

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG102315\
 Data File : BG019341.D
 Acq On : 24 Oct 2015 18:29
 Operator : UM/NP
 Sample : G4058-09MS
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E5LR8MS

Quant Time: Oct 25 03:29:35 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102315.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Oct 25 03:28:11 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	42788	20.00	ng/ul	0.00
18) Naphthalene-d8	11.07	136	177026	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.86	164	145475	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.60	188	374191	20.00	ng/ul	0.00
78) Chrysene-d12	21.89	240	461262	20.00	ng/ul	0.00
86) Perylene-d12	25.29	264	439852	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.57	96	2421	3.14	ng/uL	0.00
5) Phenol-d5	7.37	99	71450	18.98	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	46682	20.76	ng/ul	0.00
9) 2-Chlorophenol-d4	7.76	132	45821	18.85	ng/ul	0.00
13) 4-Methylphenol-d8	8.93	113	55019	18.74	ng/ul	0.00
19) Nitrobenzene-d5	9.41	128	25042	18.63	ng/ul	0.00
22) 2-Nitrophenol-d4	10.13	143	29436	19.17	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	57613	17.20	ng/ul	0.00
29) 4-Chloroaniline-d4	11.19	131	6641	2.00	ng/ul	0.00
44) Dimethylphthalate-d6	14.25	166	224048	18.58	ng/ul	0.00
47) Acenaphthylene-d8	14.55	160	237445	17.79	ng/ul	0.00
52) 4-Nitrophenol-d4	15.02	143	12872	6.56	ng/ul	0.00
58) Fluorene-d10	15.85	176	194914	17.23	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.95	200	39652	16.10	ng/ul	0.00
71) Anthracene-d10	17.70	188	297698	17.37	ng/ul	0.00
79) Pyrene-d10	19.96	212	322657	15.97	ng/ul	0.00
90) Benzo(a)pyrene-d12	25.05	264	342517	15.26	ng/ul	0.01

Target Compounds

					Qvalue
4) Benzaldehyde	7.37	77	3416	1.46 ng/ul	87
6) Phenol	7.40	94	74891	18.93 ng/ul	96
10) 2-Chlorophenol	7.80	128	44288	17.92 ng/ul	97
15) N-Nitroso-di-n-propylamine	9.04	70	56711	18.71 ng/ul#	88
28) Naphthalene	11.12	128	16123	1.83 ng/ul#	88
33) 4-Chloro-3-methylphenol	12.31	107	72858	17.34 ng/ul	97
34) 2-Methylnaphthalene	12.70	142	15137	2.06 ng/ul	98
35) 1-Methylnaphthalene	12.92	142	11816	1.73 ng/ul#	78
45) Dimethylphthalate	14.30	163	124916	10.37 ng/ul	97
50) Acenaphthene	14.92	153	145360	16.06 ng/ul	98
54) Dibenzofuran	15.25	168	17332	1.26 ng/ul	99
55) 2,4-Dinitrotoluene	15.20	165	62389	16.75 ng/ul#	93
69) Pentachlorophenol	17.24	266	43552	12.71 ng/ul#	84
70) Phenanthrene	17.64	178	89921	4.75 ng/ul	98
72) Anthracene	17.64	178	89921	4.71 ng/ul	97
77) Fluoranthene	19.64	202	119793	4.72 ng/ul#	95
80) Pyrene	19.99	202	437777	16.93 ng/ul#	93
83) Benzo(a)anthracene	21.87	228	85813	3.21 ng/ul#	91
85) Chrysene	21.93	228	100778	4.10 ng/ul	95
88) Benzo(b)fluoranthene	24.19	252	104050	3.87 ng/ul#	95
91) Benzo(a)pyrene	25.12	252	68568	2.75 ng/ul#	77
92) Indeno(1,2,3-cd)pyrene	29.18	276	44216	1.57 ng/ul#	87

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Quant Title : SVOA CALIBRATION
QLast Update : Sun Oct 25 03:28:11 2015
Response via : Initial Calibration

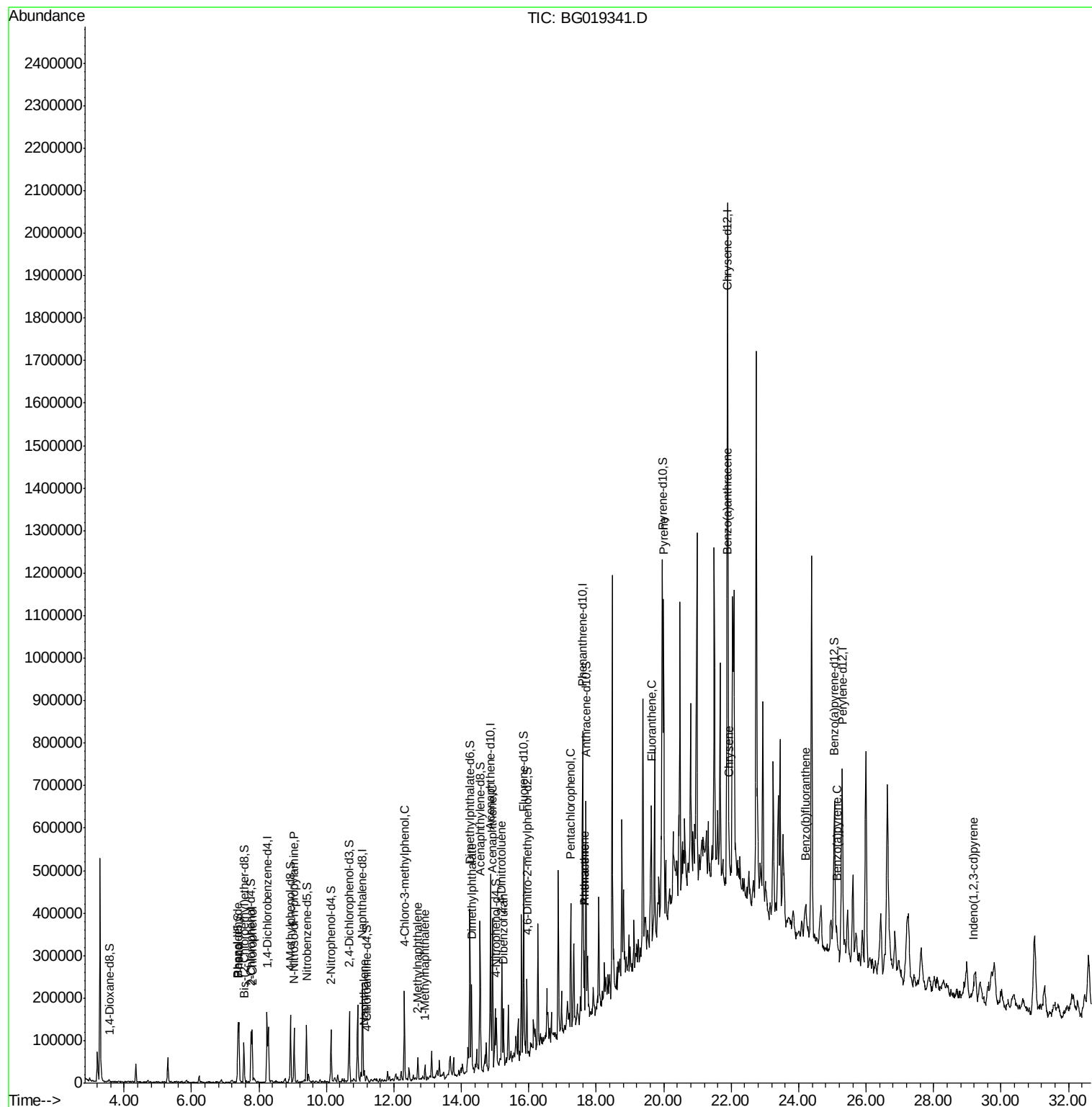
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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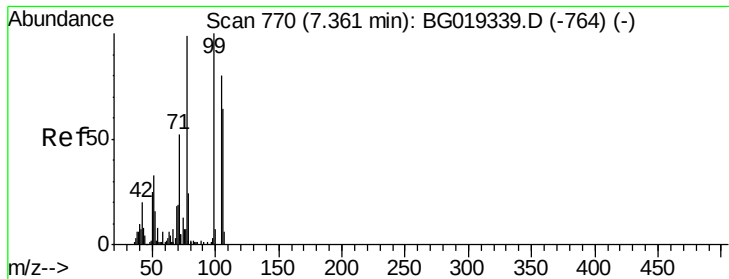
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.46 ng/ul

RT: 7.37 min Scan# 772

Delta R.T. 0.01 min

Lab File: BG019341.D

Acq: 24 Oct 2015 18:29

Instrument :

BNA_G

ClientSampleId :

E5LR8MS

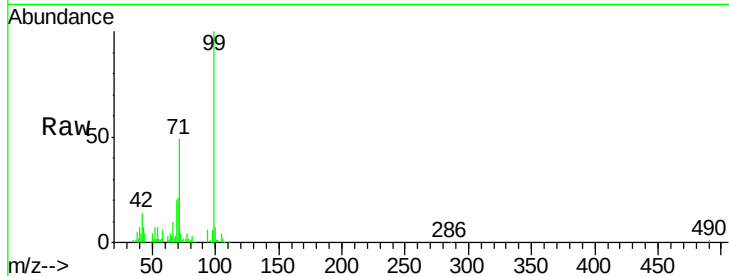
Tgt Ion: 77 Resp: 3416

Ion Ratio Lower Upper

77 100

105 86.3 61.6 92.4

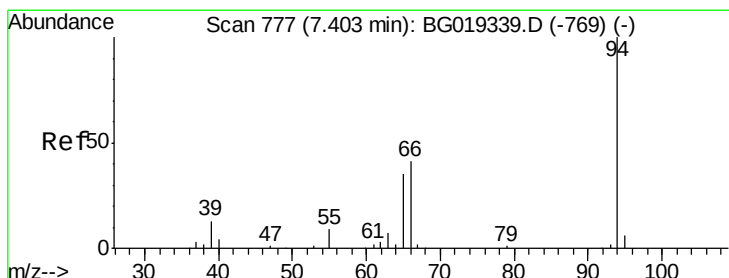
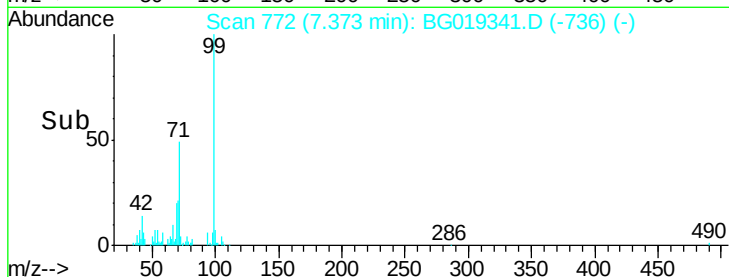
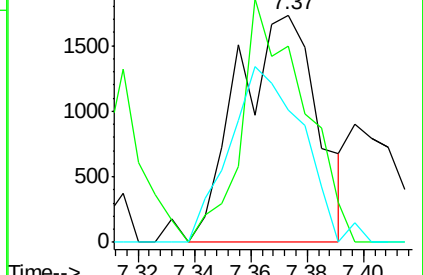
106 58.0 56.4 84.6



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

Phenol

Concen: 18.93 ng/ul

RT: 7.40 min Scan# 777

Delta R.T. 0.00 min

Lab File: BG019341.D

Acq: 24 Oct 2015 18:29

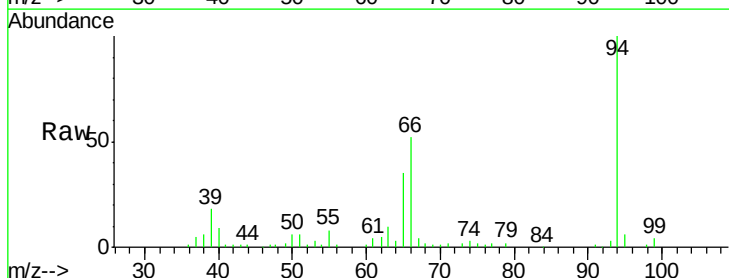
Tgt Ion: 94 Resp: 74891

Ion Ratio Lower Upper

94 100

65 35.3 29.3 43.9

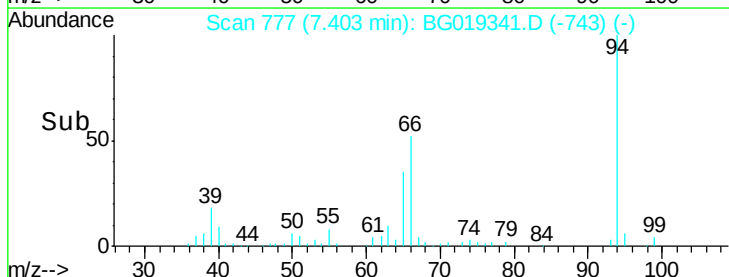
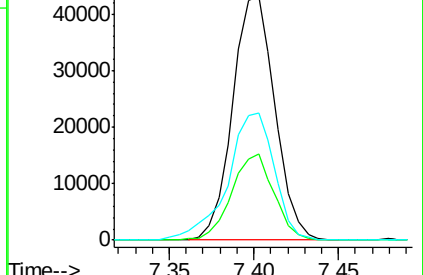
66 52.0 45.0 67.6

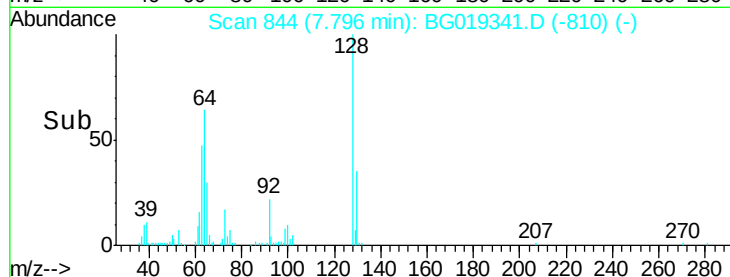
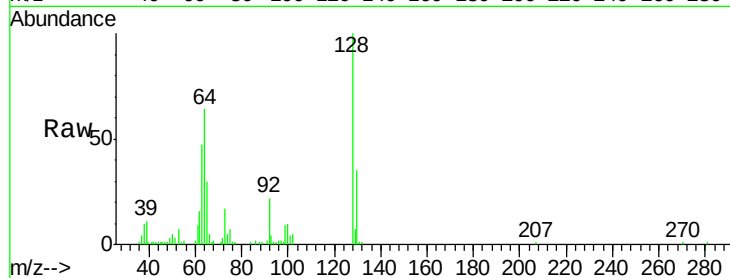
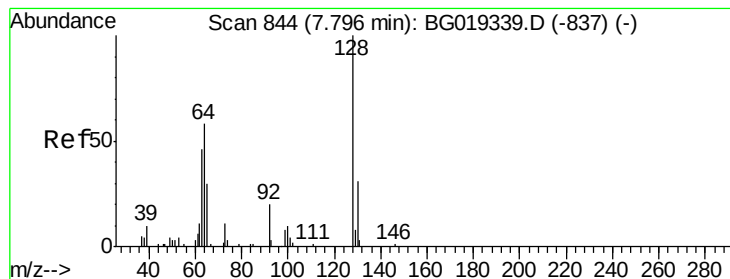


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#10

2-Chlorophenol

Concen: 17.92 ng/ul

RT: 7.80 min Scan# 844

Delta R.T. 0.00 min

Lab File: BG019341.D

Acq: 24 Oct 2015 18:29

Instrument :

BNA_G

ClientSampleId :

E5LR8MS

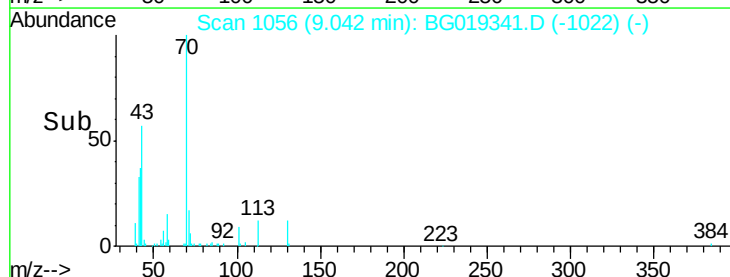
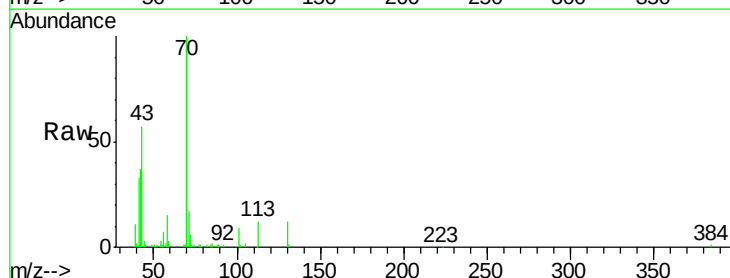
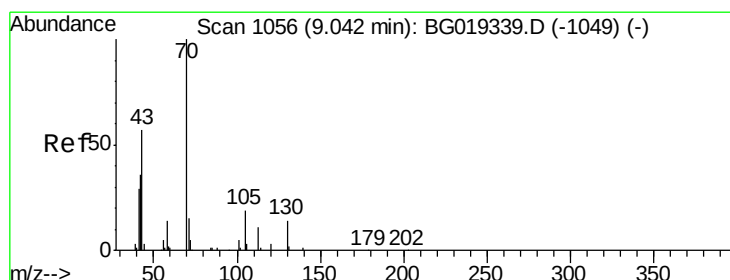
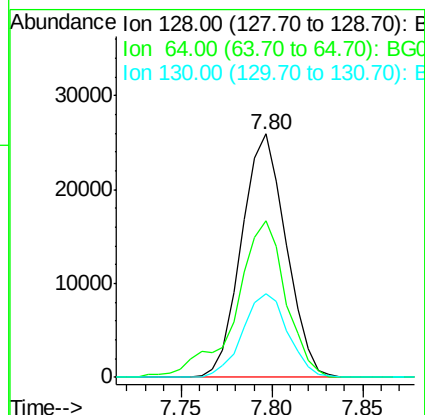
Tgt Ion:128 Resp: 44288

Ion Ratio Lower Upper

128 100

64 64.3 53.2 79.8

130 34.6 25.9 38.9



#15

N-Nitroso-di-n-propylamine

Concen: 18.71 ng/ul

RT: 9.04 min Scan# 1056

Delta R.T. 0.00 min

Lab File: BG019341.D

Acq: 24 Oct 2015 18:29

Tgt Ion: 70 Resp: 56711

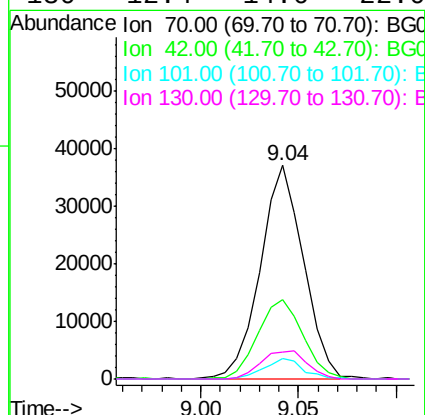
Ion Ratio Lower Upper

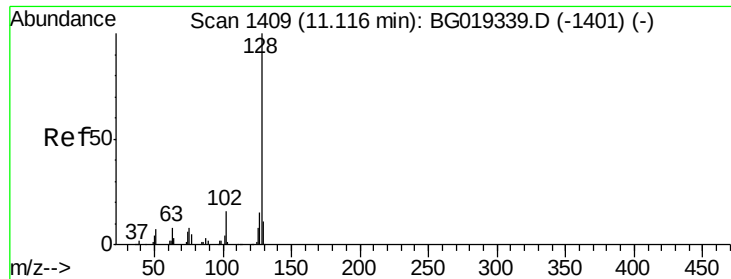
70 100

42 37.3 36.6 55.0

101 9.4 5.8 8.8#

130 12.4 14.6 22.0#

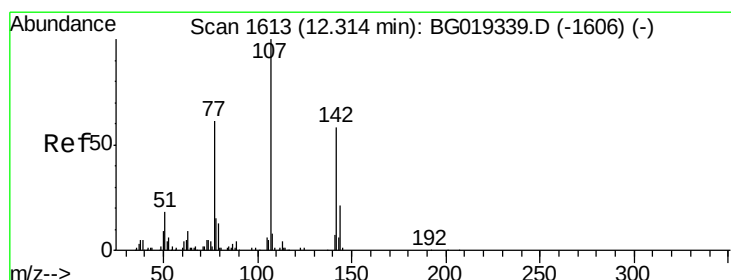
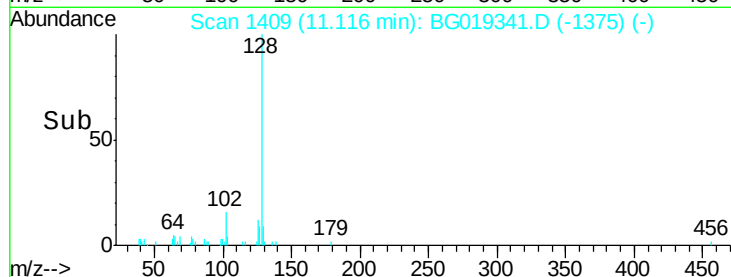
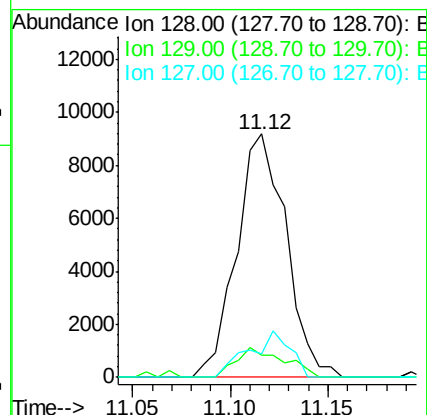
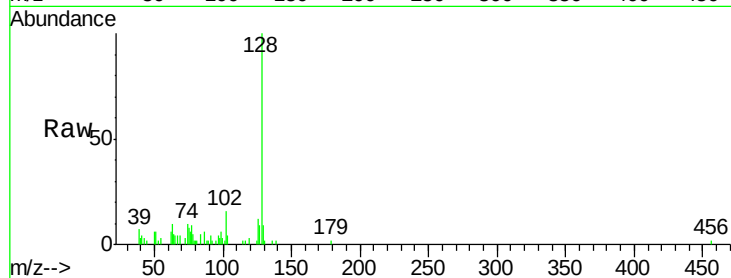




#28
Naphthalene
Concen: 1.83 ng/ul
RT: 11.12 min Scan# 1409
Delta R.T. 0.00 min
Lab File: BG019341.D
Acq: 24 Oct 2015 18:29

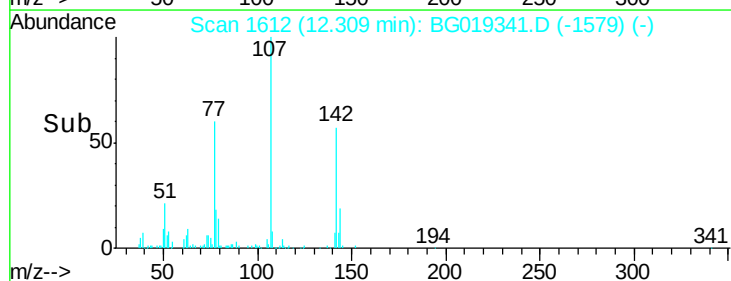
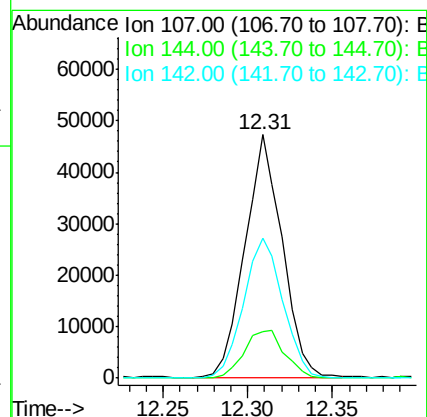
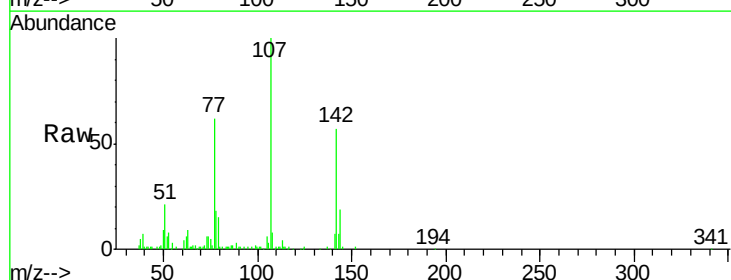
Instrument :
BNA_G
ClientSampleId :
E5LR8MS

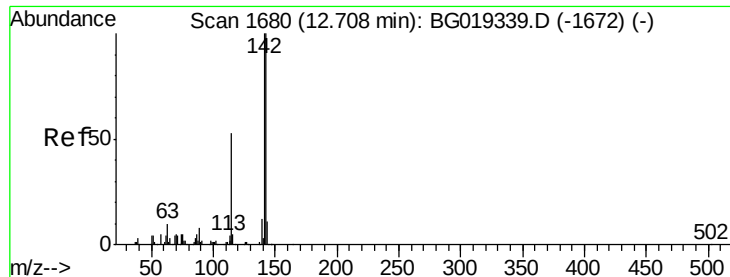
Tgt Ion:128 Resp: 16123
Ion Ratio Lower Upper
128 100
129 8.9 8.9 13.3
127 9.4 13.1 19.7#



#33
4-Chloro-3-methylphenol
Concen: 17.34 ng/ul
RT: 12.31 min Scan# 1612
Delta R.T. -0.01 min
Lab File: BG019341.D
Acq: 24 Oct 2015 18:29

Tgt Ion:107 Resp: 72858
Ion Ratio Lower Upper
107 100
144 19.1 13.0 19.6
142 57.3 47.0 70.6

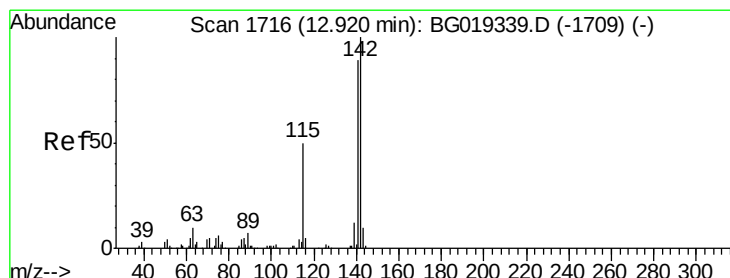
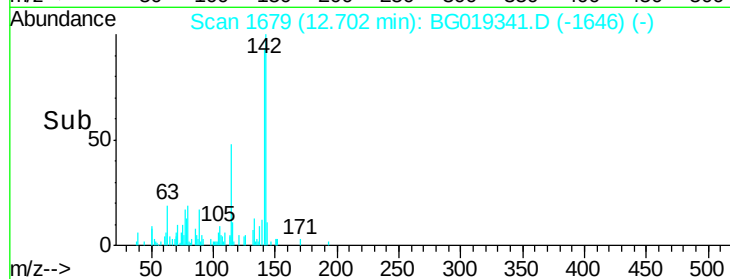
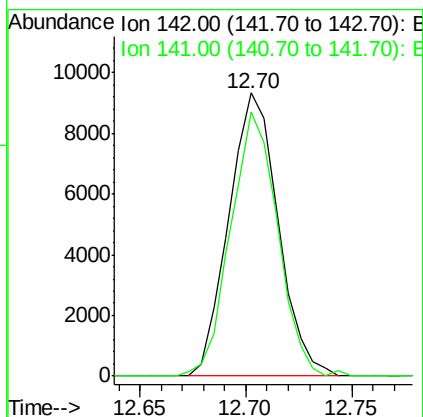
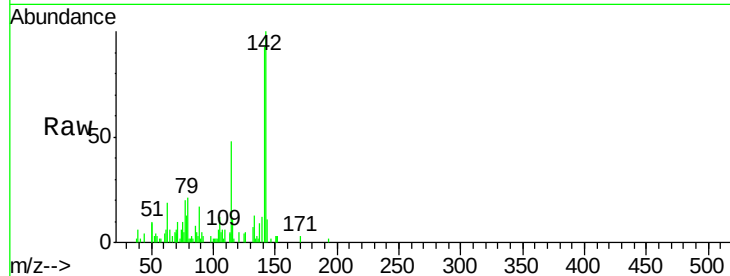




#34
 2-Methylnaphthalene
 Concen: 2.06 ng/ul
 RT: 12.70 min Scan# 1679
 Delta R.T. -0.01 min
 Lab File: BG019341.D
 Acq: 24 Oct 2015 18:29

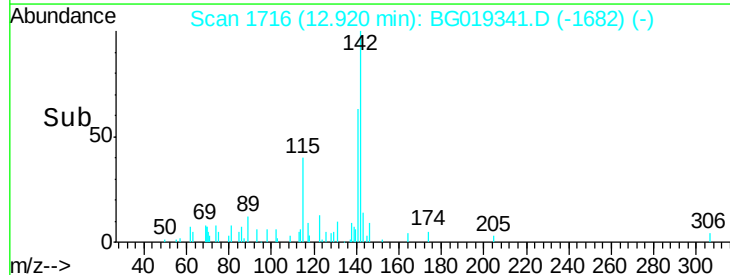
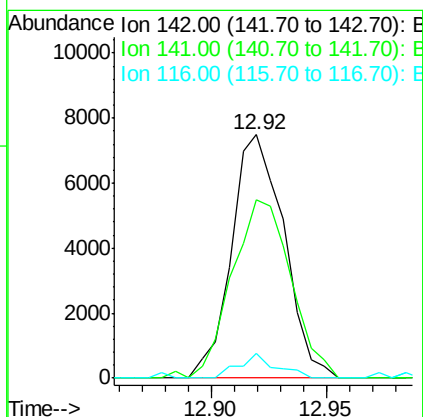
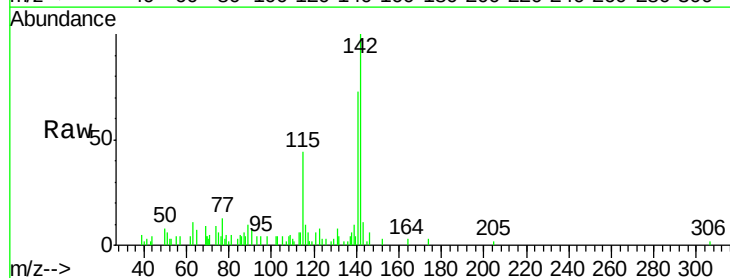
Instrument :
 BNA_G
 ClientSampleId :
 E5LR8MS

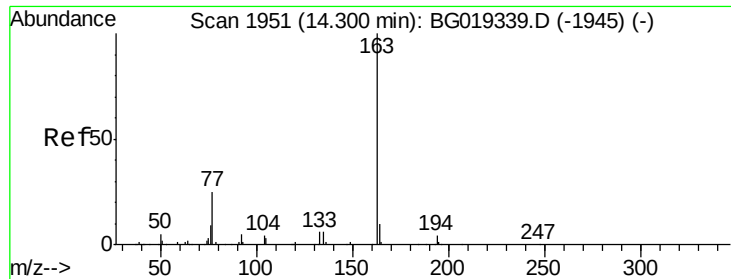
Tgt Ion:142 Resp: 15137
 Ion Ratio Lower Upper
 142 100
 141 93.3 73.4 110.2



#35
 1-Methylnaphthalene
 Concen: 1.73 ng/ul
 RT: 12.92 min Scan# 1716
 Delta R.T. 0.00 min
 Lab File: BG019341.D
 Acq: 24 Oct 2015 18:29

Tgt Ion:142 Resp: 11816
 Ion Ratio Lower Upper
 142 100
 141 73.3 76.5 114.7#
 116 9.9 5.4 8.0#

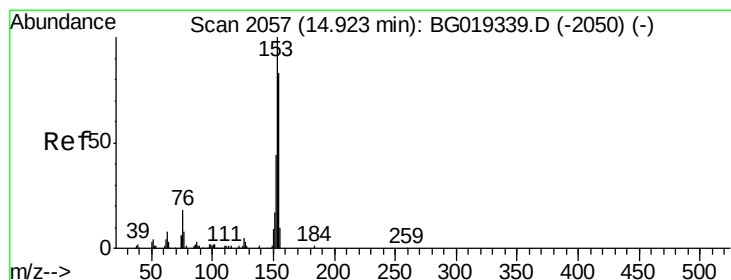
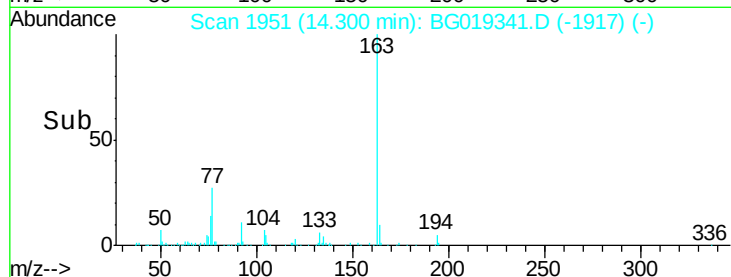
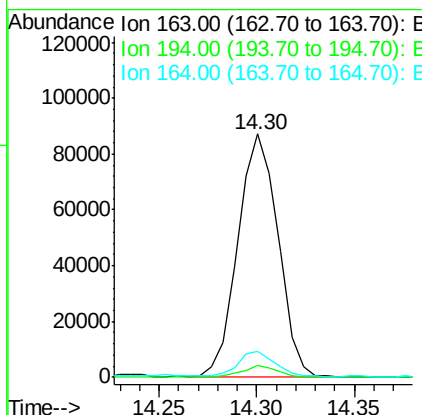
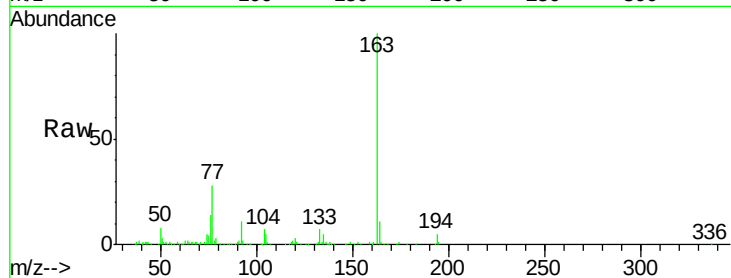




#45
Dimethylphthalate
Concen: 10.37 ng/ul
RT: 14.30 min Scan# 1951
Delta R.T. 0.00 min
Lab File: BG019341.D
Acq: 24 Oct 2015 18:29

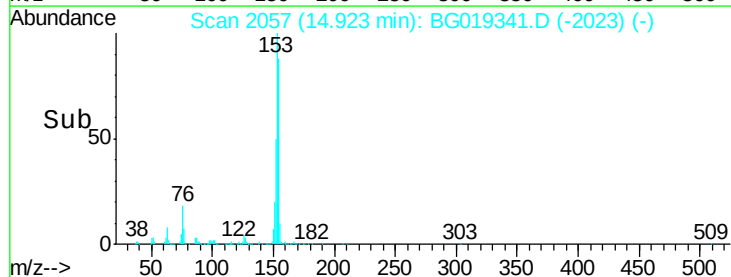
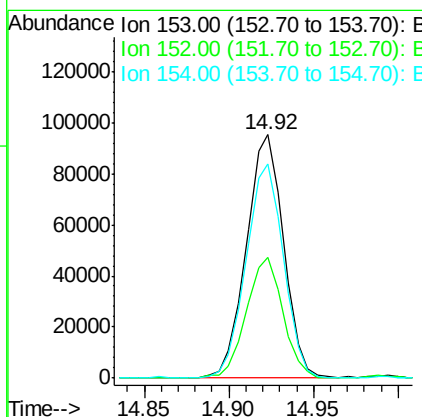
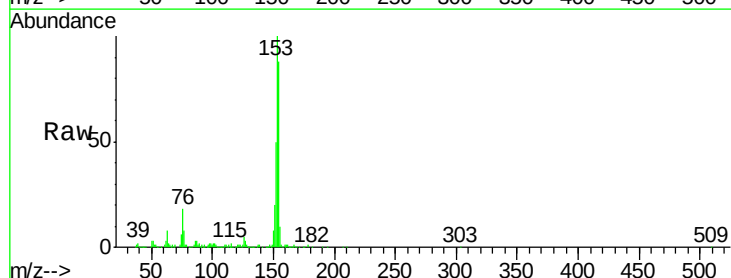
Instrument :
BNA_G
ClientSampleId :
E5LR8MS

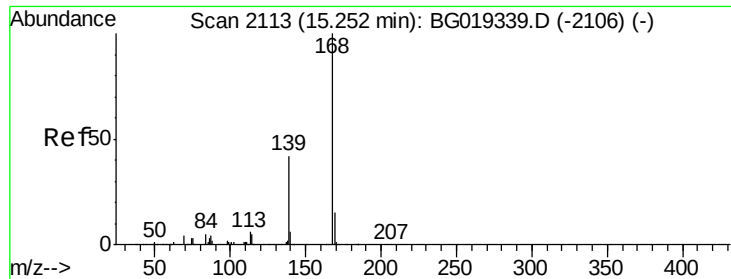
Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.8	4.3	6.5
164	10.9	7.5	11.3



#50
Acenaphthene
Concen: 16.06 ng/ul
RT: 14.92 min Scan# 2057
Delta R.T. 0.00 min
Lab File: BG019341.D
Acq: 24 Oct 2015 18:29

Tgt Ion	Ratio	Lower	Upper
153	100		
152	49.7	38.8	58.2
154	88.0	71.5	107.3





#54

Dibenzenofuran

Concen: 1.26 ng/ul

RT: 15.25 min Scan# 2113

Delta R.T. 0.00 min

Lab File: BG019341.D

Acq: 24 Oct 2015 18:29

Instrument :

BNA_G

ClientSampleId :

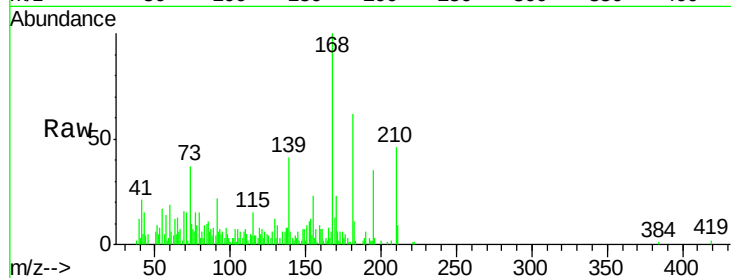
E5LR8MS

Tgt Ion:168 Resp: 17332

Ion Ratio Lower Upper

168 100

139 41.0 32.4 48.6



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

15.25

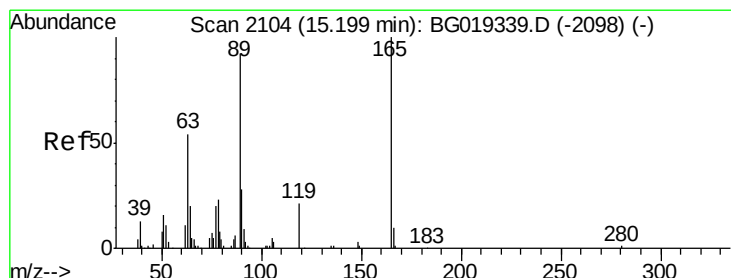
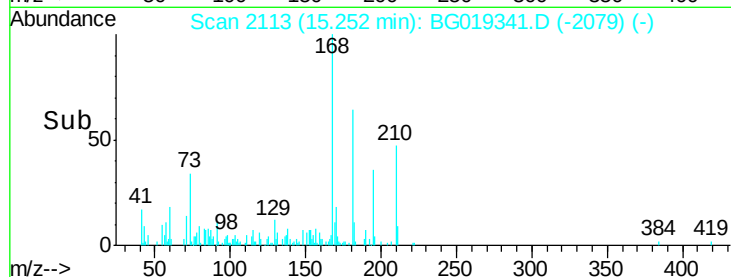
10000

5000

0

15.20 15.25 15.30

Time-->



#55

2,4-Dinitrotoluene

Concen: 16.75 ng/ul

RT: 15.20 min Scan# 2104

Delta R.T. 0.00 min

Lab File: BG019341.D

Acq: 24 Oct 2015 18:29

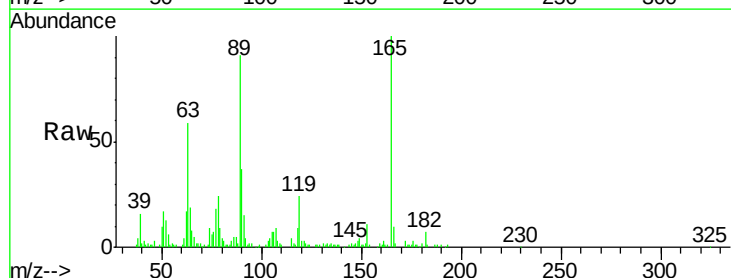
Tgt Ion:165 Resp: 62389

Ion Ratio Lower Upper

165 100

63 58.5 51.1 76.7

182 7.0 3.3 4.9#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 182.00 (181.70 to 182.70): E

15.20

50000

40000

30000

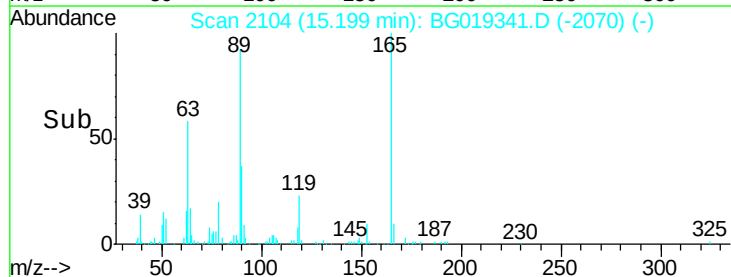
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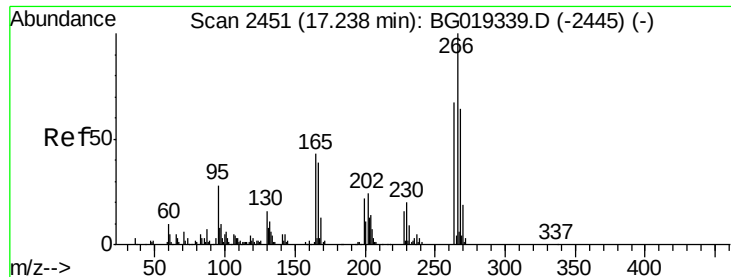
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0

15.15 15.20 15.25

Time-->

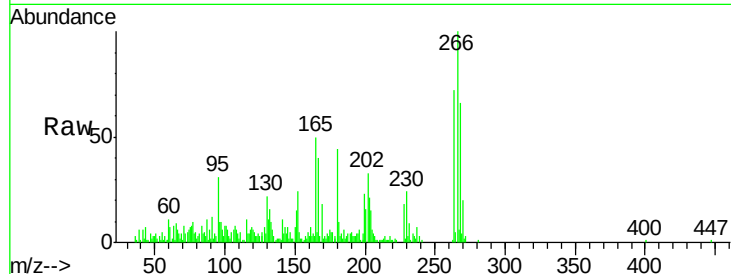




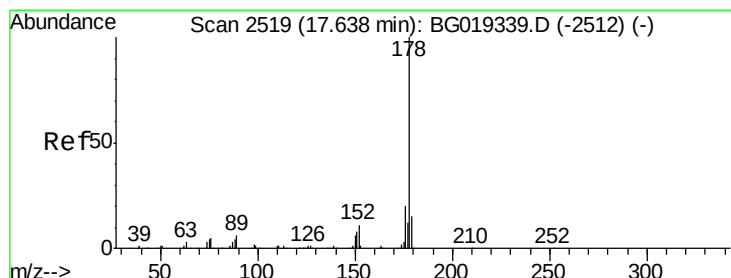
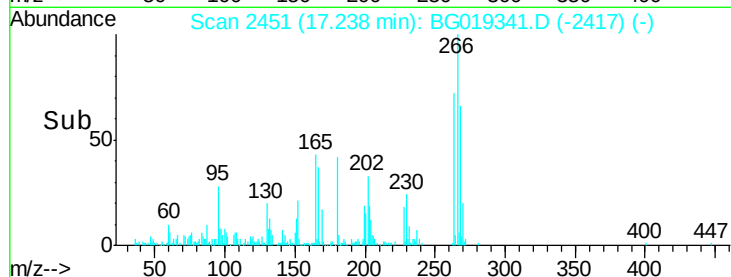
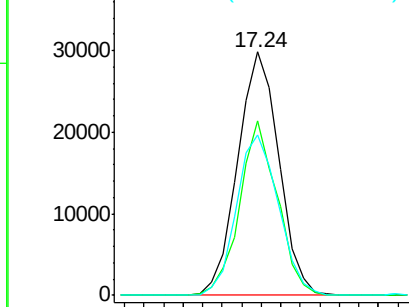
#69
 Pentachlorophenol
 Concen: 12.71 ng/ul
 RT: 17.24 min Scan# 2451
 Delta R.T. 0.00 min
 Lab File: BG019341.D
 Acq: 24 Oct 2015 18:29

Instrument :
 BNA_G
 ClientSampleId :
 E5LR8MS

Tgt Ion	Ratio	Lower	Upper
266	100		
264	76.7	49.5	74.3
268	70.1	48.7	73.1

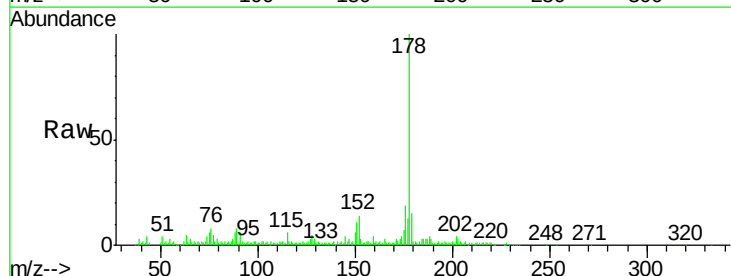


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

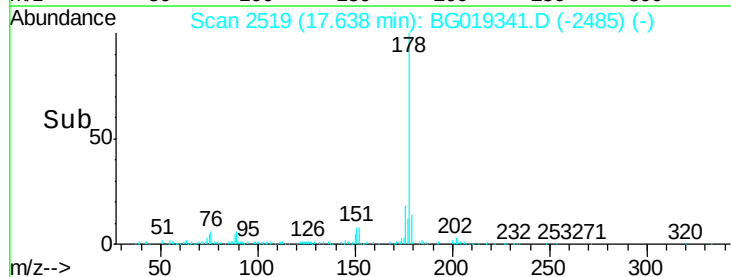
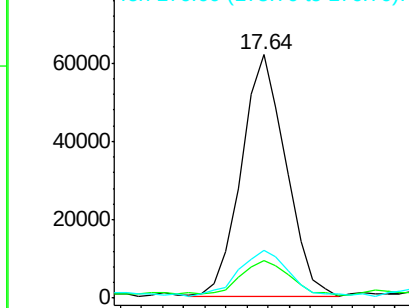


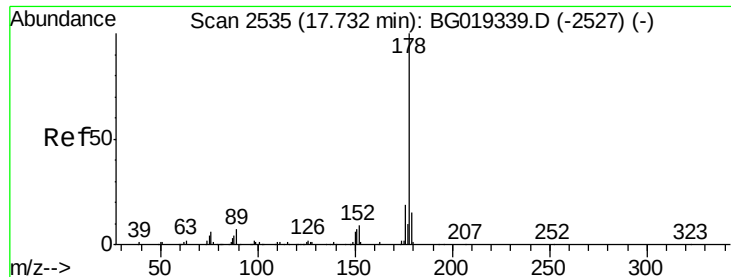
#70
 Phenanthrene
 Concen: 4.75 ng/ul
 RT: 17.64 min Scan# 2519
 Delta R.T. 0.00 min
 Lab File: BG019341.D
 Acq: 24 Oct 2015 18:29

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.6	18.8
176	19.5	14.3	21.5



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





#72

Anthracene

Concen: 4.71 ng/ul

RT: 17.64 min Scan# 2519

Delta R.T. -0.09 min

Lab File: BG019341.D

Acq: 24 Oct 2015 18:29

Instrument :

BNA_G

ClientSampleId :

E5LR8MS

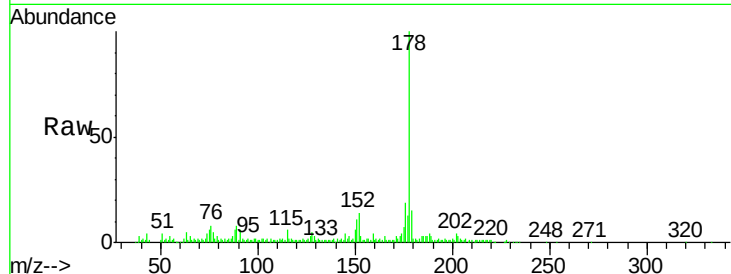
Tgt Ion:178 Resp: 89921

Ion Ratio Lower Upper

178 100

179 15.4 11.6 17.4

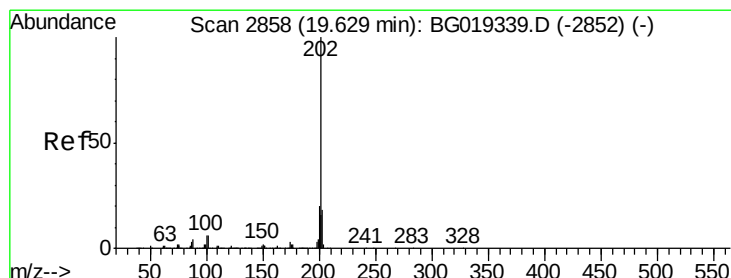
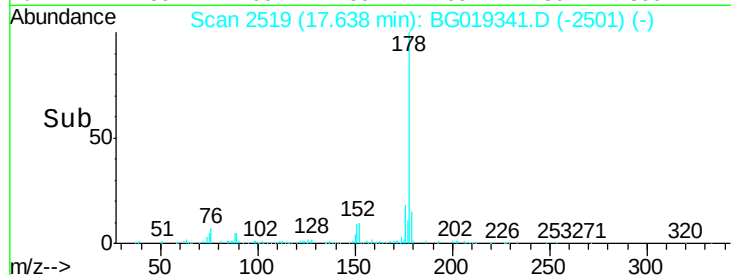
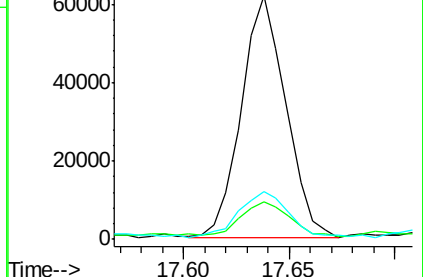
176 19.5 14.2 21.4



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



#77

Fluoranthene

Concen: 4.72 ng/ul

RT: 19.64 min Scan# 2859

Delta R.T. 0.01 min

Lab File: BG019341.D

Acq: 24 Oct 2015 18:29

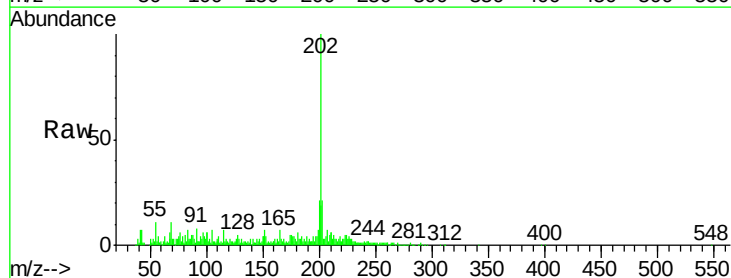
Tgt Ion:202 Resp: 119793

Ion Ratio Lower Upper

202 100

101 6.4 4.0 6.0#

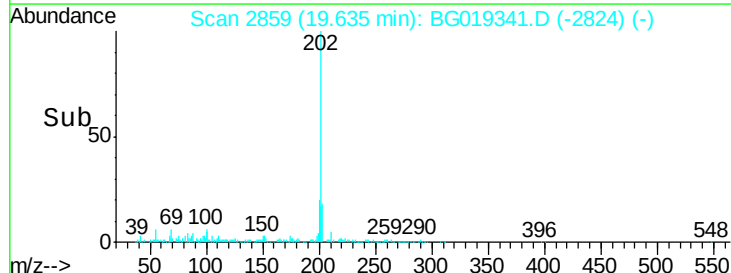
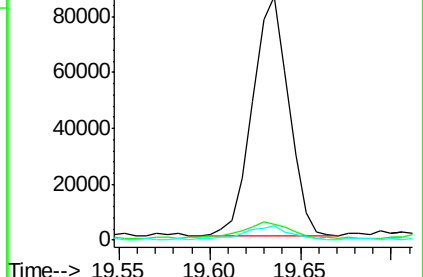
100 6.1 3.6 5.4#

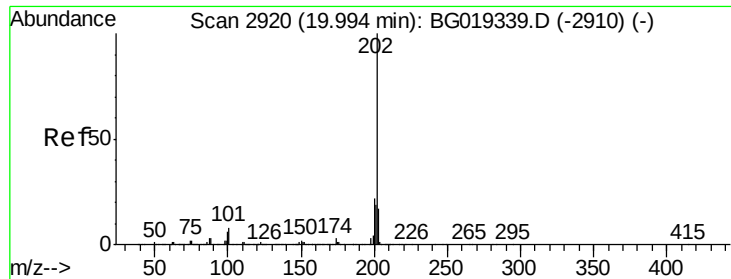


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

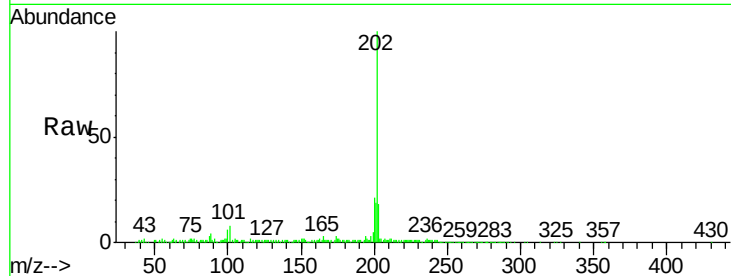




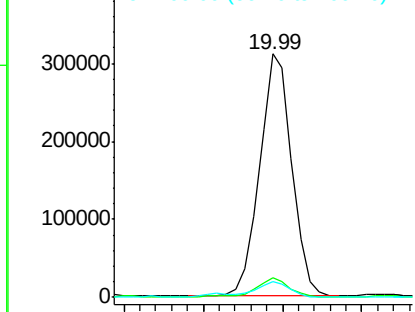
#80
 Pyrene
 Concen: 16.93 ng/ul
 RT: 19.99 min Scan# 2920
 Delta R.T. 0.00 min
 Lab File: BG019341.D
 Acq: 24 Oct 2015 18:29

Instrument :
 BNA_G
 ClientSampleId :
 E5LR8MS

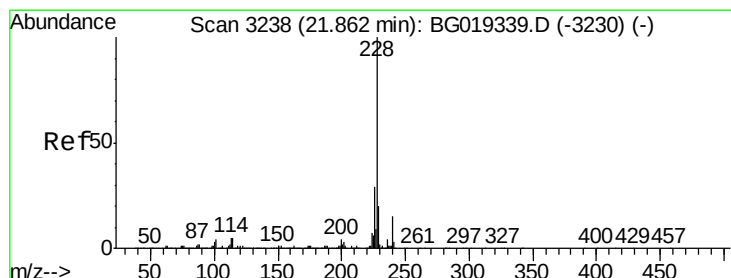
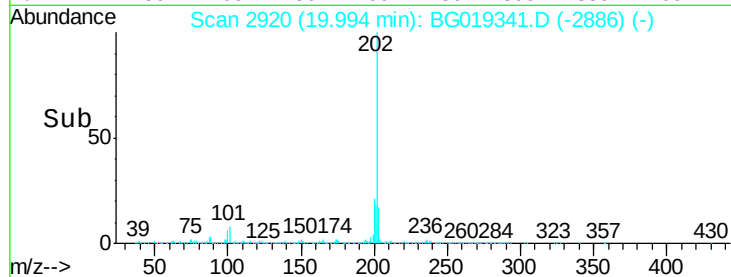
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.0	4.3	6.5#
100	6.3	3.6	5.4#



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): E

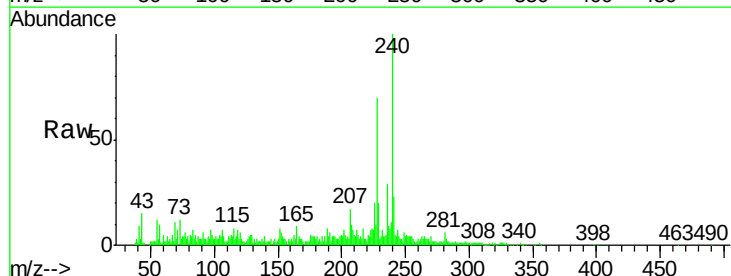


Time--> 19.90 19.95 20.00 20.05

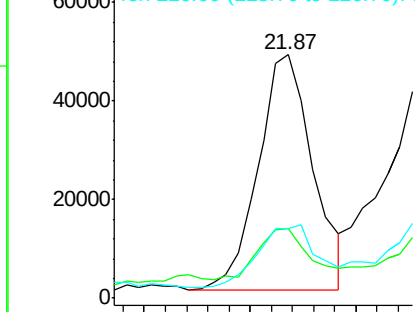


#83
 Benzo(a)anthracene
 Concen: 3.21 ng/ul
 RT: 21.87 min Scan# 3239
 Delta R.T. 0.01 min
 Lab File: BG019341.D
 Acq: 24 Oct 2015 18:29

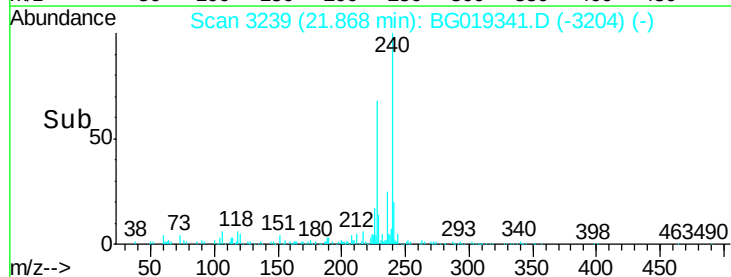
Tgt Ion	Ratio	Lower	Upper
228	100		
229	28.3	15.8	23.8#
226	28.6	21.8	32.6

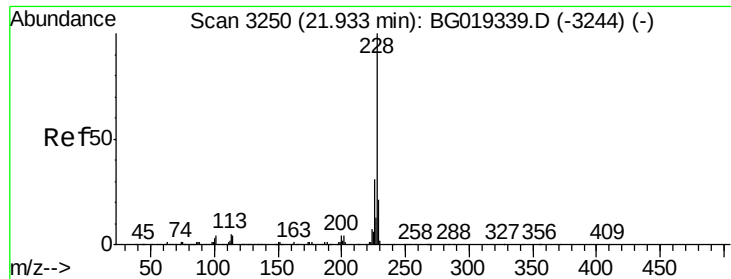


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 229.00 (228.70 to 229.70): E
 Ion 226.00 (225.70 to 226.70): E



Time--> 21.80 21.85 21.90





#85

Chrysene

Concen: 4.10 ng/ul

RT: 21.93 min Scan# 3250

Delta R.T. 0.00 min

Lab File: BG019341.D

Acq: 24 Oct 2015 18:29

Instrument :

BNA_G

ClientSampleId :

E5LR8MS

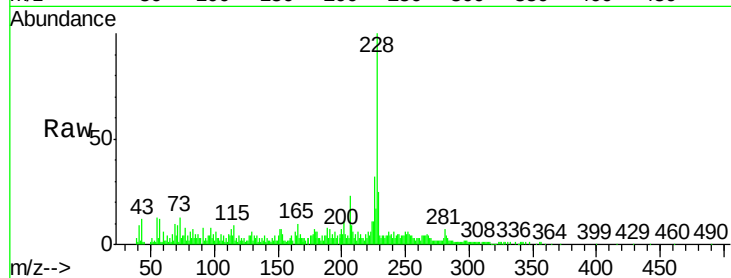
Tgt Ion:228 Resp: 100778

Ion Ratio Lower Upper

228 100

226 32.5 24.6 36.8

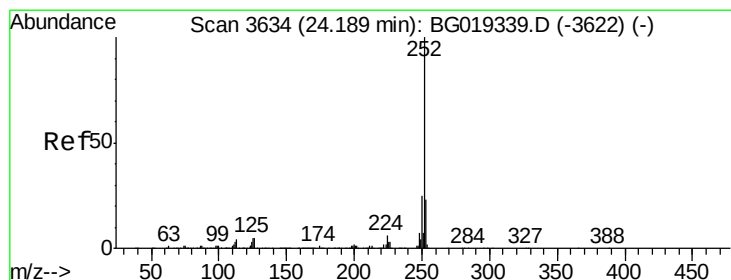
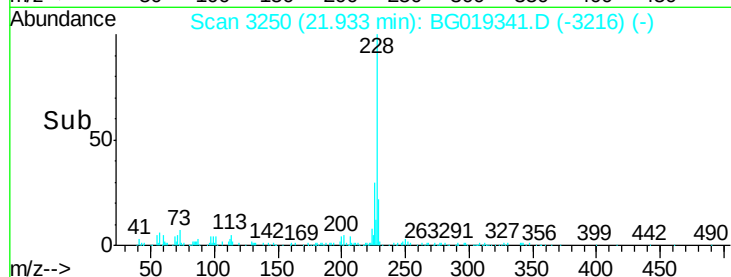
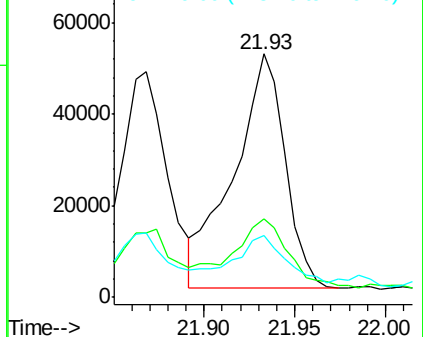
229 25.3 17.3 25.9



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



#88

Benzo(b)fluoranthene

Concen: 3.87 ng/ul

RT: 24.19 min Scan# 3635

Delta R.T. 0.01 min

Lab File: BG019341.D

Acq: 24 Oct 2015 18:29

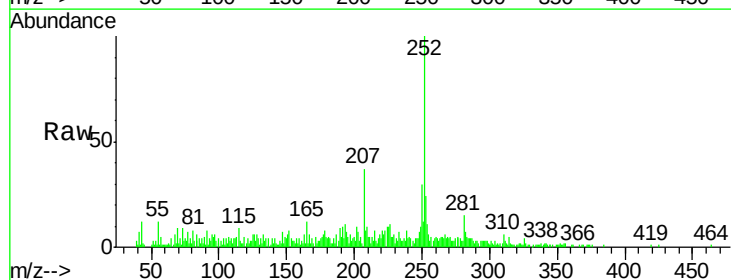
Tgt Ion:252 Resp: 104050

Ion Ratio Lower Upper

252 100

253 23.8 17.1 25.7

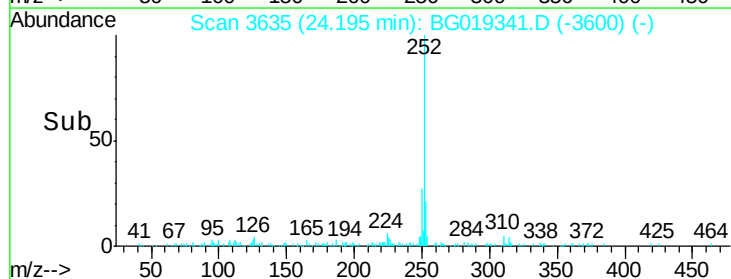
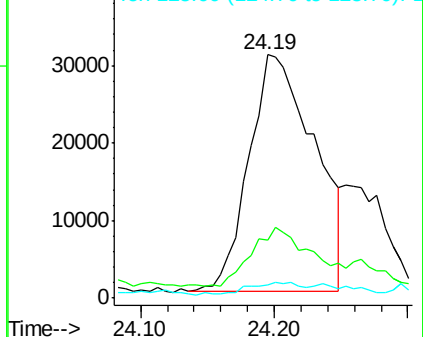
125 5.5 2.5 3.7#

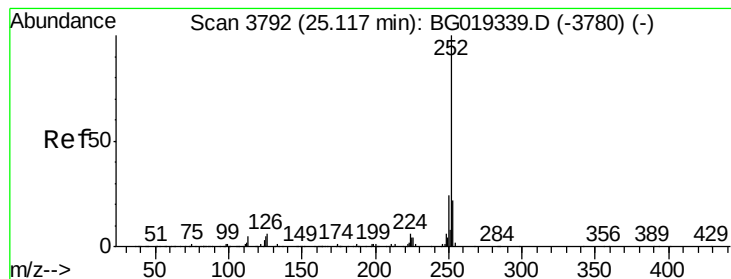


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 2.75 ng/ul

RT: 25.12 min Scan# 3793

Delta R.T. 0.01 min

Lab File: BG019341.D

Acq: 24 Oct 2015 18:29

Instrument :

BNA_G

ClientSampleId :

E5LR8MS

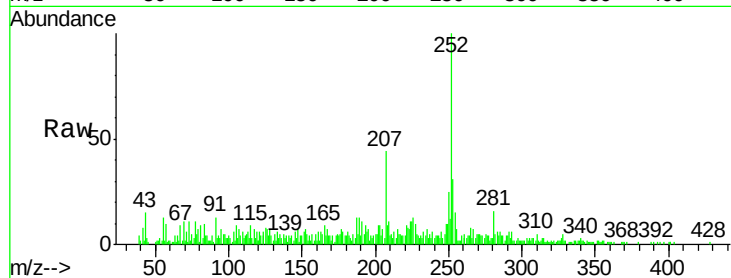
Tgt Ion:252 Resp: 68568

Ion Ratio Lower Upper

252 100

253 31.3 16.0 24.0#

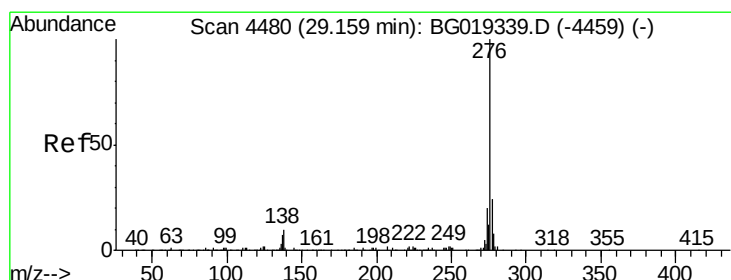
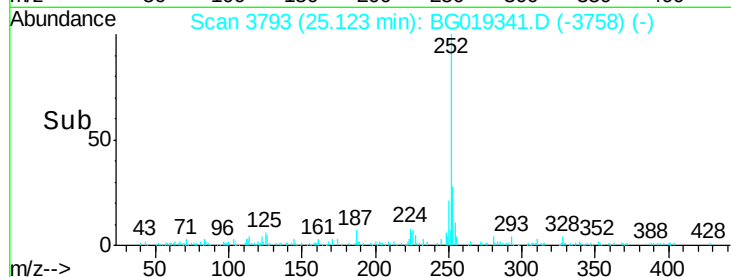
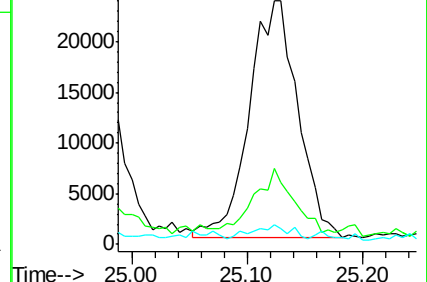
125 8.3 3.3 4.9#



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 1.57 ng/ul

RT: 29.18 min Scan# 4483

Delta R.T. 0.02 min

Lab File: BG019341.D

Acq: 24 Oct 2015 18:29

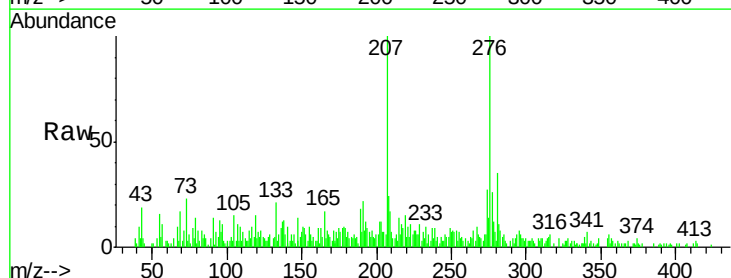
Tgt Ion:276 Resp: 44216

Ion Ratio Lower Upper

276 100

138 18.9 6.2 9.4#

277 25.6 17.9 26.9



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

