

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072718\
 Data File : BG035935.D
 Acq On : 27 Jul 2018 13:29
 Operator : JU/SJ
 Sample : PB111458TB
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

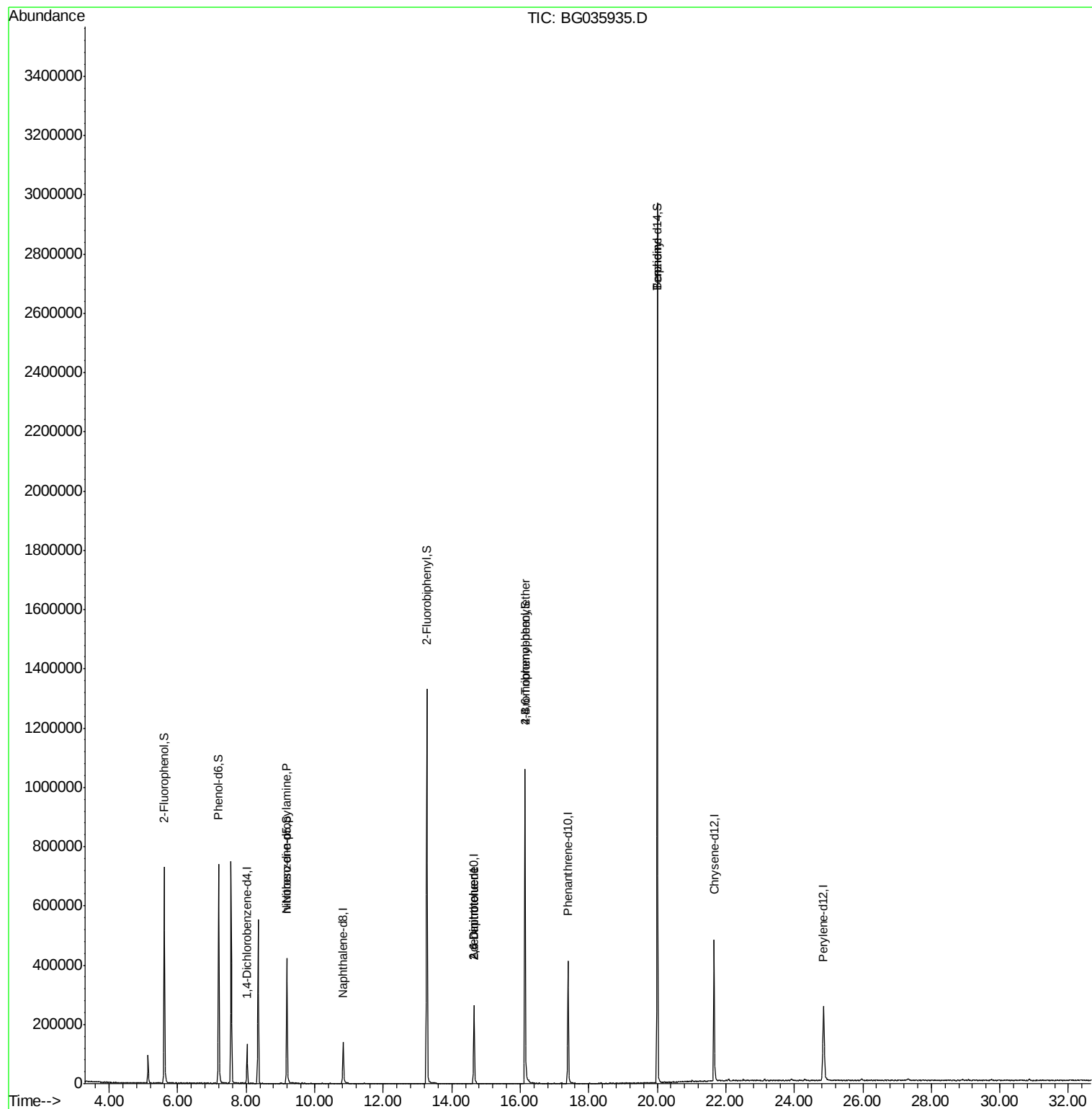
Quant Time: Jul 27 14:50:44 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 25 11:04:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	37377	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	137911	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	104913	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	299283	20.00	ng	0.00
75) Chrysene-d12	21.65	240	329814	20.00	ng	0.00
86) Perylene-d12	24.86	264	303320	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	324391	144.09	ng	0.00
7) Phenol-d6	7.19	99	469292	139.71	ng	0.00
23) Nitrobenzene-d5	9.19	82	296306	89.75	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	204607	147.96	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	741299	94.66	ng	0.00
78) Terphenyl-d14	20.00	244	1485834	99.31	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	40288	14.244	ng	# 64
50) 2,6-Dinitrotoluene	14.65	165	13988	7.473	ng	# 22
56) 2,4-Dinitrotoluene	14.65	165	13988	5.209	ng	# 20
66) 4-Bromophenyl-phenylether	16.14	248	17118	4.930	ng	# 1
76) Benzidine	20.00	184	25864	2.983	ng	# 91

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

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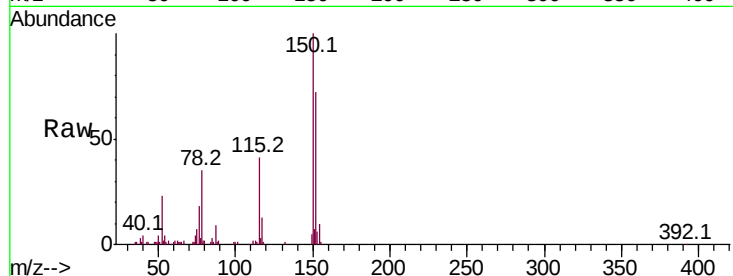




#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 806
Delta R.T. 0.00 min
Lab File: BG035935.D
Acq: 27 Jul 2018 13:29

Tot Ion	Ratio	Lower	Upper
152	100		
150	138.2	126.6	189.8
115	56.3	53.0	79.4

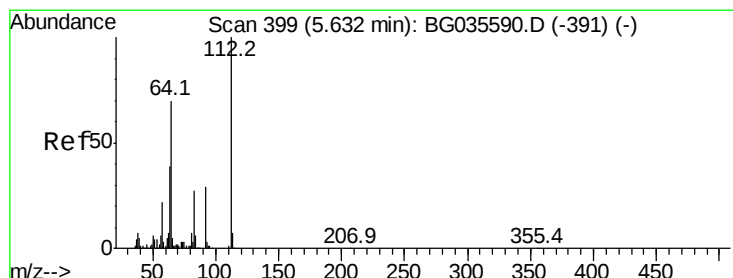
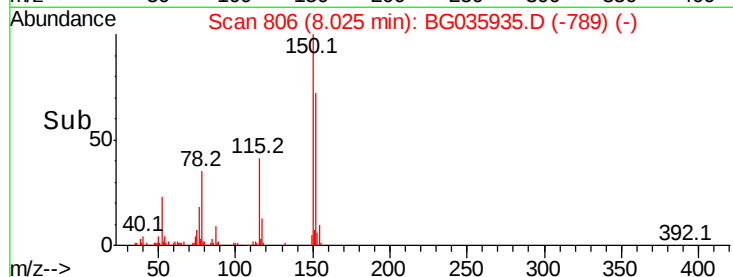
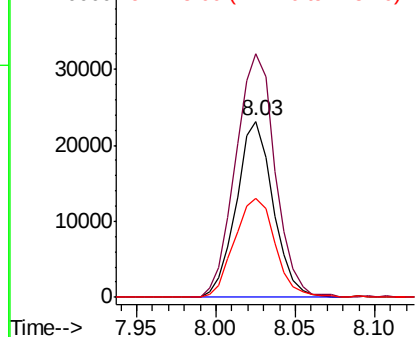


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

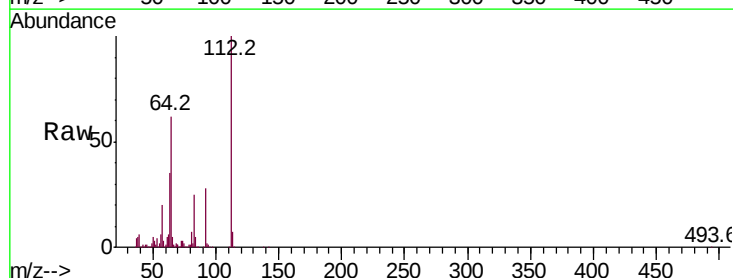
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 144.090 ng
RT: 5.60 min Scan# 394
Delta R.T. 0.00 min
Lab File: BG035935.D
Acq: 27 Jul 2018 13:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.0	56.3	84.5
63	34.8	30.1	45.1

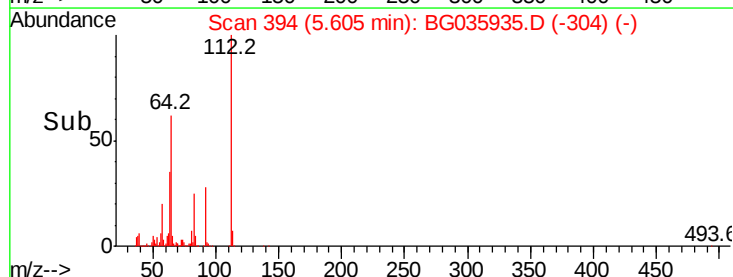
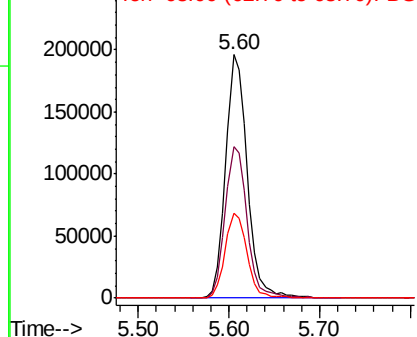


Abundance

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: 139.715 ng

RT: 7.19 min Scan# 664

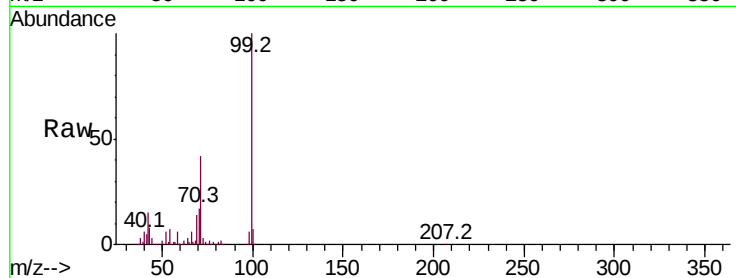
Delta R.T. -0.00 min

Lab File: BG035935.D

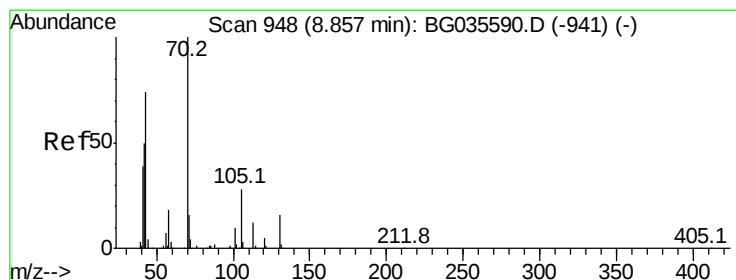
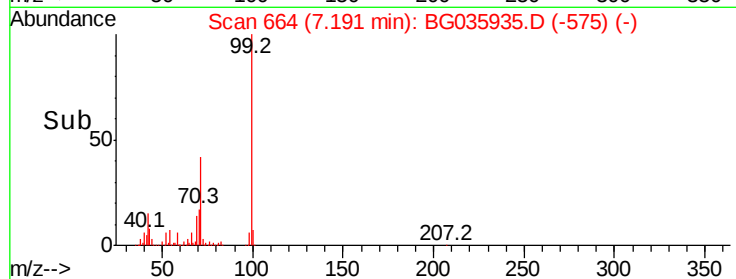
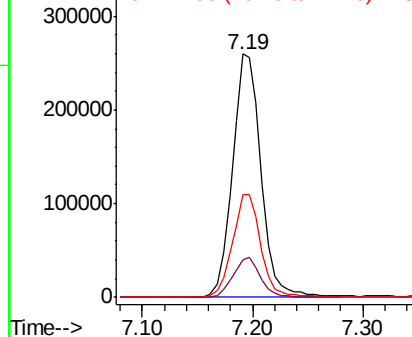
Acq: 27 Jul 2018 13:29

Tot Ion: 99 Resp: 469292

Ion	Ratio	Lower	Upper
99	100		
42	15.2	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: 14.244 ng

RT: 9.19 min Scan# 1004

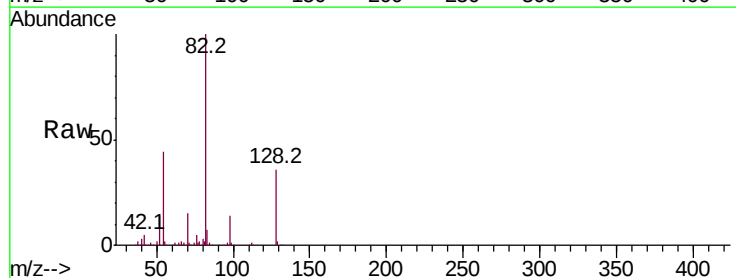
Delta R.T. 0.36 min

Lab File: BG035935.D

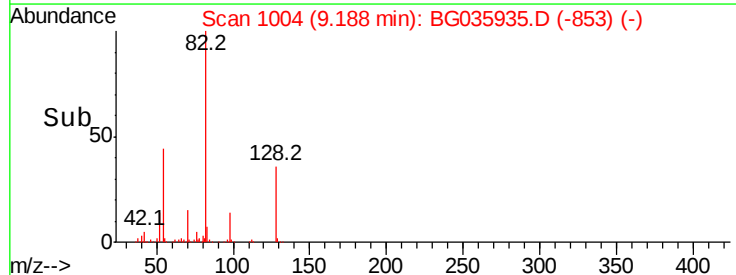
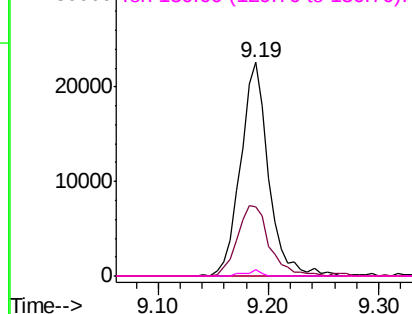
Acq: 27 Jul 2018 13:29

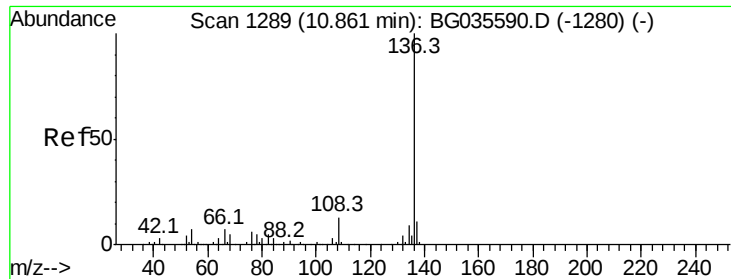
Tgt Ion: 70 Resp: 40288

Ion	Ratio	Lower	Upper
70	100		
42	32.3	49.1	73.7#
101	0.0	8.5	12.7#
130	2.9	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# 1283

Delta R.T. -0.00 min

Lab File: BG035935.D

Acq: 27 Jul 2018 13:29

Tot Ion:136 Resp: 137911

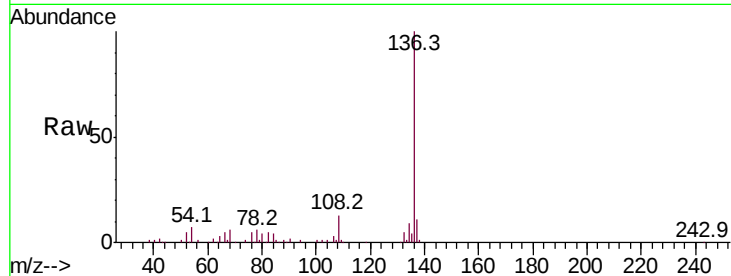
Ion Ratio Lower Upper

136 100

137 11.3 9.2 13.8

54 6.8 10.3 15.5#

68 6.1 4.5 6.7

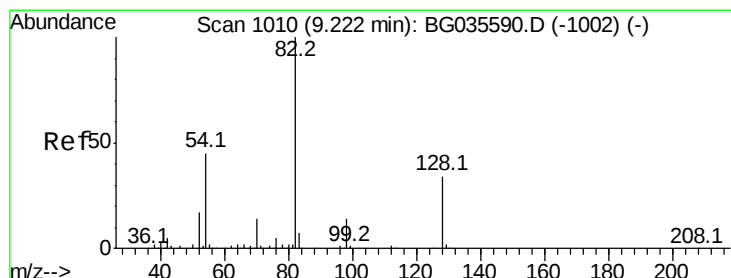
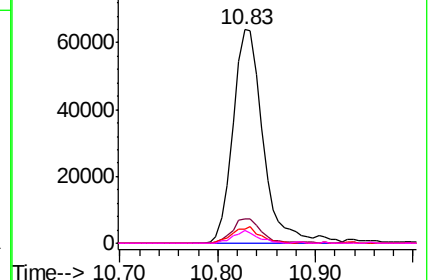
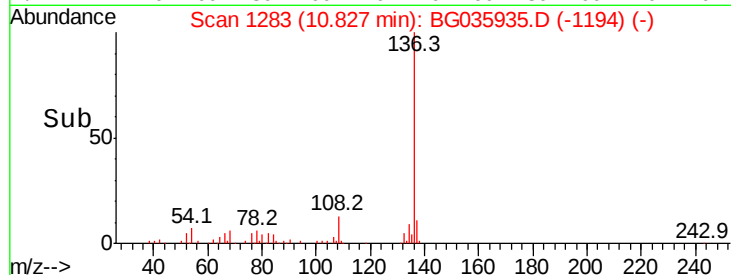


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 89.754 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BG035935.D

Acq: 27 Jul 2018 13:29

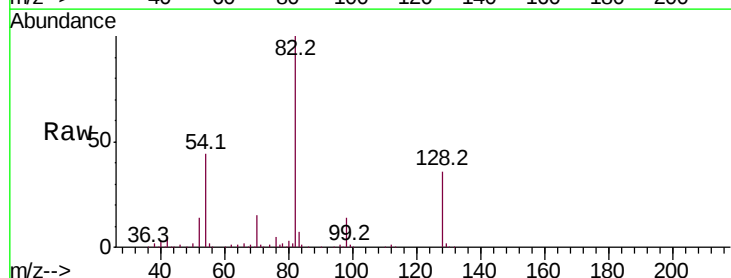
Tgt Ion: 82 Resp: 296306

Ion Ratio Lower Upper

82 100

128 35.6 29.7 44.5

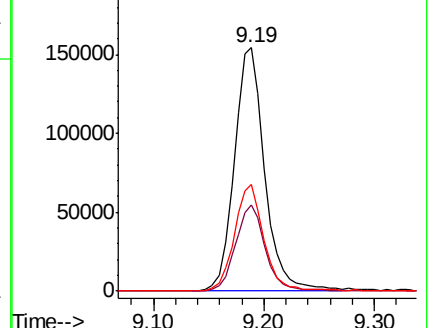
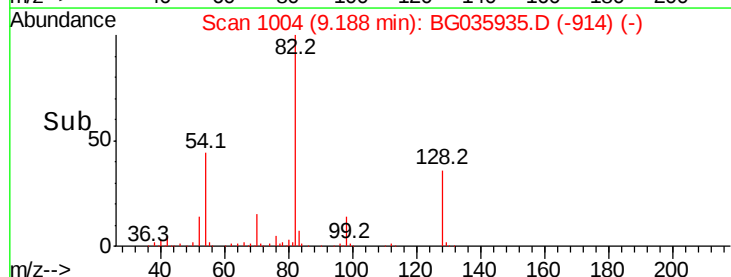
54 43.9 43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

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: BG035935.D

Acq: 27 Jul 2018 13:29

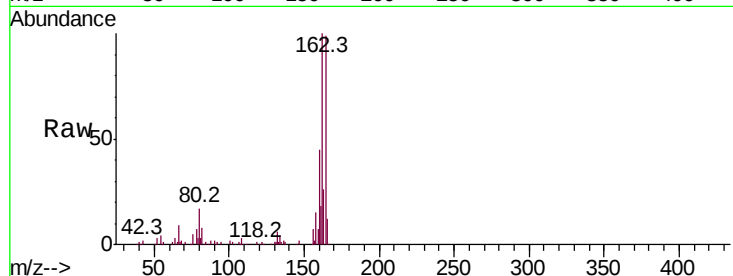
Tot Ion:164 Resp: 104913

Ion Ratio Lower Upper

164 100

162 100.5 78.8 118.2

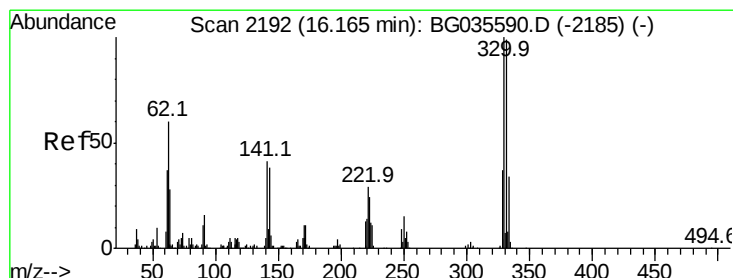
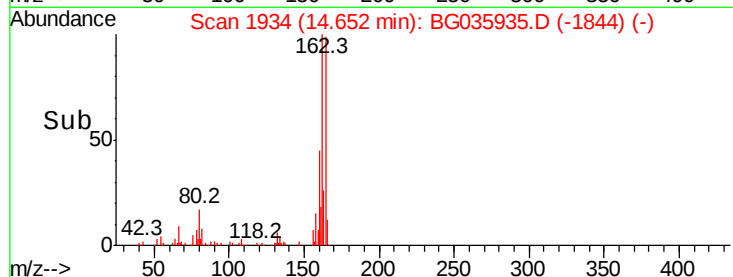
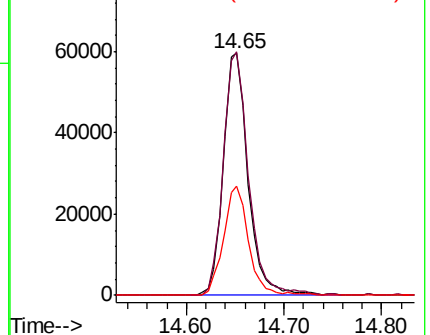
160 45.0 35.4 53.0



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: 147.963 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.00 min

Lab File: BG035935.D

Acq: 27 Jul 2018 13:29

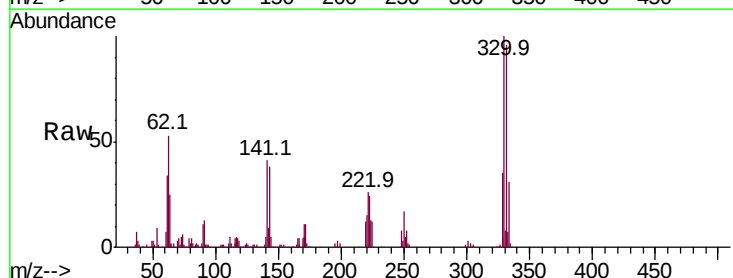
Tgt Ion:330 Resp: 204607

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

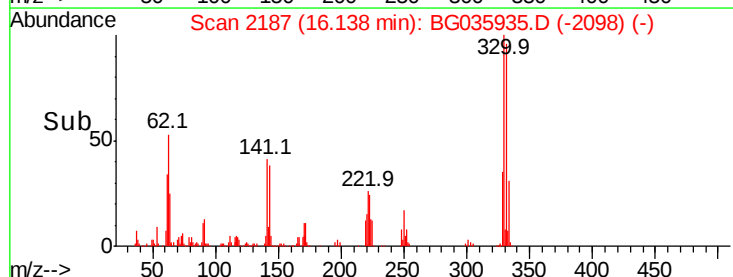
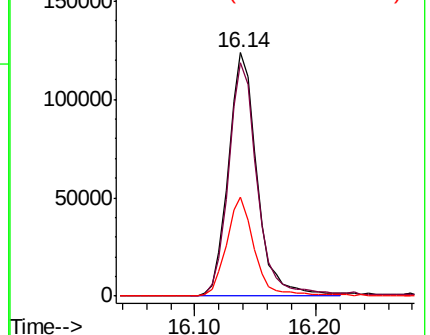
141 39.9 25.2 37.8#

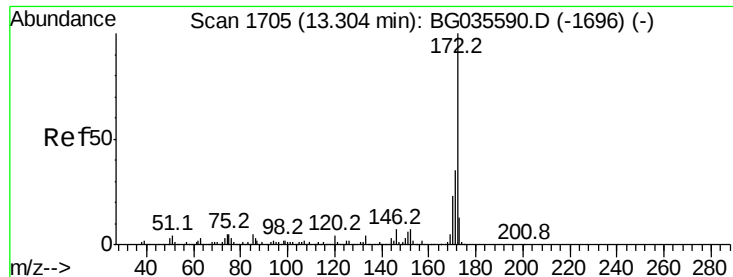


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

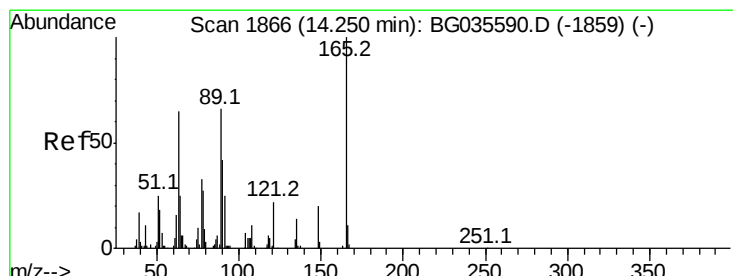
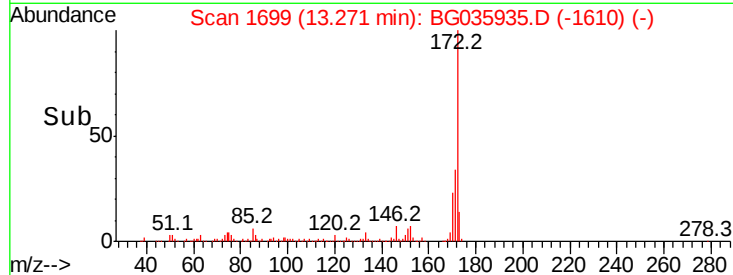
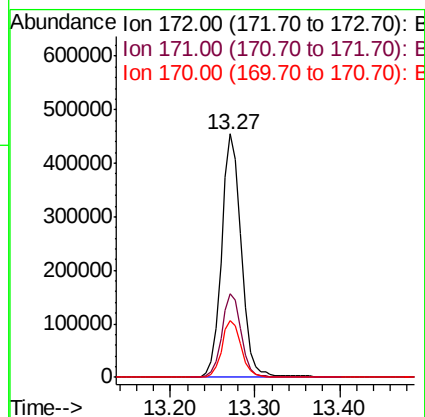
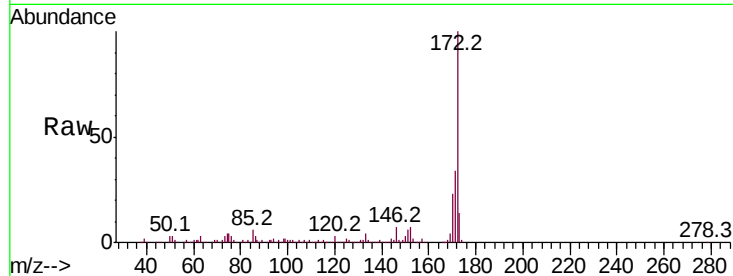
Ion 141.00 (140.70 to 141.70): E





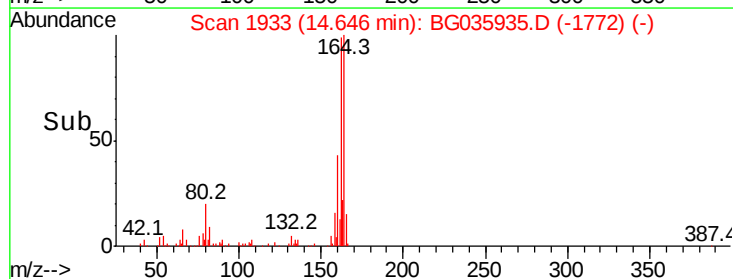
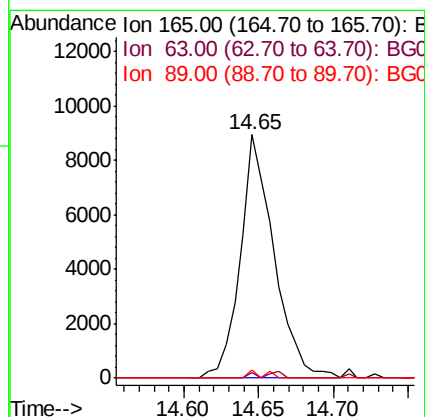
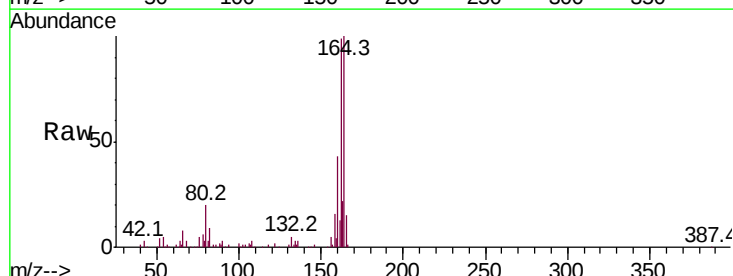
#44
 2-Fluorobiphenyl
 Concen: 94.664 ng
 RT: 13.27 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: BG035935.D
 Acq: 27 Jul 2018 13:29

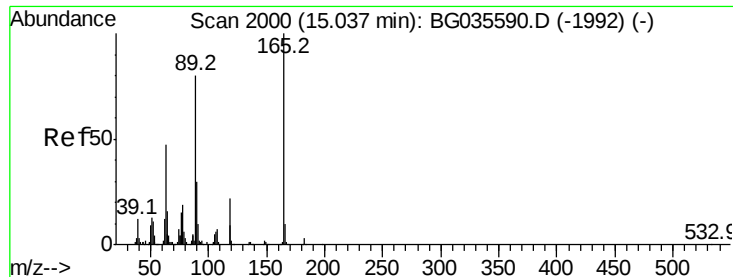
Tot Ion:	172	Resp:	741299
Ion	Ratio	Lower	Upper
172	100		
171	34.2	30.0	45.0
170	23.1	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.473 ng
 RT: 14.65 min Scan# 1933
 Delta R.T. 0.42 min
 Lab File: BG035935.D
 Acq: 27 Jul 2018 13:29

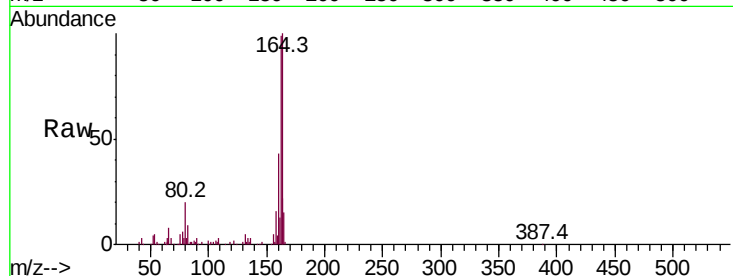
Tgt Ion:	165	Resp:	13988
Ion	Ratio	Lower	Upper
165	100		
63	2.4	52.7	79.1#
89	3.6	49.2	73.8#





#56
2,4-Dinitrotoluene
Concen: 5.209 ng
RT: 14.65 min Scan# 1933
Delta R.T. -0.37 min
Lab File: BG035935.D
Acq: 27 Jul 2018 13:29

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.4	42.0	63.0#
89	3.6	66.9	100.3#
182	0.0	2.6	3.8#

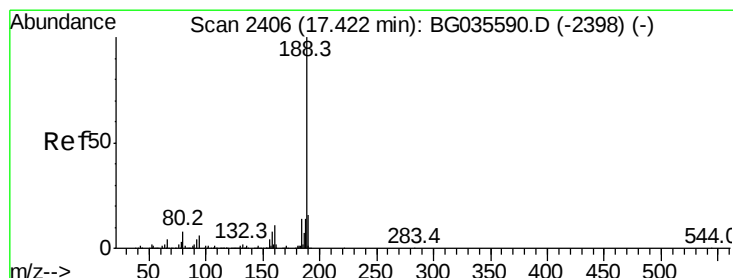
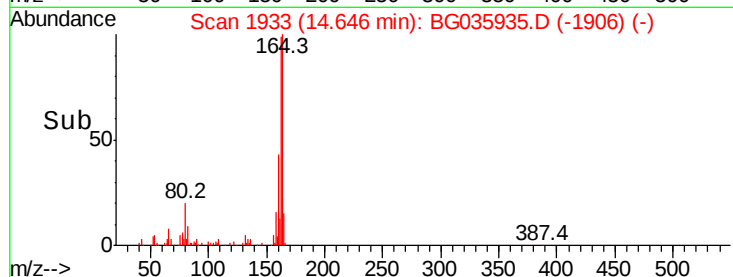
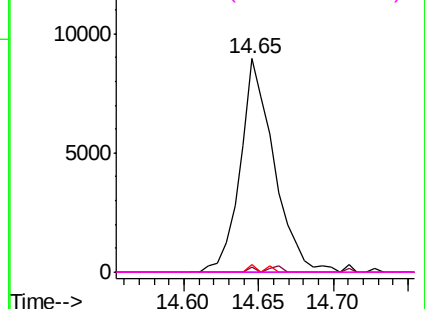


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

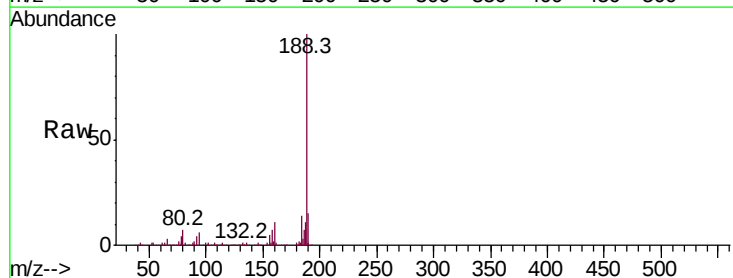
Ion 89.00 (88.70 to 89.70): BGC

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. -0.00 min
Lab File: BG035935.D
Acq: 27 Jul 2018 13:29

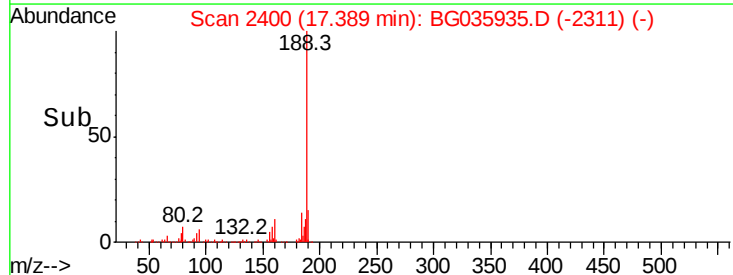
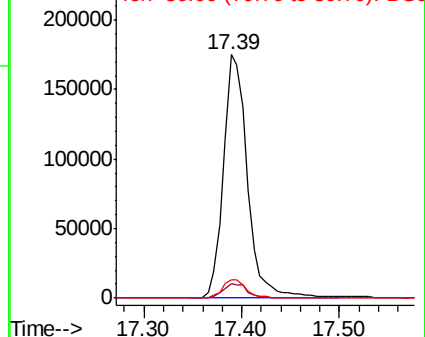
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.0	6.9	10.3#
80	7.5	7.7	11.5#

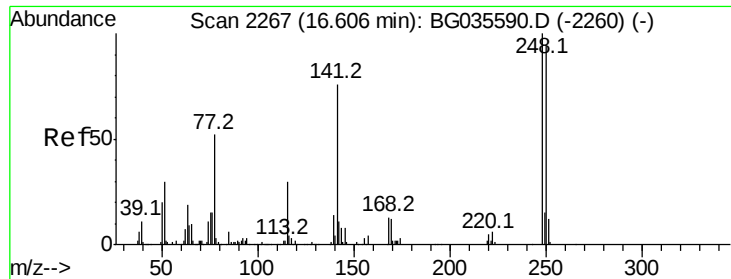


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

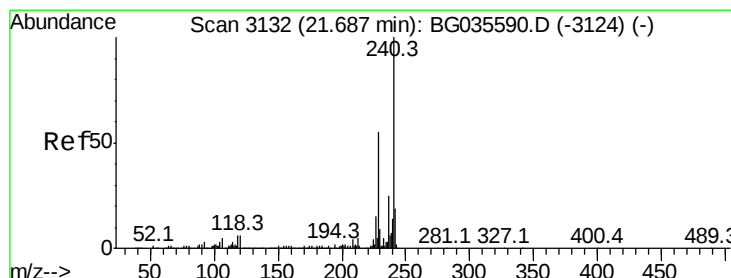
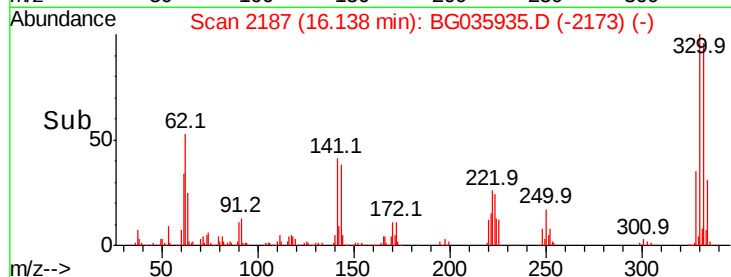
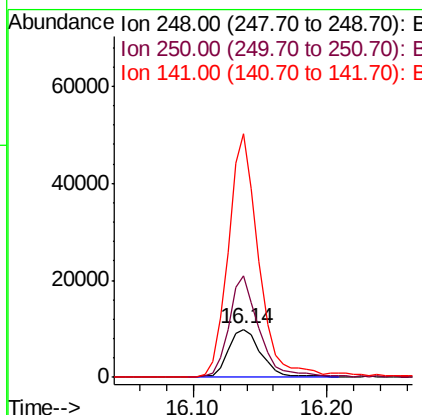
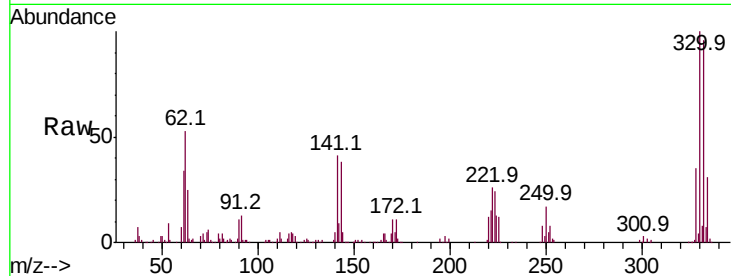
Ion 80.00 (79.70 to 80.70): BGC





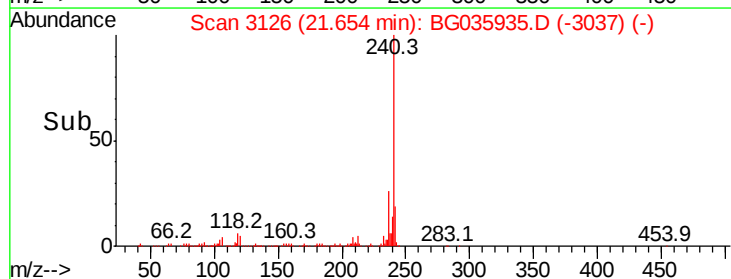
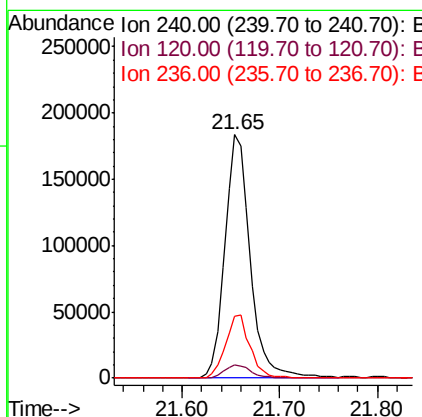
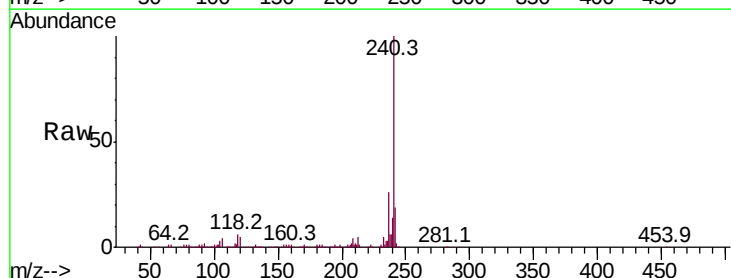
#66
 4-Bromophenyl-phenylether
 Concen: 4.930 ng
 RT: 16.14 min Scan# 2187
 Delta R.T. -0.45 min
 Lab File: BG035935.D
 Acq: 27 Jul 2018 13:29

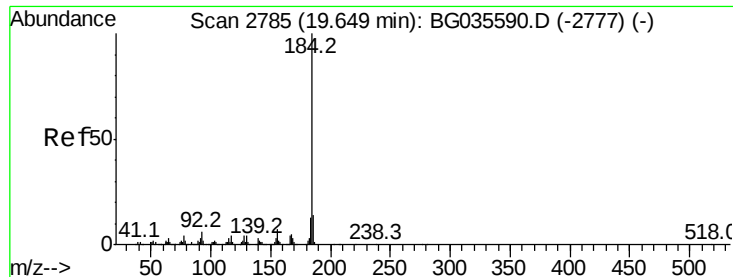
Tot Ion	Ratio	Lower	Upper
248	100		
250	211.1	77.1	115.7#
141	506.2	50.8	76.2#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.65 min Scan# 3126
 Delta R.T. -0.00 min
 Lab File: BG035935.D
 Acq: 27 Jul 2018 13:29

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.4	6.8	10.2#
236	25.6	20.9	31.3





#76

Benzidine

Concen: 2.983 ng

RT: 20.00 min Scan# 2844

Delta R.T. 0.37 min

Lab File: BG035935.D

Acq: 27 Jul 2018 13:29

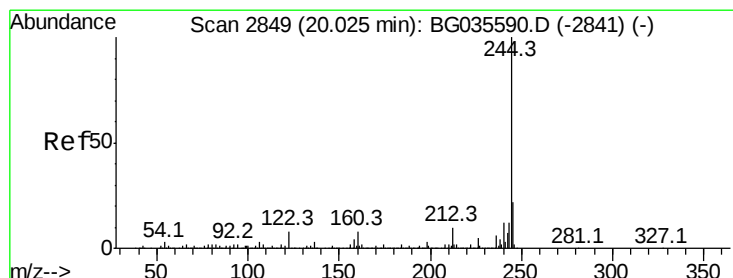
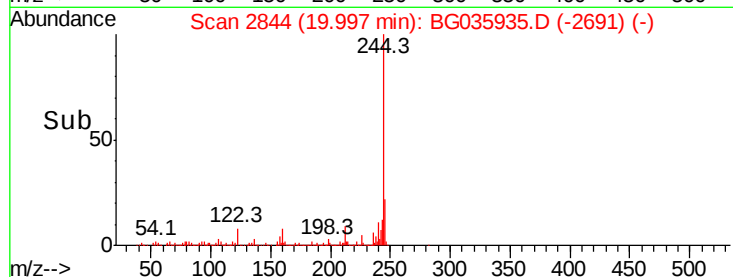
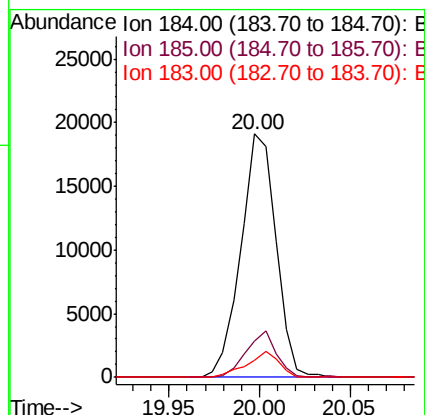
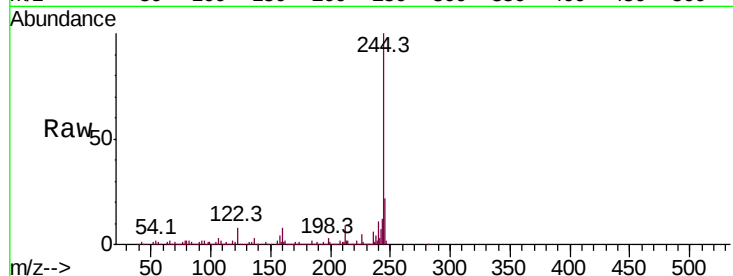
Tot Ion:184 Resp: 25864

Ion Ratio Lower Upper

184 100

185 15.0 11.1 16.7

183 6.8 10.6 16.0#



#78

Terphenyl-d14

Concen: 99.305 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.00 min

Lab File: BG035935.D

Acq: 27 Jul 2018 13:29

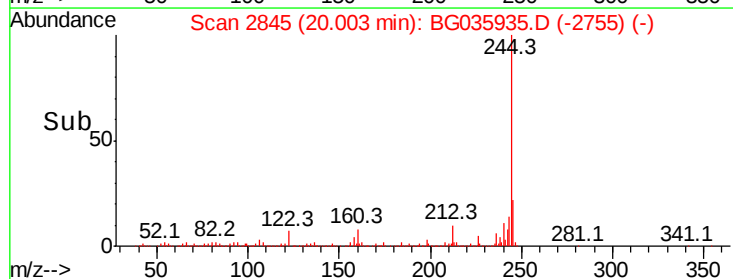
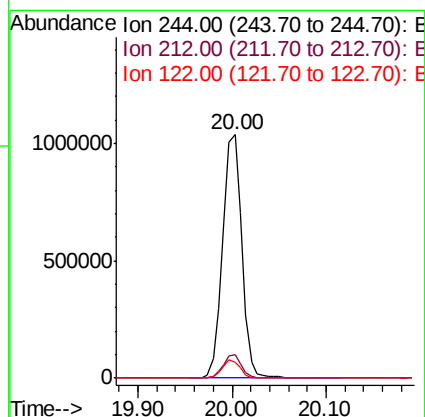
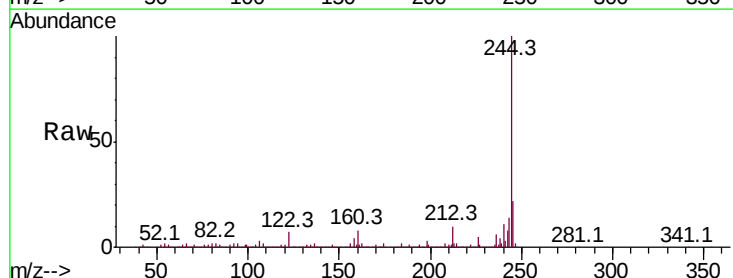
Tgt Ion:244 Resp: 1485834

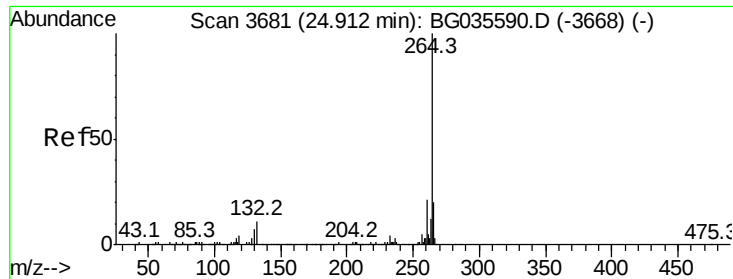
Ion Ratio Lower Upper

244 100

212 9.7 5.8 8.8#

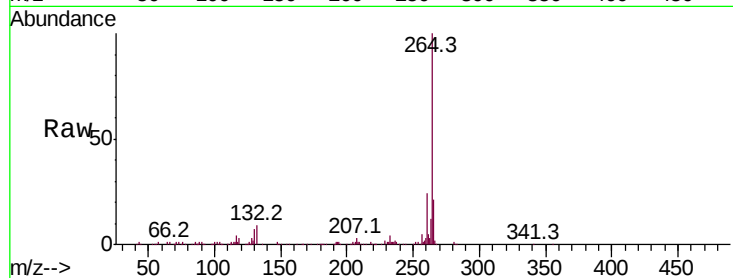
122 6.6 7.0 10.4#





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.86 min Scan# 3671
Delta R.T. -0.00 min
Lab File: BG035935.D
Acq: 27 Jul 2018 13:29

Tot Ion:	264	Resp:	303320
Ion	Ratio	Lower	Upper
264	100		
260	24.2	17.4	26.0
265	21.2	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

