

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG072718\
 Data File : BG035947.D
 Acq On : 27 Jul 2018 21:18
 Operator : JU/SJ
 Sample : PB111523BL
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

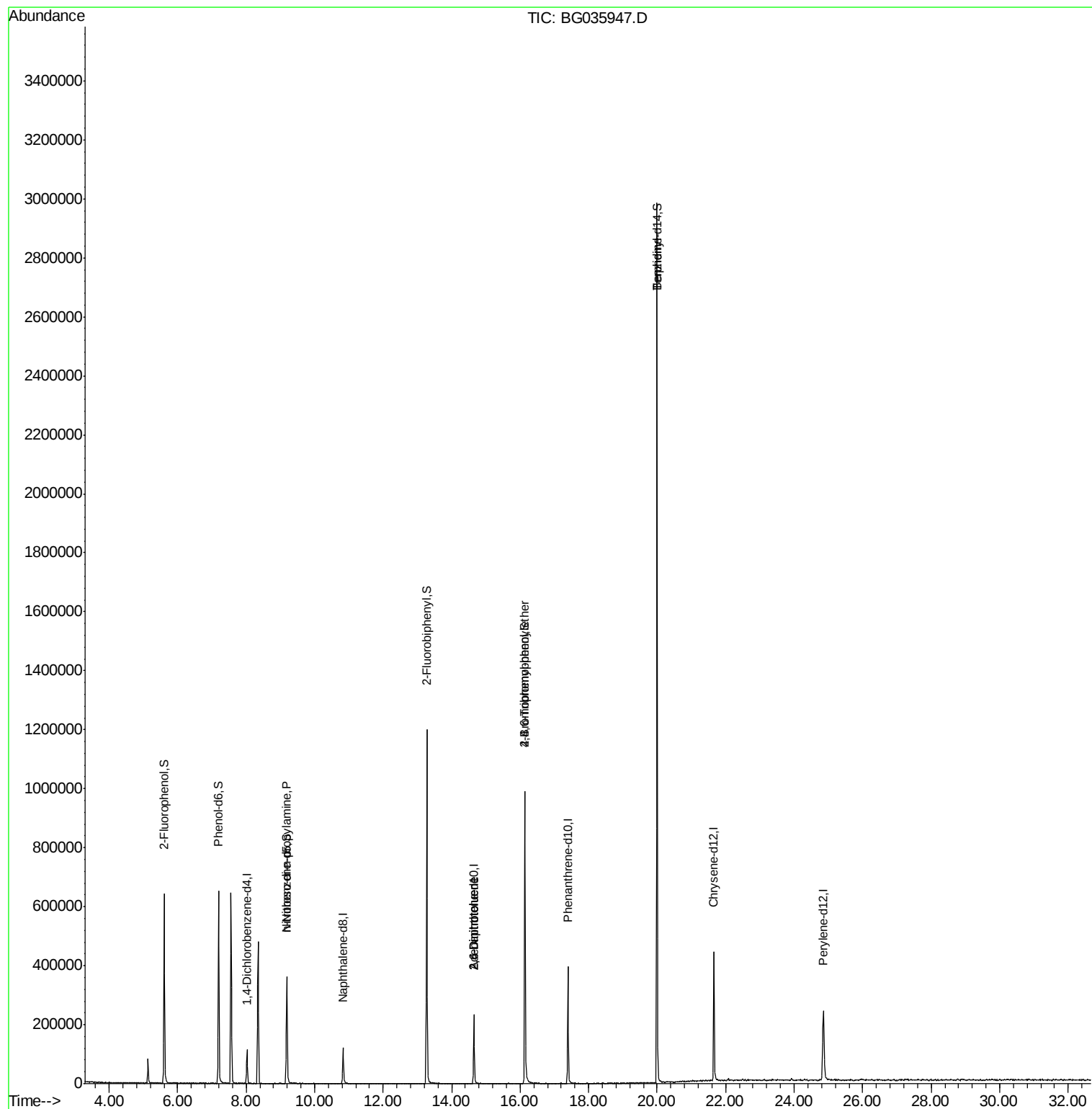
Quant Time: Jul 27 23:17:32 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 25 11:04:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	31583	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	121797	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	92861	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	281697	20.00	ng	0.00
75) Chrysene-d12	21.65	240	306188	20.00	ng	0.00
86) Perylene-d12	24.85	264	284479	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	287486	151.12	ng	0.00
7) Phenol-d6	7.19	99	416460	146.73	ng	0.00
23) Nitrobenzene-d5	9.19	82	266379	91.36	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	200997	164.22	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	677534	97.75	ng	0.00
78) Terphenyl-d14	20.00	244	1419871	102.22	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	36561	15.297	ng	# 68
50) 2,6-Dinitrotoluene	14.64	165	11887	7.175	ng	# 20
56) 2,4-Dinitrotoluene	14.64	165	11887	5.001	ng	# 17
66) 4-Bromophenyl-phenylether	16.14	248	15921	4.872	ng	# 1
76) Benzidine	20.00	184	23490	2.918	ng	# 87

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

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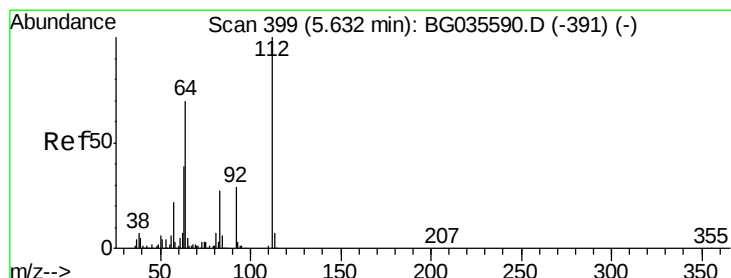
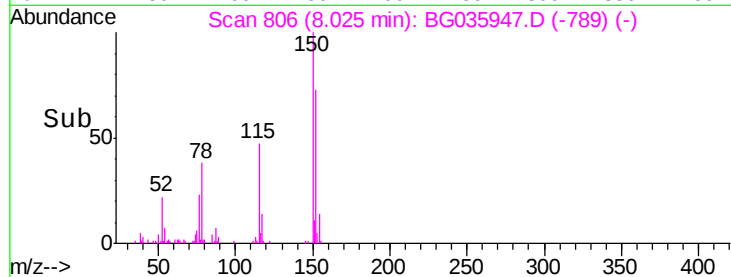
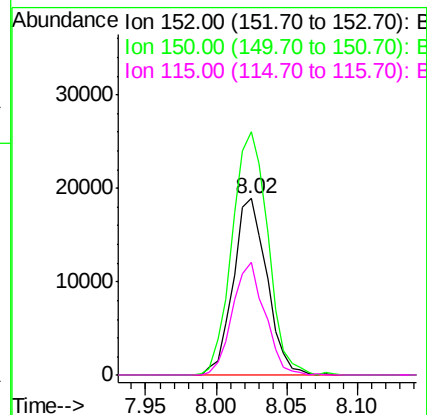
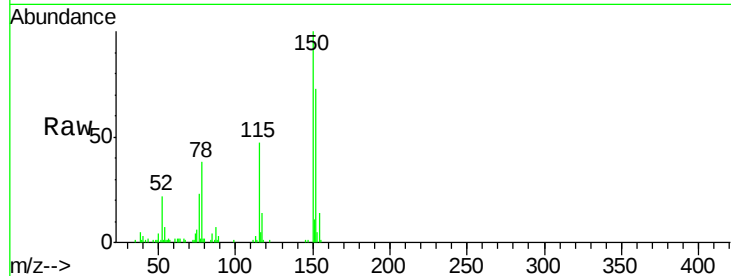




#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 806
Delta R.T. 0.00 min
Lab File: BG035947.D
Acq: 27 Jul 2018 21:18

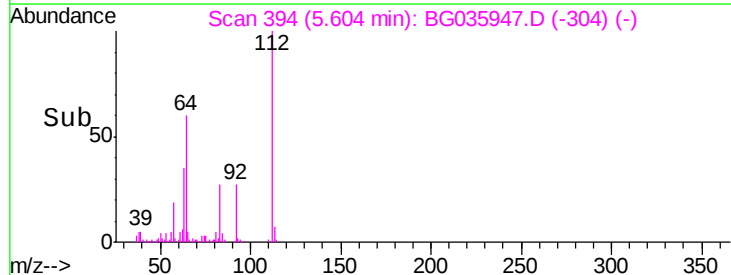
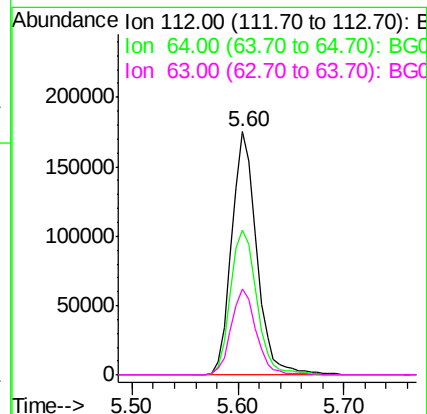
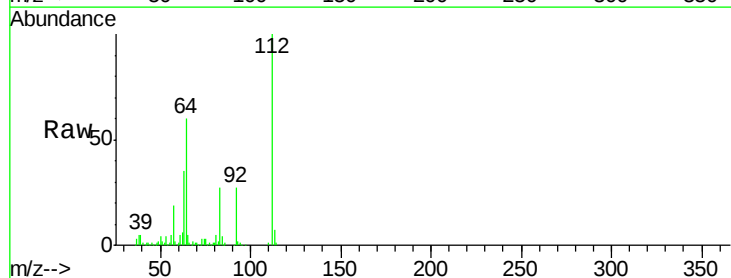
Tgt Ion	Ratio	Lower	Upper
152	100		
150	137.7	126.6	189.8
115	64.2	53.0	79.4



#5

2-Fluorophenol
Concen: 151.124 ng
RT: 5.60 min Scan# 394
Delta R.T. 0.00 min
Lab File: BG035947.D
Acq: 27 Jul 2018 21:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	56.3	84.5
63	35.3	30.1	45.1





#7

Phenol-d6

Concen: 146.732 ng

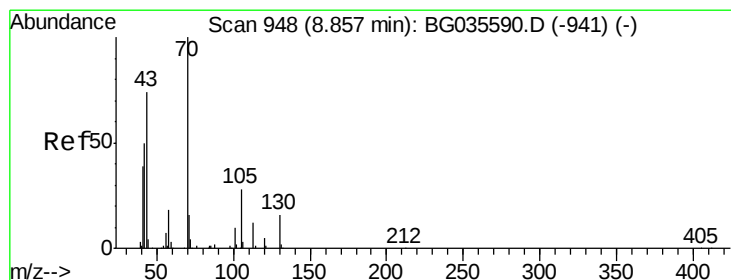
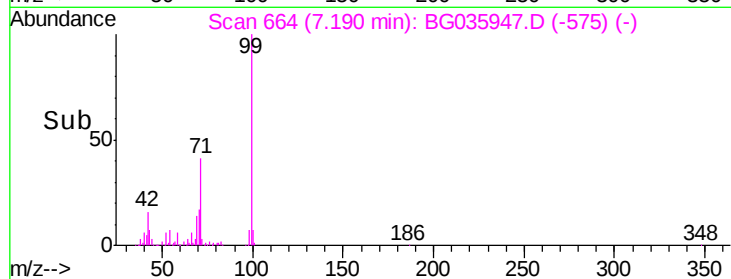
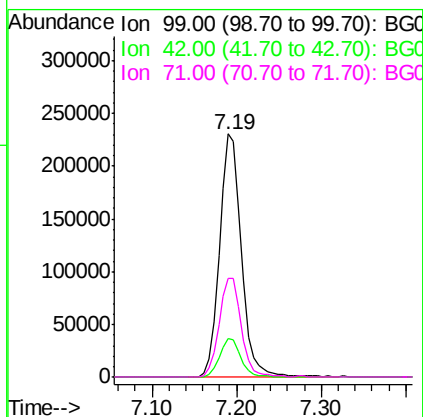
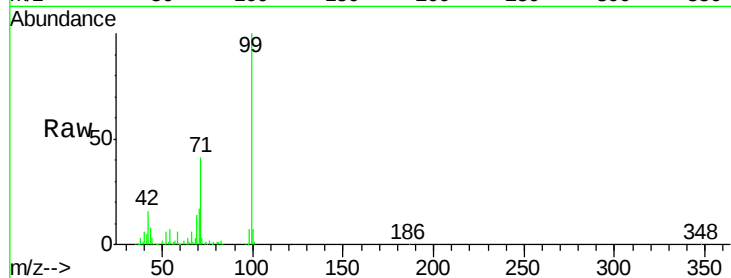
RT: 7.19 min Scan# 664

Delta R.T. -0.01 min

Lab File: BG035947.D

Acq: 27 Jul 2018 21:18

Tgt Ion:	99	Resp:	416460
Ion	Ratio	Lower	Upper
99	100		
42	16.2	14.1	21.1
71	40.9	26.1	39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 15.297 ng

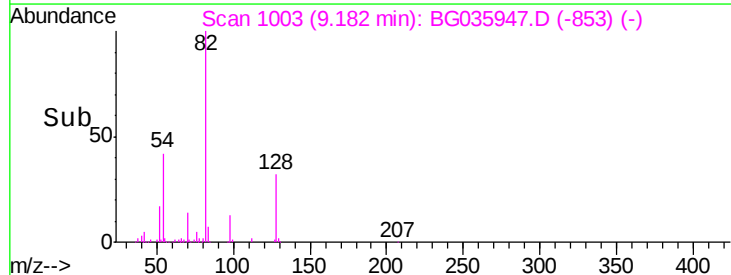
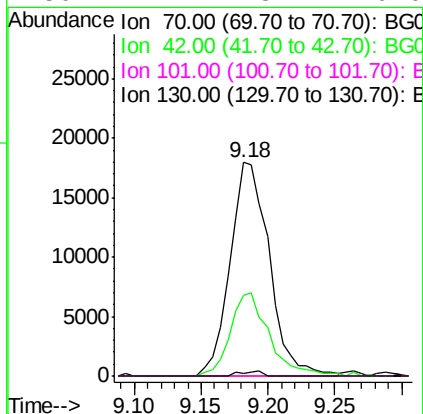
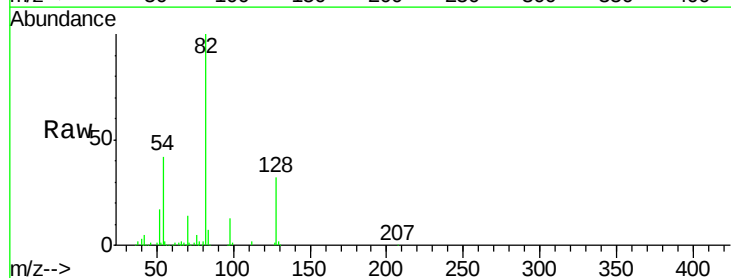
RT: 9.18 min Scan# 1003

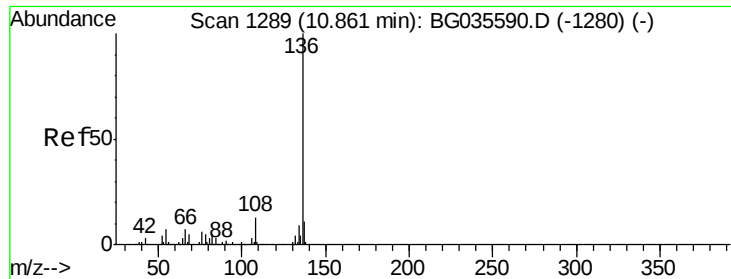
Delta R.T. 0.35 min

Lab File: BG035947.D

Acq: 27 Jul 2018 21:18

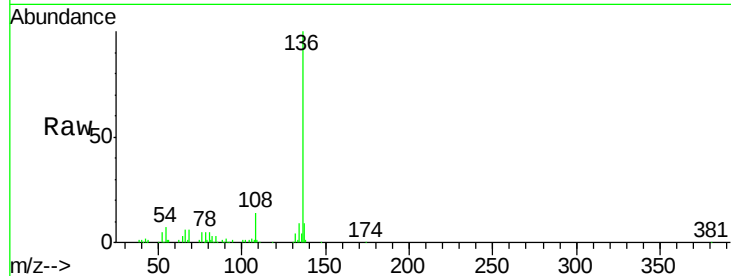
Tgt Ion:	70	Resp:	36561
Ion	Ratio	Lower	Upper
70	100		
42	37.6	49.1	73.7#
101	0.0	8.5	12.7#
130	1.4	13.4	20.0#



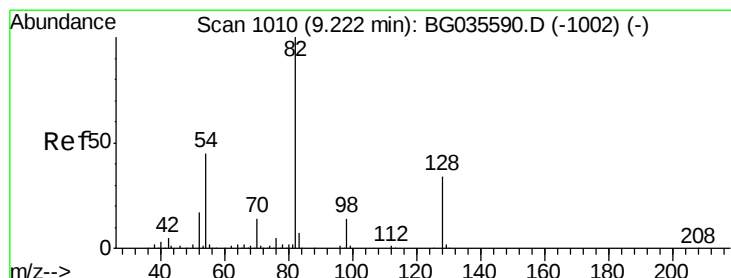
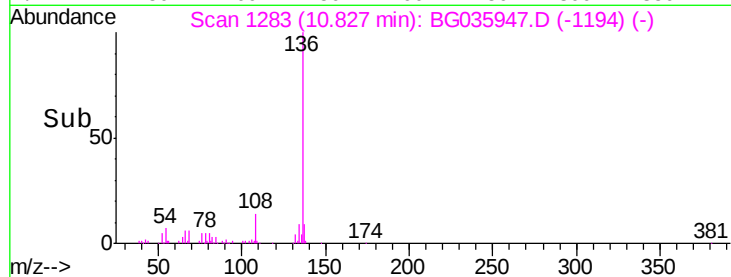
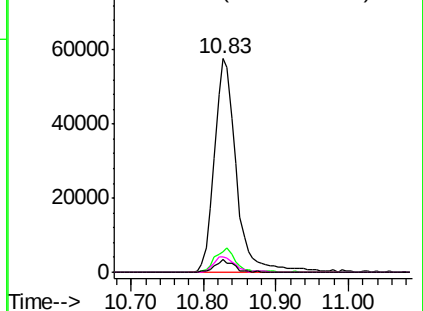


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BG035947.D
Acq: 27 Jul 2018 21:18

Tgt Ion:	136	Resp:	121797
Ion	Ratio	Lower	Upper
136	100		
137	9.4	9.2	13.8
54	7.3	10.3	15.5#
68	6.1	4.5	6.7

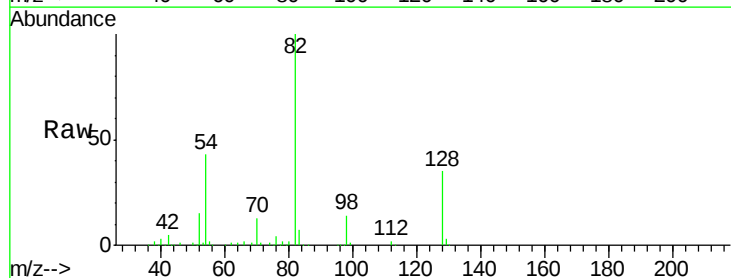


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

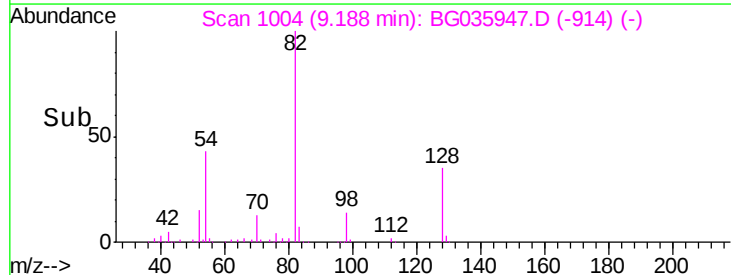
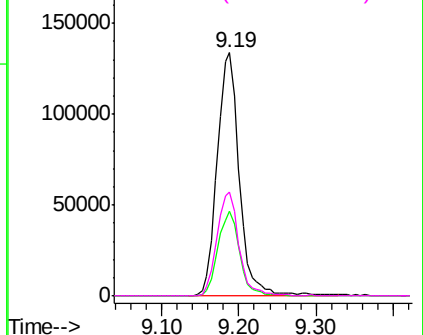


#23
Nitrobenzene-d5
Concen: 91.364 ng
RT: 9.19 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BG035947.D
Acq: 27 Jul 2018 21:18

Tgt Ion:	82	Resp:	266379
Ion	Ratio	Lower	Upper
82	100		
128	34.9	29.7	44.5
54	42.7	43.1	64.7#



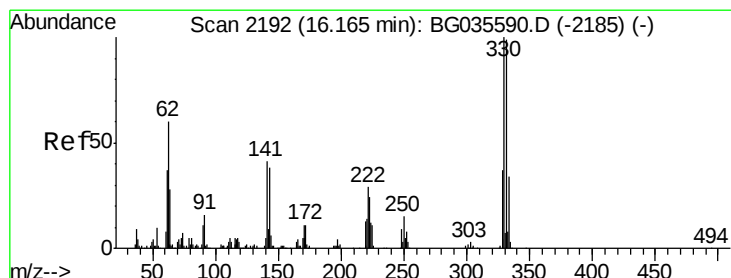
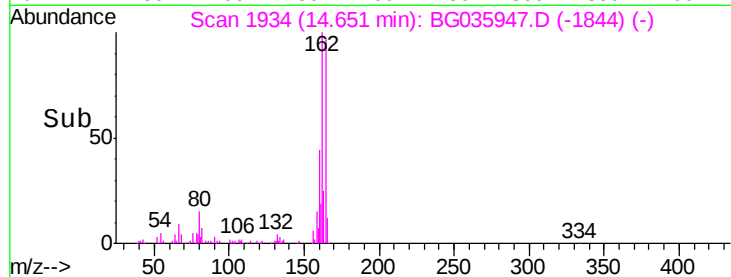
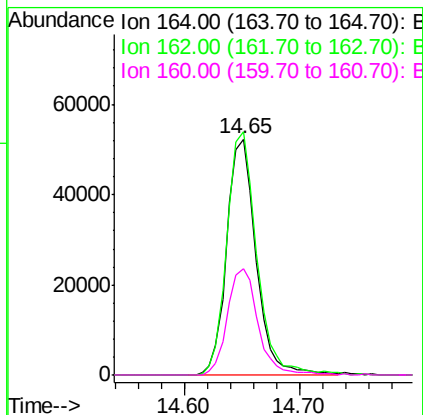
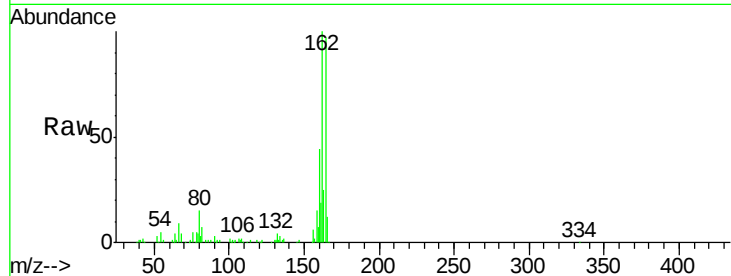
Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





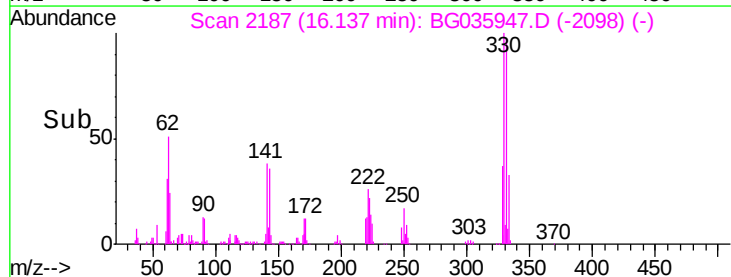
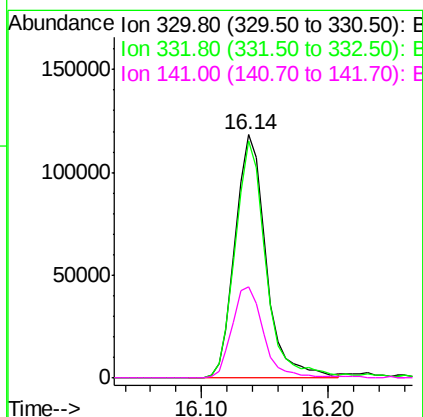
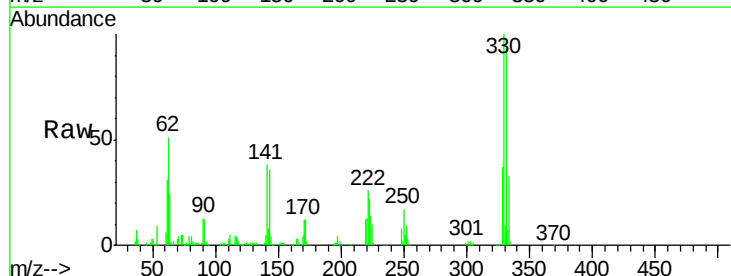
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. 0.00 min
 Lab File: BG035947.D
 Acq: 27 Jul 2018 21:18

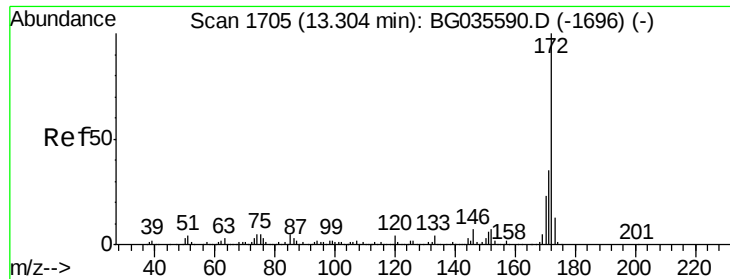
Tgt Ion:164 Resp: 92861
 Ion Ratio Lower Upper
 164 100
 162 103.1 78.8 118.2
 160 45.3 35.4 53.0



#41
 2,4,6-Tribromophenol
 Concen: 164.218 ng
 RT: 16.14 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: BG035947.D
 Acq: 27 Jul 2018 21:18

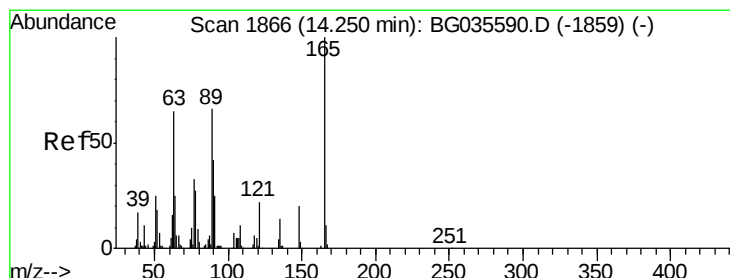
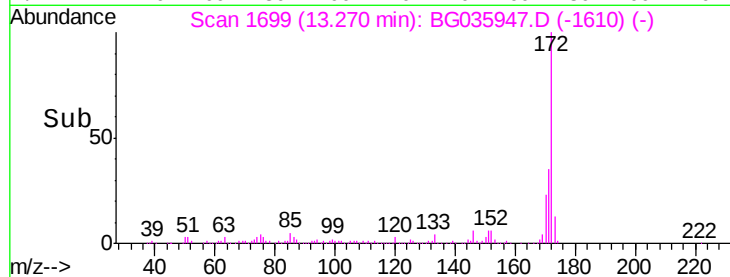
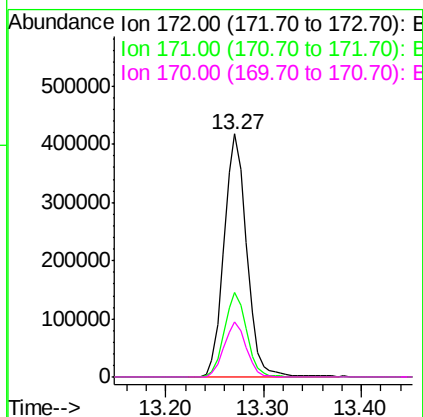
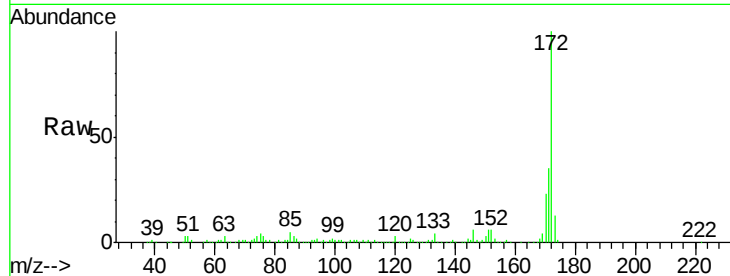
Tgt Ion:330 Resp: 200997
 Ion Ratio Lower Upper
 330 100
 332 98.3 77.0 115.6
 141 38.2 25.2 37.8#





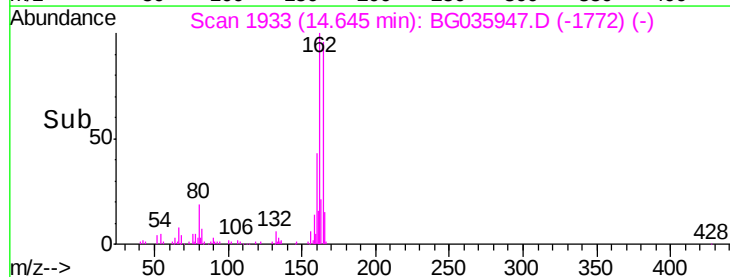
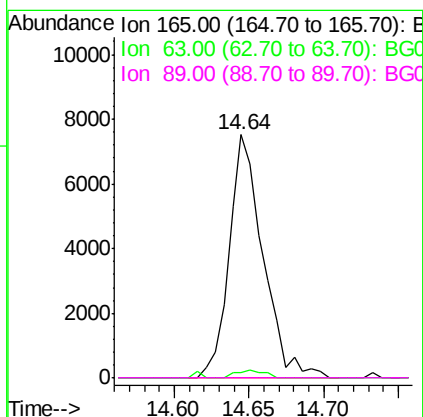
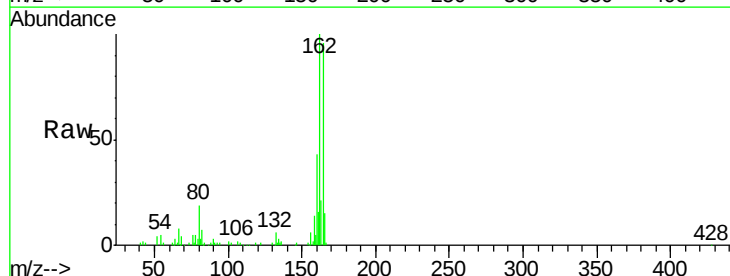
#44
 2-Fluorobiphenyl
 Concen: 97.750 ng
 RT: 13.27 min Scan# 1699
 Delta R.T. -0.01 min
 Lab File: BG035947.D
 Acq: 27 Jul 2018 21:18

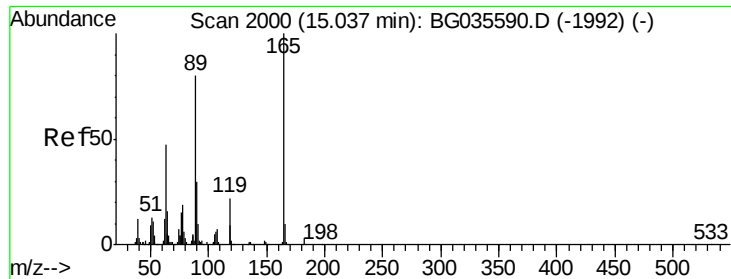
Tgt Ion:	172	Resp:	677534
Ion	Ratio	Lower	Upper
172	100		
171	34.9	30.0	45.0
170	22.7	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.175 ng
 RT: 14.64 min Scan# 1933
 Delta R.T. 0.42 min
 Lab File: BG035947.D
 Acq: 27 Jul 2018 21:18

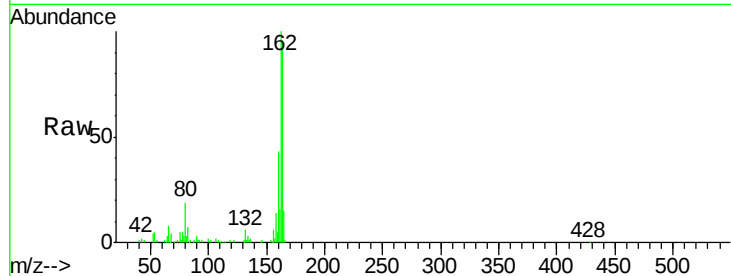
Tgt Ion:	165	Resp:	11887
Ion	Ratio	Lower	Upper
165	100		
63	2.2	52.7	79.1#
89	0.0	49.2	73.8#



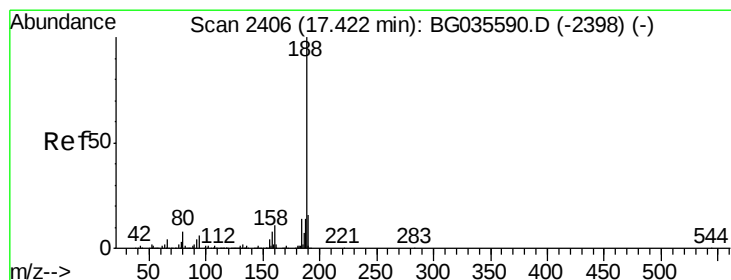
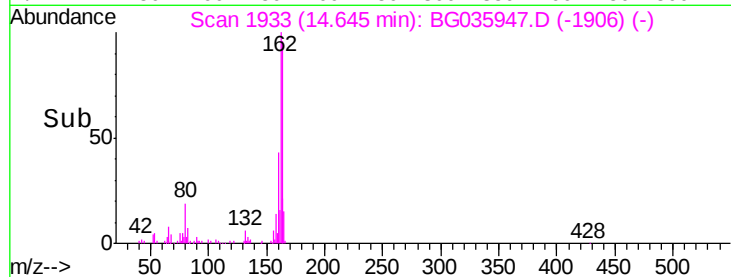
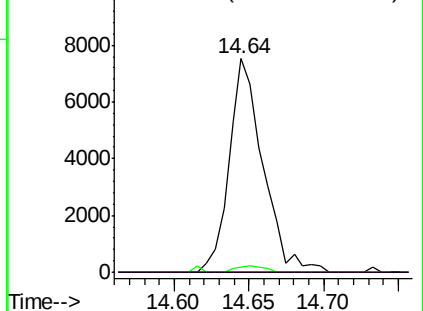


#56
 2,4-Dinitrotoluene
 Concen: 5.001 ng
 RT: 14.64 min Scan# 1933
 Delta R.T. -0.37 min
 Lab File: BG035947.D
 Acq: 27 Jul 2018 21:18

Tgt Ion:	165	Resp:	11887
Ion	Ratio	Lower	Upper
165	100		
63	2.2	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#

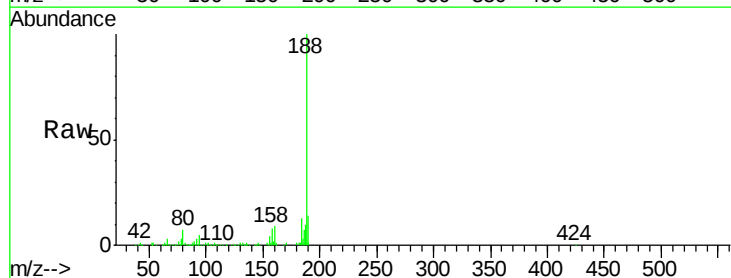


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

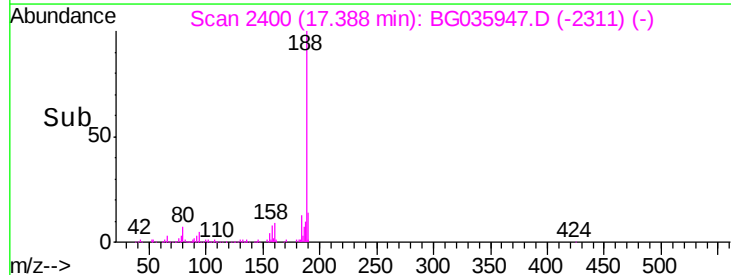
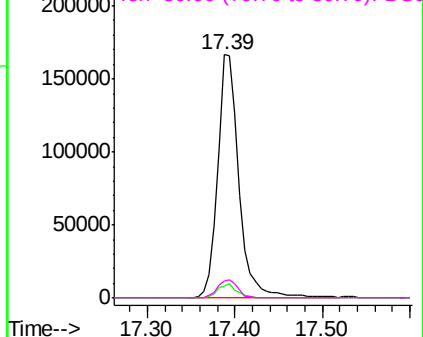


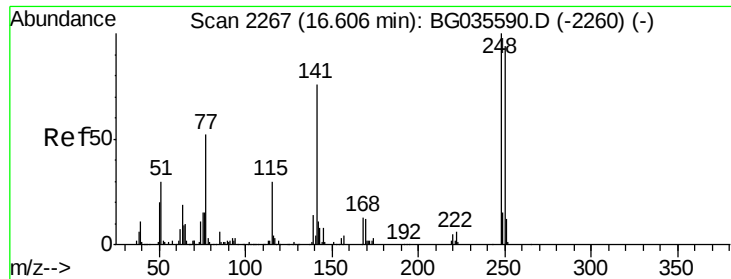
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2400
 Delta R.T. -0.01 min
 Lab File: BG035947.D
 Acq: 27 Jul 2018 21:18

Tgt Ion:	188	Resp:	281697
Ion	Ratio	Lower	Upper
188	100		
94	4.7	6.9	10.3#
80	7.2	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: 4.872 ng

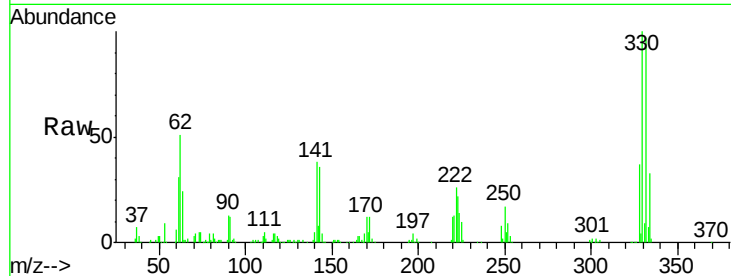
RT: 16.14 min Scan# 2187

Delta R.T. -0.45 min

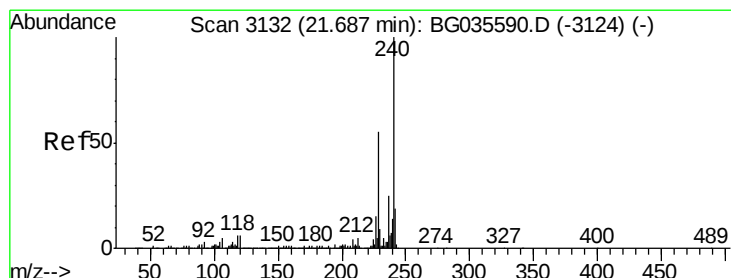
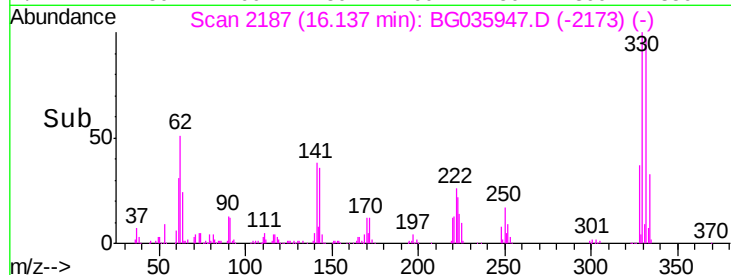
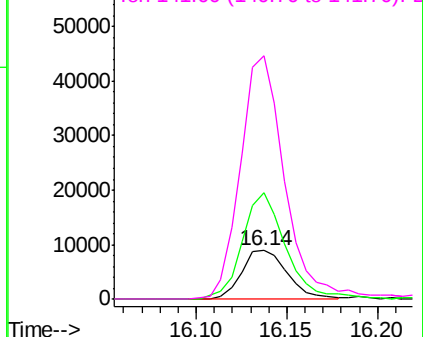
Lab File: BG035947.D

Acq: 27 Jul 2018 21:18

Tgt Ion:	248	Resp:	15921
Ion	Ratio	Lower	Upper
248	100		
250	219.0	77.1	115.7#
141	497.3	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

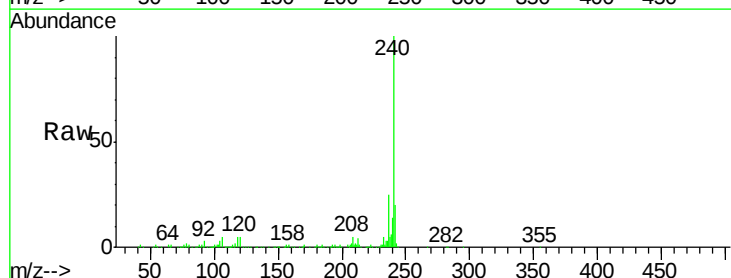
RT: 21.65 min Scan# 3126

Delta R.T. -0.01 min

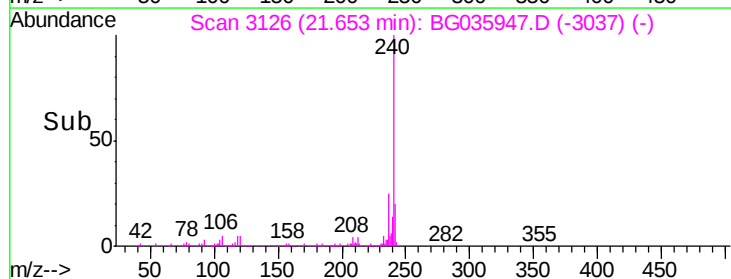
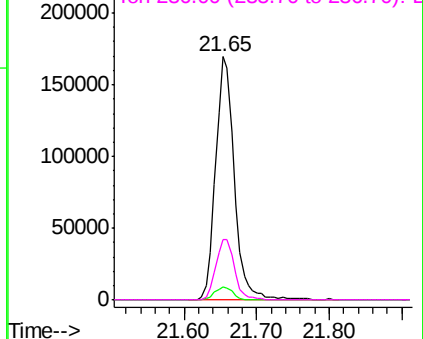
Lab File: BG035947.D

Acq: 27 Jul 2018 21:18

Tgt Ion:	240	Resp:	306188
Ion	Ratio	Lower	Upper
240	100		
120	5.5	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: 2.918 ng

RT: 20.00 min Scan# 2844

Delta R.T. 0.37 min

Lab File: BG035947.D

Acq: 27 Jul 2018 21:18

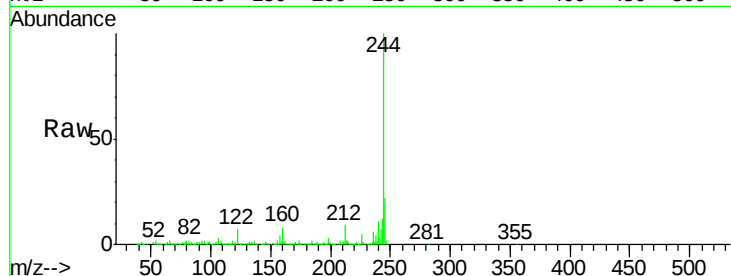
Tgt Ion:184 Resp: 23490

Ion Ratio Lower Upper

184 100

185 18.6 11.1 16.7#

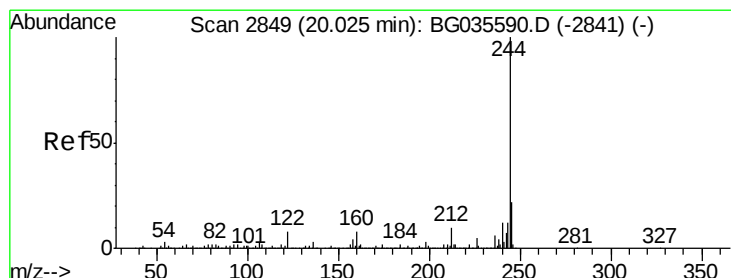
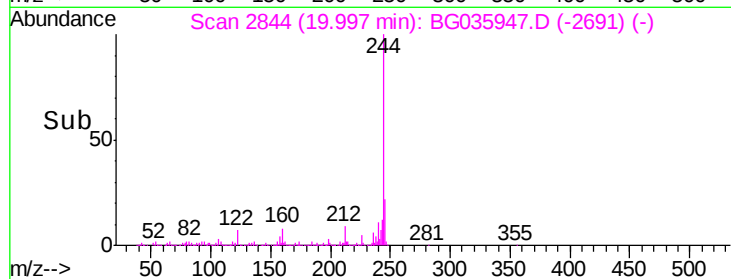
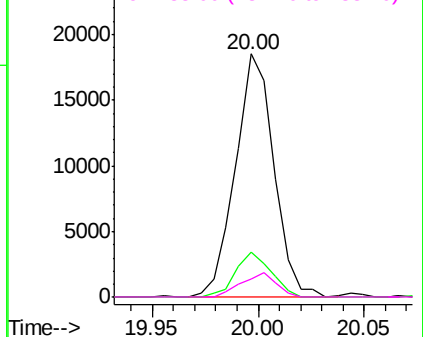
183 7.4 10.6 16.0#



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: 102.219 ng

RT: 20.00 min Scan# 2844

Delta R.T. -0.01 min

Lab File: BG035947.D

Acq: 27 Jul 2018 21:18

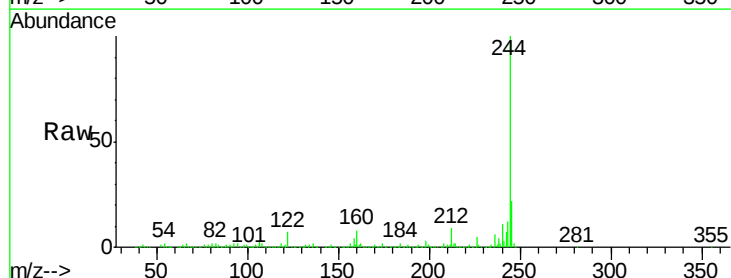
Tgt Ion:244 Resp: 1419871

Ion Ratio Lower Upper

244 100

212 9.0 5.8 8.8#

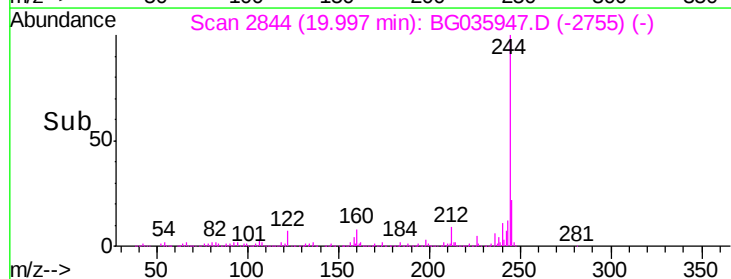
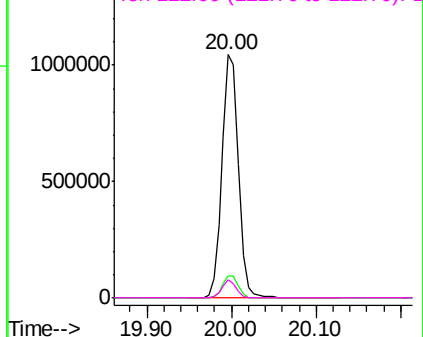
122 7.3 7.0 10.4

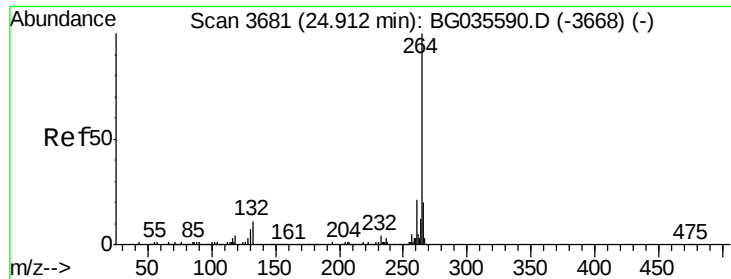


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.85 min Scan# 3670
Delta R.T. -0.01 min
Lab File: BG035947.D
Acq: 27 Jul 2018 21:18

Tgt Ion:	264	Resp:	284479
Ion	Ratio	Lower	Upper
264	100		
260	24.2	17.4	26.0
265	21.6	17.7	26.5

