

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG072718\
 Data File : BG035961.D
 Acq On : 28 Jul 2018 7:04
 Operator : JU/SJ
 Sample : J4189-12
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

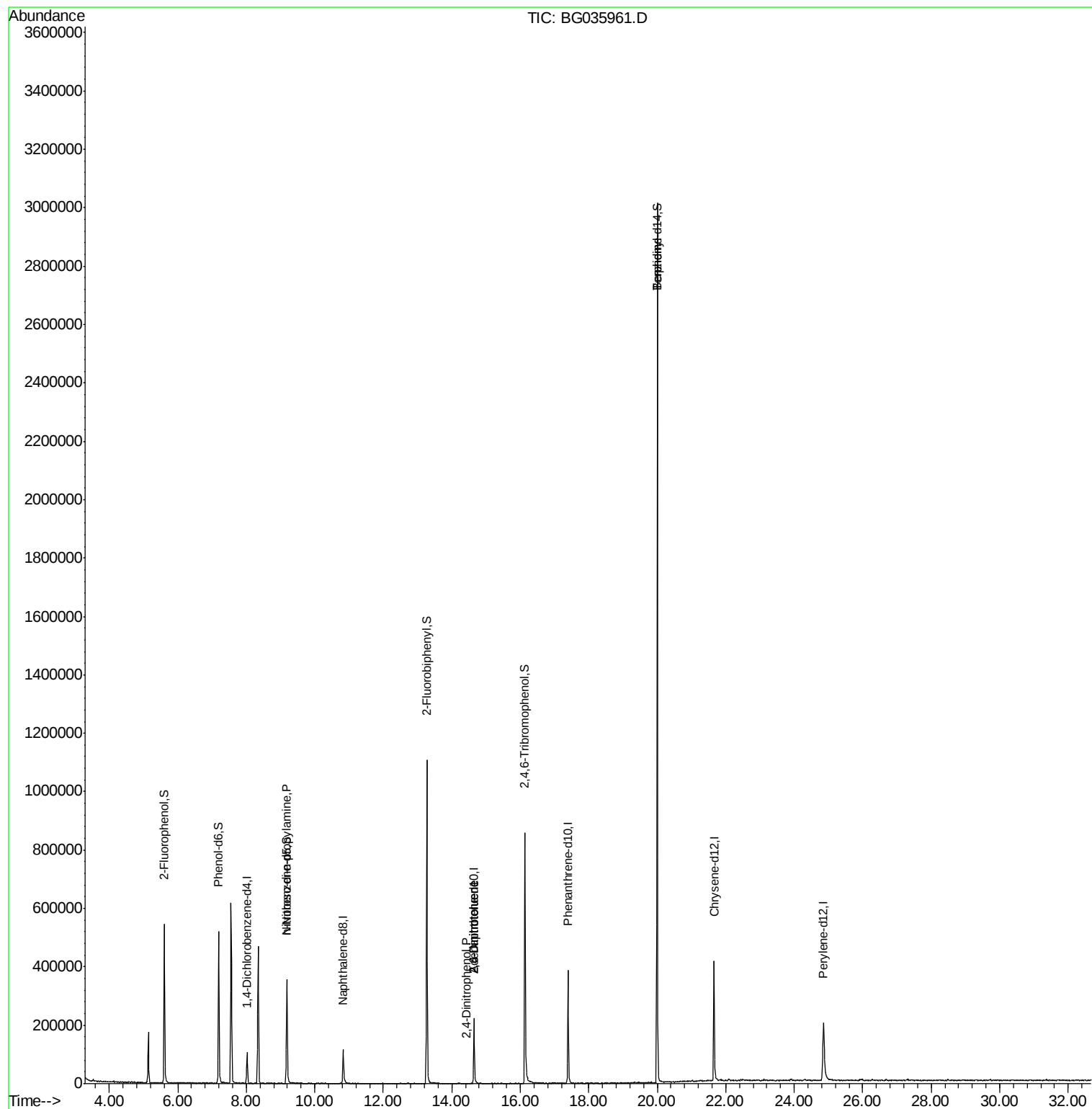
Quant Time: Jul 30 00:37:07 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 25 11:04:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	29224	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	112783	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	87164	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	270950	20.00	ng	0.00
75) Chrysene-d12	21.66	240	302736	20.00	ng	0.00
86) Perylene-d12	24.85	264	272189	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	247946	140.86	ng	0.00
7) Phenol-d6	7.19	99	328971	125.26	ng	0.00
23) Nitrobenzene-d5	9.18	82	258243	95.65	ng	0.00
41) 2,4,6-Tribromophenol	16.13	330	179987	156.66	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	638164	98.09	ng	0.00
78) Terphenyl-d14	20.00	244	1398503	101.83	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	35308	15.965	ng	# 69
50) 2,6-Dinitrotoluene	14.65	165	10937	7.033	ng	# 18
53) 2,4-Dinitrophenol	14.43	184	54	6.644	ng	# 1
56) 2,4-Dinitrotoluene	14.65	165	10937	4.902	ng	# 16
76) Benzidine	20.00	184	24774	3.113	ng	# 95

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

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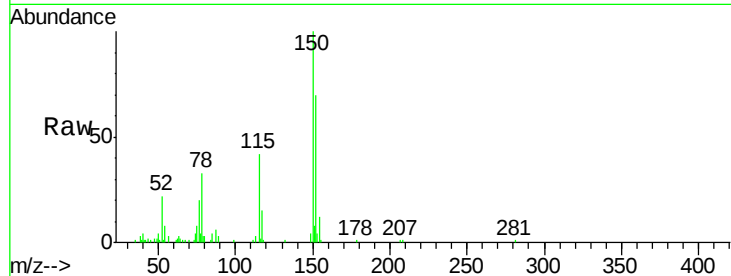




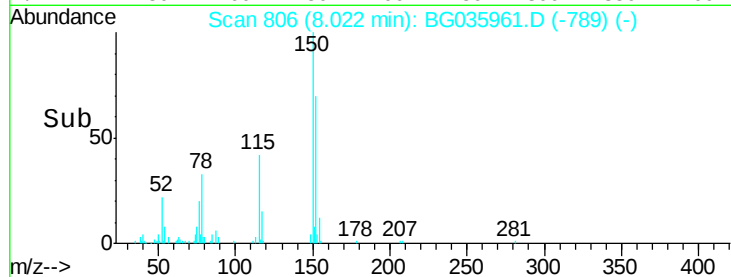
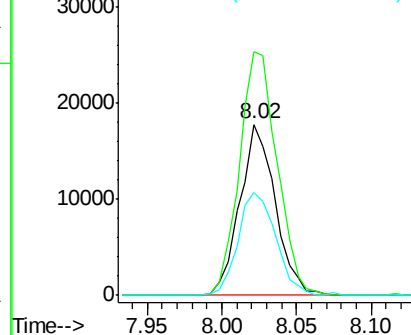
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 806
Delta R.T. -0.00 min
Lab File: BG035961.D
Acq: 28 Jul 2018 7:04

Tgt Ion	Ratio	Lower	Upper
152	100		
150	142.4	126.6	189.8
115	60.1	53.0	79.4



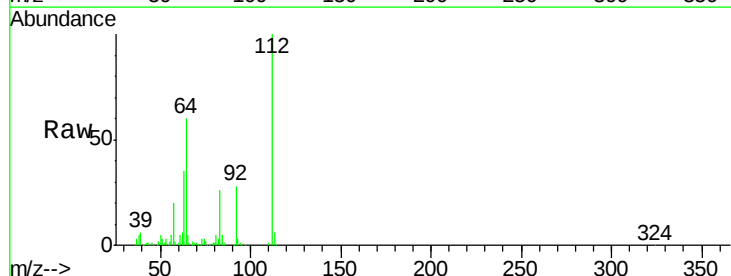
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



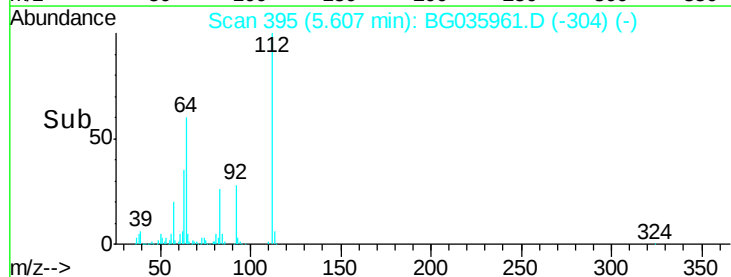
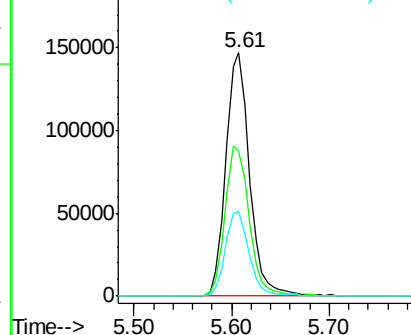
#5

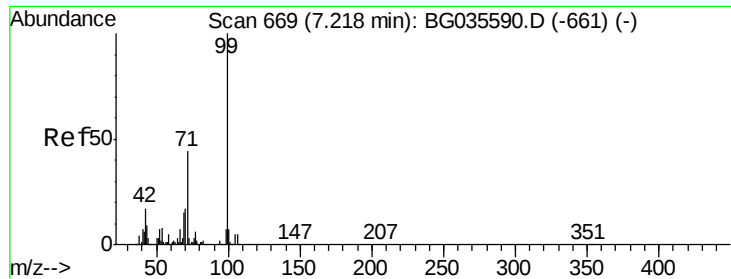
2-Fluorophenol
Concen: 140.860 ng
RT: 5.61 min Scan# 395
Delta R.T. 0.00 min
Lab File: BG035961.D
Acq: 28 Jul 2018 7:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	56.3	84.5
63	34.8	30.1	45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 125.263 ng

RT: 7.19 min Scan# 665

Delta R.T. -0.00 min

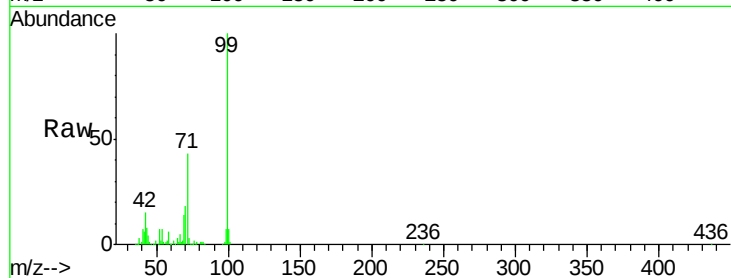
Lab File: BG035961.D

Acq: 28 Jul 2018 7:04

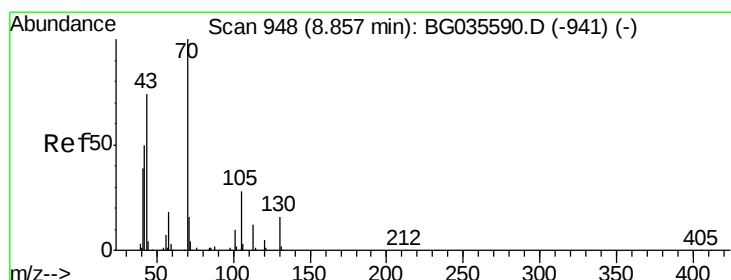
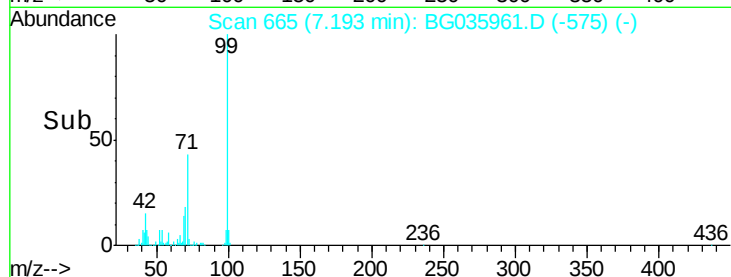
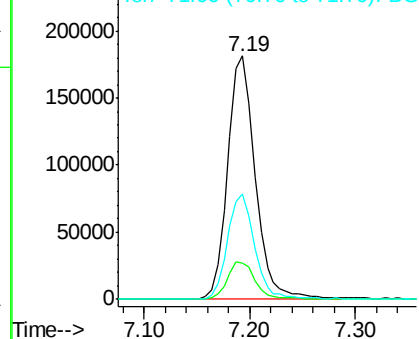
Tgt Ion: 99 Resp: 328971

Ion Ratio Lower Upper

99	100		
42	14.9	14.1	21.1
71	43.4	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: 15.965 ng

RT: 9.18 min Scan# 1004

Delta R.T. 0.36 min

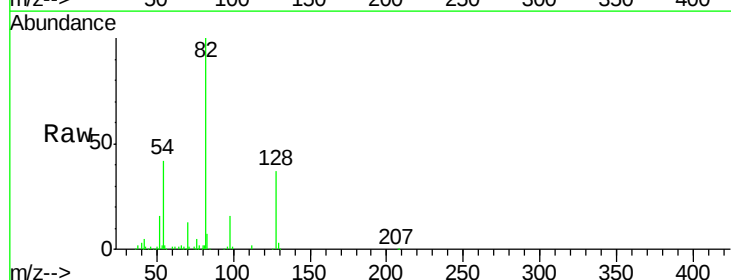
Lab File: BG035961.D

Acq: 28 Jul 2018 7:04

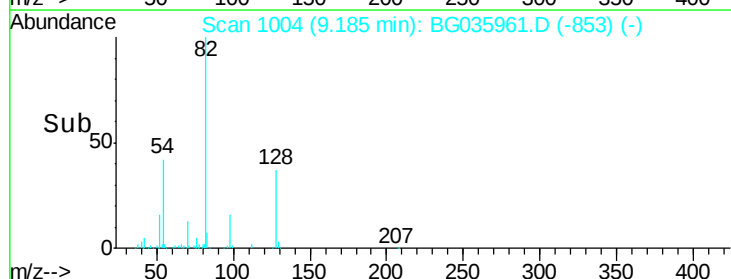
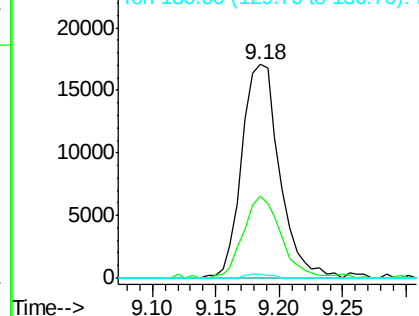
Tgt Ion: 70 Resp: 35308

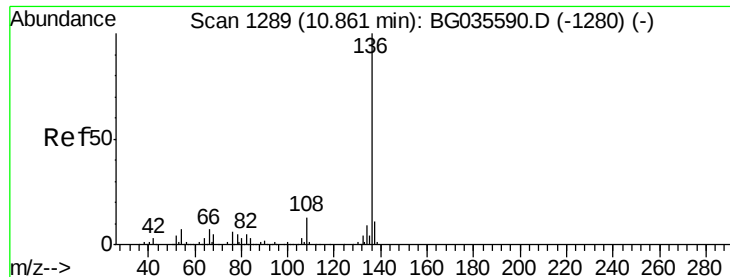
Ion Ratio Lower Upper

70	100		
42	38.3	49.1	73.7#
101	0.0	8.5	12.7#
130	1.9	13.4	20.0#



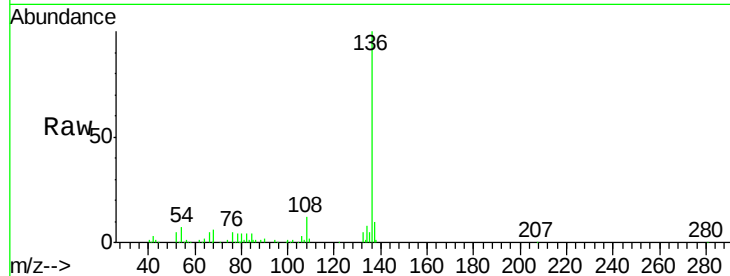
Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC



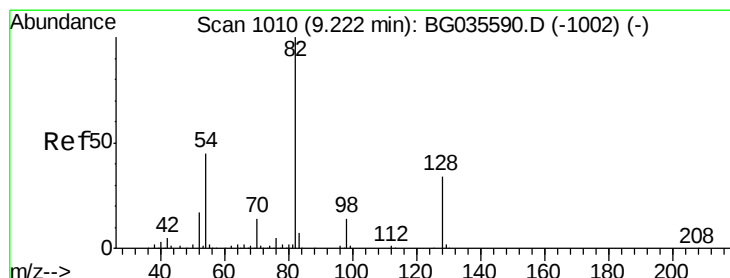
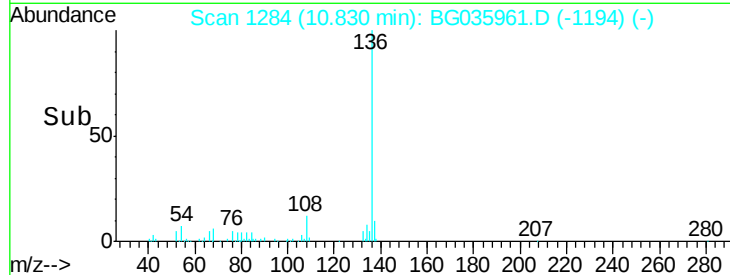
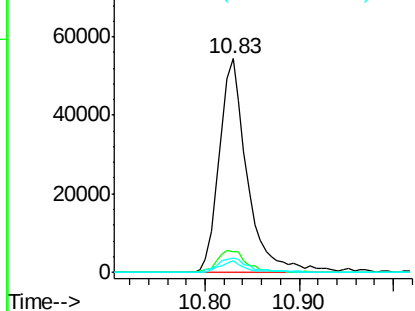


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BG035961.D
Acq: 28 Jul 2018 7:04

Tgt Ion:	136	Resp:	112783
Ion	Ratio	Lower	Upper
136	100		
137	9.9	9.2	13.8
54	6.9	10.3	15.5#
68	5.5	4.5	6.7

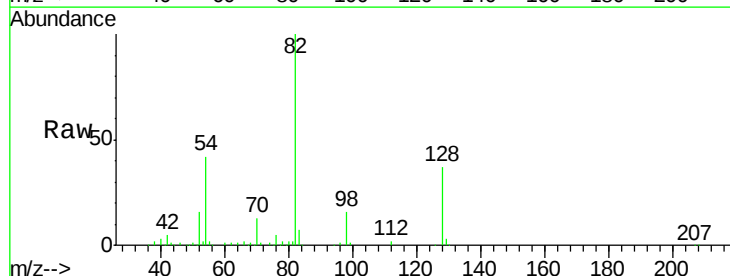


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

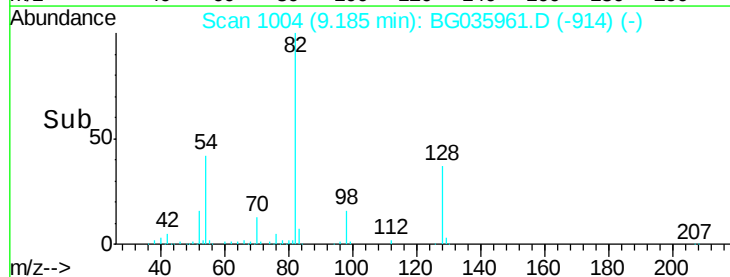
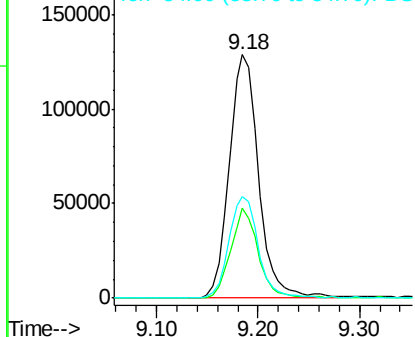


#23
Nitrobenzene-d5
Concen: 95.653 ng
RT: 9.18 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BG035961.D
Acq: 28 Jul 2018 7:04

Tgt Ion:	82	Resp:	258243
Ion	Ratio	Lower	Upper
82	100		
128	37.2	29.7	44.5
54	41.6	43.1	64.7#



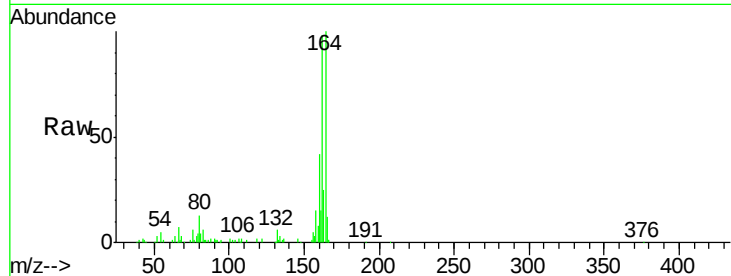
Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC



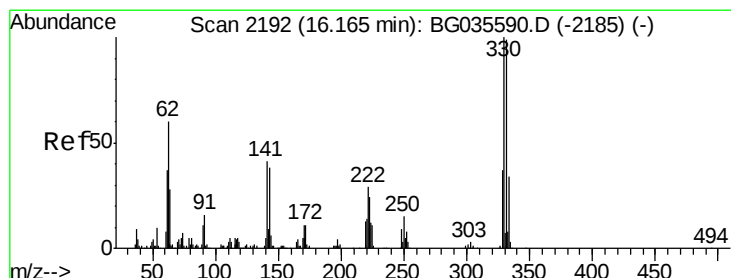
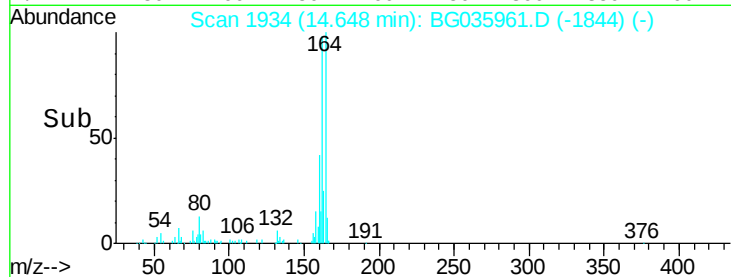
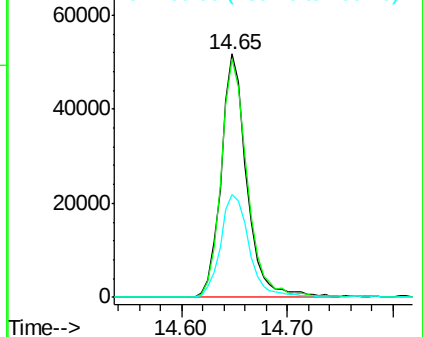


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1934
Delta R.T. -0.00 min
Lab File: BG035961.D
Acq: 28 Jul 2018 7:04

Tgt Ion:164 Resp: 87164
Ion Ratio Lower Upper
164 100
162 98.1 78.8 118.2
160 42.4 35.4 53.0

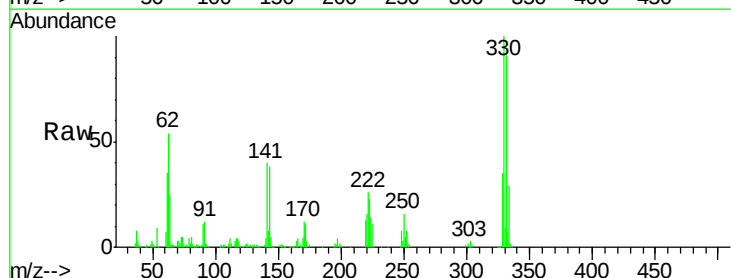


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

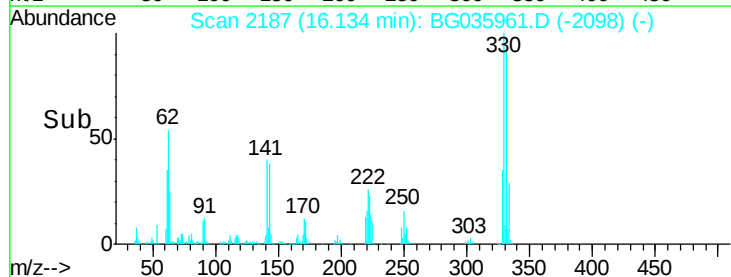
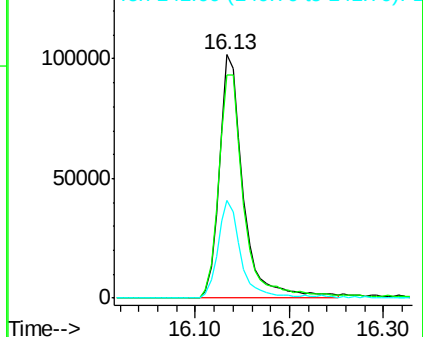


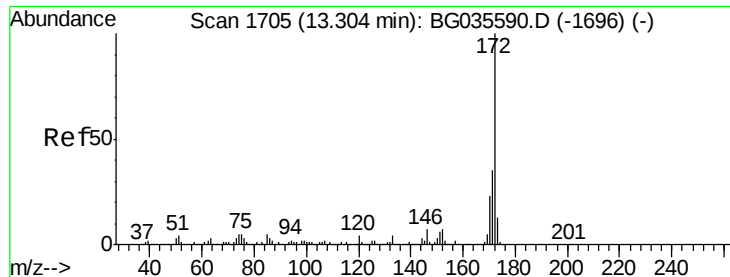
#41
2,4,6-Tribromophenol
Concen: 156.663 ng
RT: 16.13 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BG035961.D
Acq: 28 Jul 2018 7:04

Tgt Ion:330 Resp: 179987
Ion Ratio Lower Upper
330 100
332 96.0 77.0 115.6
141 38.0 25.2 37.8#



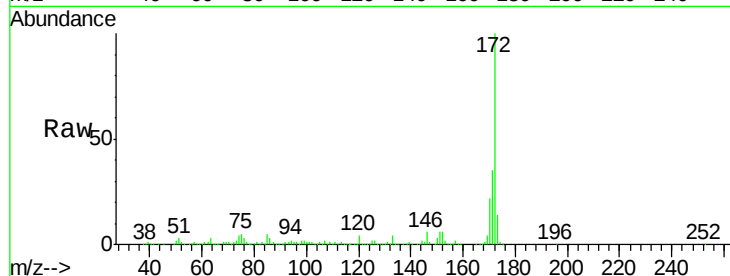
Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



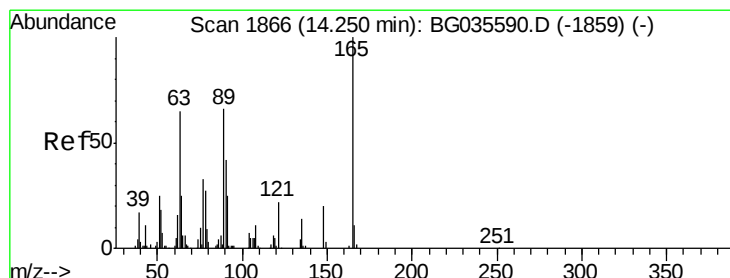
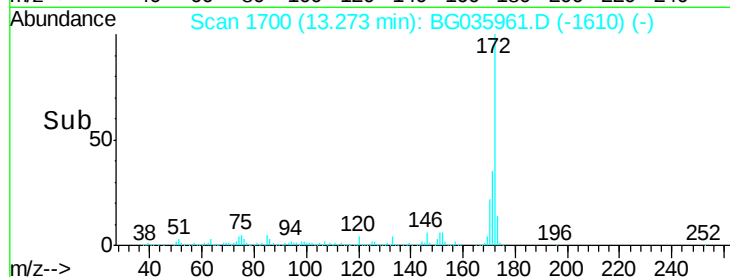
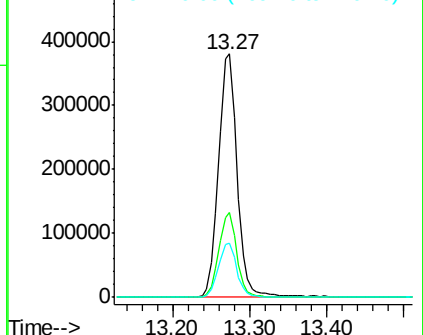


#44
 2-Fluorobiphenyl
 Concen: 98.088 ng
 RT: 13.27 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: BG035961.D
 Acq: 28 Jul 2018 7:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	30.0	45.0
170	22.3	19.5	29.3

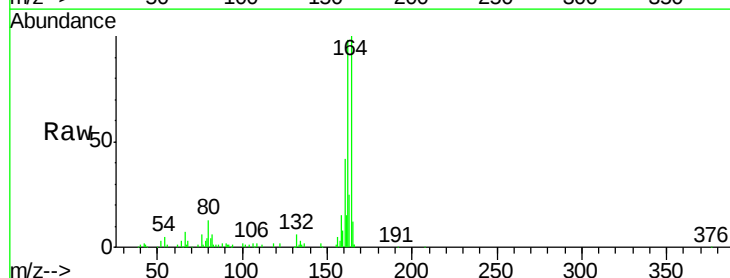


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

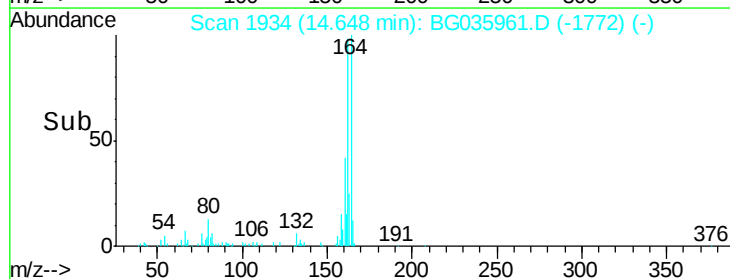
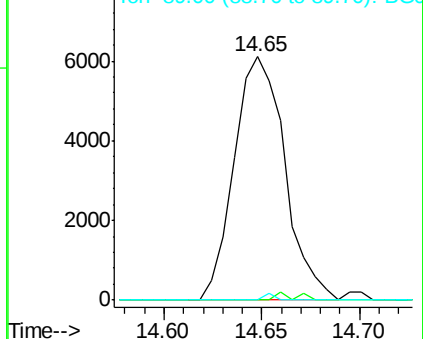


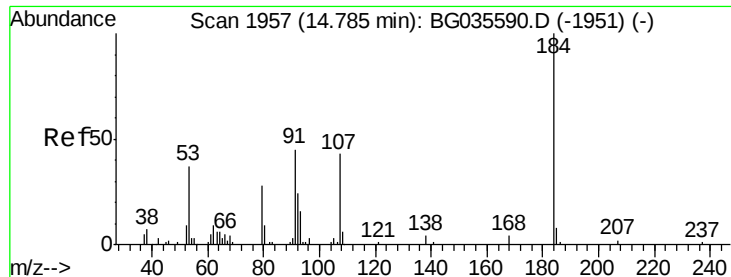
#50
 2,6-Dinitrotoluene
 Concen: 7.033 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. 0.42 min
 Lab File: BG035961.D
 Acq: 28 Jul 2018 7:04

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



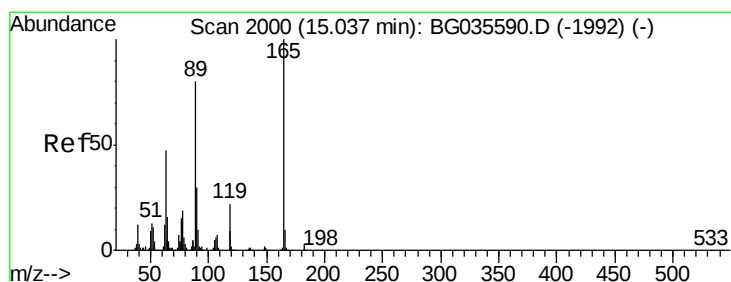
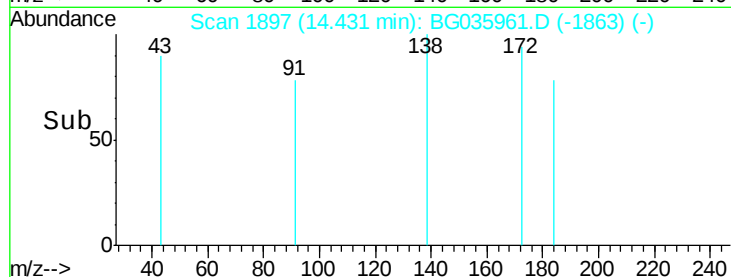
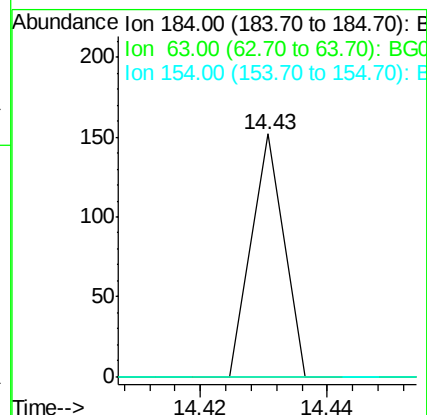
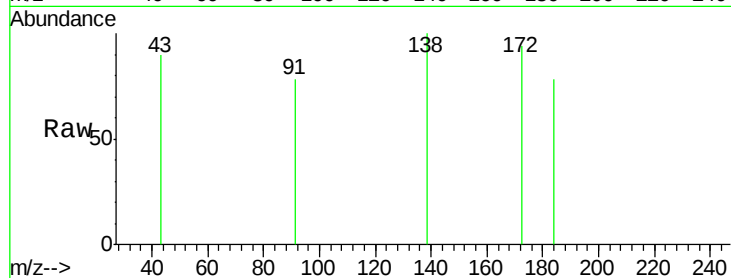
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG0
 Ion 89.00 (88.70 to 89.70): BG0





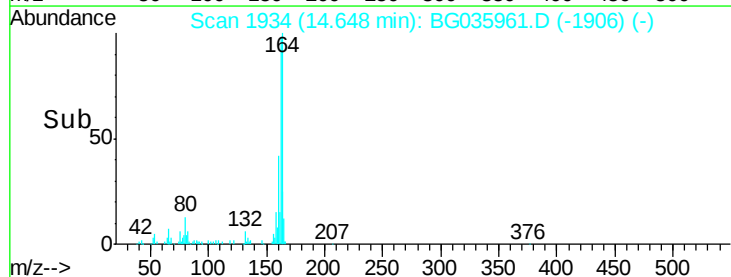
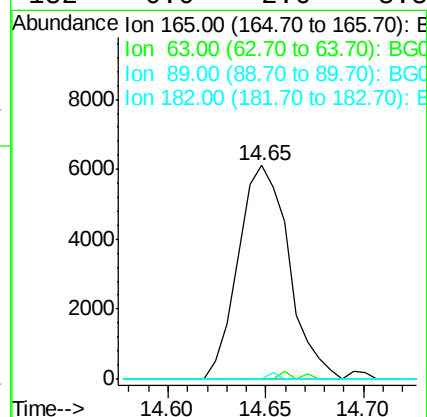
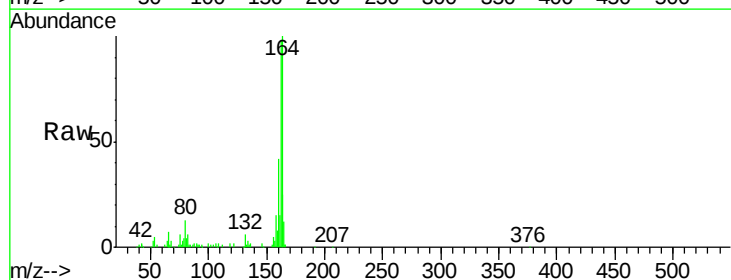
#53
 2,4-Dinitrophenol
 Concen: 6.644 ng
 RT: 14.43 min Scan# 1897
 Delta R.T. -0.33 min
 Lab File: BG035961.D
 Acq: 28 Jul 2018 7:04

Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	59.8	89.8#
154	0.0	101.8	152.8#



#56
 2,4-Dinitrotoluene
 Concen: 4.902 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. -0.37 min
 Lab File: BG035961.D
 Acq: 28 Jul 2018 7:04

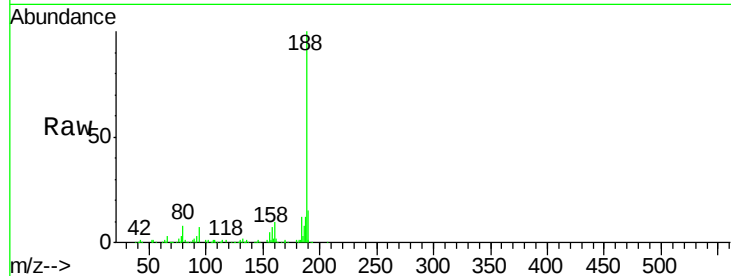
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#





#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.39 min Scan# 2401
Delta R.T. -0.00 min
Lab File: BG035961.D
Acq: 28 Jul 2018 7:04

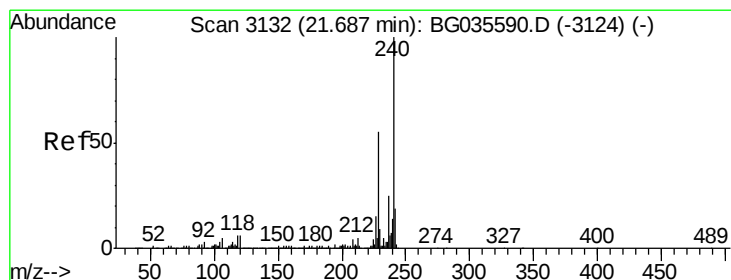
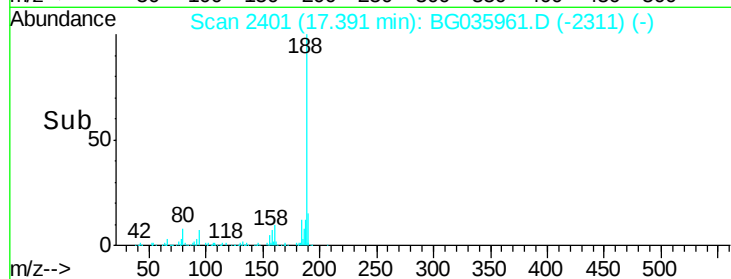
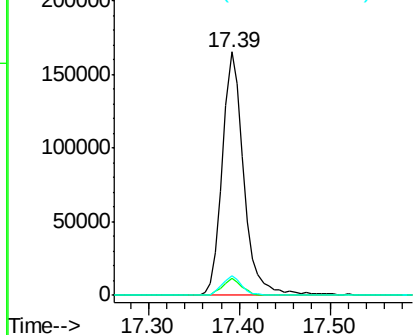
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.0	6.9	10.3
80	7.9	7.7	11.5



Abundance Ion 188.00 (187.70 to 188.70): E

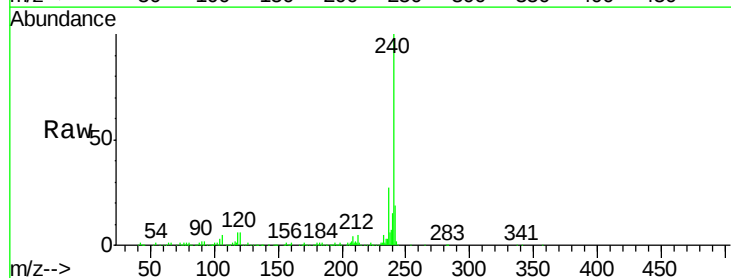
Ion 94.00 (93.70 to 94.70): B

Ion 80.00 (79.70 to 80.70): B



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3127
Delta R.T. -0.00 min
Lab File: BG035961.D
Acq: 28 Jul 2018 7:04

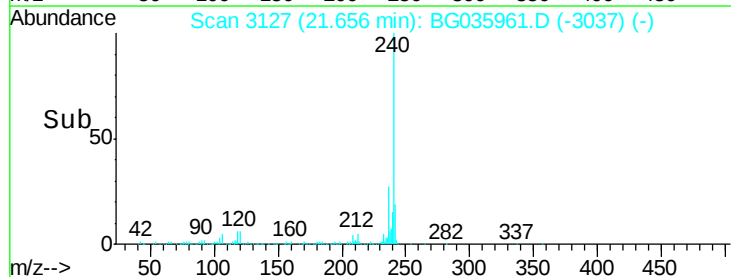
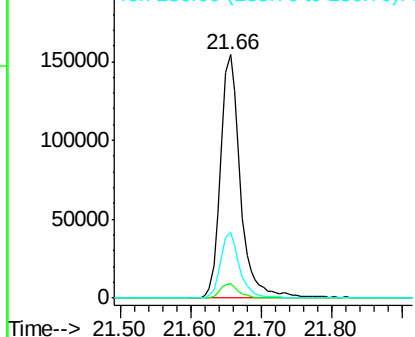
Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.1	6.8	10.2#
236	27.1	20.9	31.3



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: 3.113 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.37 min

Lab File: BG035961.D

Acq: 28 Jul 2018 7:04

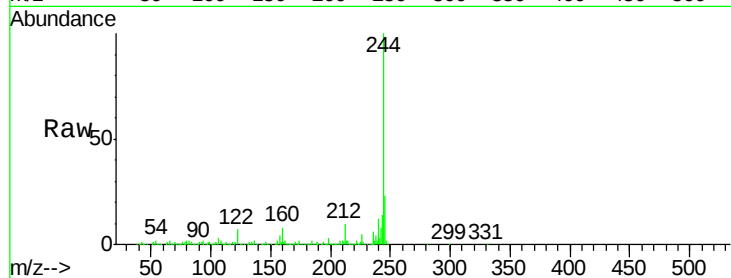
Tgt Ion:184 Resp: 24774

Ion Ratio Lower Upper

184 100

185 15.0 11.1 16.7

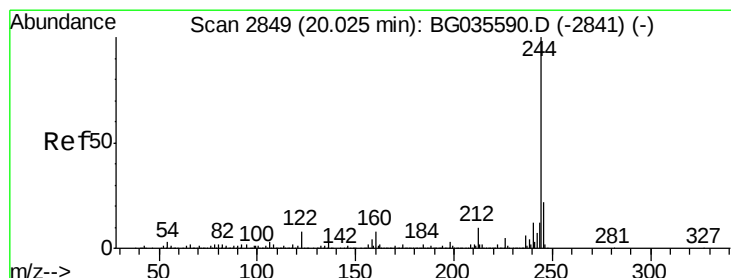
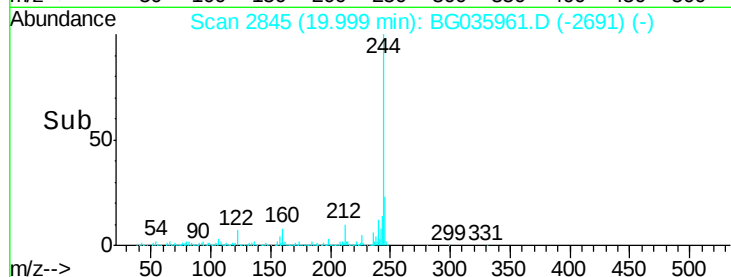
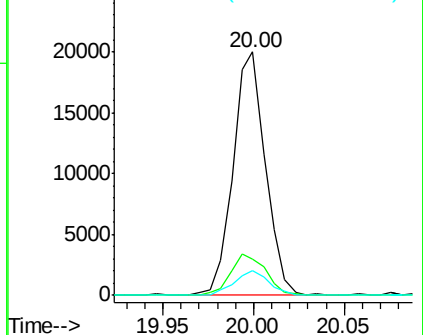
183 10.2 10.6 16.0#



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: 101.829 ng

RT: 20.00 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BG035961.D

Acq: 28 Jul 2018 7:04

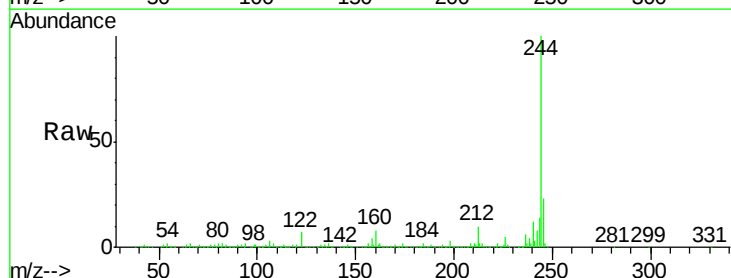
Tgt Ion:244 Resp: 1398503

Ion Ratio Lower Upper

244 100

212 9.9 5.8 8.8#

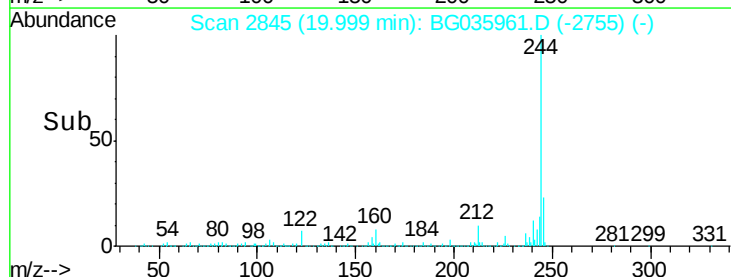
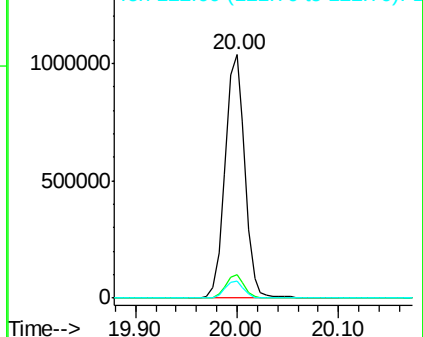
122 7.1 7.0 10.4

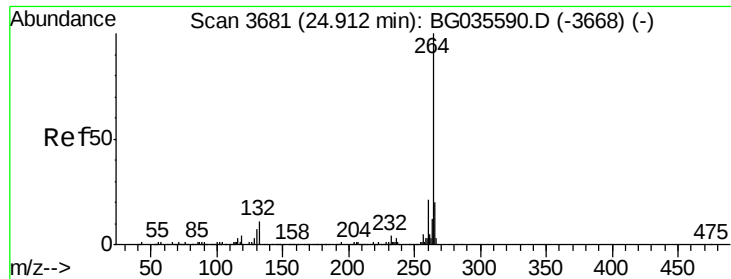


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG035961.D
Acq: 28 Jul 2018 7:04

Tgt Ion:	264	Resp:	272189
Ion	Ratio	Lower	Upper
264	100		
260	24.1	17.4	26.0
265	19.6	17.7	26.5

