

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071718\
 Data File : BG035694.D
 Acq On : 17 Jul 2018 22:29
 Operator : JU/SJ
 Sample : J3997-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-H-S

Quant Time: Jul 18 01:11:39 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 12 14:43:32 2018
 Response via : Initial Calibration

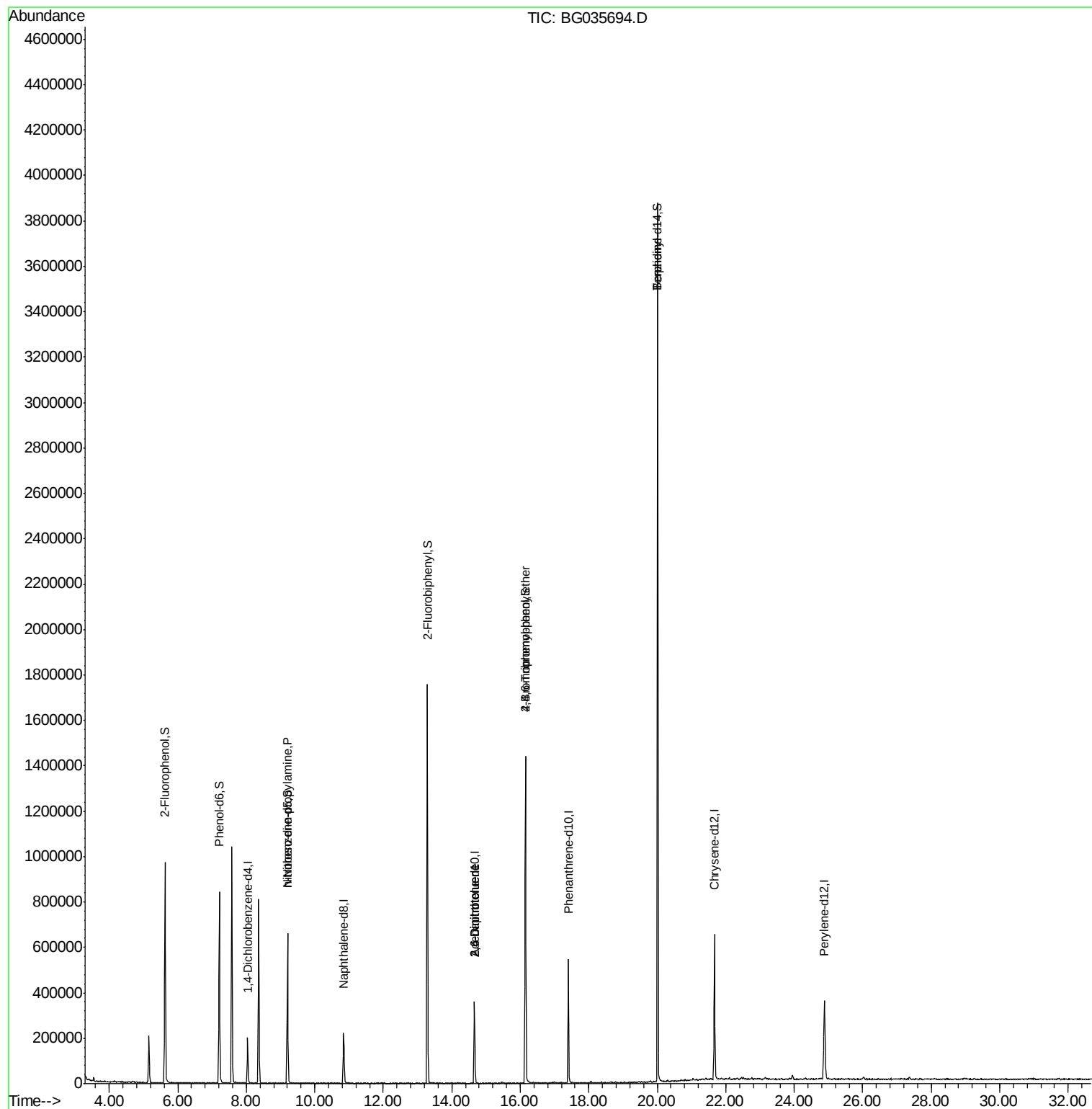
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	53852	20.00	ng	-0.02
21) Naphthalene-d8	10.84	136	192032	20.00	ng	-0.02
38) Acenaphthene-d10	14.66	164	129265	20.00	ng	-0.02
63) Phenanthrene-d10	17.41	188	351809	20.00	ng	-0.01
75) Chrysene-d12	21.67	240	409652	20.00	ng	-0.02
86) Perylene-d12	24.88	264	391387	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	416566	128.43	ng	0.00
7) Phenol-d6	7.21	99	516217	106.67	ng	0.00
23) Nitrobenzene-d5	9.20	82	448854	97.64	ng	-0.02
41) 2,4,6-Tribromophenol	16.15	330	271595	159.41	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	947898	98.24	ng	-0.02
78) Terphenyl-d14	20.01	244	1793239	96.49	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	63222	15.514	ng	# 67
50) 2,6-Dinitrotoluene	14.66	165	17668	7.661	ng	# 20
56) 2,4-Dinitrotoluene	14.66	165	17668	5.340	ng	# 18
66) 4-Bromophenyl-phenylether	16.15	248	21873	5.359	ng	# 1
76) Benzidine	20.02	184	33731	3.132	ng	# 91

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

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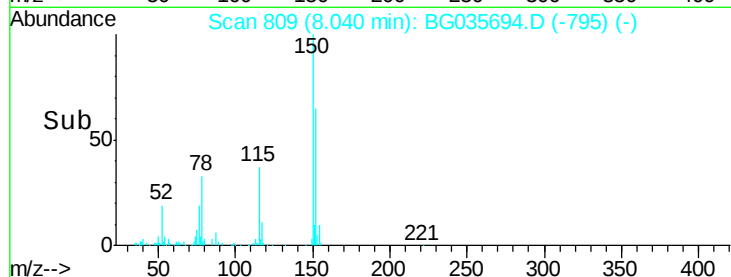
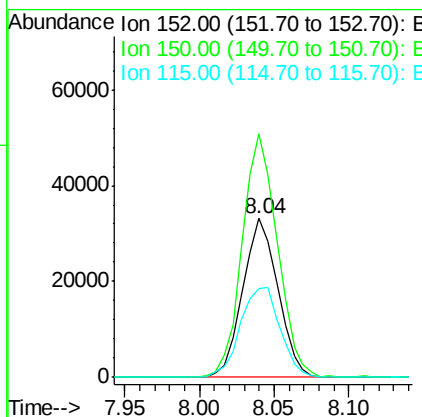
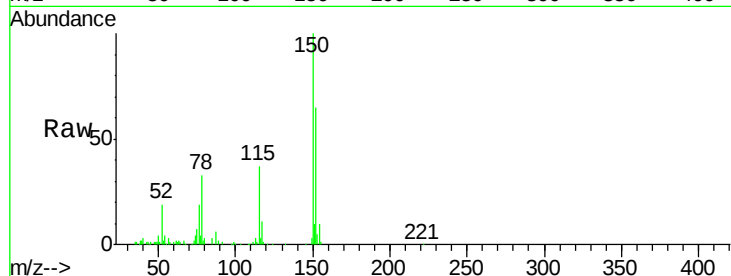


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 809
Delta R.T. -0.02 min
Lab File: BG035694.D
Acq: 17 Jul 2018 22:29

Instrument :
BNA_G
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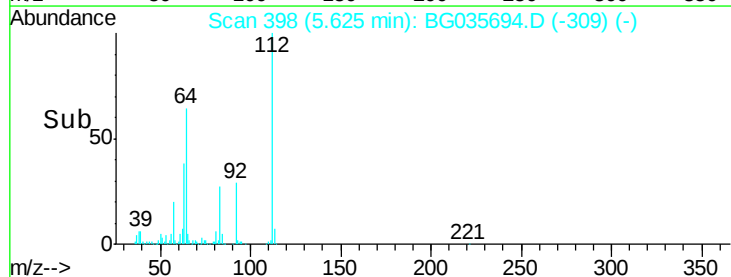
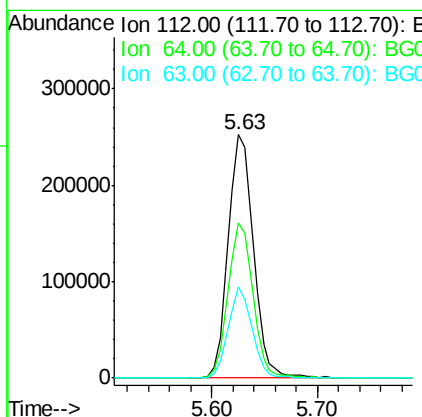
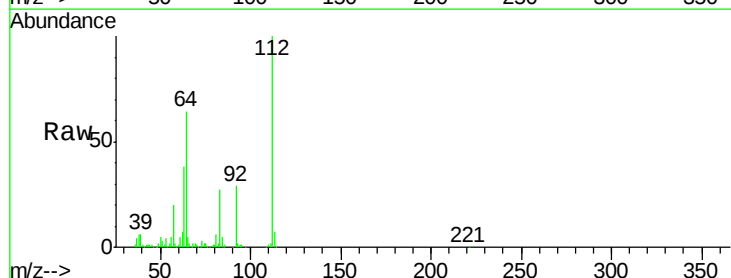
Tgt Ion:152 Resp: 53852
Ion Ratio Lower Upper
152 100
150 153.2 126.6 189.8
115 56.1 53.0 79.4

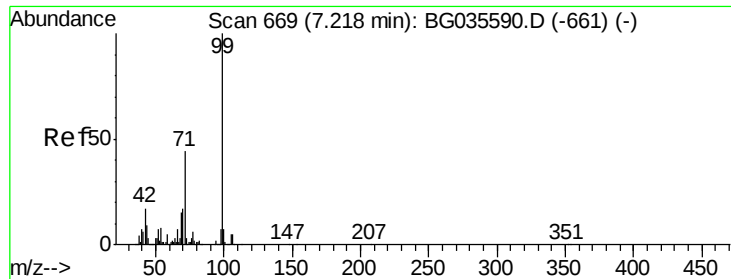


#5

2-Fluorophenol
Concen: 128.426 ng
RT: 5.63 min Scan# 398
Delta R.T. -0.01 min
Lab File: BG035694.D
Acq: 17 Jul 2018 22:29

Tgt Ion:112 Resp: 416566
Ion Ratio Lower Upper
112 100
64 63.5 56.3 84.5
63 37.7 30.1 45.1





#7

Phenol-d6

Concen: 106.668 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035694.D

Acq: 17 Jul 2018 22:29

Instrument :

BNA_G

ClientSampleId :

TP-H-S

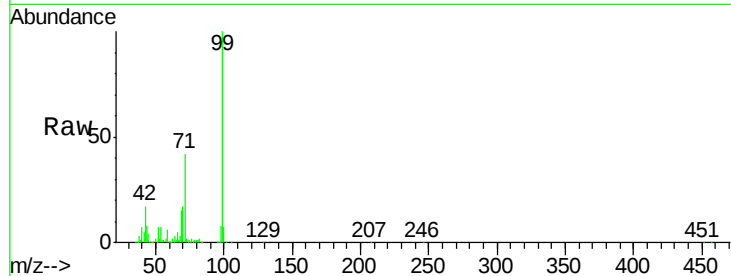
Tgt Ion: 99 Resp: 516217

Ion Ratio Lower Upper

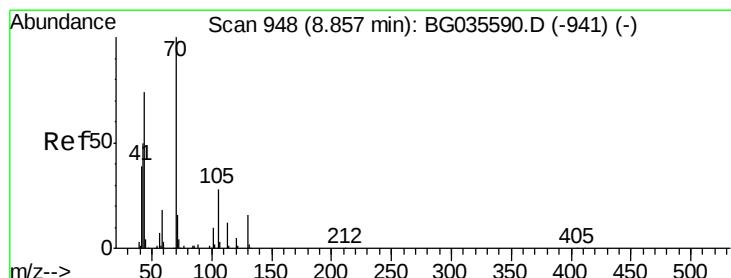
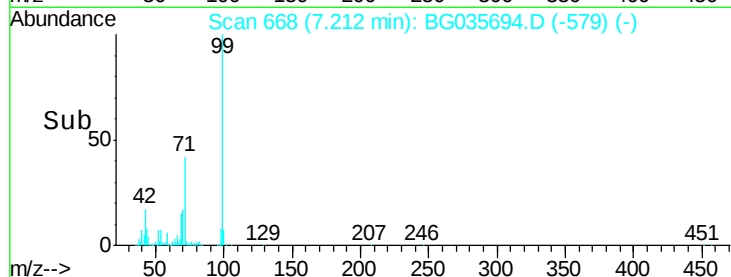
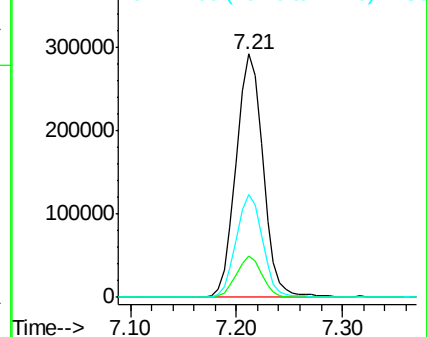
99 100

42 17.0 14.1 21.1

71 42.3 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: 15.514 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.34 min

Lab File: BG035694.D

Acq: 17 Jul 2018 22:29

Tgt Ion: 70 Resp: 63222

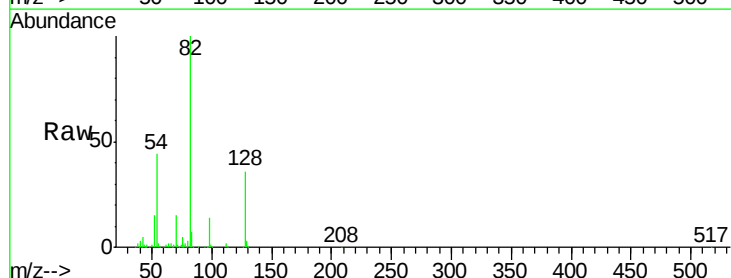
Ion Ratio Lower Upper

70 100

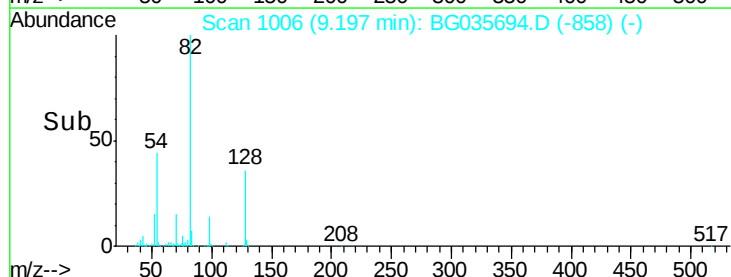
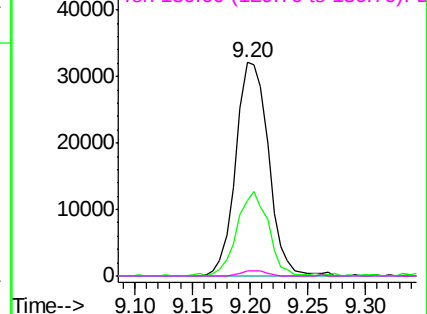
42 35.5 49.1 73.7#

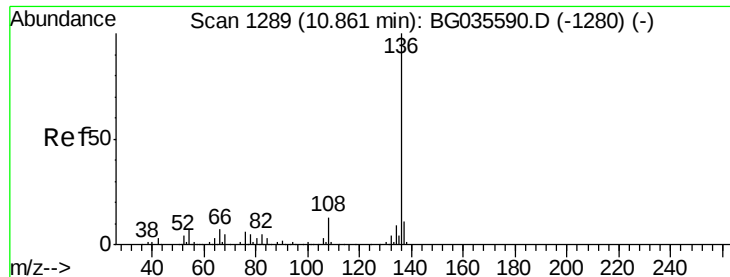
101 0.0 8.5 12.7#

130 2.7 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

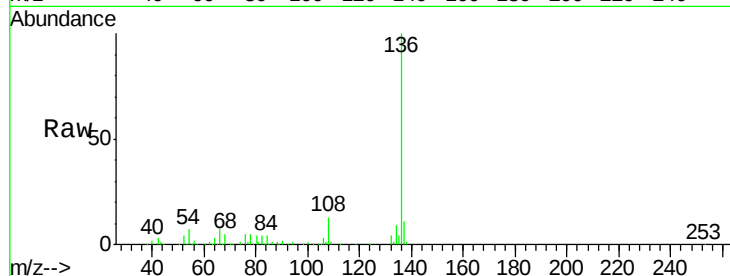




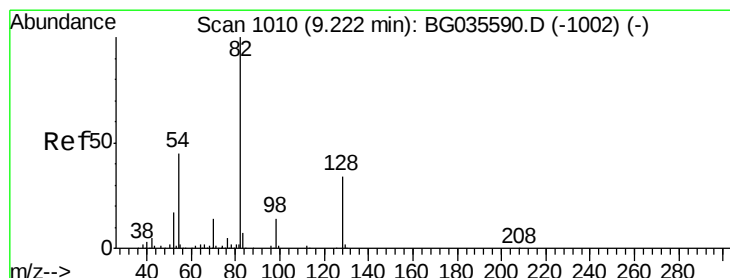
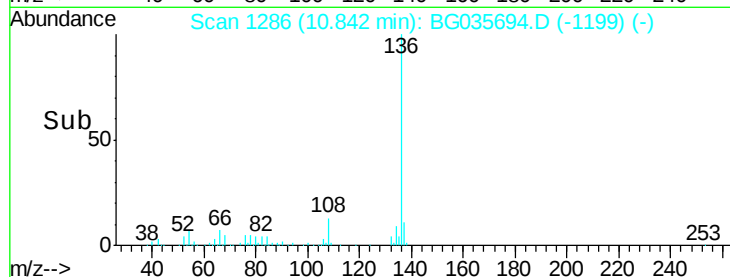
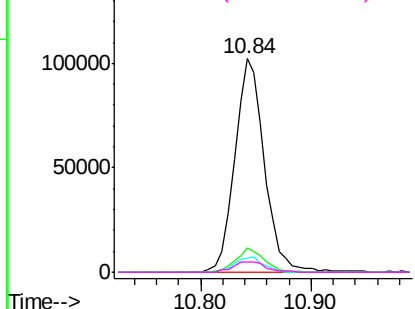
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.02 min
Lab File: BG035694.D
Acq: 17 Jul 2018 22:29

Instrument :
BNA_G
ClientSampleId :
TP-H-S

Tgt Ion:	136	Resp:	192032
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	6.7	10.3	15.5#
68	4.8	4.5	6.7

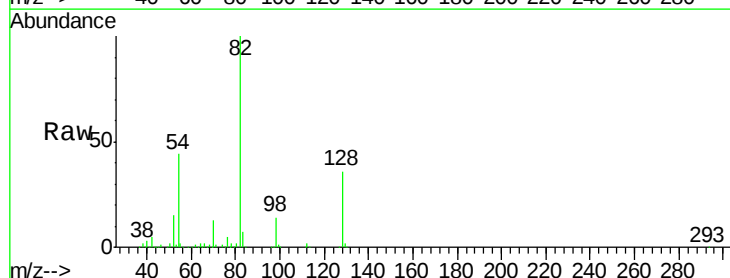


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

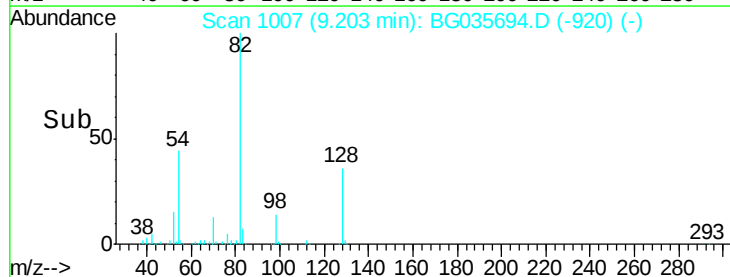
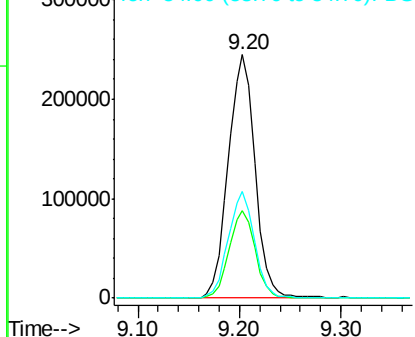


#23
Nitrobenzene-d5
Concen: 97.644 ng
RT: 9.20 min Scan# 1007
Delta R.T. -0.02 min
Lab File: BG035694.D
Acq: 17 Jul 2018 22:29

Tgt Ion:	82	Resp:	448854
Ion	Ratio	Lower	Upper
82	100		
128	35.8	29.7	44.5
54	43.6	43.1	64.7



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1936

Delta R.T. -0.02 min

Lab File: BG035694.D

Acq: 17 Jul 2018 22:29

Instrument :

BNA_G

ClientSampleId :

TP-H-S

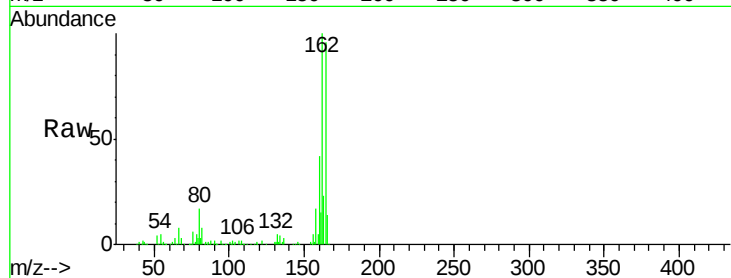
Tgt Ion:164 Resp: 129265

Ion Ratio Lower Upper

164 100

162 103.7 78.8 118.2

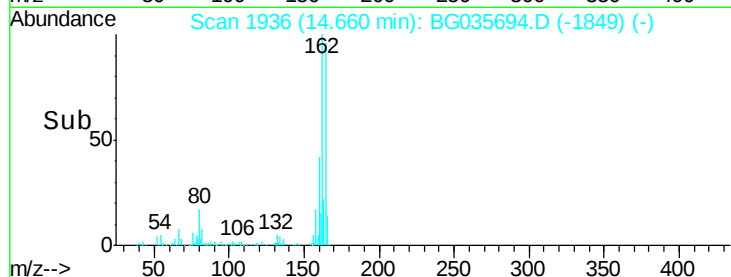
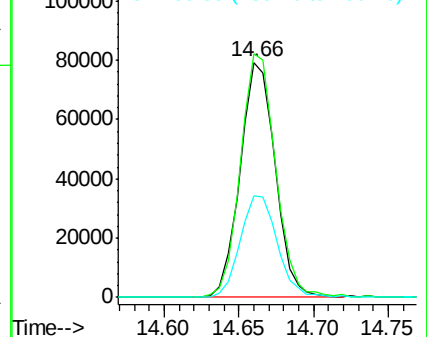
160 43.5 35.4 53.0



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: 159.406 ng

RT: 16.15 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG035694.D

Acq: 17 Jul 2018 22:29

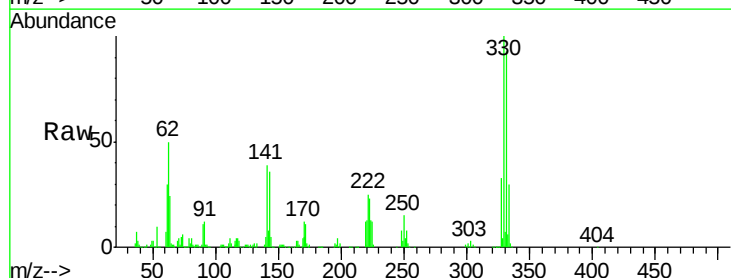
Tgt Ion:330 Resp: 271595

Ion Ratio Lower Upper

330 100

332 94.9 77.0 115.6

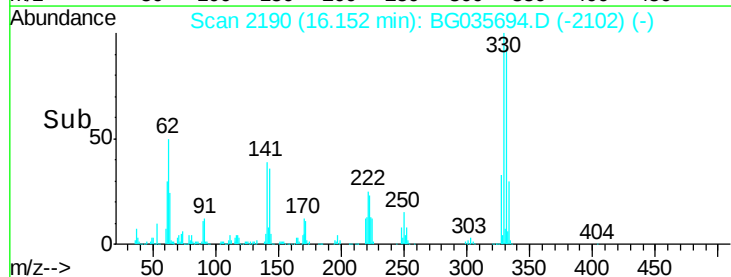
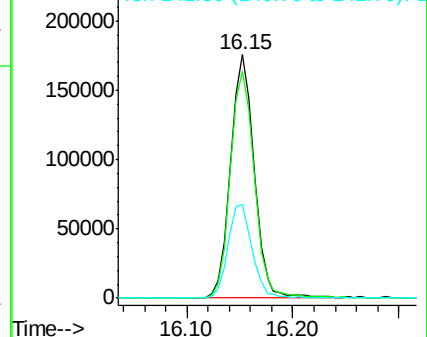
141 39.3 25.2 37.8#

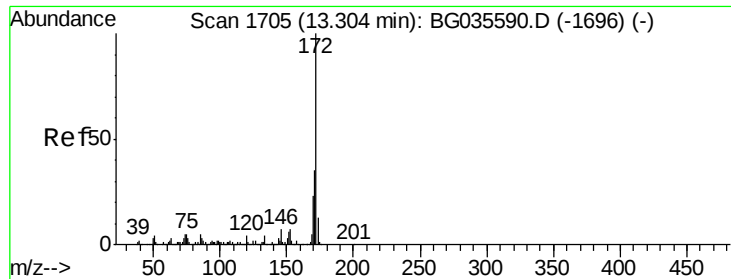


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

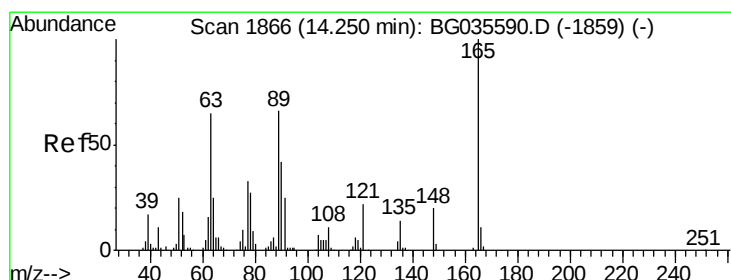
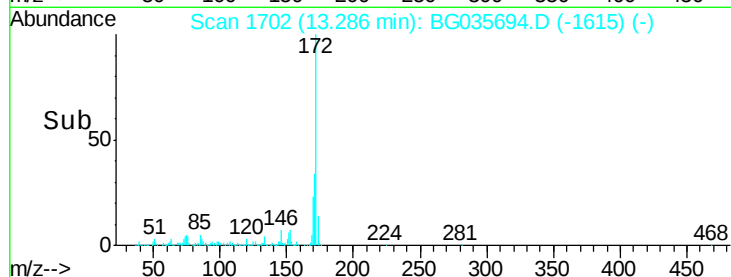
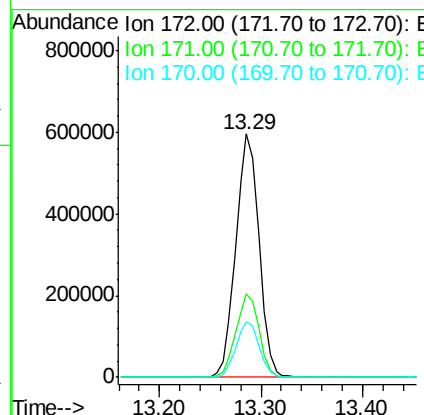
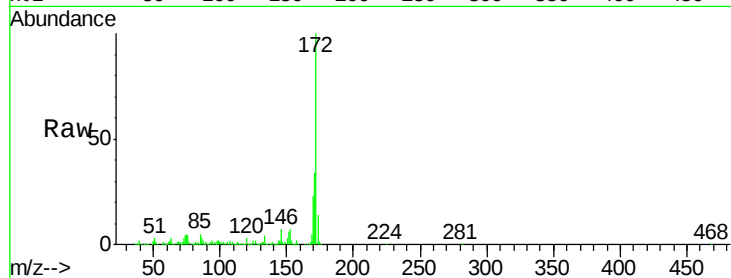




#44
 2-Fluorobiphenyl
 Concen: 98.243 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.02 min
 Lab File: BG035694.D
 Acq: 17 Jul 2018 22:29

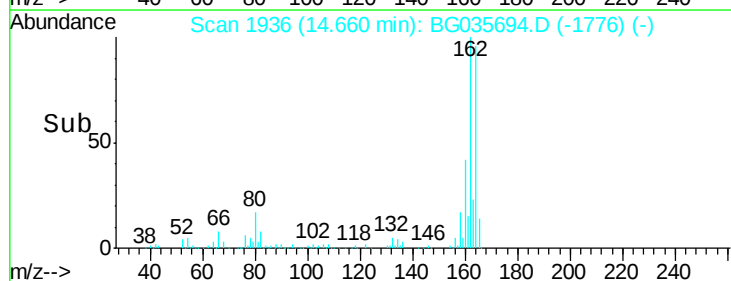
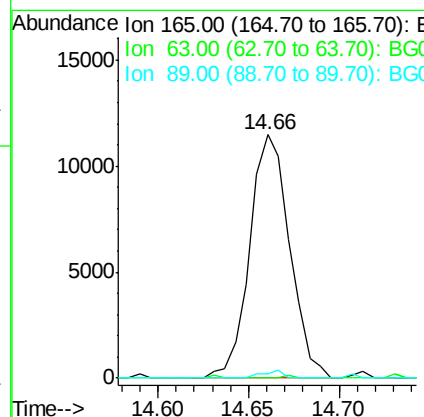
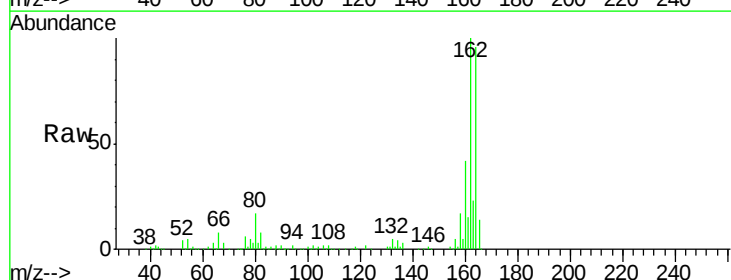
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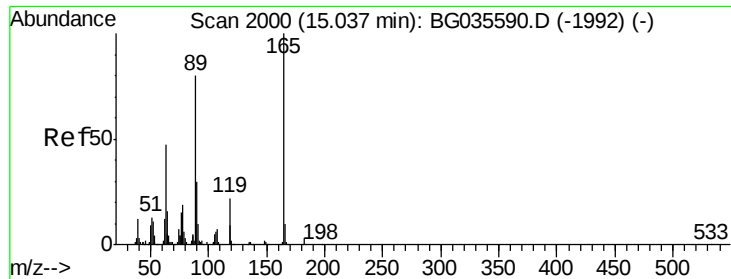
Tgt Ion:172 Resp: 947898
 Ion Ratio Lower Upper
 172 100
 171 34.2 30.0 45.0
 170 22.7 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.661 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. 0.41 min
 Lab File: BG035694.D
 Acq: 17 Jul 2018 22:29

Tgt Ion:165 Resp: 17668
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 2.0 49.2 73.8#

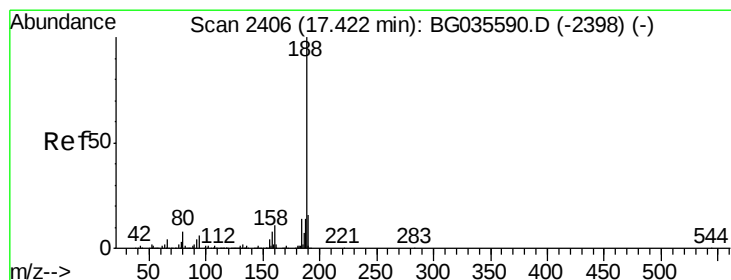
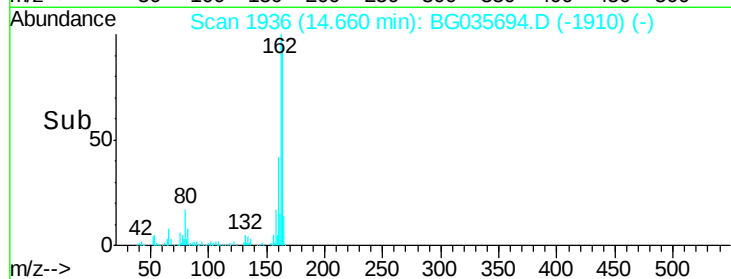
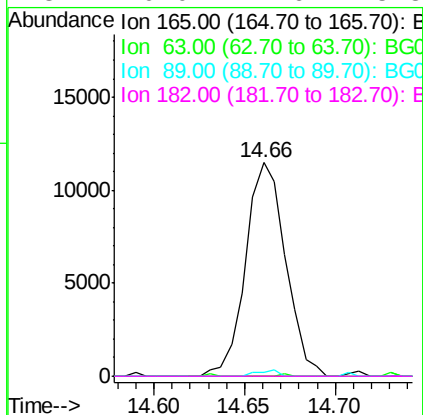
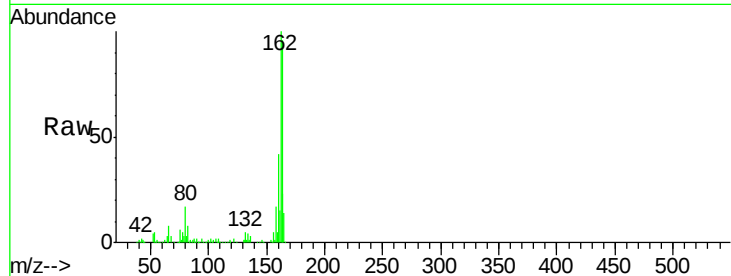




#56
 2,4-Dinitrotoluene
 Concen: 5.340 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. -0.38 min
 Lab File: BG035694.D
 Acq: 17 Jul 2018 22:29

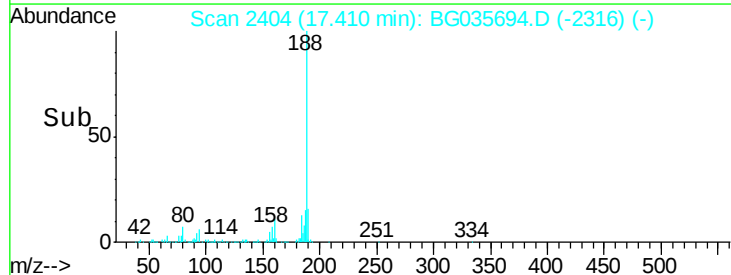
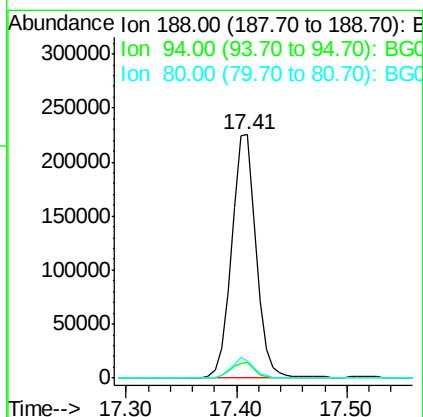
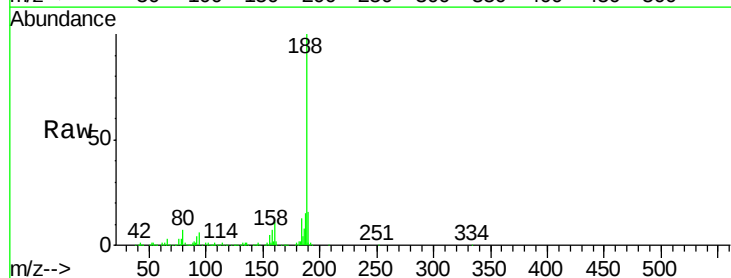
Instrument :
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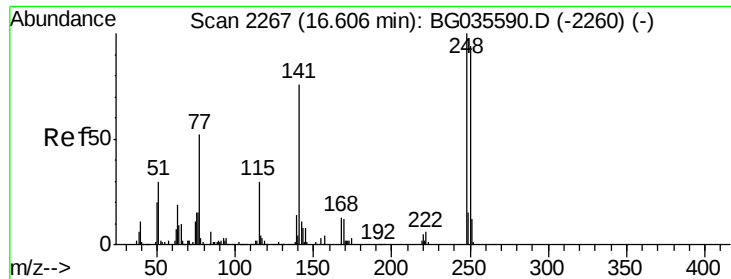
Tgt Ion:165 Resp: 17668
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 2.0 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2404
 Delta R.T. -0.01 min
 Lab File: BG035694.D
 Acq: 17 Jul 2018 22:29

Tgt Ion:188 Resp: 351809
 Ion Ratio Lower Upper
 188 100
 94 6.3 6.9 10.3#
 80 7.0 7.7 11.5#

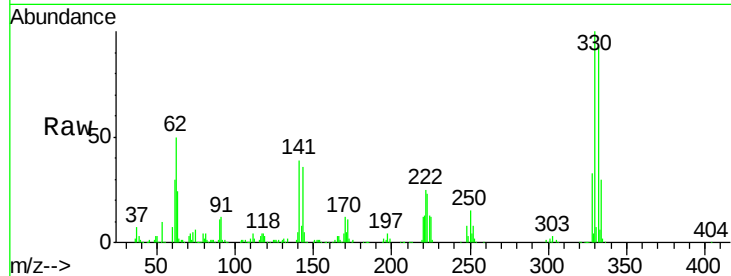




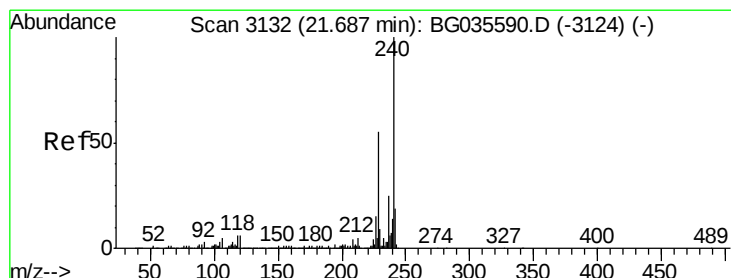
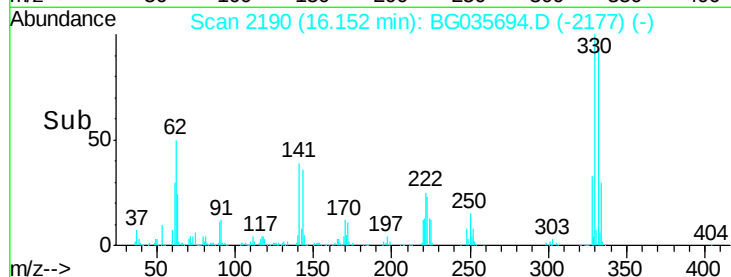
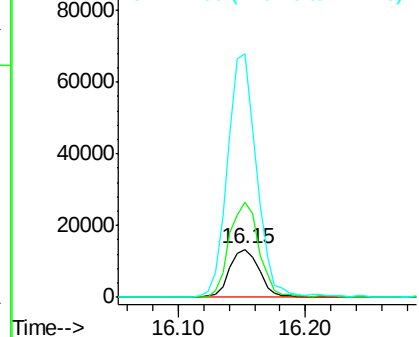
#66
 4-Bromophenyl-phenylether
 Concen: 5.359 ng
 RT: 16.15 min Scan# 2190
 Delta R.T. -0.45 min
 Lab File: BG035694.D
 Acq: 17 Jul 2018 22:29

Instrument :
 BNA_G
 ClientSampleId :
 TP-H-S

Tgt Ion:248 Resp: 21873
 Ion Ratio Lower Upper
 248 100
 250 197.9 77.1 115.7#
 141 508.3 50.8 76.2#

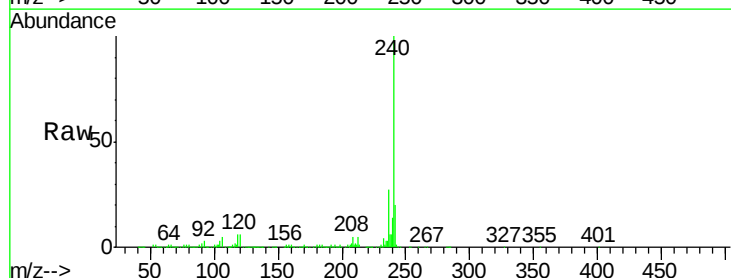


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

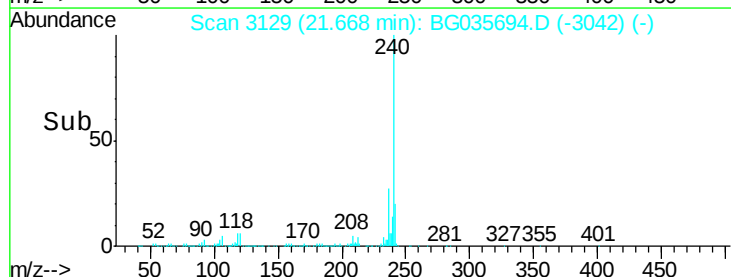
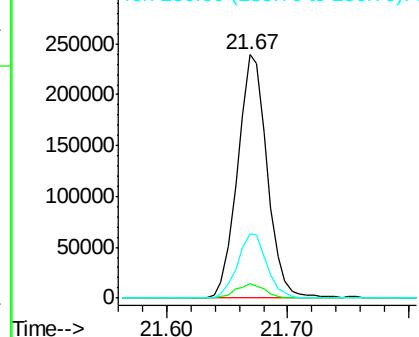


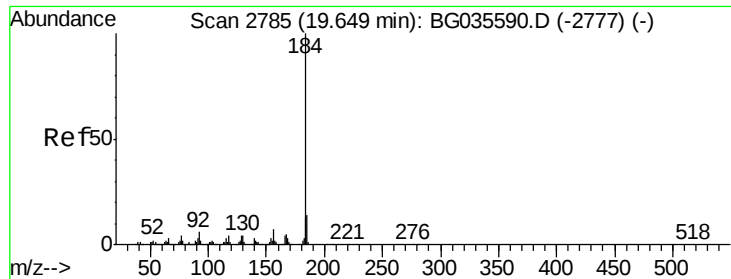
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3129
 Delta R.T. -0.02 min
 Lab File: BG035694.D
 Acq: 17 Jul 2018 22:29

Tgt Ion:240 Resp: 409652
 Ion Ratio Lower Upper
 240 100
 120 6.2 6.8 10.2#
 236 26.5 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: 3.132 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.37 min

Lab File: BG035694.D

Acq: 17 Jul 2018 22:29

Instrument :

BNA_G

ClientSampleId :

TP-H-S

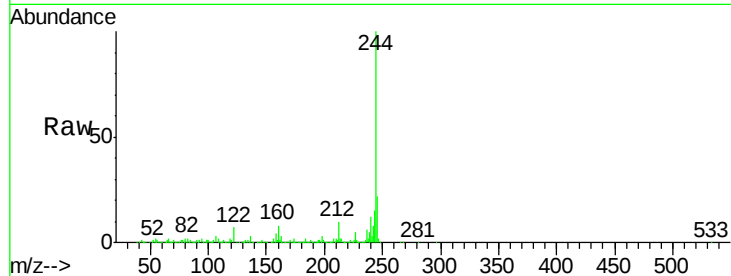
Tgt Ion:184 Resp: 33731

Ion Ratio Lower Upper

184 100

185 16.7 11.1 16.7#

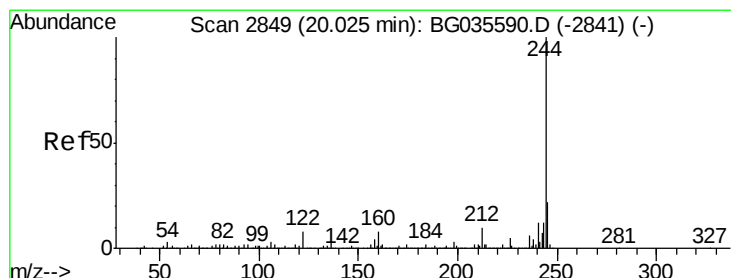
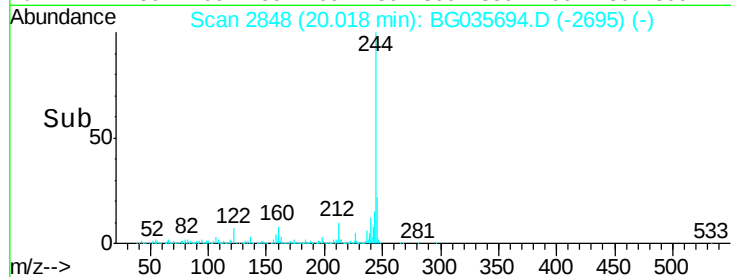
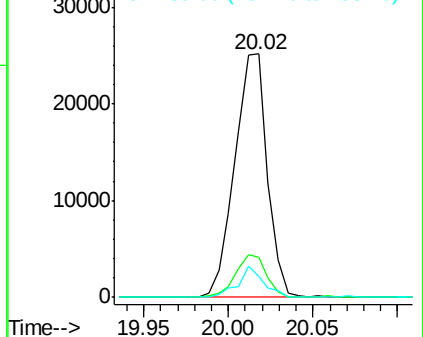
183 8.5 10.6 16.0#



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: 96.493 ng

RT: 20.01 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BG035694.D

Acq: 17 Jul 2018 22:29

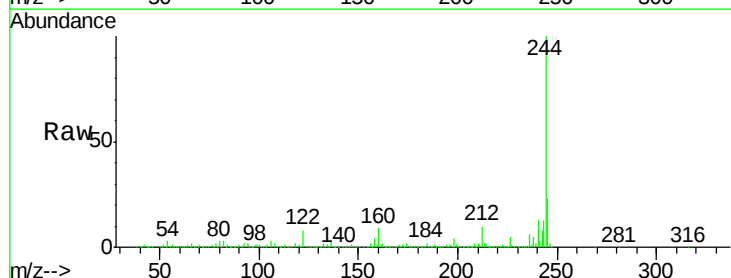
Tgt Ion:244 Resp: 1793239

Ion Ratio Lower Upper

244 100

212 10.3 5.8 8.8#

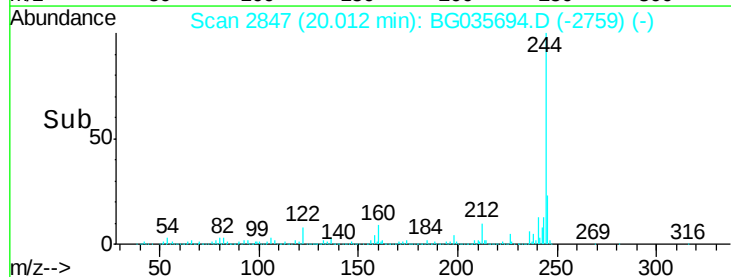
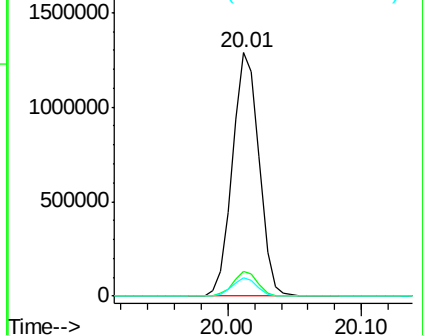
122 7.7 7.0 10.4

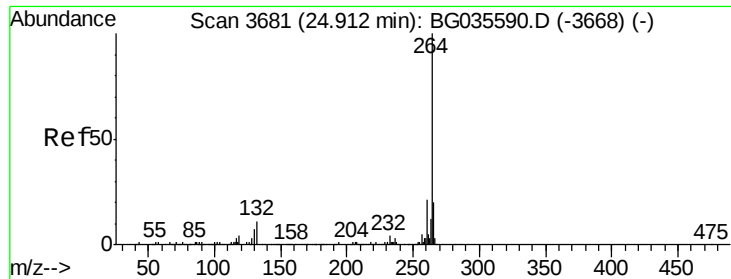


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3676
Delta R.T. -0.03 min
Lab File: BG035694.D
Acq: 17 Jul 2018 22:29

Instrument :
BNA_G
ClientSampleId :
TP-H-S

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.4	26.0
265	20.2	17.7	26.5

