

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080218\
 Data File : BG036071.D
 Acq On : 2 Aug 2018 23:22
 Operator : JU/SJ
 Sample : J4241-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FS-RO-226

Quant Time: Aug 03 01:10:50 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

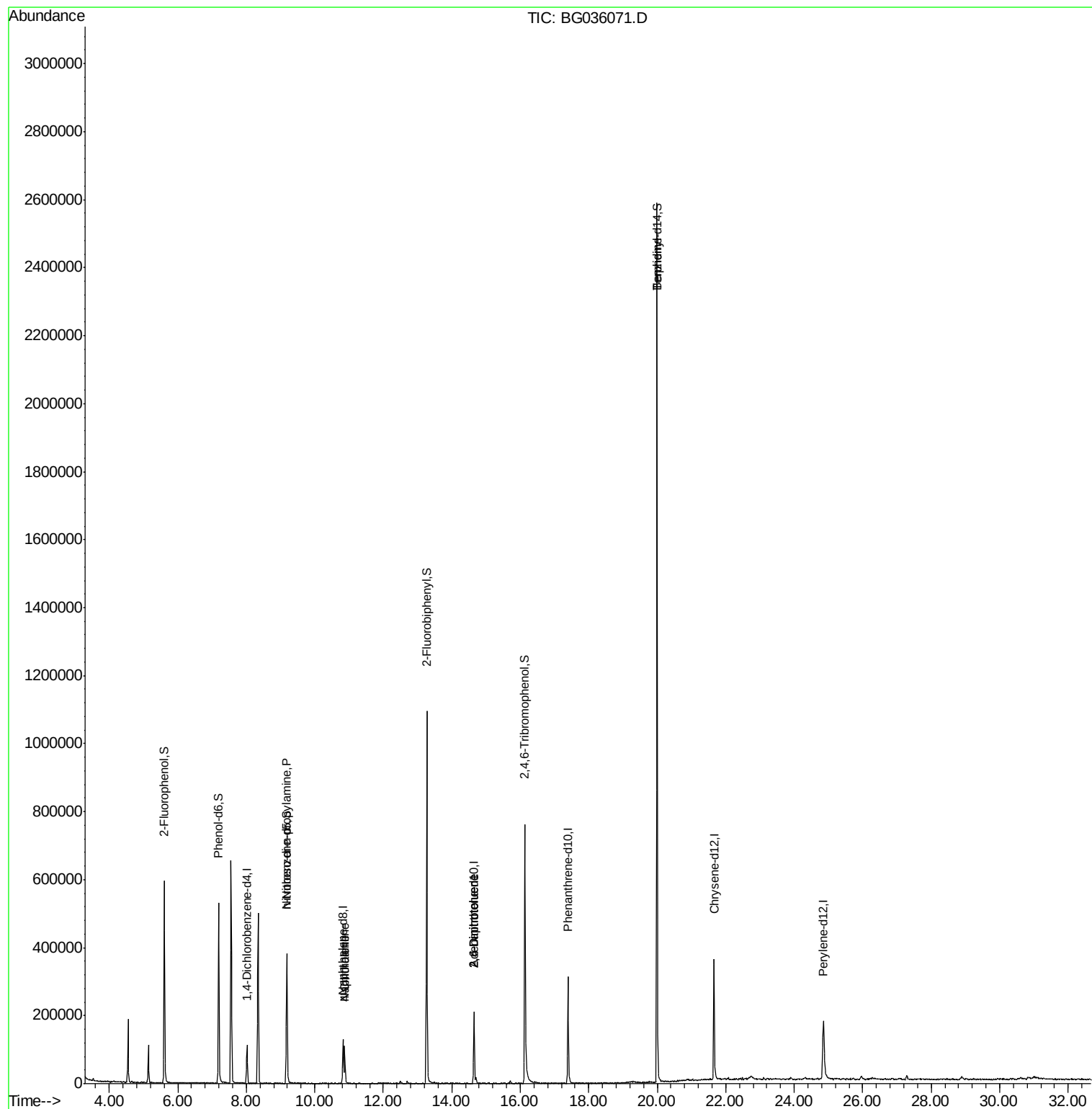
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	32035	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	111619	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	81440	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	231194	20.00	ng	0.00
75) Chrysene-d12	21.66	240	268467	20.00	ng	0.00
86) Perylene-d12	24.85	264	232501	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	262282	135.93	ng	0.00
7) Phenol-d6	7.19	99	335542	116.55	ng	0.00
23) Nitrobenzene-d5	9.19	82	275766	103.21	ng	0.00
41) 2,4,6-Tribromophenol	16.13	330	181528	169.11	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	619213	101.86	ng	0.00
78) Terphenyl-d14	19.99	244	1312446	107.76	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	38278	15.790	ng	# 66
31) Naphthalene	10.88	128	95765	16.470	ng	# 94
33) 4-Chloroaniline	10.87	127	12429	4.905	ng	# 31
50) 2,6-Dinitrotoluene	14.65	165	11304	7.780	ng	# 20
56) 2,4-Dinitrotoluene	14.65	165	11304	5.423	ng	# 18
76) Benzidine	19.99	184	21630	3.065	ng	# 87

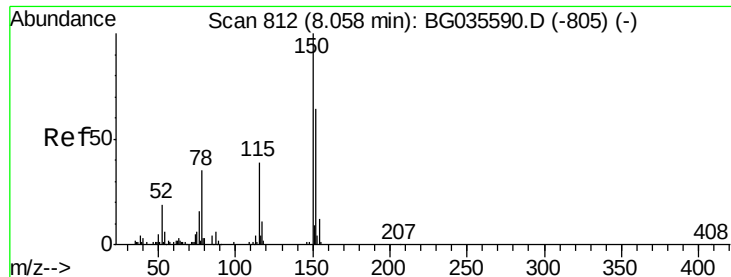
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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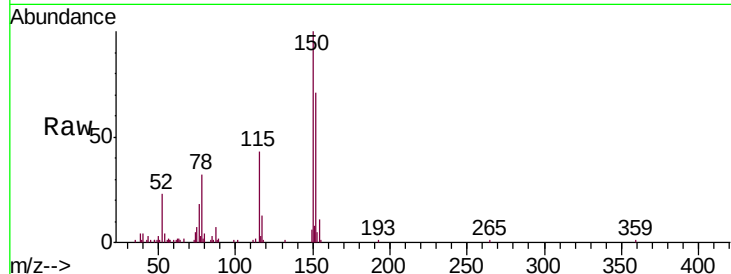


#1

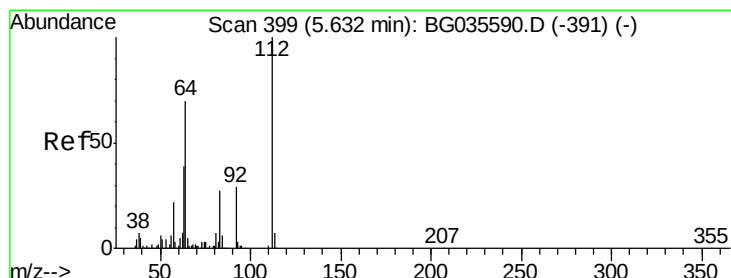
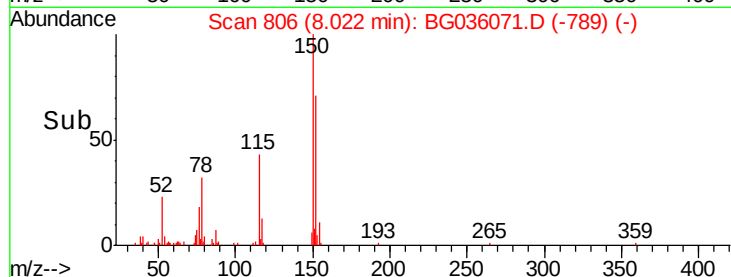
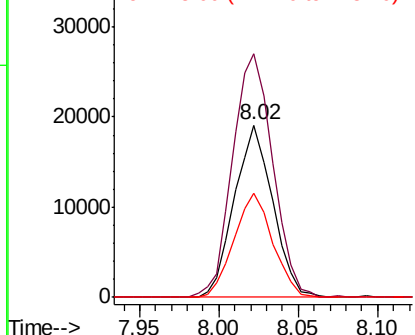
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 806
Delta R.T. -0.00 min
Lab File: BG036071.D
Acq: 2 Aug 2018 23:22

Instrument :
BNA_G
ClientSampleId :
FS-RO-226

Tgt Ion:152 Resp: 32035
Ion Ratio Lower Upper
152 100
150 141.6 126.6 189.8
115 60.8 53.0 79.4



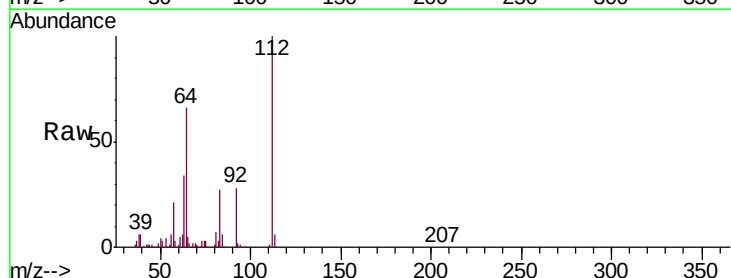
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



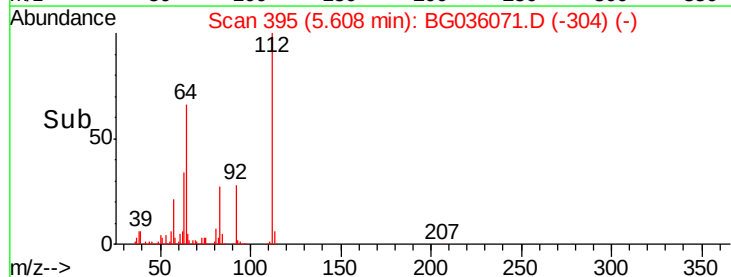
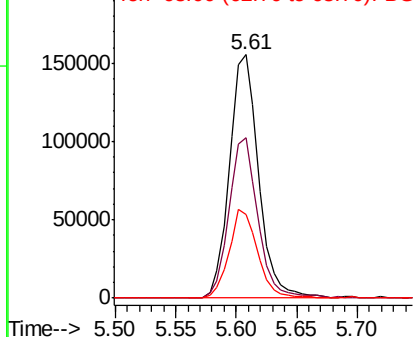
#5

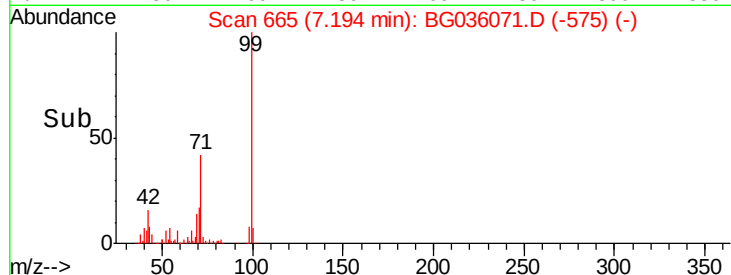
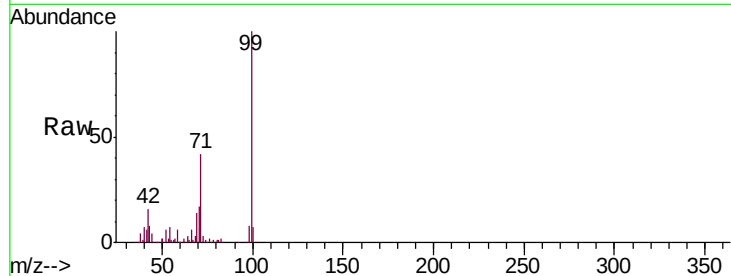
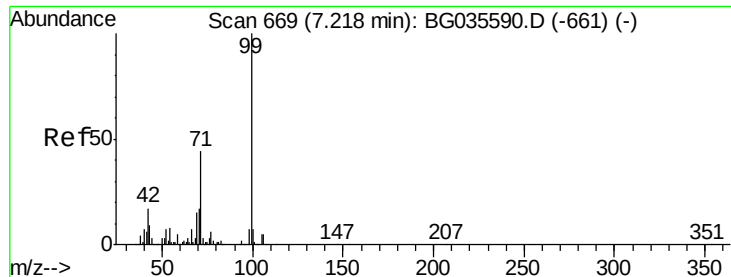
2-Fluorophenol
Concen: 135.929 ng
RT: 5.61 min Scan# 395
Delta R.T. 0.00 min
Lab File: BG036071.D
Acq: 2 Aug 2018 23:22

Tgt Ion:112 Resp: 262282
Ion Ratio Lower Upper
112 100
64 65.8 56.3 84.5
63 34.3 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: 116.554 ng

RT: 7.19 min Scan# 665

Delta R.T. -0.00 min

Lab File: BG036071.D

Acq: 2 Aug 2018 23:22

Instrument :

BNA_G

ClientSampleId :

FS-RO-226

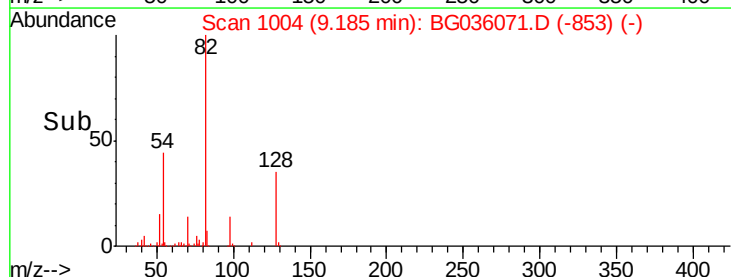
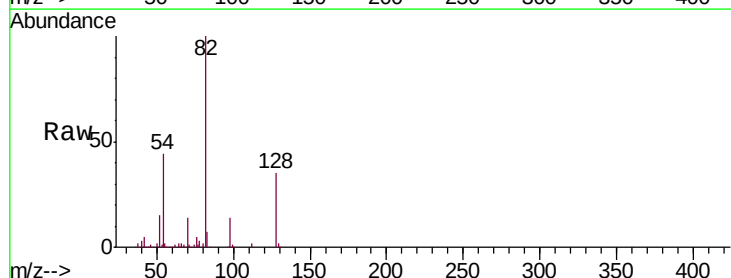
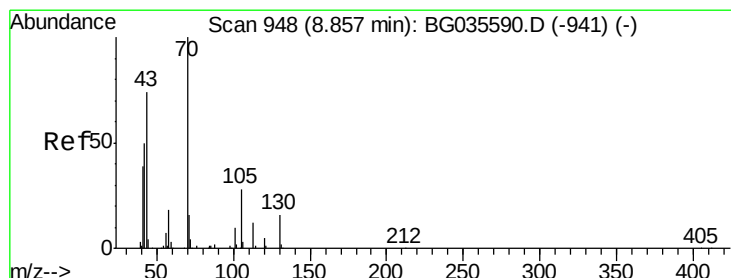
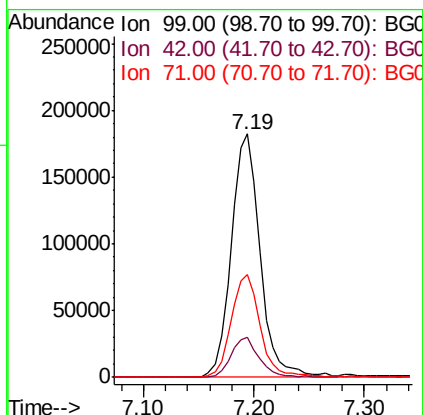
Tgt Ion: 99 Resp: 335542

Ion Ratio Lower Upper

99 100

42 16.4 14.1 21.1

71 42.4 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 15.790 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.36 min

Lab File: BG036071.D

Acq: 2 Aug 2018 23:22

Tgt Ion: 70 Resp: 38278

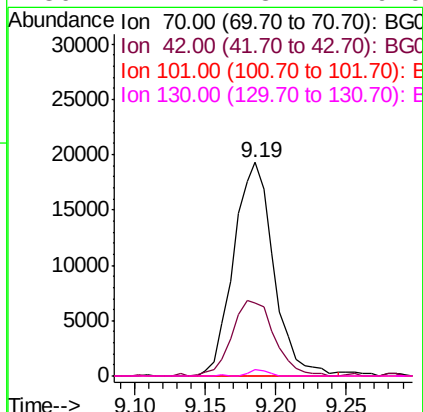
Ion Ratio Lower Upper

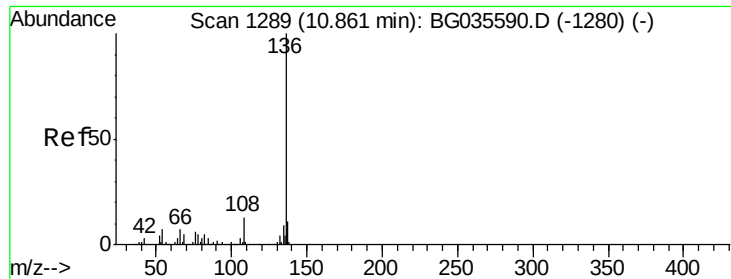
70 100

42 34.2 49.1 73.7#

101 0.0 8.5 12.7#

130 2.7 13.4 20.0#

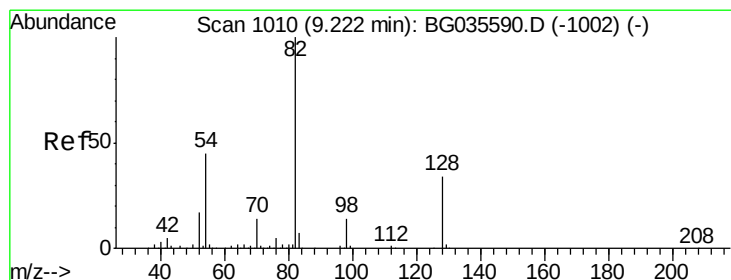
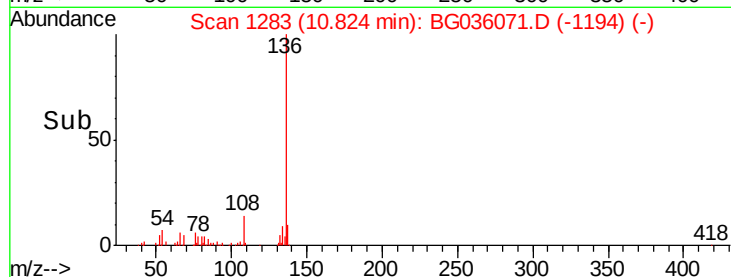
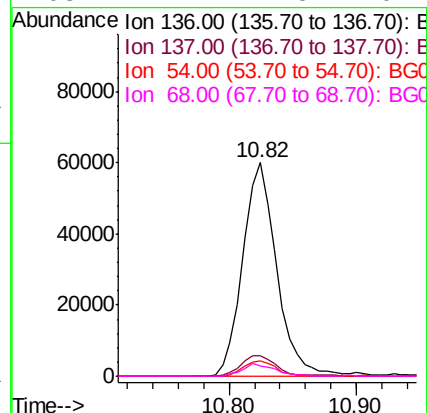
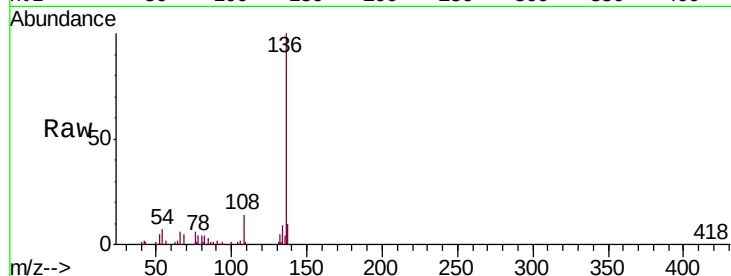




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BG036071.D
Acq: 2 Aug 2018 23:22

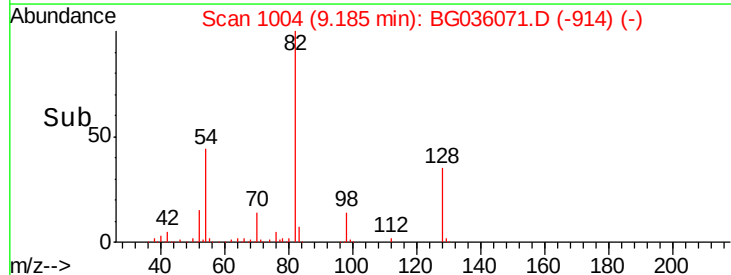
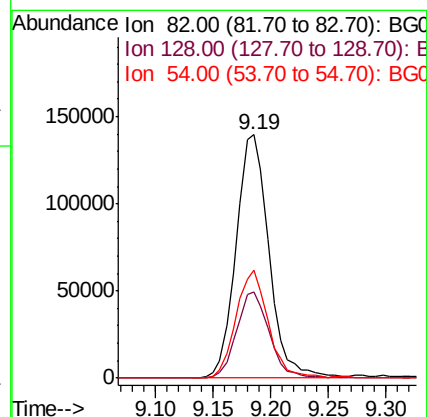
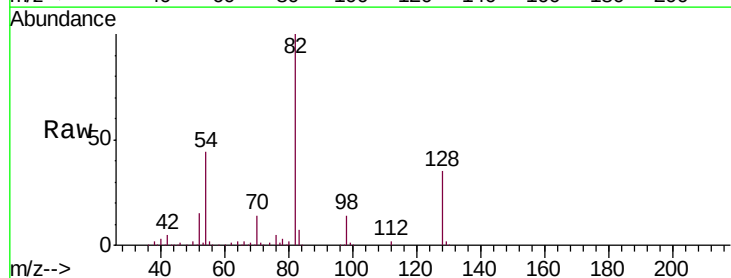
Instrument :
BNA_G
ClientSampleId :
FS-RO-226

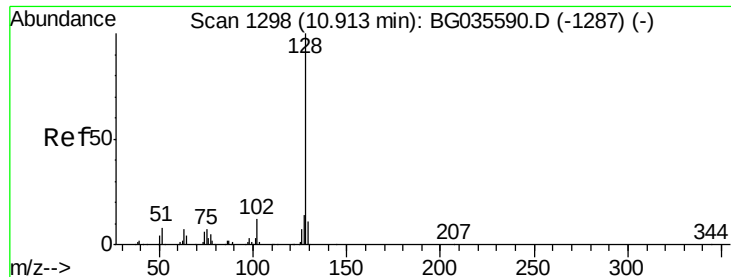
Tgt Ion:	136	Resp:	111619
Ion	Ratio	Lower	Upper
136	100		
137	9.6	9.2	13.8
54	7.2	10.3	15.5#
68	4.7	4.5	6.7



#23
Nitrobenzene-d5
Concen: 103.209 ng
RT: 9.19 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BG036071.D
Acq: 2 Aug 2018 23:22

Tgt Ion:	82	Resp:	275766
Ion	Ratio	Lower	Upper
82	100		
128	35.2	29.7	44.5
54	44.1	43.1	64.7

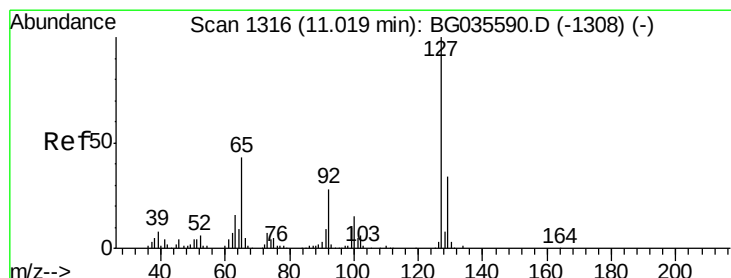
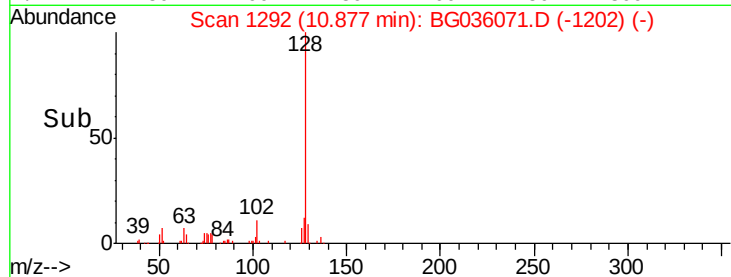
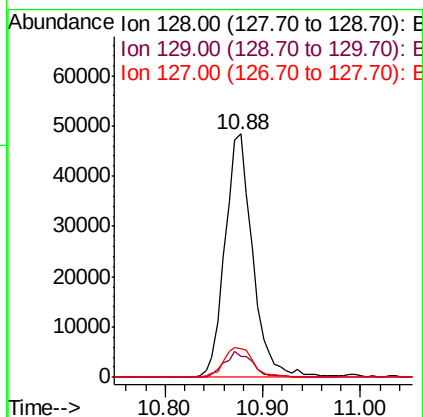
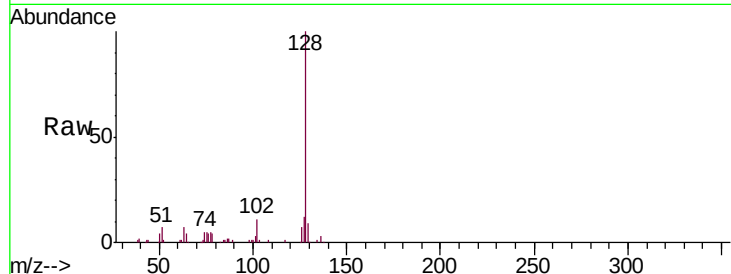




#31
Naphthalene
Concen: 16.470 ng
RT: 10.88 min Scan# 1292
Delta R.T. -0.00 min
Lab File: BG036071.D
Acq: 2 Aug 2018 23:22

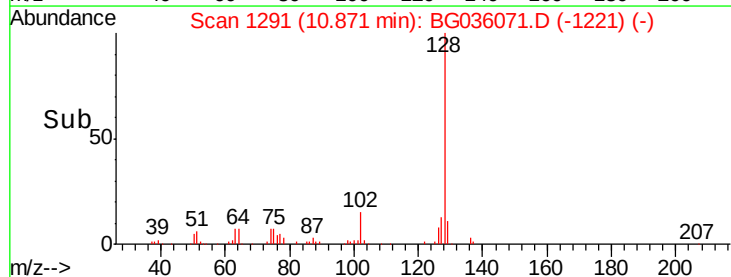
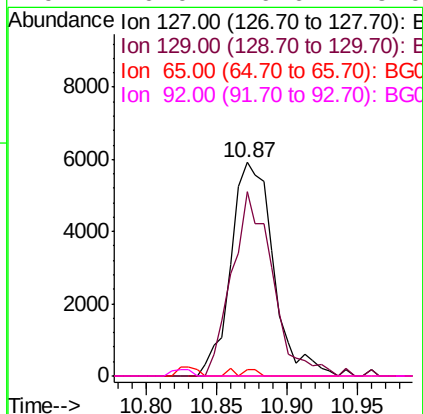
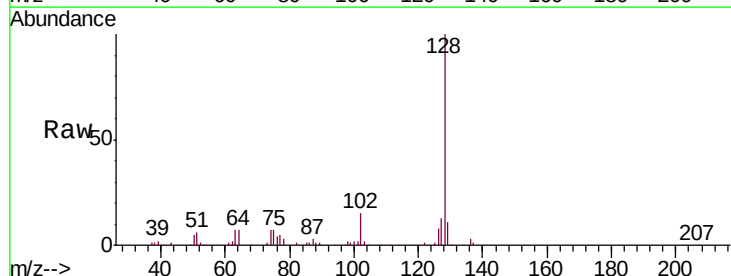
Instrument :
BNA_G
ClientSampleId :
FS-RO-226

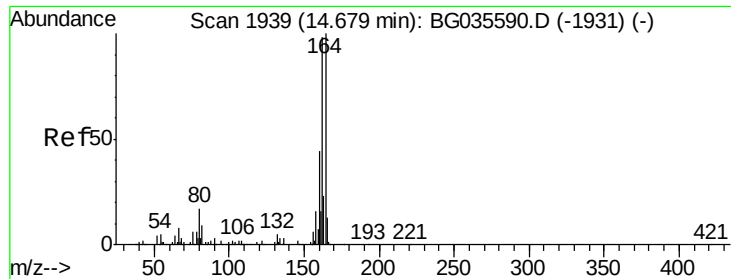
Tgt Ion:128 Resp: 95765
Ion Ratio Lower Upper
128 100
129 8.7 8.6 12.8
127 11.5 11.6 17.4#



#33
4-Chloroaniline
Concen: 4.905 ng
RT: 10.87 min Scan# 1291
Delta R.T. -0.12 min
Lab File: BG036071.D
Acq: 2 Aug 2018 23:22

Tgt Ion:127 Resp: 12429
Ion Ratio Lower Upper
127 100
129 86.1 24.0 36.0#
65 2.8 27.0 40.4#
92 0.0 16.6 25.0#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.00 min

Lab File: BG036071.D

Acq: 2 Aug 2018 23:22

Instrument :

BNA_G

ClientSampleId :

FS-RO-226

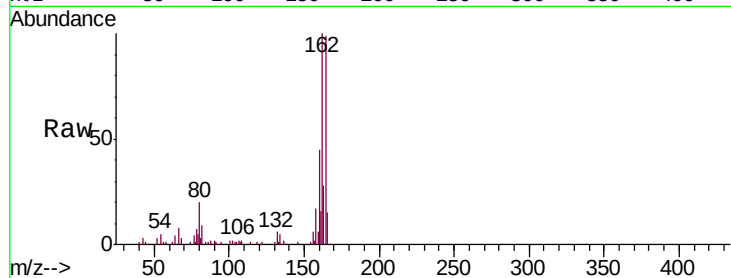
Tgt Ion:164 Resp: 81440

Ion Ratio Lower Upper

164 100

162 100.6 78.8 118.2

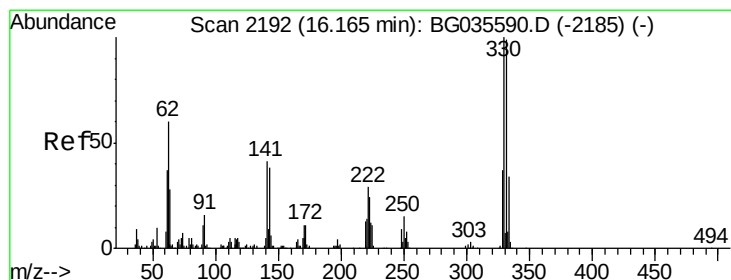
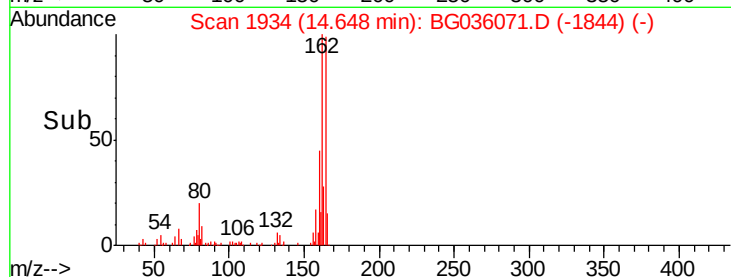
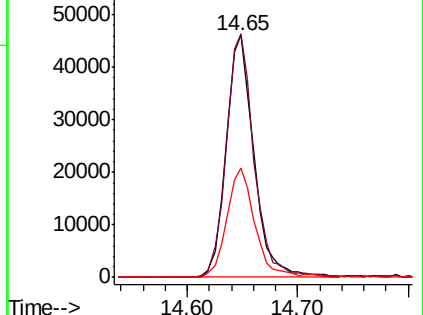
160 45.0 35.4 53.0



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: 169.110 ng

RT: 16.13 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BG036071.D

Acq: 2 Aug 2018 23:22

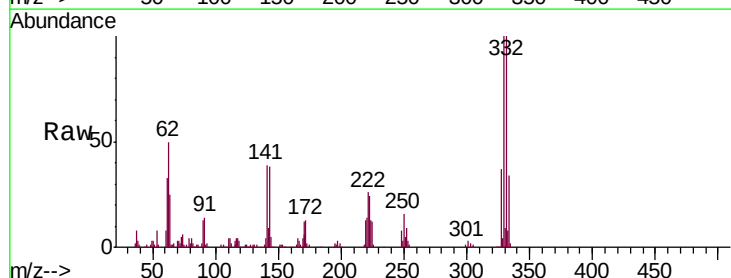
Tgt Ion:330 Resp: 181528

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

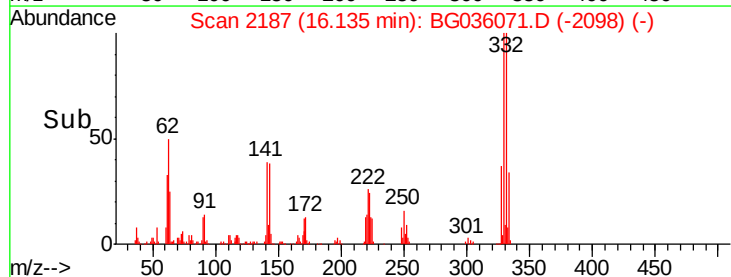
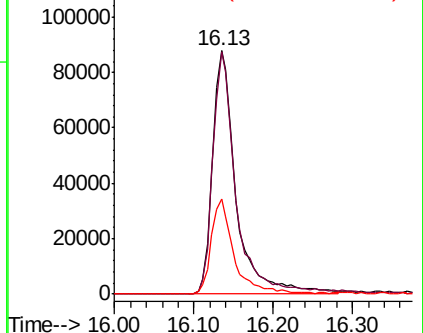
141 37.8 25.2 37.8

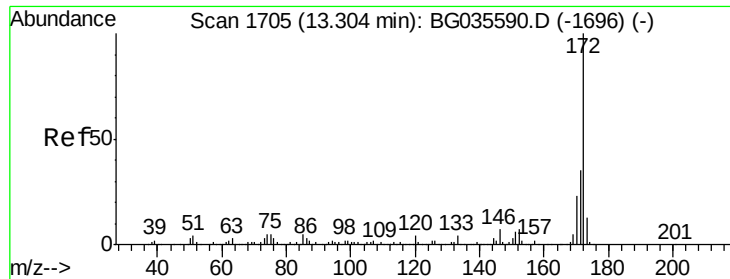


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

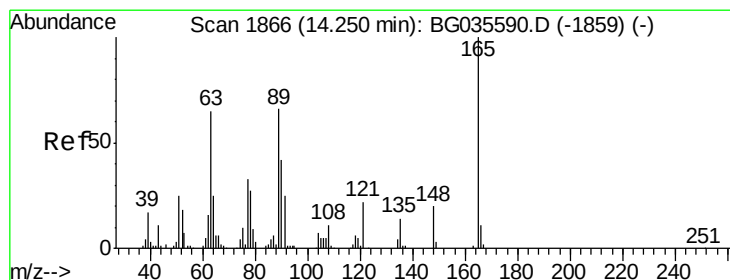
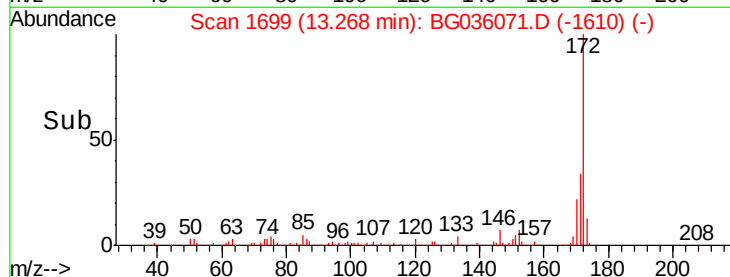
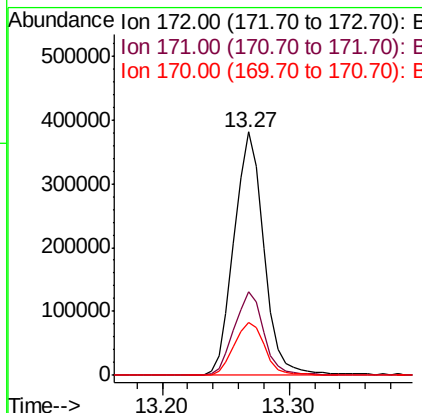
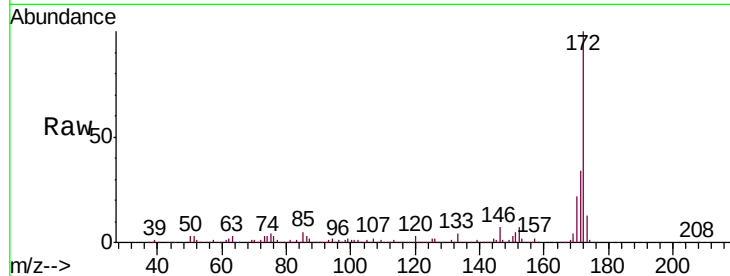




#44
 2-Fluorobiphenyl
 Concen: 101.865 ng
 RT: 13.27 min Scan# 1699
 Delta R.T. -0.01 min
 Lab File: BG036071.D
 Acq: 2 Aug 2018 23:22

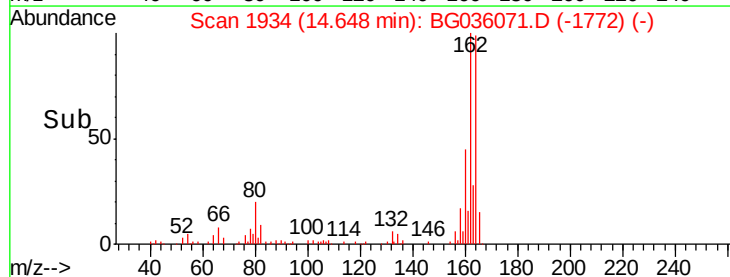
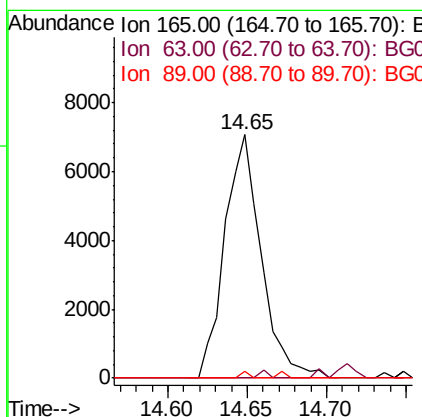
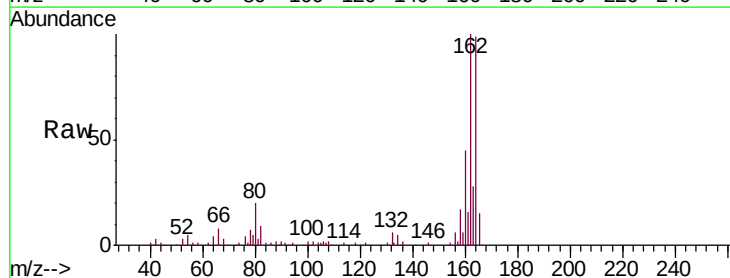
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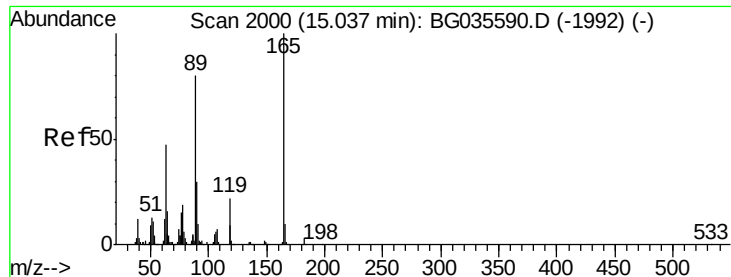
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	30.0	45.0
170	22.0	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.780 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. 0.42 min
 Lab File: BG036071.D
 Acq: 2 Aug 2018 23:22

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	3.0	49.2	73.8#





#56

2,4-Dinitrotoluene

Concen: 5.423 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.37 min

Lab File: BG036071.D

Acq: 2 Aug 2018 23:22

Instrument :

BNA_G

ClientSampleId :

FS-RO-226

Tgt Ion:165 Resp: 11304

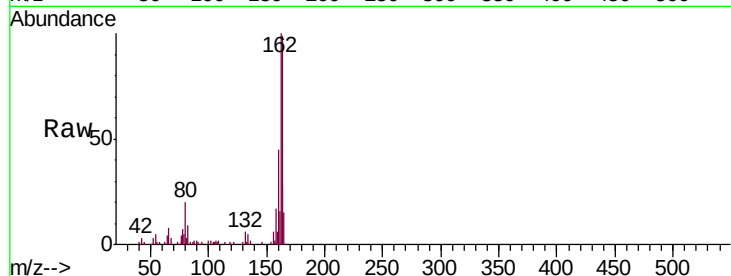
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 3.0 66.9 100.3#

182 0.0 2.6 3.8#

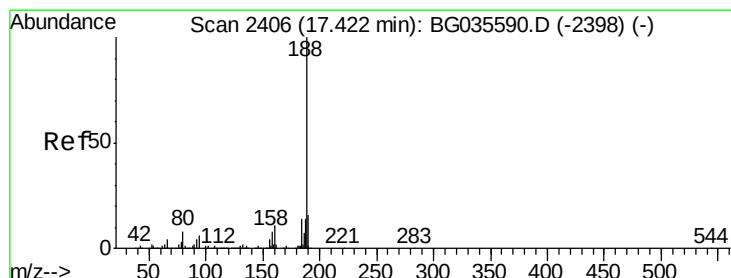
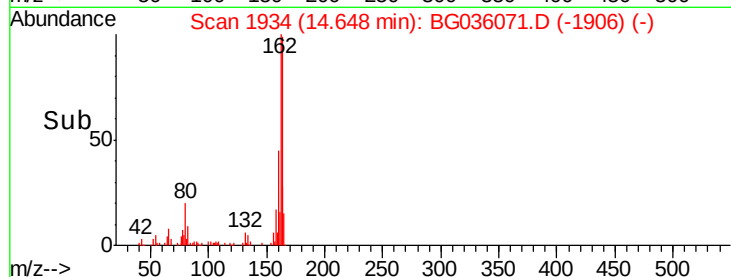
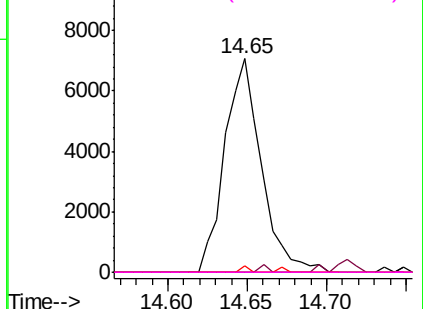


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.39 min Scan# 2401

Delta R.T. -0.00 min

Lab File: BG036071.D

Acq: 2 Aug 2018 23:22

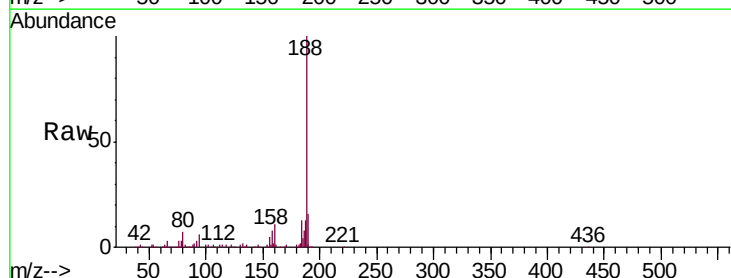
Tgt Ion:188 Resp: 231194

Ion Ratio Lower Upper

188 100

94 6.3 6.9 10.3#

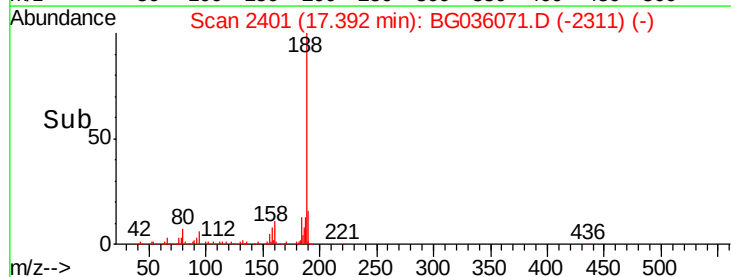
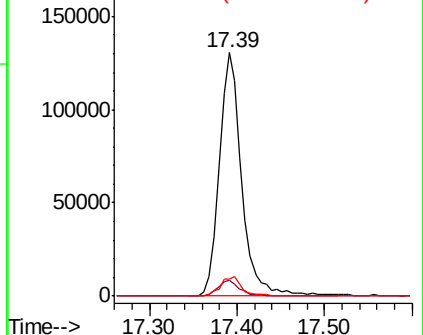
80 7.0 7.7 11.5#

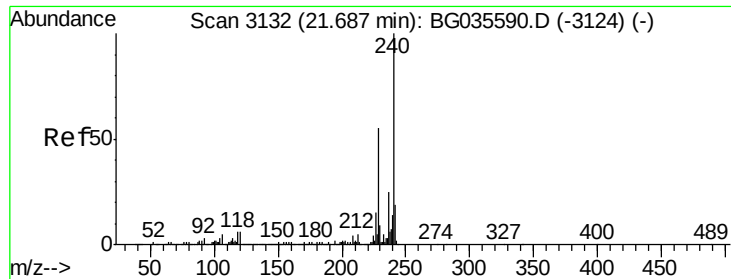


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3127

Delta R.T. -0.00 min

Lab File: BG036071.D

Acq: 2 Aug 2018 23:22

Instrument :

BNA_G

ClientSampleId :

FS-RO-226

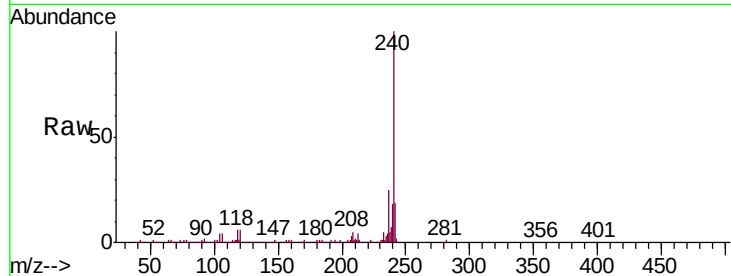
Tgt Ion:240 Resp: 268467

Ion Ratio Lower Upper

240 100

120 6.4 6.8 10.2#

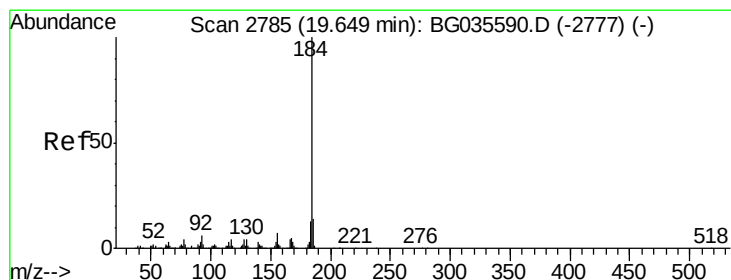
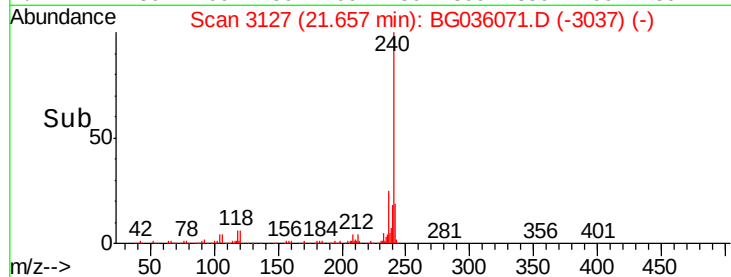
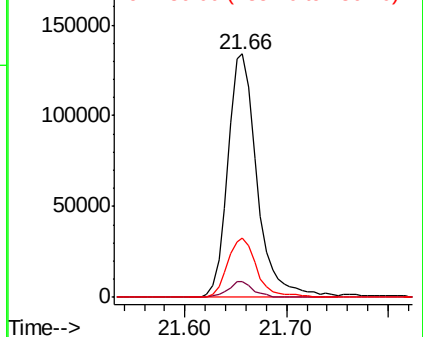
236 24.5 20.9 31.3



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: 3.065 ng

RT: 19.99 min Scan# 2844

Delta R.T. 0.37 min

Lab File: BG036071.D

Acq: 2 Aug 2018 23:22

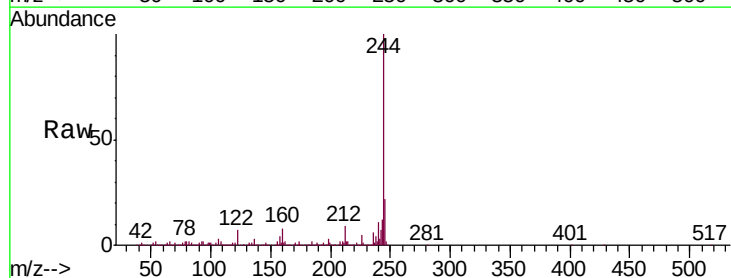
Tgt Ion:184 Resp: 21630

Ion Ratio Lower Upper

184 100

185 17.7 11.1 16.7#

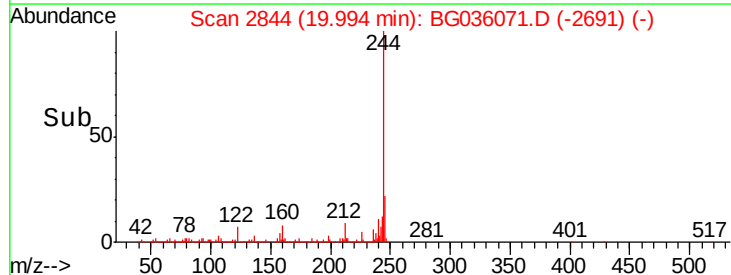
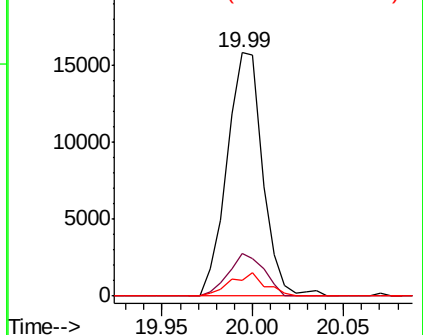
183 6.4 10.6 16.0#

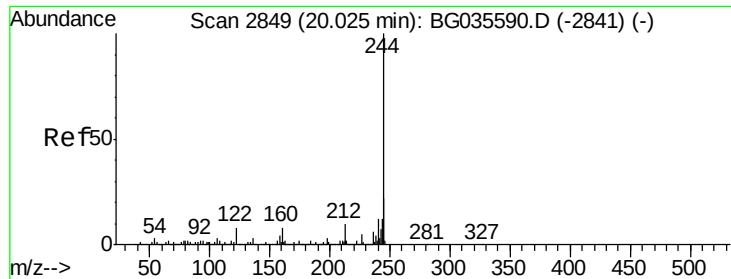


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 107.761 ng

RT: 19.99 min Scan# 2844

Delta R.T. -0.01 min

Lab File: BG036071.D

Acq: 2 Aug 2018 23:22

Instrument :

BNA_G

ClientSampleId :

FS-RO-226

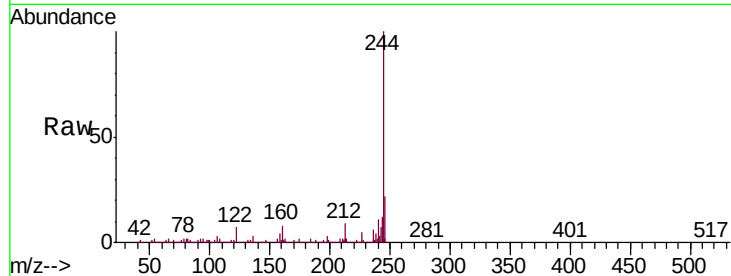
Tgt Ion:244 Resp: 1312446

Ion Ratio Lower Upper

244 100

212 9.4 5.8 8.8#

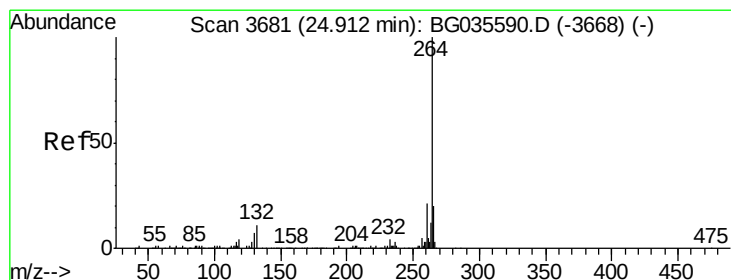
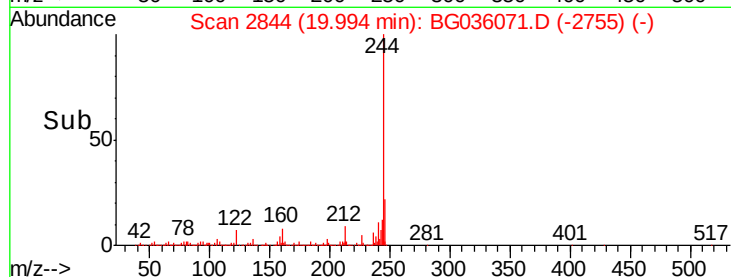
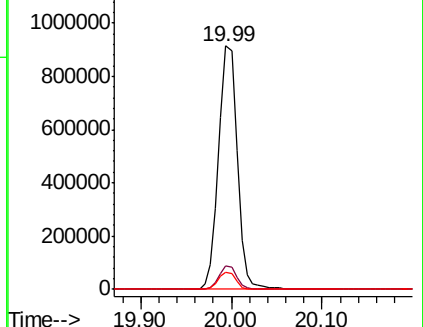
122 7.0 7.0 10.4



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# 3671

Delta R.T. -0.01 min

Lab File: BG036071.D

Acq: 2 Aug 2018 23:22

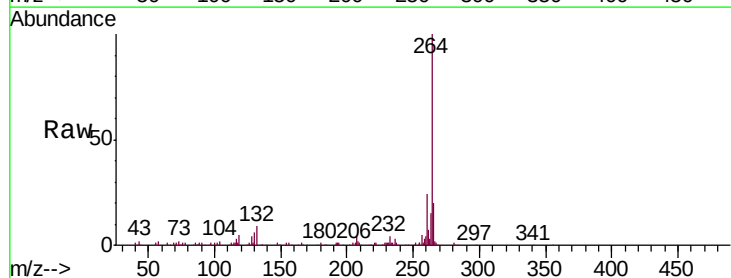
Tgt Ion:264 Resp: 232501

Ion Ratio Lower Upper

264 100

260 23.7 17.4 26.0

265 20.4 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

