

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062818\
 Data File : BG035492.D
 Acq On : 29 Jun 2018 00:10
 Operator : JU/SJ
 Sample : J3718-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GUN-HILL-FIELD-BLANK-2-6-22-18

Quant Time: Jun 29 02:38:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG060718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 08 17:16:28 2018
 Response via : Initial Calibration

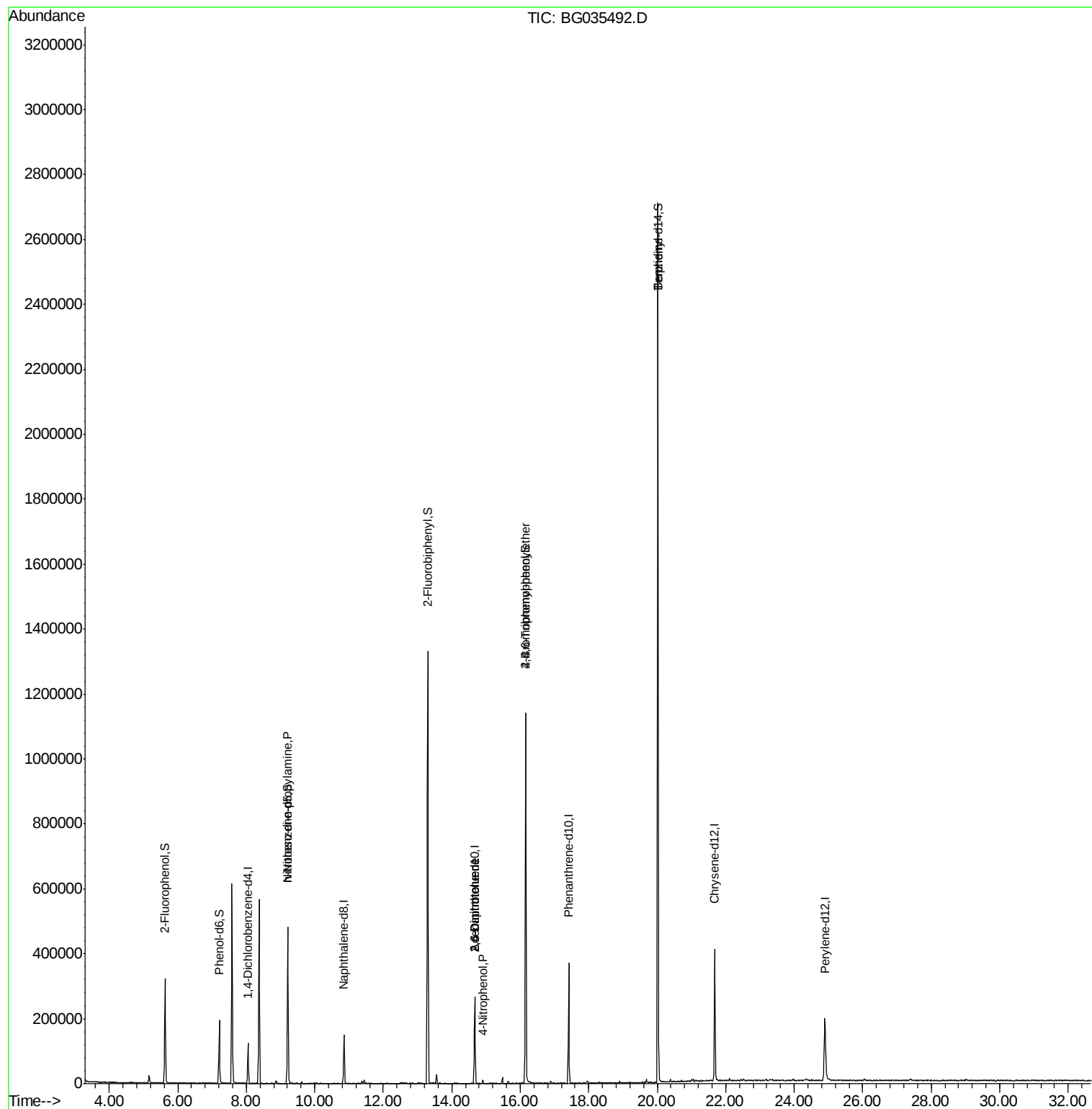
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	35705	20.00	ng	-0.02
21) Naphthalene-d8	10.85	136	128404	20.00	ng	-0.03
38) Acenaphthene-d10	14.67	164	90622	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	246197	20.00	ng	-0.02
75) Chrysene-d12	21.68	240	267227	20.00	ng	-0.04
86) Perylene-d12	24.89	264	248810	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	138500	65.46	ng	-0.02
7) Phenol-d6	7.21	99	125157	40.08	ng	-0.02
23) Nitrobenzene-d5	9.21	82	322776	119.49	ng	-0.03
41) 2,4,6-Tribromophenol	16.16	330	215316	185.60	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	737215	105.76	ng	-0.03
78) Terphenyl-d14	20.02	244	1390557	109.00	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	44311	16.703	ng	# 68
50) 2,6-Dinitrotoluene	14.67	165	12730	8.830	ng	# 20
55) 4-Nitrophenol	14.91	139	2867	2.401	ng	# 1
56) 2,4-Dinitrotoluene	14.67	165	12730	6.647	ng	# 18
66) 4-Bromophenyl-phenylether	16.16	248	16425	5.540	ng	# 1
76) Benzidine	20.02	184	23133	2.327	ng	# 92

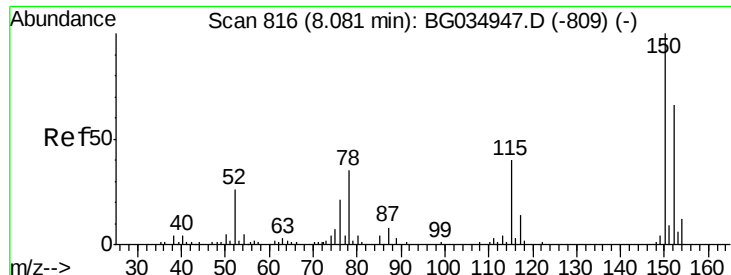
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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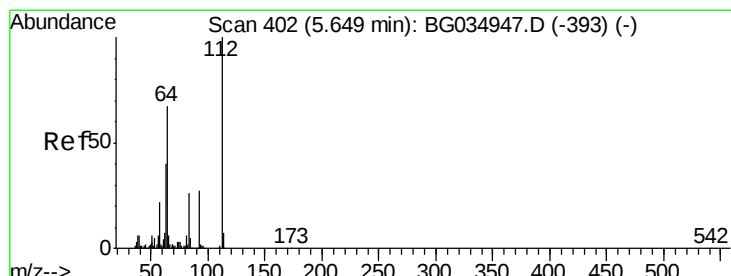
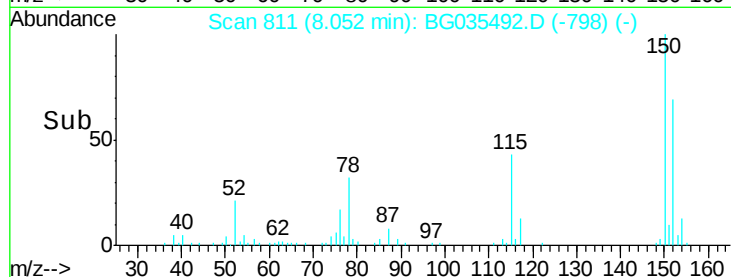
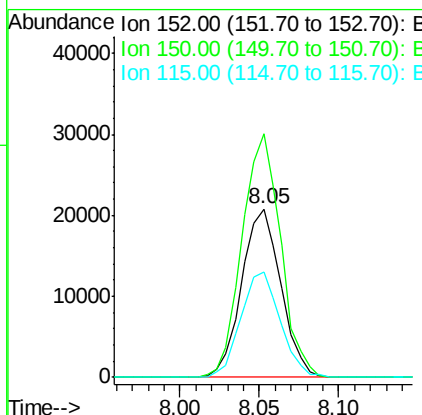
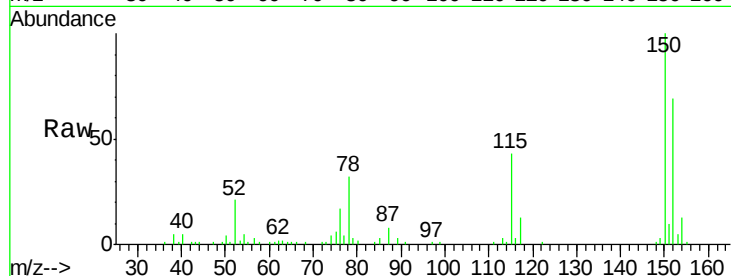


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.02 min
Lab File: BG035492.D
Acq: 29 Jun 2018 00:10

Instrument :
BNA_G
ClientSampleId :
GUN-HILL-FIELD-BLANK-2-6-22-18

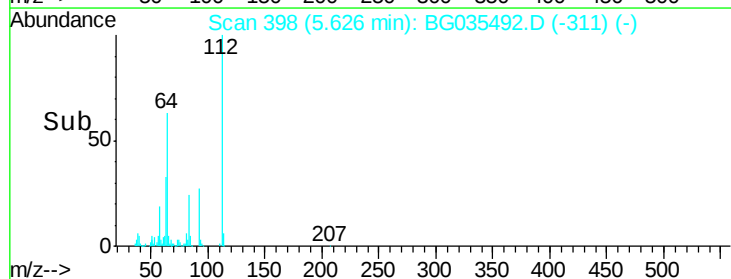
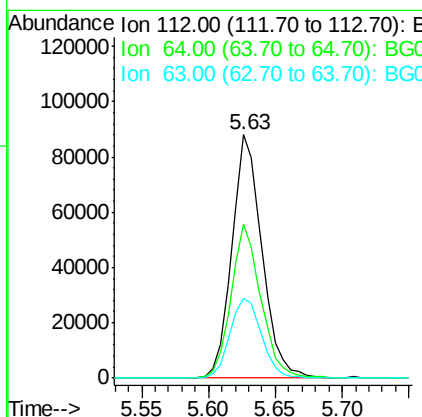
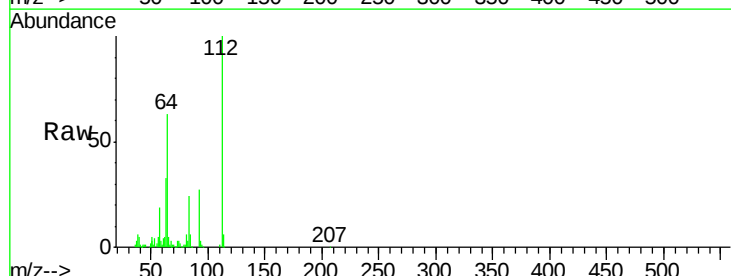
Tgt Ion:152 Resp: 35705
Ion Ratio Lower Upper
152 100
150 144.4 126.6 189.8
115 62.3 53.0 79.4

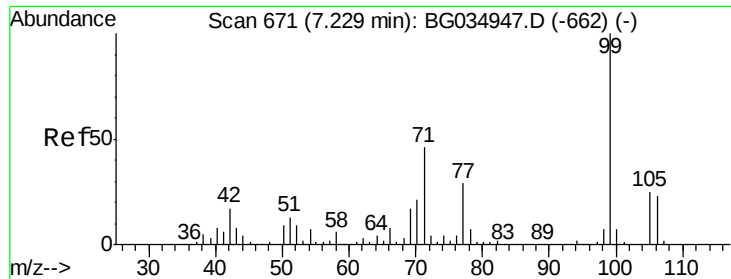


#5

2-Fluorophenol
Concen: 65.462 ng
RT: 5.63 min Scan# 398
Delta R.T. -0.02 min
Lab File: BG035492.D
Acq: 29 Jun 2018 00:10

Tgt Ion:112 Resp: 138500
Ion Ratio Lower Upper
112 100
64 63.2 56.3 84.5
63 32.7 30.1 45.1





#7

Phenol-d6

Concen: 40.080 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.02 min

Lab File: BG035492.D

Acq: 29 Jun 2018 00:10

Instrument :

BNA_G

ClientSampleId :

GUN-HILL-FIELD-BLANK-2-6-22-18

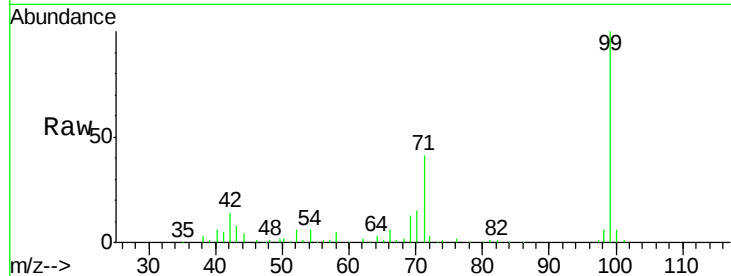
Tgt Ion: 99 Resp: 125157

Ion Ratio Lower Upper

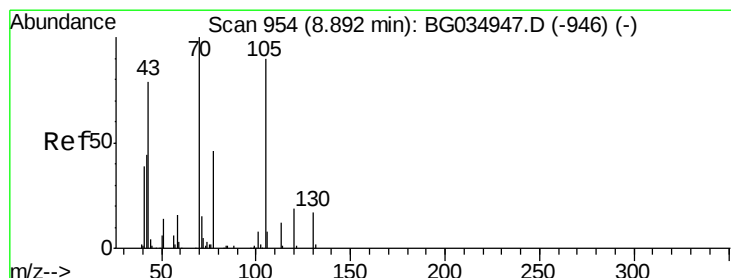
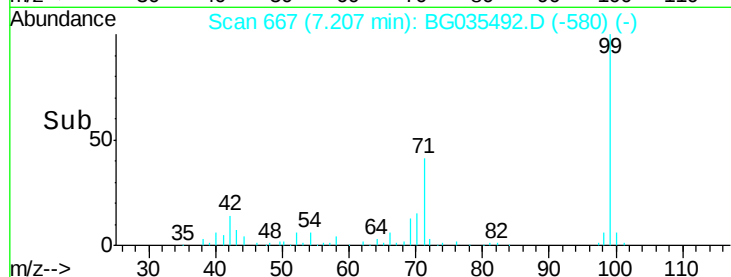
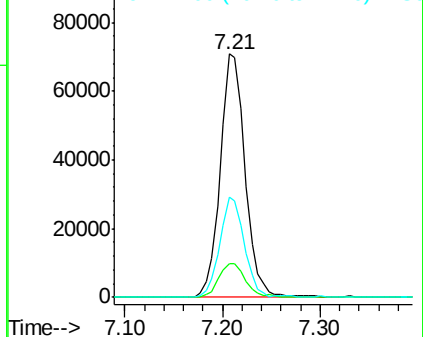
99 100

42 13.7 14.1 21.1#

71 41.1 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: 16.703 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.33 min

Lab File: BG035492.D

Acq: 29 Jun 2018 00:10

Tgt Ion: 70 Resp: 44311

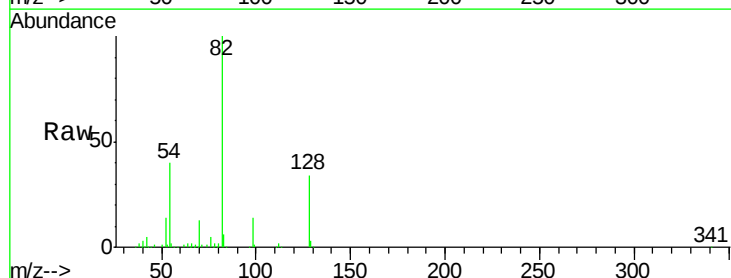
Ion Ratio Lower Upper

70 100

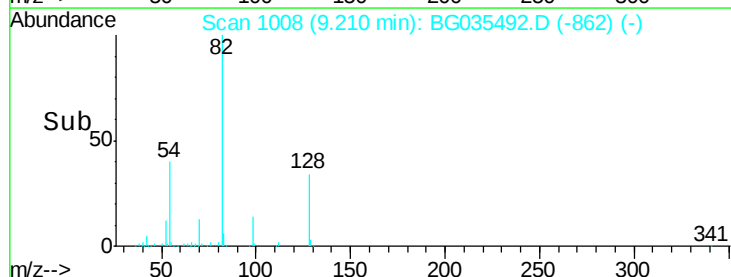
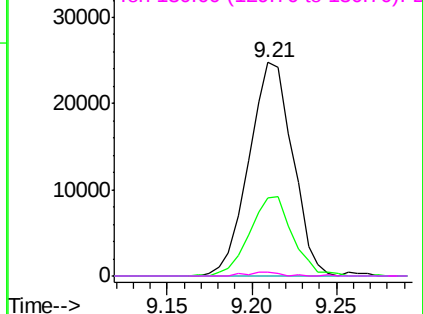
42 36.8 49.1 73.7#

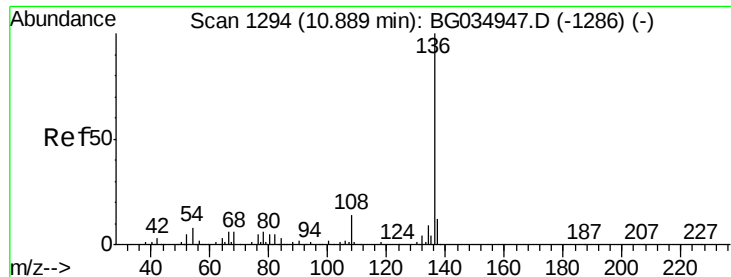
101 0.0 8.5 12.7#

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

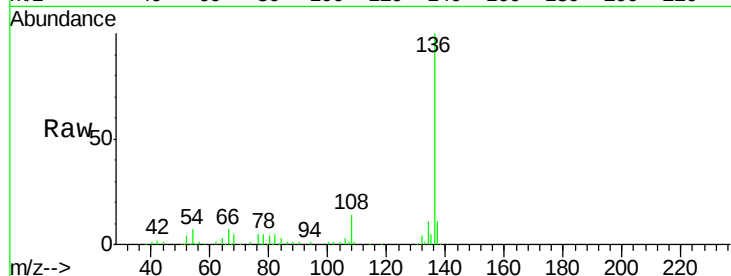




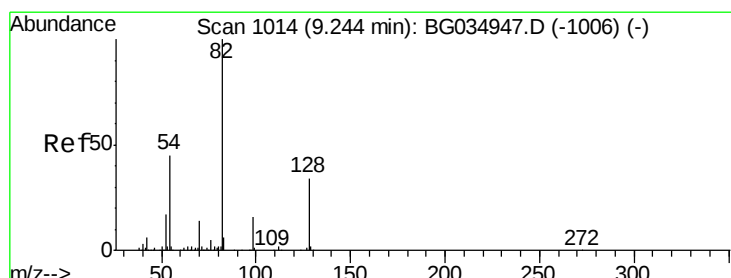
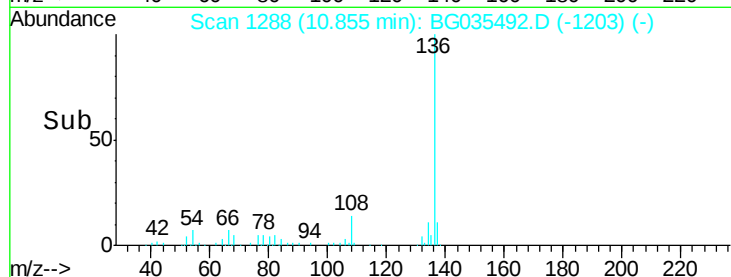
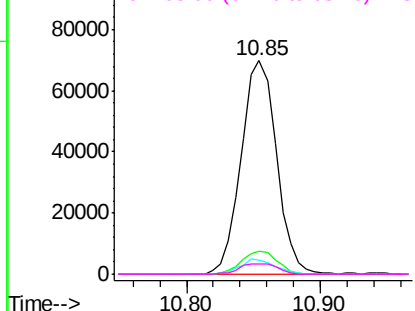
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1288
Delta R.T. -0.03 min
Lab File: BG035492.D
Acq: 29 Jun 2018 00:10

Instrument :
BNA_G
ClientSampleId :
GUN-HILL-FIELD-BLANK-2-6-22-18

Tgt Ion:	136	Resp:	128404
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	6.8	10.3	15.5#
68	4.9	4.5	6.7

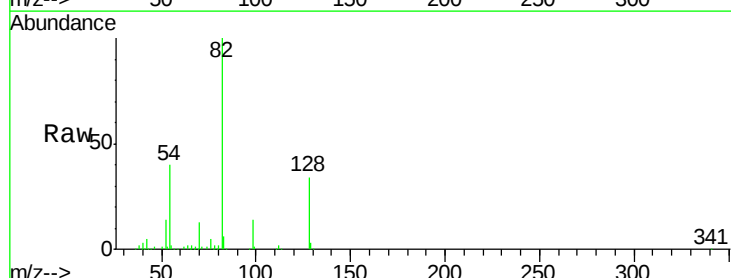


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

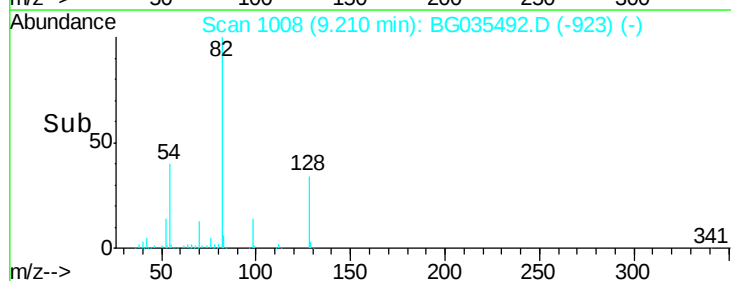
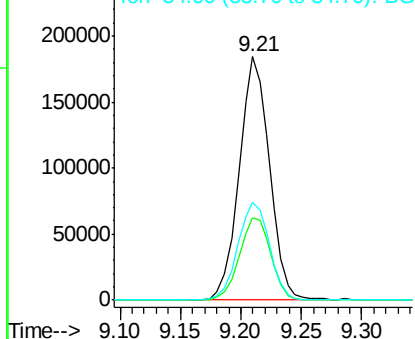


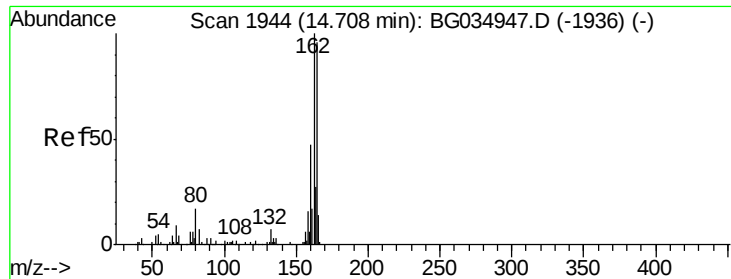
#23
Nitrobenzene-d5
Concen: 119.490 ng
RT: 9.21 min Scan# 1008
Delta R.T. -0.03 min
Lab File: BG035492.D
Acq: 29 Jun 2018 00:10

Tgt Ion:	82	Resp:	322776
Ion	Ratio	Lower	Upper
82	100		
128	33.8	29.7	44.5
54	40.2	43.1	64.7#



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

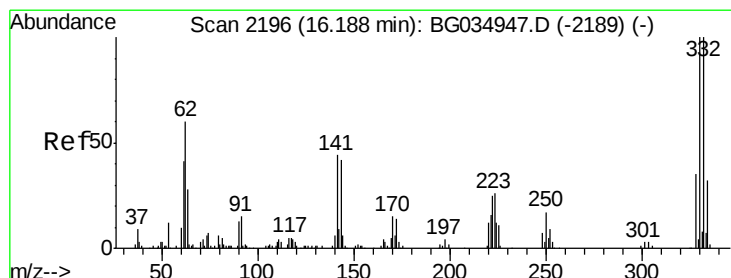
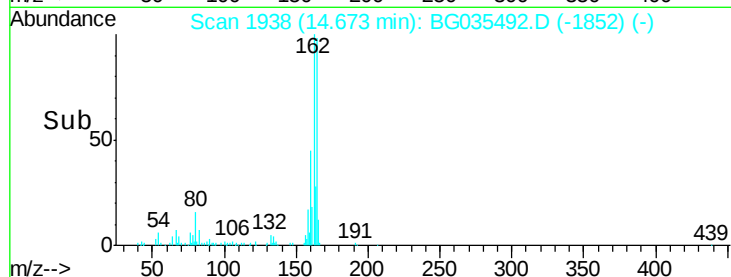
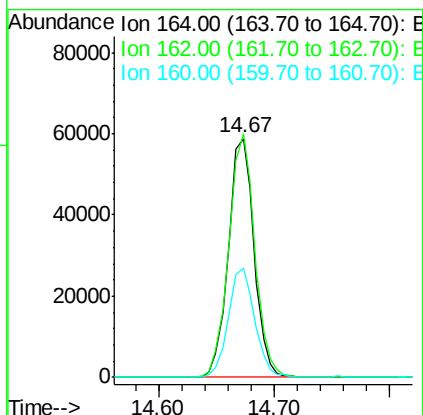
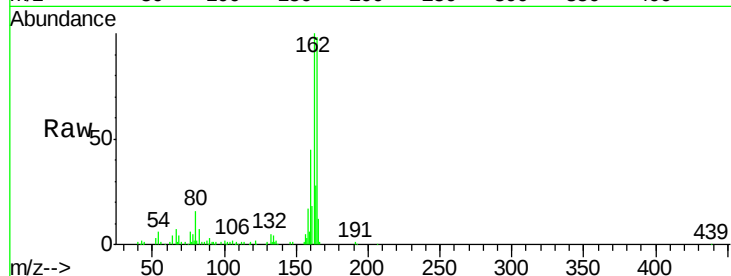




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1938
Delta R.T. -0.02 min
Lab File: BG035492.D
Acq: 29 Jun 2018 00:10

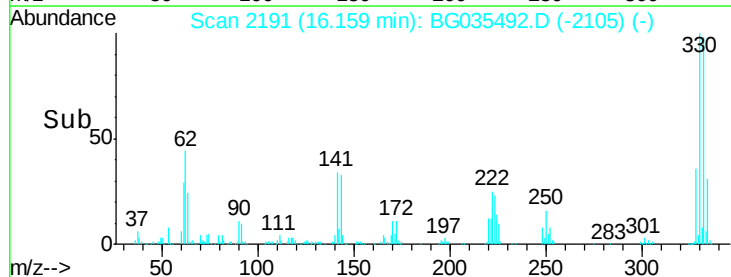
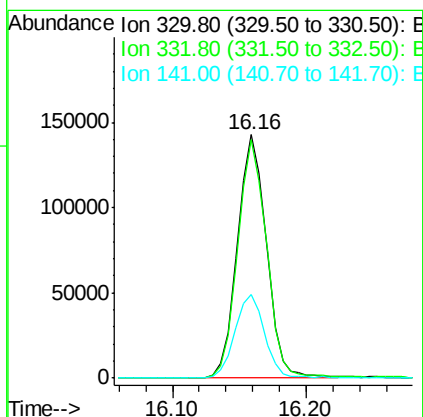
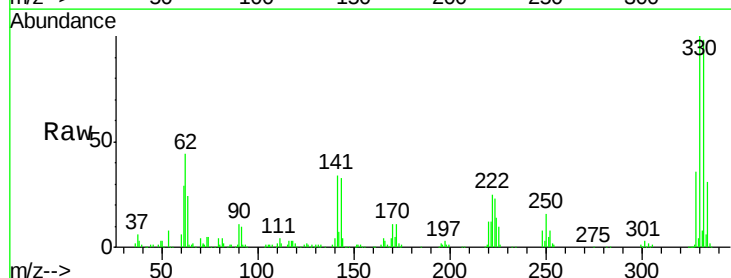
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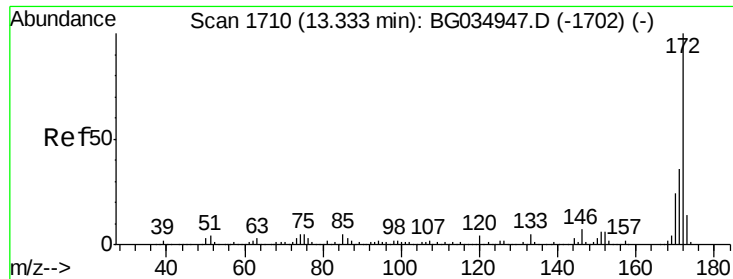
Tgt Ion:164 Resp: 90622
Ion Ratio Lower Upper
164 100
162 102.0 78.8 118.2
160 45.6 35.4 53.0



#41
2,4,6-Tribromophenol
Concen: 185.605 ng
RT: 16.16 min Scan# 2191
Delta R.T. -0.02 min
Lab File: BG035492.D
Acq: 29 Jun 2018 00:10

Tgt Ion:330 Resp: 215316
Ion Ratio Lower Upper
330 100
332 97.1 77.0 115.6
141 34.9 25.2 37.8

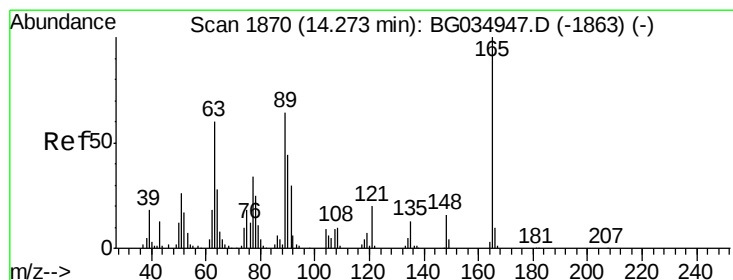
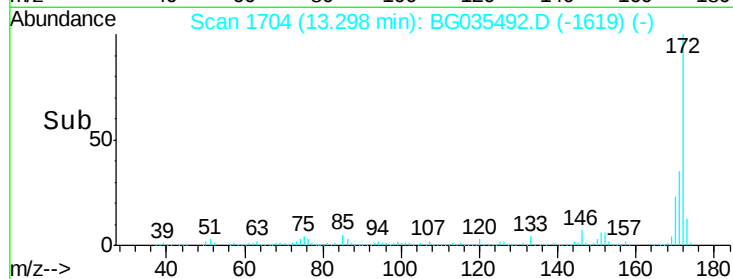
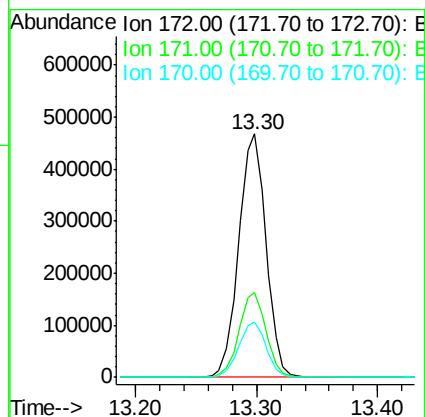
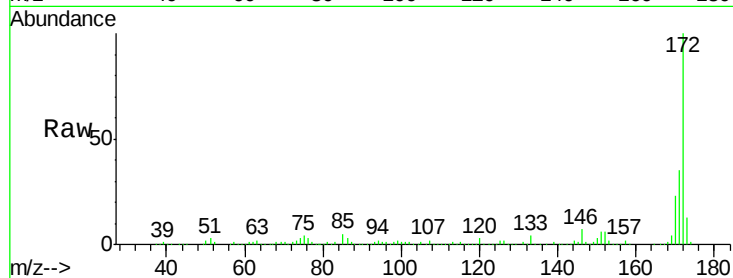




#44
 2-Fluorobiphenyl
 Concen: 105.755 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.03 min
 Lab File: BG035492.D
 Acq: 29 Jun 2018 00:10

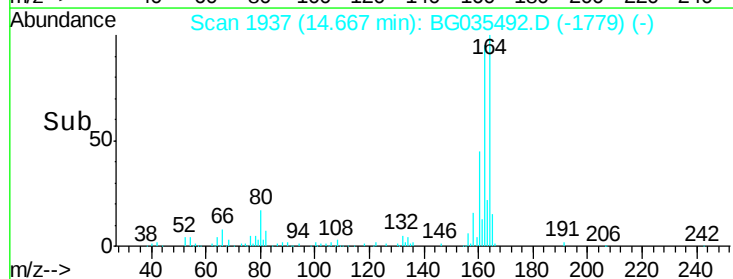
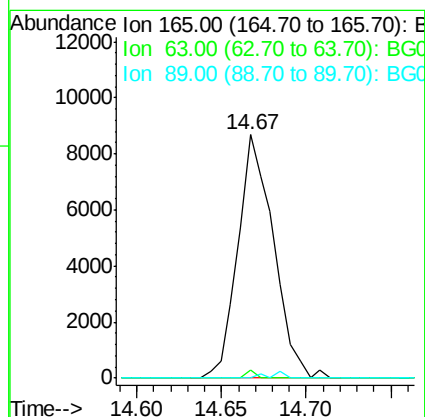
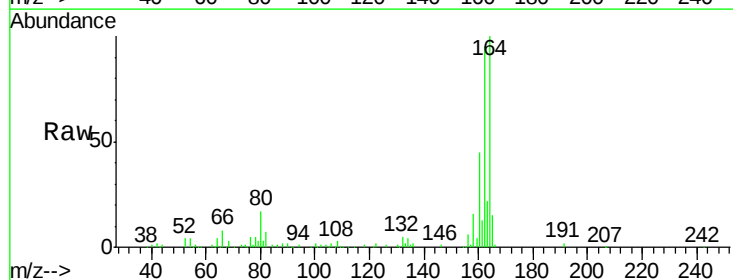
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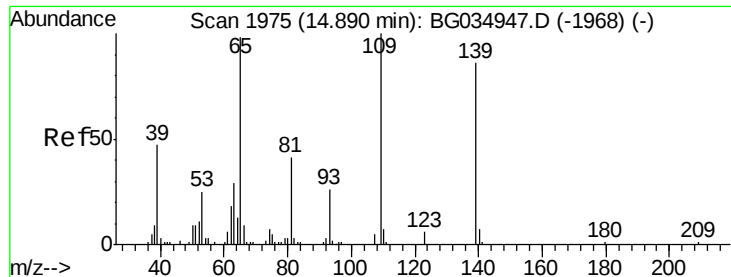
Tgt Ion:172 Resp: 737215
 Ion Ratio Lower Upper
 172 100
 171 34.7 30.0 45.0
 170 22.7 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 8.830 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. 0.40 min
 Lab File: BG035492.D
 Acq: 29 Jun 2018 00:10

Tgt Ion:165 Resp: 12730
 Ion Ratio Lower Upper
 165 100
 63 3.2 52.7 79.1#
 89 0.0 49.2 73.8#





#55

4-Nitrophenol

Concen: 2.401 ng

RT: 14.91 min Scan# 1978

Delta R.T. 0.02 min

Lab File: BG035492.D

Acq: 29 Jun 2018 00:10

Instrument :

BNA_G

ClientSampleId :

GUN-HILL-FIELD-BLANK-2-6-22-18

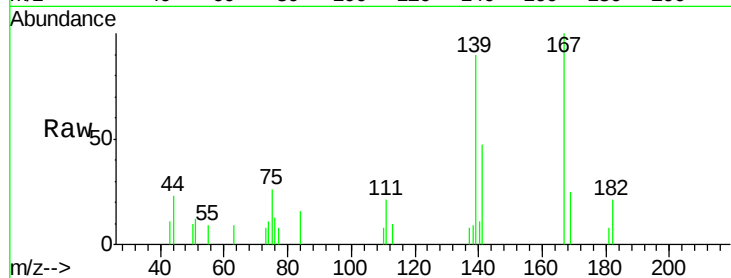
Tgt Ion:139 Resp: 2867

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

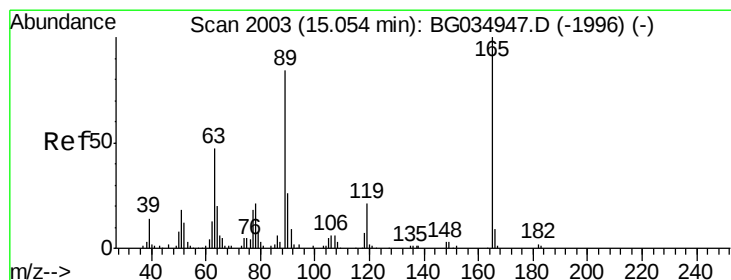
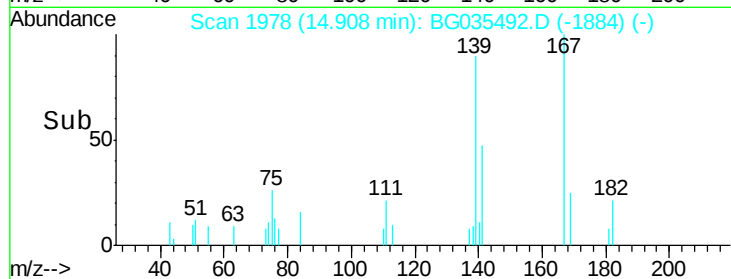
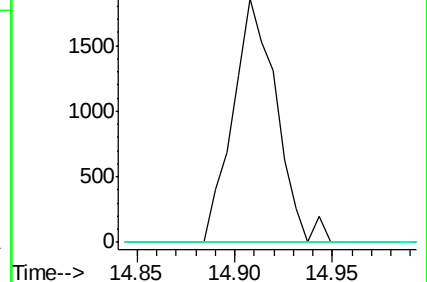
65 0.0 97.2 137.2#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#56

2,4-Dinitrotoluene

Concen: 6.647 ng

RT: 14.67 min Scan# 1937

Delta R.T. -0.38 min

Lab File: BG035492.D

Acq: 29 Jun 2018 00:10

Tgt Ion:165 Resp: 12730

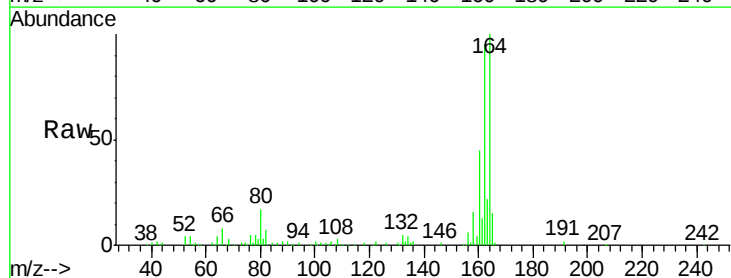
Ion Ratio Lower Upper

165 100

63 3.2 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

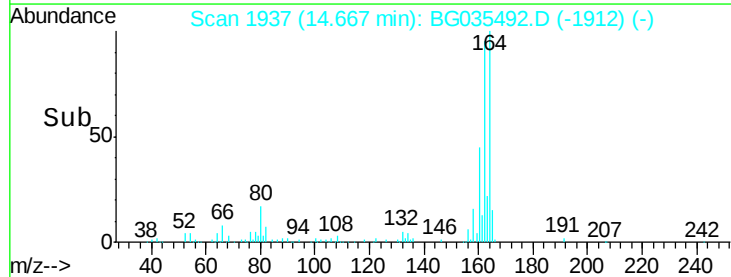
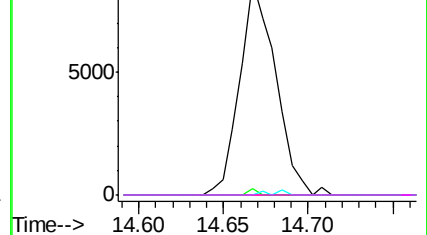


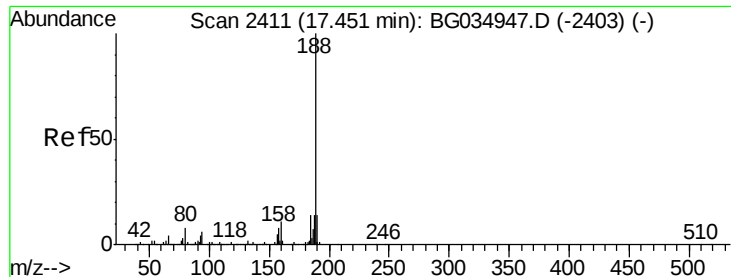
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.42 min Scan# 2405

Delta R.T. -0.02 min

Lab File: BG035492.D

Acq: 29 Jun 2018 00:10

Instrument :

BNA_G

ClientSampleId :

GUN-HILL-FIELD-BLANK-2-6-22-18

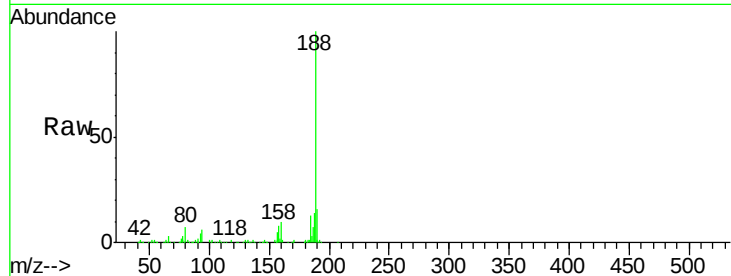
Tgt Ion:188 Resp: 246197

Ion Ratio Lower Upper

188 100

94 6.2 6.9 10.3#

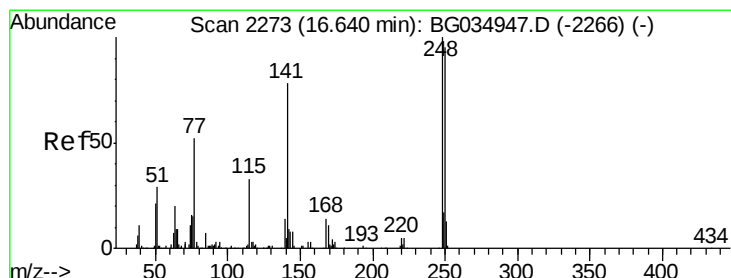
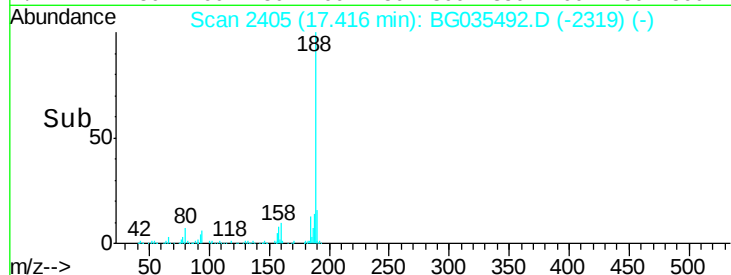
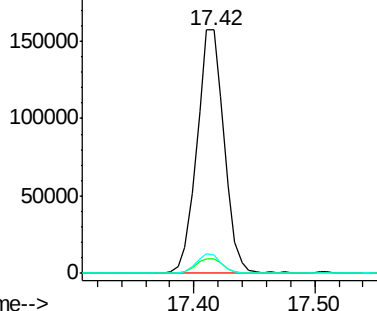
80 7.4 7.7 11.5#



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: 5.540 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.48 min

Lab File: BG035492.D

Acq: 29 Jun 2018 00:10

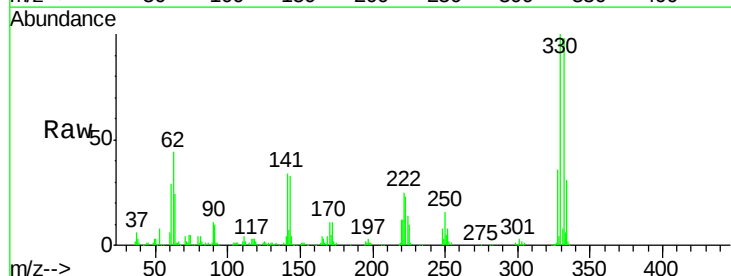
Tgt Ion:248 Resp: 16425

Ion Ratio Lower Upper

248 100

250 204.8 77.1 115.7#

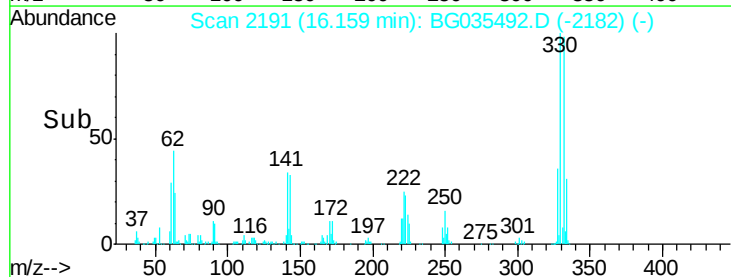
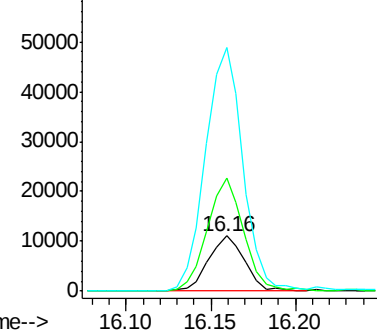
141 442.9 50.8 76.2#

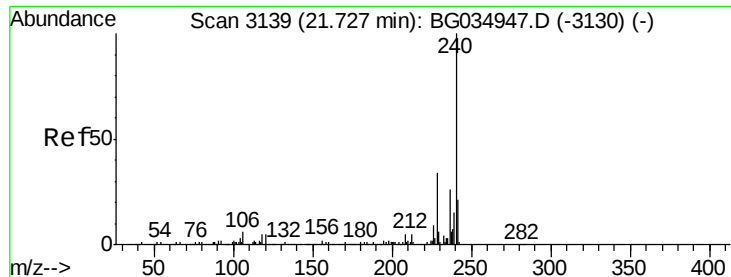


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.68 min Scan# 3131

Delta R.T. -0.04 min

Lab File: BG035492.D

Acq: 29 Jun 2018 00:10

Instrument :

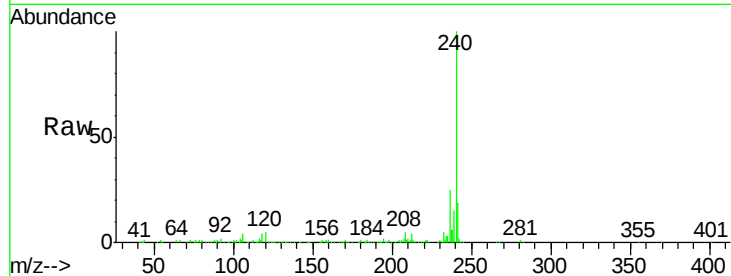
BNA_G

ClientSampleId :

GUN-HILL-FIELD-BLANK-2-6-22-18

Tgt Ion:240 Resp: 267227

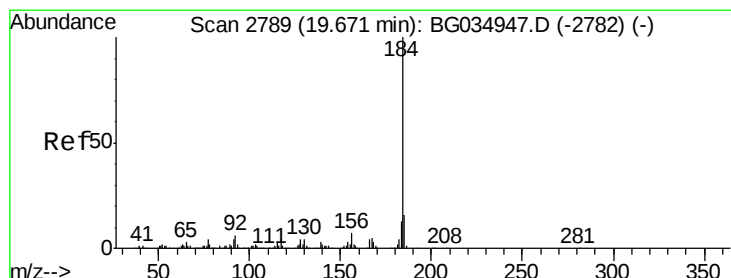
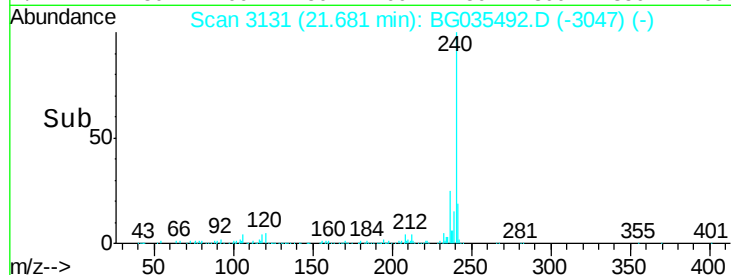
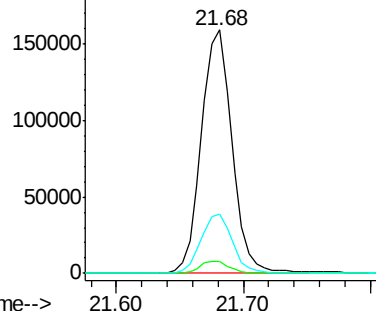
Ion	Ratio	Lower	Upper
240	100		
120	4.9	6.8	10.2#
236	24.6	20.9	31.3



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: 2.327 ng

RT: 20.02 min Scan# 2849

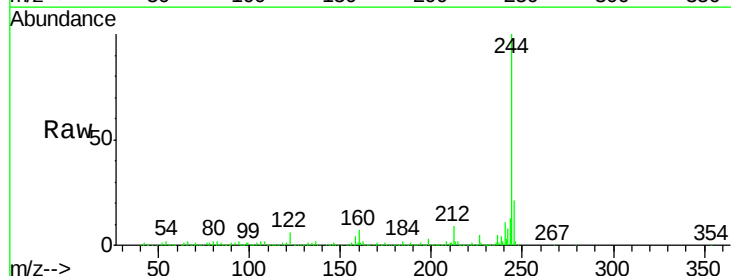
Delta R.T. 0.36 min

Lab File: BG035492.D

Acq: 29 Jun 2018 00:10

Tgt Ion:184 Resp: 23133

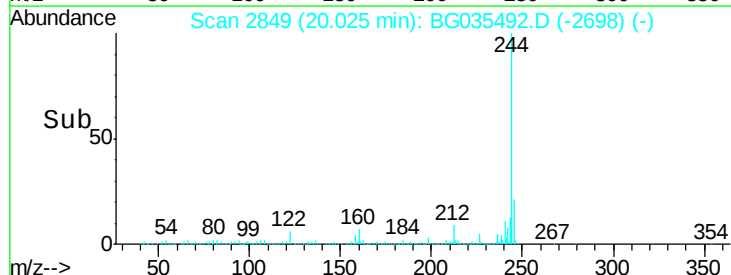
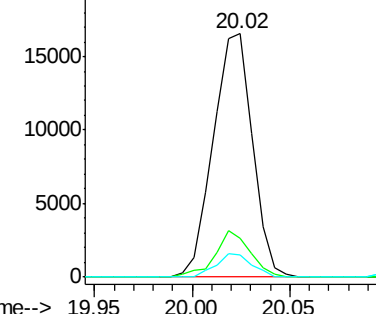
Ion	Ratio	Lower	Upper
184	100		
185	16.0	11.1	16.7
183	9.2	10.6	16.0#

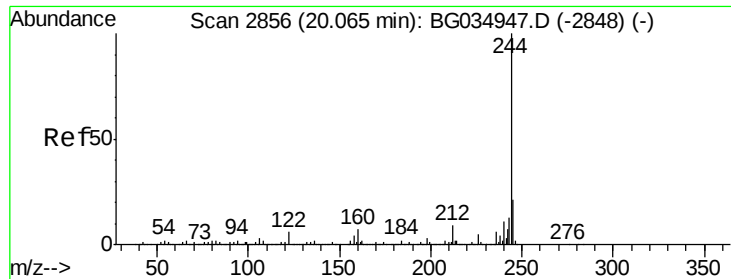


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 109.000 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.02 min

Lab File: BG035492.D

Acq: 29 Jun 2018 00:10

Instrument :

BNA_G

ClientSampleId :

GUN-HILL-FIELD-BLANK-2-6-22-18

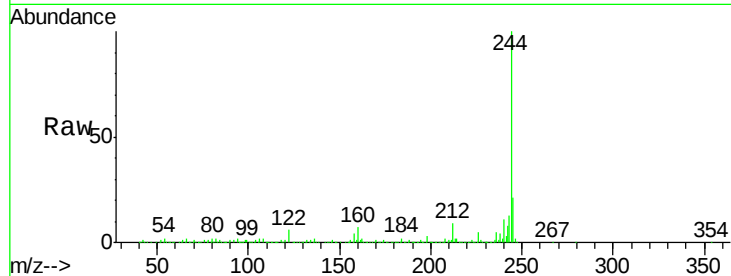
Tgt Ion:244 Resp: 1390557

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

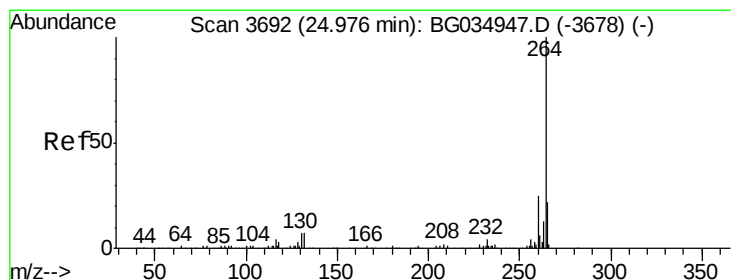
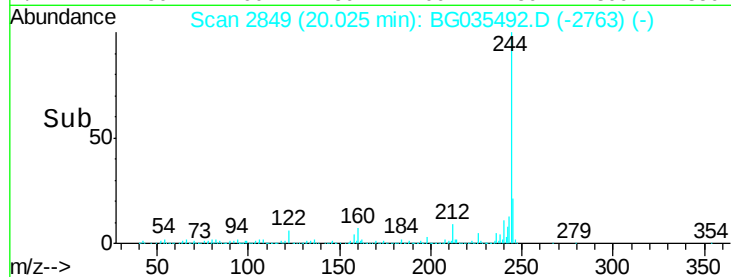
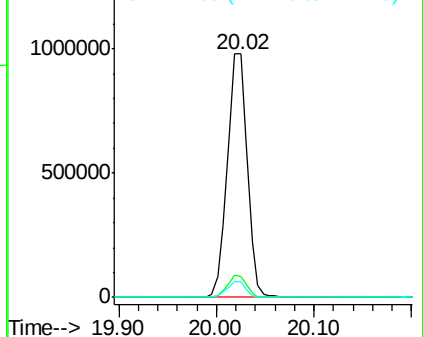
122 6.3 7.0 10.4#



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: 24.89 min Scan# 3678

Delta R.T. -0.06 min

Lab File: BG035492.D

Acq: 29 Jun 2018 00:10

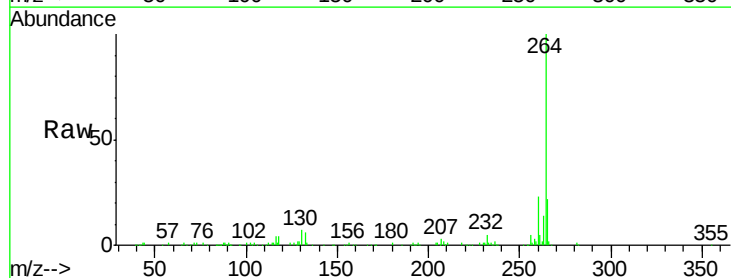
Tgt Ion:264 Resp: 248810

Ion Ratio Lower Upper

264 100

260 22.9 17.4 26.0

265 21.9 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

