

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021915\
 Data File : BG016031.D
 Acq On : 20 Feb 2015 10:24
 Operator : TP/IZ
 Sample : MDL-06-S-ML
 Misc : MDL-SOIL-3PPM-SOM0-ML
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Feb 20 12:15:17 2015

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-MA-BG021915.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri Feb 20 05:38:39 2015

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	87206	20.00	ng/ul	0.00
16) Naphthalene-d8	10.60	136	399895	20.00	ng/ul	0.00
33) Acenaphthene-d10	14.43	164	246074	20.00	ng/ul	0.00
59) Phenanthrene-d10	17.18	188	531795	20.00	ng/ul	0.00
75) Chrysene-d12	21.35	240	550518	20.00	ng/ul	0.00
83) Perylene-d12	23.65	264	527136	20.00	ng/ul	0.00

System Monitoring Compounds

3) Phenol-d5	6.97	99	277730	33.48	ng/ul	0.00
5) Bis-(2-Chloroethyl)ether-d	7.14	67	169200	34.53	ng/ul	0.00
7) 2-Chlorophenol-d4	7.34	132	217273	35.40	ng/ul	0.00
11) 4-Methylphenol-d8	8.50	113	212217	34.56	ng/ul	0.00
17) Nitrobenzene-d5	8.96	128	108184	38.28	ng/ul	0.00
20) 2-Nitrophenol-d4	9.68	143	97763	37.50	ng/ul	0.00
24) 2,4-Dichlorophenol-d3	10.21	165	181293	32.06	ng/ul	0.00
27) 4-Chloroaniline-d4	10.73	131	339006	54.41	ng/ul	0.00
41) Dimethylphthalate-d6	13.84	166	620977	37.74	ng/ul	0.00
44) Acenaphthylene-d8	14.13	160	812400	34.89	ng/ul	0.00
49) 4-Nitrophenol-d4	14.62	143	96511	29.17	ng/ul	0.00
55) Fluorene-d10	15.42	176	587392	35.52	ng/ul	0.00
60) 4,6-Dinitro-2-methylphenol	15.54	200	43014	20.98	ng/ul	0.00
68) Anthracene-d10	17.27	188	897045	35.56	ng/ul	0.00
76) Pyrene-d10	19.56	212	955141	36.94	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.50	264	877683	36.72	ng/ul	0.00

Target Compounds

						Qvalue
2) Benzaldehyde	6.97	77	395	0.08	ng/ul#	1
6) Bis(2-Chloroethyl)ether	7.23	93	1215	0.18	ng/ul#	80
10) 2,2'-oxybis(1-Chloropropan	8.48	45	71	0.01	ng/ul#	67
13) N-Nitroso-di-n-propylamine	8.50	70	4743	0.90	ng/ul#	1
18) Nitrobenzene	8.96	77	511	0.08	ng/ul#	36
19) Isophorone	9.68	82	5457	0.38	ng/ul#	66
26) Naphthalene	10.73	128	379	0.02	ng/ul#	1
34) 1,2,4,5-Tetrachlorobenzene	12.62	216	89	0.01	ng/ul#	71
42) Dimethylphthalate	13.85	163	488	0.03	ng/ul#	1
50) 4-Nitrophenol	14.74	109	1186	0.62	ng/ul#	1
56) Fluorene	15.42	166	1578	0.08	ng/ul#	11
58) 4-Nitroaniline	15.43	138	240	0.05	ng/ul#	1
62) N-Nitrosodiphenylamine	15.54	169	74	0.00	ng/ul#	14
69) Anthracene	17.28	178	300	0.01	ng/ul#	1
70) 1,2,3,4-Tetrachlorobenzene	17.23	216	15768	2.33	ng/uL	96
71) Pentachlorobenzene	14.75	250	32469	4.90	ng/uL	96
77) Pyrene	19.56	202	1303	0.04	ng/ul#	1
80) Benzo(a)anthracene	21.35	228	1492	0.05	ng/ul#	57
81) Bis(2-ethylhexyl)phthalate	21.28	149	691	0.04	ng/ul#	50
82) Chrysene	21.37	228	55	0.00	ng/ul#	48
84) Di-n-octyl phthalate	22.16	149	1585	0.06	ng/ul	100
88) Benzo(a)pyrene	23.50	252	3128	0.11	ng/ul#	72
91) Benzo(g,h,i)perylene	26.73	276	230	0.01	ng/ul#	48

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021915\
Data File : BG016031.D
Acq On : 20 Feb 2015 10:24
Operator : TP/IZ
Sample : MDL-06-S-ML
Misc : MDL-SOIL-3PPM-SOM0-ML
ALS Vial : 31 Sample Multiplier: 1

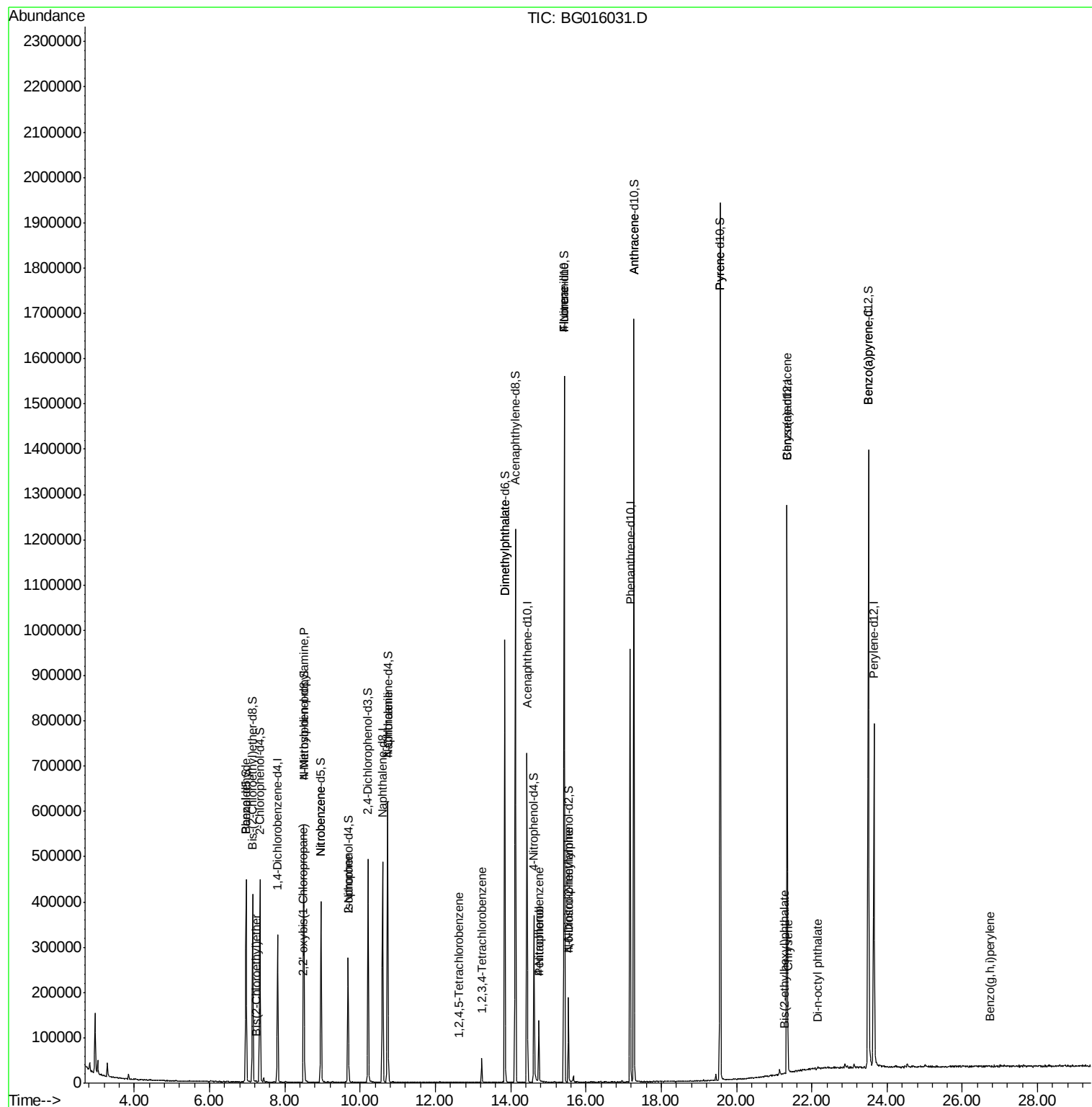
Quant Time: Feb 20 12:15:17 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-MA-BG021915.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 20 05:38:39 2015
Response via : Initial Calibration

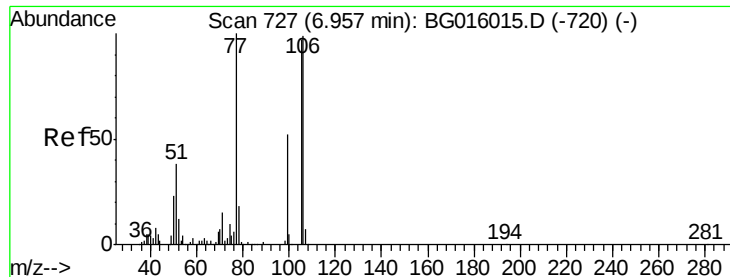
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021915\
Data File : BG016031.D
Acq On : 20 Feb 2015 10:24
Operator : TP/IZ
Sample : MDL-06-S-ML
Misc : MDL-SOIL-3PPM-SOM0-ML
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Feb 20 12:15:17 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-MA-BG021915.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 20 05:38:39 2015
Response via : Initial Calibration





#2

Benzaldehyde

Concen: 0.08 ng/ul

RT: 6.97 min Scan# 729

Delta R.T. 0.01 min

Lab File: BG016031.D

Acq: 20 Feb 2015 10:24

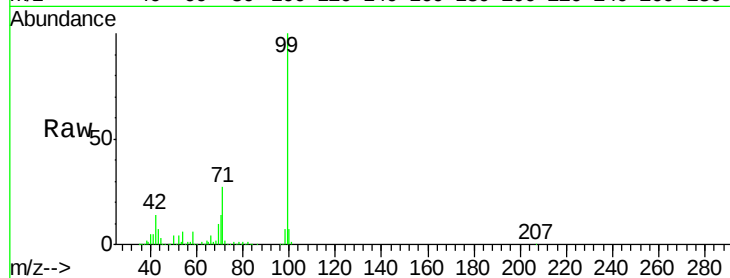
Tgt Ion: 77 Resp: 395

Ion Ratio Lower Upper

77 100

105 0.0 76.6 114.8#

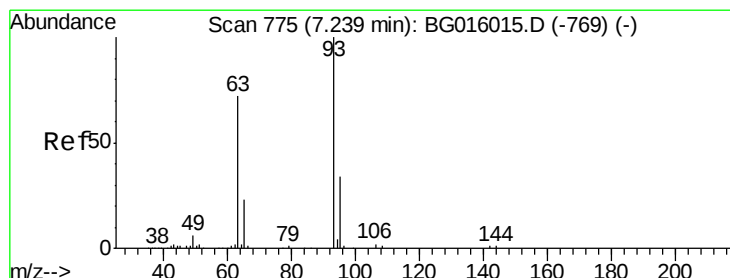
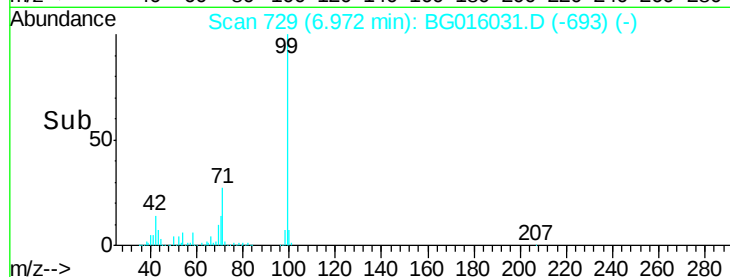
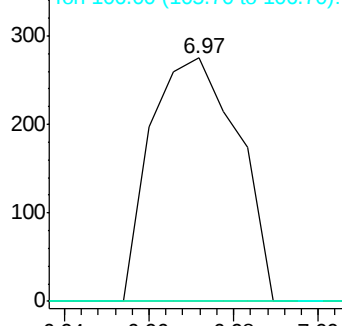
106 0.0 78.2 117.4#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#6

Bis(2-Chloroethyl)ether

Concen: 0.18 ng/ul

RT: 7.23 min Scan# 773

Delta R.T. -0.01 min

Lab File: BG016031.D

Acq: 20 Feb 2015 10:24

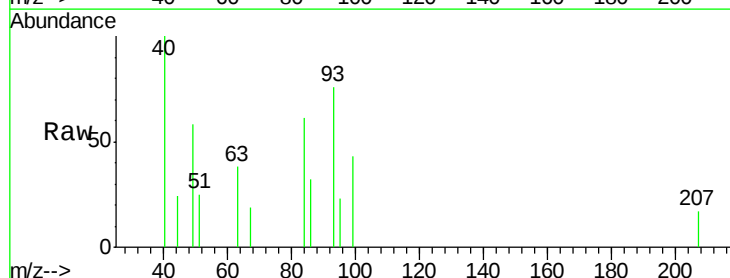
Tgt Ion: 93 Resp: 1215

Ion Ratio Lower Upper

93 100

63 49.4 57.5 86.3#

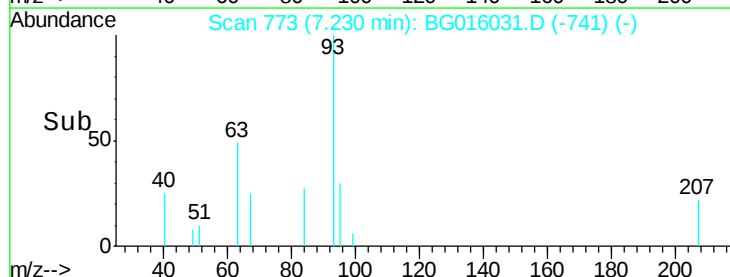
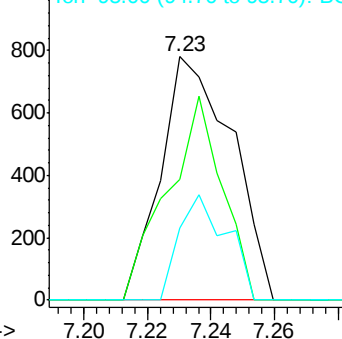
95 29.8 25.8 38.6

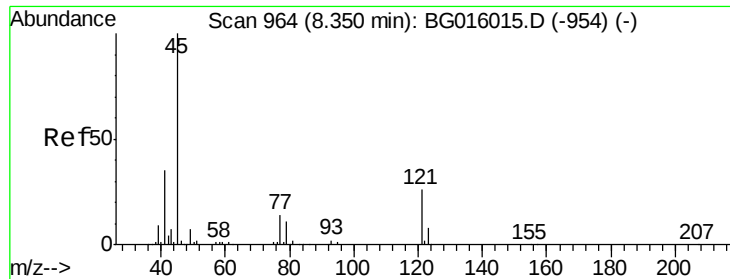


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 95.00 (94.70 to 95.70): BGC





#10

2,2'-oxybis(1-Chloropropane)

Concen: 0.01 ng/ul

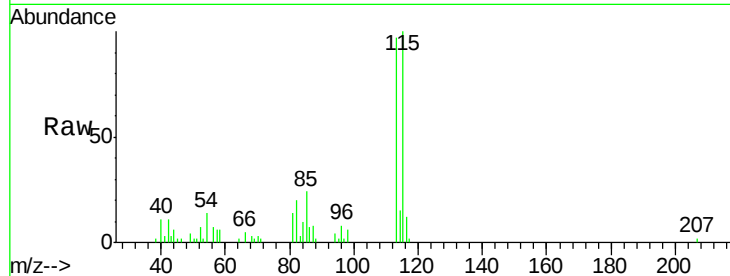
RT: 8.48 min Scan# 986

Delta R.T. 0.13 min

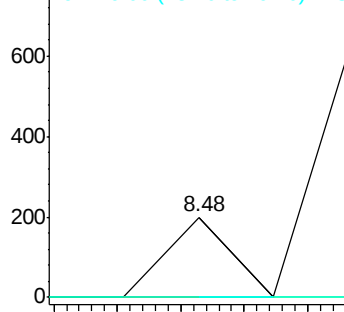
Lab File: BG016031.D

Acq: 20 Feb 2015 10:24

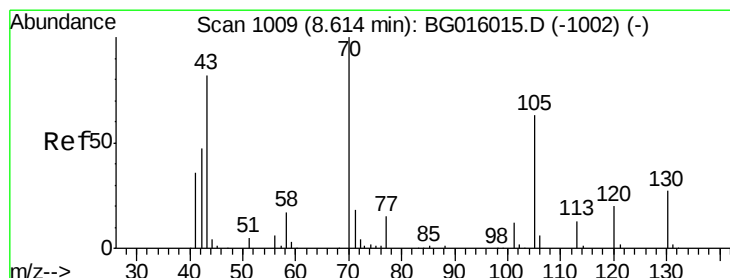
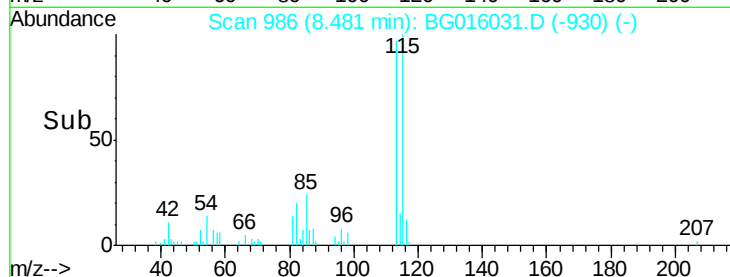
Tgt Ion:	45	Resp:	71
Ion	Ratio	Lower	Upper
45	100		
77	0.0	11.4	17.2#
79	0.0	9.0	13.6#



Abundance Ion 45.00 (44.70 to 45.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC



Time--> 8.47 8.47 8.48 8.48 8.49



#13

N-Nitroso-di-n-propylamine

Concen: 0.90 ng/ul

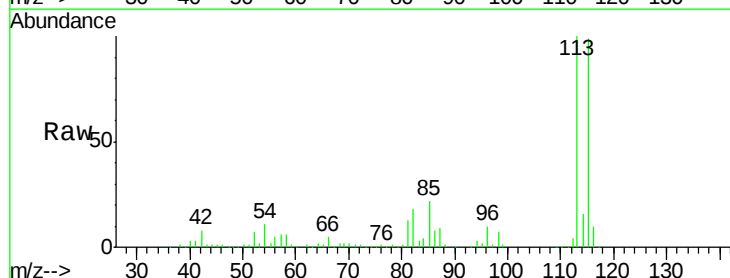
RT: 8.50 min Scan# 990

Delta R.T. -0.11 min

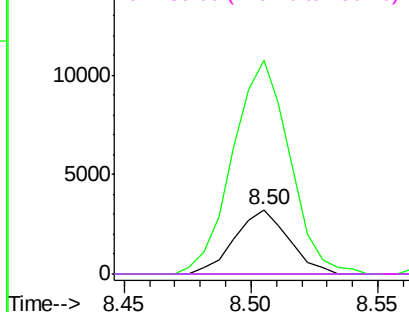
Lab File: BG016031.D

Acq: 20 Feb 2015 10:24

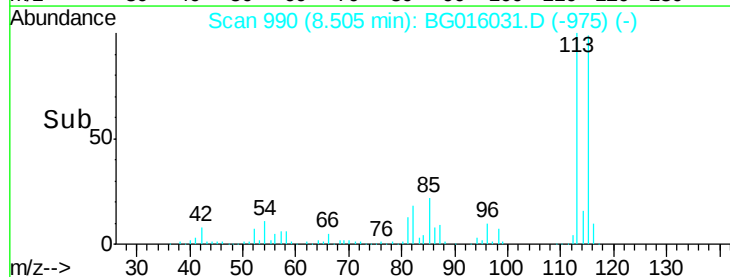
Tgt Ion:	70	Resp:	4743
Ion	Ratio	Lower	Upper
70	100		
42	332.6	37.8	56.6#
101	0.0	9.3	13.9#
130	0.0	22.2	33.2#

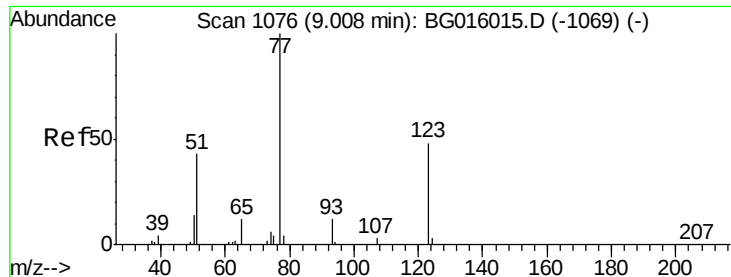


Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC



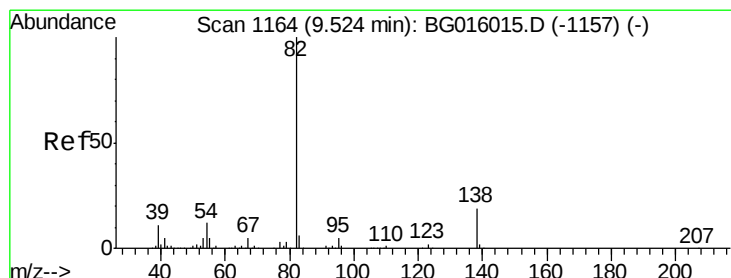
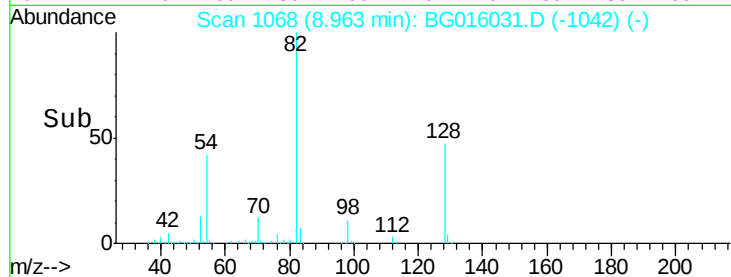
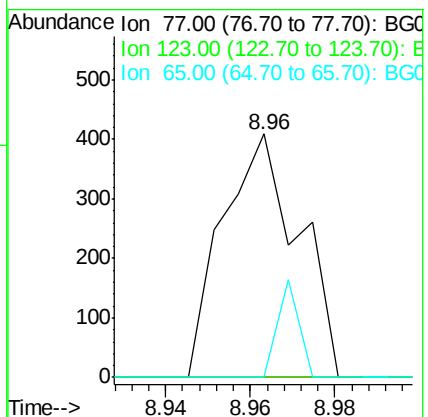
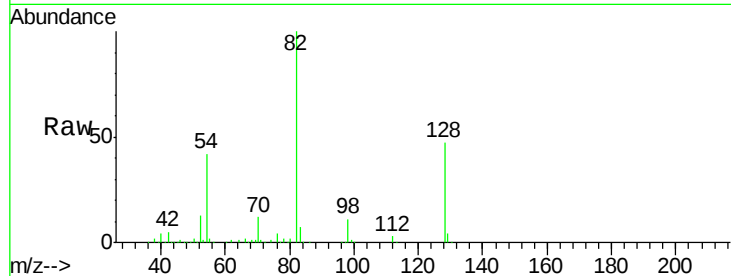
Time--> 8.45 8.50 8.55





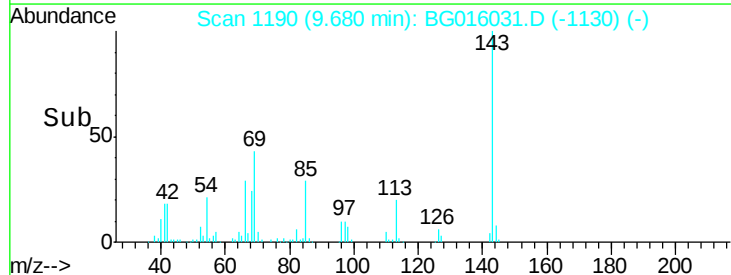
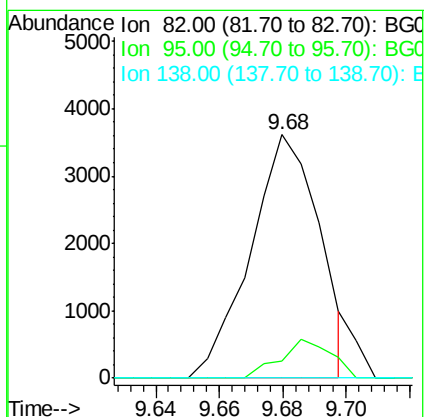
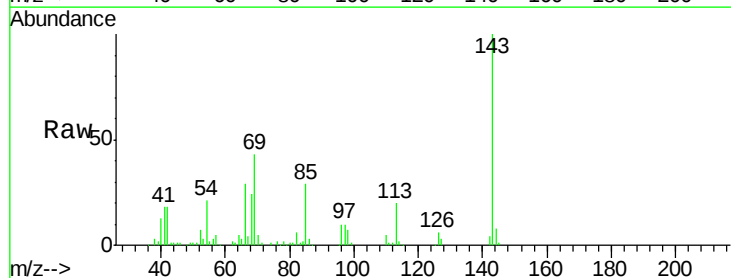
#18
Nitrobenzene
Concen: 0.08 ng/ul
RT: 8.96 min Scan# 1068
Delta R.T. -0.05 min
Lab File: BG016031.D
Acq: 20 Feb 2015 10:24

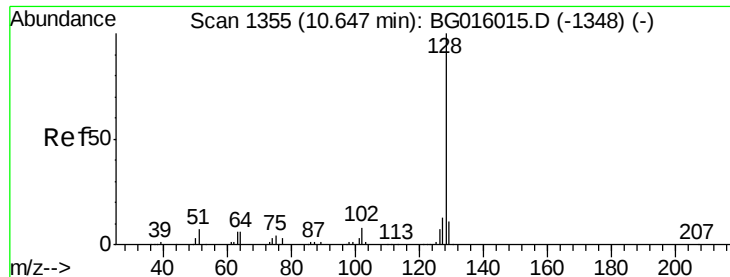
Tgt Ion: 77 Resp: 511
Ion Ratio Lower Upper
77 100
123 0.0 39.9 59.9#
65 0.0 11.0 16.6#



#19
Isophorone
Concen: 0.38 ng/ul
RT: 9.68 min Scan# 1190
Delta R.T. 0.15 min
Lab File: BG016031.D
Acq: 20 Feb 2015 10:24

Tgt Ion: 82 Resp: 5457
Ion Ratio Lower Upper
82 100
95 7.0 4.6 6.8#
138 0.0 15.4 23.2#





#26

Naphthalene

Concen: 0.02 ng/ul

RT: 10.73 min Scan# 1369

Delta R.T. 0.08 min

Lab File: BG016031.D

Acq: 20 Feb 2015 10:24

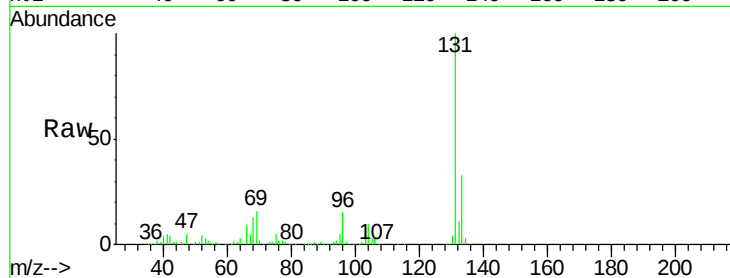
Tgt Ion:128 Resp: 379

Ion Ratio Lower Upper

128 100

129 192.6 8.7 13.1#

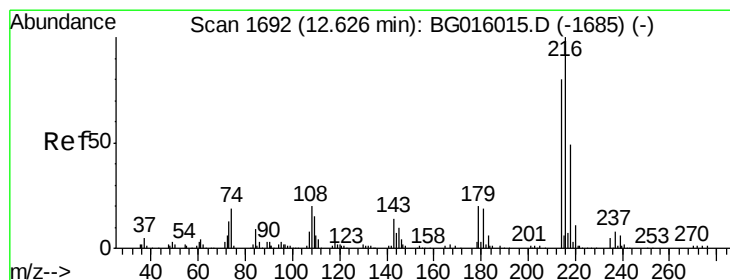
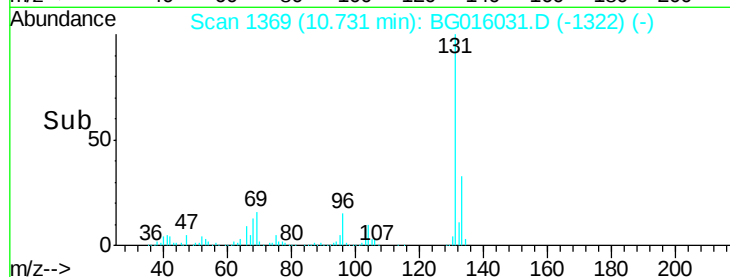
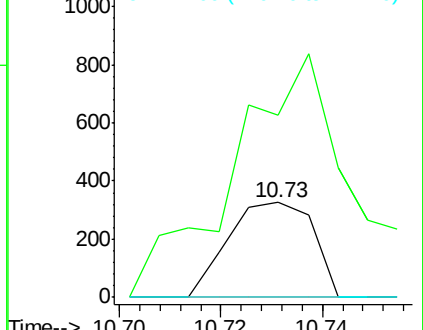
127 0.0 10.4 15.6#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

1,2,4,5-Tetrachlorobenzene

Concen: 0.01 ng/ul

RT: 12.62 min Scan# 1691

Delta R.T. -0.00 min

Lab File: BG016031.D

Acq: 20 Feb 2015 10:24

Tgt Ion:216 Resp: 89

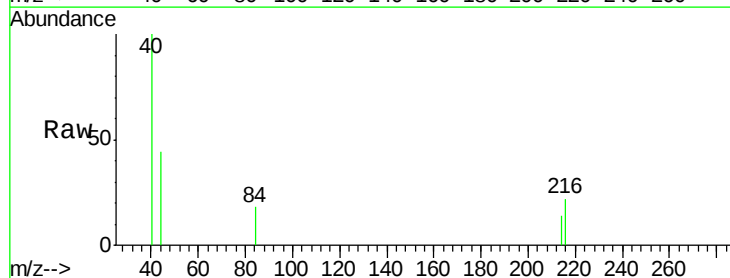
Ion Ratio Lower Upper

216 100

214 61.1 64.3 96.5#

179 0.0 15.7 23.5#

108 0.0 16.1 24.1#

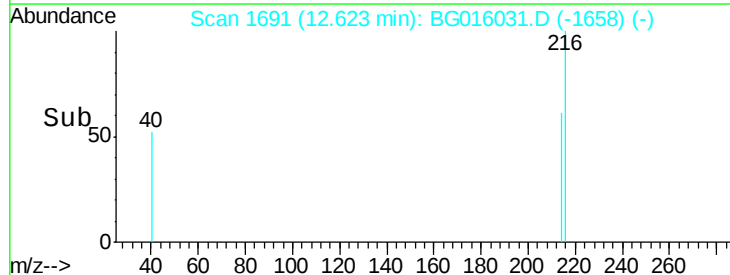
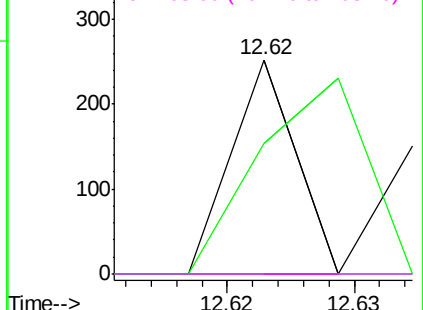


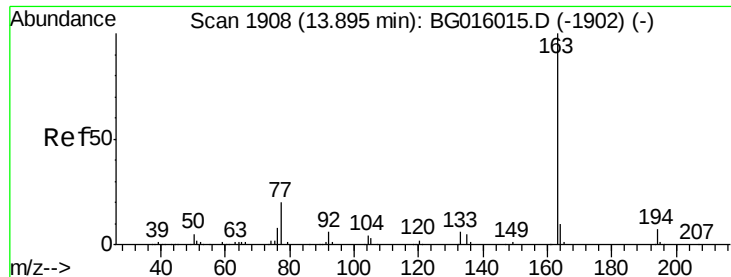
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#42

Dimethylphthalate

Concen: 0.03 ng/ul

RT: 13.85 min Scan# 1900

Delta R.T. -0.05 min

Lab File: BG016031.D

Acq: 20 Feb 2015 10:24

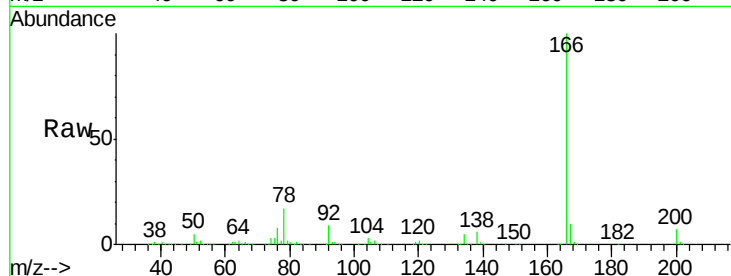
Tgt Ion:163 Resp: 488

Ion Ratio Lower Upper

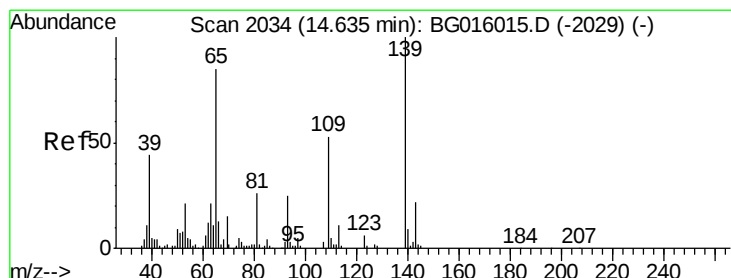
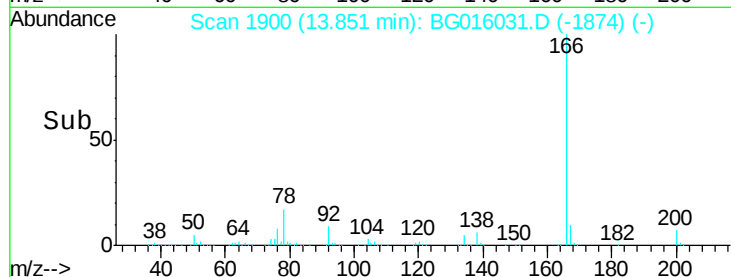
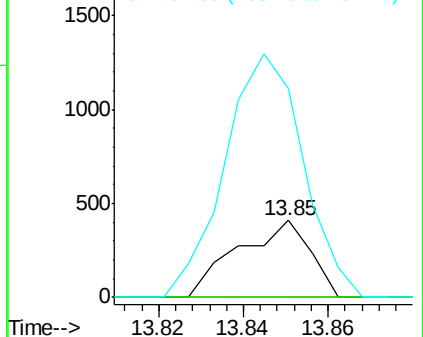
163 100

194 0.0 5.3 7.9#

164 271.0 8.5 12.7#



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#50

4-Nitrophenol

Concen: 0.62 ng/ul

RT: 14.74 min Scan# 2052

Delta R.T. 0.11 min

Lab File: BG016031.D

Acq: 20 Feb 2015 10:24

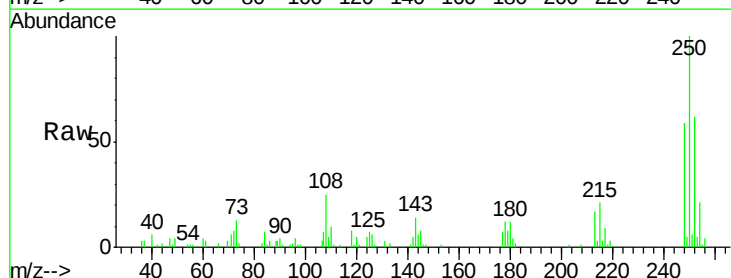
Tgt Ion:109 Resp: 1186

Ion Ratio Lower Upper

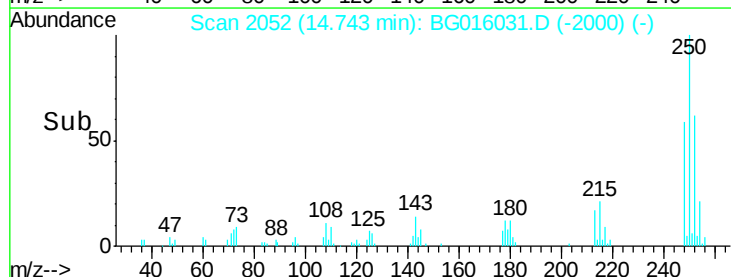
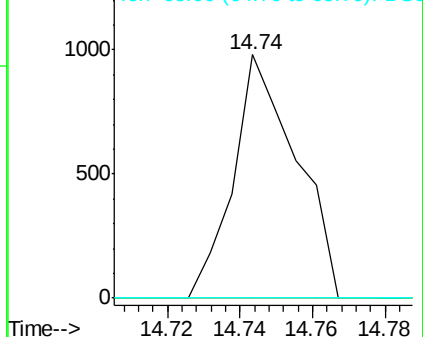
109 100

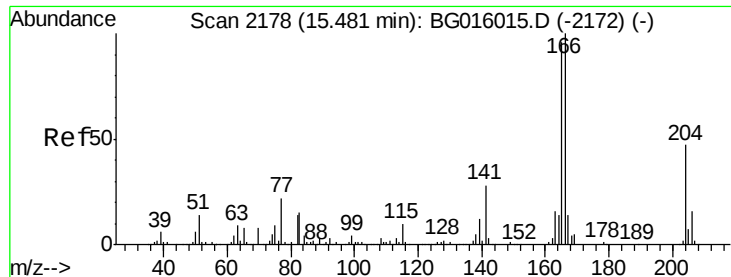
139 0.0 146.1 219.1#

65 0.0 123.5 185.3#



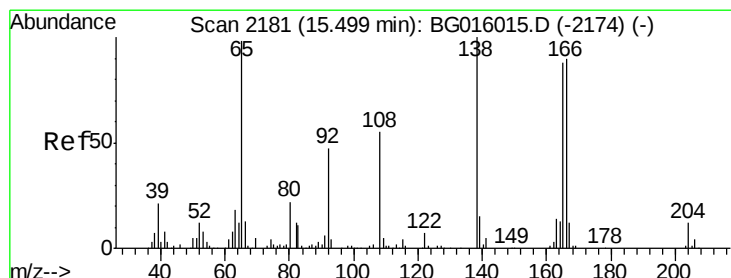
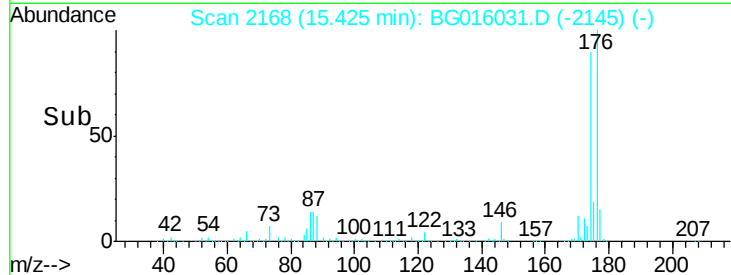
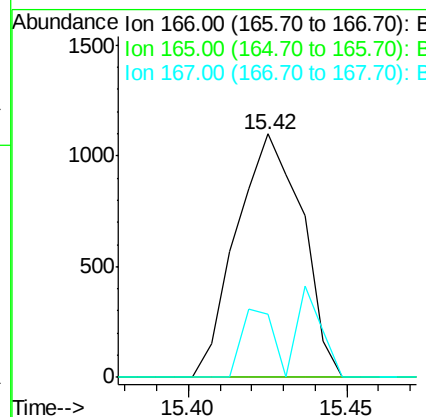
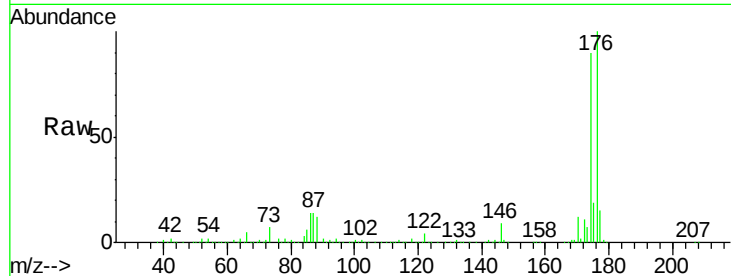
Abundance Ion 109.00 (108.70 to 109.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 65.00 (64.70 to 65.70): BG





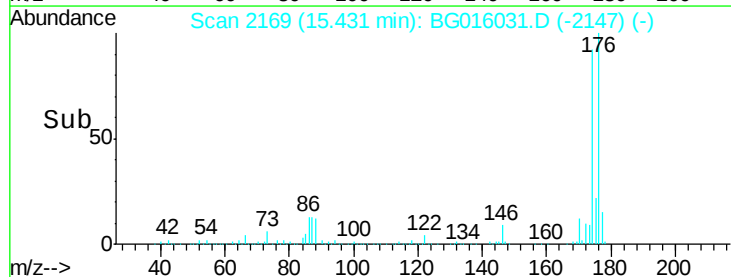
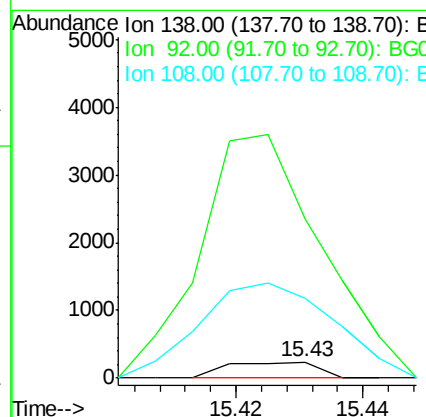
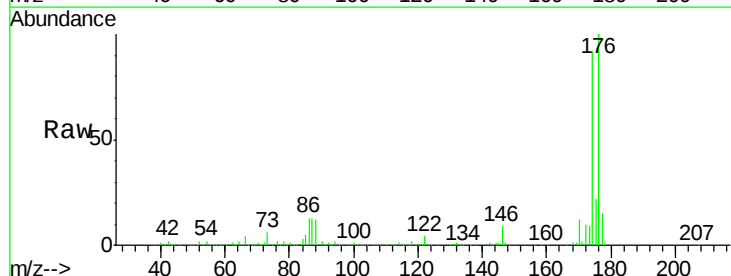
#56
 Fluorene
 Concen: 0.08 ng/ul
 RT: 15.42 min Scan# 2168
 Delta R.T. -0.06 min
 Lab File: BG016031.D
 Acq: 20 Feb 2015 10:24

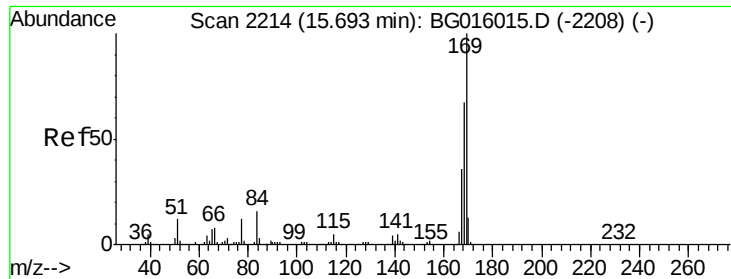
Tgt Ion:166 Resp: 1578
 Ion Ratio Lower Upper
 166 100
 165 0.0 75.4 113.2#
 167 25.9 11.0 16.4#



#58
 4-Nitroaniline
 Concen: 0.05 ng/ul
 RT: 15.43 min Scan# 2169
 Delta R.T. -0.07 min
 Lab File: BG016031.D
 Acq: 20 Feb 2015 10:24

Tgt Ion:138 Resp: 240
 Ion Ratio Lower Upper
 138 100
 92 1000.4 38.1 57.1#
 108 503.0 46.4 69.6#

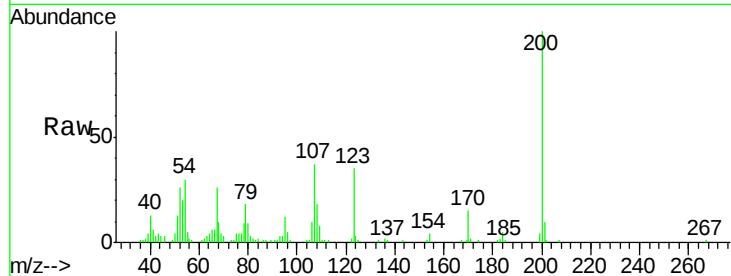




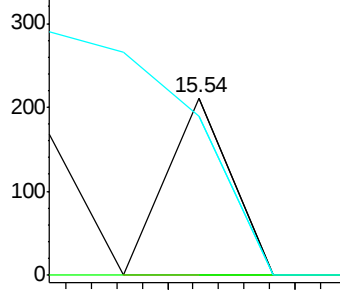
#62

N-Nitrosodiphenylamine
 Concen: 0.00 ng/ul
 RT: 15.54 min Scan# 2188
 Delta R.T. -0.15 min
 Lab File: BG016031.D
 Acq: 20 Feb 2015 10:24

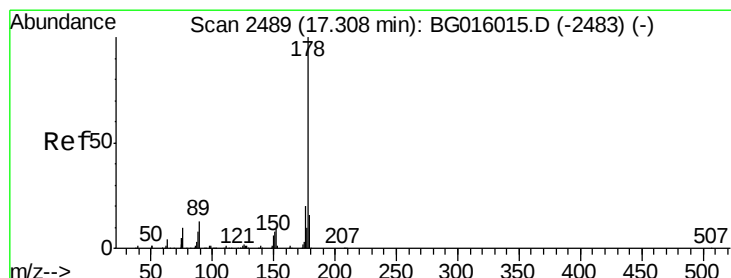
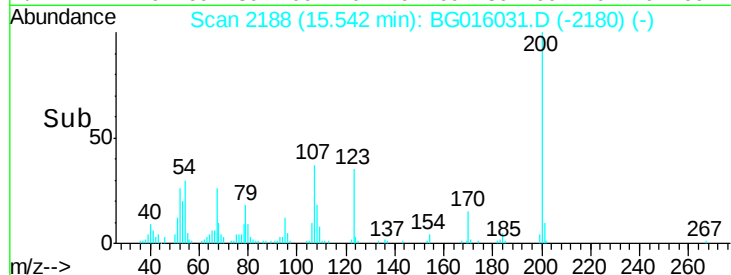
Tgt Ion	Ratio	Lower	Upper
169	100		
168	0.0	53.8	80.8#
167	89.6	29.2	43.8#



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



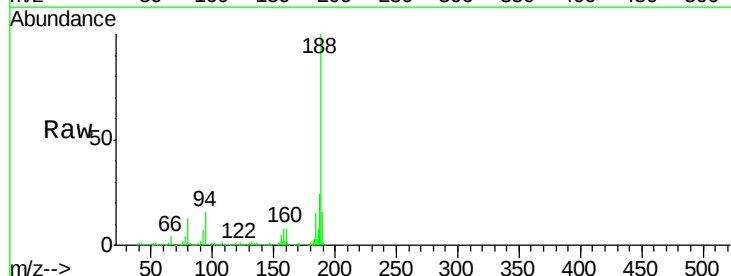
Time-->



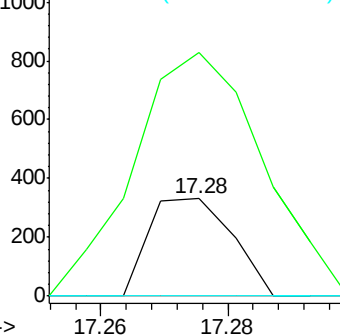
#69

Anthracene
 Concen: 0.01 ng/ul
 RT: 17.28 min Scan# 2483
 Delta R.T. -0.04 min
 Lab File: BG016031.D
 Acq: 20 Feb 2015 10:24

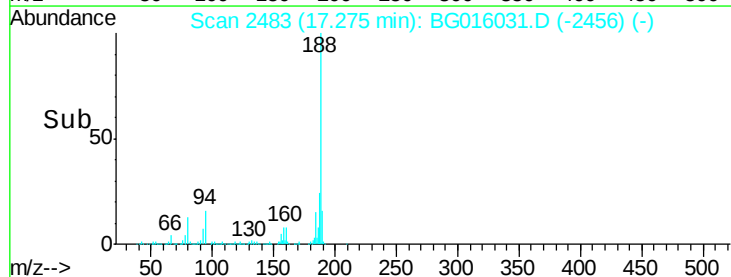
Tgt Ion	Ratio	Lower	Upper
178	100		
179	250.2	12.9	19.3#
176	0.0	15.7	23.5#

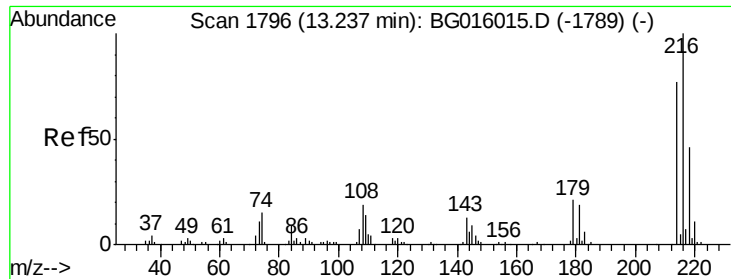


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E



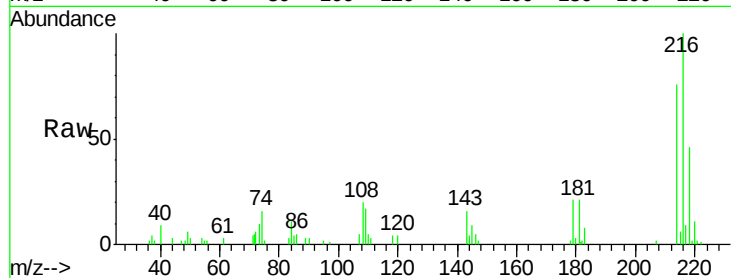
Time-->



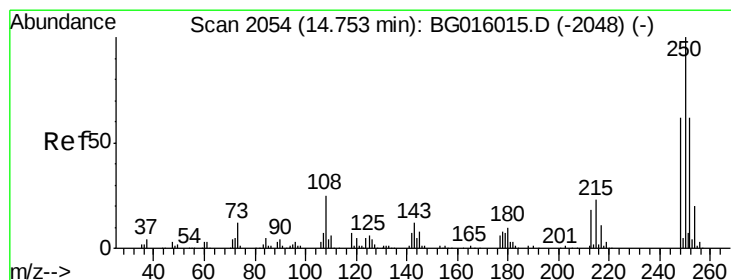
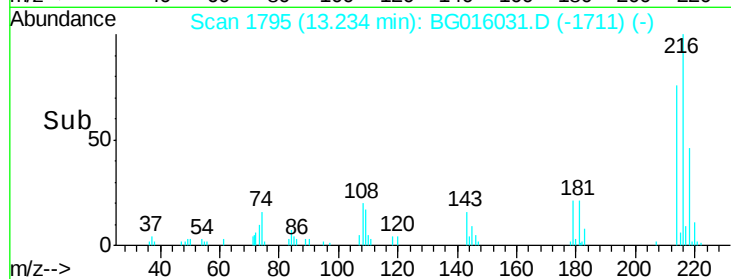
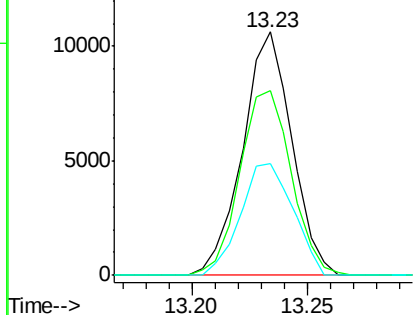


#70
 1,2,3,4-Tetrachlorobenzene
 Concen: 2.33 ng/uL
 RT: 13.23 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: BG016031.D
 Acq: 20 Feb 2015 10:24

Tgt Ion	Ratio	Lower	Upper
216	100		
214	75.8	64.5	96.7
218	45.8	37.9	56.9

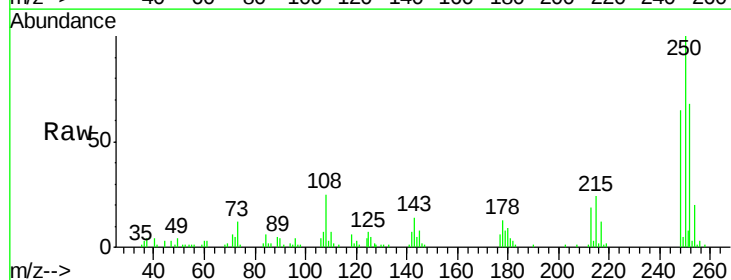


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 218.00 (217.70 to 218.70): E

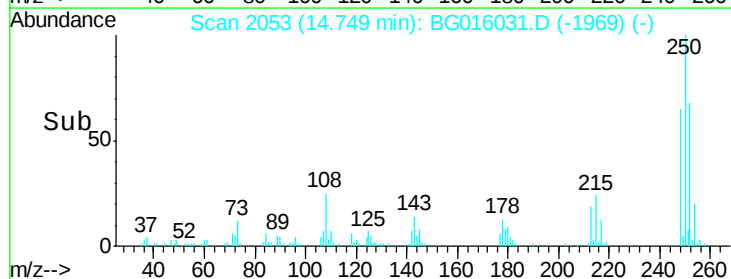
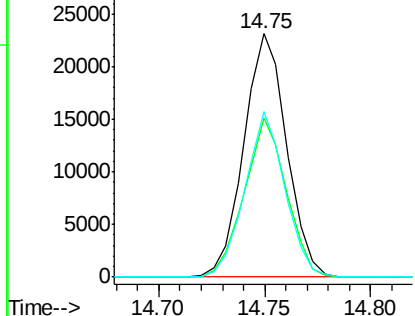


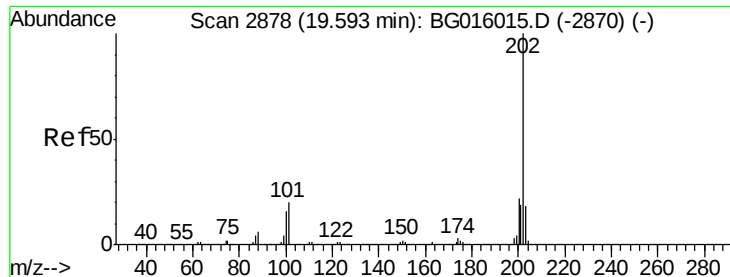
#71
 Pentachlorobenzene
 Concen: 4.90 ng/uL
 RT: 14.75 min Scan# 2053
 Delta R.T. -0.00 min
 Lab File: BG016031.D
 Acq: 20 Feb 2015 10:24

Tgt Ion	Ratio	Lower	Upper
250	100		
248	65.4	50.5	75.7
252	68.1	50.7	76.1



Abundance Ion 250.00 (249.70 to 250.70): E
 Ion 248.00 (247.70 to 248.70): E
 Ion 252.00 (251.70 to 252.70): E





#77

Pyrene

Concen: 0.04 ng/ul

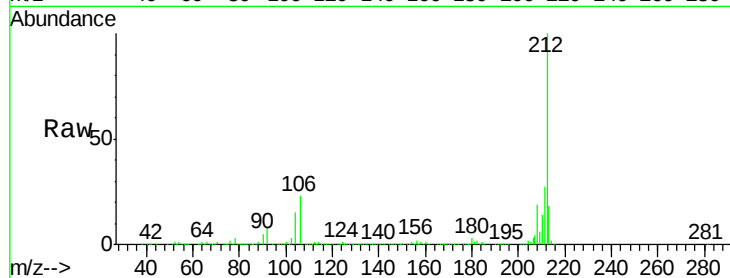
RT: 19.56 min Scan# 2872

Delta R.T. -0.03 min

Lab File: BG016031.D

Acq: 20 Feb 2015 10:24

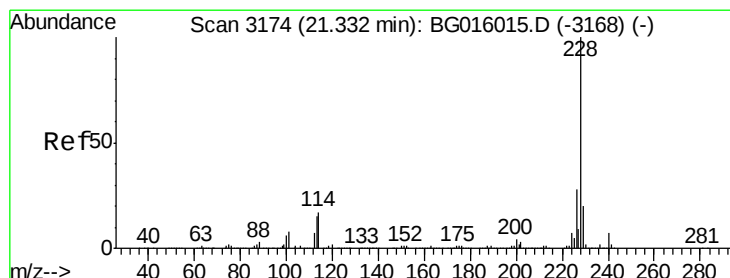
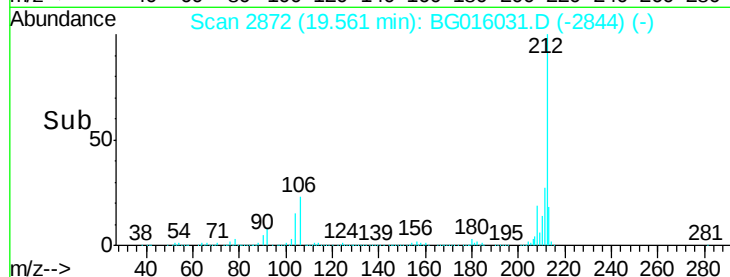
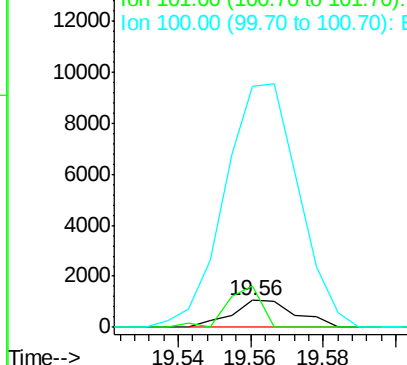
Tgt Ion:	202	Resp:	1303
Ion	Ratio	Lower	Upper
202	100		
101	153.1	15.8	23.8#
100	897.1	12.7	19.1#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 0.05 ng/ul

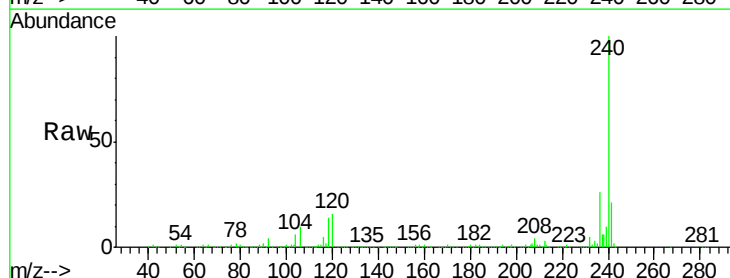
RT: 21.35 min Scan# 3176

Delta R.T. 0.01 min

Lab File: BG016031.D

Acq: 20 Feb 2015 10:24

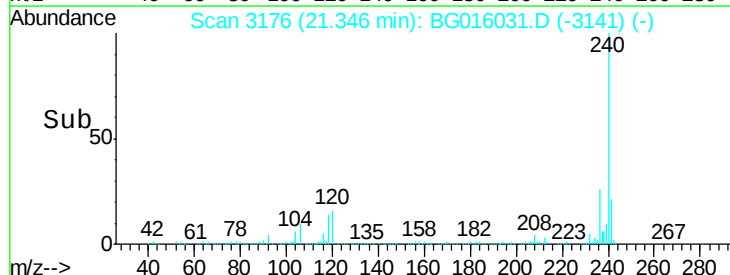
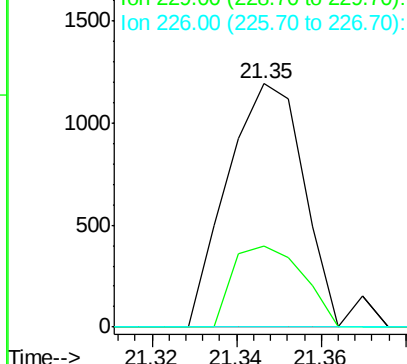
Tgt Ion:	228	Resp:	1492
Ion	Ratio	Lower	Upper
228	100		
229	33.2	16.4	24.6#
226	0.0	22.8	34.2#

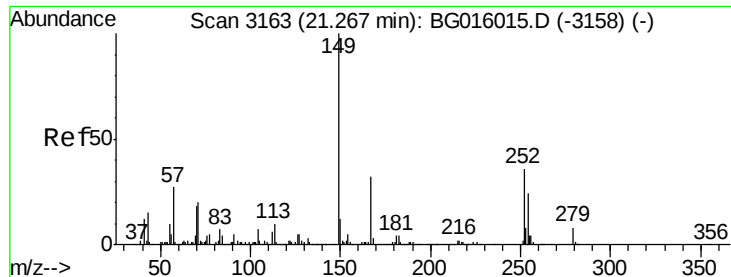


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 0.04 ng/ul

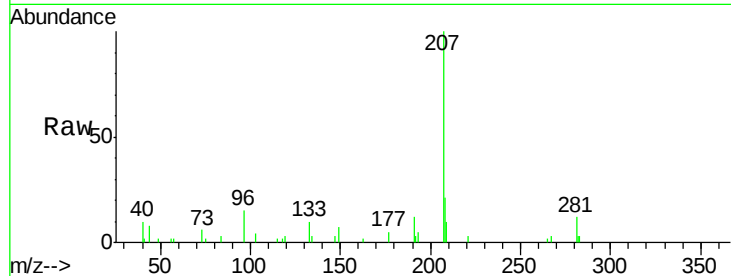
RT: 21.28 min Scan# 3165

Delta R.T. 0.01 min

Lab File: BG016031.D

Acq: 20 Feb 2015 10:24

Tgt Ion:	149	Resp:	691
Ion Ratio	Lower	Upper	
149	100		
167	0.0	25.5	38.3#
279	0.0	6.0	9.0#

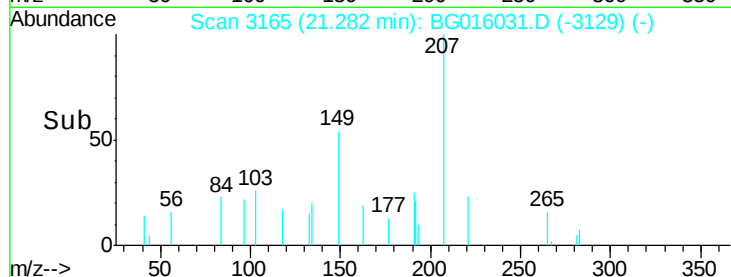


Abundance Ion 149.00 (148.70 to 149.70): E

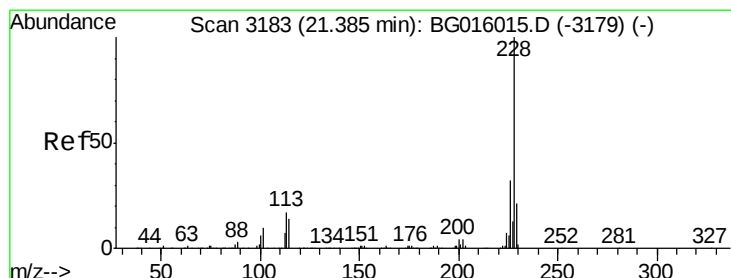
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

21.28



Time-->



#82

Chrysene

Concen: 0.00 ng/ul

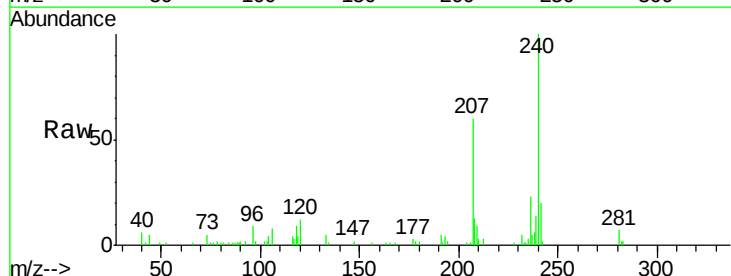
RT: 21.37 min Scan# 3180

Delta R.T. -0.02 min

Lab File: BG016031.D

Acq: 20 Feb 2015 10:24

Tgt Ion:	228	Resp:	55
Ion Ratio	Lower	Upper	
228	100		
226	0.0	24.7	37.1#
229	0.0	17.0	25.6#

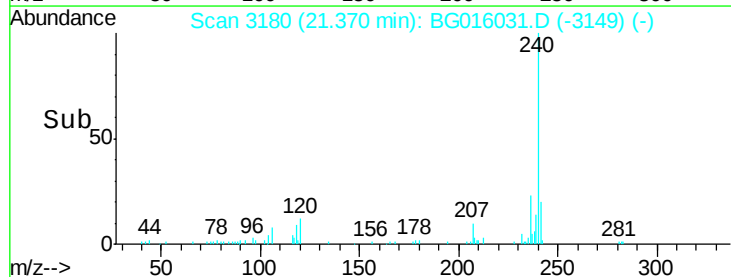


Abundance Ion 228.00 (227.70 to 228.70): E

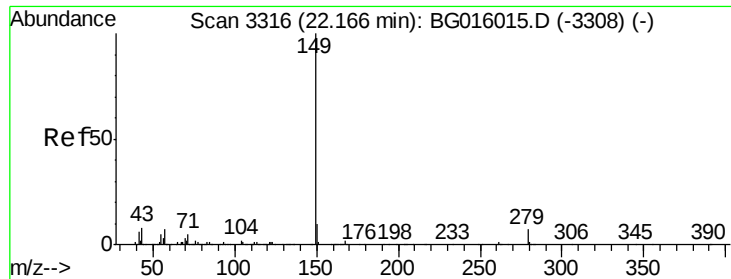
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

21.37



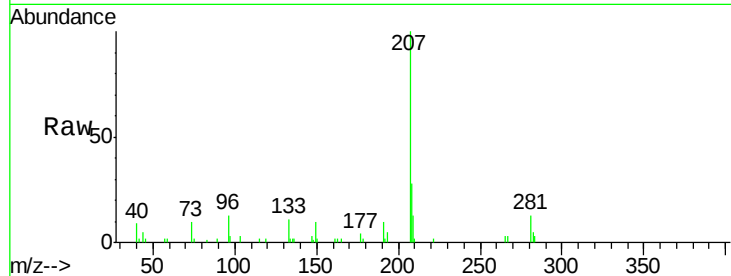
Time-->



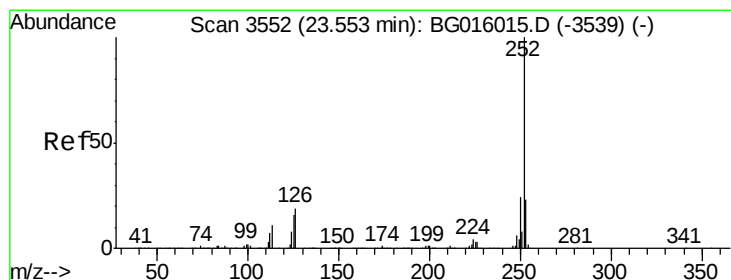
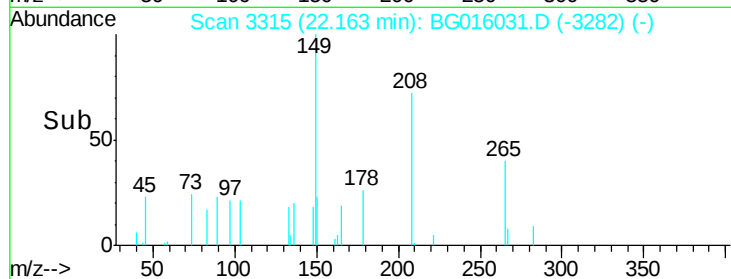
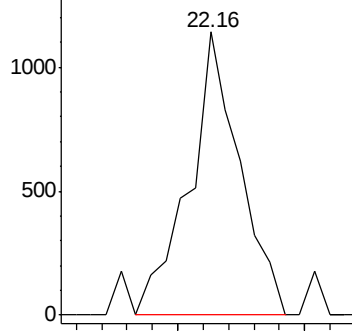
#84

Di-n-octyl phthalate
Concen: 0.06 ng/ul
RT: 22.16 min Scan# 3315
Delta R.T. -0.00 min
Lab File: BG016031.D
Acq: 20 Feb 2015 10:24

Tgt Ion:149 Resp: 1585



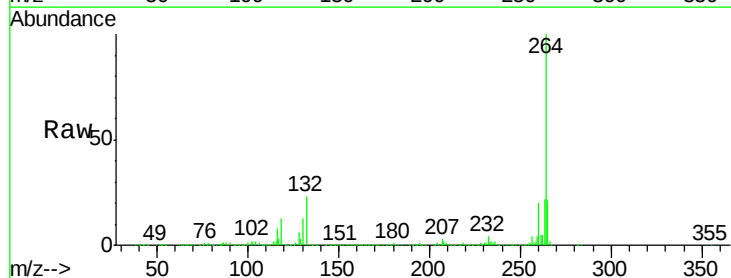
Abundance Ion 149.00 (148.70 to 149.70): E



#88

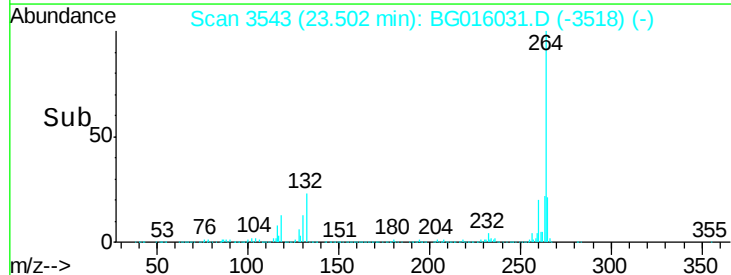
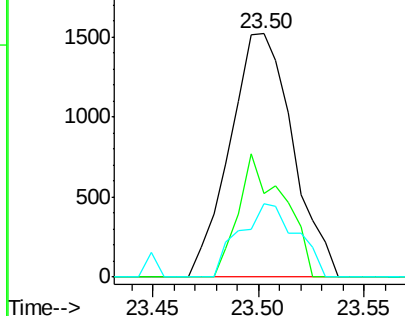
Benzo(a)pyrene
Concen: 0.11 ng/ul
RT: 23.50 min Scan# 3543
Delta R.T. -0.05 min
Lab File: BG016031.D
Acq: 20 Feb 2015 10:24

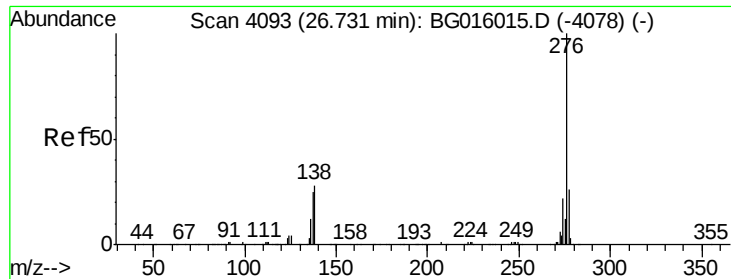
Tgt Ion:252 Resp: 3128
Ion Ratio Lower Upper
252 100
253 34.5 17.9 26.9#
125 29.9 13.2 19.8#



Abundance Ion 252.00 (251.70 to 252.70): E

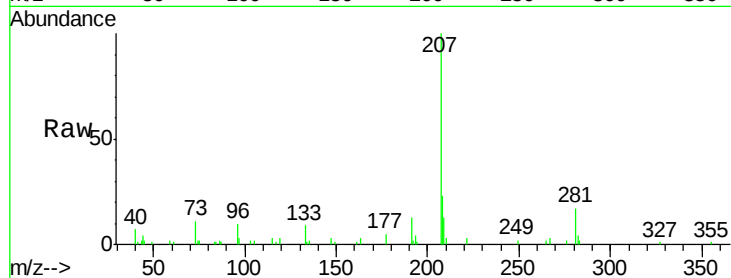
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(g,h,i)perylene
 Concen: 0.01 ng/ul
 RT: 26.73 min Scan# 4093
 Delta R.T. 0.00 min
 Lab File: BG016031.D
 Acq: 20 Feb 2015 10:24

Tgt Ion:	276	Resp:	230
Ion Ratio	Lower	Upper	
276	100		
138	0.0	23.0	34.4#
277	0.0	20.0	30.0#



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

