

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040418\
 Data File : BG033566.D
 Acq On : 4 Apr 2018 18:59
 Operator : SJ/JU
 Sample : J2177-15
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

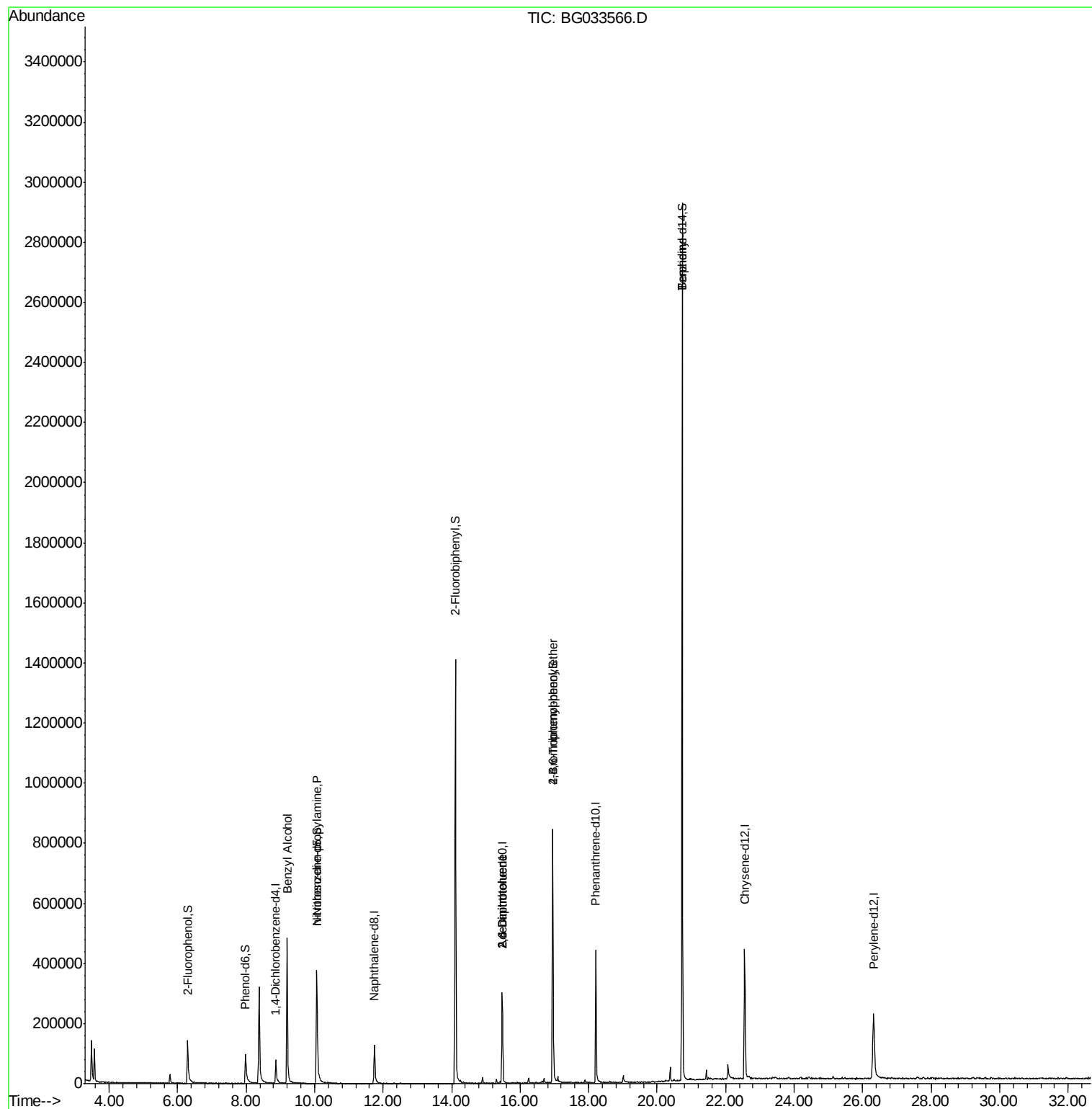
Quant Time: Apr 05 03:25:04 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 04 18:35:46 2018
 Response via : Initial Calibration

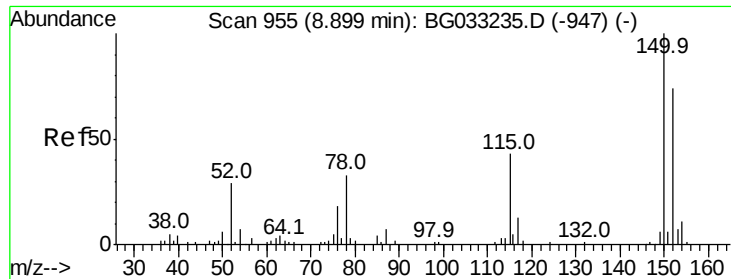
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	29429	20.00	ng	0.00
21) Naphthalene-d8	11.75	136	140299	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	118305	20.00	ng	-0.01
63) Phenanthrene-d10	18.21	188	320921	20.00	ng	0.00
75) Chrysene-d12	22.56	240	321638	20.00	ng	0.00
86) Perylene-d12	26.32	264	327080	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	81776	52.11	ng	0.00
7) Phenol-d6	7.98	99	92458	34.29	ng	0.00
23) Nitrobenzene-d5	10.06	82	308661	101.08	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	172687	97.60	ng	0.00
44) 2-Fluorobiphenyl	14.11	172	808619	98.67	ng	0.00
78) Terphenyl-d14	20.73	244	1457015	96.88	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.20	79	5038	2.373	ng	# 31
19) n-Nitroso-di-n-propylamine	10.06	70	43428	21.978	ng	# 74
50) 2,6-Dinitrotoluene	15.48	165	14763	7.013	ng	# 18
56) 2,4-Dinitrotoluene	15.48	165	14763	4.763	ng	# 16
66) 4-Bromophenyl-phenylether	16.95	248	12272	3.256	ng	# 1
76) Benzidine	20.73	184	24445	2.803	ng	# 92

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

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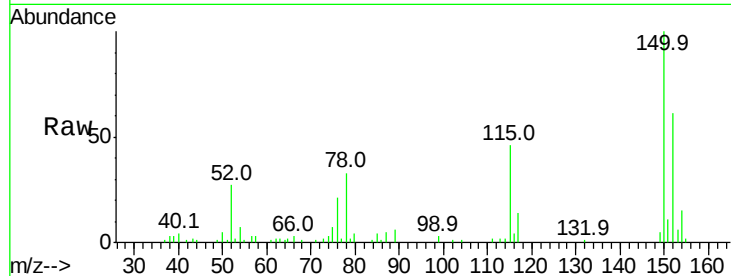




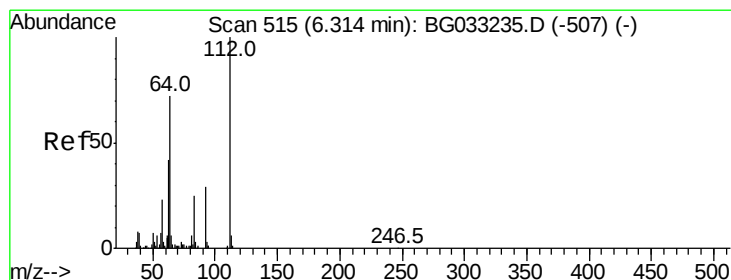
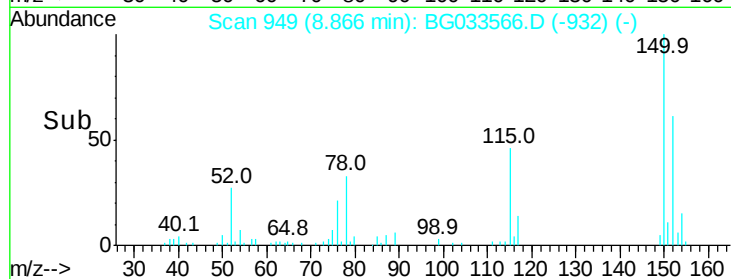
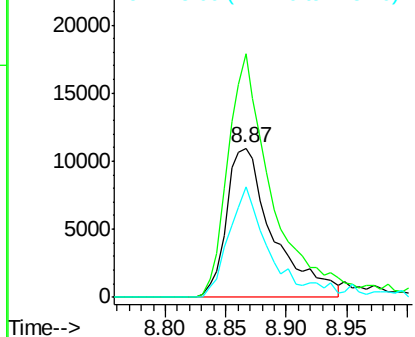
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.87 min Scan# 949
Delta R.T. 0.00 min
Lab File: BG033566.D
Acq: 4 Apr 2018 18:59

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.1	126.6	189.8
115	74.3	53.0	79.4



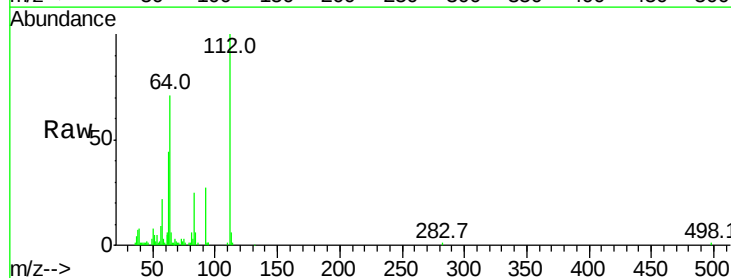
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



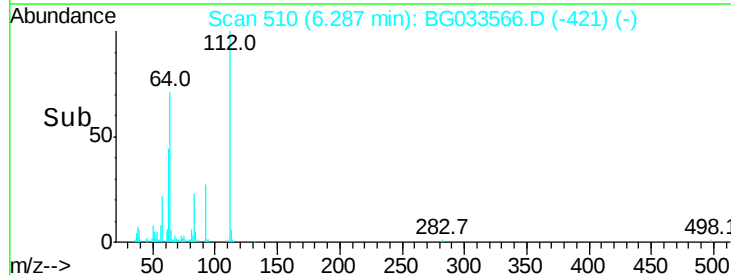
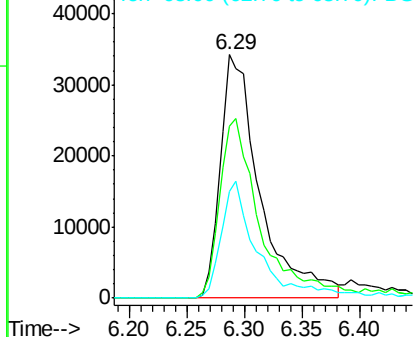
#5

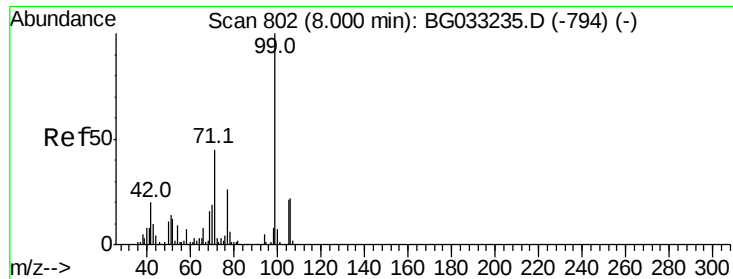
2-Fluorophenol
Concen: 52.105 ng
RT: 6.29 min Scan# 510
Delta R.T. -0.01 min
Lab File: BG033566.D
Acq: 4 Apr 2018 18:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.8	56.3	84.5
63	43.8	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: 34.286 ng

RT: 7.98 min Scan# 798

Delta R.T. 0.00 min

Lab File: BG033566.D

Acq: 4 Apr 2018 18:59

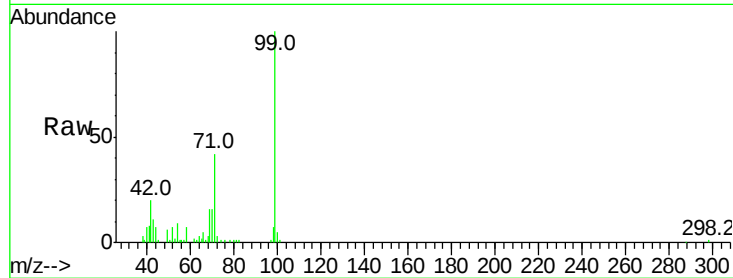
Tot Ion: 99 Resp: 92458

Ion Ratio Lower Upper

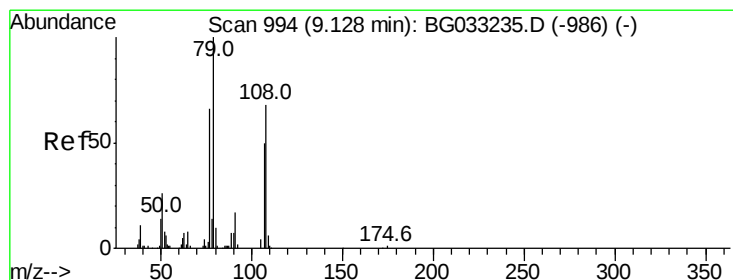
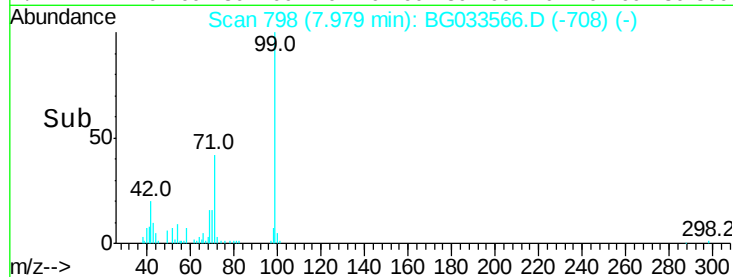
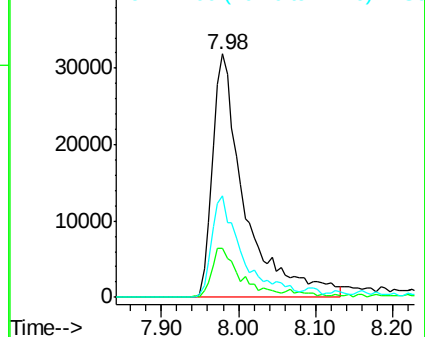
99 100

42 20.2 14.1 21.1

71 41.8 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



#15

Benzyl Alcohol

Concen: 2.373 ng

RT: 9.20 min Scan# 1005

Delta R.T. 0.09 min

Lab File: BG033566.D

Acq: 4 Apr 2018 18:59

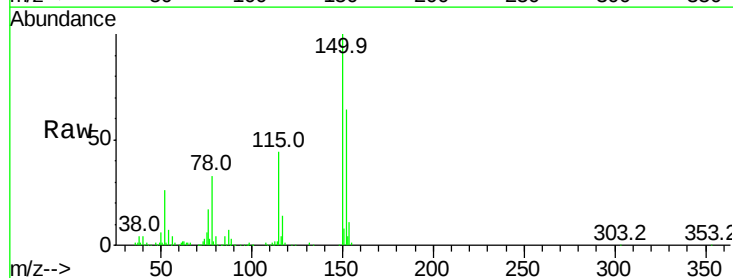
Tgt Ion: 79 Resp: 5038

Ion Ratio Lower Upper

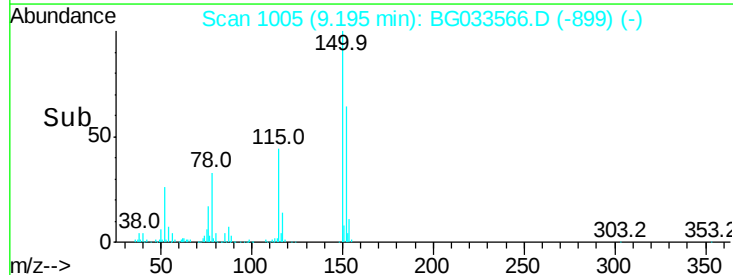
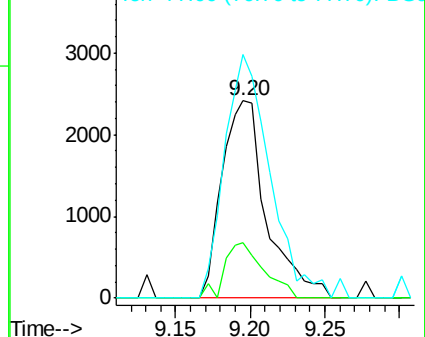
79 100

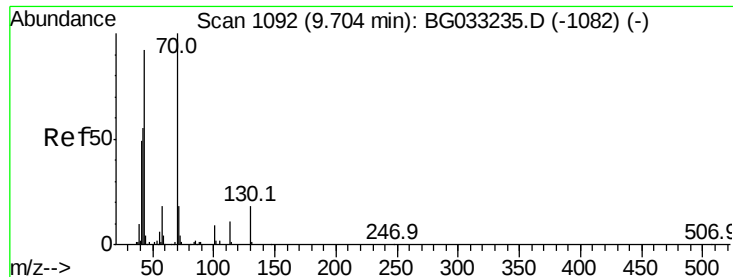
108 28.3 57.2 85.8#

77 123.6 46.1 69.1#



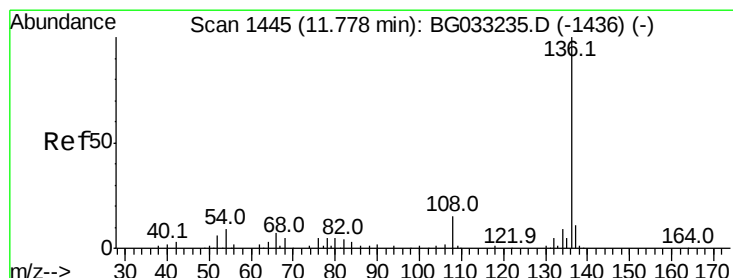
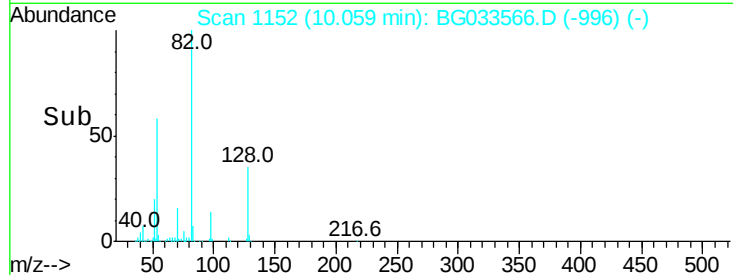
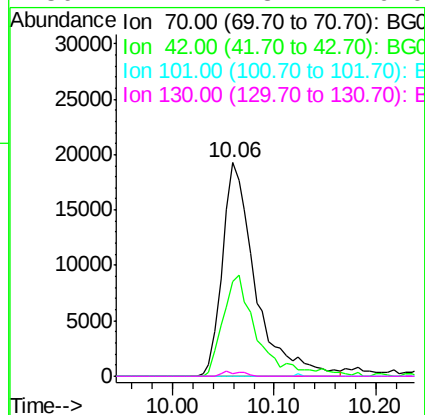
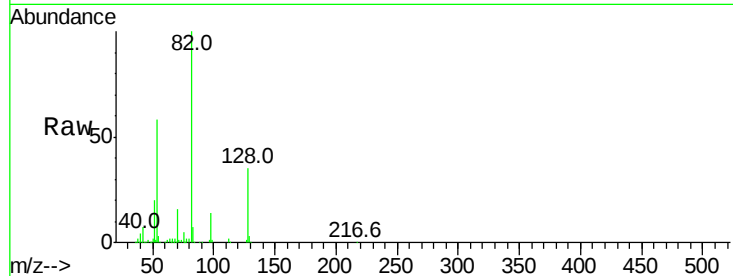
Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





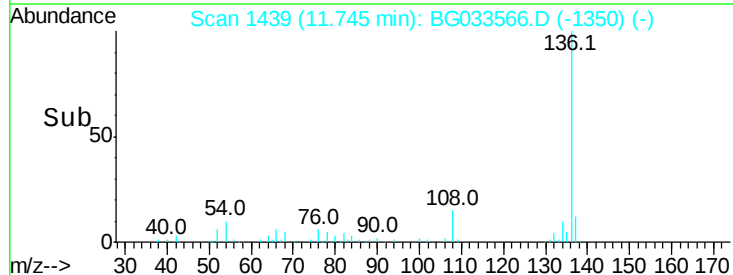
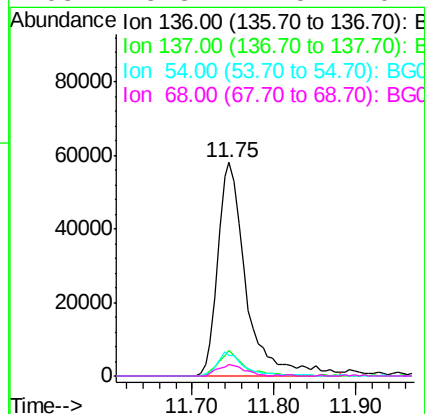
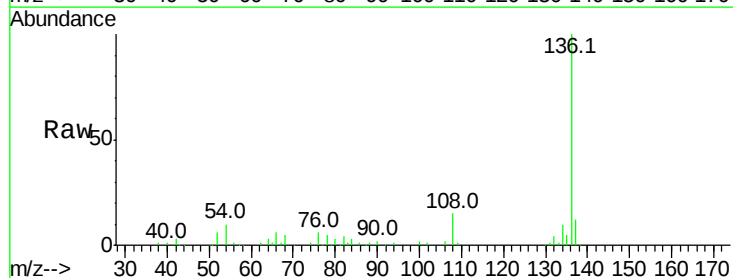
#19
n-Nitroso-di-n-propylamine
Concen: 21.978 ng
RT: 10.06 min Scan# 1152
Delta R.T. 0.39 min
Lab File: BG033566.D
Acq: 4 Apr 2018 18:59

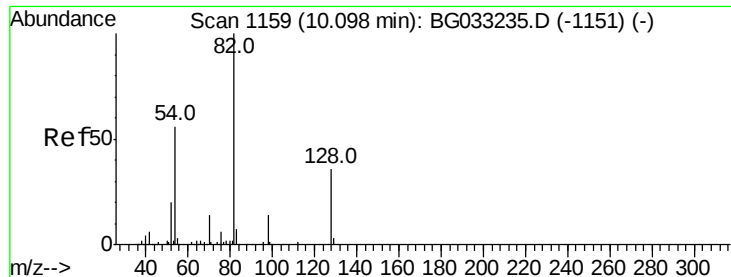
Tot Ion	Ratio	Lower	Upper
70	100		
42	44.1	49.1	73.7#
101	0.0	8.5	12.7#
130	1.4	13.4	20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.75 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BG033566.D
Acq: 4 Apr 2018 18:59

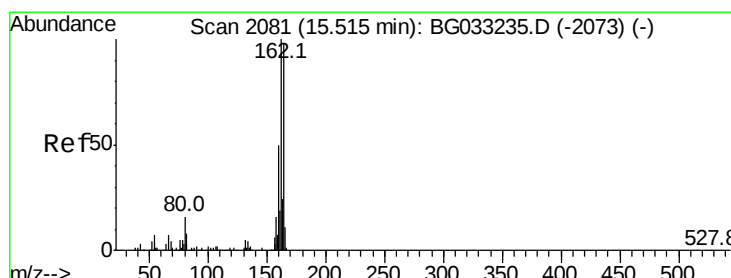
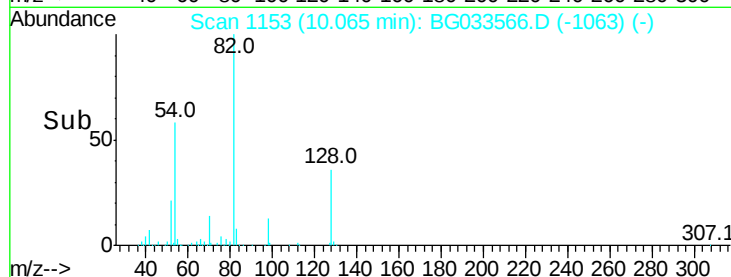
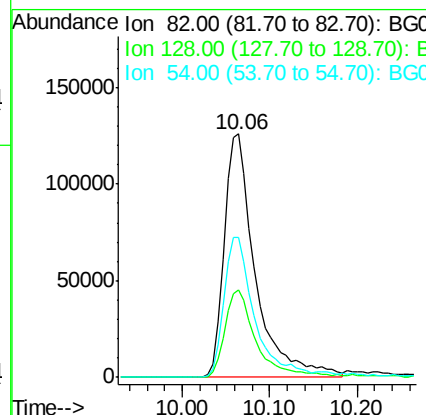
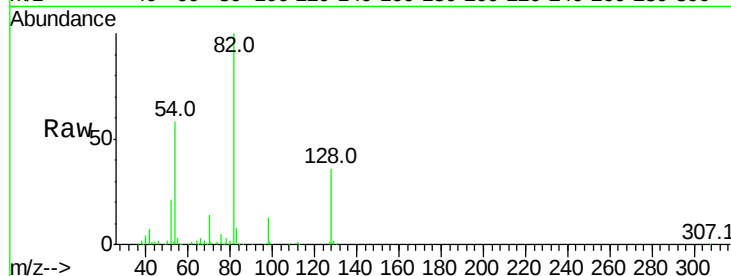
Tgt Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.2	13.8
54	9.6	10.3	15.5#
68	5.3	4.5	6.7





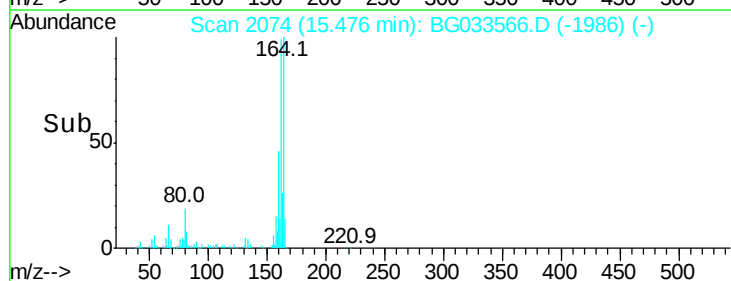
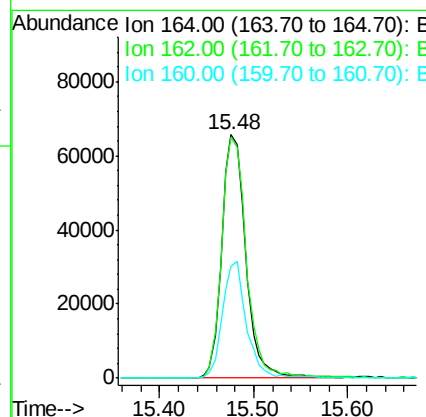
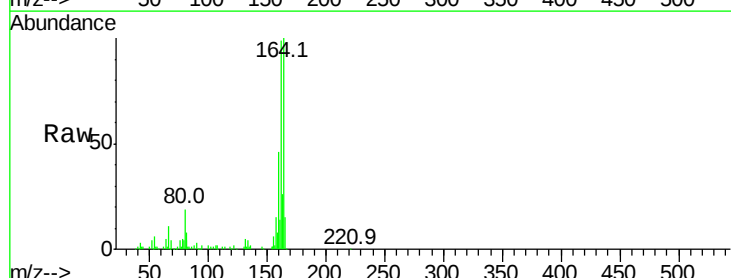
#23
 Nitrobenzene-d5
 Concen: 101.078 ng
 RT: 10.06 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: BG033566.D
 Acq: 4 Apr 2018 18:59

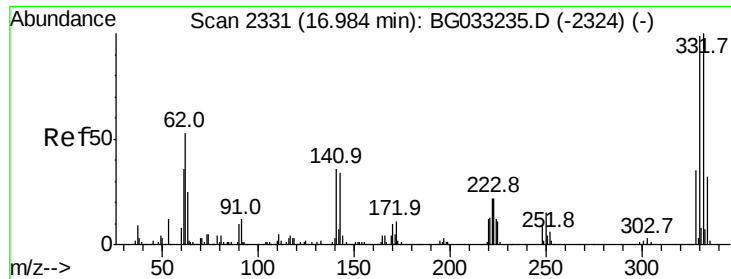
Tot Ion	82	Resp	308661
Ion	Ratio	Lower	Upper
82	100		
128	35.7	29.7	44.5
54	57.6	43.1	64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2074
 Delta R.T. -0.01 min
 Lab File: BG033566.D
 Acq: 4 Apr 2018 18:59

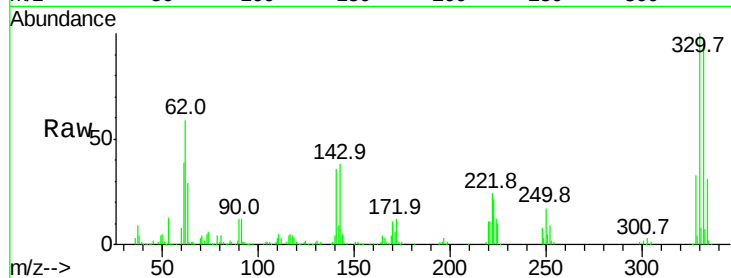
Tgt Ion	164	Resp	118305
Ion	Ratio	Lower	Upper
164	100		
162	98.8	78.8	118.2
160	46.0	35.4	53.0



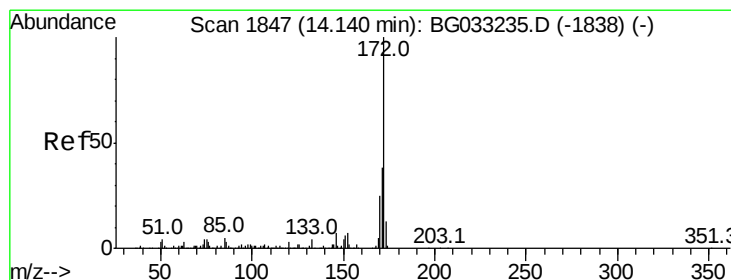
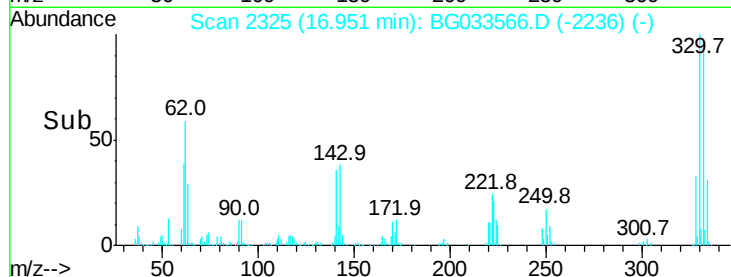
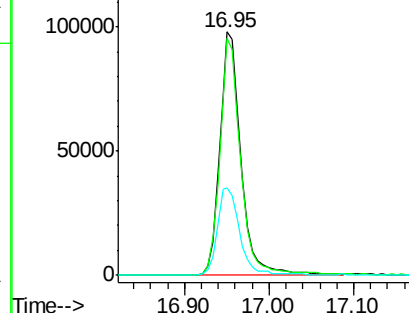


#41
 2,4,6-Tribromophenol
 Concen: 97.597 ng
 RT: 16.95 min Scan# 2325
 Delta R.T. -0.01 min
 Lab File: BG033566.D
 Acq: 4 Apr 2018 18:59

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	38.1	25.2	37.8#

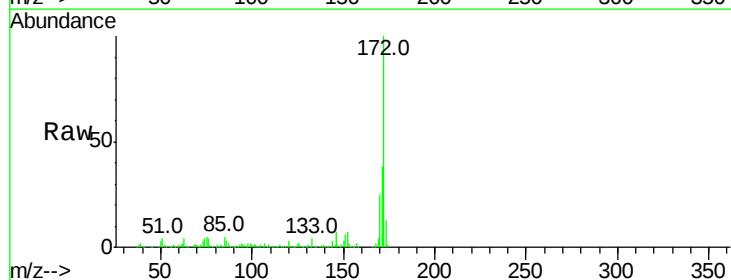


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

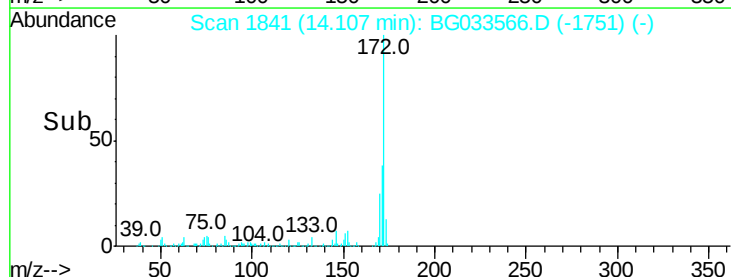
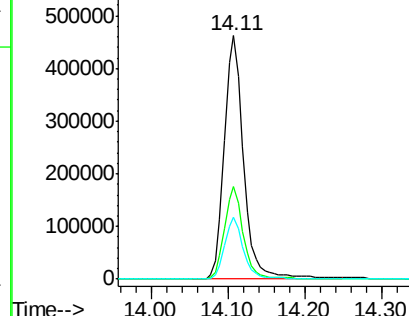


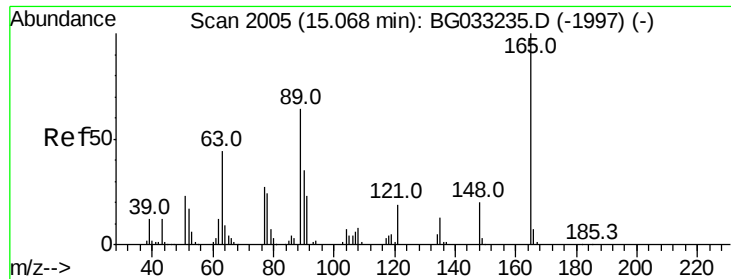
#44
 2-Fluorobiphenyl
 Concen: 98.673 ng
 RT: 14.11 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BG033566.D
 Acq: 4 Apr 2018 18:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.3	30.0	45.0
170	25.3	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: 7.013 ng

RT: 15.48 min Scan# 2074

Delta R.T. 0.44 min

Lab File: BG033566.D

Acq: 4 Apr 2018 18:59

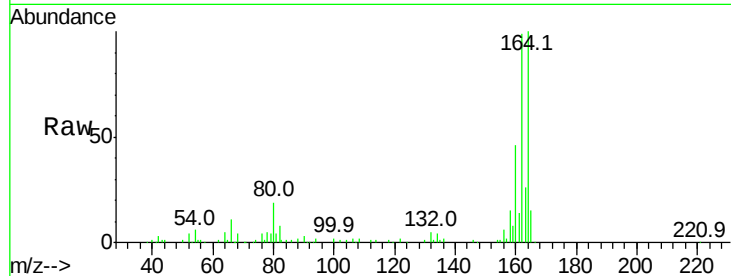
Tot Ion:165 Resp: 14763

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

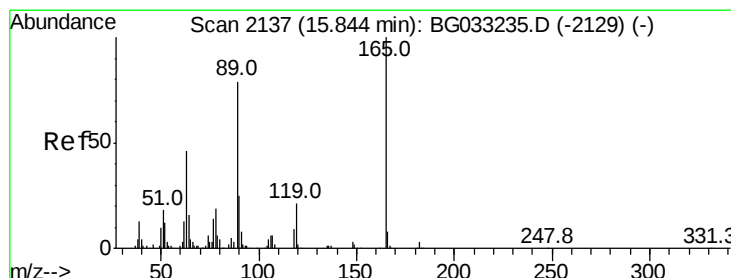
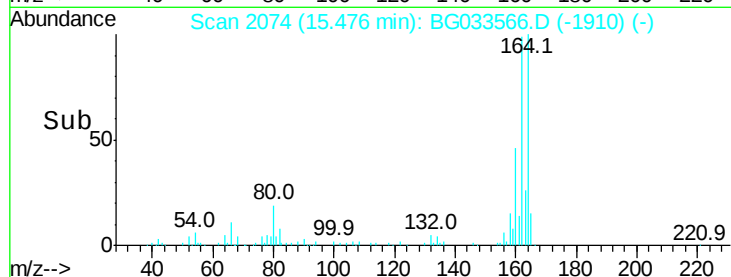
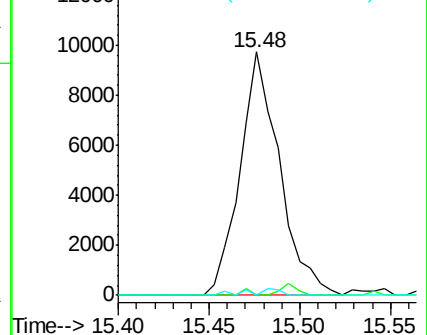
89 0.0 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#56

2,4-Dinitrotoluene

Concen: 4.763 ng

RT: 15.48 min Scan# 2074

Delta R.T. -0.34 min

Lab File: BG033566.D

Acq: 4 Apr 2018 18:59

Tgt Ion:165 Resp: 14763

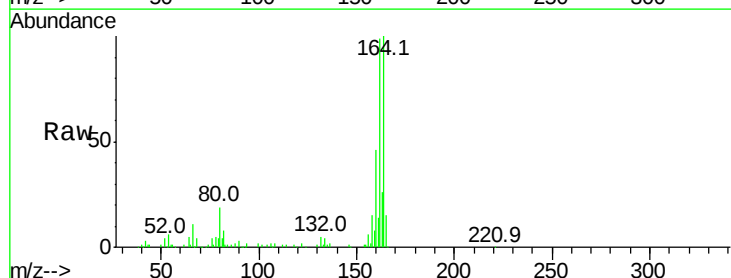
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

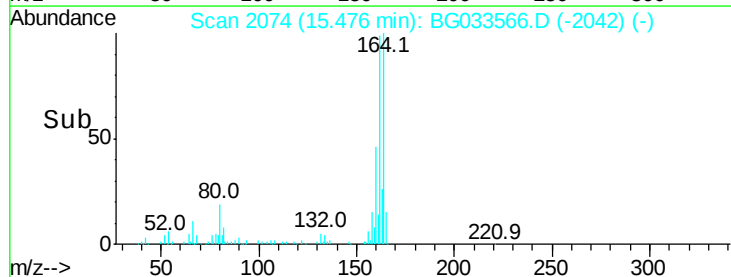
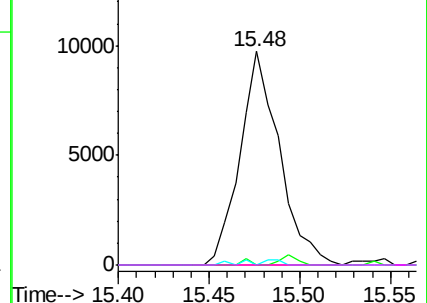


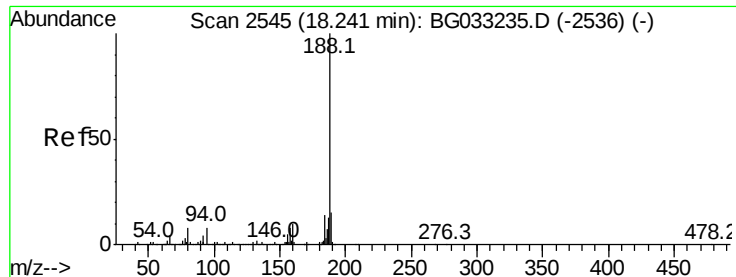
Abundance Ion 165.00 (164.70 to 165.70): E

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: 18.21 min Scan# 2539

Delta R.T. -0.01 min

Lab File: BG033566.D

Acq: 4 Apr 2018 18:59

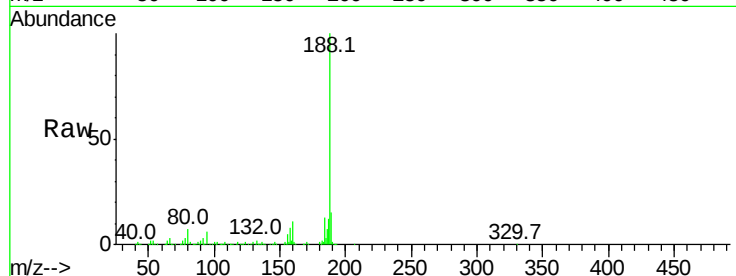
Tot Ion:188 Resp: 320921

Ion Ratio Lower Upper

188 100

94 6.4 6.9 10.3#

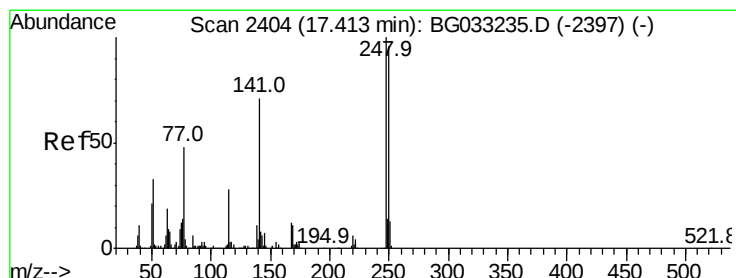
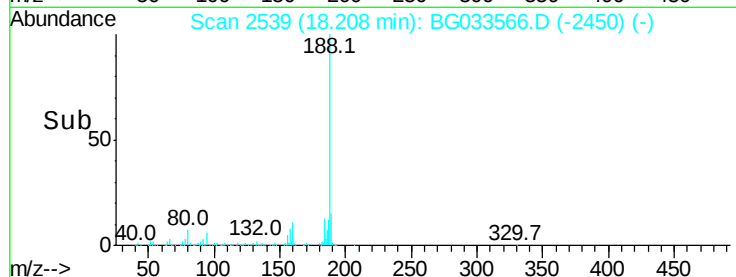
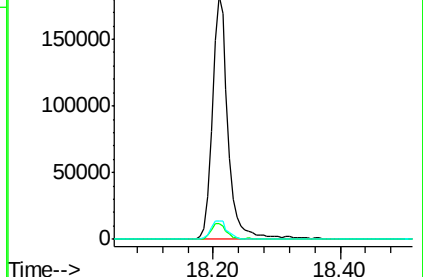
80 7.5 7.7 11.5#



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: 3.256 ng

RT: 16.95 min Scan# 2325

Delta R.T. -0.43 min

Lab File: BG033566.D

Acq: 4 Apr 2018 18:59

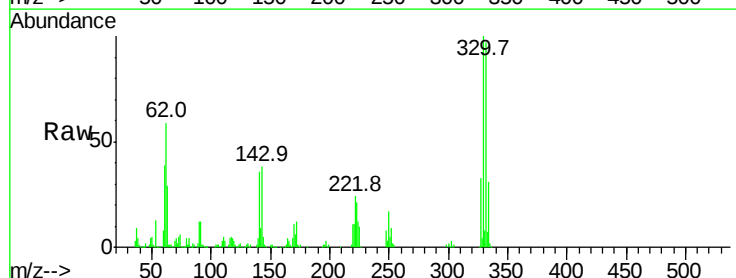
Tgt Ion:248 Resp: 12272

Ion Ratio Lower Upper

248 100

250 211.7 77.1 115.7#

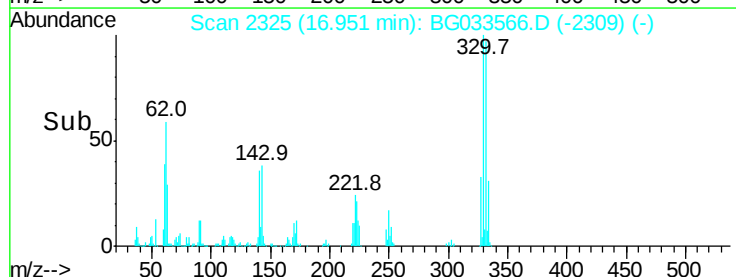
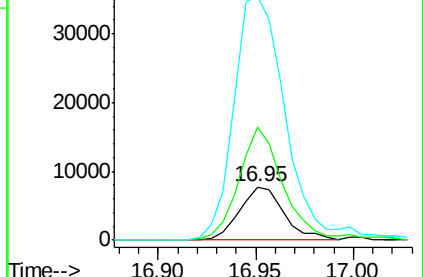
141 456.2 50.8 76.2#

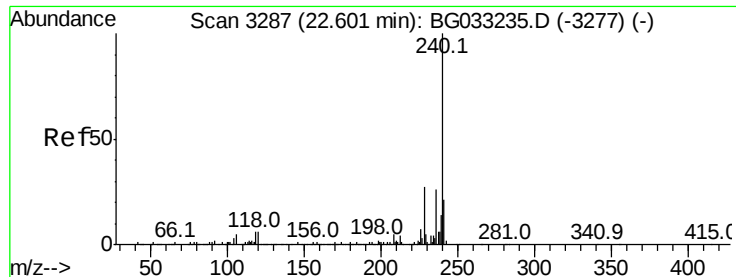


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.56 min Scan# 3279

Delta R.T. -0.01 min

Lab File: BG033566.D

Acq: 4 Apr 2018 18:59

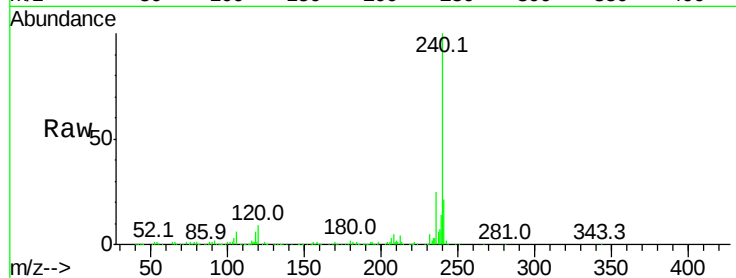
Tot Ion:240 Resp: 321638

Ion Ratio Lower Upper

240 100

120 8.6 6.8 10.2

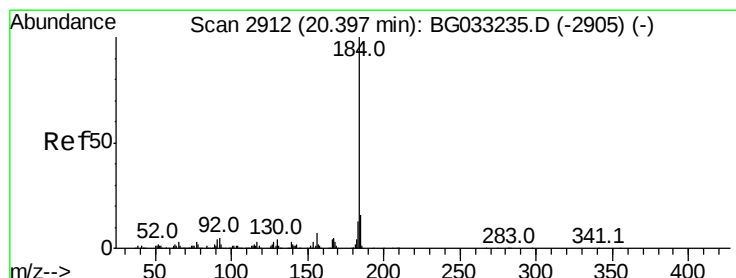
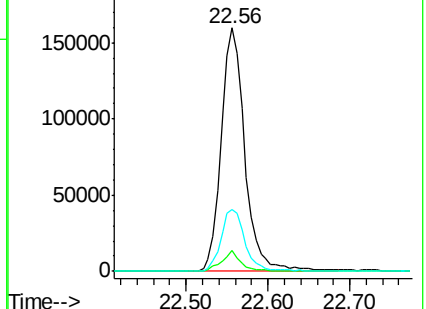
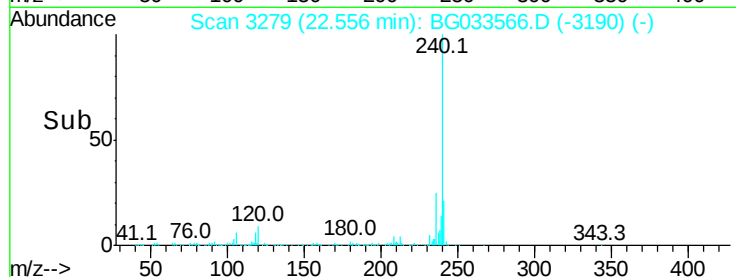
236 25.4 20.9 31.3



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: 2.803 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.36 min

Lab File: BG033566.D

Acq: 4 Apr 2018 18:59

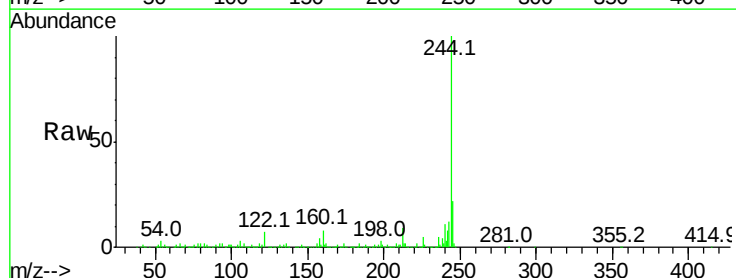
Tgt Ion:184 Resp: 24445

Ion Ratio Lower Upper

184 100

185 17.5 11.1 16.7#

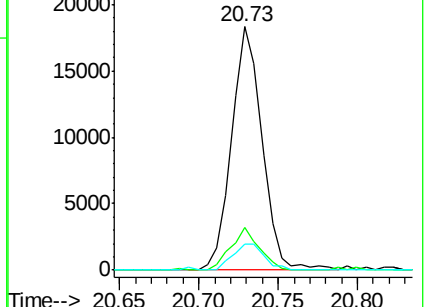
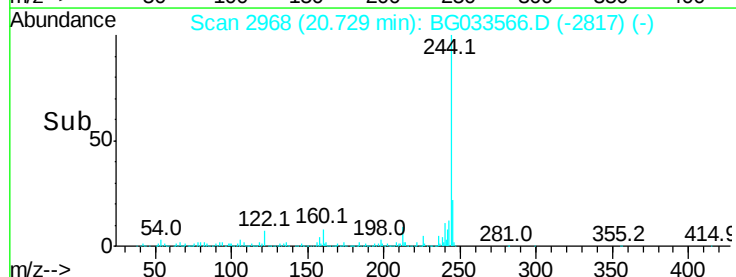
183 10.8 10.6 16.0

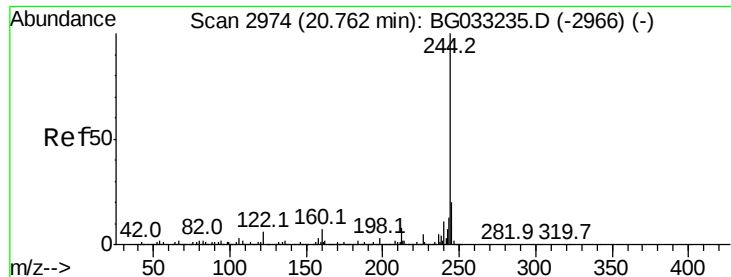


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 96.879 ng

RT: 20.73 min Scan# 2968

Delta R.T. -0.01 min

Lab File: BG033566.D

Acq: 4 Apr 2018 18:59

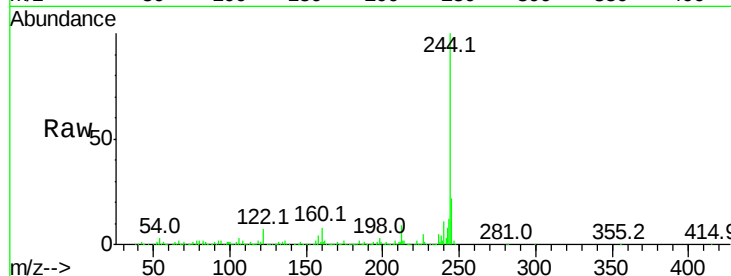
Tot Ion:244 Resp: 1457015

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

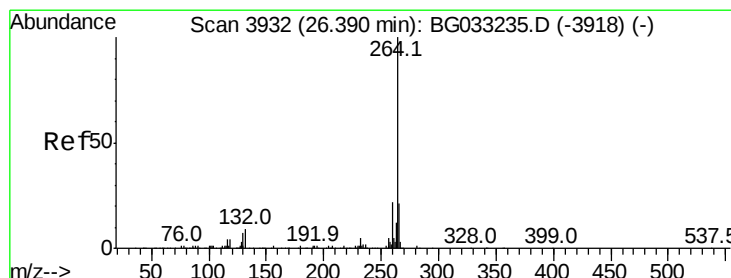
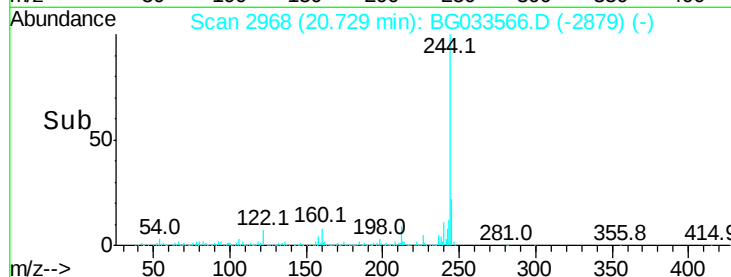
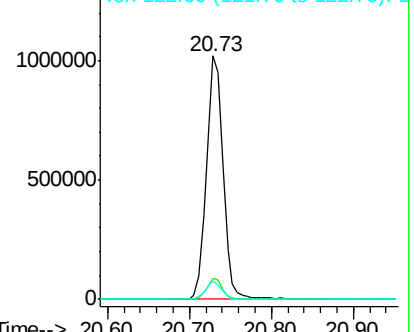
122 7.3 7.0 10.4



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: 26.32 min Scan# 3919

Delta R.T. -0.01 min

Lab File: BG033566.D

Acq: 4 Apr 2018 18:59

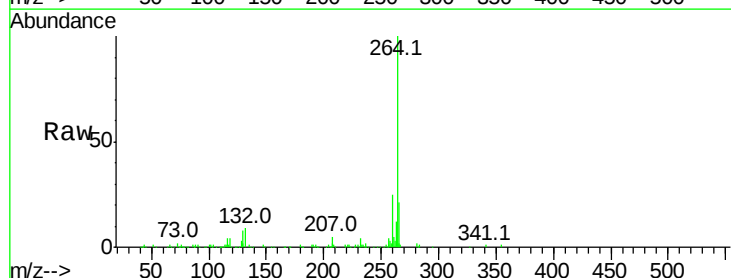
Tgt Ion:264 Resp: 327080

Ion Ratio Lower Upper

264 100

260 24.7 17.4 26.0

265 20.6 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

