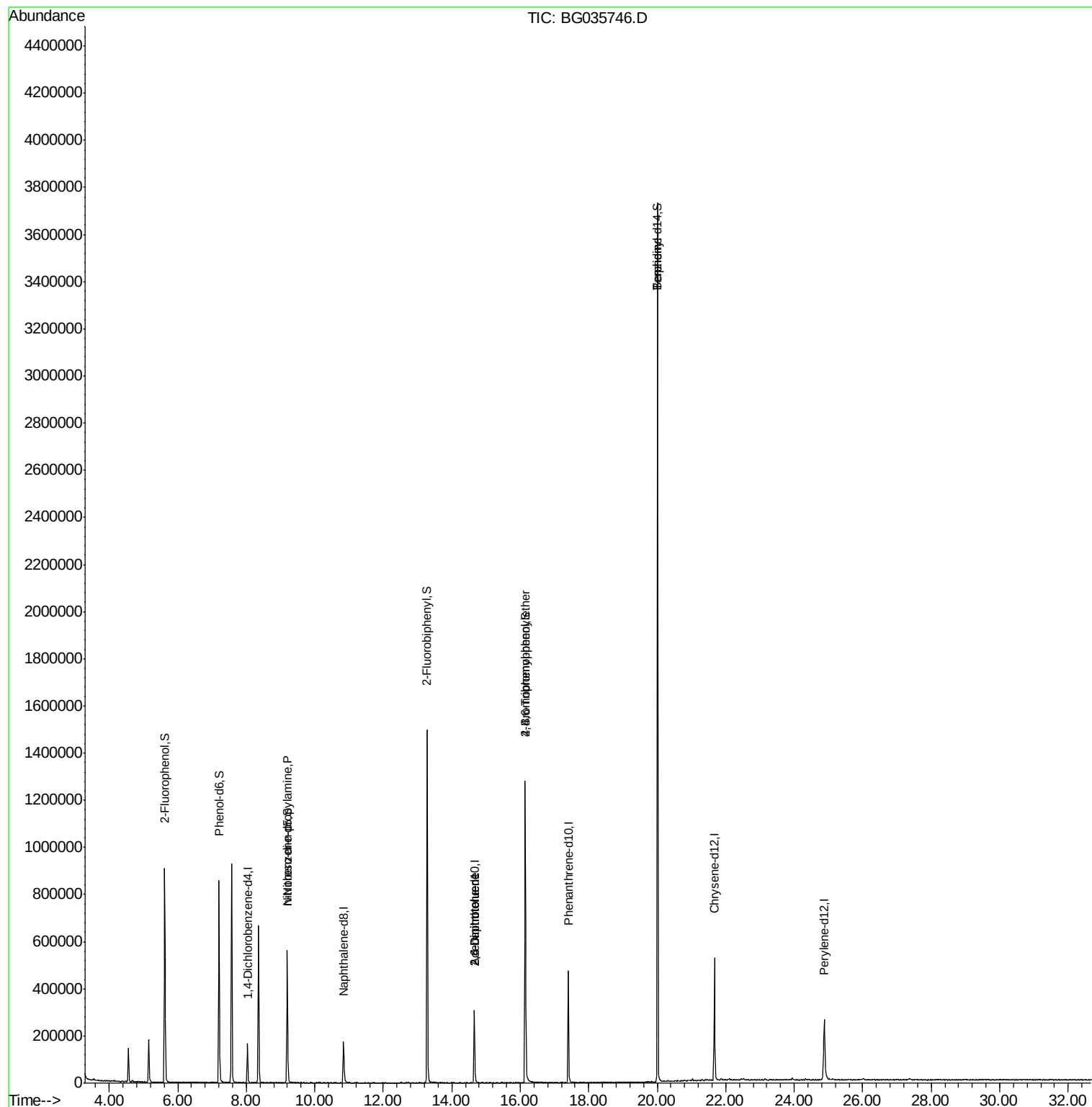
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	49424	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	162117	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	114700	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	319217	20.00	ng	0.00
75) Chrysene-d12	21.67	240	346880	20.00	ng	0.00
86) Perylene-d12	24.88	264	313275	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	389941	130.99	ng	0.00
7) Phenol-d6	7.21	99	518377	116.71	ng	0.00
23) Nitrobenzene-d5	9.20	82	381279	98.25	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	245713	162.53	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	854870	99.85	ng	0.00
78) Terphenyl-d14	20.01	244	1680479	106.79	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	53786	14.381	ng	# 68
50) 2,6-Dinitrotoluene	14.67	165	15367	7.509	ng	# 20
56) 2,4-Dinitrotoluene	14.67	165	15367	5.234	ng	# 18
66) 4-Bromophenyl-phenylether	16.15	248	21005	5.672	ng	# 1
76) Benzidine	20.01	184	31109	3.411	ng	# 82

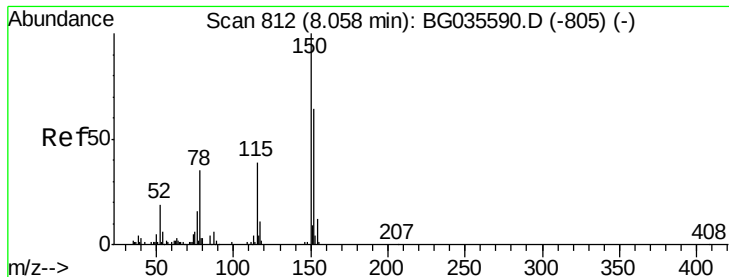
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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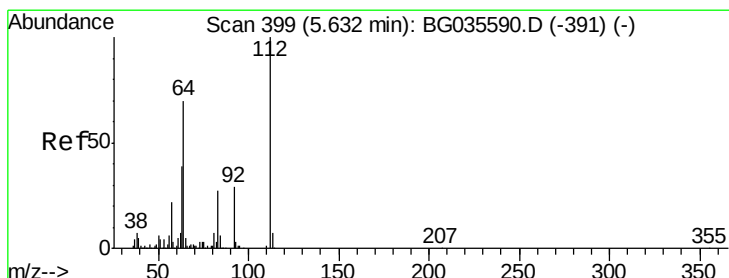
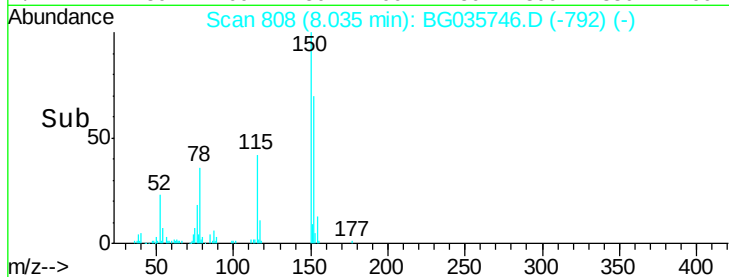
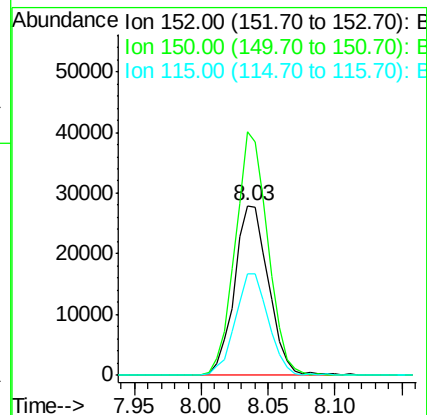
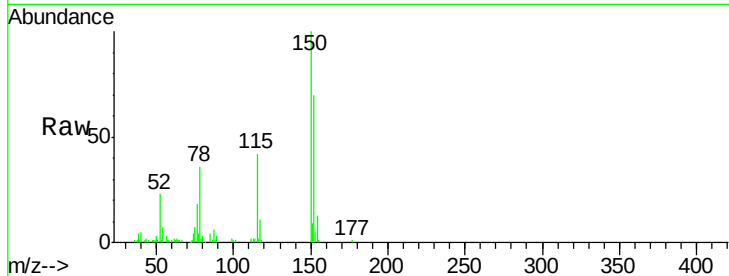


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 808
Delta R.T. -0.01 min
Lab File: BG035746.D
Acq: 19 Jul 2018 10:09

Instrument :
BNA_G
ClientSampleId :
TR-04-071618

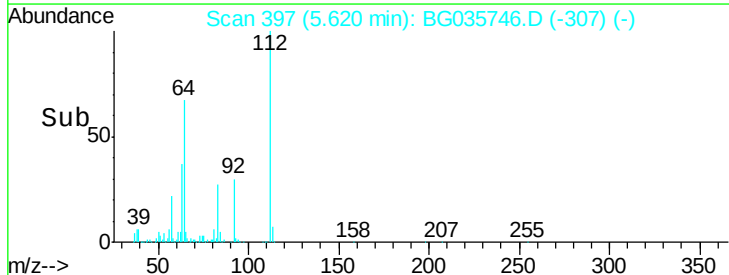
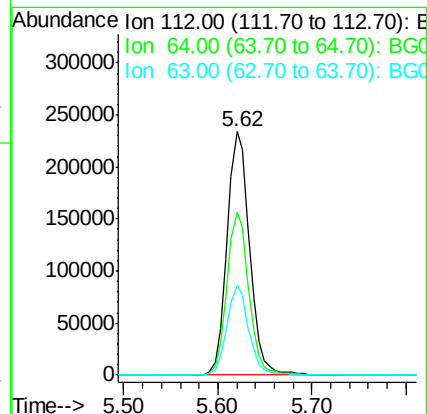
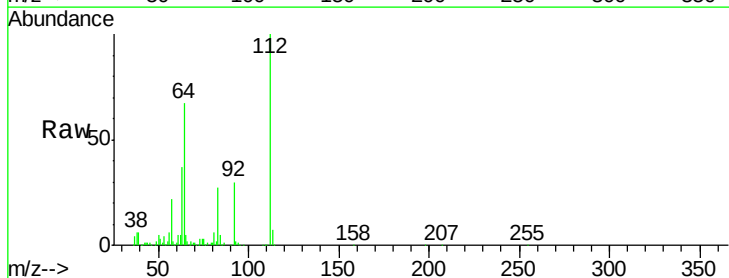
Tgt Ion:152 Resp: 49424
Ion Ratio Lower Upper
152 100
150 143.7 126.6 189.8
115 60.0 53.0 79.4

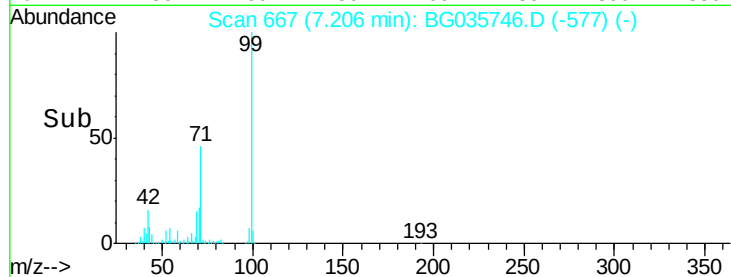
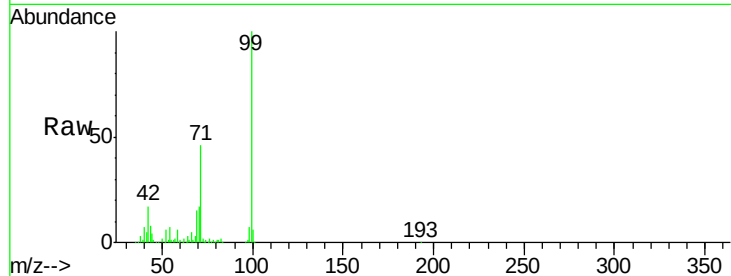
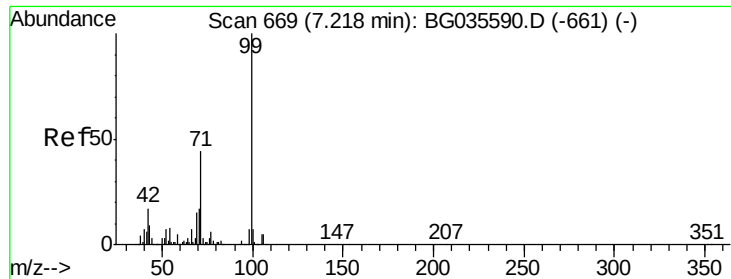


#5

2-Fluorophenol
Concen: 130.988 ng
RT: 5.62 min Scan# 397
Delta R.T. 0.00 min
Lab File: BG035746.D
Acq: 19 Jul 2018 10:09

Tgt Ion:112 Resp: 389941
Ion Ratio Lower Upper
112 100
64 66.9 56.3 84.5
63 37.2 30.1 45.1





#7

Phenol-d6

Concen: 116.711 ng

RT: 7.21 min Scan# 667

Delta R.T. 0.00 min

Lab File: BG035746.D

Acq: 19 Jul 2018 10:09

Instrument :

BNA_G

ClientSampleId :

TR-04-071618

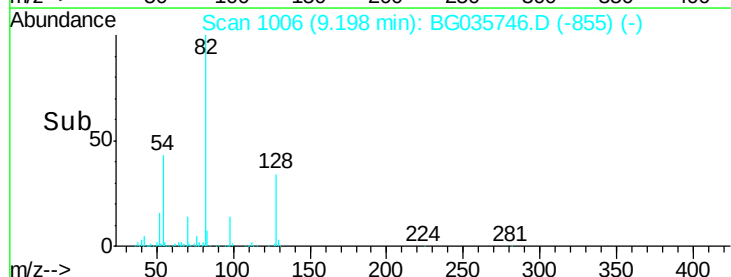
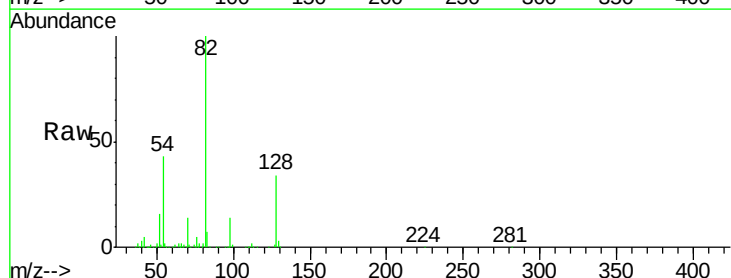
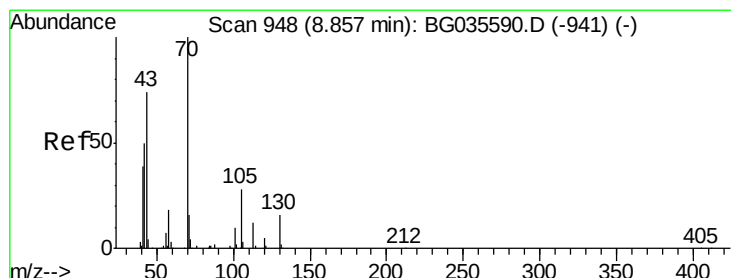
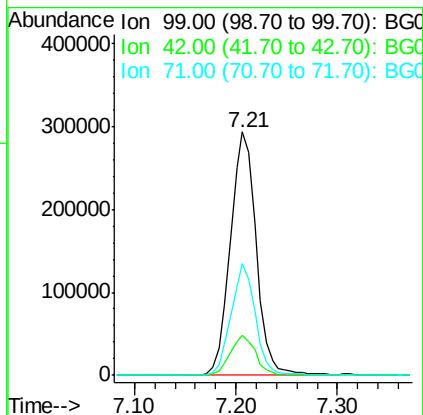
Tgt Ion: 99 Resp: 518377

Ion Ratio Lower Upper

99 100

42 16.5 14.1 21.1

71 45.6 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 14.381 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.36 min

Lab File: BG035746.D

Acq: 19 Jul 2018 10:09

Tgt Ion: 70 Resp: 53786

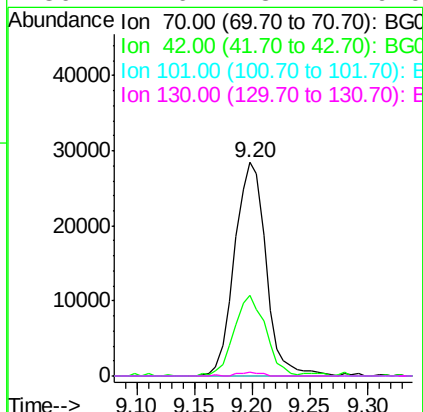
Ion Ratio Lower Upper

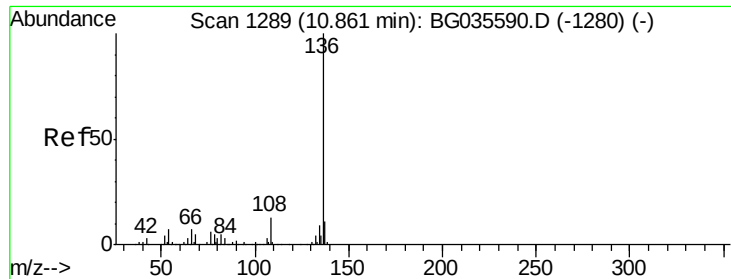
70 100

42 37.5 49.1 73.7#

101 0.0 8.5 12.7#

130 1.6 13.4 20.0#

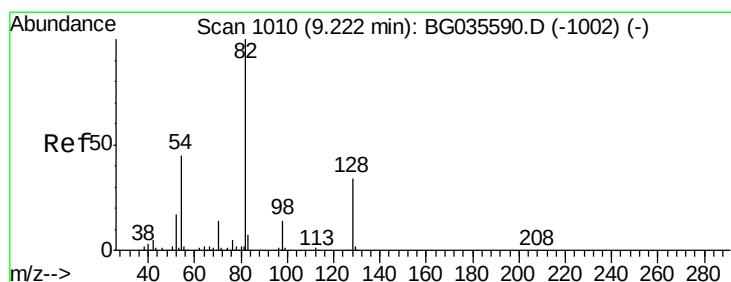
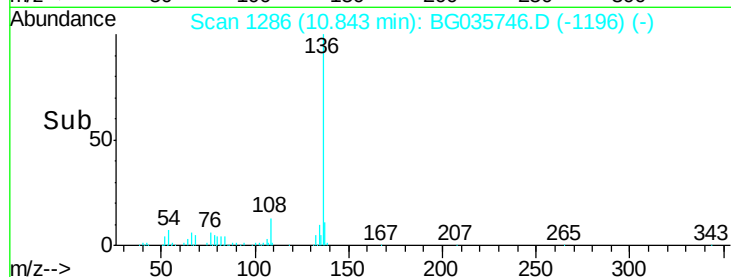
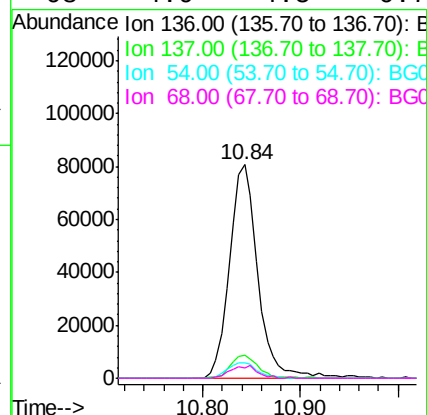
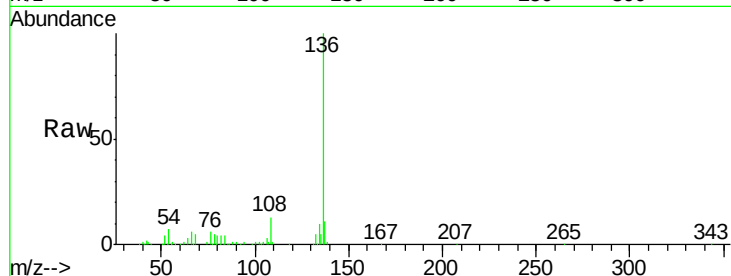




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. 0.00 min
Lab File: BG035746.D
Acq: 19 Jul 2018 10:09

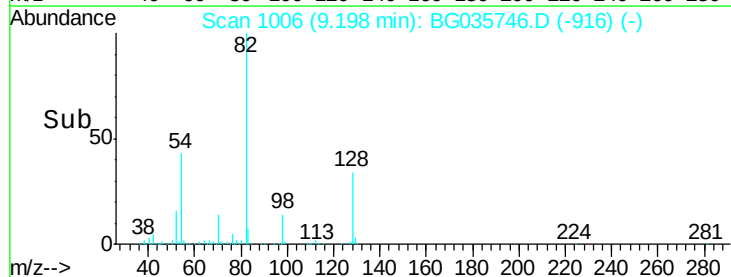
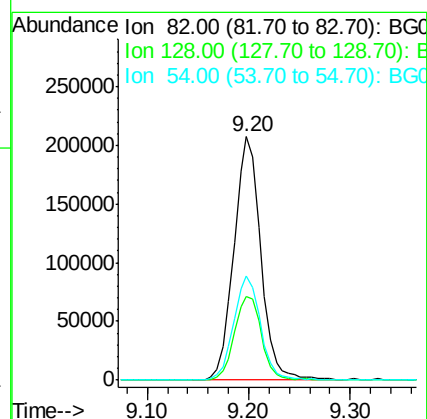
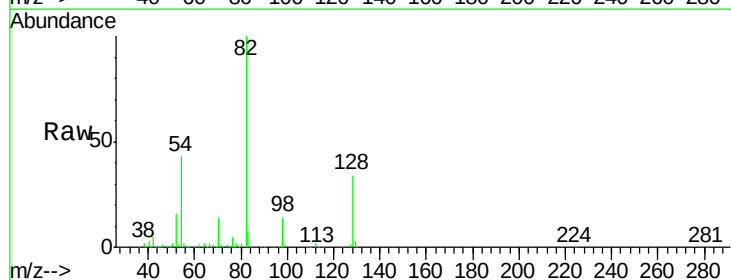
Instrument :
BNA_G
ClientSampleId :
TR-04-071618

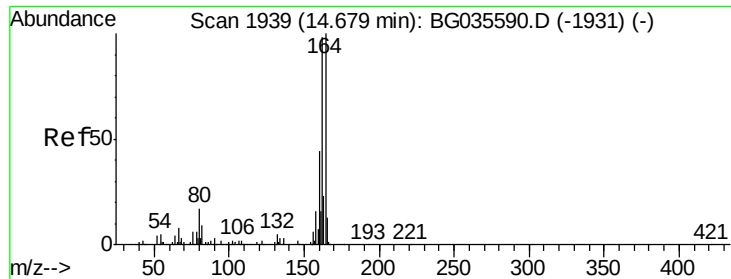
Tgt Ion:	136	Resp:	162117
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	7.2	10.3	15.5#
68	4.9	4.5	6.7



#23
Nitrobenzene-d5
Concen: 98.249 ng
RT: 9.20 min Scan# 1006
Delta R.T. 0.00 min
Lab File: BG035746.D
Acq: 19 Jul 2018 10:09

Tgt Ion:	82	Resp:	381279
Ion	Ratio	Lower	Upper
82	100		
128	34.2	29.7	44.5
54	42.6	43.1	64.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1936

Delta R.T. 0.00 min

Lab File: BG035746.D

Acq: 19 Jul 2018 10:09

Instrument :

BNA_G

ClientSampleId :

TR-04-071618

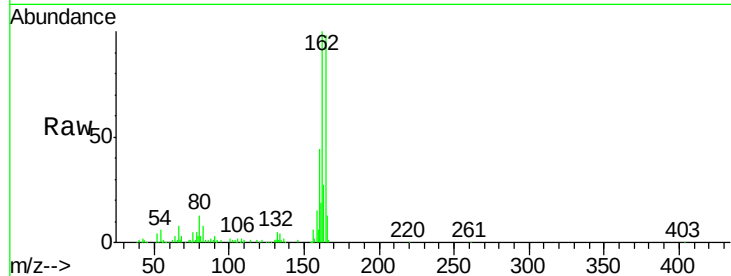
Tgt Ion:164 Resp: 114700

Ion Ratio Lower Upper

164 100

162 102.2 78.8 118.2

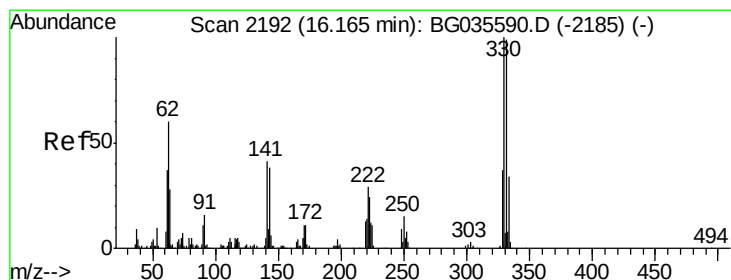
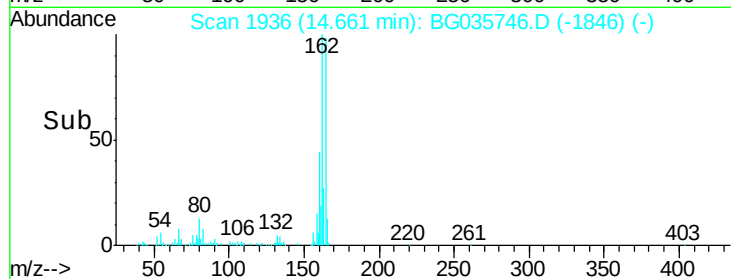
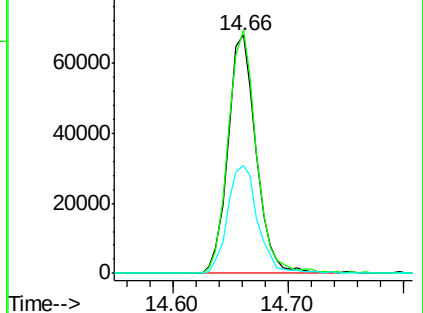
160 45.2 35.4 53.0



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: 162.528 ng

RT: 16.15 min Scan# 2189

Delta R.T. -0.01 min

Lab File: BG035746.D

Acq: 19 Jul 2018 10:09

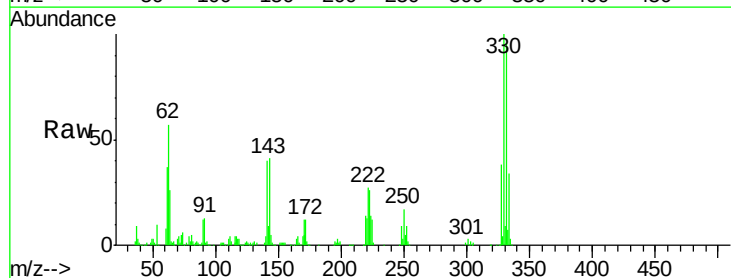
Tgt Ion:330 Resp: 245713

Ion Ratio Lower Upper

330 100

332 94.6 77.0 115.6

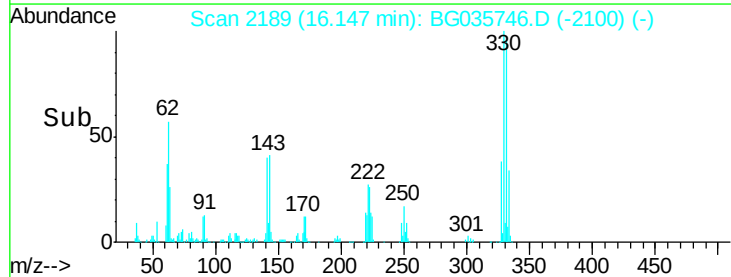
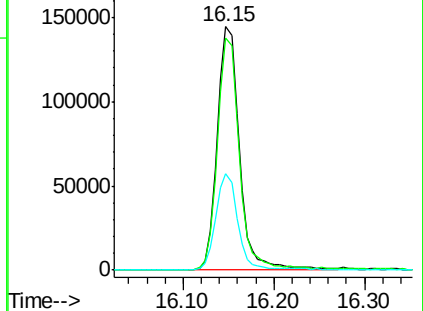
141 39.0 25.2 37.8#

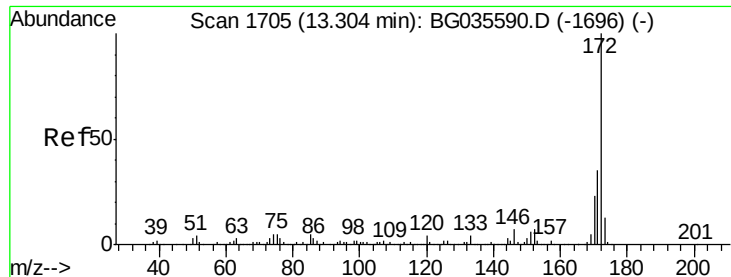


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

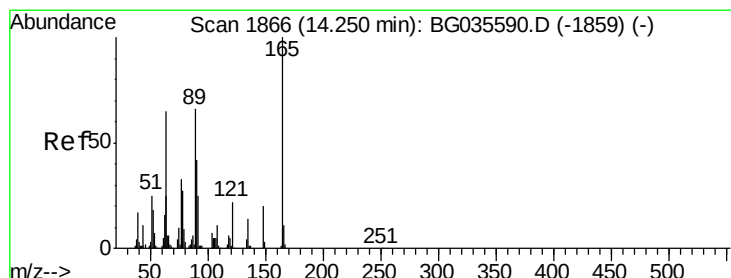
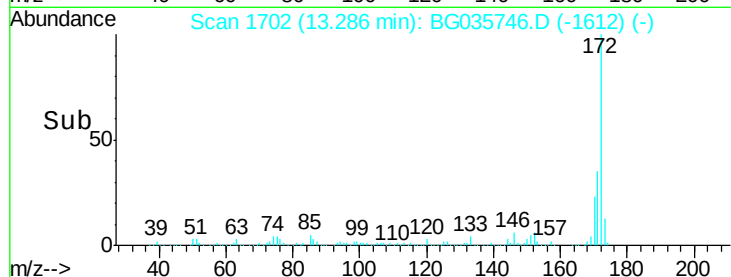
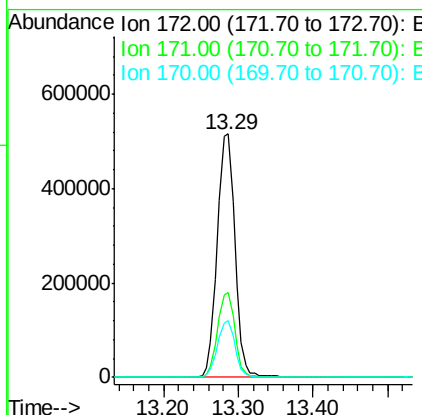
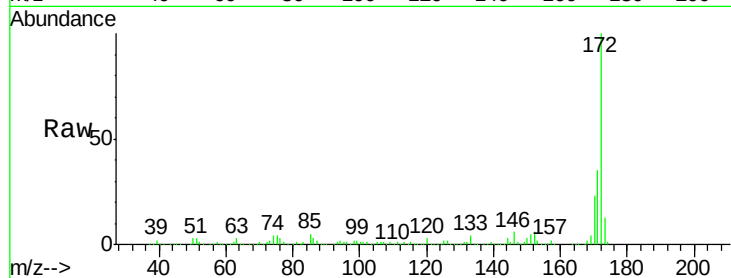




#44
 2-Fluorobiphenyl
 Concen: 99.852 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: BG035746.D
 Acq: 19 Jul 2018 10:09

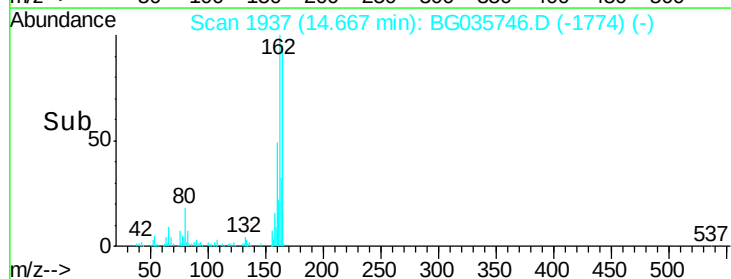
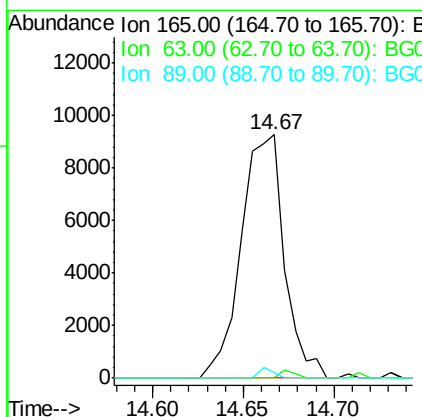
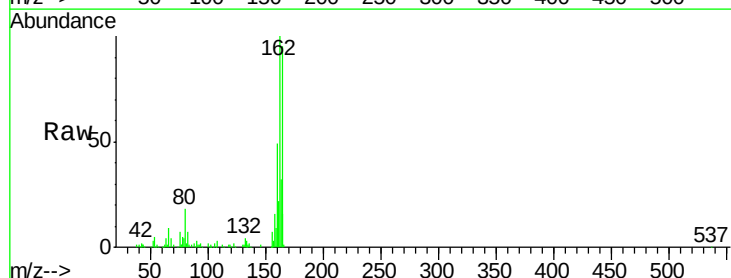
Instrument :
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 TR-04-071618

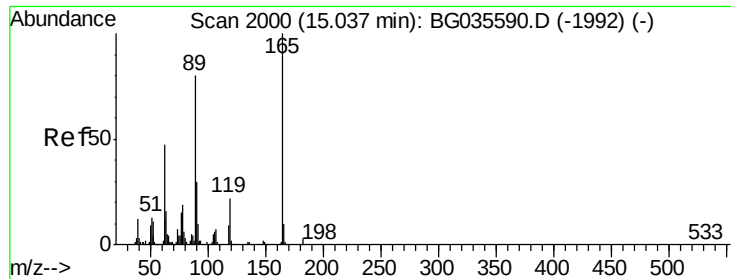
Tgt Ion:172 Resp: 854870
 Ion Ratio Lower Upper
 172 100
 171 34.6 30.0 45.0
 170 23.0 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.509 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. 0.43 min
 Lab File: BG035746.D
 Acq: 19 Jul 2018 10:09

Tgt Ion:165 Resp: 15367
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 2.1 49.2 73.8#

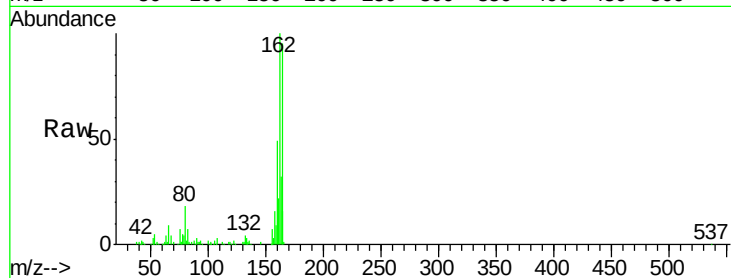




#56
 2,4-Dinitrotoluene
 Concen: 5.234 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. -0.35 min
 Lab File: BG035746.D
 Acq: 19 Jul 2018 10:09

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-071618

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	2.1	66.9	100.3#
182	0.0	2.6	3.8#

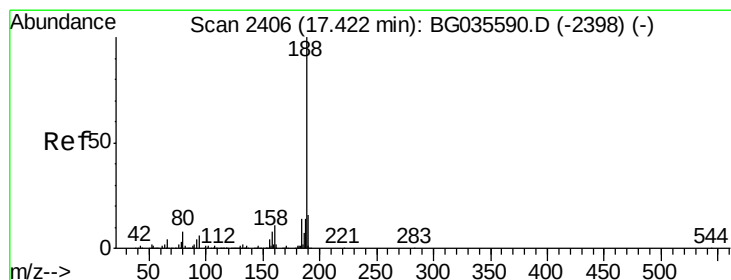
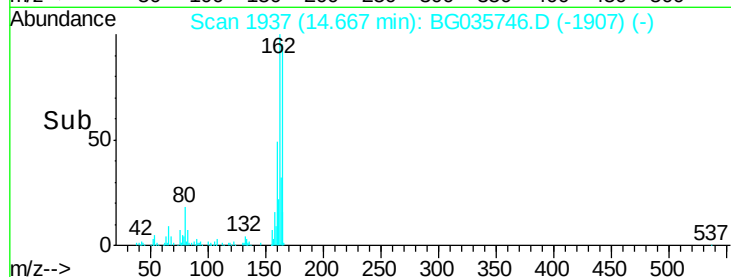
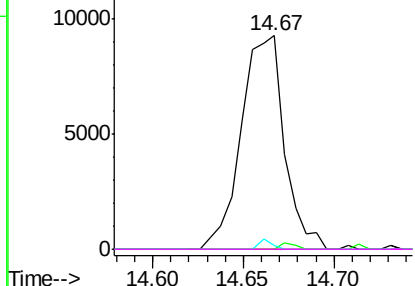


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

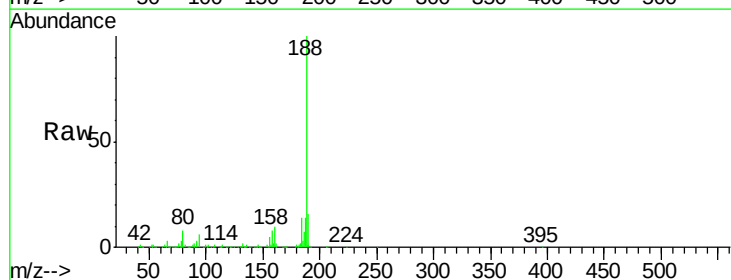
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2403
 Delta R.T. 0.00 min
 Lab File: BG035746.D
 Acq: 19 Jul 2018 10:09

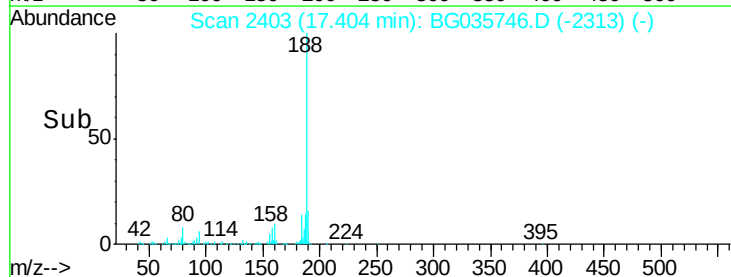
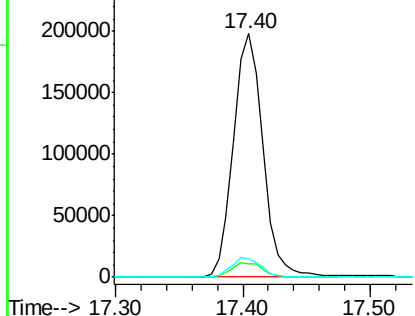
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.6	6.9	10.3#
80	7.5	7.7	11.5#

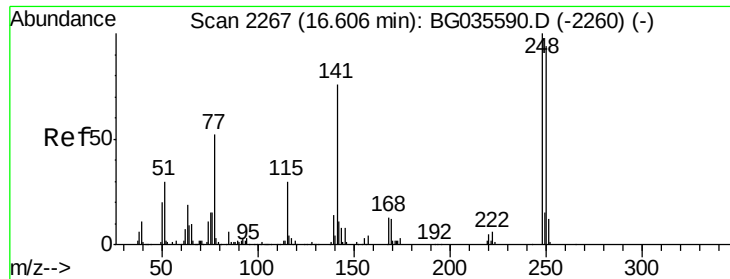


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#66

4-Bromophenyl-phenylether

Concen: 5.672 ng

RT: 16.15 min Scan# 2189

Delta R.T. -0.45 min

Lab File: BG035746.D

Acq: 19 Jul 2018 10:09

Instrument :

BNA_G

ClientSampleId :

TR-04-071618

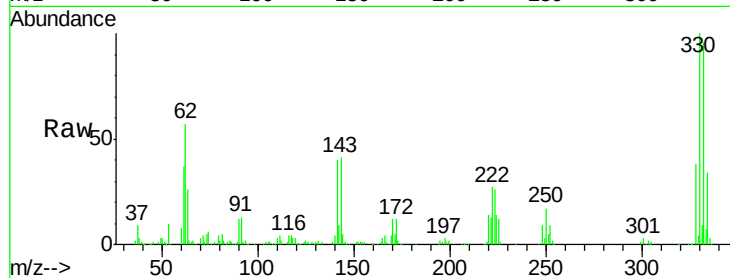
Tgt Ion:248 Resp: 21005

Ion Ratio Lower Upper

248 100

250 179.8 77.1 115.7#

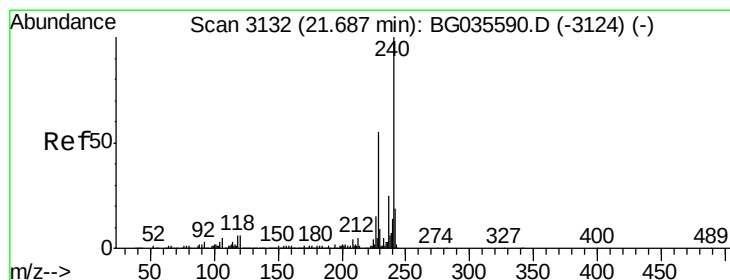
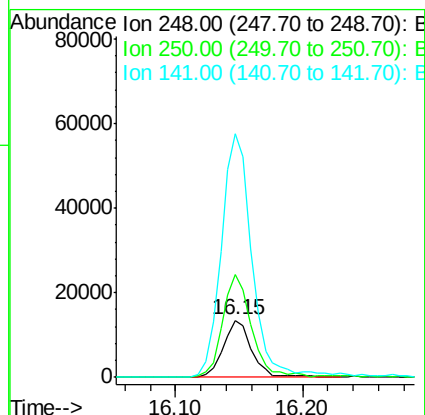
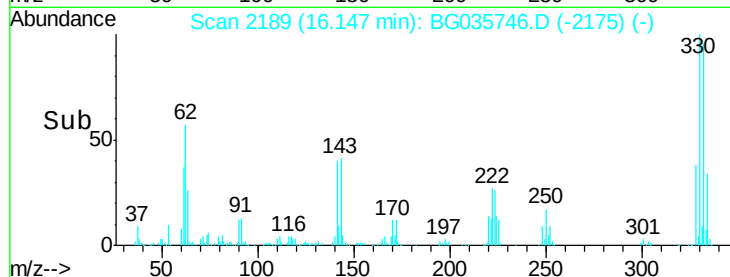
141 424.8 50.8 76.2#



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: 21.67 min Scan# 3129

Delta R.T. -0.01 min

Lab File: BG035746.D

Acq: 19 Jul 2018 10:09

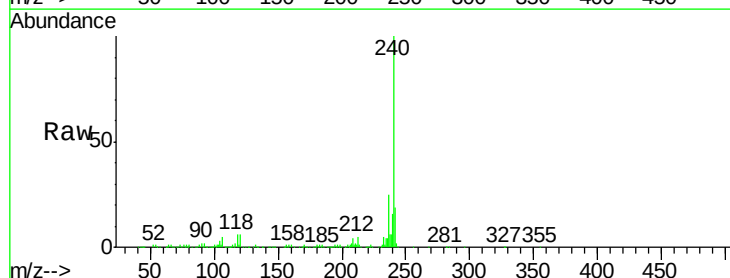
Tgt Ion:240 Resp: 346880

Ion Ratio Lower Upper

240 100

120 6.0 6.8 10.2#

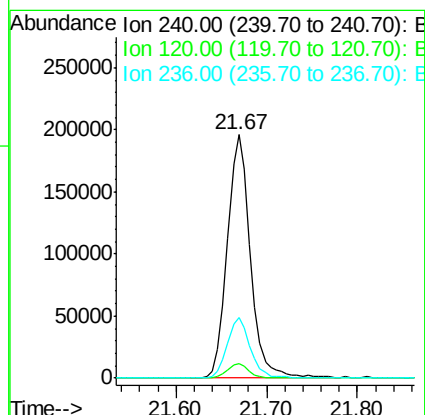
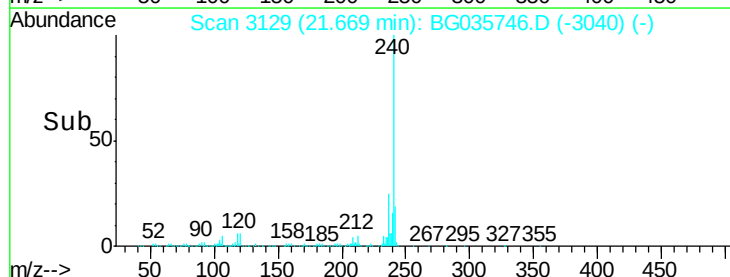
236 25.1 20.9 31.3

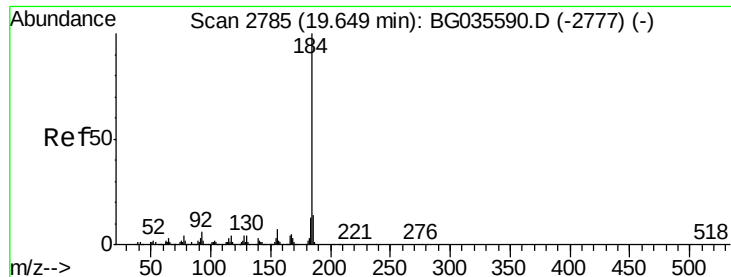


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 3.411 ng

RT: 20.01 min Scan# 2847

Delta R.T. 0.38 min

Lab File: BG035746.D

Acq: 19 Jul 2018 10:09

Instrument :

BNA_G

ClientSampleId :

TR-04-071618

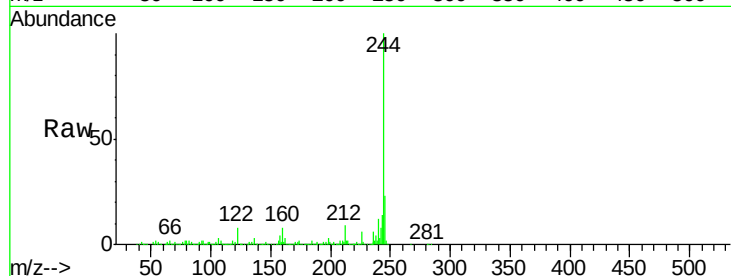
Tgt Ion:184 Resp: 31109

Ion Ratio Lower Upper

184 100

185 21.4 11.1 16.7#

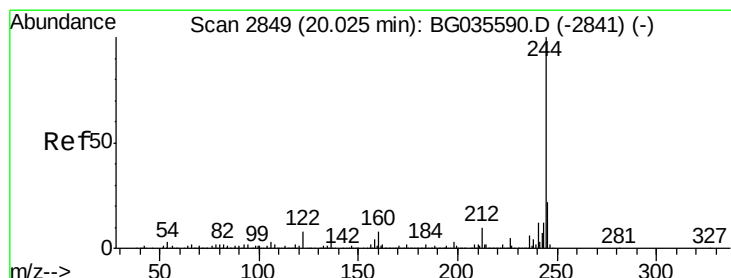
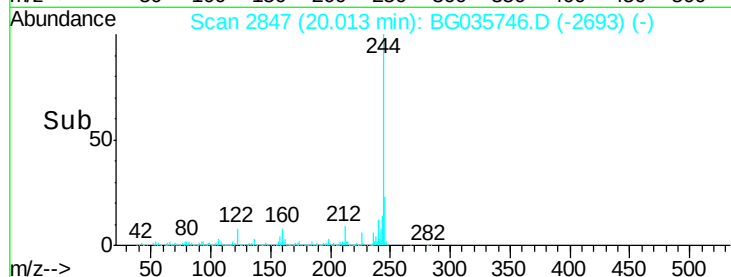
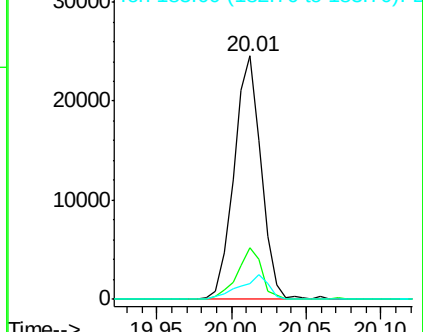
183 6.7 10.6 16.0#



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: 106.789 ng

RT: 20.01 min Scan# 2847

Delta R.T. 0.00 min

Lab File: BG035746.D

Acq: 19 Jul 2018 10:09

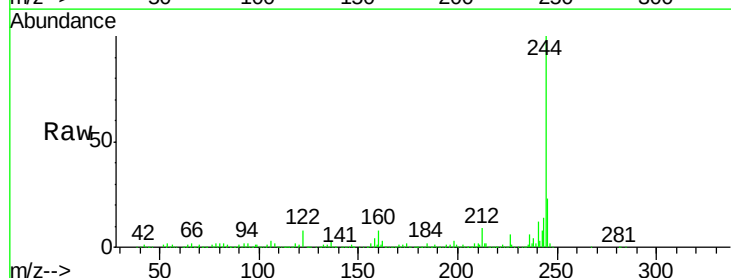
Tgt Ion:244 Resp: 1680479

Ion Ratio Lower Upper

244 100

212 9.4 5.8 8.8#

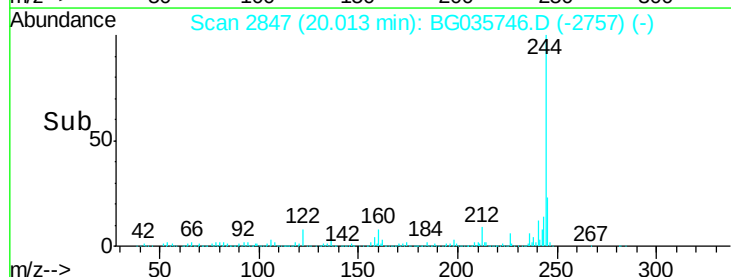
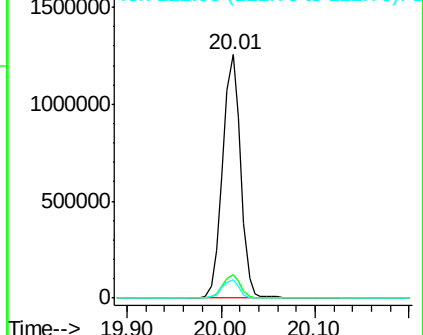
122 7.5 7.0 10.4

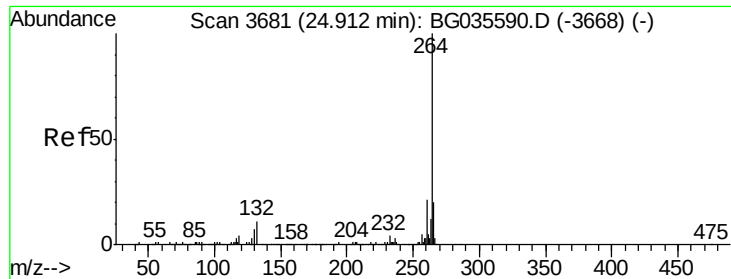


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

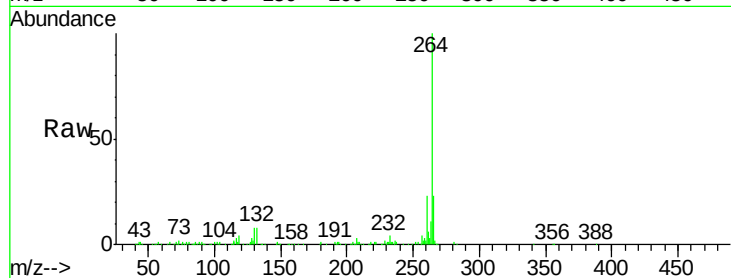




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.88 min Scan# 3675
Delta R.T. -0.01 min
Lab File: BG035746.D
Acq: 19 Jul 2018 10:09

Instrument :
BNA_G
ClientSampleId :
TR-04-071618

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	17.4	26.0
265	22.8	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

