

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111518\
 Data File : BG038020.D
 Acq On : 15 Nov 2018 16:18
 Operator : JU/SJ
 Sample : J5950-02DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 16 06:27:05 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 16:39:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	52047	20.00	ng	0.00
21) Naphthalene-d8	10.91	136	217531	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	138204	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	278735	20.00	ng	0.00
76) Chrysene-d12	21.75	240	289912	20.00	ng	0.00
87) Perylene-d12	25.07	264	321652	20.00	ng	-0.01

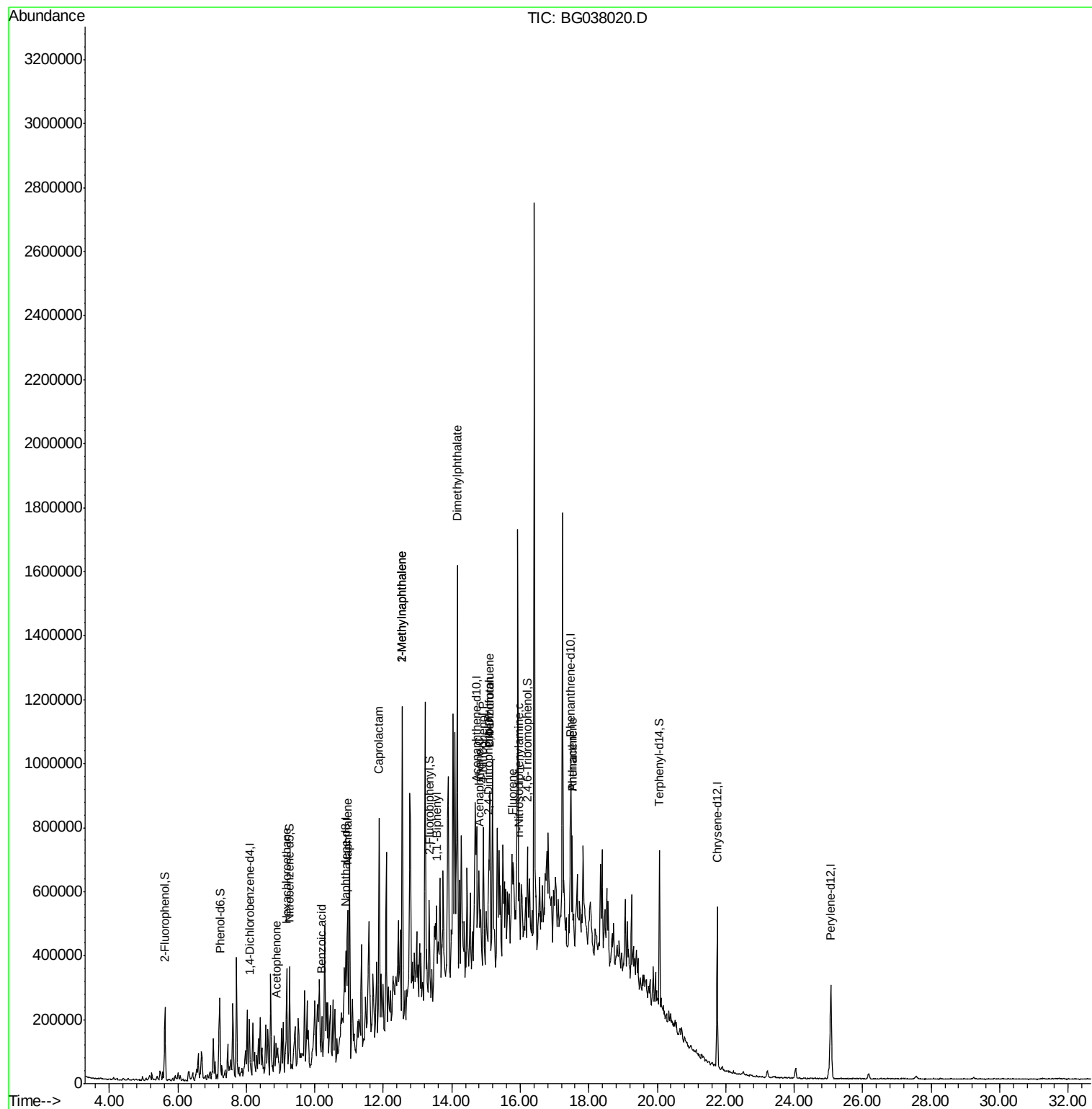
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	93590	31.05	ng	0.00
7) Phenol-d6	7.22	99	136493	31.72	ng	0.00
23) Nitrobenzene-d5	9.26	82	85632	21.07	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	39734	25.21	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	180798	19.06	ng	0.00
79) Terphenyl-d14	20.07	244	240946	19.56	ng	0.00

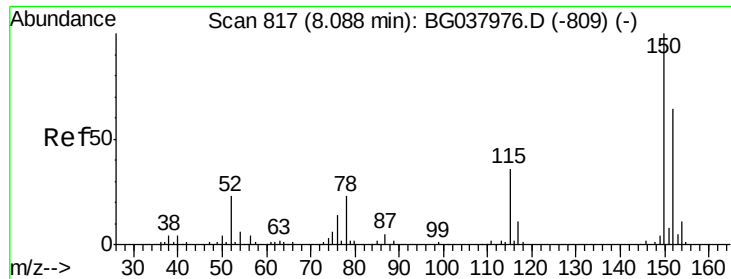
Target Compounds				Qvalue		
18) Hexachloroethane	9.19	117	32848	22.174	ng	# 1
22) Acetophenone	8.88	105	76902	14.209	ng	# 53
31) Naphthalene	10.96	128	255171	23.849	ng	# 99
32) Benzoic acid	10.19	122	61	12.356	ng	# 1
35) Caprolactam	11.88	113	26004	18.472	ng	# 46
37) 2-Methylnaphthalene	12.55	142	492442	64.076	ng	# 98
38) 1-Methylnaphthalene	12.55	142	492442	66.567	ng	# 97
46) 1,1'-Biphenyl	13.55	154	111028	9.563	ng	# 100
50) Dimethylphthalate	14.16	163	23329	2.129	ng	# 96
52) Acenaphthene	14.79	154	18965	2.364	ng	# 59
54) 2,4-Dinitrophenol	15.07	184	621	9.694	ng	# 1
55) Dibenzofuran	15.12	168	35184	2.653	ng	# 27
56) 4-Nitrophenol	14.92	139	20099	9.524	ng	# 63
57) 2,4-Dinitrotoluene	15.11	165	9129	2.706	ng	# 50
58) Fluorene	15.77	166	66064	6.676	ng	# 91
66) n-Nitrosodiphenylamine	15.97	169	60670	7.195	ng	# 44
71) Phenanthrene	17.51	178	194197	13.608	ng	# 96
72) Anthracene	17.51	178	194197	13.805	ng	# 97

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

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Misc :
ALS Vial : 6 Sample Multiplier: 1

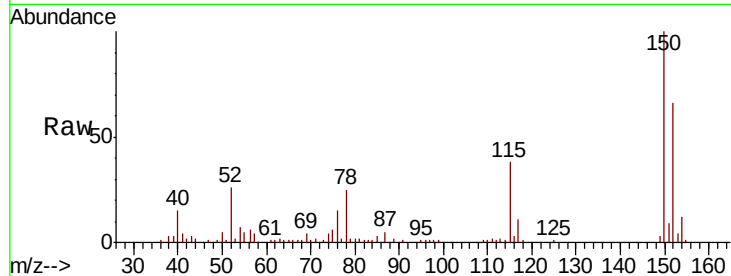
Quant Time: Nov 15 16:54:50 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 13 16:39:28 2018
Response via : Initial Calibration



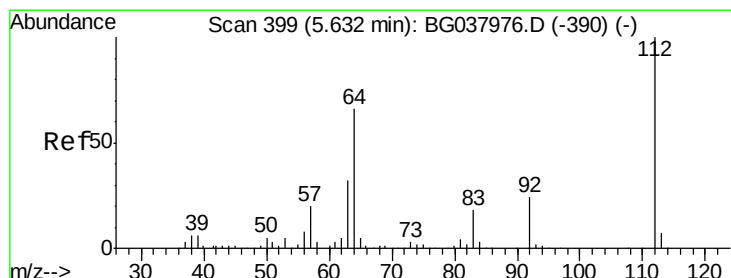
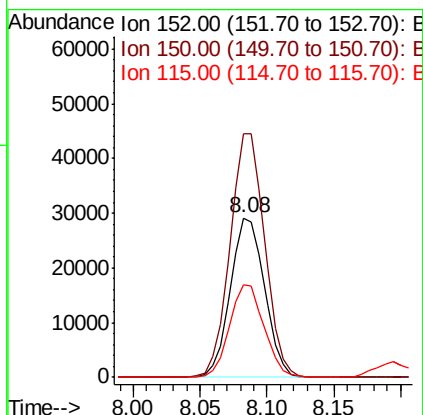
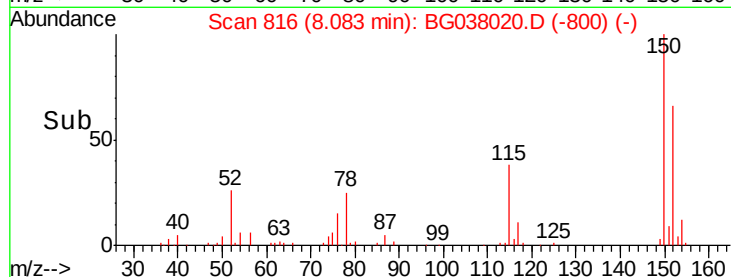


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.08 min Scan# 816
 Delta R.T. -0.01 min
 Lab File: BG038020.D
 Acq: 15 Nov 2018 16:18

Tot Ion:152 Resp: 52047
 Ion Ratio Lower Upper
 152 100
 150 152.4 126.0 189.0
 115 57.8 45.5 68.3

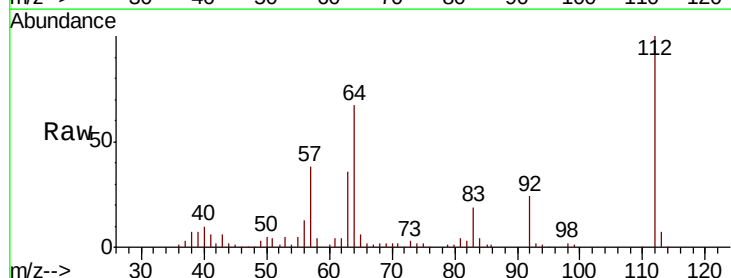


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

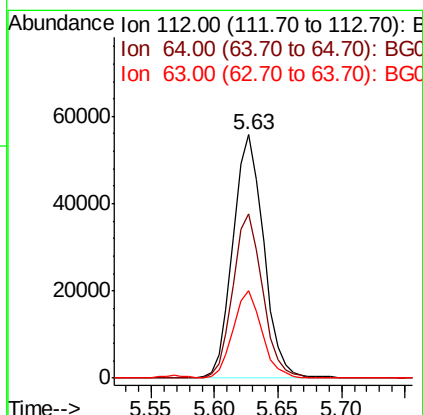
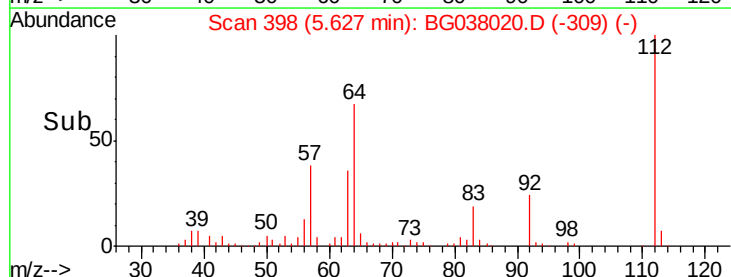


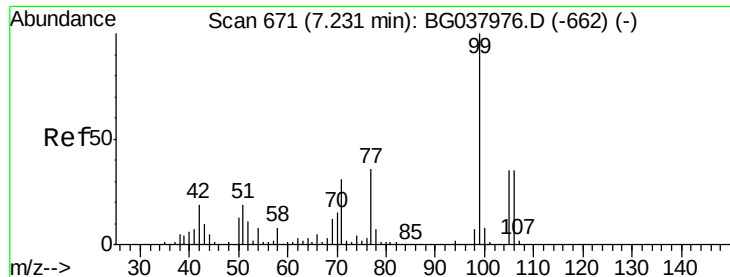
#5
 2-Fluorophenol
 Concen: 31.047 ng
 RT: 5.63 min Scan# 398
 Delta R.T. -0.01 min
 Lab File: BG038020.D
 Acq: 15 Nov 2018 16:18

Tgt Ion:112 Resp: 93590
 Ion Ratio Lower Upper
 112 100
 64 67.3 53.1 79.7
 63 35.8 27.3 40.9



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





#7

Phenol-d6

Concen: 31.720 ng

RT: 7.22 min Scan# 670

Delta R.T. -0.01 min

Lab File: BG038020.D

Acq: 15 Nov 2018 16:18

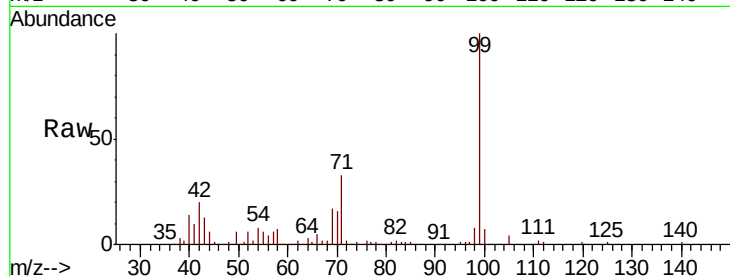
Tot Ion: 99 Resp: 136493

Ion Ratio Lower Upper

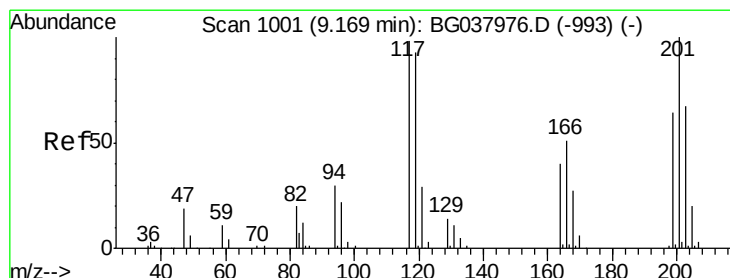
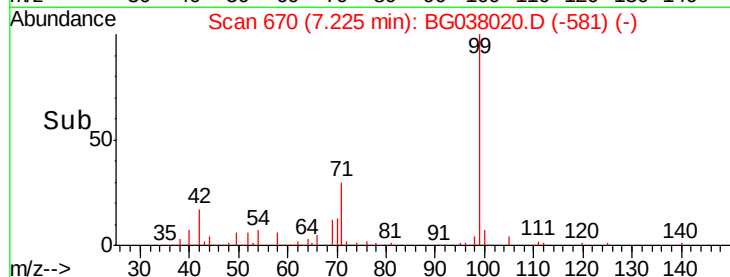
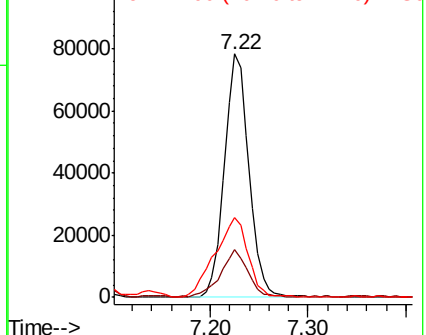
99 100

42 19.6 15.0 22.4

71 32.9 25.5 38.3



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



#18

Hexachloroethane

Concen: 22.174 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.02 min

Lab File: BG038020.D

Acq: 15 Nov 2018 16:18

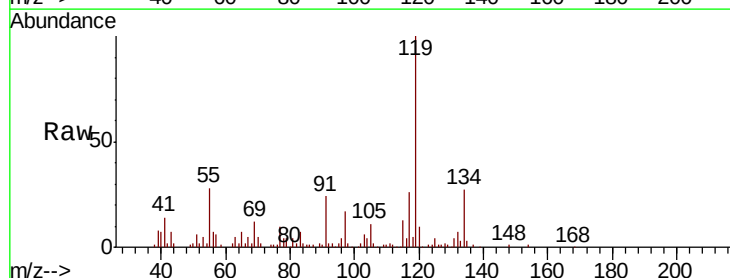
Tgt Ion: 117 Resp: 32848

Ion Ratio Lower Upper

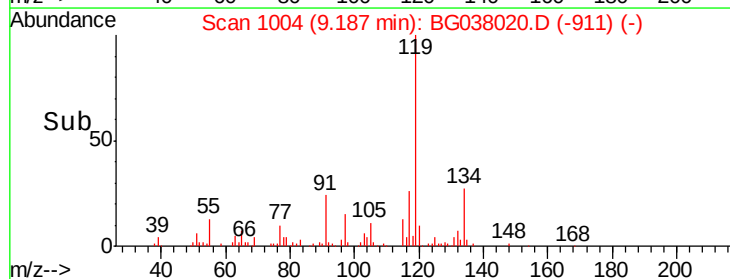
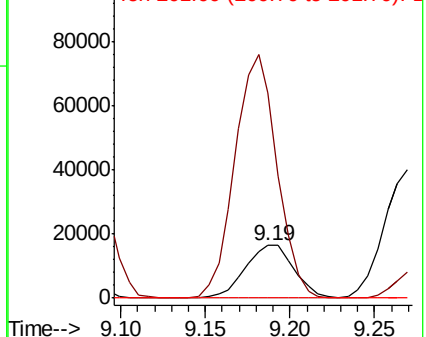
117 100

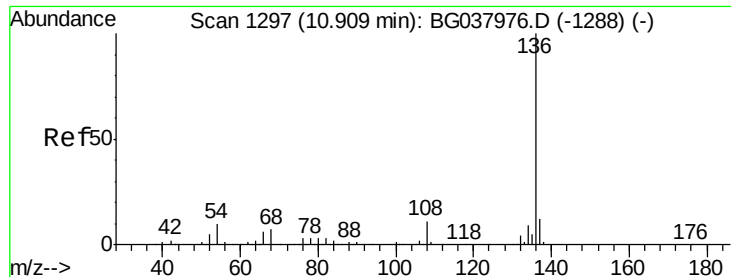
119 390.0 74.6 111.8#

201 0.0 80.8 121.2#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.91 min Scan# 1297

Delta R.T. 0.00 min

Lab File: BG038020.D

Acq: 15 Nov 2018 16:18

Tot Ion:136 Resp: 217531

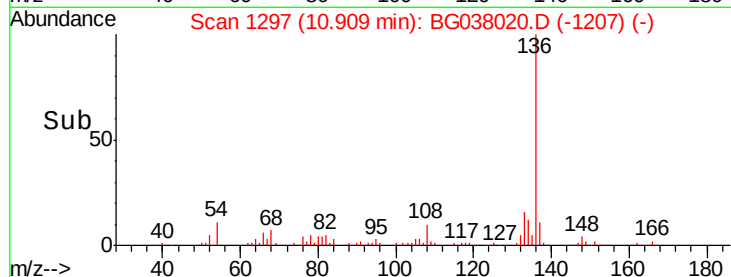
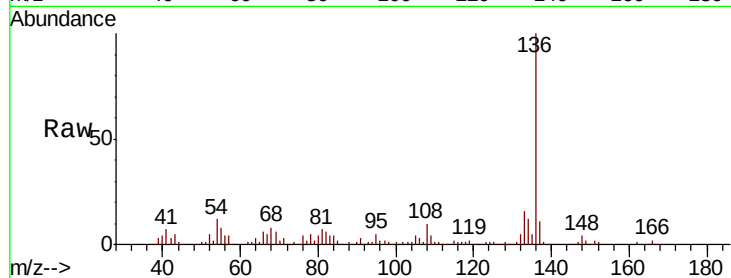
Ion Ratio Lower Upper

136 100

137 11.2 9.6 14.4

54 12.3 7.9 11.9#

68 8.2 4.8 7.2#

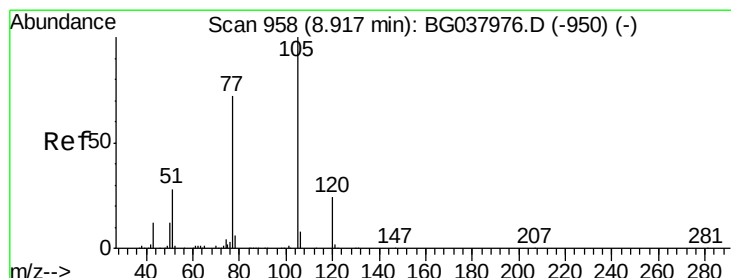
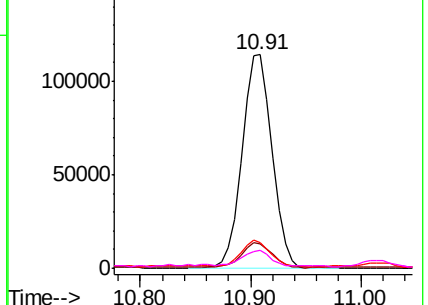


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 14.209 ng

RT: 8.88 min Scan# 951

Delta R.T. -0.04 min

Lab File: BG038020.D

Acq: 15 Nov 2018 16:18

Tgt Ion:105 Resp: 76902

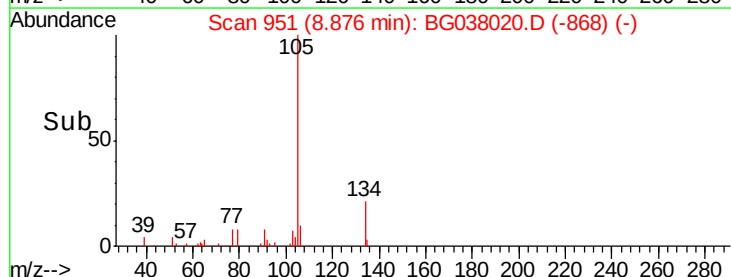
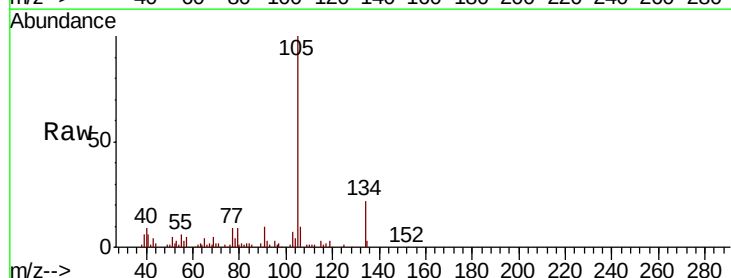
Ion Ratio Lower Upper

105 100

71 1.6 1.2 1.8

51 4.7 25.0 37.6#

120 0.0 18.6 28.0#

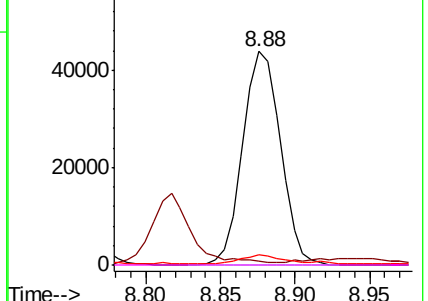


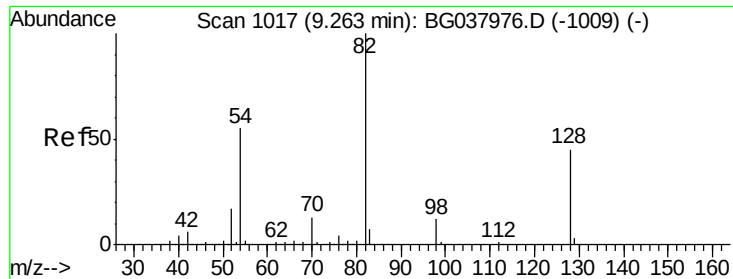
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

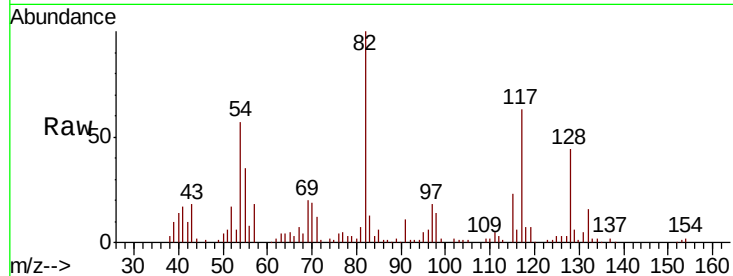
Ion 120.00 (119.70 to 120.70): E



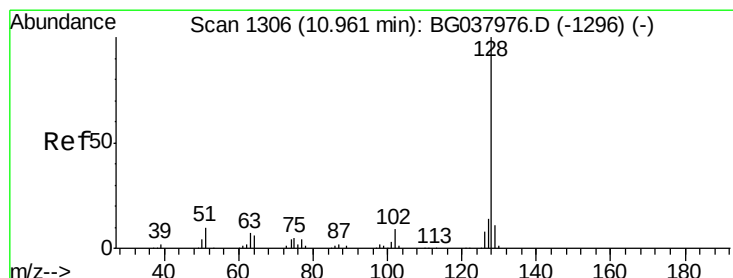
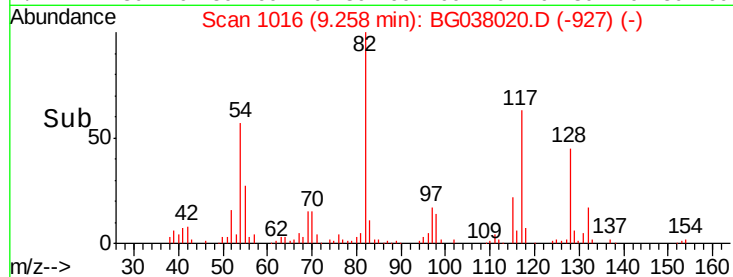
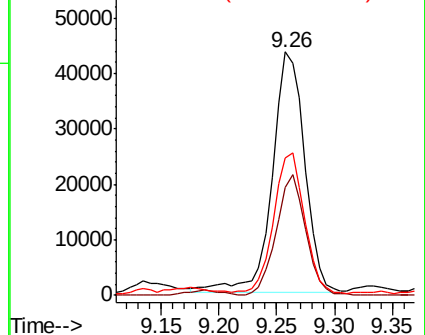


#23
Nitrobenzene-d5
Concen: 21.072 ng
RT: 9.26 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BG038020.D
Acq: 15 Nov 2018 16:18

Tot Ion:	82	Resp:	85632
Ion	Ratio	Lower	Upper
82	100		
128	44.5	34.6	51.8
54	56.6	45.3	67.9

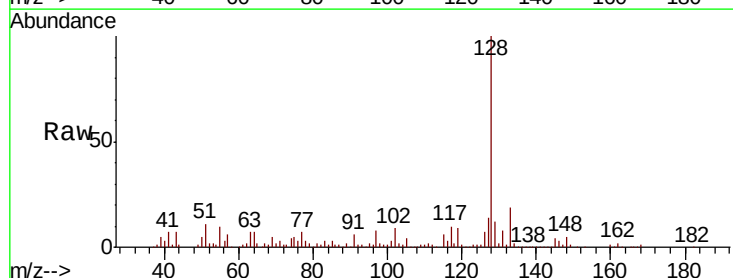


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

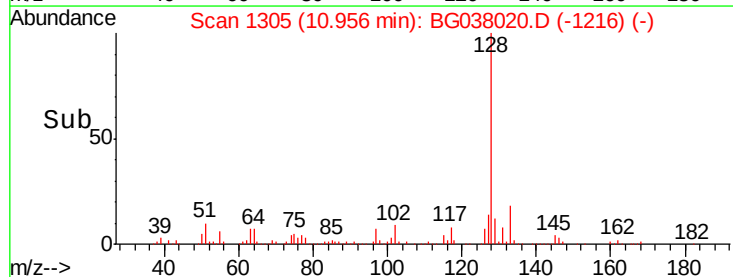
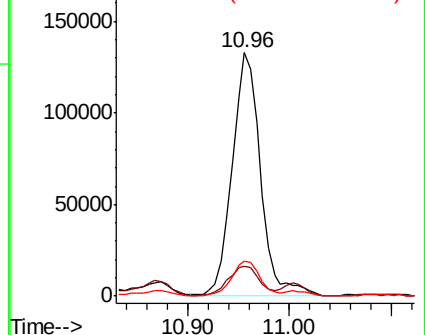


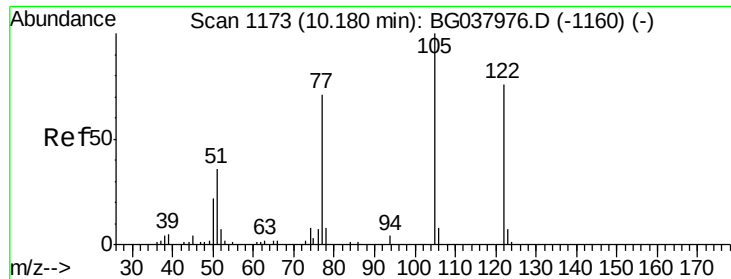
#31
Naphthalene
Concen: 23.849 ng
RT: 10.96 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BG038020.D
Acq: 15 Nov 2018 16:18

Tgt Ion:	128	Resp:	255171
Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.0	13.6
127	14.2	11.1	16.7



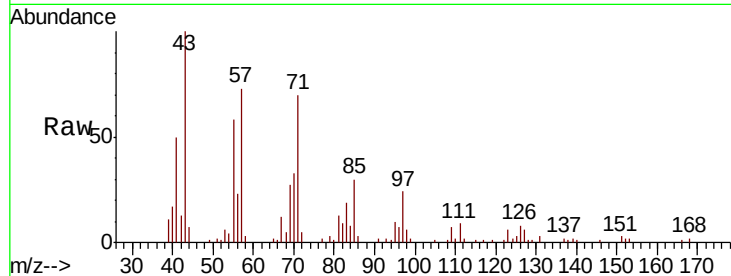
Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC



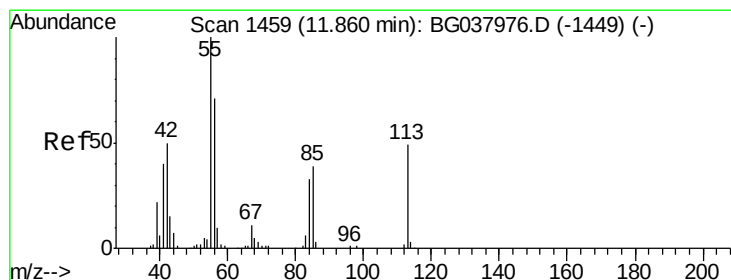
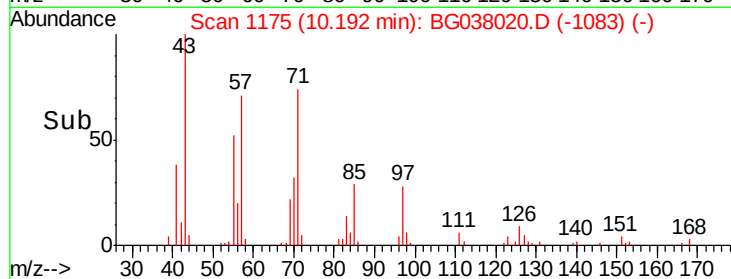
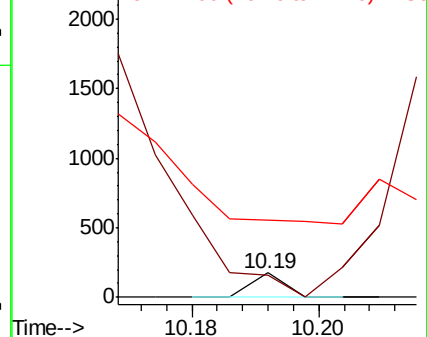


#32
Benzoic acid
Concen: 12.356 ng
RT: 10.19 min Scan# 1175
Delta R.T. 0.01 min
Lab File: BG038020.D
Acq: 15 Nov 2018 16:18

Tot Ion	Ratio	Lower	Upper
122	100		
105	92.5	106.7	146.7#
77	318.4	72.2	112.2#

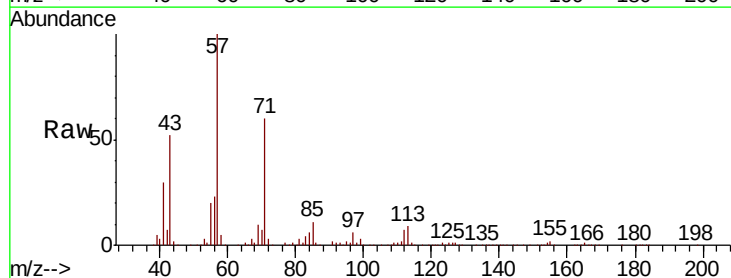


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

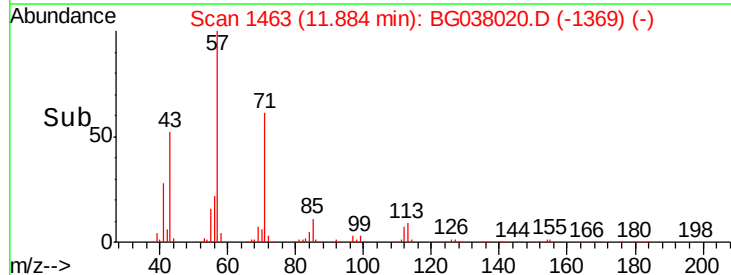
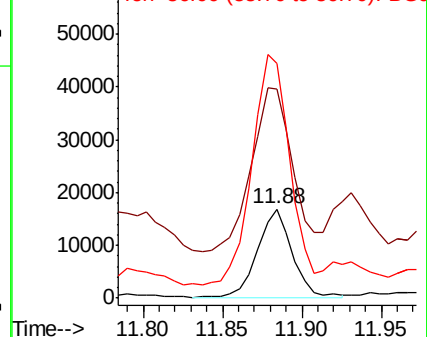


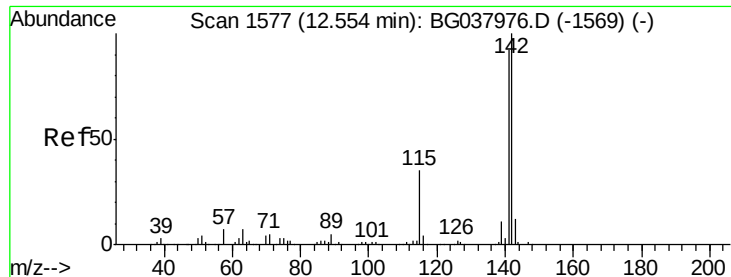
#35
Caprolactam
Concen: 18.472 ng
RT: 11.88 min Scan# 1463
Delta R.T. 0.02 min
Lab File: BG038020.D
Acq: 15 Nov 2018 16:18

Tgt Ion	Ratio	Lower	Upper
113	100		
55	235.0	176.6	216.6#
56	265.0	128.3	168.3#



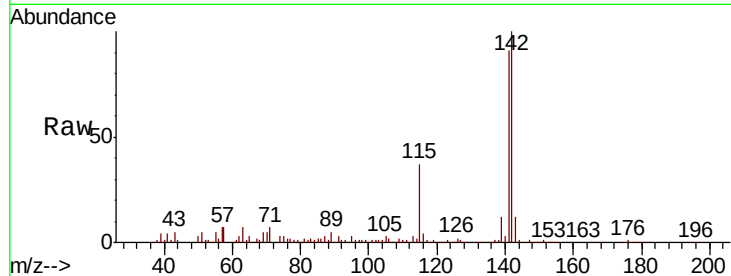
Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BGC
Ion 56.00 (55.70 to 56.70): BGC



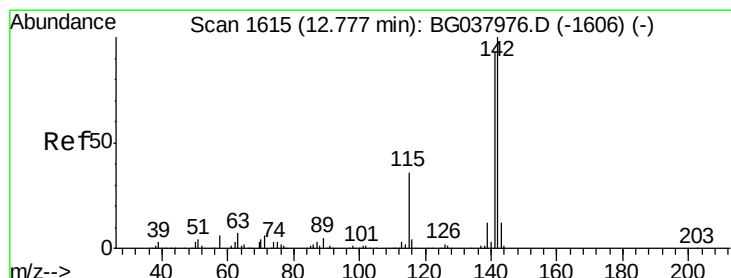
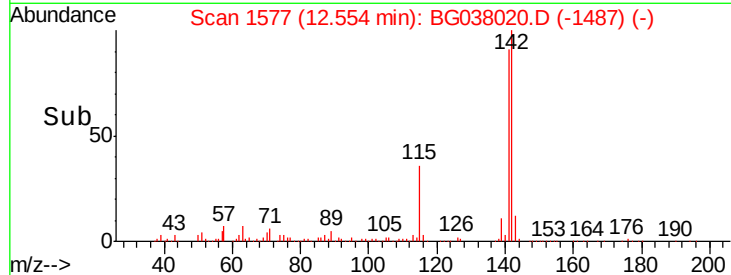
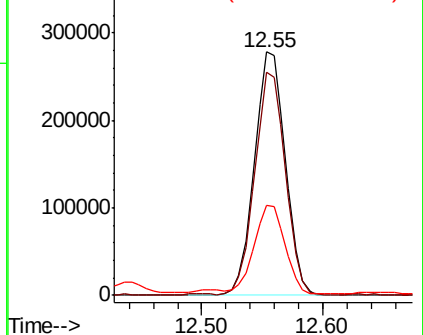


#37
2-Methylnaphthalene
Concen: 64.076 ng
RT: 12.55 min Scan# 1577
Delta R.T. 0.00 min
Lab File: BG038020.D
Acq: 15 Nov 2018 16:18

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.4	71.9	107.9
115	37.0	27.8	41.8

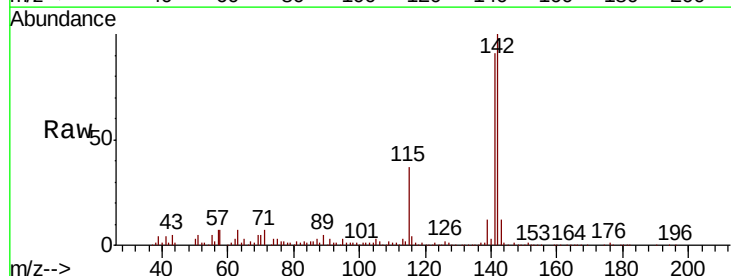


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

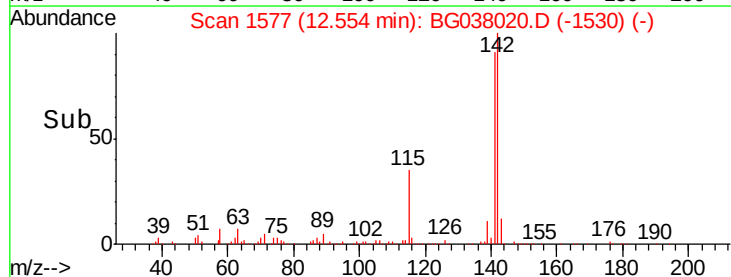
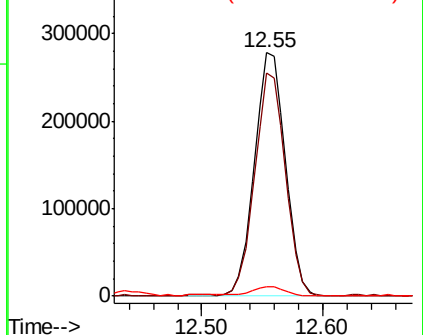


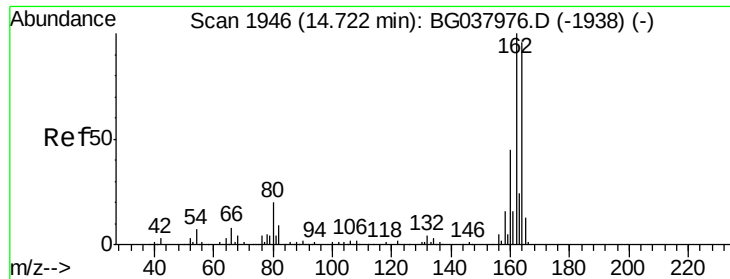
#38
1-Methylnaphthalene
Concen: 66.567 ng
RT: 12.55 min Scan# 1577
Delta R.T. -0.22 min
Lab File: BG038020.D
Acq: 15 Nov 2018 16:18

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.4	75.2	112.8
116	3.7	3.3	4.9



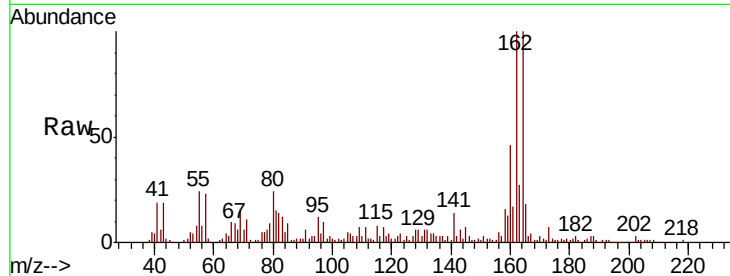
Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E



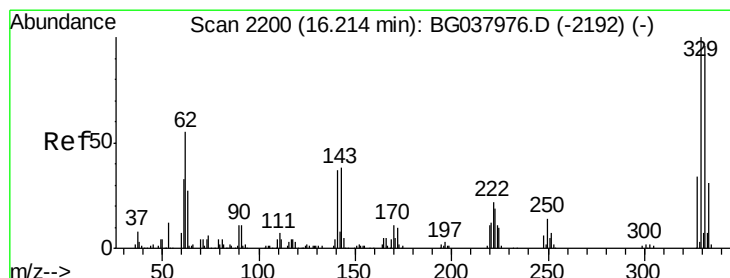
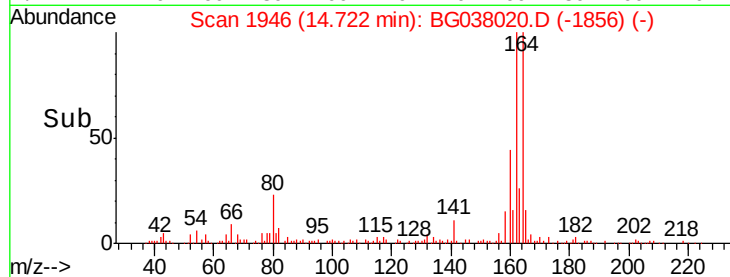
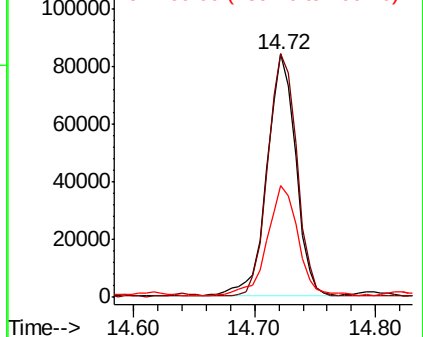


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.72 min Scan# 1946
Delta R.T. 0.00 min
Lab File: BG038020.D
Acq: 15 Nov 2018 16:18

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.8	81.3	121.9
160	45.8	36.3	54.5

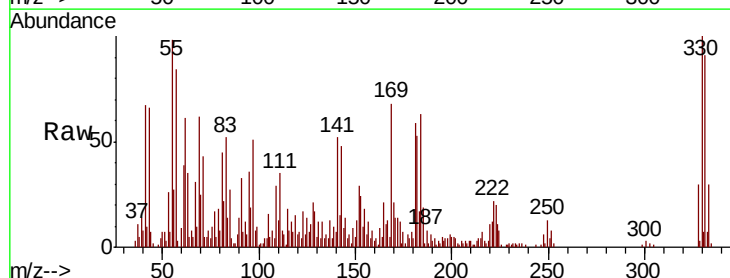


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

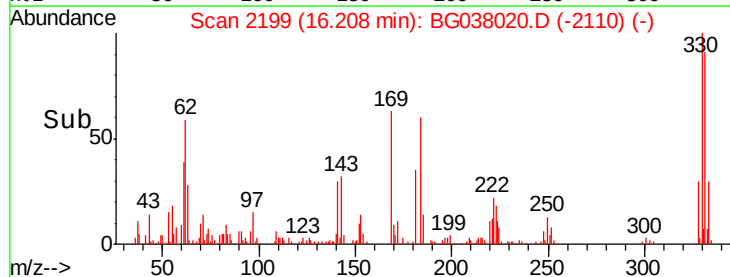
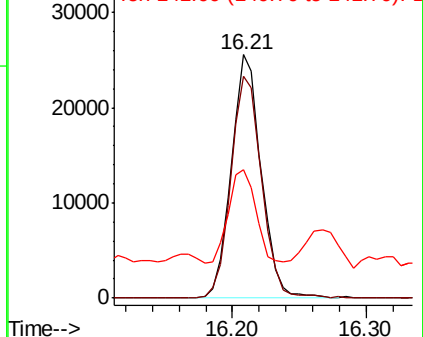


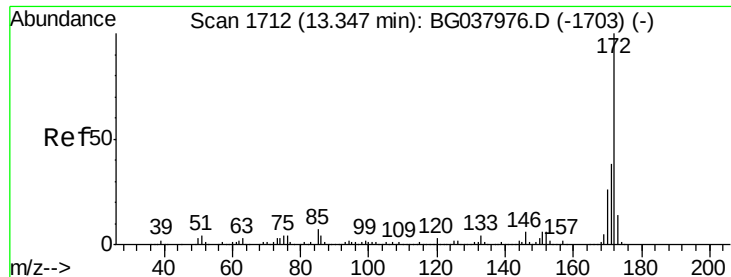
#42
2,4,6-Tribromophenol
Concen: 25.209 ng
RT: 16.21 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BG038020.D
Acq: 15 Nov 2018 16:18

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.9	78.4	117.6
141	36.7	32.2	48.2



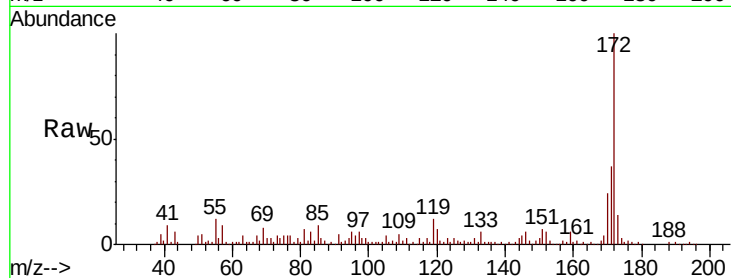
Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



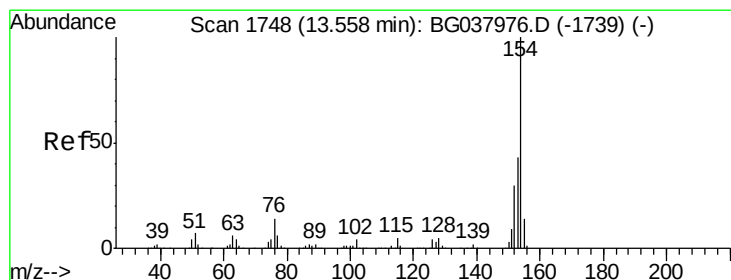
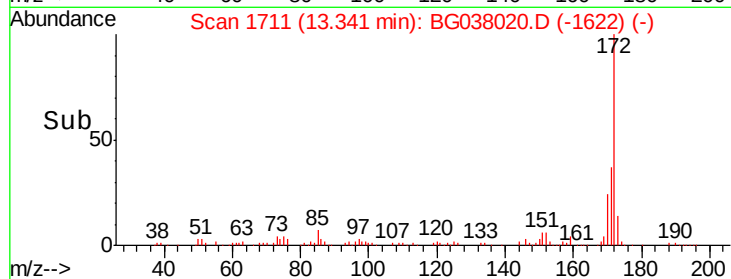
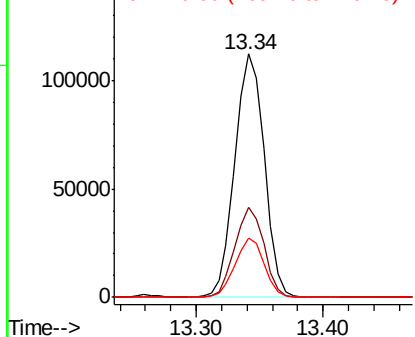


#45
2-Fluorobiphenyl
Concen: 19.058 ng
RT: 13.34 min Scan# 1711
Delta R.T. -0.01 min
Lab File: BG038020.D
Acq: 15 Nov 2018 16:18

Tot Ion:	172	Resp:	180798
Ion	Ratio	Lower	Upper
172	100		
171	37.0	31.0	46.4
170	24.3	20.2	30.2

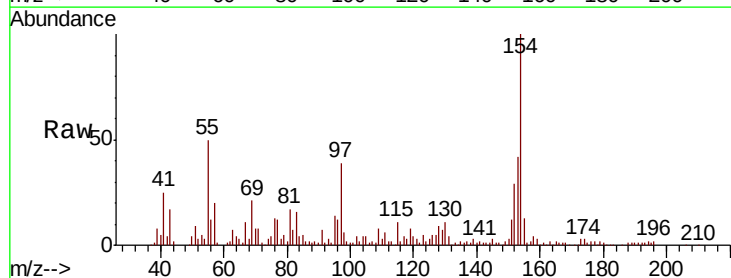


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

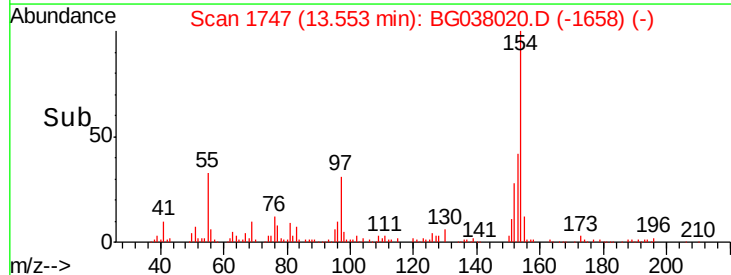
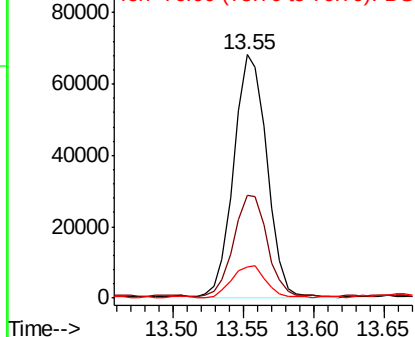


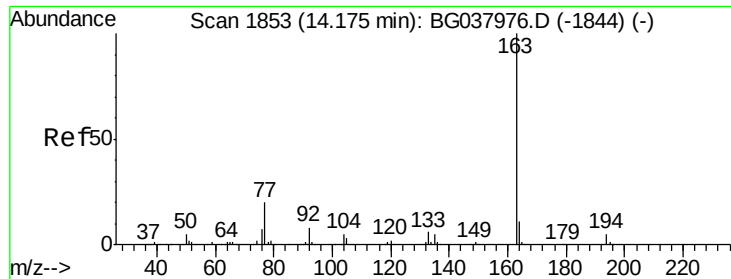
#46
1,1'-Biphenyl
Concen: 9.563 ng
RT: 13.55 min Scan# 1747
Delta R.T. -0.01 min
Lab File: BG038020.D
Acq: 15 Nov 2018 16:18

Tgt Ion:	154	Resp:	111028
Ion	Ratio	Lower	Upper
154	100		
153	42.3	22.1	62.1
76	12.9	0.0	33.2



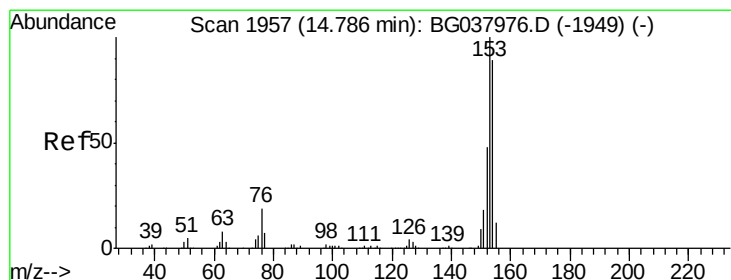
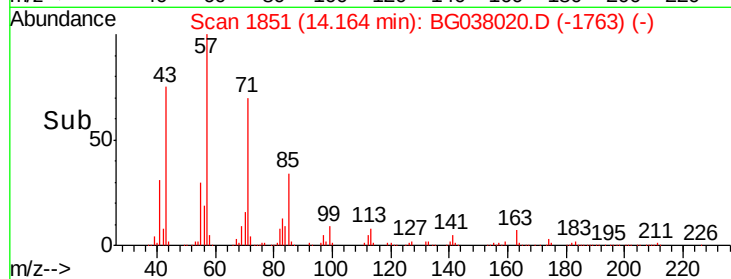
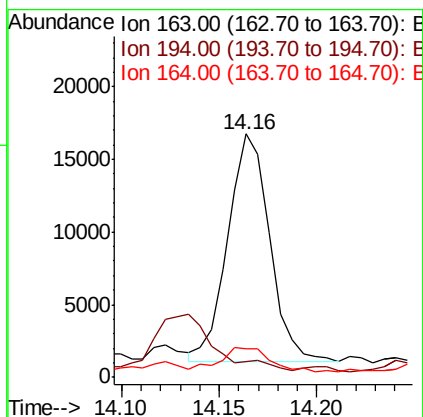
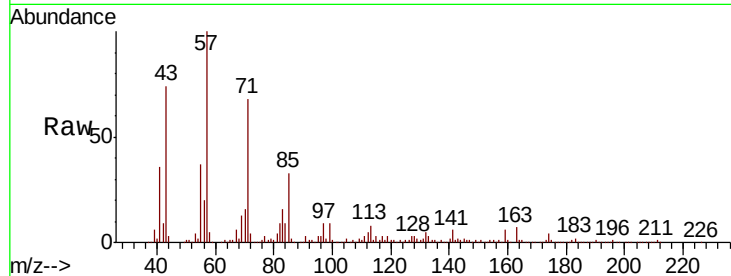
Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BG





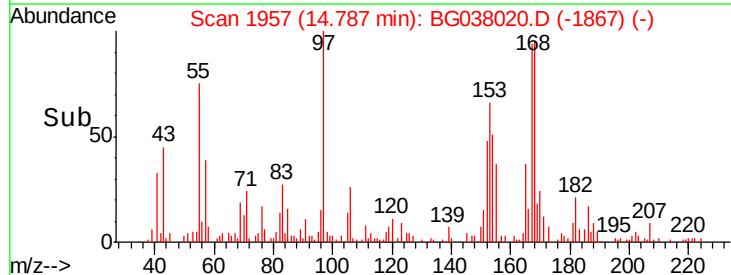
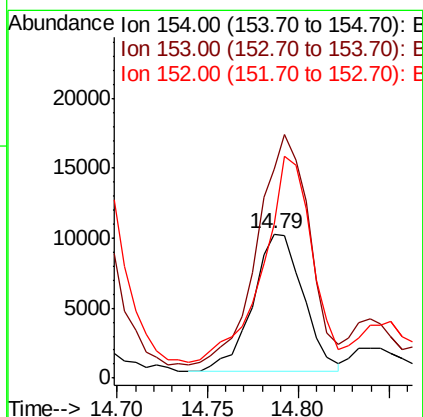
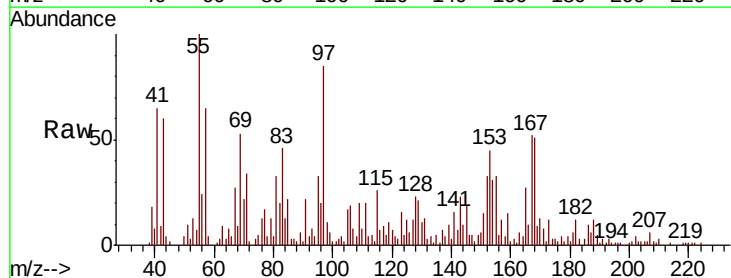
#50
Dimethylphthalate
Concen: 2.129 ng
RT: 14.16 min Scan# 1851
Delta R.T. -0.01 min
Lab File: BG038020.D
Acq: 15 Nov 2018 16:18

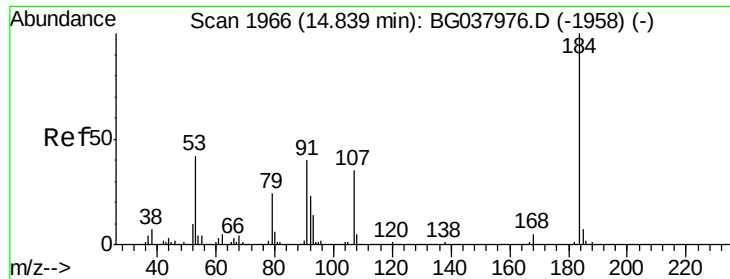
Tot Ion:163 Resp: 23329
Ion Ratio Lower Upper
163 100
194 6.3 3.5 5.3#
164 11.8 8.5 12.7



#52
Acenaphthene
Concen: 2.364 ng
RT: 14.79 min Scan# 1957
Delta R.T. 0.00 min
Lab File: BG038020.D
Acq: 15 Nov 2018 16:18

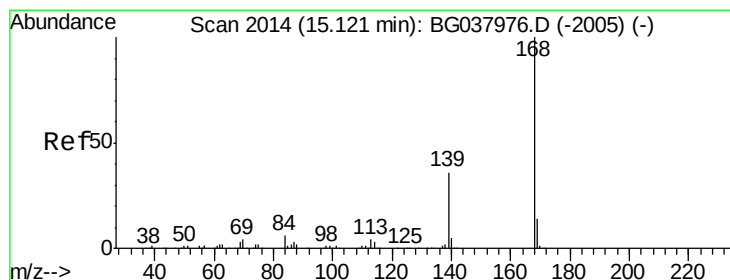
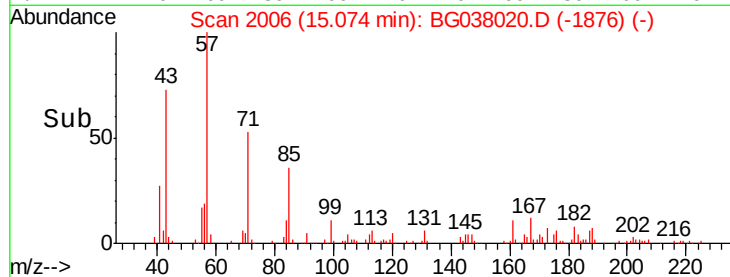
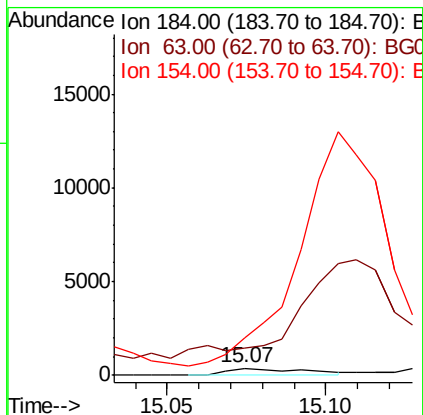
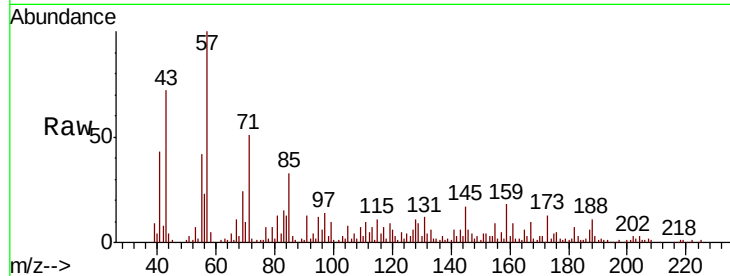
Tgt Ion:154 Resp: 18965
Ion Ratio Lower Upper
154 100
153 145.6 93.4 140.0#
152 107.2 44.7 67.1#





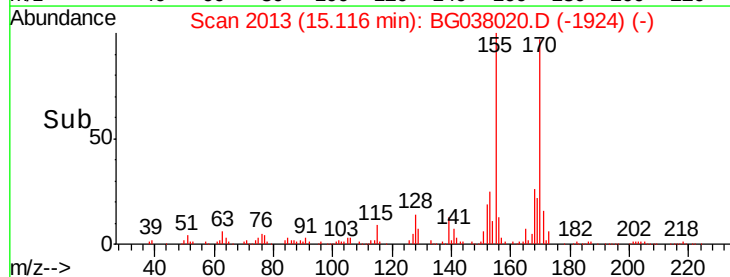
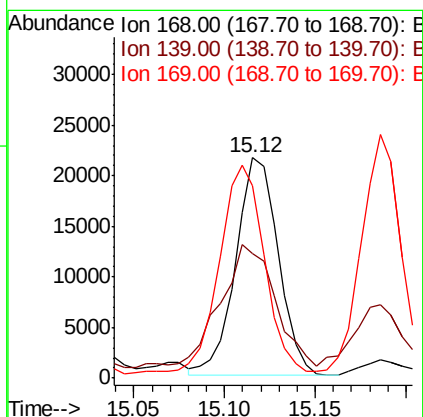
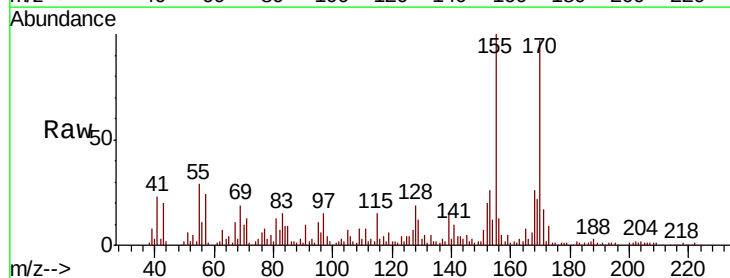
#54
2,4-Dinitrophenol
Concen: 9.694 ng
RT: 15.07 min Scan# 2006
Delta R.T. 0.24 min
Lab File: BG038020.D
Acq: 15 Nov 2018 16:18

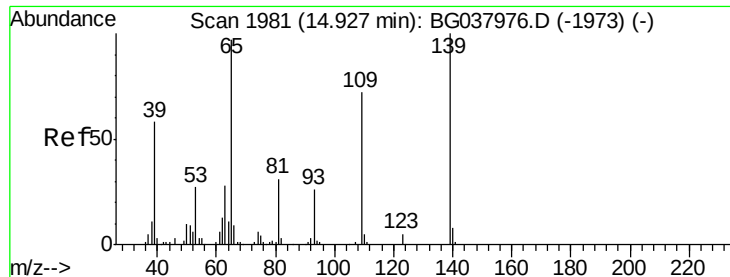
Tot Ion:184 Resp: 621
Ion Ratio Lower Upper
184 100
63 393.3 42.6 63.8#
154 533.2 41.8 62.6#



#55
Dibenzofuran
Concen: 2.653 ng
RT: 15.12 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BG038020.D
Acq: 15 Nov 2018 16:18

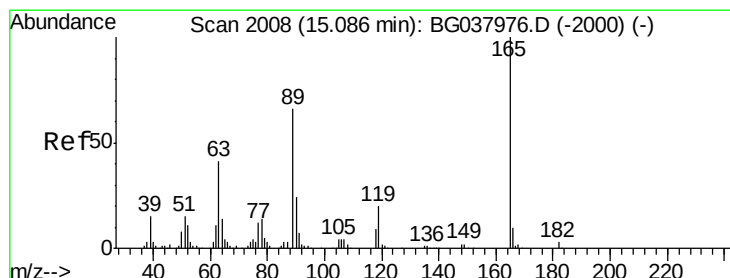
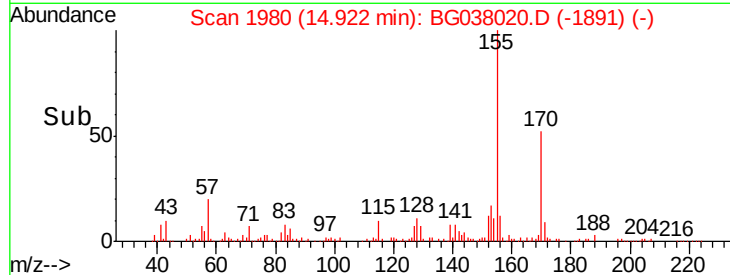
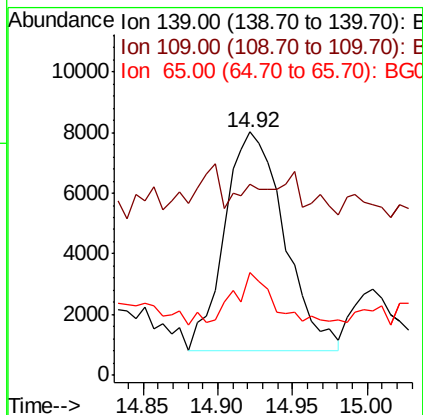
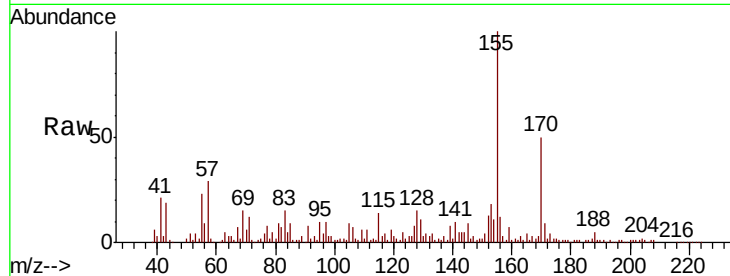
Tgt Ion:168 Resp: 35184
Ion Ratio Lower Upper
168 100
139 56.3 29.4 44.0#
169 87.1 11.0 16.6#





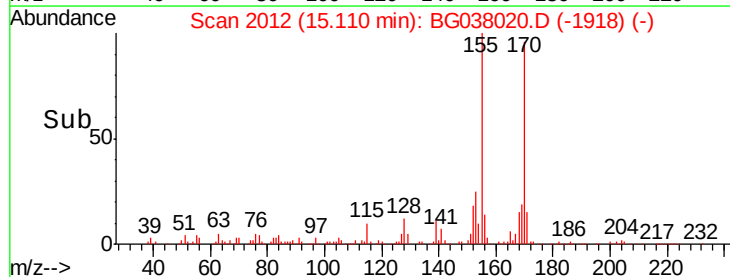
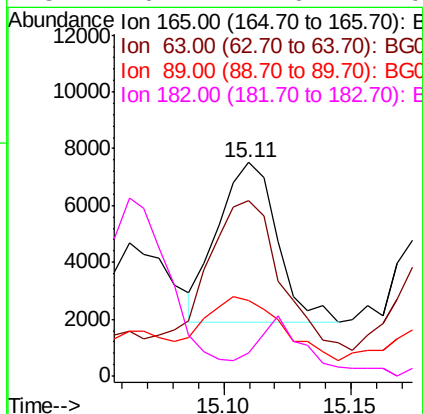
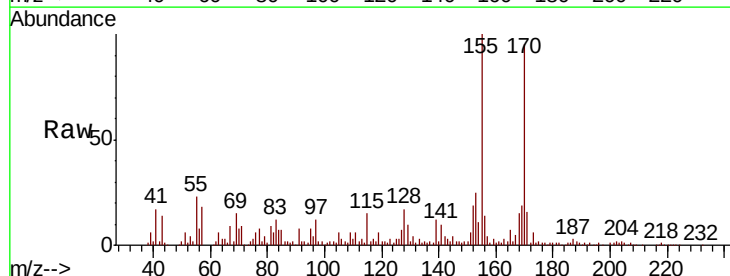
#56
4-Nitrophenol
Concen: 9.524 ng
RT: 14.92 min Scan# 1980
Delta R.T. -0.01 min
Lab File: BG038020.D
Acq: 15 Nov 2018 16:18

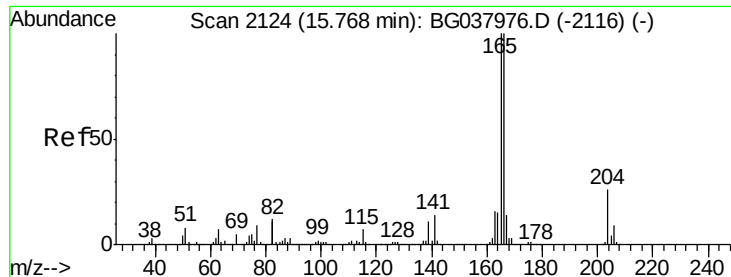
Tot Ion:139 Resp: 20099
Ion Ratio Lower Upper
139 100
109 78.3 49.5 89.5
65 42.5 76.8 116.8#



#57
2,4-Dinitrotoluene
Concen: 2.706 ng
RT: 15.11 min Scan# 2012
Delta R.T. 0.02 min
Lab File: BG038020.D
Acq: 15 Nov 2018 16:18

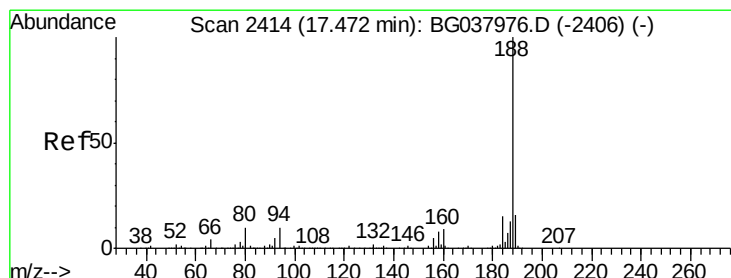
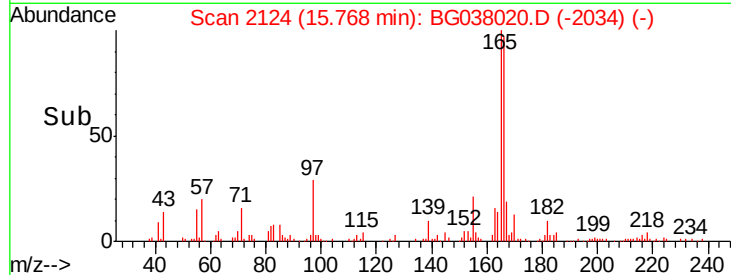
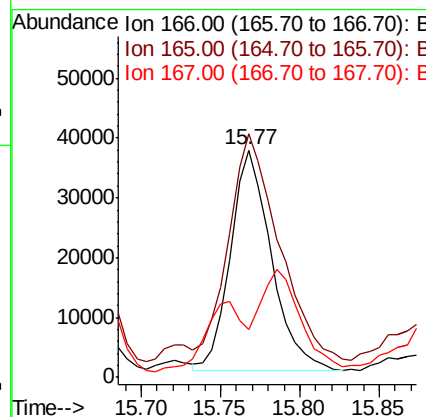
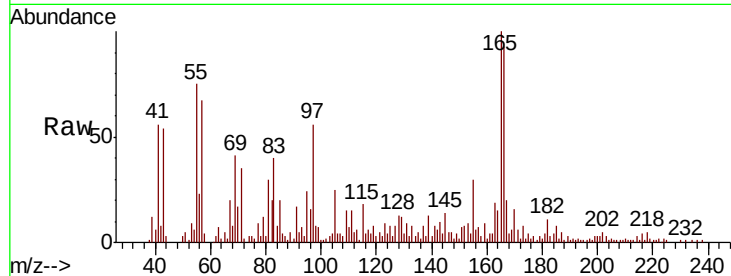
Tgt Ion:165 Resp: 9129
Ion Ratio Lower Upper
165 100
63 82.1 33.4 50.0#
89 35.6 57.2 85.8#
182 10.7 2.6 4.0#





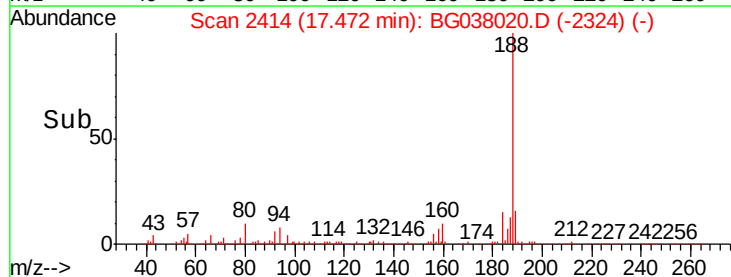
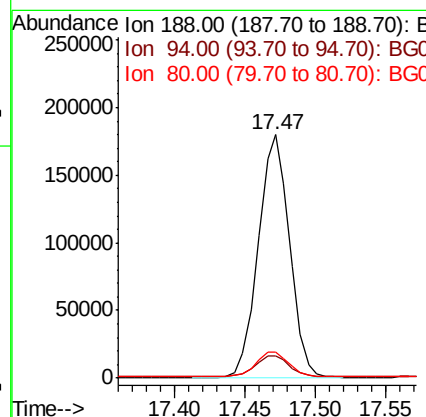
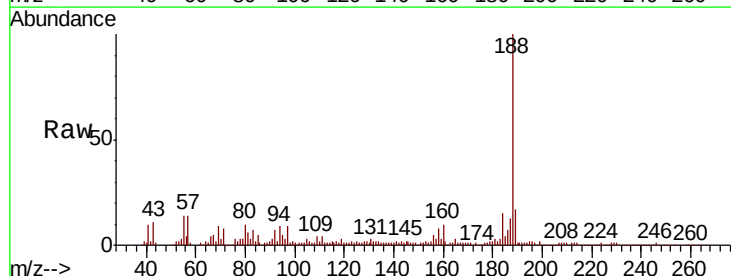
#58
 Fluorene
 Concen: 6.676 ng
 RT: 15.77 min Scan# 2124
 Delta R.T. 0.00 min
 Lab File: BG038020.D
 Acq: 15 Nov 2018 16:18

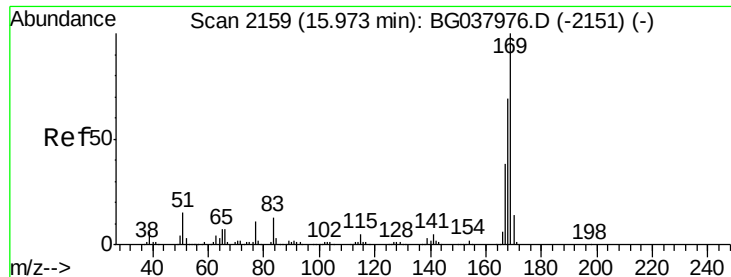
Tot Ion	Ratio	Lower	Upper
166	100		
165	107.0	79.0	118.6
167	21.3	11.3	16.9#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.47 min Scan# 2414
 Delta R.T. 0.00 min
 Lab File: BG038020.D
 Acq: 15 Nov 2018 16:18

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.2	10.8
80	10.5	7.7	11.5





#66

n-Nitrosodiphenylamine

Concen: 7.195 ng

RT: 15.97 min Scan# 2158

Delta R.T. -0.01 min

Lab File: BG038020.D

Acq: 15 Nov 2018 16:18

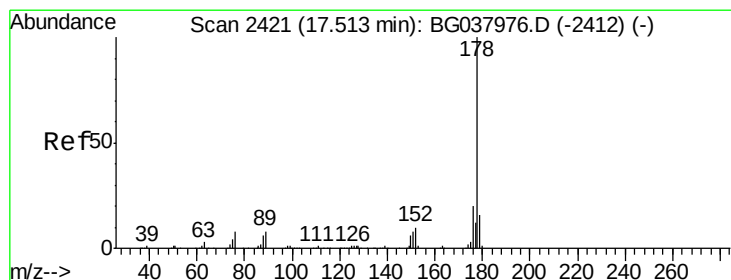
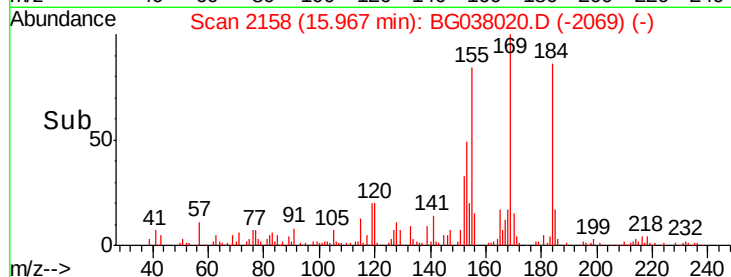
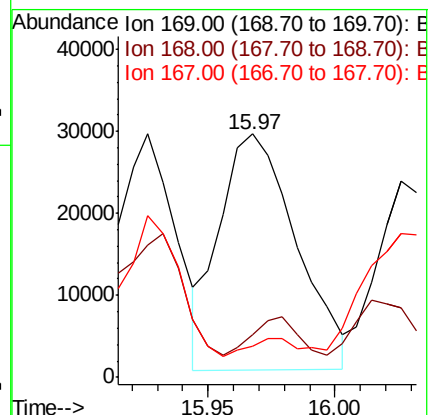
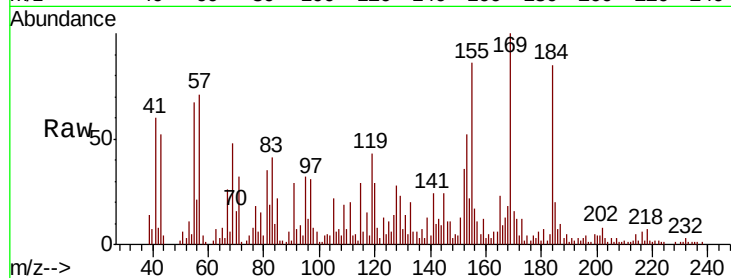
Tot Ion:169 Resp: 60670

Ion Ratio Lower Upper

169 100

168 17.7 55.7 83.5#

167 12.7 31.3 46.9#



#71

Phenanthrene

Concen: 13.608 ng

RT: 17.51 min Scan# 2421

Delta R.T. 0.00 min

Lab File: BG038020.D

Acq: 15 Nov 2018 16:18

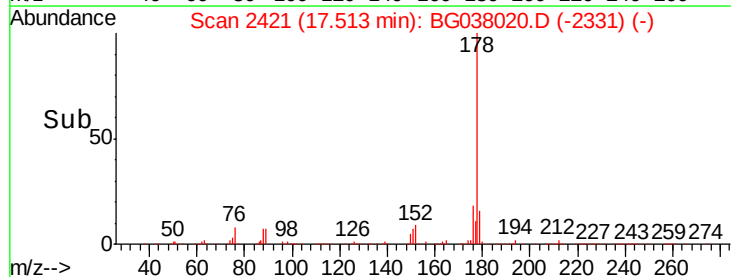
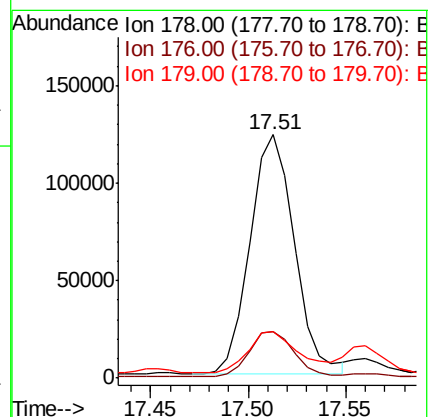
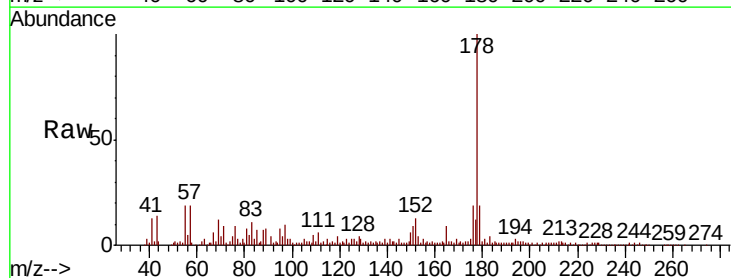
Tgt Ion:178 Resp: 194197

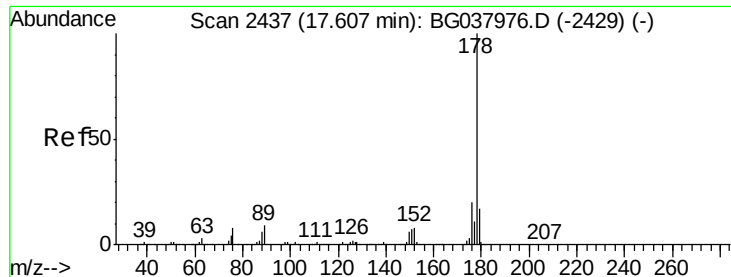
Ion Ratio Lower Upper

178 100

176 18.9 16.1 24.1

179 19.0 13.0 19.4





#72

Anthracene

Concen: 13.805 ng

RT: 17.51 min Scan# 2421

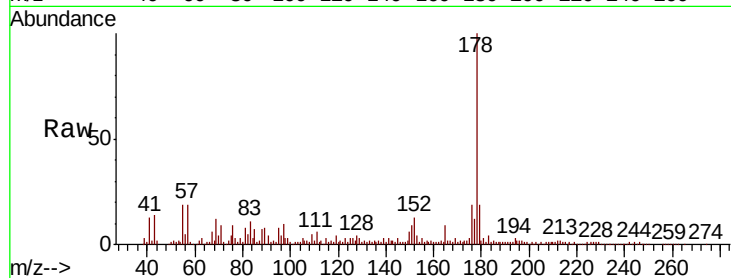
Delta R.T. -0.09 min

Lab File: BG038020.D

Acq: 15 Nov 2018 16:18

Tot Ion:178 Resp: 194197

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	19.0	12.8	19.2

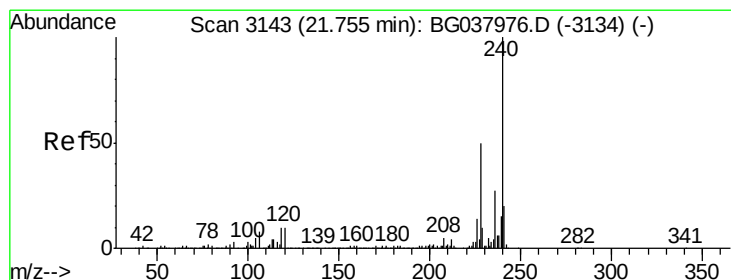
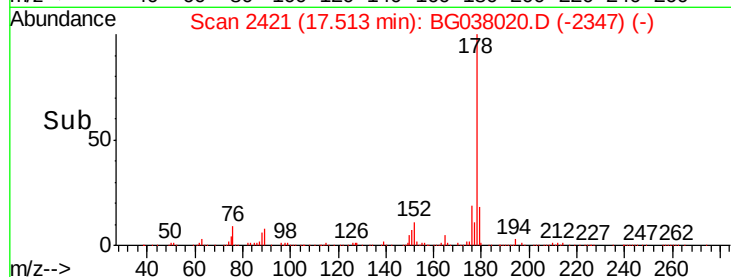
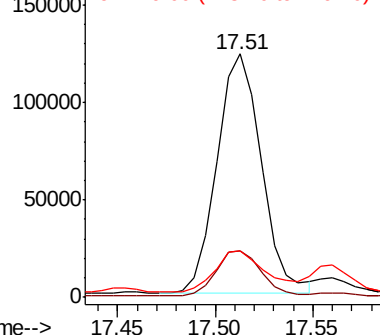


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.75 min Scan# 3142

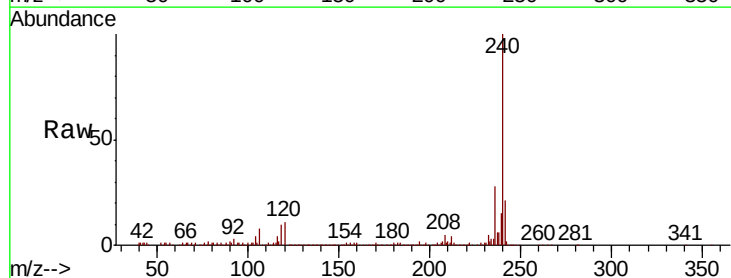
Delta R.T. -0.01 min

Lab File: BG038020.D

Acq: 15 Nov 2018 16:18

Tgt Ion:240 Resp: 289912

Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.1	12.1
236	27.6	21.4	32.0

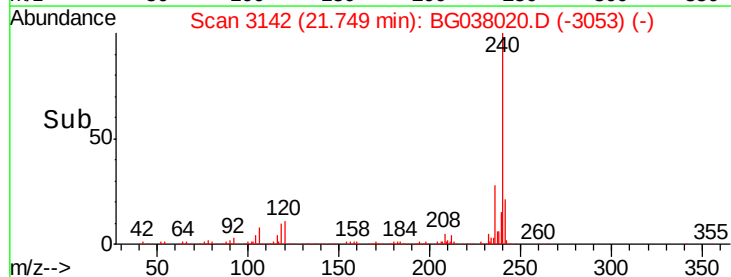
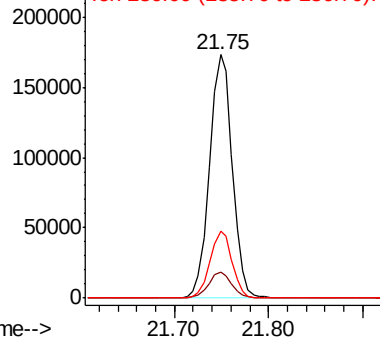


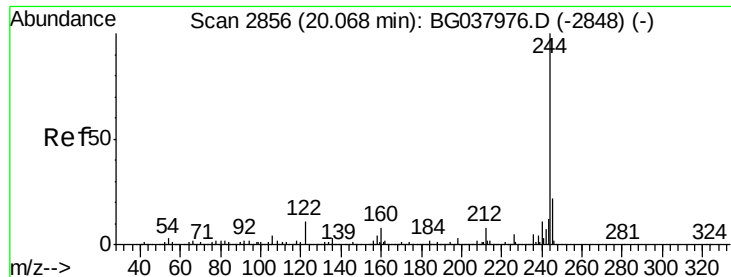
Abundance

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





#79

Terphenyl-d14

Concen: 19.556 ng

RT: 20.07 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BG038020.D

Acq: 15 Nov 2018 16:18

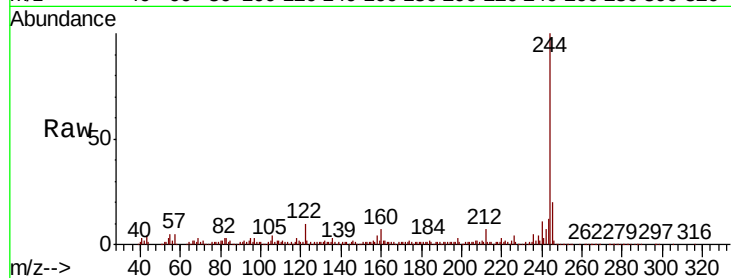
Tot Ion:244 Resp: 240946

Ion Ratio Lower Upper

244 100

212 7.1 6.5 9.7

122 10.1 9.0 13.4

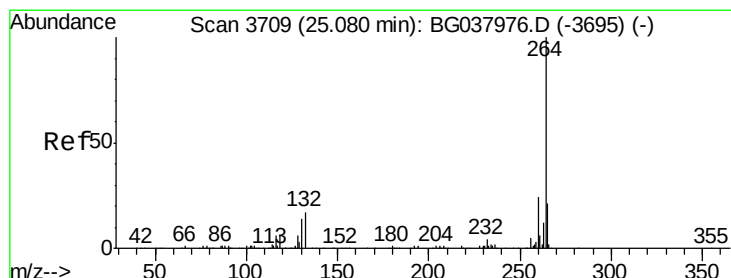
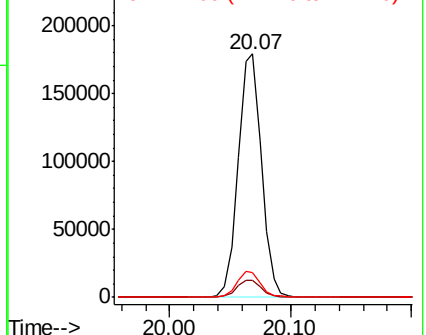
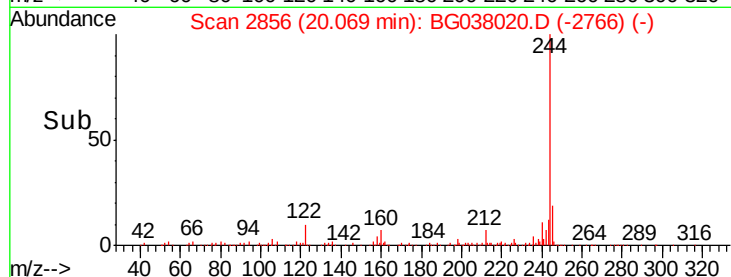


Abundance

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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.07 min Scan# 3707

Delta R.T. -0.01 min

Lab File: BG038020.D

Acq: 15 Nov 2018 16:18

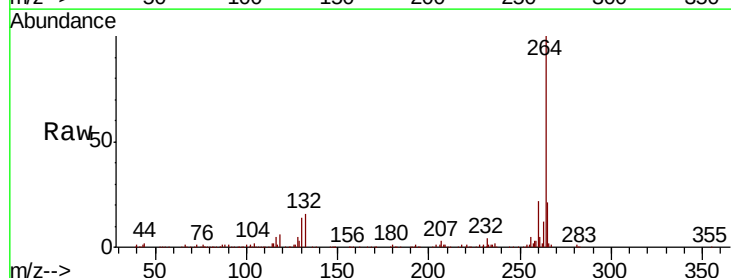
Tgt Ion:264 Resp: 321652

Ion Ratio Lower Upper

264 100

260 22.2 18.2 27.4

265 20.6 17.9 26.9



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

