

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072718\
 Data File : BG035932.D
 Acq On : 27 Jul 2018 11:33
 Operator : JU/SJ
 Sample : PB111401BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

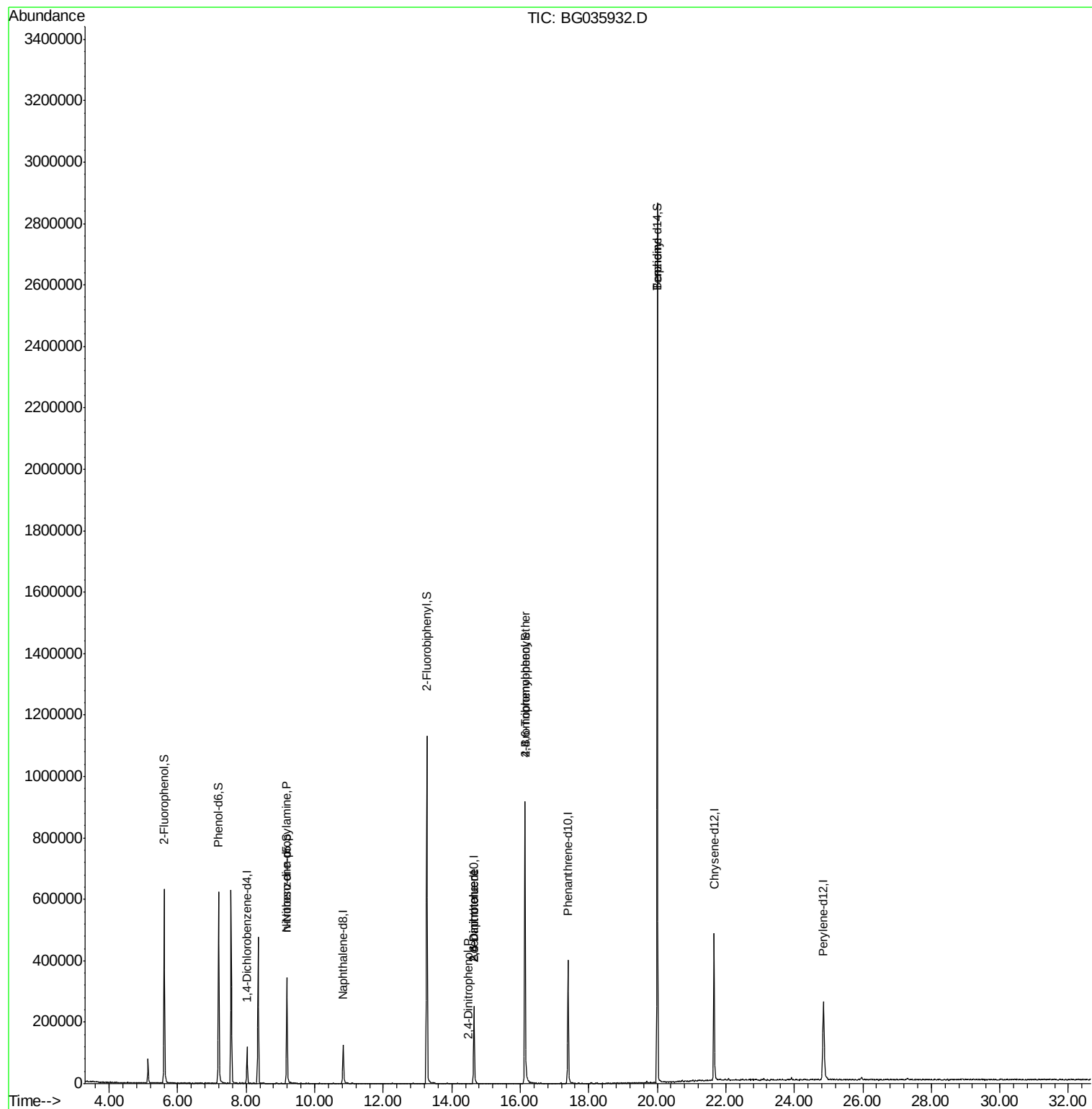
Quant Time: Jul 27 13:54:16 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 25 11:04:14 2018
 Response via : Initial Calibration

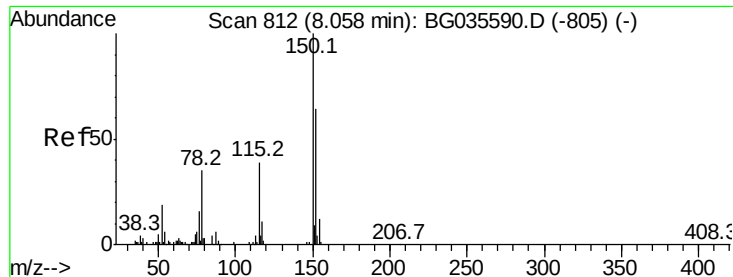
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	34672	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	126079	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	95671	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	290984	20.00	ng	0.00
75) Chrysene-d12	21.65	240	330303	20.00	ng	0.00
86) Perylene-d12	24.86	264	313043	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	278652	133.43	ng	0.00
7) Phenol-d6	7.19	99	397272	127.50	ng	0.00
23) Nitrobenzene-d5	9.18	82	254022	84.17	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	199054	157.85	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	648497	90.81	ng	0.00
78) Terphenyl-d14	20.00	244	1425347	95.12	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	34874	13.291	ng	# 68
50) 2,6-Dinitrotoluene	14.65	165	12892	7.553	ng	# 21
53) 2,4-Dinitrophenol	14.48	184	71	6.656	ng	# 1
56) 2,4-Dinitrotoluene	14.65	165	12892	5.265	ng	# 19
66) 4-Bromophenyl-phenylether	16.14	248	15053	4.459	ng	# 1
76) Benzidine	20.00	184	24927	2.871	ng	# 92

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 25 11:04:14 2018
Response via : Initial Calibration

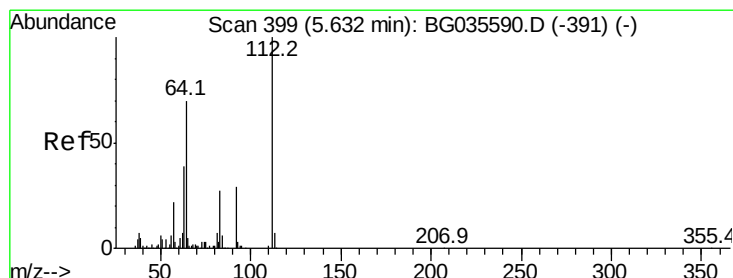
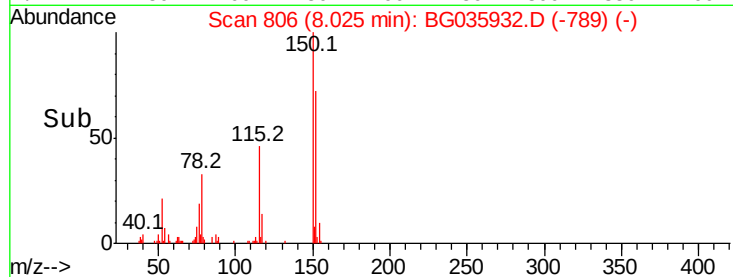
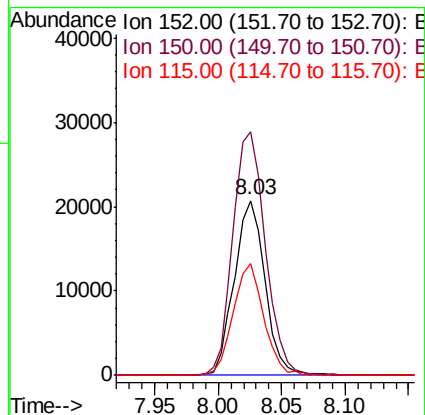
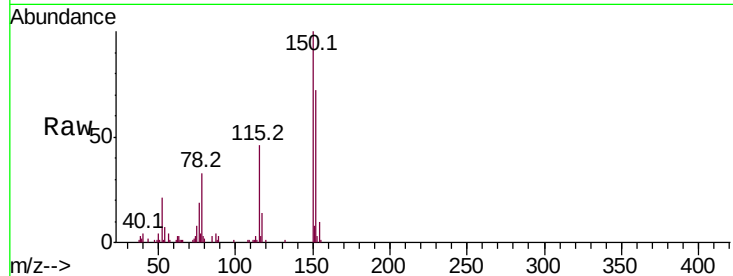




#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.03 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: BG035932.D
 Acq: 27 Jul 2018 11:33

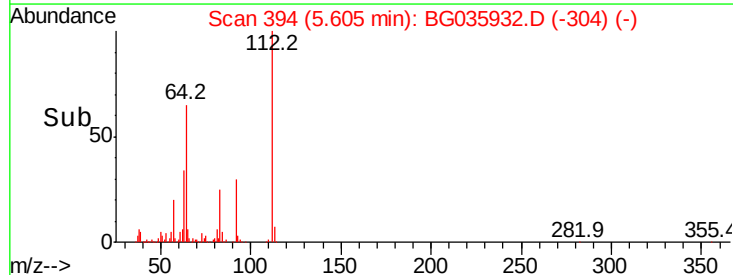
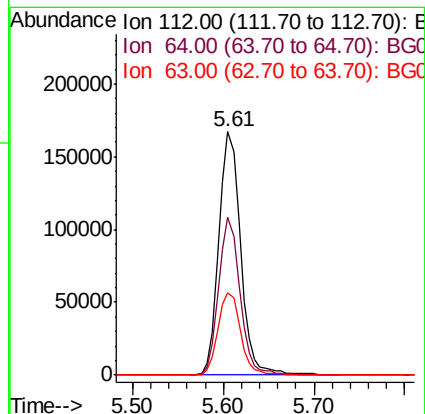
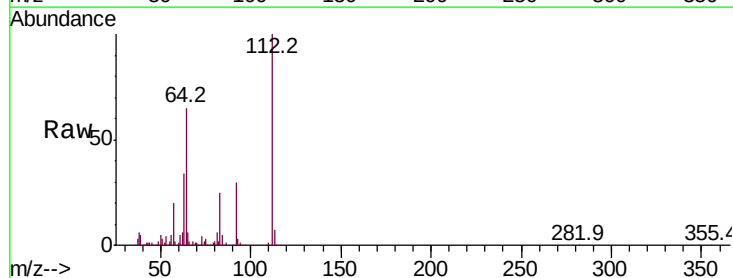
Tot Ion	Ratio	Lower	Upper
152	100		
150	139.1	126.6	189.8
115	63.8	53.0	79.4

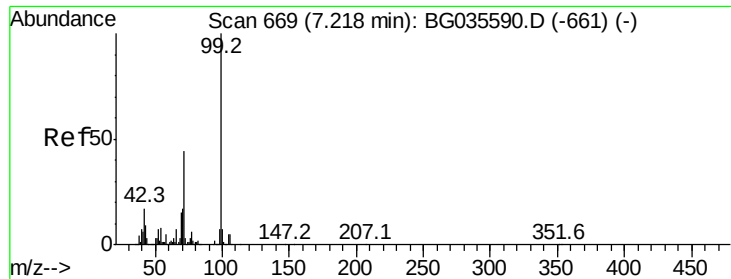


#5

2-Fluorophenol
 Concen: 133.430 ng
 RT: 5.61 min Scan# 394
 Delta R.T. 0.00 min
 Lab File: BG035932.D
 Acq: 27 Jul 2018 11:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.9	56.3	84.5
63	33.9	30.1	45.1





#7

Phenol-d6

Concen: 127.501 ng

RT: 7.19 min Scan# 664

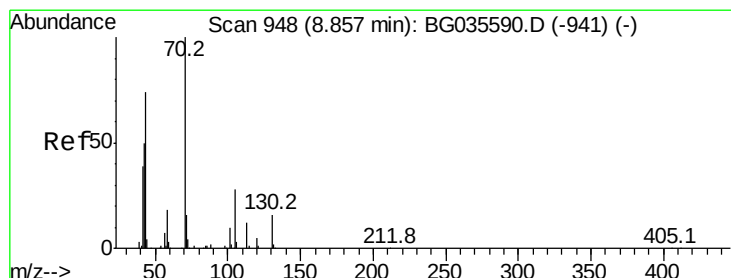
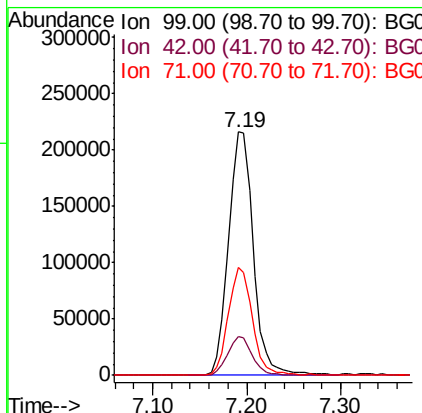
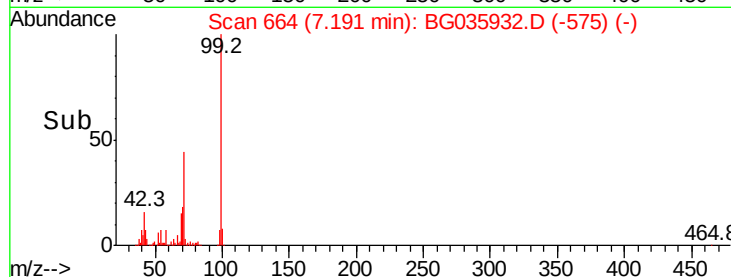
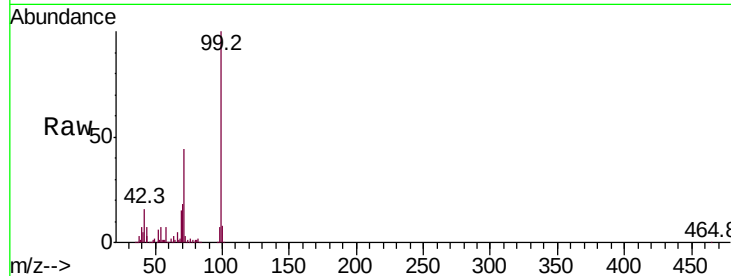
Delta R.T. -0.00 min

Lab File: BG035932.D

Acq: 27 Jul 2018 11:33

Tot Ion: 99 Resp: 397272

Ion	Ratio	Lower	Upper
99	100		
42	16.1	14.1	21.1
71	44.3	26.1	39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 13.291 ng

RT: 9.18 min Scan# 1003

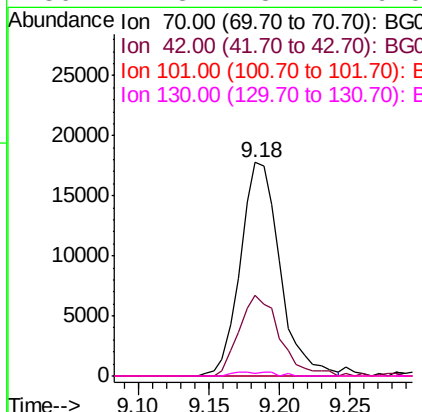
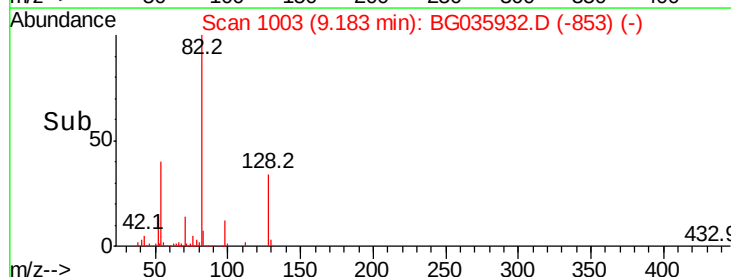
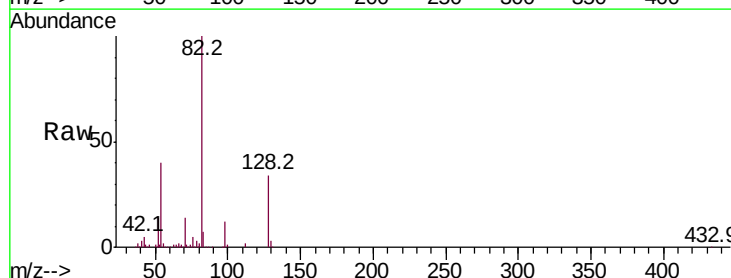
Delta R.T. 0.35 min

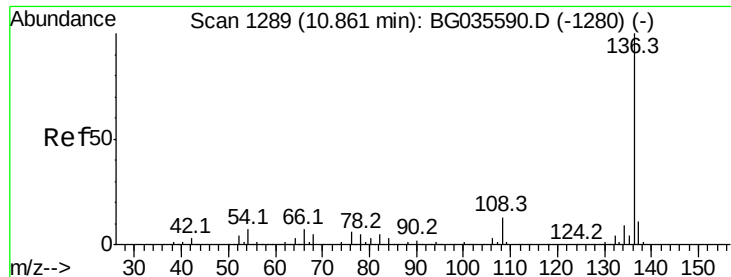
Lab File: BG035932.D

Acq: 27 Jul 2018 11:33

Tgt Ion: 70 Resp: 34874

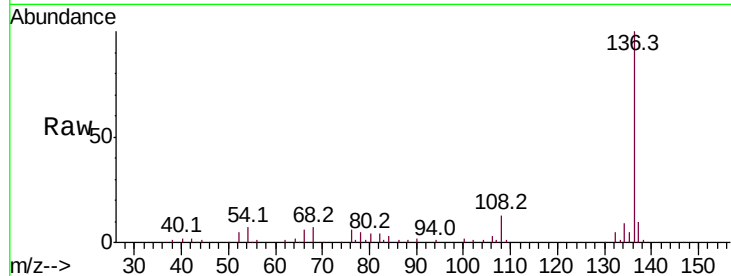
Ion	Ratio	Lower	Upper
70	100		
42	37.6	49.1	73.7#
101	0.0	8.5	12.7#
130	1.3	13.4	20.0#



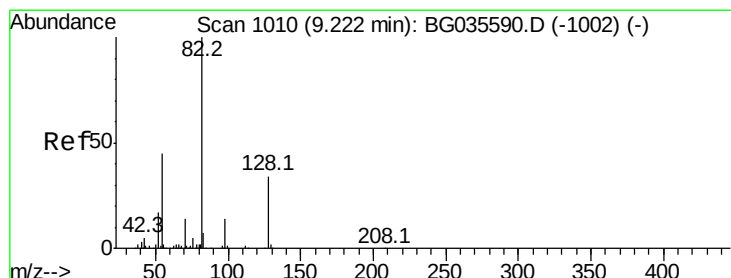
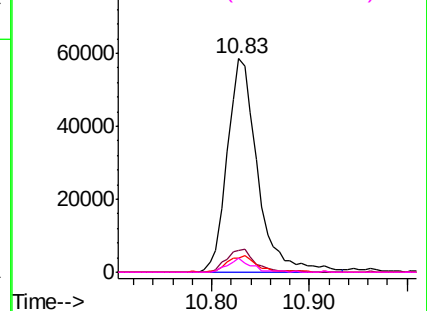
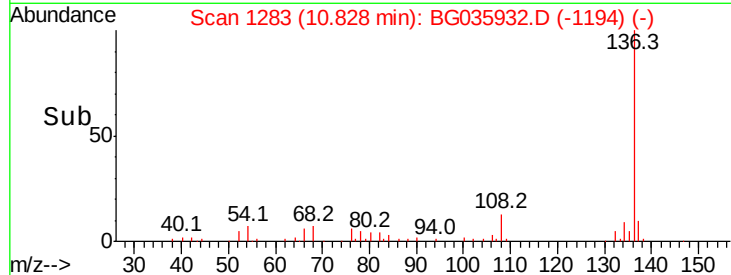


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1283
Delta R.T. -0.00 min
Lab File: BG035932.D
Acq: 27 Jul 2018 11:33

Tot Ion:136	Resp:	126079
Ion Ratio	Lower	Upper
136	100	
137	10.0	9.2 13.8
54	6.8	10.3 15.5
68	6.5	4.5 6.7

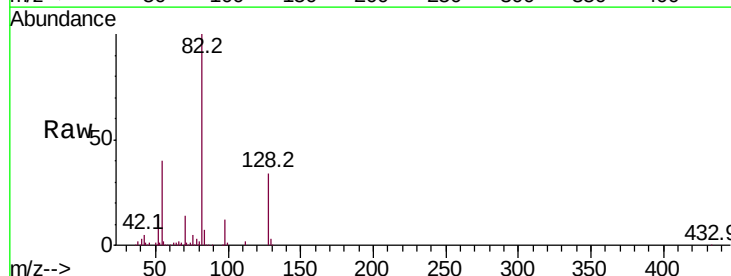


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

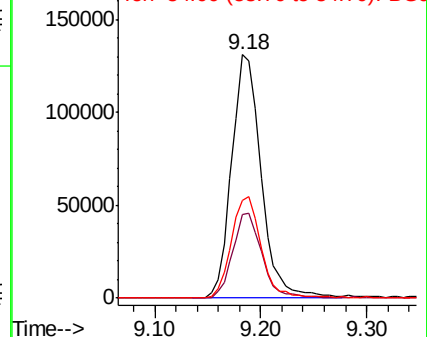
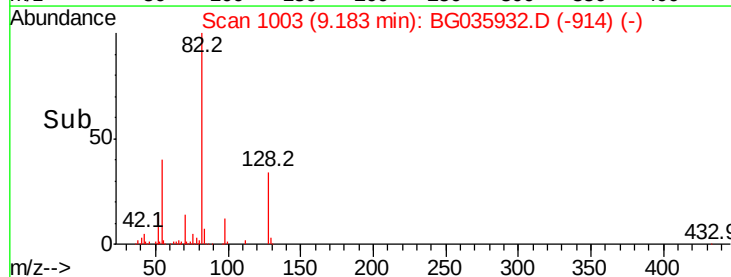


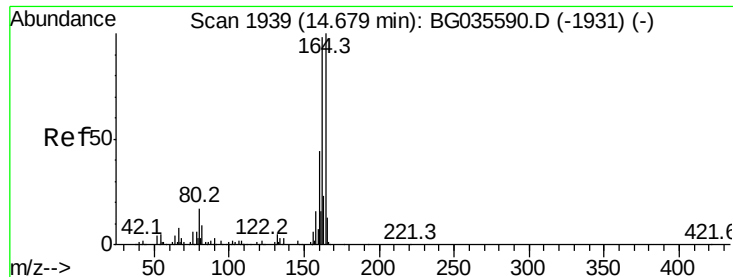
#23
Nitrobenzene-d5
Concen: 84.167 ng
RT: 9.18 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BG035932.D
Acq: 27 Jul 2018 11:33

Tgt Ion: 82	Resp:	254022
Ion Ratio	Lower	Upper
82	100	
128	34.2	29.7 44.5
54	40.2	43.1 64.7



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1934

Delta R.T. 0.00 min

Lab File: BG035932.D

Acq: 27 Jul 2018 11:33

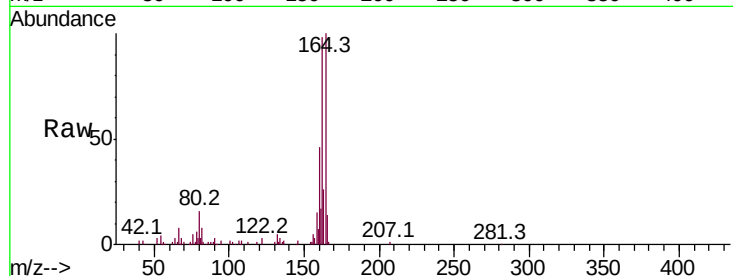
Tot Ion:164 Resp: 95671

Ion Ratio Lower Upper

164 100

162 97.8 78.8 118.2

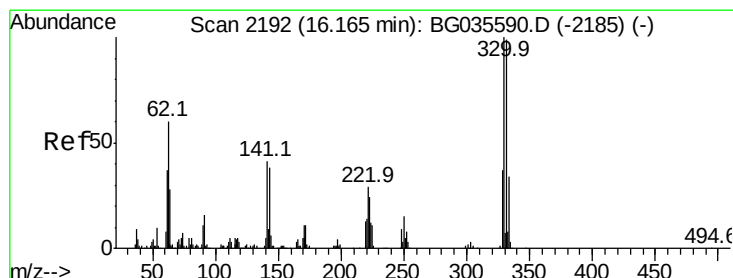
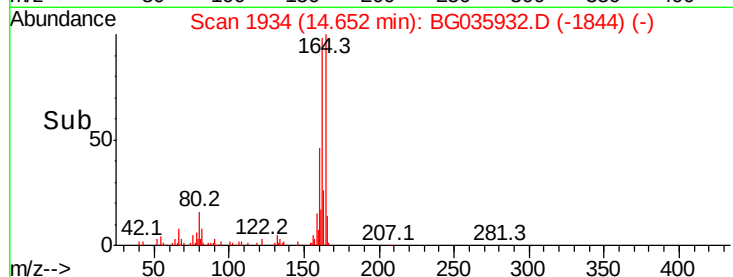
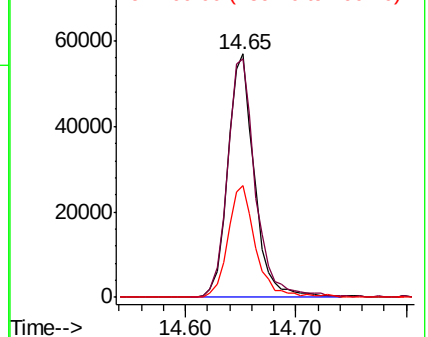
160 45.7 35.4 53.0



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: 157.853 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.00 min

Lab File: BG035932.D

Acq: 27 Jul 2018 11:33

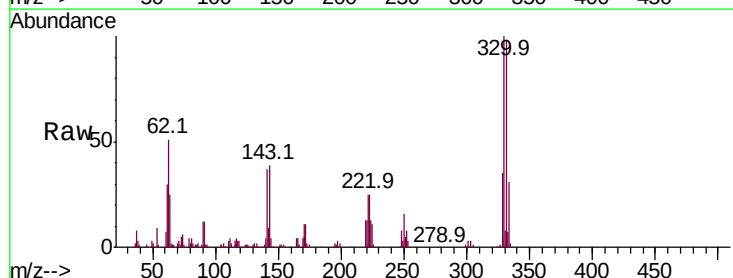
Tgt Ion:330 Resp: 199054

Ion Ratio Lower Upper

330 100

332 93.4 77.0 115.6

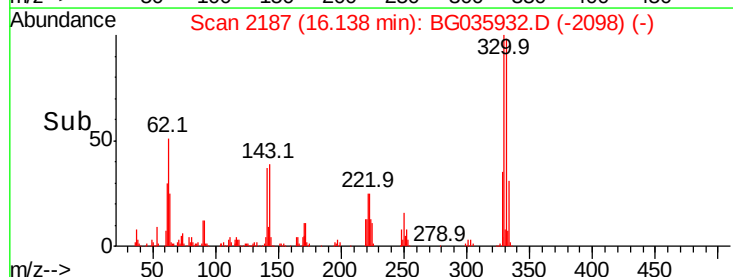
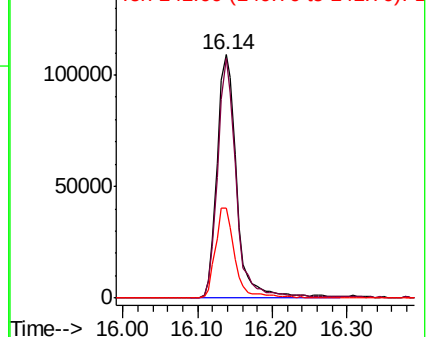
141 36.2 25.2 37.8

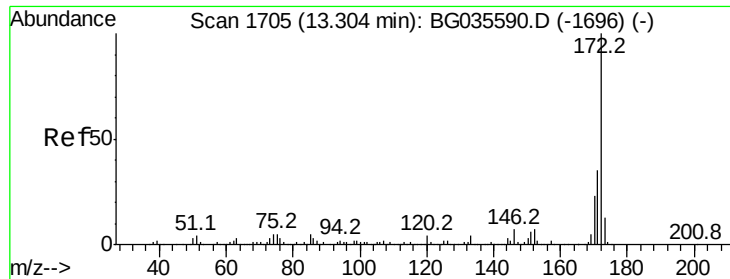


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

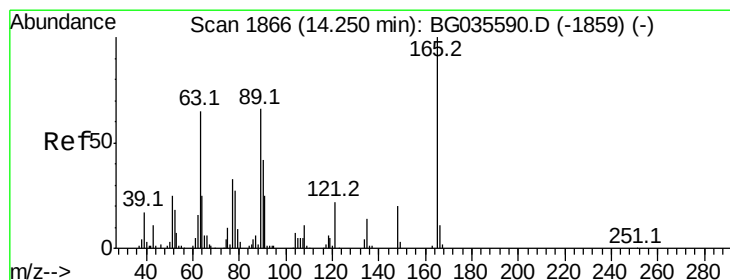
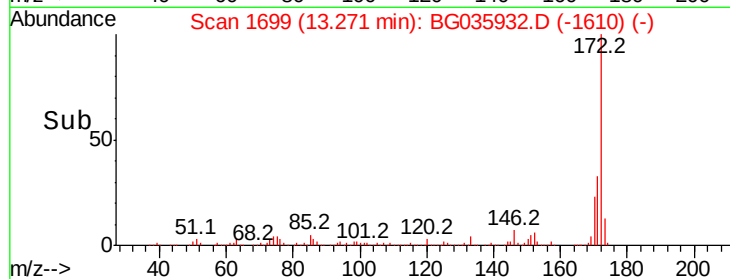
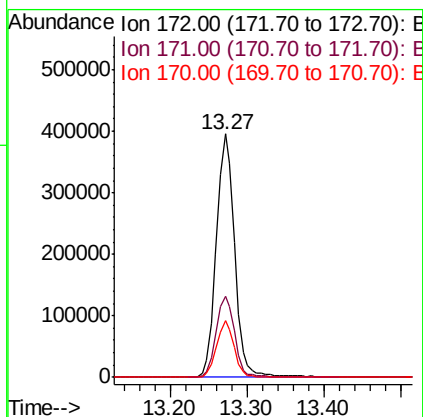
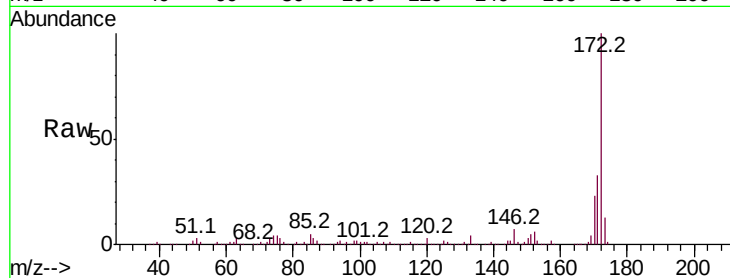
Ion 141.00 (140.70 to 141.70): E





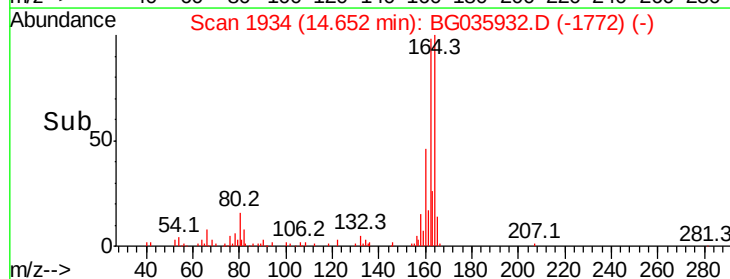
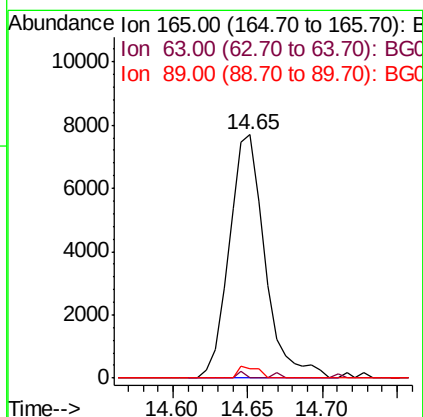
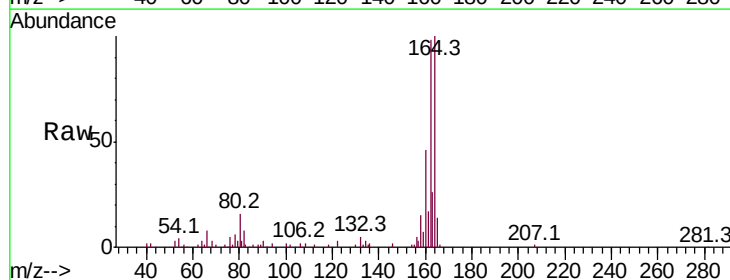
#44
 2-Fluorobiphenyl
 Concen: 90.813 ng
 RT: 13.27 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: BG035932.D
 Acq: 27 Jul 2018 11:33

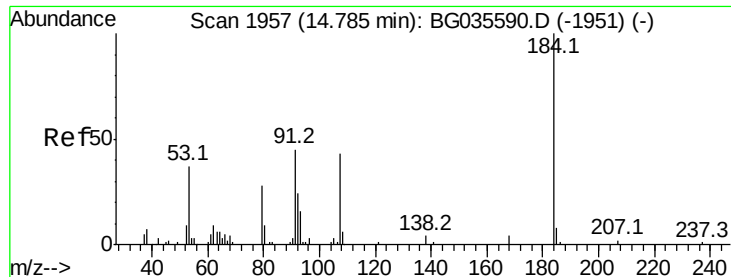
Tot Ion:	172	Resp:	648497
Ion	Ratio	Lower	Upper
172	100		
171	33.3	30.0	45.0
170	23.1	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.553 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. 0.42 min
 Lab File: BG035932.D
 Acq: 27 Jul 2018 11:33

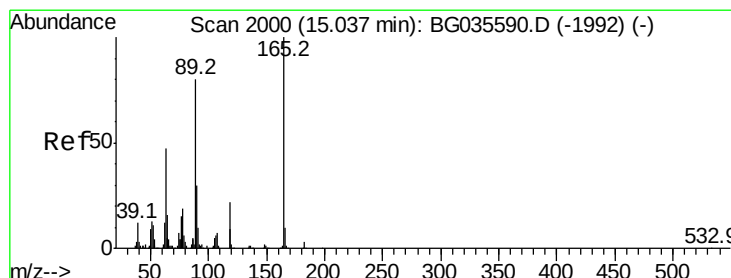
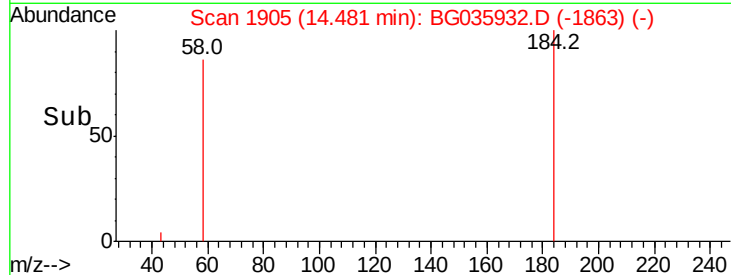
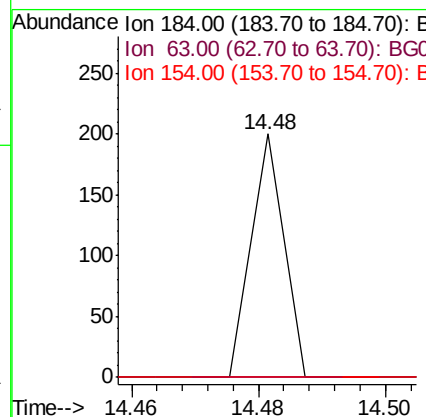
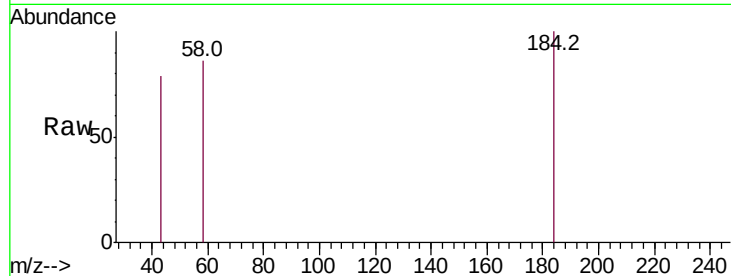
Tgt Ion:	165	Resp:	12892
Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	4.0	49.2	73.8#





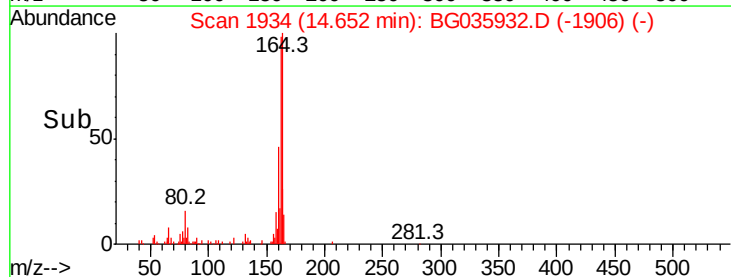
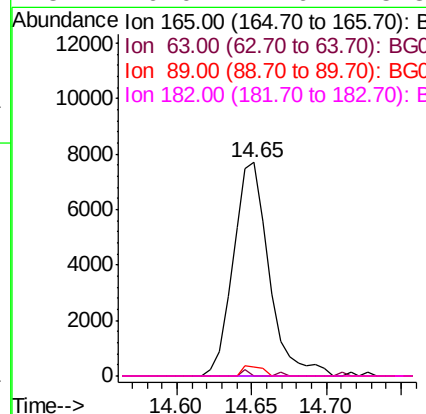
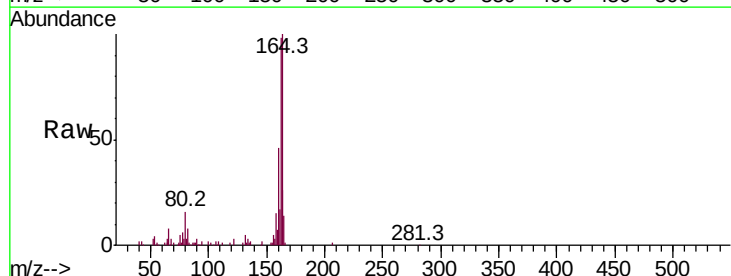
#53
2,4-Dinitrophenol
Concen: 6.656 ng
RT: 14.48 min Scan# 1905
Delta R.T. -0.28 min
Lab File: BG035932.D
Acq: 27 Jul 2018 11:33

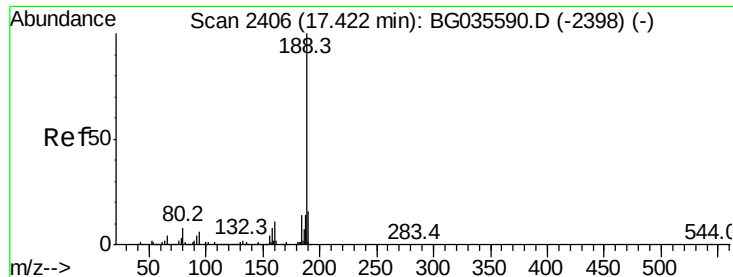
Tot Ion:184 Resp: 71
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#



#56
2,4-Dinitrotoluene
Concen: 5.265 ng
RT: 14.65 min Scan# 1934
Delta R.T. -0.36 min
Lab File: BG035932.D
Acq: 27 Jul 2018 11:33

Tgt Ion:165 Resp: 12892
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 4.0 66.9 100.3#
182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2401

Delta R.T. 0.00 min

Lab File: BG035932.D

Acq: 27 Jul 2018 11:33

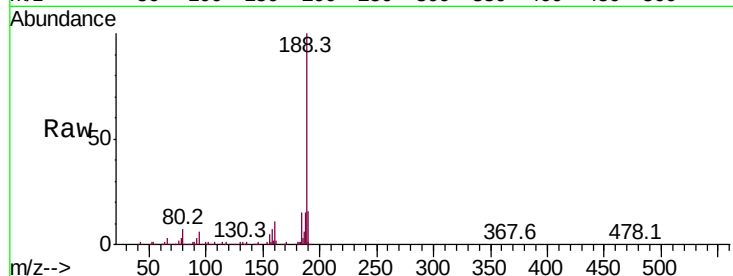
Tot Ion:188 Resp: 290984

Ion Ratio Lower Upper

188 100

94 6.4 6.9 10.3#

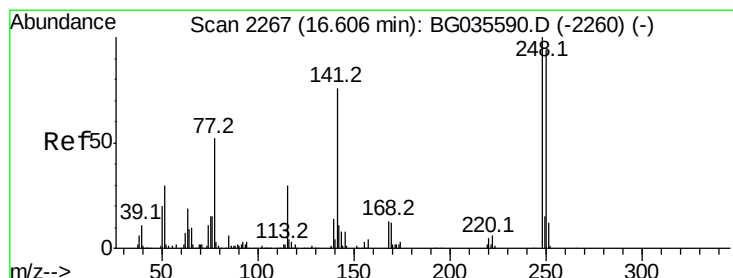
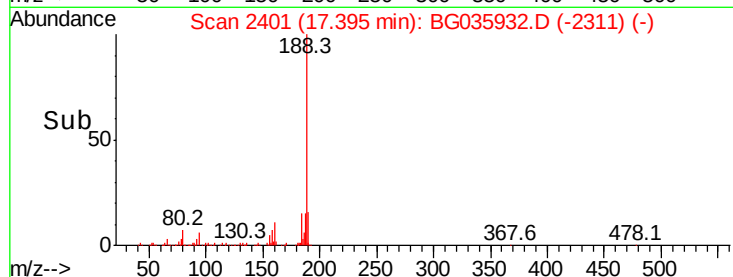
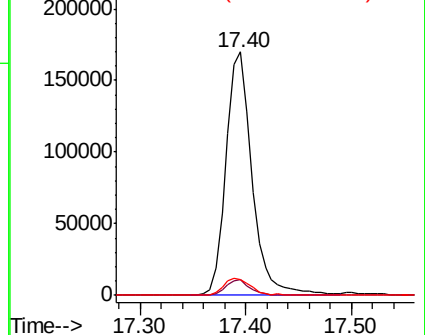
80 6.6 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#66

4-Bromophenyl-phenylether

Concen: 4.459 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.45 min

Lab File: BG035932.D

Acq: 27 Jul 2018 11:33

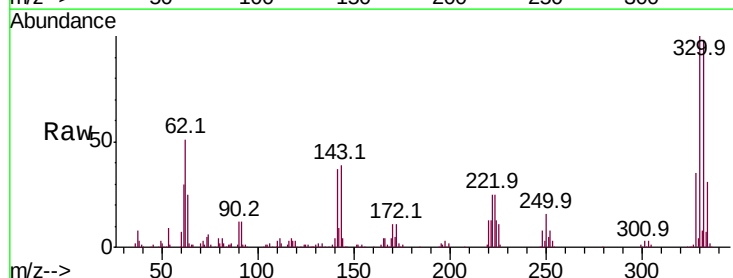
Tgt Ion:248 Resp: 15053

Ion Ratio Lower Upper

248 100

250 197.8 77.1 115.7#

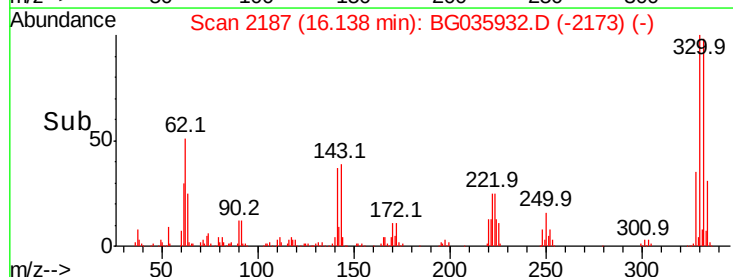
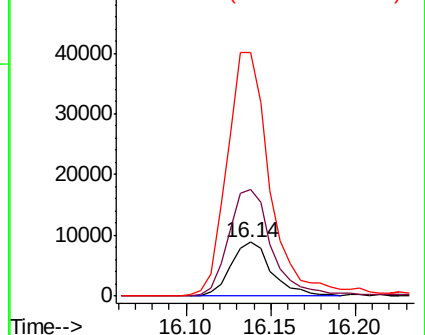
141 450.9 50.8 76.2#

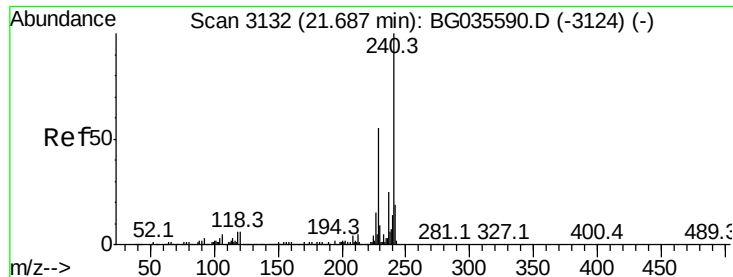


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

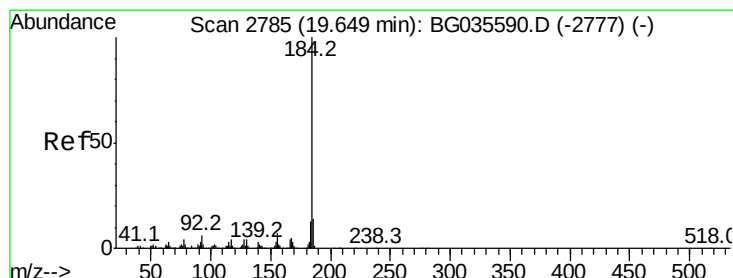
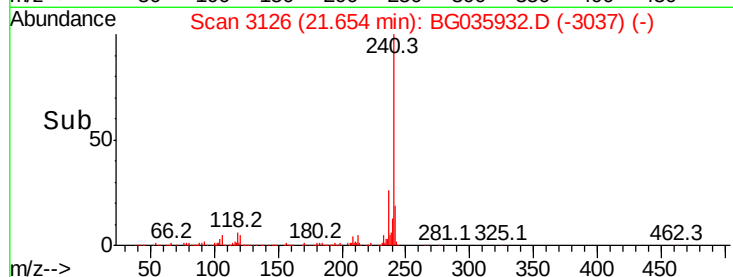
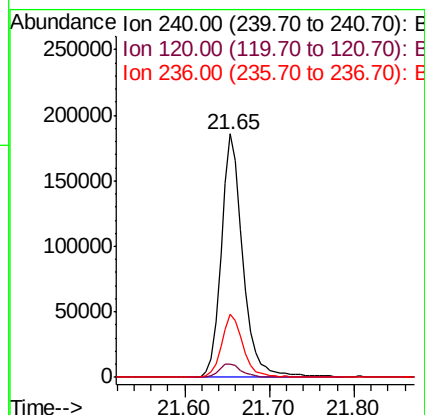
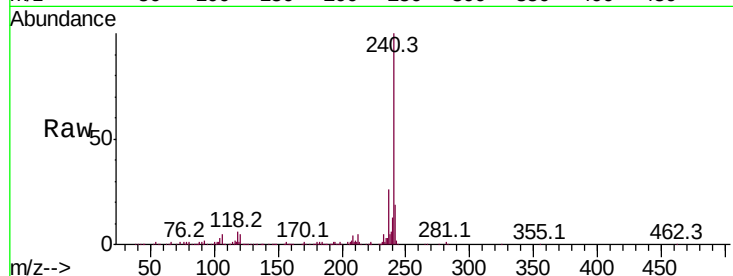
Ion 141.00 (140.70 to 141.70): E





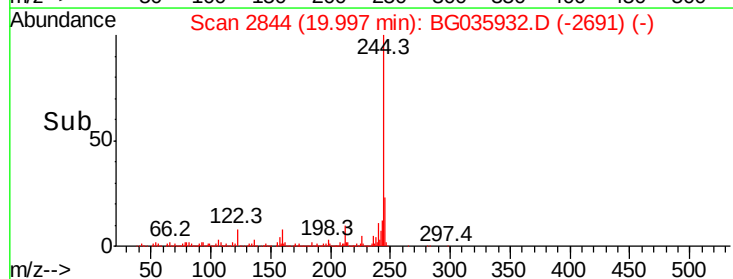
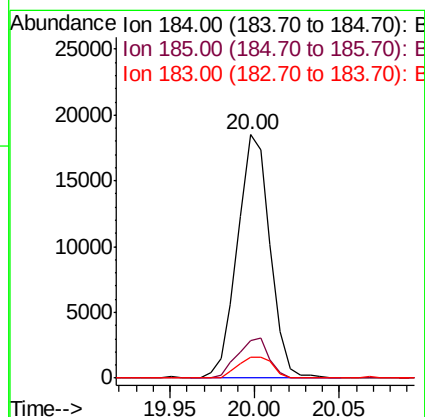
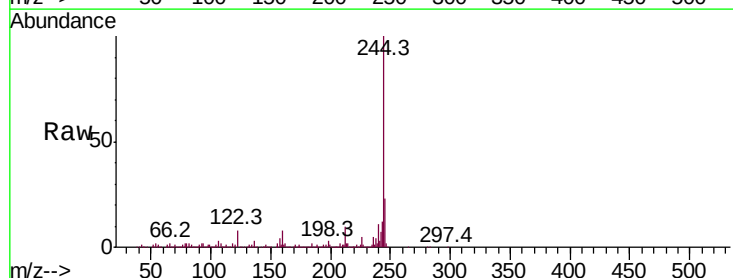
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3126
Delta R.T. -0.00 min
Lab File: BG035932.D
Acq: 27 Jul 2018 11:33

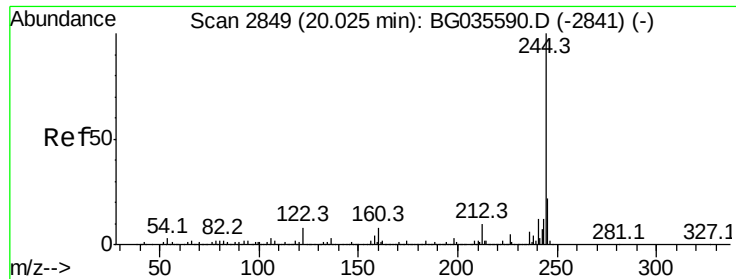
Tot Ion	Ratio	Lower	Upper
240	100		
120	5.4	6.8	10.2#
236	26.0	20.9	31.3



#76
Benzidine
Concen: 2.871 ng
RT: 20.00 min Scan# 2844
Delta R.T. 0.37 min
Lab File: BG035932.D
Acq: 27 Jul 2018 11:33

Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.5	11.1	16.7
183	8.5	10.6	16.0#





#78

Terphenyl-d14

Concen: 95.122 ng

RT: 20.00 min Scan# 2844

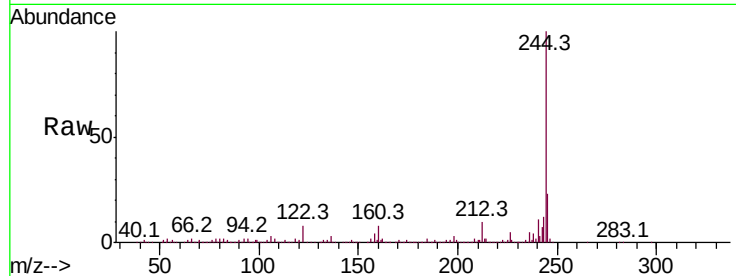
Delta R.T. -0.00 min

Lab File: BG035932.D

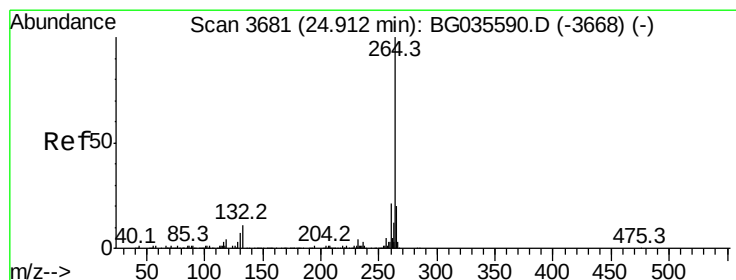
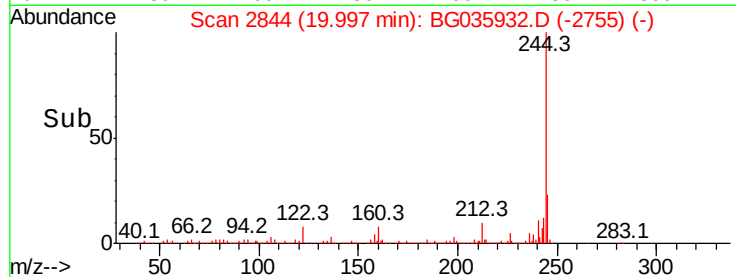
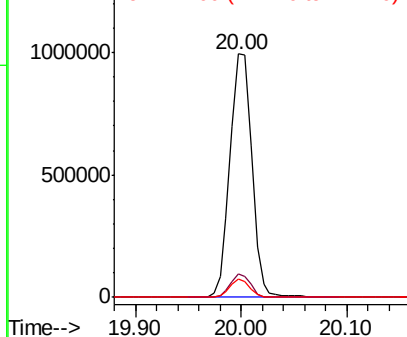
Acq: 27 Jul 2018 11:33

Tot Ion:244 Resp: 1425347

Ion	Ratio	Lower	Upper
244	100		
212	9.7	5.8	8.8#
122	7.6	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: 24.86 min Scan# 3671

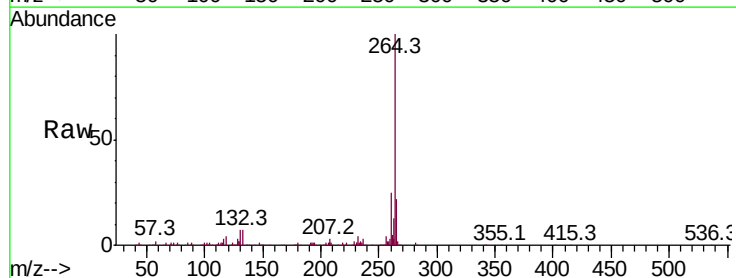
Delta R.T. -0.00 min

Lab File: BG035932.D

Acq: 27 Jul 2018 11:33

Tgt Ion:264 Resp: 313043

Ion	Ratio	Lower	Upper
264	100		
260	24.9	17.4	26.0
265	21.9	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

