

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020720\
 Data File : BG044354.D
 Acq On : 8 Feb 2020 3:27
 Operator : CG/JU
 Sample : L1390-01DL 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Feb 08 04:18:11 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 30 16:05:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	85560	20.00	ng	0.00
21) Naphthalene-d8	10.71	136	348915	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	227395	20.00	ng	0.00
64) Phenanthrene-d10	17.29	188	471936	20.00	ng	0.00
76) Chrysene-d12	21.53	240	494063	20.00	ng	-0.01
87) Perylene-d12	24.62	264	523559	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	55149	11.38	ng	0.00
7) Phenol-d6	7.08	99	80628	12.38	ng	0.00
23) Nitrobenzene-d5	9.06	82	67907	10.99	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	18144	6.80	ng	0.00
45) 2-Fluorobiphenyl	13.17	172	142717	10.51	ng	0.00
79) Terphenyl-d14	19.90	244	238703	9.94	ng	-0.01

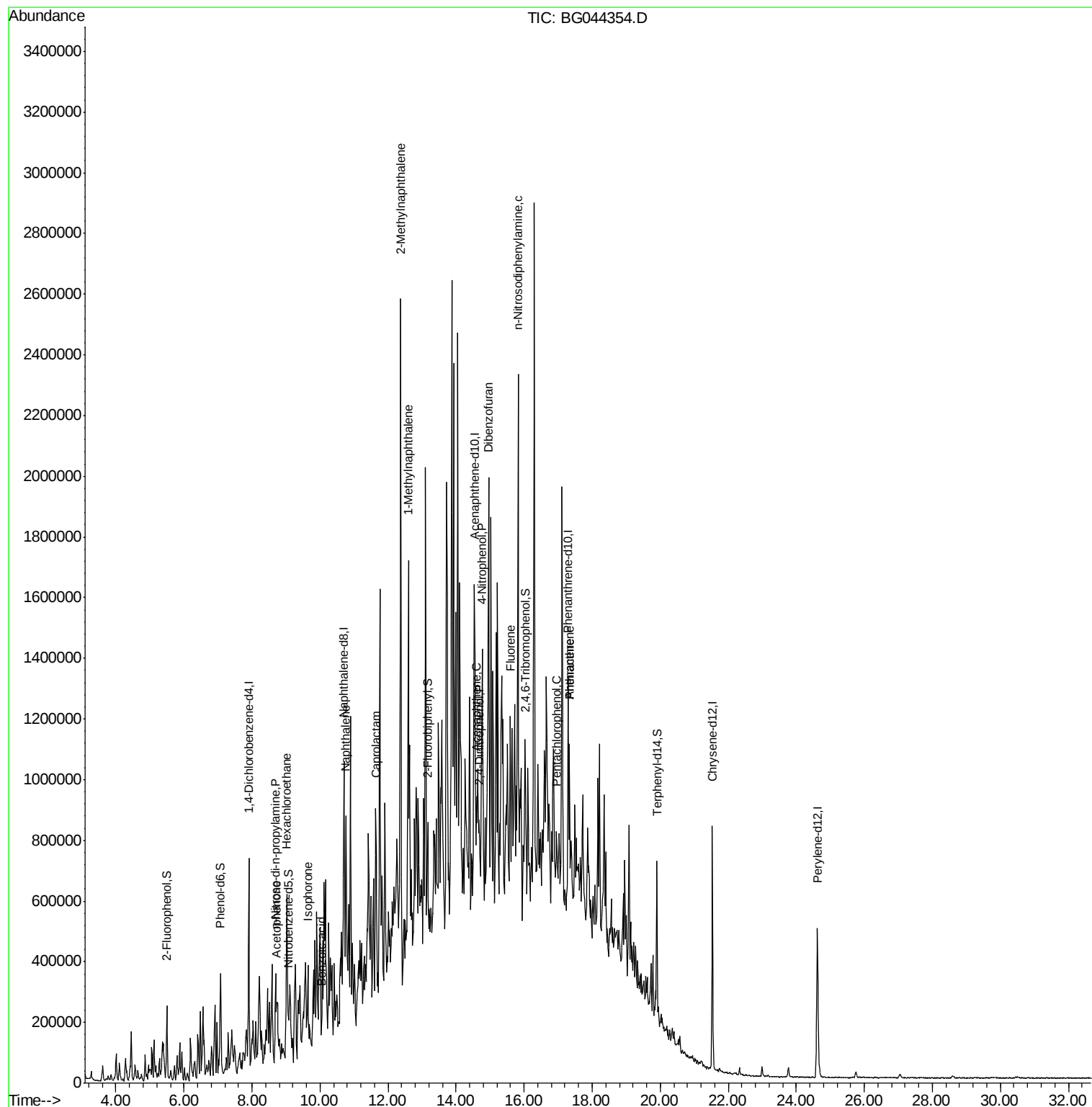
Target Compounds

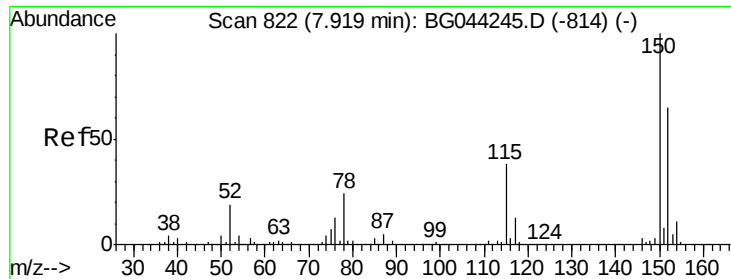
						Qvalue
18) Hexachloroethane	9.02	117	42936	18.160	ng	# 1
19) n-Nitroso-di-n-propylamine	8.69	70	12292	2.833	ng	# 68
22) Acetophenone	8.72	105	114770	13.521	ng	# 58
25) Isophorone	9.64	82	31590	2.742	ng	# 1
31) Naphthalene	10.76	128	363693	21.484	ng	97
32) Benzoic acid	10.04	122	165	14.211	ng	# 4
35) Caprolactam	11.65	113	8308	4.244	ng	# 1
37) 2-Methylnaphthalene	12.38	142	998846	79.470	ng	99
38) 1-Methylnaphthalene	12.59	142	607597	51.275	ng	100
52) Acenaphthene	14.61	154	41927	3.379	ng	# 85
54) 2,4-Dinitrophenol	14.67	184	540	7.851	ng	# 1
55) Dibenzofuran	14.94	168	66534	3.541	ng	# 1
56) 4-Nitrophenol	14.76	139	41721	14.126	ng	# 58
58) Fluorene	15.60	166	114634	7.747	ng	# 80
66) n-Nitrosodiphenylamine	15.81	169	157991	11.946	ng	# 44
70) Pentachlorophenol	16.96	266	77	3.168	ng	# 42
71) Phenanthrene	17.33	178	318892	13.954	ng	97
72) Anthracene	17.33	178	318892	14.114	ng	99

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

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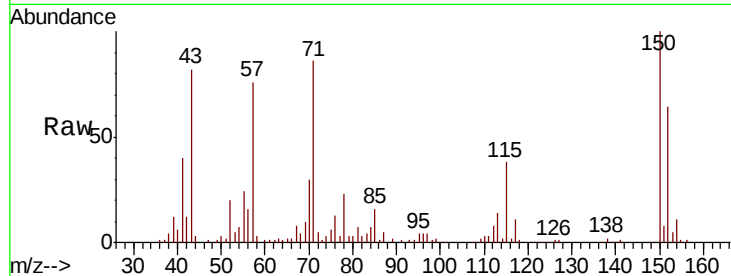




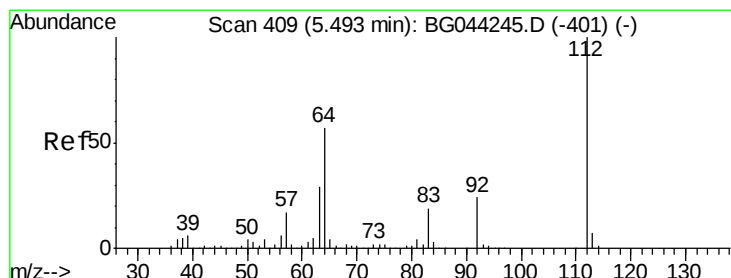
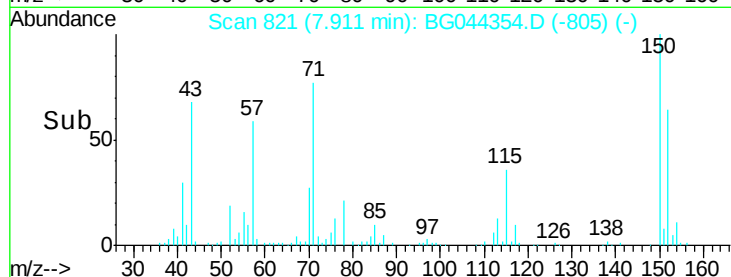
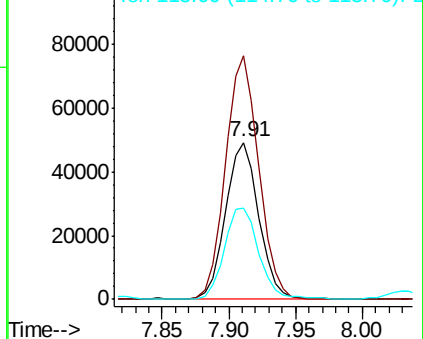
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.91 min Scan# 821
Delta R.T. -0.01 min
Lab File: BG044354.D
Acq: 8 Feb 2020 3:27

Tot Ion:152 Resp: 85560
Ion Ratio Lower Upper
152 100
150 155.3 122.6 183.8
115 58.3 46.0 69.0



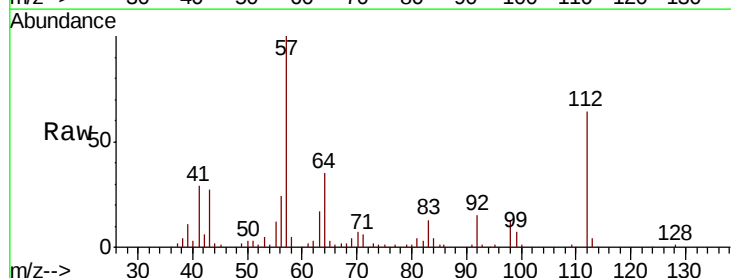
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



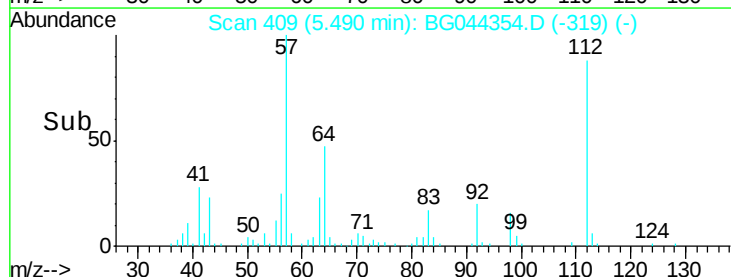
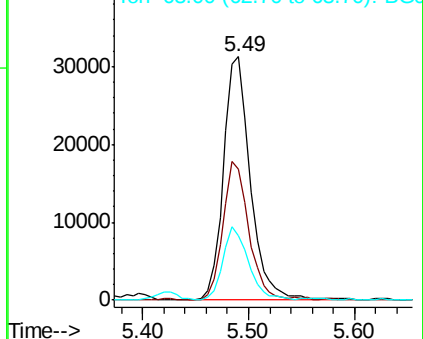
#5

2-Fluorophenol
Concen: 11.376 ng
RT: 5.49 min Scan# 409
Delta R.T. -0.00 min
Lab File: BG044354.D
Acq: 8 Feb 2020 3:27

Tgt Ion:112 Resp: 55149
Ion Ratio Lower Upper
112 100
64 54.0 45.4 68.2
63 26.4 22.9 34.3



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: 12.385 ng

RT: 7.08 min Scan# 679

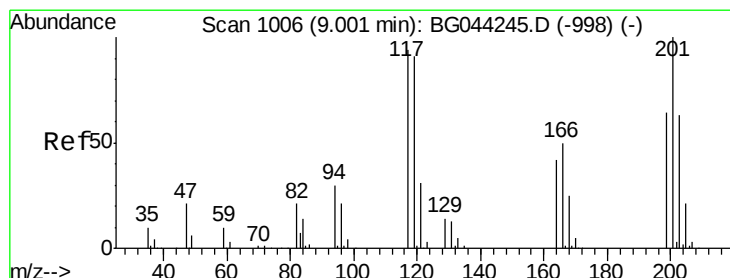
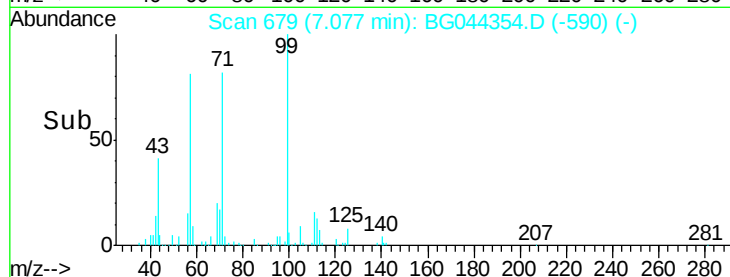
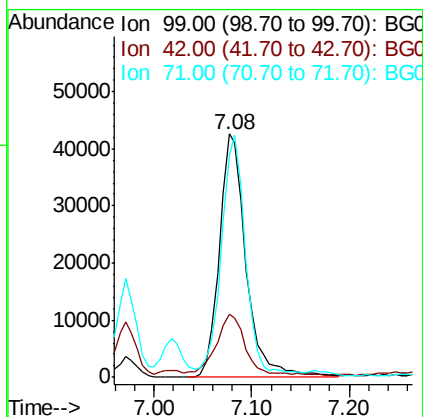
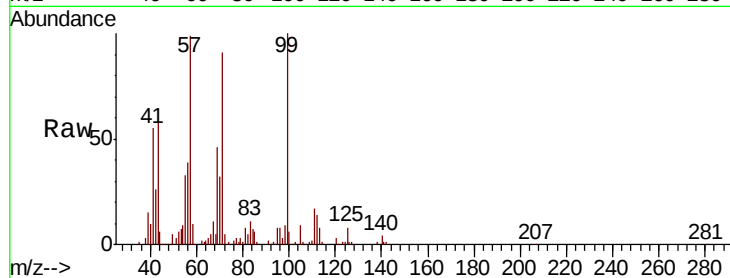
Delta R.T. -0.01 min

Lab File: BG044354.D

Acq: 8 Feb 2020 3:27

Tot Ion: 99 Resp: 80628

Ion	Ratio	Lower	Upper
99	100		
42	26.0	13.8	20.6#
71	91.1	25.5	38.3#



#18

Hexachloroethane

Concen: 18.160 ng

RT: 9.02 min Scan# 1010

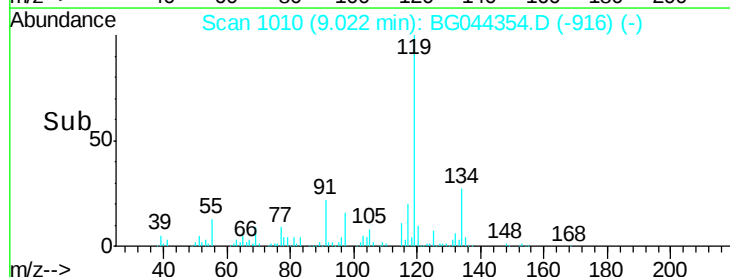
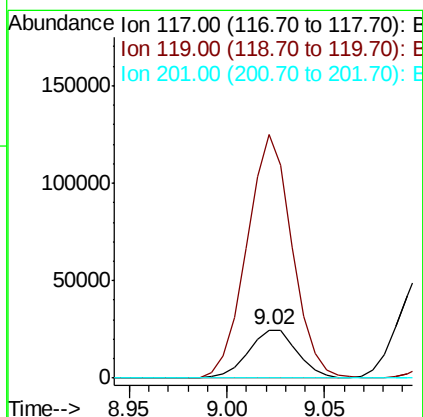
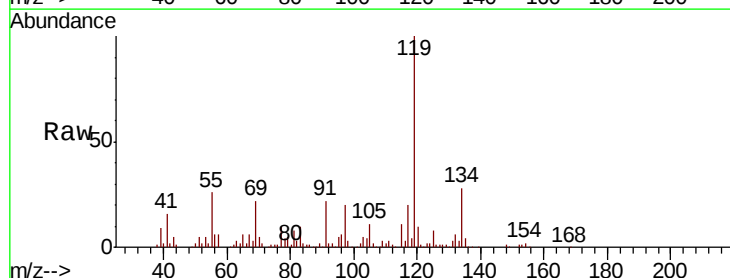
Delta R.T. 0.02 min

Lab File: BG044354.D

Acq: 8 Feb 2020 3:27

Tgt Ion: 117 Resp: 42936

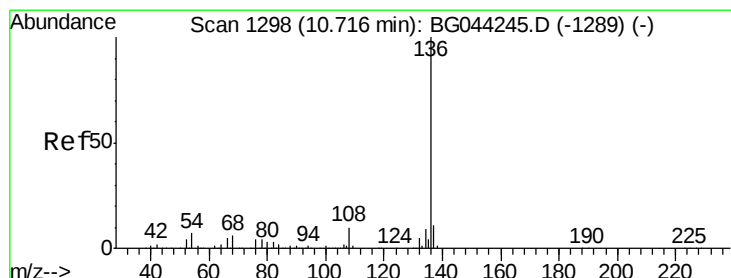
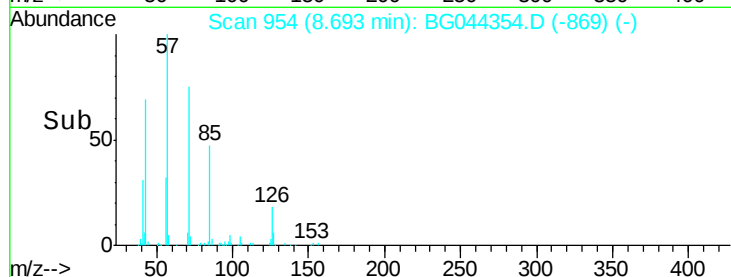
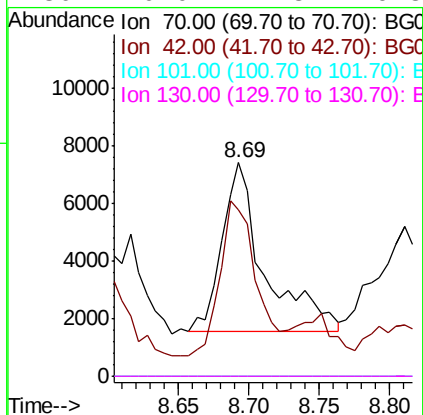
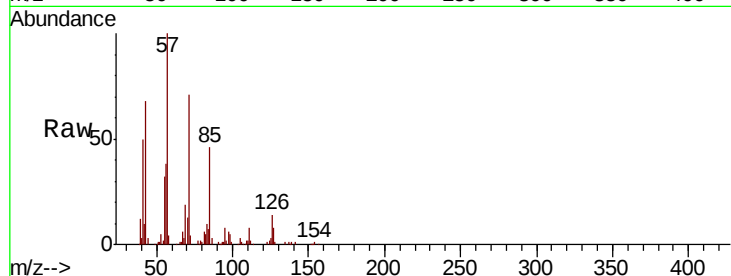
Ion	Ratio	Lower	Upper
117	100		
119	508.1	77.5	116.3#
201	0.0	84.9	127.3#





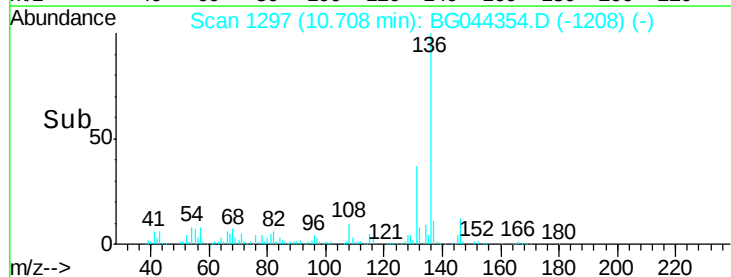
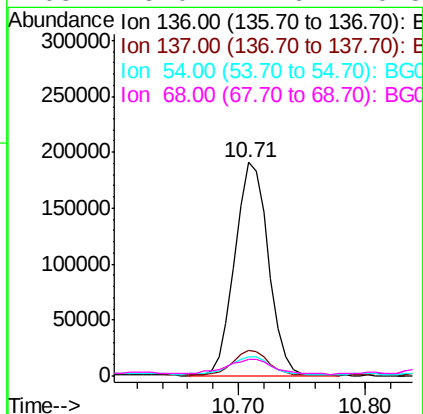
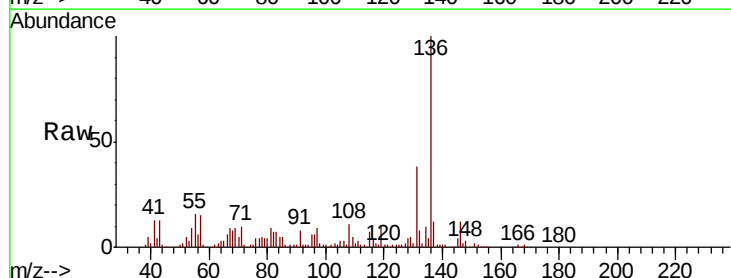
#19
n-Nitroso-di-n-propylamine
Concen: 2.833 ng
RT: 8.69 min Scan# 954
Delta R.T. -0.03 min
Lab File: BG044354.D
Acq: 8 Feb 2020 3:27

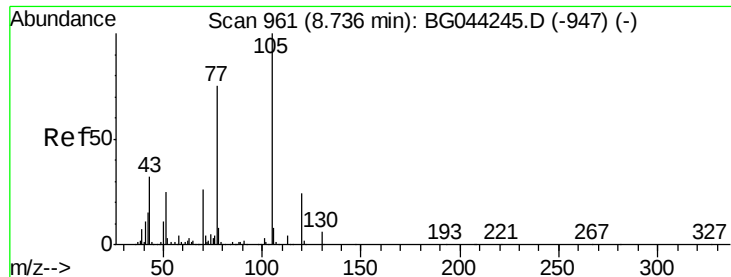
Tot Ion: 70 Resp: 12292
Ion Ratio Lower Upper
70 100
42 78.1 46.2 69.2#
101 0.0 8.4 12.6#
130 0.0 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.71 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BG044354.D
Acq: 8 Feb 2020 3:27

Tgt Ion: 136 Resp: 348915
Ion Ratio Lower Upper
136 100
137 12.0 8.8 13.2
54 9.0 5.8 8.8#
68 8.0 4.6 6.8#





#22

Acetophenone

Concen: 13.521 ng

RT: 8.72 min Scan# 959

Delta R.T. -0.01 min

Lab File: BG044354.D

Acq: 8 Feb 2020 3:27

Tot Ion: 105 Resp: 114770

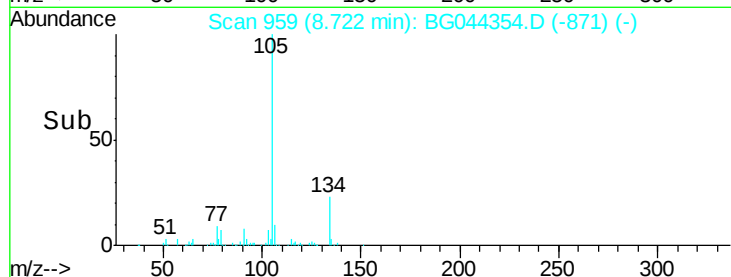
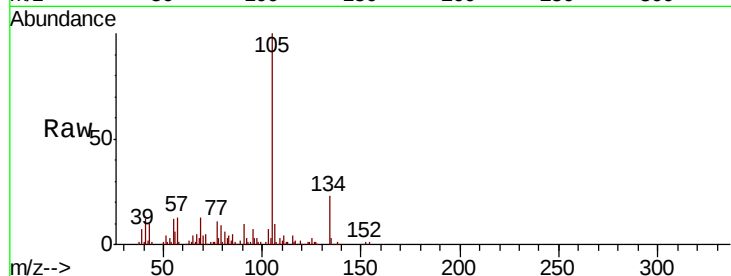
Ion Ratio Lower Upper

105 100

71 5.3 3.4 5.0#

51 4.3 20.2 30.4#

120 0.3 19.1 28.7#

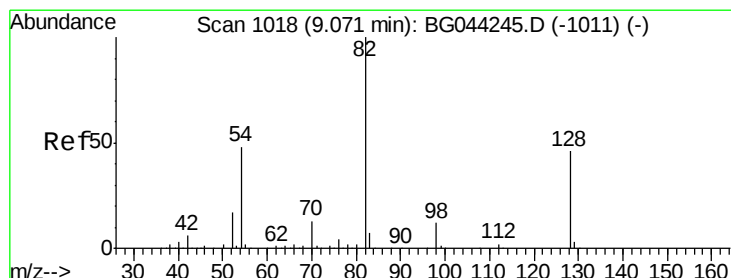
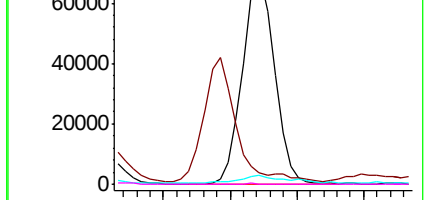


Abundance Ion 105.00 (104.70 to 105.70): E

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: 10.988 ng

RT: 9.06 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BG044354.D

Acq: 8 Feb 2020 3:27

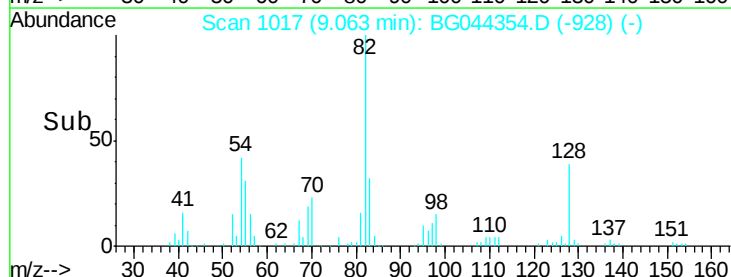
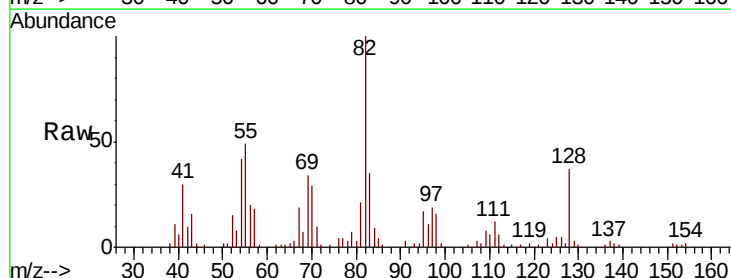
Tgt Ion: 82 Resp: 67907

Ion Ratio Lower Upper

82 100

128 37.0 36.5 54.7

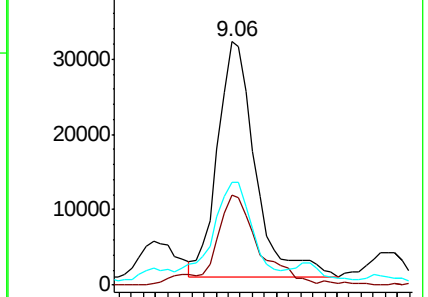
54 42.2 38.6 58.0

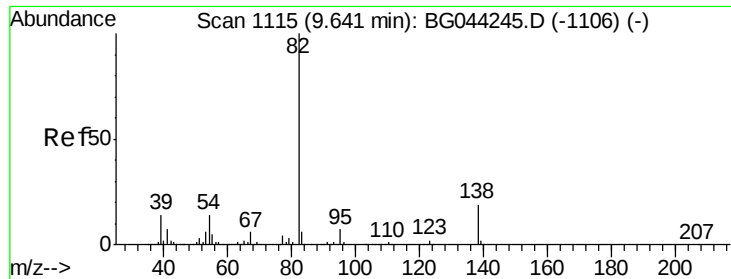


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#25

Isophorone

Concen: 2.742 ng

RT: 9.64 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BG044354.D

Acq: 8 Feb 2020 3:27

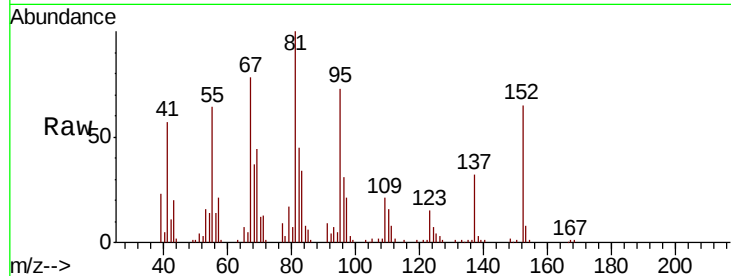
Tot Ion: 82 Resp: 31590

Ion Ratio Lower Upper

82 100

95 160.8 5.7 8.5#

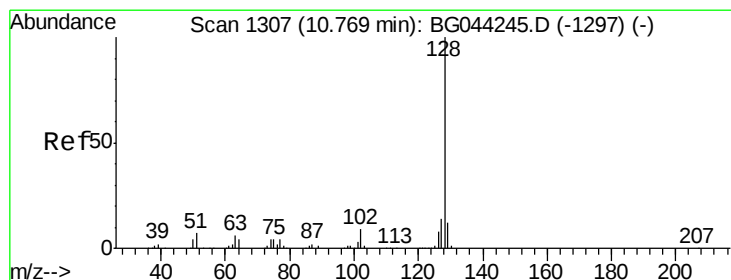
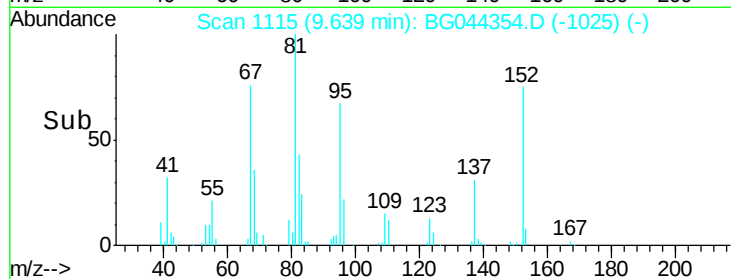
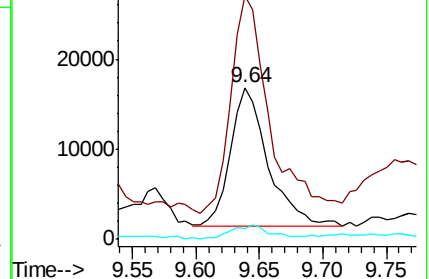
138 6.8 15.0 22.4#



Abundance Ion 82.00 (81.70 to 82.70): BG044245.D (-1106) (-)

Ion 95.00 (94.70 to 95.70): BG044245.D (-1106) (-)

Ion 138.00 (137.70 to 138.70): BG044245.D (-1106) (-)



#31

Naphthalene

Concen: 21.484 ng

RT: 10.76 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BG044354.D

Acq: 8 Feb 2020 3:27

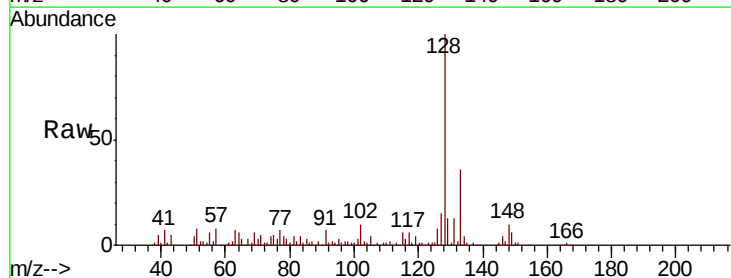
Tgt Ion: 128 Resp: 363693

Ion Ratio Lower Upper

128 100

129 13.3 9.3 13.9

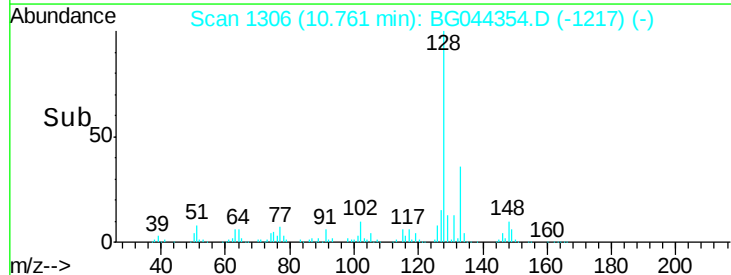
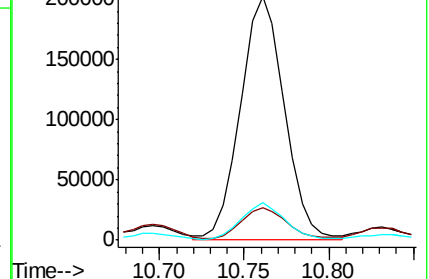
127 15.2 11.6 17.4

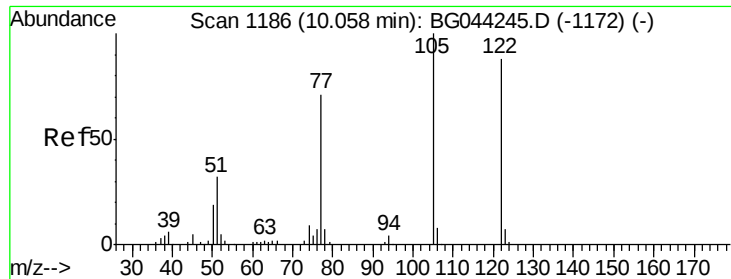


Abundance Ion 128.00 (127.70 to 128.70): BG044245.D (-1297) (-)

Ion 129.00 (128.70 to 129.70): BG044245.D (-1297) (-)

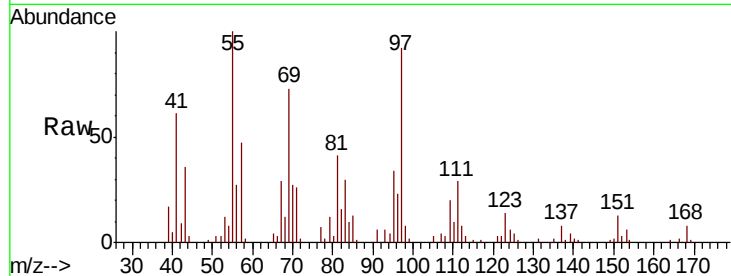
Ion 127.00 (126.70 to 127.70): BG044245.D (-1297) (-)



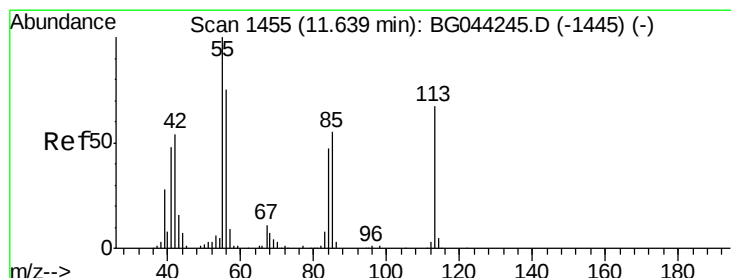
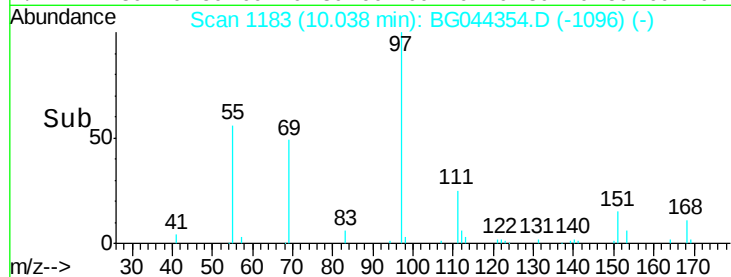
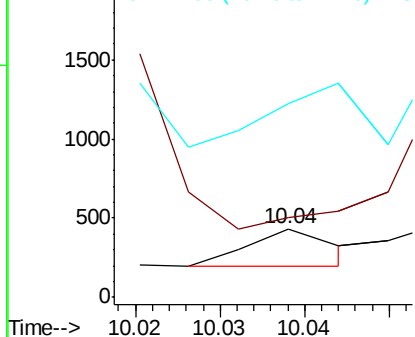


#32
Benzoic acid
Concen: 14.211 ng
RT: 10.04 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BG044354.D
Acq: 8 Feb 2020 3:27

Tot Ion:122 Resp: 165
Ion Ratio Lower Upper
122 100
105 116.8 93.5 133.5
77 282.7 61.0 101.0#

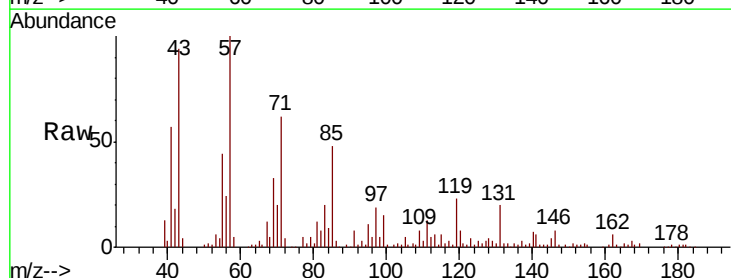


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

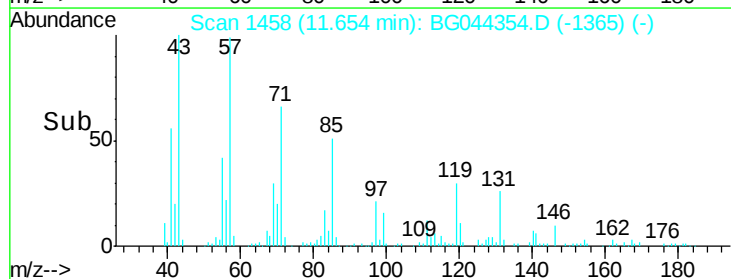
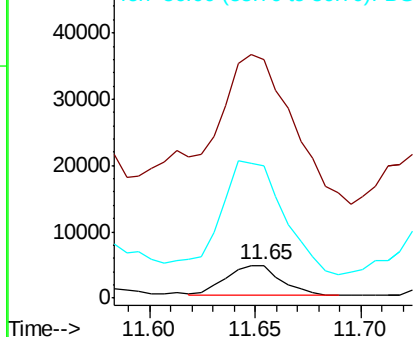


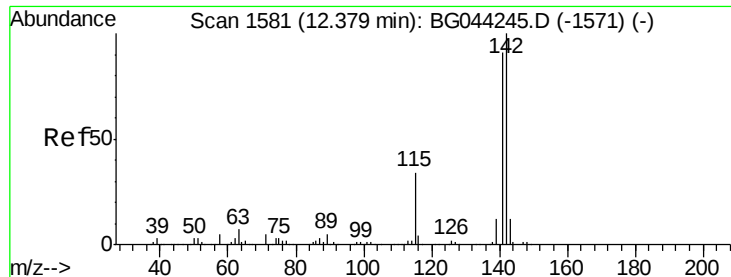
#35
Caprolactam
Concen: 4.244 ng
RT: 11.65 min Scan# 1458
Delta R.T. 0.02 min
Lab File: BG044354.D
Acq: 8 Feb 2020 3:27

Tgt Ion:113 Resp: 8308
Ion Ratio Lower Upper
113 100
55 731.1 129.9 169.9#
56 404.2 92.5 132.5#



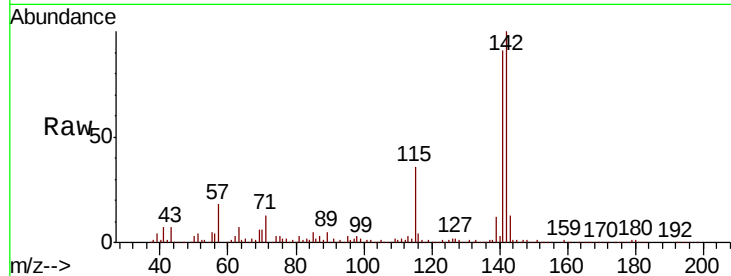
Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BGC
Ion 56.00 (55.70 to 56.70): BGC





#37
2-Methylnaphthalene
Concen: 79.470 ng
RT: 12.38 min Scan# 1581
Delta R.T. -0.00 min
Lab File: BG044354.D
Acq: 8 Feb 2020 3:27

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.2	109.8
115	36.0	27.1	40.7

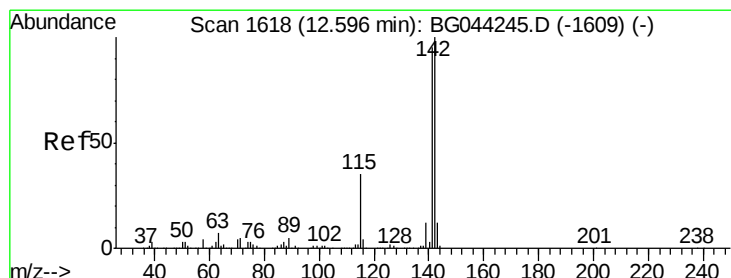
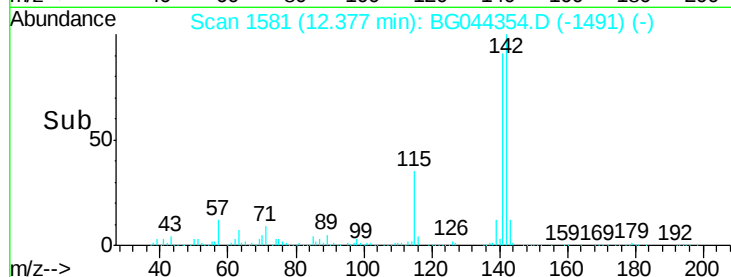
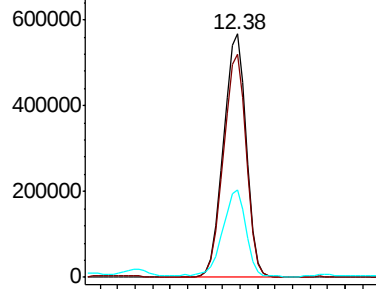


Abundance

Ion 142.00 (141.70 to 142.70): E

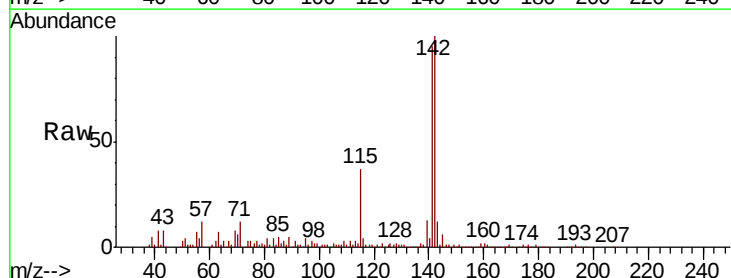
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 51.275 ng
RT: 12.59 min Scan# 1618
Delta R.T. -0.00 min
Lab File: BG044354.D
Acq: 8 Feb 2020 3:27

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.8	75.8	113.6
116	4.1	3.1	4.7

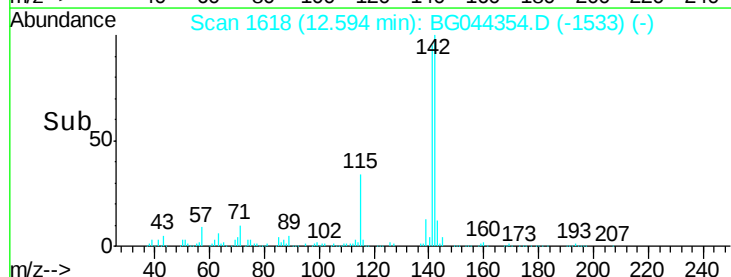
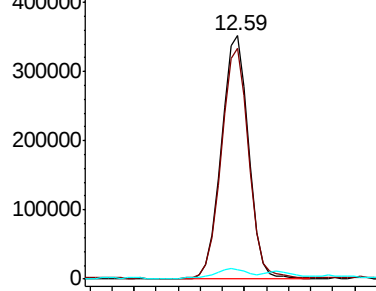


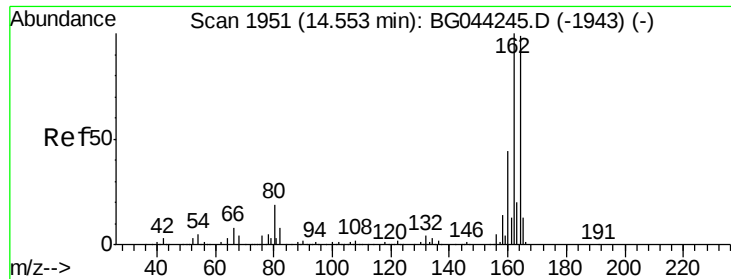
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

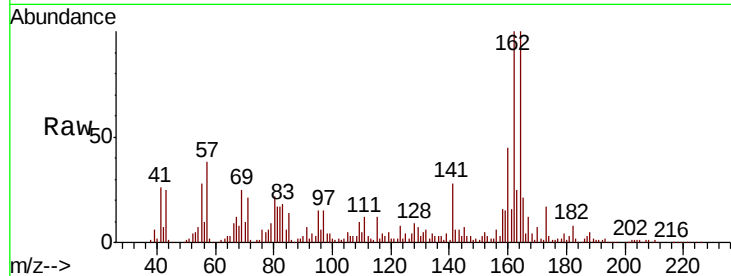
Ion 116.00 (115.70 to 116.70): E



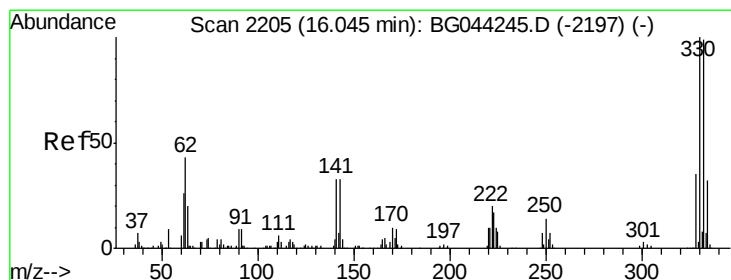
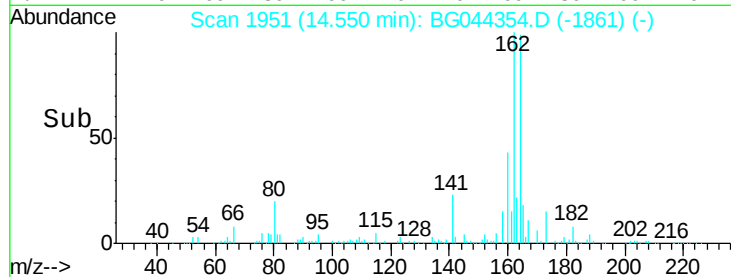
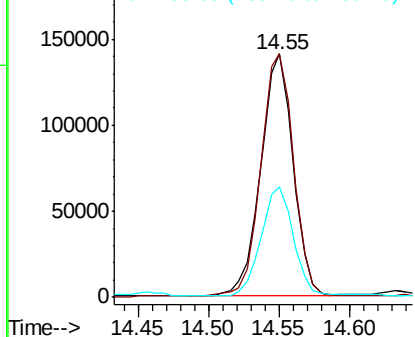


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.55 min Scan# 1951
Delta R.T. -0.00 min
Lab File: BG044354.D
Acq: 8 Feb 2020 3:27

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.0	80.7	121.1
160	45.2	35.3	52.9

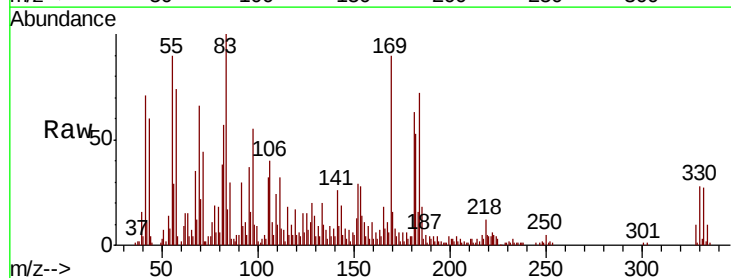


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

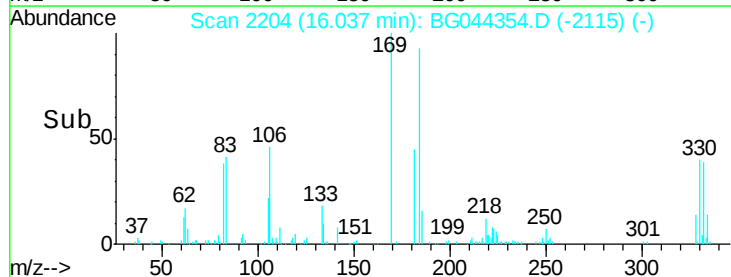
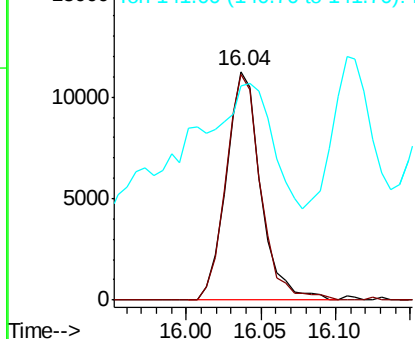


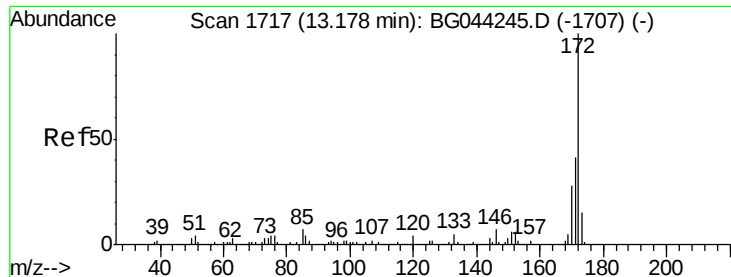
#42
2,4,6-Tribromophenol
Concen: 6.797 ng
RT: 16.04 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BG044354.D
Acq: 8 Feb 2020 3:27

Tgt Ion	Ratio	Lower	Upper
330	100		
332	99.5	77.2	115.8
141	69.9	28.3	42.5



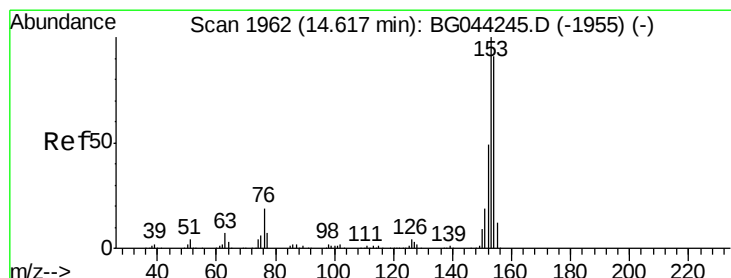
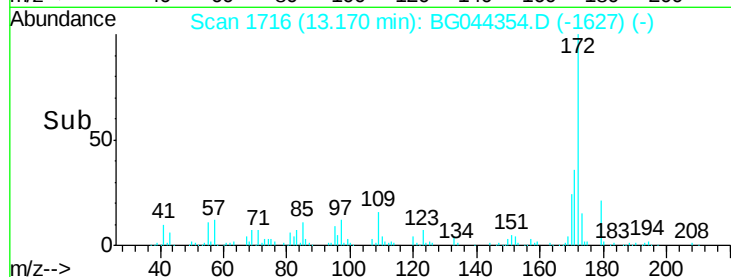
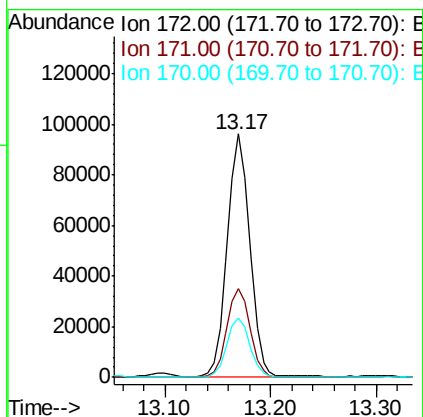
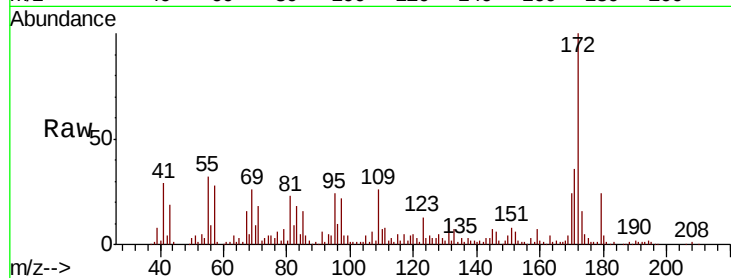
Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





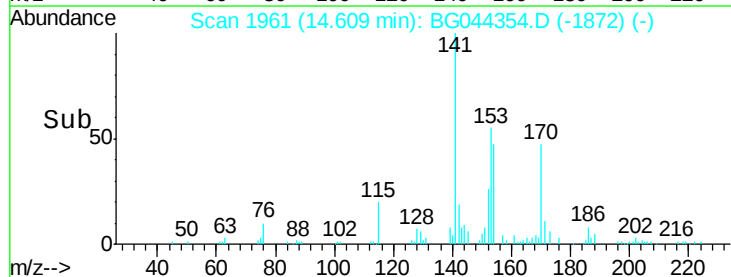
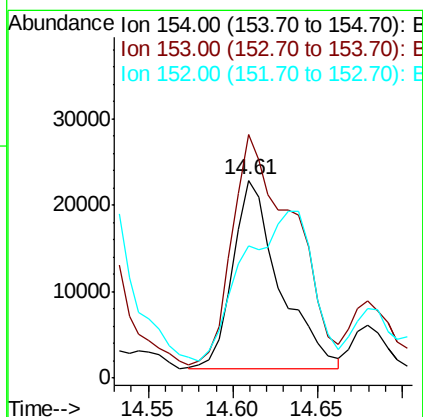
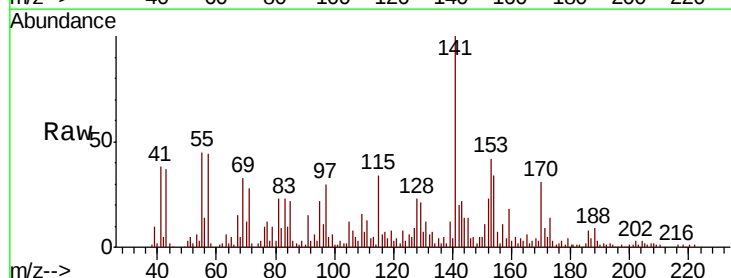
#45
 2-Fluorobiphenyl
 Concen: 10.510 ng
 RT: 13.17 min Scan# 1716
 Delta R.T. -0.01 min
 Lab File: BG044354.D
 Acq: 8 Feb 2020 3:27

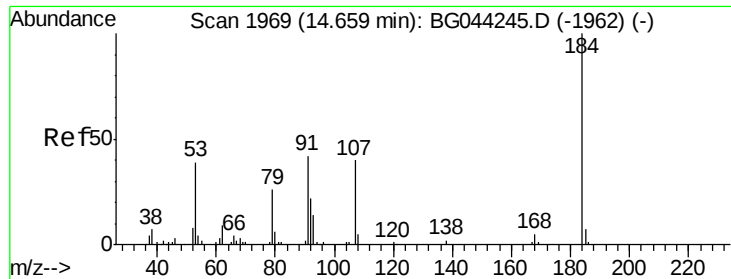
Tot Ion:	172	Resp:	142717
Ion	Ratio	Lower	Upper
172	100		
171	36.3	32.9	49.3
170	24.4	22.0	33.0



#52
 Acenaphthene
 Concen: 3.379 ng
 RT: 14.61 min Scan# 1961
 Delta R.T. -0.01 min
 Lab File: BG044354.D
 Acq: 8 Feb 2020 3:27

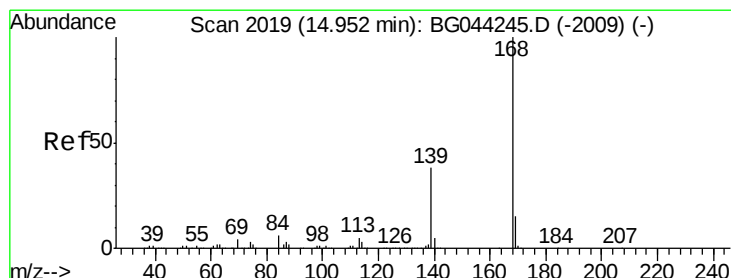
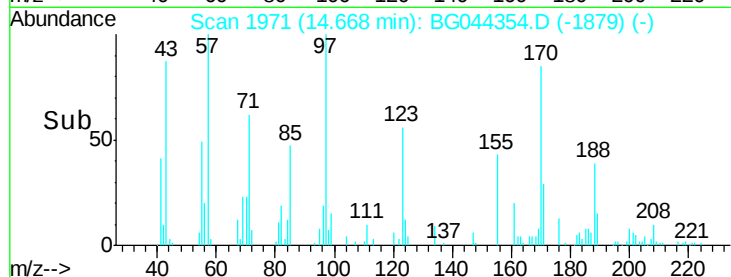
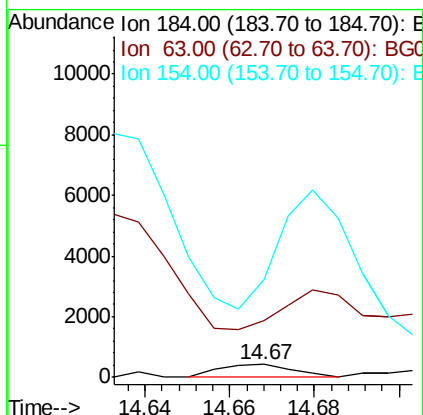
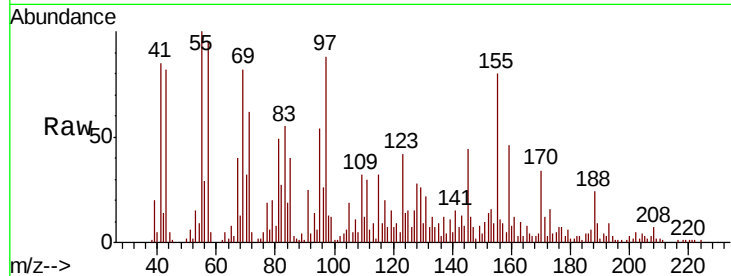
Tgt Ion:	154	Resp:	41927
Ion	Ratio	Lower	Upper
154	100		
153	123.2	87.9	131.9
152	67.2	43.1	64.7#





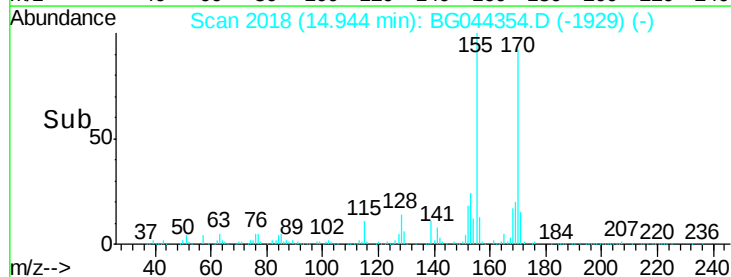
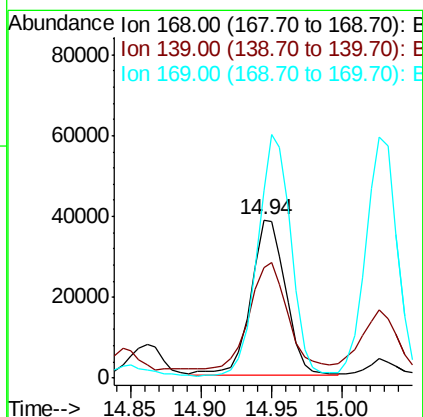
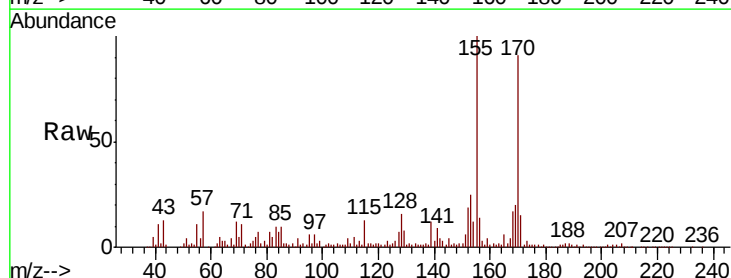
#54
2,4-Dinitrophenol
Concen: 7.851 ng
RT: 14.67 min Scan# 1971
Delta R.T. 0.01 min
Lab File: BG044354.D
Acq: 8 Feb 2020 3:27

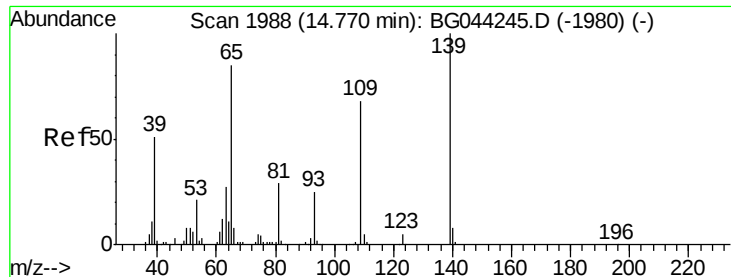
Tot Ion:184 Resp: 540
Ion Ratio Lower Upper
184 100
63 447.2 44.1 66.1#
154 778.8 45.4 68.0#



#55
Dibenzofuran
Concen: 3.541 ng
RT: 14.94 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BG044354.D
Acq: 8 Feb 2020 3:27

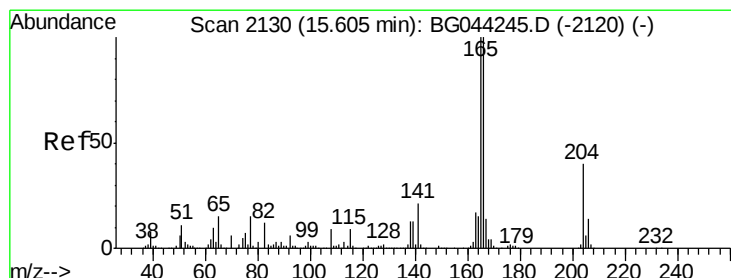
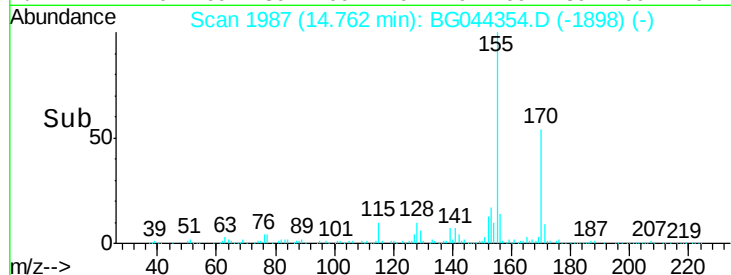
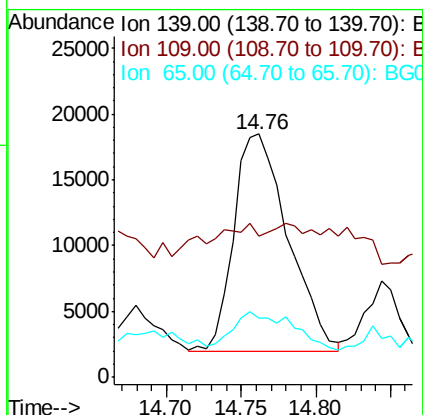
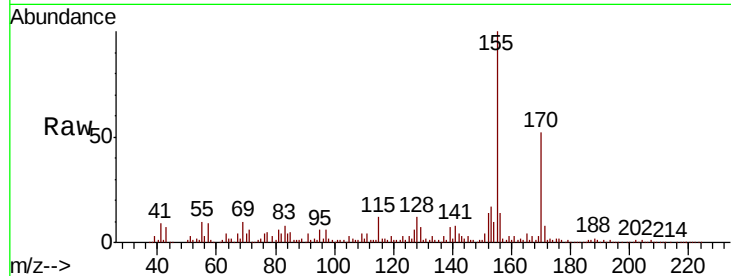
Tgt Ion:168 Resp: 66534
Ion Ratio Lower Upper
168 100
139 70.0 30.5 45.7#
169 118.6 11.7 17.5#





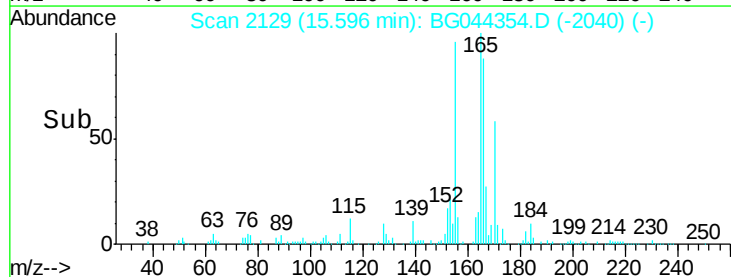
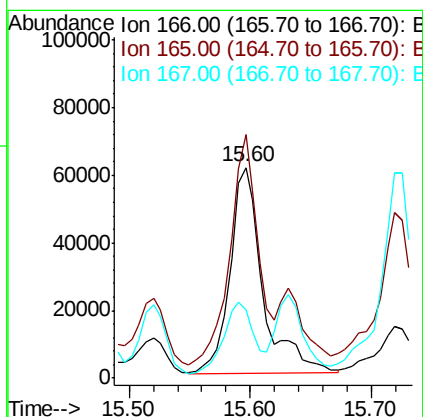
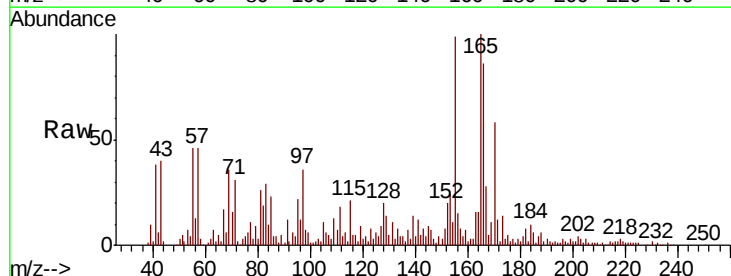
#56
4-Nitrophenol
Concen: 14.126 ng
RT: 14.76 min Scan# 1987
Delta R.T. -0.01 min
Lab File: BG044354.D
Acq: 8 Feb 2020 3:27

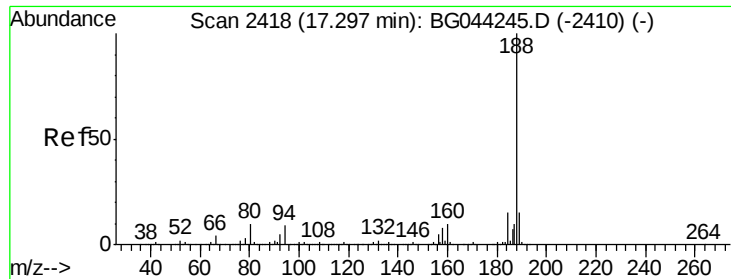
Tot Ion:139 Resp: 41721
Ion Ratio Lower Upper
139 100
109 58.1 47.5 87.5
65 24.4 64.9 104.9#



#58
Fluorene
Concen: 7.747 ng
RT: 15.60 min Scan# 2129
Delta R.T. -0.01 min
Lab File: BG044354.D
Acq: 8 Feb 2020 3:27

Tgt Ion:166 Resp: 114634
Ion Ratio Lower Upper
166 100
165 115.8 79.9 119.9
167 32.7 11.4 17.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.29 min Scan# 2418

Delta R.T. -0.00 min

Lab File: BG044354.D

Acq: 8 Feb 2020 3:27

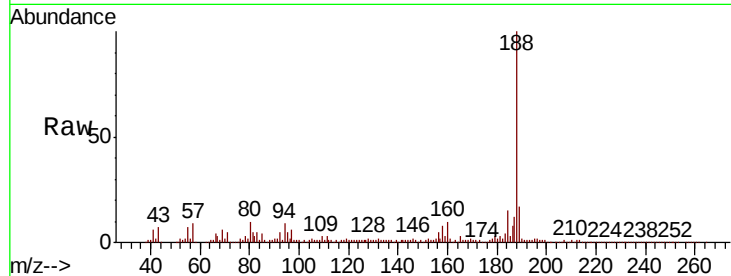
Tot Ion:188 Resp: 471936

Ion Ratio Lower Upper

188 100

94 9.3 7.4 11.2

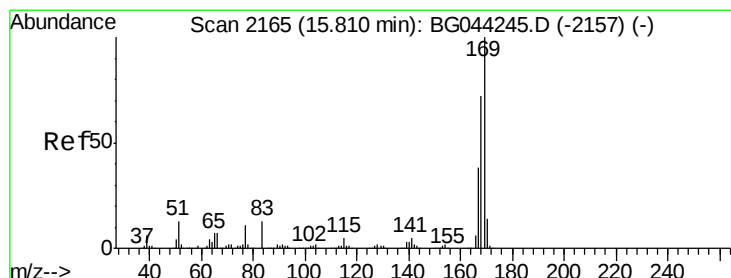
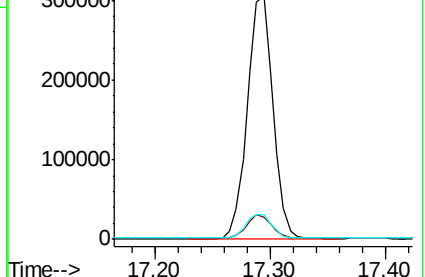
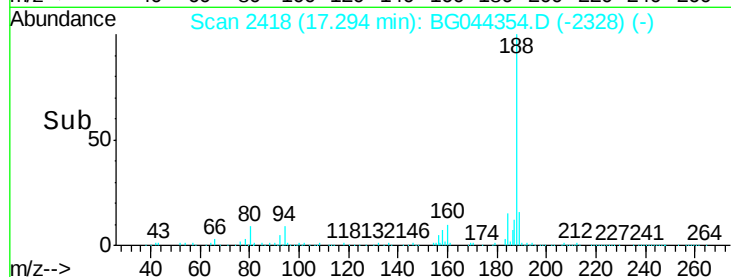
80 10.0 7.7 11.5



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

n-Nitrosodiphenylamine

Concen: 11.946 ng

RT: 15.81 min Scan# 2166

Delta R.T. 0.00 min

Lab File: BG044354.D

Acq: 8 Feb 2020 3:27

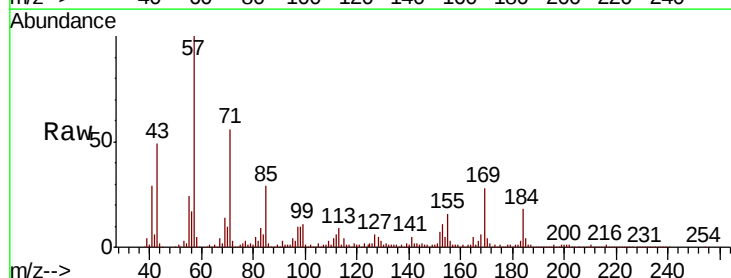
Tgt Ion:169 Resp: 157991

Ion Ratio Lower Upper

169 100

168 20.6 57.9 86.9#

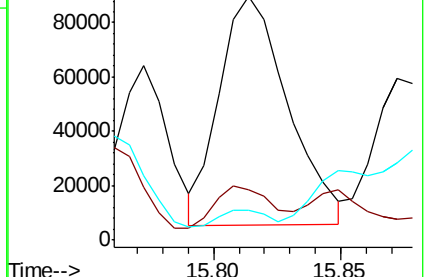
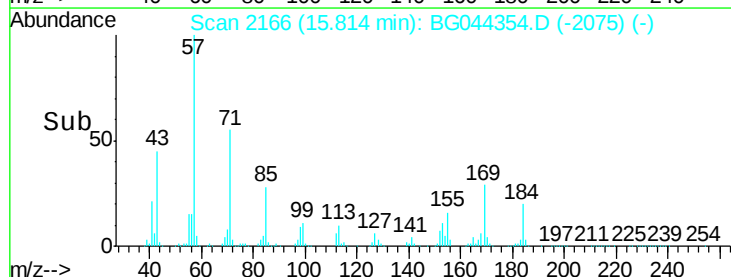
167 12.2 30.7 46.1#

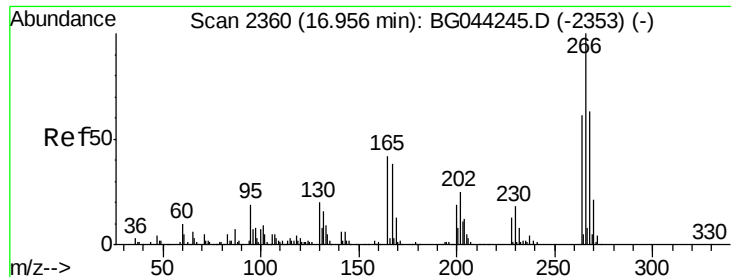


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

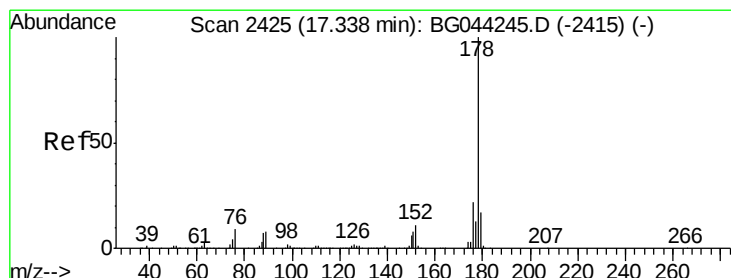
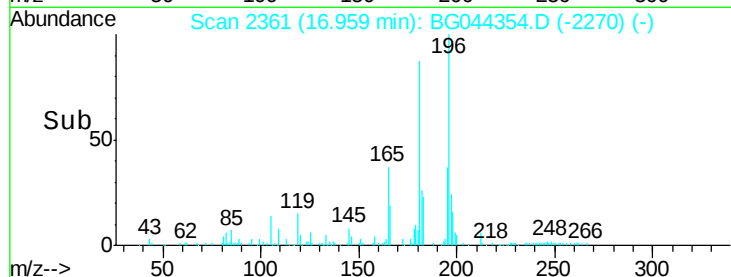
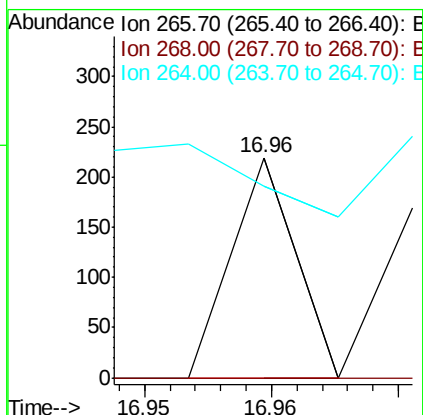
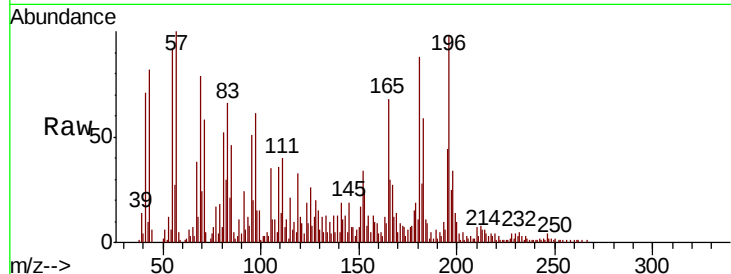
Ion 167.00 (166.70 to 167.70): E





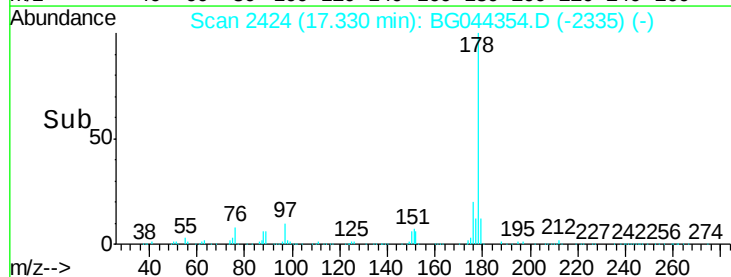
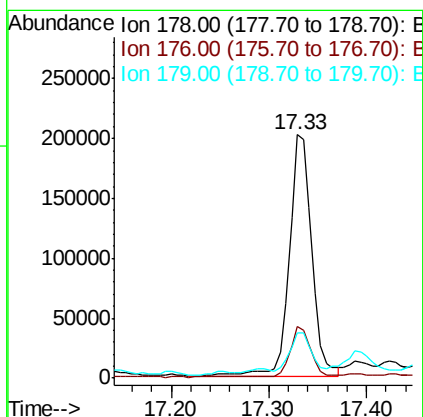
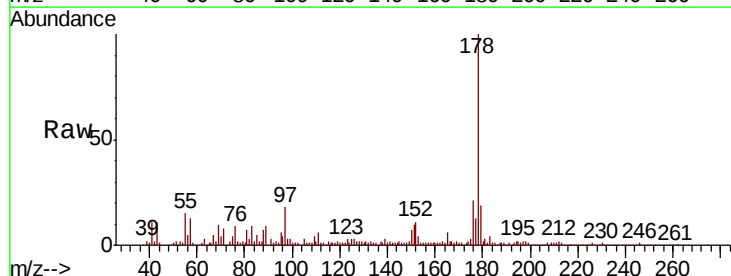
#70
 Pentachlorophenol
 Concen: 3.168 ng
 RT: 16.96 min Scan# 2361
 Delta R.T. 0.00 min
 Lab File: BG044354.D
 Acq: 8 Feb 2020 3:27

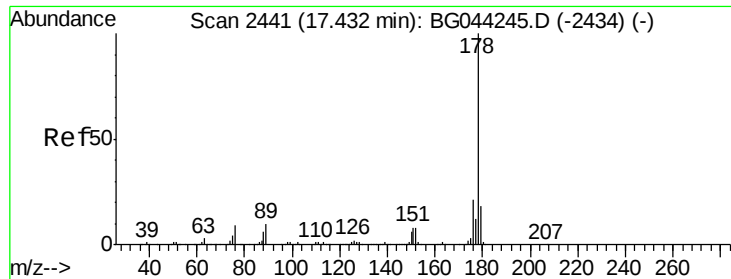
Tot Ion	Ratio	Lower	Upper
266	100		
268	0.0	50.6	75.8#
264	87.2	48.7	73.1#



#71
 Phenanthrene
 Concen: 13.954 ng
 RT: 17.33 min Scan# 2424
 Delta R.T. -0.01 min
 Lab File: BG044354.D
 Acq: 8 Feb 2020 3:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.1	17.7	26.5
179	18.8	13.7	20.5





#72

Anthracene

Concen: 14.114 ng

RT: 17.33 min Scan# 2424

Delta R.T. -0.10 min

Lab File: BG044354.D

Acq: 8 Feb 2020 3:27

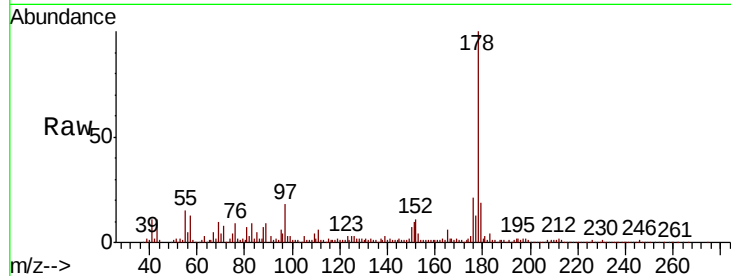
Tot Ion:178 Resp: 318892

Ion Ratio Lower Upper

178 100

176 21.1 17.0 25.4

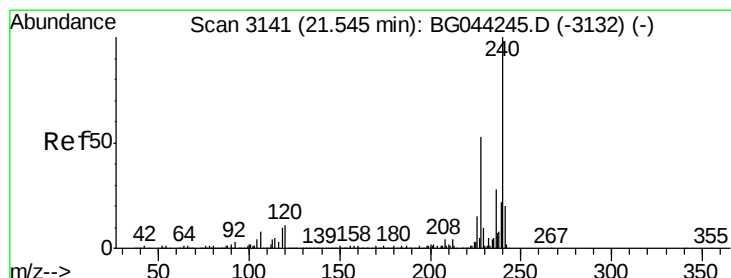
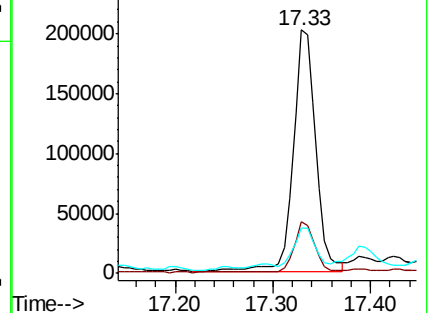
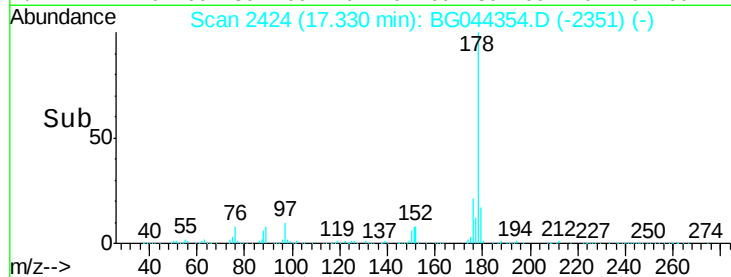
179 18.8 14.4 21.6



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: 21.53 min Scan# 3139

Delta R.T. -0.01 min

Lab File: BG044354.D

Acq: 8 Feb 2020 3:27

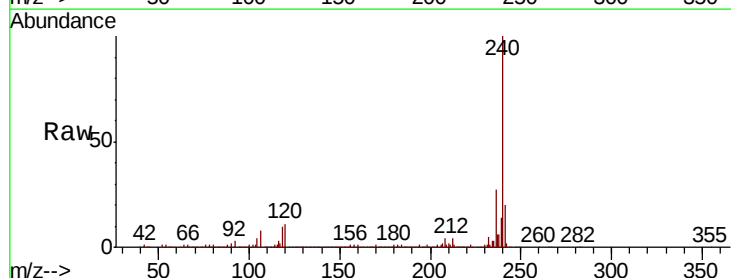
Tgt Ion:240 Resp: 494063

Ion Ratio Lower Upper

240 100

120 10.9 8.4 12.6

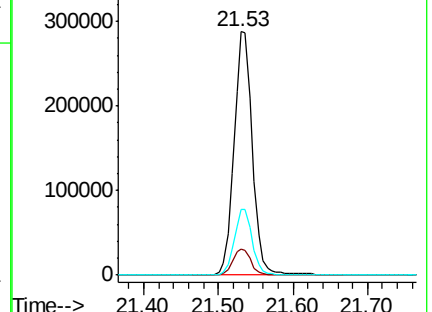
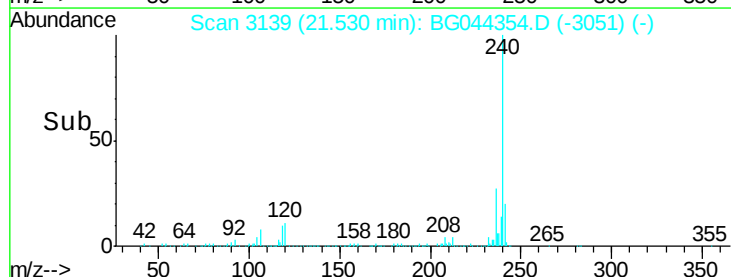
236 27.0 22.1 33.1

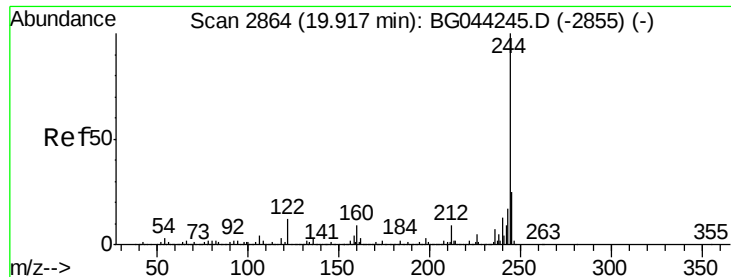


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 9.938 ng

RT: 19.90 min Scan# 2862

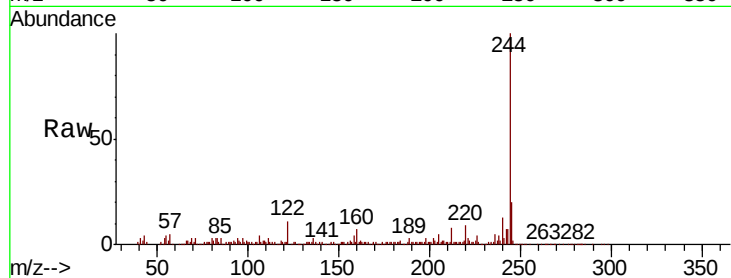
Delta R.T. -0.01 min

Lab File: BG044354.D

Acq: 8 Feb 2020 3:27

Tot Ion:244 Resp: 238703

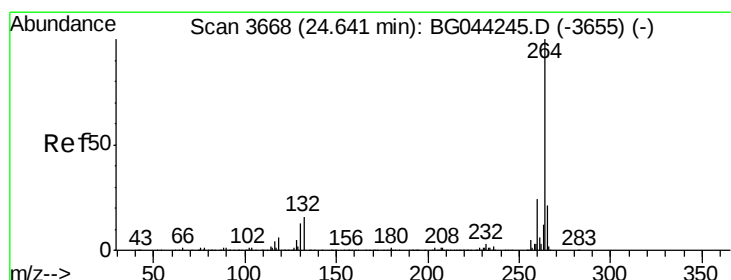
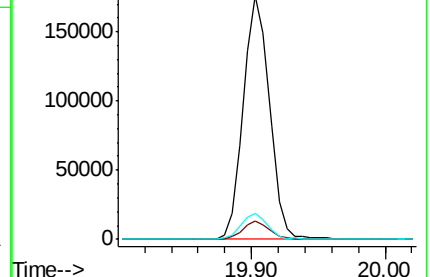
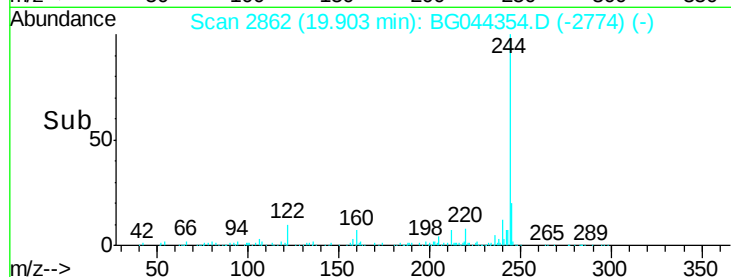
Ion	Ratio	Lower	Upper
244	100		
212	7.6	7.4	11.2
122	10.8	9.8	14.6



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: 24.62 min Scan# 3665

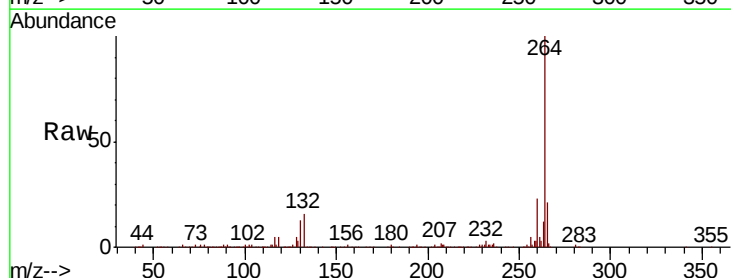
Delta R.T. -0.02 min

Lab File: BG044354.D

Acq: 8 Feb 2020 3:27

Tgt Ion:264 Resp: 523559

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.2
265	21.1	16.7	25.1



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

