

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071818\
 Data File : BG035747.D
 Acq On : 19 Jul 2018 10:47
 Operator : JU/SJ
 Sample : PB111228BL
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB111228BL

Quant Time: Jul 19 11:55:08 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

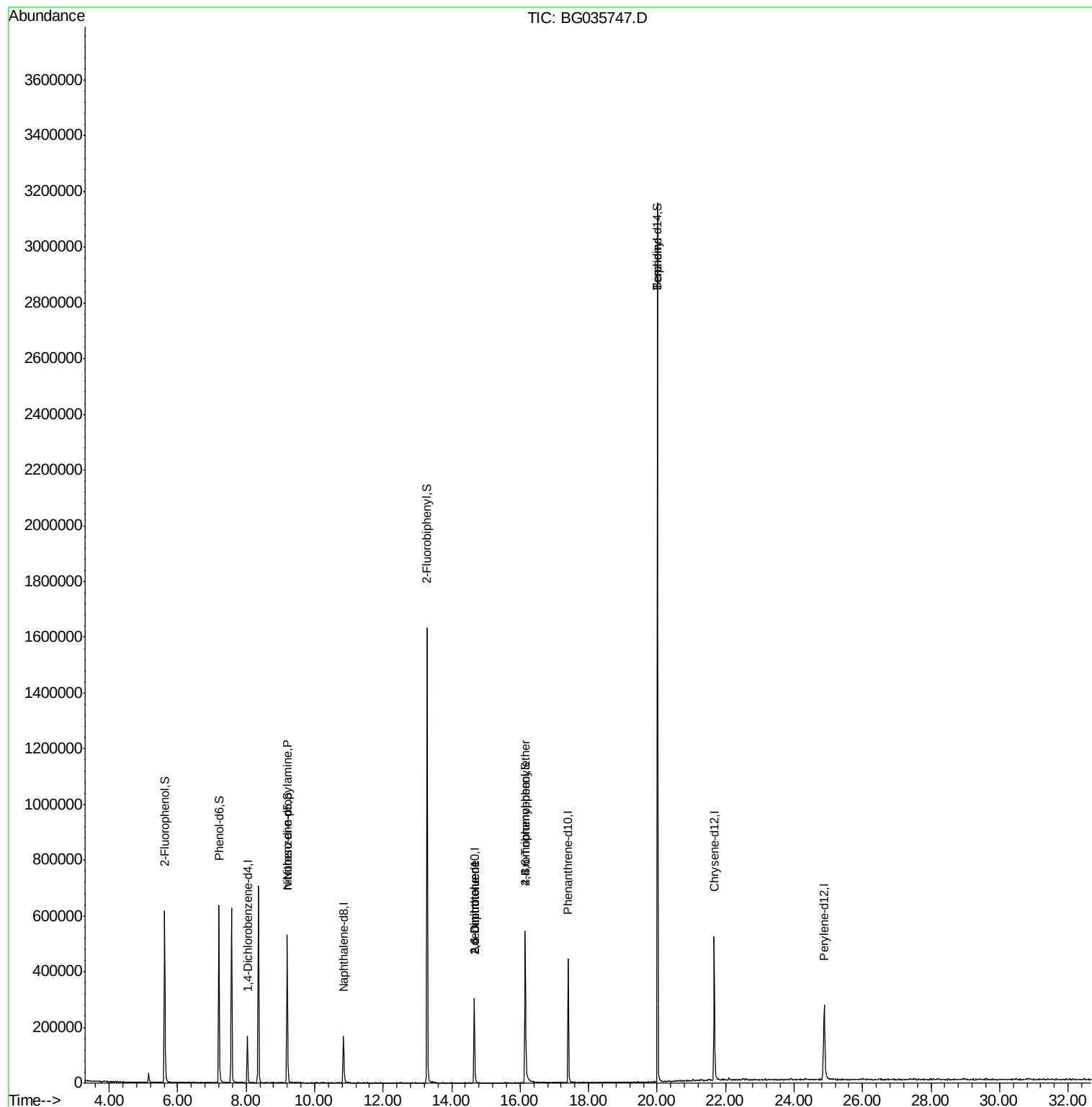
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	46726	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	158721	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	114726	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	315516	20.00	ng	0.00
75) Chrysene-d12	21.67	240	354263	20.00	ng	0.00
86) Perylene-d12	24.88	264	331752	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	280462	99.65	ng	0.00
7) Phenol-d6	7.20	99	390316	92.95	ng	0.00
23) Nitrobenzene-d5	9.20	82	380044	100.03	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	118920	78.64	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	878427	102.58	ng	0.00
78) Terphenyl-d14	20.01	244	1517527	94.42	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	52102	14.735	ng	# 67
50) 2,6-Dinitrotoluene	14.66	165	15240	7.445	ng	# 20
56) 2,4-Dinitrotoluene	14.66	165	15240	5.190	ng	# 18
66) 4-Bromophenyl-phenylether	16.15	248	10724	2.930	ng	# 1
76) Benzidine	20.01	184	26114	2.804	ng	# 92

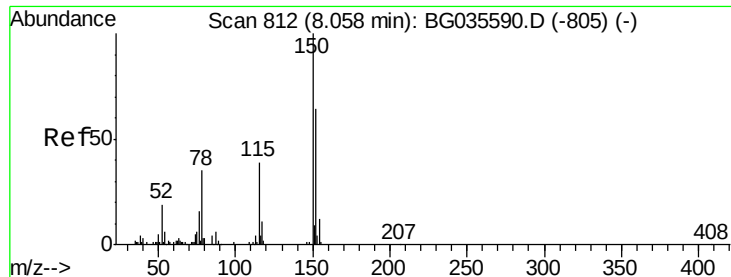
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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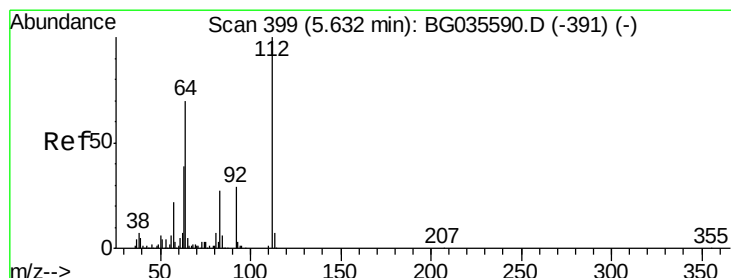
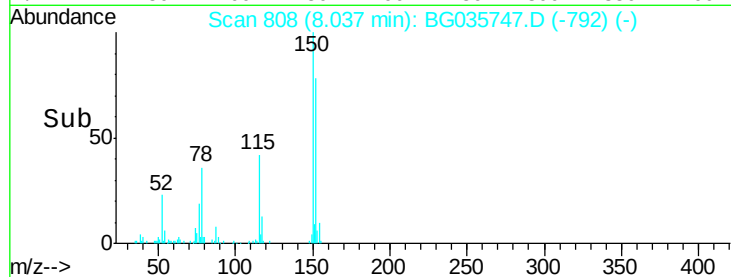
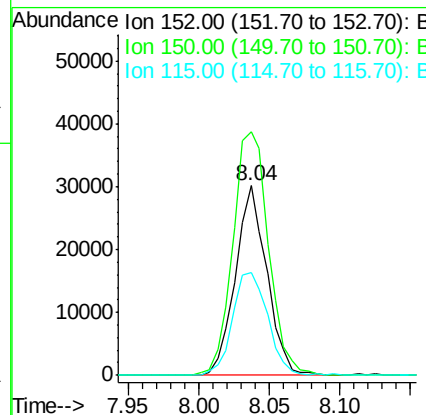
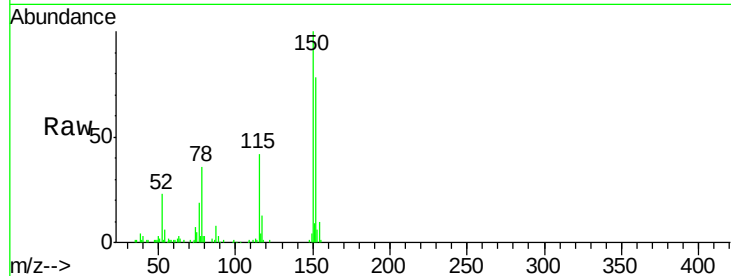


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 808
Delta R.T. -0.00 min
Lab File: BG035747.D
Acq: 19 Jul 2018 10:47

Instrument :
BNA_F
ClientSampleId :
PB111228BL

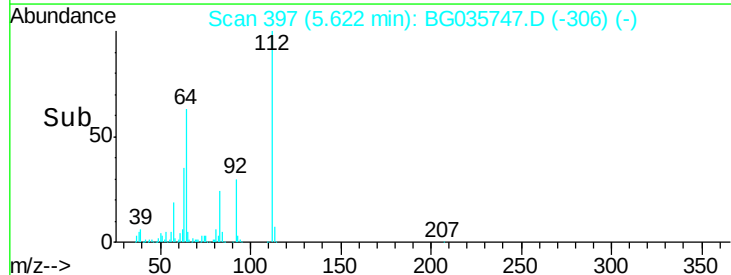
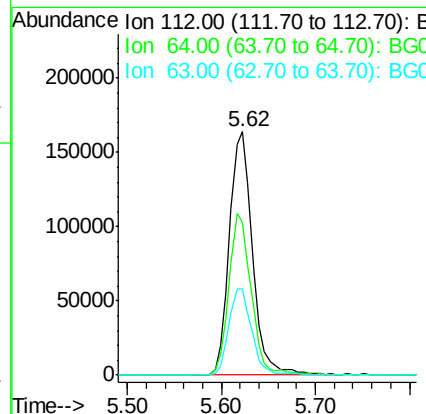
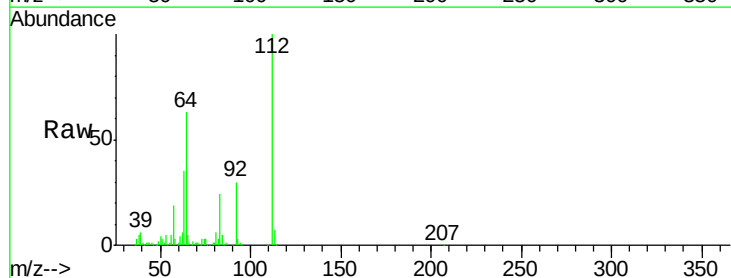
Tgt Ion:152 Resp: 46726
Ion Ratio Lower Upper
152 100
150 128.3 126.6 189.8
115 54.1 53.0 79.4

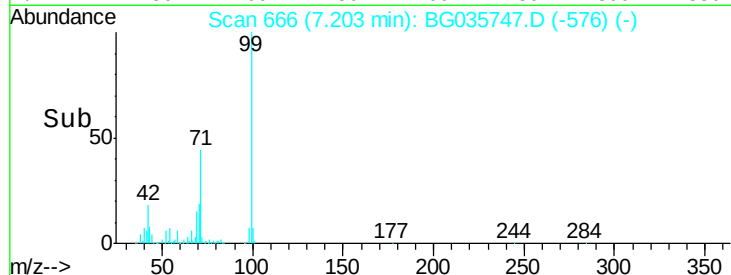
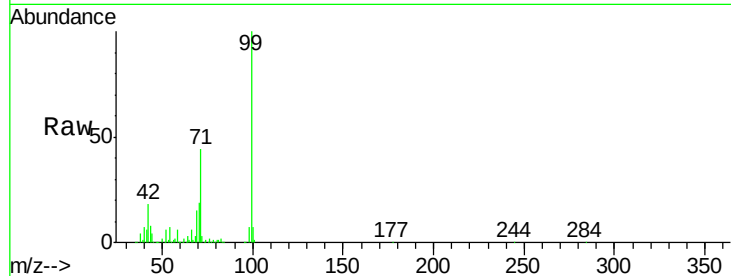
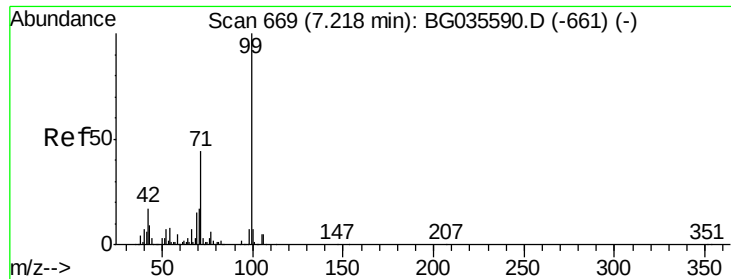


#5

2-Fluorophenol
Concen: 99.652 ng
RT: 5.62 min Scan# 397
Delta R.T. 0.00 min
Lab File: BG035747.D
Acq: 19 Jul 2018 10:47

Tgt Ion:112 Resp: 280462
Ion Ratio Lower Upper
112 100
64 62.5 56.3 84.5
63 35.3 30.1 45.1





#7

Phenol-d6

Concen: 92.953 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.00 min

Lab File: BG035747.D

Acq: 19 Jul 2018 10:47

Instrument :

BNA_F

ClientSampleId :

PB111228BL

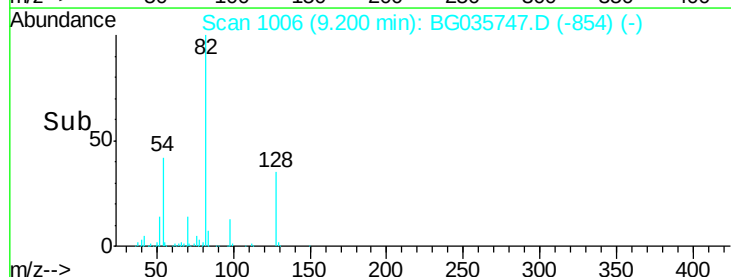
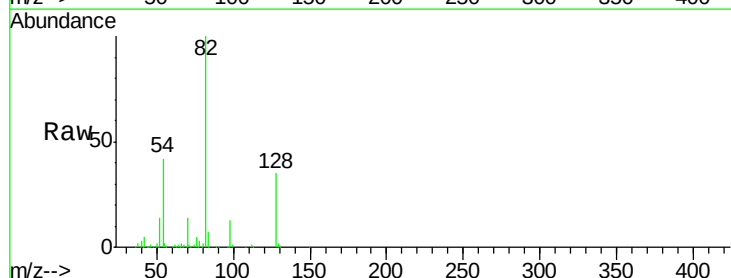
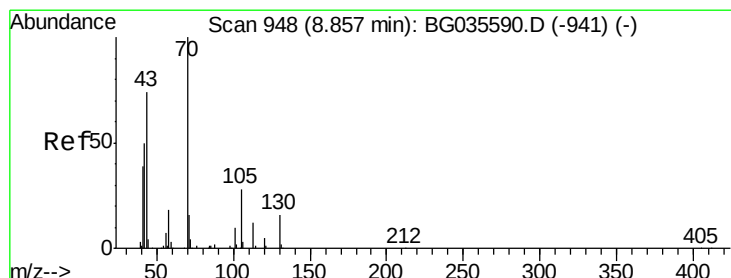
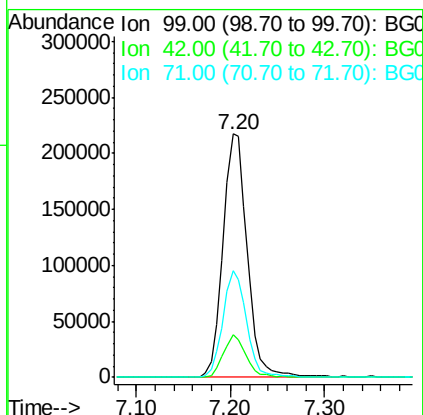
Tgt Ion: 99 Resp: 390316

Ion Ratio Lower Upper

99 100

42 17.6 14.1 21.1

71 43.7 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 14.735 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.36 min

Lab File: BG035747.D

Acq: 19 Jul 2018 10:47

Tgt Ion: 70 Resp: 52102

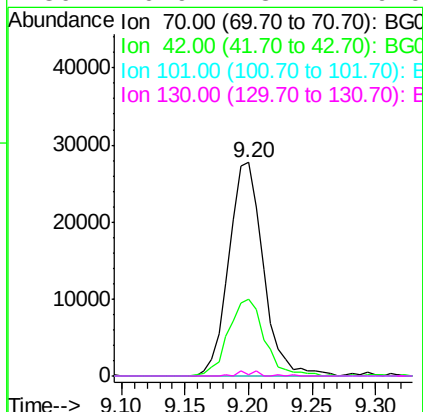
Ion Ratio Lower Upper

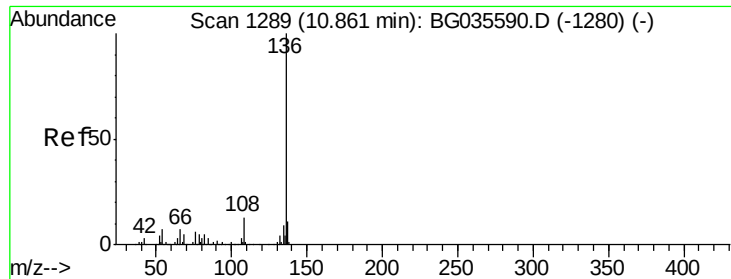
70 100

42 35.8 49.1 73.7#

101 0.0 8.5 12.7#

130 0.9 13.4 20.0#

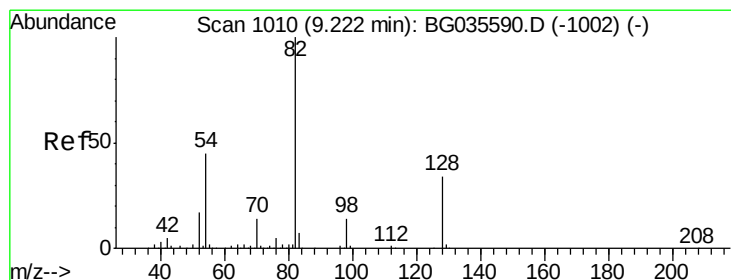
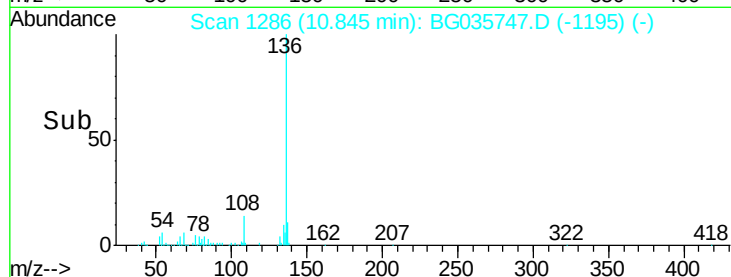
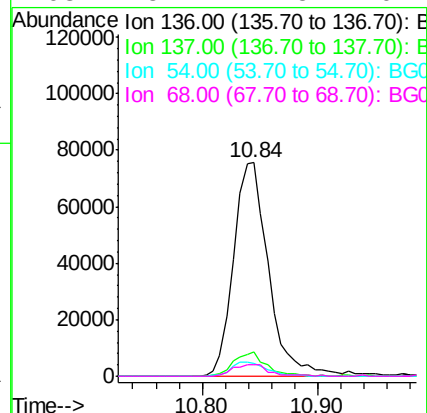
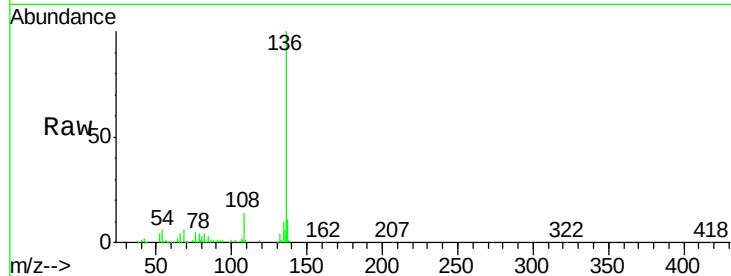




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. 0.00 min
Lab File: BG035747.D
Acq: 19 Jul 2018 10:47

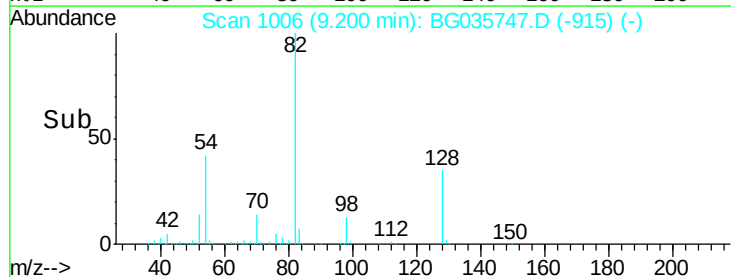
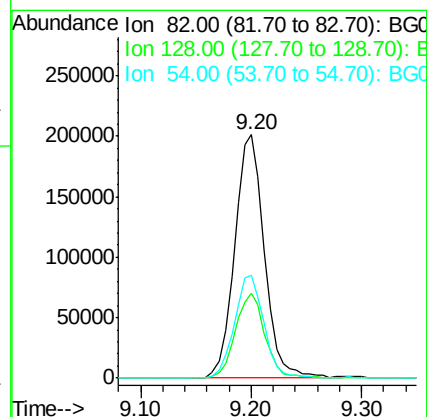
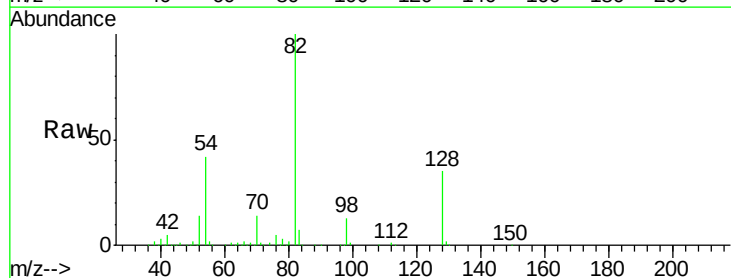
Instrument :
BNA_F
ClientSampleId :
PB111228BL

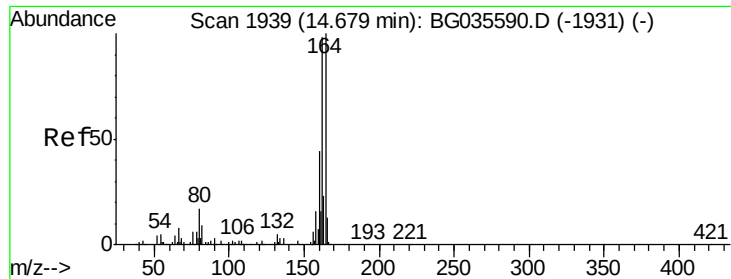
Tgt Ion:	136	Resp:	158721
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	5.8	10.3	15.5#
68	5.7	4.5	6.7



#23
Nitrobenzene-d5
Concen: 100.026 ng
RT: 9.20 min Scan# 1006
Delta R.T. 0.00 min
Lab File: BG035747.D
Acq: 19 Jul 2018 10:47

Tgt Ion:	82	Resp:	380044
Ion	Ratio	Lower	Upper
82	100		
128	34.6	29.7	44.5
54	42.3	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: BG035747.D

Acq: 19 Jul 2018 10:47

Instrument :

BNA_F

ClientSampleId :

PB111228BL

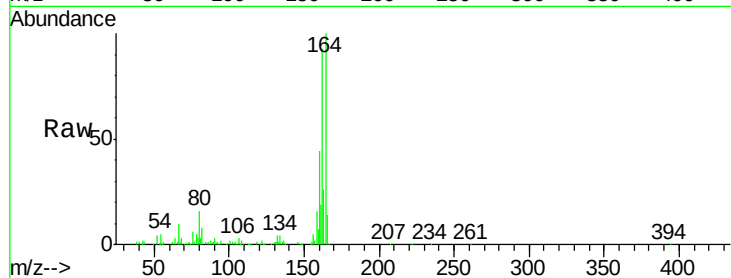
Tgt Ion:164 Resp: 114726

Ion Ratio Lower Upper

164 100

162 93.4 78.8 118.2

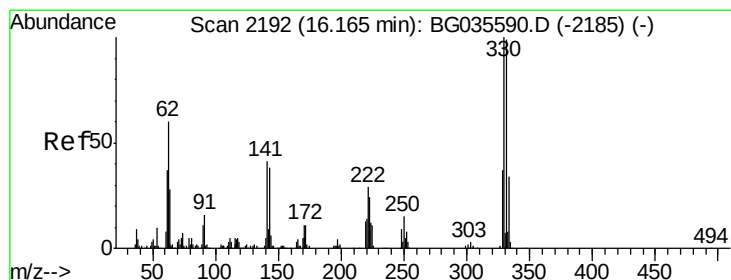
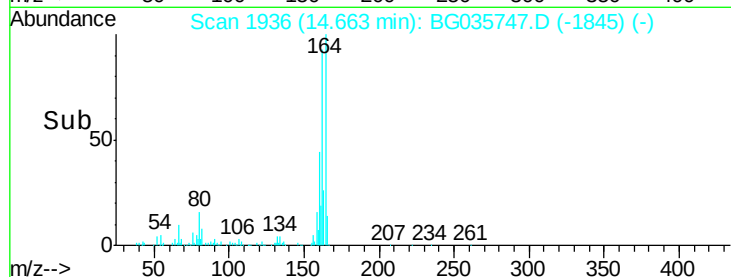
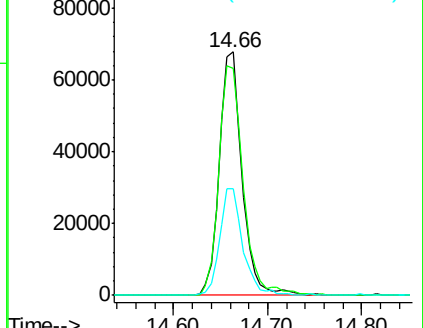
160 43.6 35.4 53.0



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: 78.642 ng

RT: 16.15 min Scan# 2189

Delta R.T. -0.00 min

Lab File: BG035747.D

Acq: 19 Jul 2018 10:47

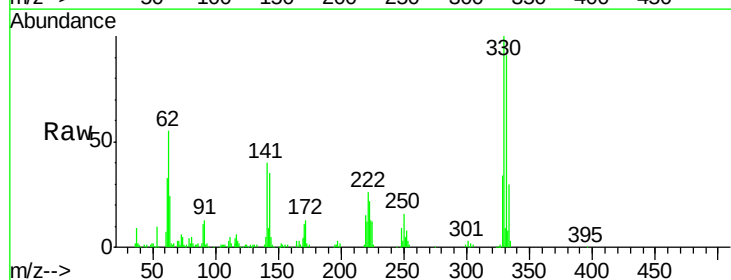
Tgt Ion:330 Resp: 118920

Ion Ratio Lower Upper

330 100

332 94.2 77.0 115.6

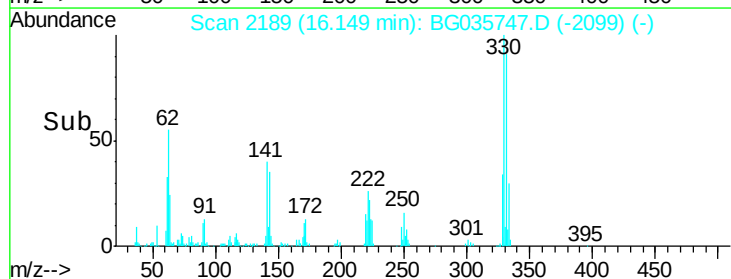
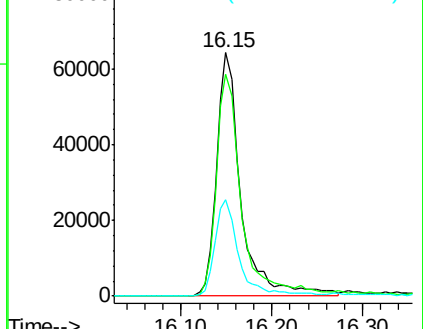
141 38.6 25.2 37.8#

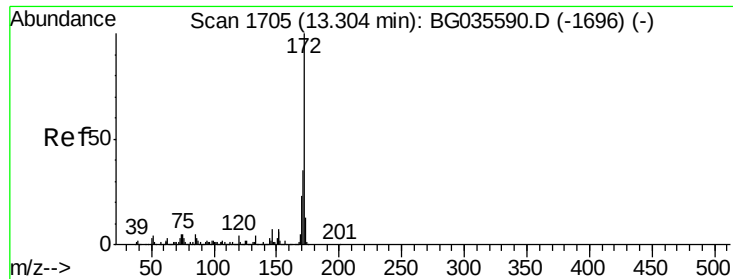


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

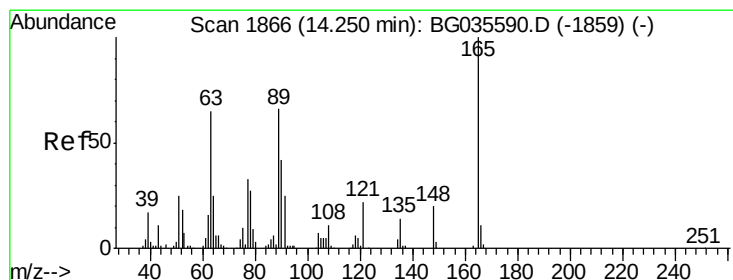
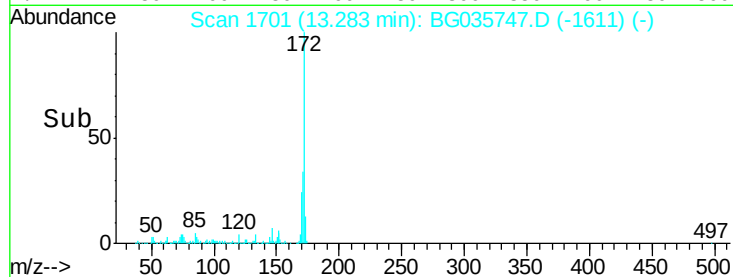
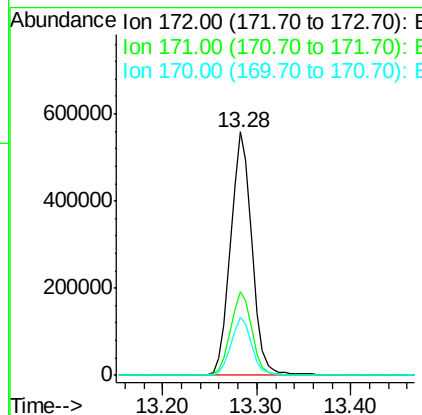
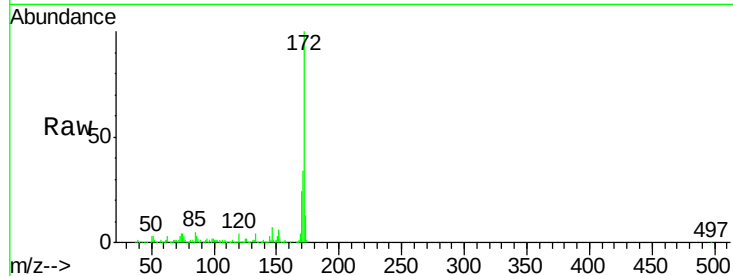




#44
 2-Fluorobiphenyl
 Concen: 102.580 ng
 RT: 13.28 min Scan# 1701
 Delta R.T. -0.00 min
 Lab File: BG035747.D
 Acq: 19 Jul 2018 10:47

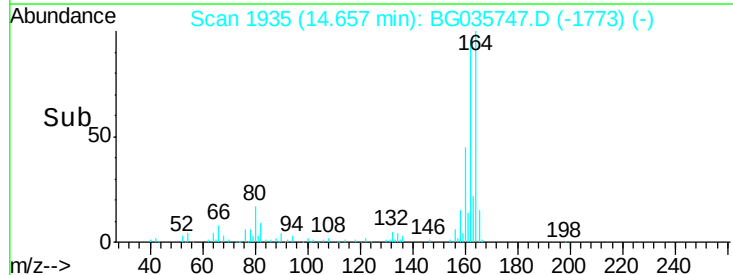
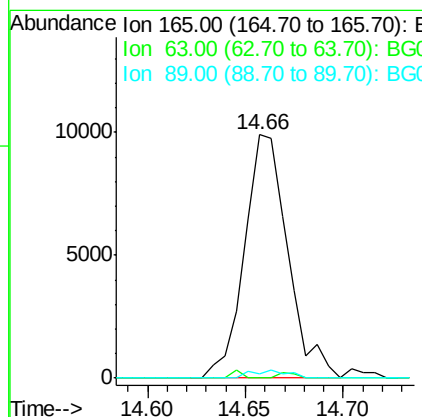
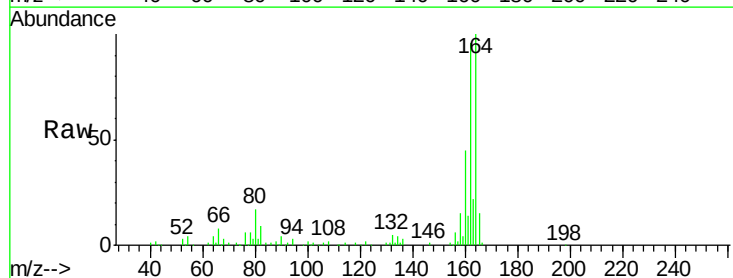
Instrument :
 BNA_F
 ClientSampleId :
 PB111228BL

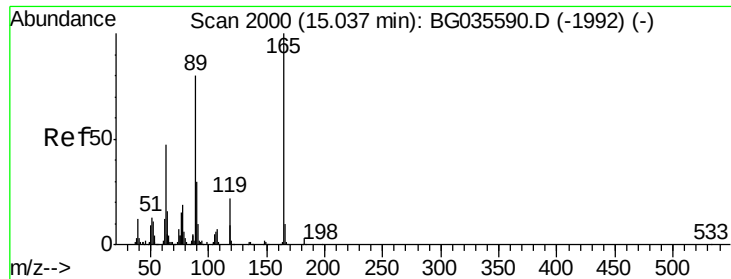
Tgt Ion:172 Resp: 878427
 Ion Ratio Lower Upper
 172 100
 171 34.4 30.0 45.0
 170 23.9 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.445 ng
 RT: 14.66 min Scan# 1935
 Delta R.T. 0.42 min
 Lab File: BG035747.D
 Acq: 19 Jul 2018 10:47

Tgt Ion:165 Resp: 15240
 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: 5.190 ng

RT: 14.66 min Scan# 1935

Delta R.T. -0.36 min

Lab File: BG035747.D

Acq: 19 Jul 2018 10:47

Instrument :

BNA_F

ClientSampleId :

PB111228BL

Tgt Ion:165 Resp: 15240

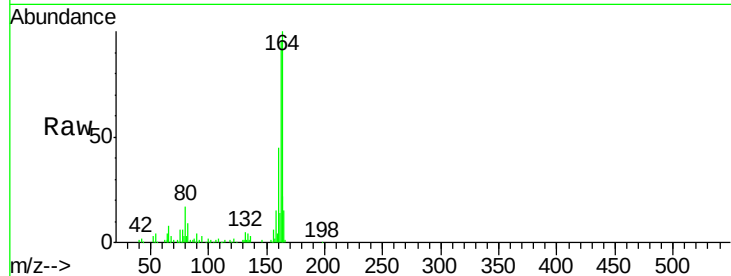
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 2.0 66.9 100.3#

182 0.0 2.6 3.8#

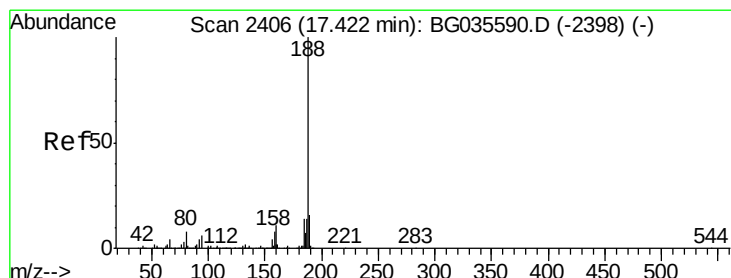
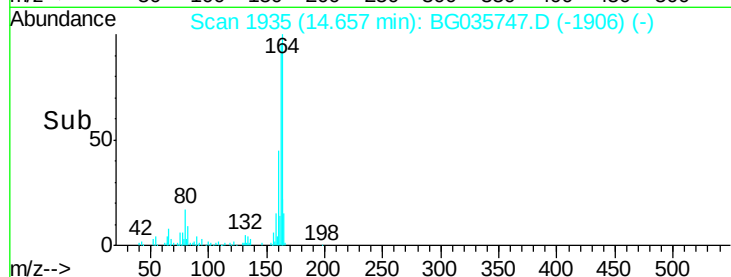
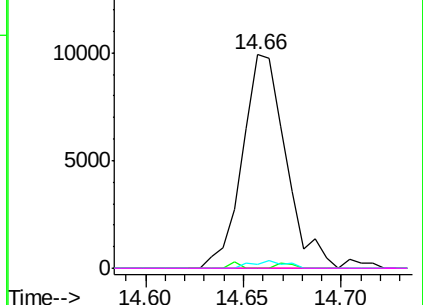


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.41 min Scan# 2403

Delta R.T. 0.00 min

Lab File: BG035747.D

Acq: 19 Jul 2018 10:47

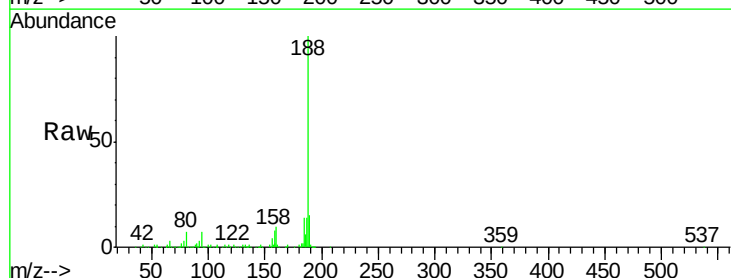
Tgt Ion:188 Resp: 315516

Ion Ratio Lower Upper

188 100

94 6.7 6.9 10.3#

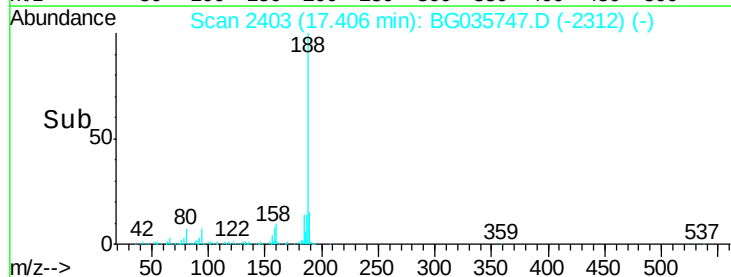
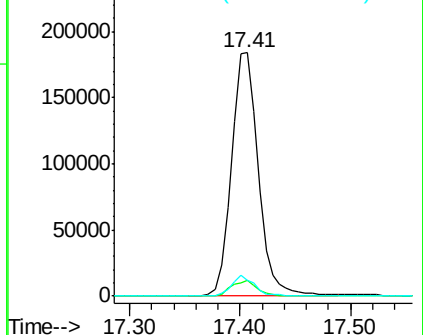
80 6.7 7.7 11.5#

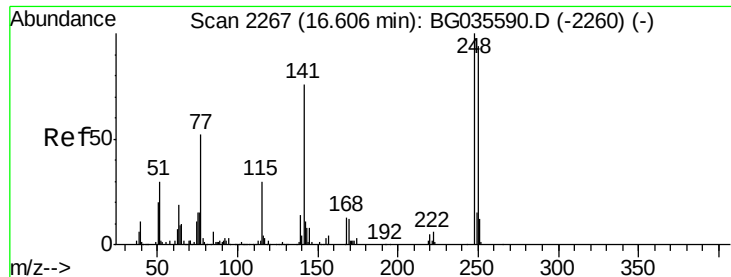


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#66

4-Bromophenyl-phenylether

Concen: 2.930 ng

RT: 16.15 min Scan# 2189

Delta R.T. -0.44 min

Lab File: BG035747.D

Acq: 19 Jul 2018 10:47

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PB111228BL

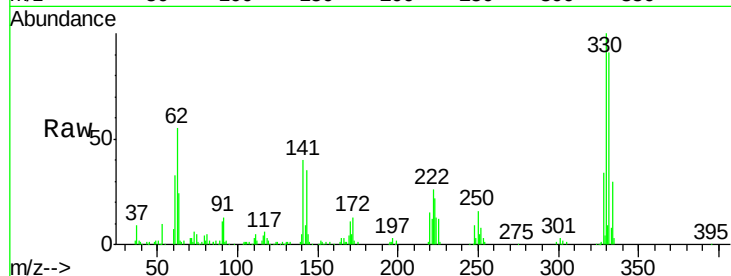
Tgt Ion:248 Resp: 10724

Ion Ratio Lower Upper

248 100

250 179.1 77.1 115.7#

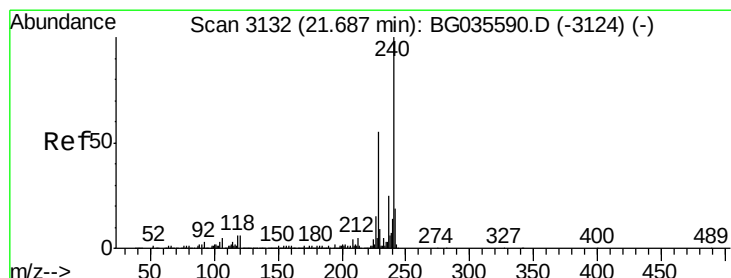
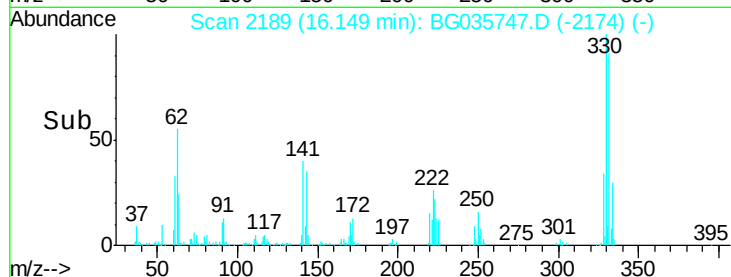
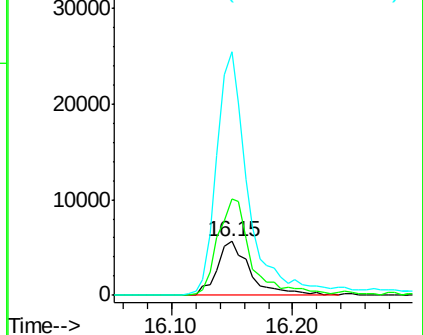
141 449.9 50.8 76.2#



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: 21.67 min Scan# 3129

Delta R.T. -0.00 min

Lab File: BG035747.D

Acq: 19 Jul 2018 10:47

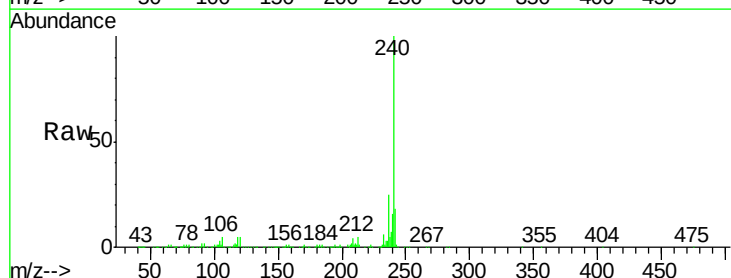
Tgt Ion:240 Resp: 354263

Ion Ratio Lower Upper

240 100

120 5.1 6.8 10.2#

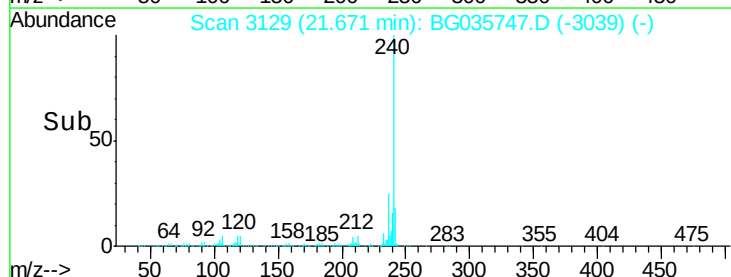
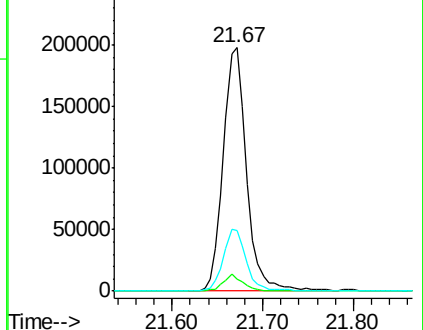
236 24.9 20.9 31.3

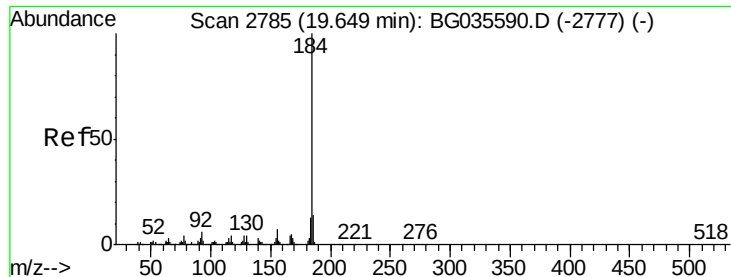


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.804 ng

RT: 20.01 min Scan# 2846

Delta R.T. 0.37 min

Lab File: BG035747.D

Acq: 19 Jul 2018 10:47

Instrument :

BNA_F

ClientSampleId :

PB111228BL

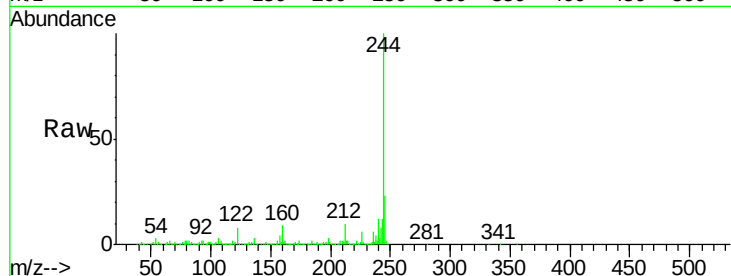
Tgt Ion:184 Resp: 26114

Ion Ratio Lower Upper

184 100

185 16.1 11.1 16.7

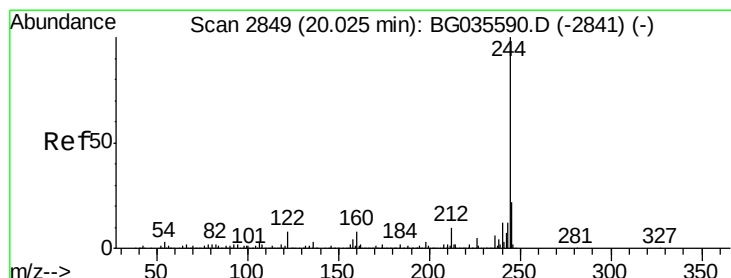
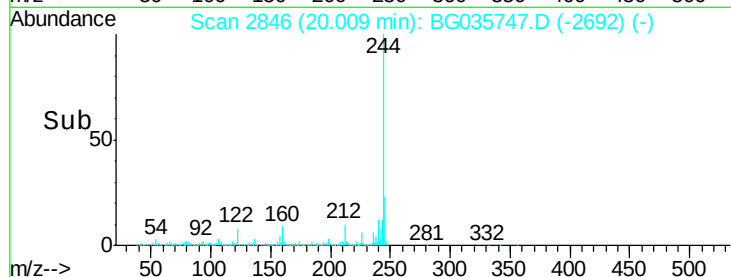
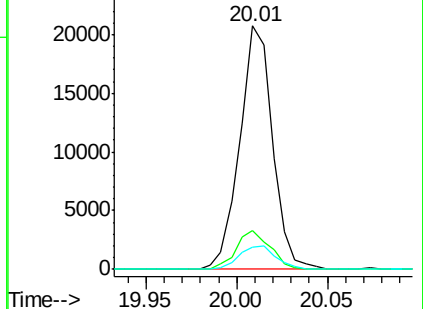
183 9.2 10.6 16.0#



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: 94.424 ng

RT: 20.01 min Scan# 2846

Delta R.T. -0.00 min

Lab File: BG035747.D

Acq: 19 Jul 2018 10:47

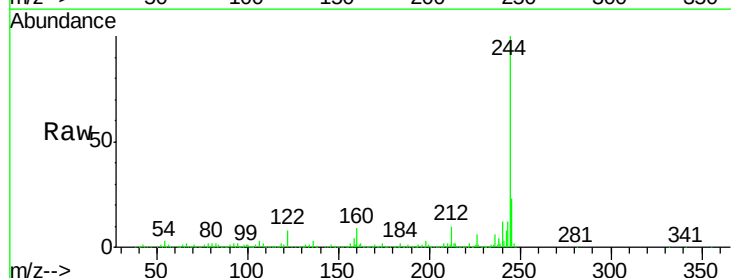
Tgt Ion:244 Resp: 1517527

Ion Ratio Lower Upper

244 100

212 9.7 5.8 8.8#

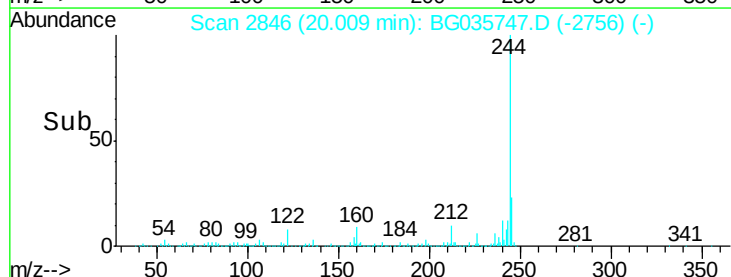
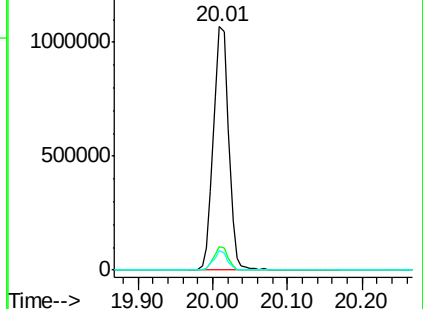
122 7.9 7.0 10.4

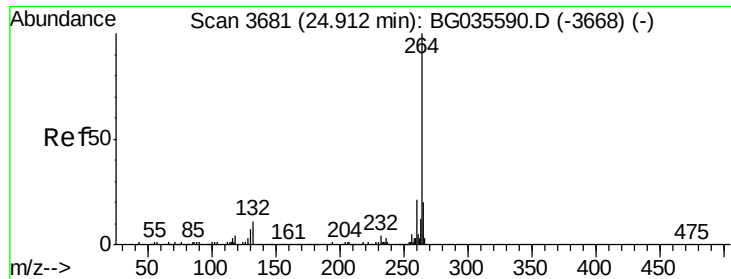


Abundance Ion 244.00 (243.70 to 244.70): E

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. -0.00 min
Lab File: BG035747.D
Acq: 19 Jul 2018 10:47

Instrument :
BNA_F
ClientSampleId :
PB111228BL

Tgt Ion: 264 Resp: 331752
Ion Ratio Lower Upper
264 100
260 22.7 17.4 26.0
265 21.5 17.7 26.5

