

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
 Data File : BM010518.D
 Acq On : 11 Jun 2017 10:46
 Operator : SJ/MA
 Sample : I3522-12
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5C33

Quant Time: Jun 12 09:08:59 2017
 Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 12 09:00:46 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	142318	20.00	ng/ul	0.00
18) Naphthalene-d8	10.69	136	531745	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.53	164	385371	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.28	188	1000016	20.00	ng/ul	0.00
75) Chrysene-d12	21.44	240	1469407	20.00	ng/ul	0.00
83) Perylene-d12	23.78	264	1450931	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	11857	3.42	ng/uL	0.00
5) Phenol-d5	7.08	99	177875	16.49	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.23	67	107574	17.75	ng/ul	0.00
9) 2-Chlorophenol-d4	7.43	132	162834	18.94	ng/ul	0.00
13) 4-Methylphenol-d8	8.61	113	155499	17.87	ng/ul	0.00
19) Nitrobenzene-d5	9.08	128	81175	20.84	ng/ul	0.00
22) 2-Nitrophenol-d4	9.79	143	99147	21.97	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.32	165	199173	21.49	ng/ul	0.00
29) 4-Chloroaniline-d4	10.86	131	197906	22.13	ng/ul	0.00
43) Dimethylphthalate-d6	13.95	166	713931	22.30	ng/ul	0.00
46) Acenaphthylene-d8	14.23	160	763713	20.45	ng/ul	0.00
51) 4-Nitrophenol-d4	14.77	143	78271	16.34	ng/ul	0.00
57) Fluorene-d10	15.52	176	613021	21.78	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.65	200	119802	16.91	ng/ul	0.00
70) Anthracene-d10	17.37	188	1050091	21.58	ng/ul	0.00
76) Pyrene-d10	19.66	212	1392074	22.91	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.63	264	1440057	21.32	ng/ul	0.00

Target Compounds

					Qvalue
6) Phenol	7.10	94	27402	2.478 ng/ul	99
16) 4-Methylphenol	8.68	108	16957	1.916 ng/ul	90
24) 2,4-Dimethylphenol	9.87	107	20602	1.852 ng/ul#	82
28) Naphthalene	10.75	128	382779	14.352 ng/ul	97
30) 4-Chloroaniline	10.75	127	49104	5.689 ng/ul#	35
34) 2-Methylnaphthalene	12.35	142	245263	12.129 ng/ul	100
40) 1,1'-Biphenyl	13.36	154	222921	7.131 ng/ul	99
44) Dimethylphthalate	13.99	163	651827	20.700 ng/ul	98
47) Acenaphthylene	14.25	152	38539	1.056 ng/ul#	89
49) Acenaphthene	14.59	153	983302	38.411 ng/ul	99
53) Dibenzofuran	14.93	168	1297042	34.265 ng/ul	97
58) Fluorene	15.57	166	1244512	40.080 ng/ul	98
69) Phenanthrene	17.33	178	8871756	166.181 ng/ul	98
71) Anthracene	17.41	178	832737	14.942 ng/ul	96
72) Carbazole	17.69	167	195829	4.151 ng/ul#	95
74) Fluoranthene	19.33	202	6631330	101.011 ng/ul#	96
77) Pyrene	19.70	202	4256448	56.213 ng/ul#	94
80) Benzo(a)anthracene	21.43	228	1757691	21.212 ng/ul	98
82) Chrysene	21.48	228	1038461	13.864 ng/ul	99
85) Benzo(b)fluoranthene	23.07	252	1217473	14.420 ng/ul	99
86) Benzo(k)fluoranthene	23.07	252	1217473	15.095 ng/ul	99
88) Benzo(a)pyrene	23.57	252	526560	6.292 ng/ul	94
89) Indeno(1,2,3-cd)pyrene	26.15	276	338984	3.206 ng/ul	97

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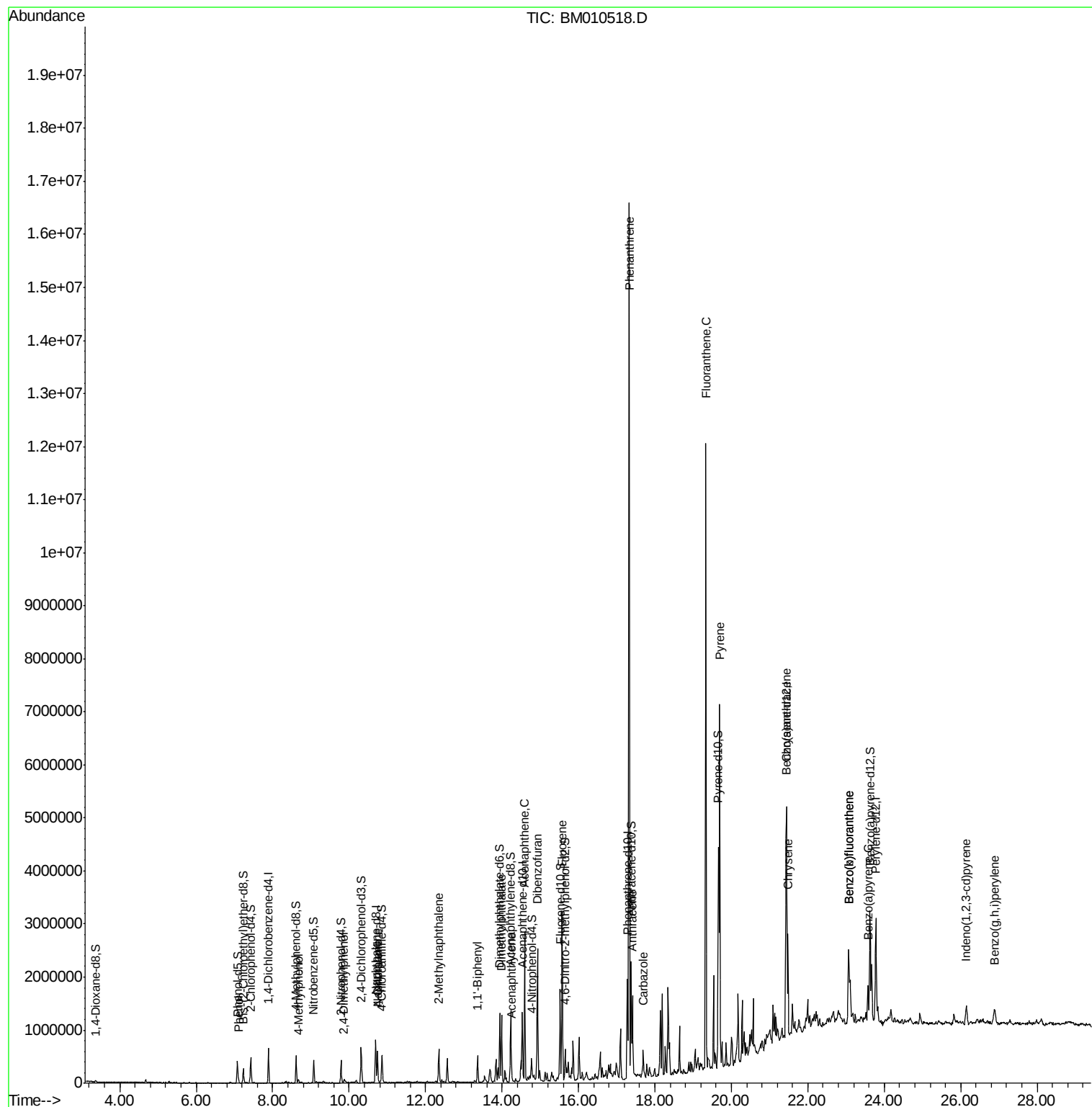
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(g,h,i)perylene	26.90	276	256408	2.944	ng/ul#	95

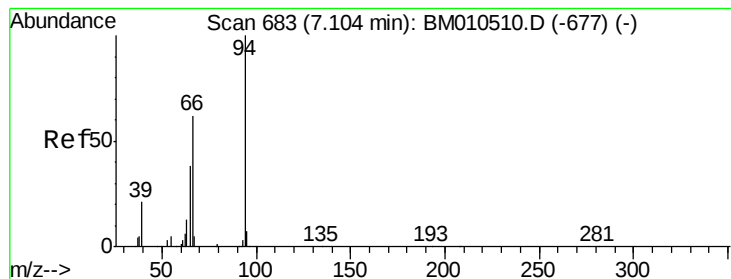
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.478 ng/ul

RT: 7.10 min Scan# 683

Delta R.T. 0.00 min

Lab File: BM010518.D

Acq: 11 Jun 2017 10:46

Instrument :

BNA_M

ClientSampleId :

F5C33

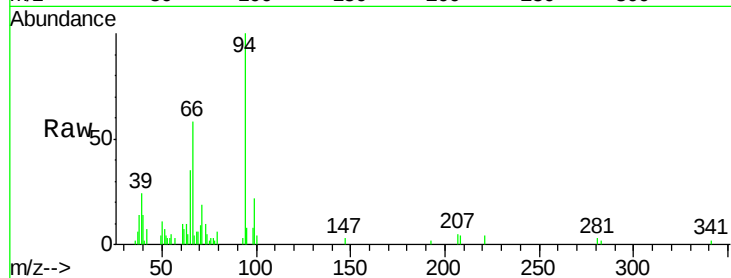
Tgt Ion: 94 Resp: 27402

Ion Ratio Lower Upper

94 100

65 34.8 28.2 42.4

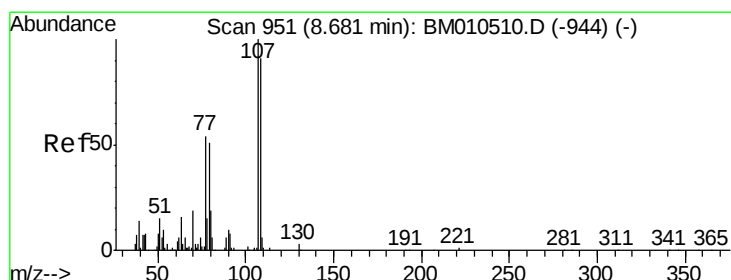
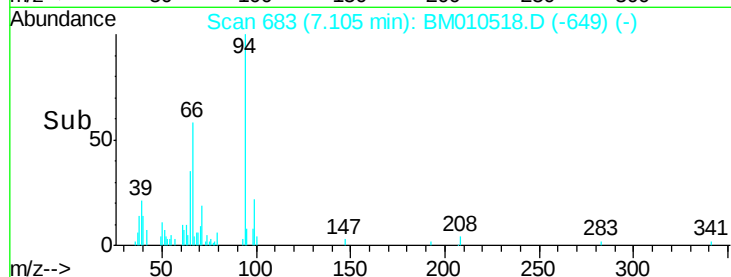
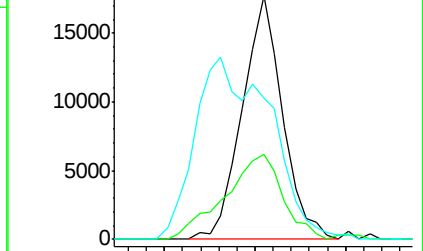
66 57.8 47.2 70.8



Abundance Ion 94.00 (93.70 to 94.70): BM010518.D (-649) (-)

Ion 65.00 (64.70 to 65.70): BM010518.D (-649) (-)

Ion 66.00 (65.70 to 66.70): BM010518.D (-649) (-)



#16

4-Methylphenol

Concen: 1.916 ng/ul

RT: 8.68 min Scan# 951

Delta R.T. 0.00 min

Lab File: BM010518.D

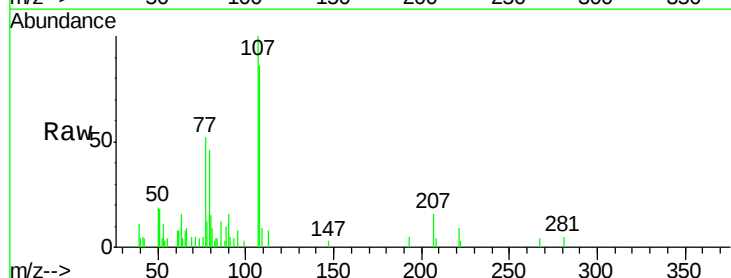
Acq: 11 Jun 2017 10:46

Tgt Ion: 108 Resp: 16957

Ion Ratio Lower Upper

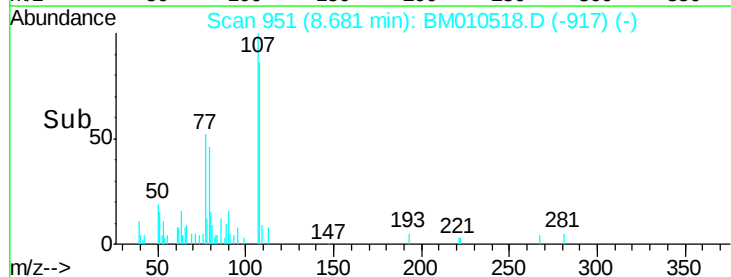
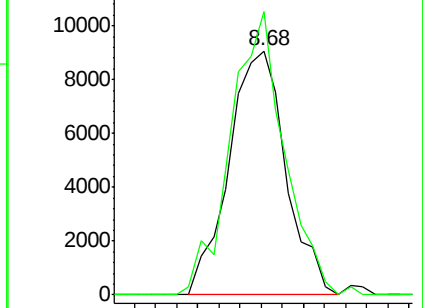
108 100

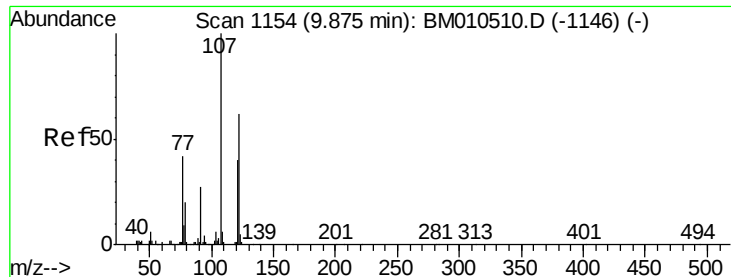
107 116.1 84.9 127.3



Abundance Ion 108.00 (107.70 to 108.70): BM010518.D (-917) (-)

Ion 107.00 (106.70 to 107.70): BM010518.D (-917) (-)





#24

2,4-Dimethylphenol

Concen: 1.852 ng/ul

RT: 9.87 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BM010518.D

Acq: 11 Jun 2017 10:46

Instrument :

BNA_M

ClientSampleId :

F5C33

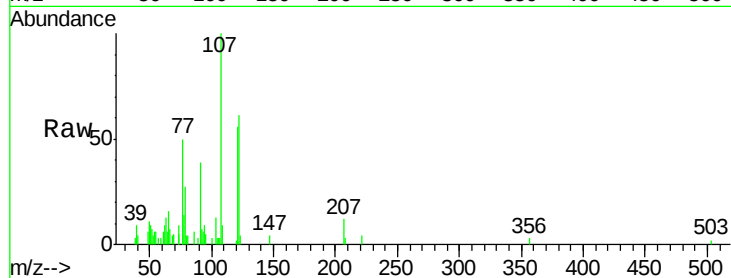
Tgt Ion:107 Resp: 20602

Ion Ratio Lower Upper

107 100

121 55.6 31.9 47.9#

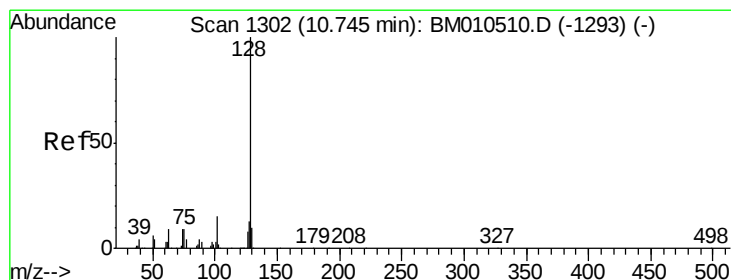
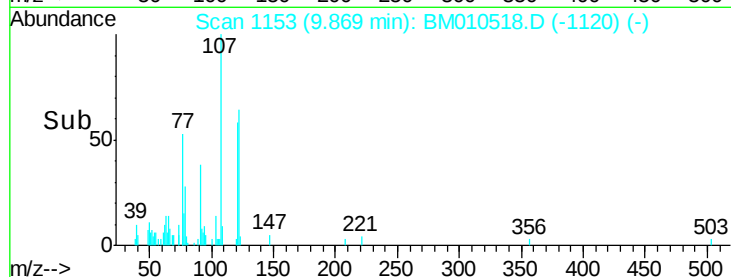
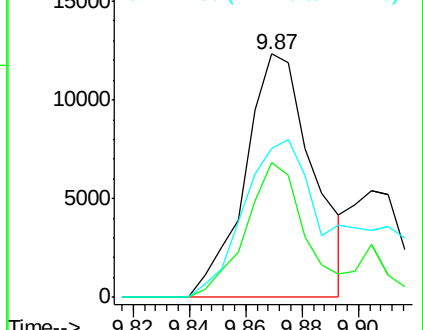
122 60.9 57.8 86.6



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E



#28

Naphthalene

Concen: 14.352 ng/ul

RT: 10.75 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BM010518.D

Acq: 11 Jun 2017 10:46

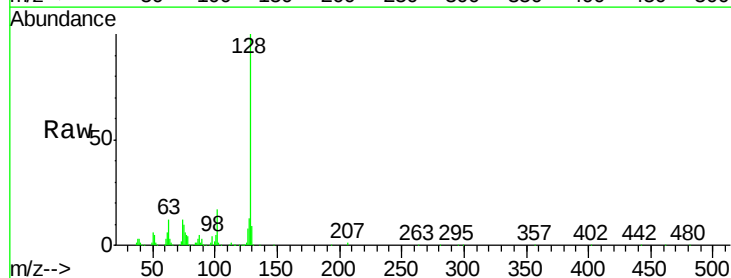
Tgt Ion:128 Resp: 382779

Ion Ratio Lower Upper

128 100

129 9.3 8.8 13.2

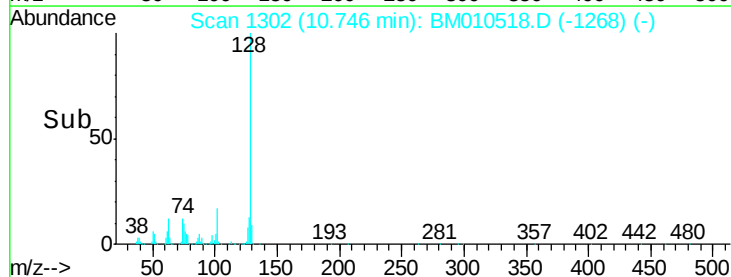
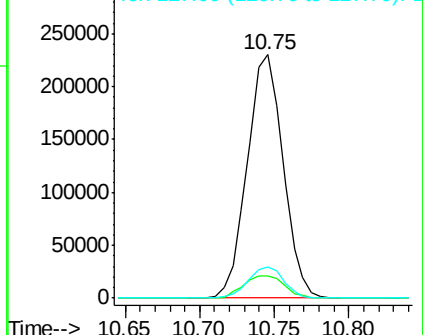
127 12.6 10.6 16.0

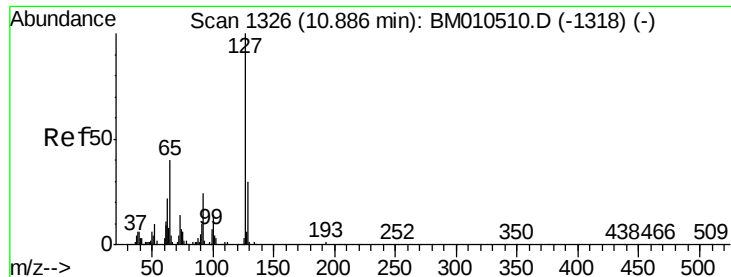


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#30

4-Chloroaniline

Concen: 5.689 ng/ul

RT: 10.75 min Scan# 1302

Delta R.T. -0.14 min

Lab File: BM010518.D

Acq: 11 Jun 2017 10:46

Instrument :

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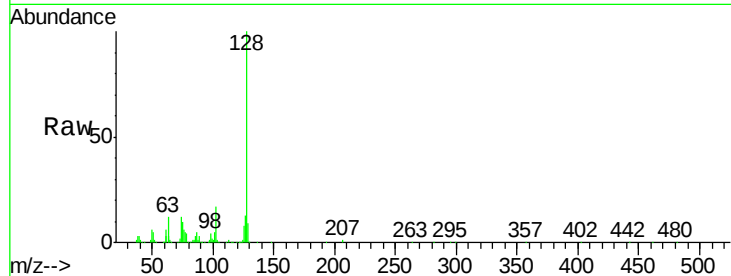
F5C33

Tgt Ion:127 Resp: 49104

Ion Ratio Lower Upper

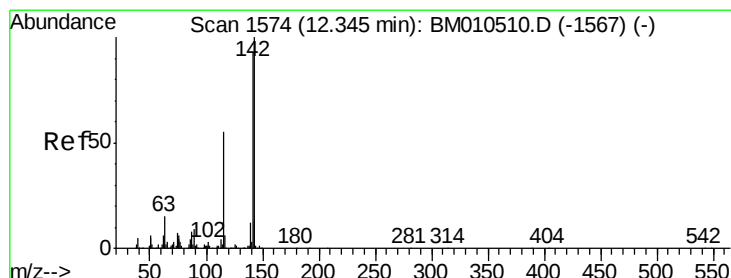
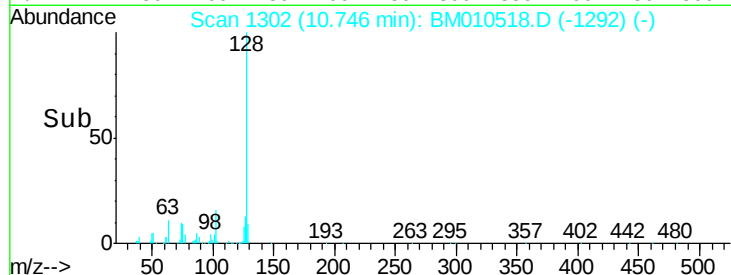
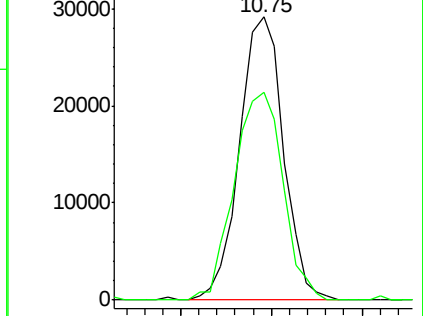
127 100

129 73.5 28.4 42.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E



#34

2-Methylnaphthalene

Concen: 12.129 ng/ul

RT: 12.35 min Scan# 1574

Delta R.T. 0.00 min

Lab File: BM010518.D

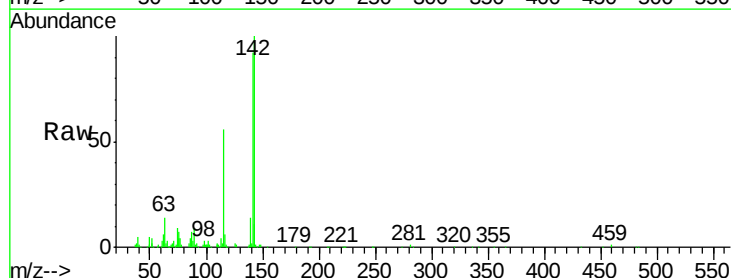
Acq: 11 Jun 2017 10:46

Tgt Ion:142 Resp: 245263

Ion Ratio Lower Upper

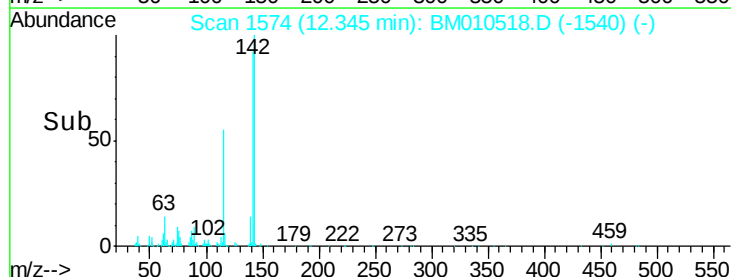
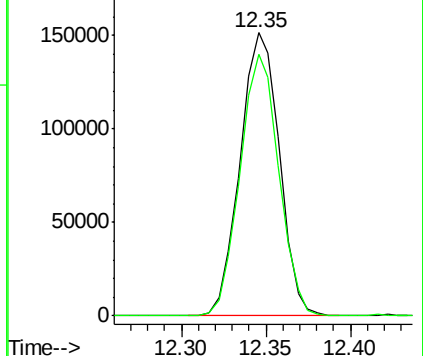
142 100

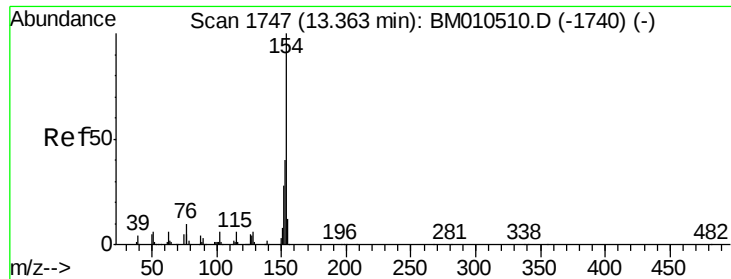
141 92.3 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

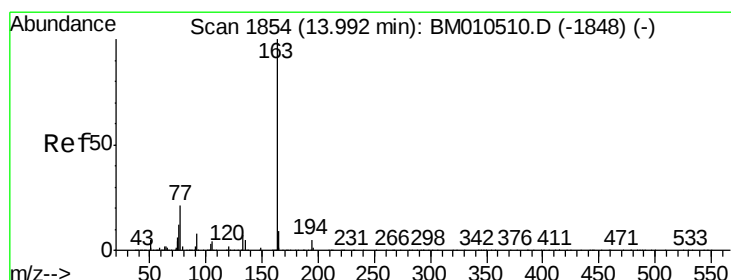
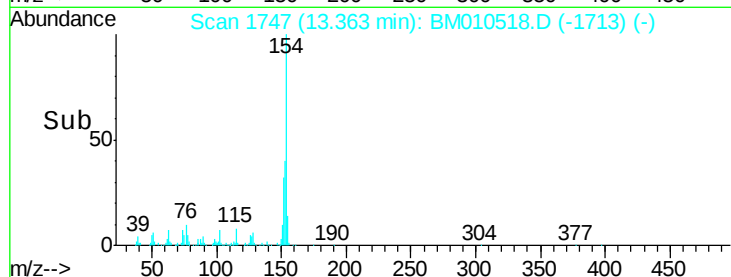
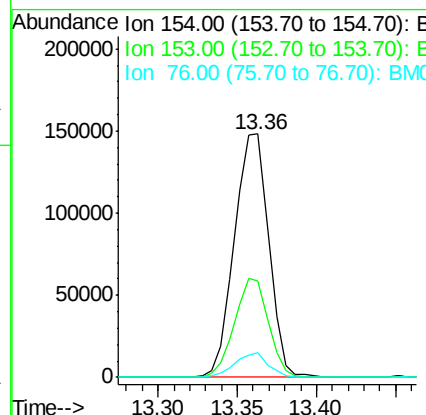
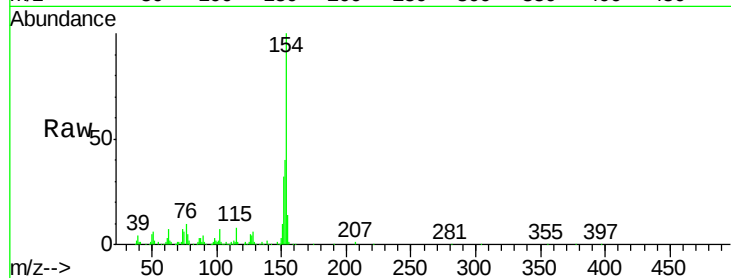




#40
1,1'-Biphenyl
Concen: 7.131 ng/ul
RT: 13.36 min Scan# 1747
Delta R.T. 0.00 min
Lab File: BM010518.D
Acq: 11 Jun 2017 10:46

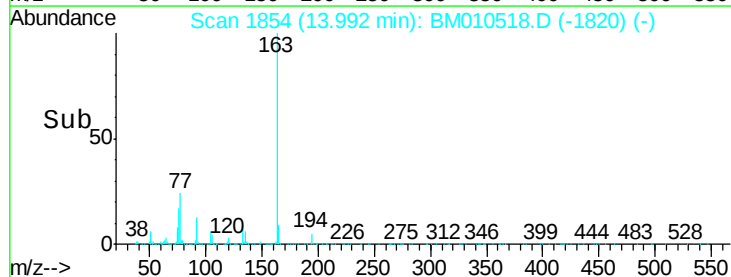
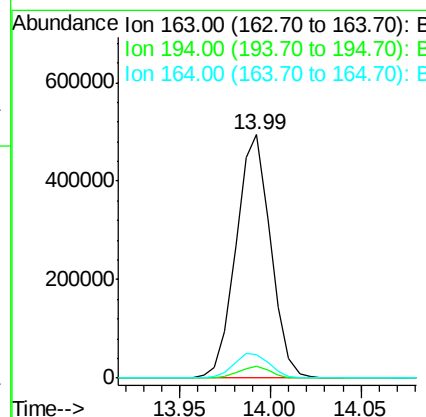
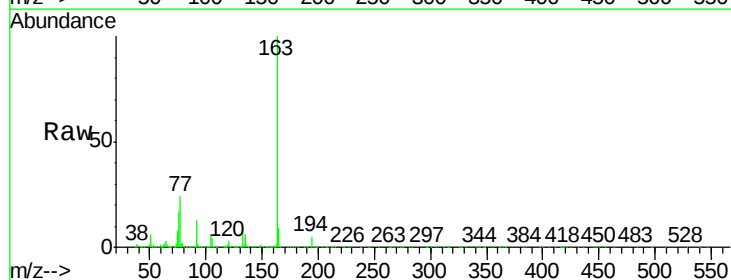
Instrument :
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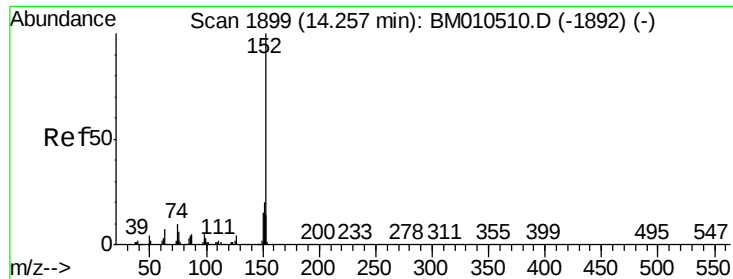
Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.8	32.6	48.8
76	10.3	8.5	12.7



#44
Dimethylphthalate
Concen: 20.700 ng/ul
RT: 13.99 min Scan# 1854
Delta R.T. 0.00 min
Lab File: BM010518.D
Acq: 11 Jun 2017 10:46

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.9	3.5	5.3
164	9.4	8.2	12.4





#47

Acenaphthylene

Concen: 1.056 ng/ul

RT: 14.25 min Scan# 1898

Delta R.T. -0.01 min

Lab File: BM010518.D

Acq: 11 Jun 2017 10:46

Instrument :

BNA_M

ClientSampleId :

F5C33

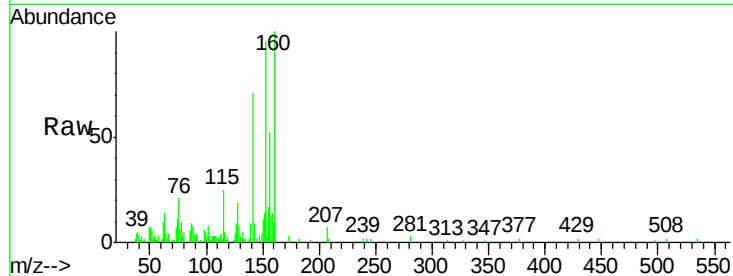
Tgt Ion:152 Resp: 38539

Ion Ratio Lower Upper

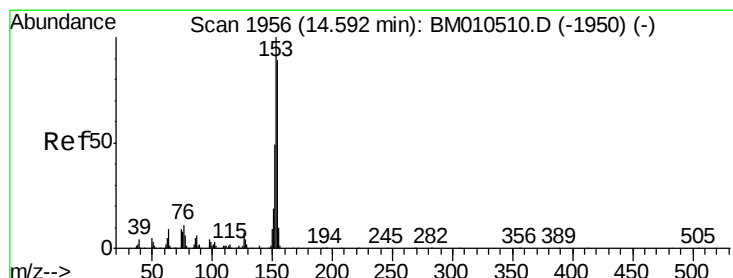
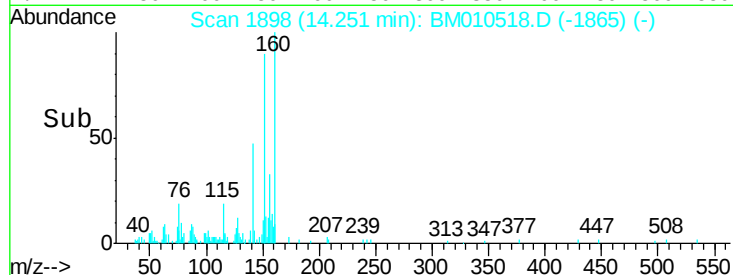
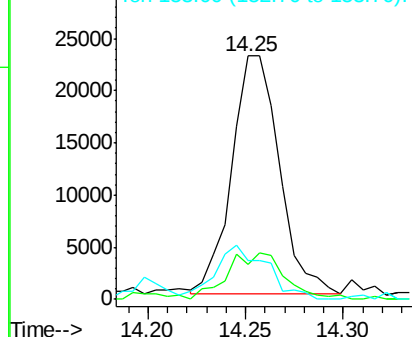
152 100

151 14.3 16.3 24.5#

153 16.0 10.2 15.4#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 38.411 ng/ul

RT: 14.59 min Scan# 1956

Delta R.T. 0.00 min

Lab File: BM010518.D

Acq: 11 Jun 2017 10:46

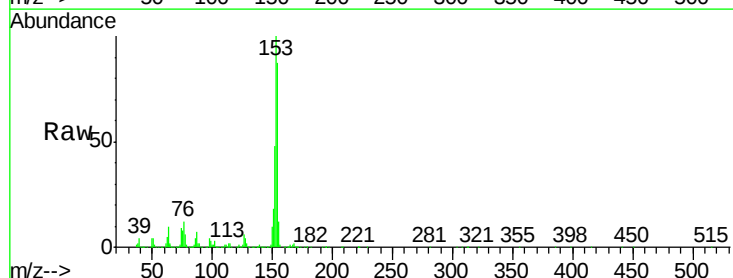
Tgt Ion:153 Resp: 983302

Ion Ratio Lower Upper

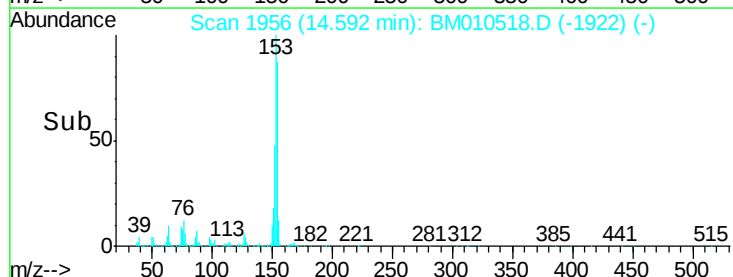
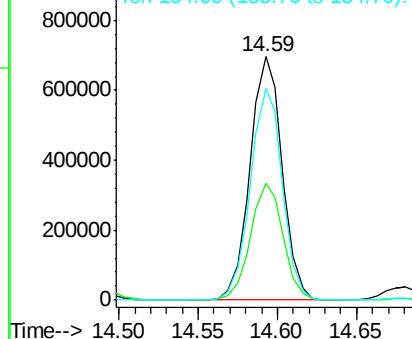
153 100

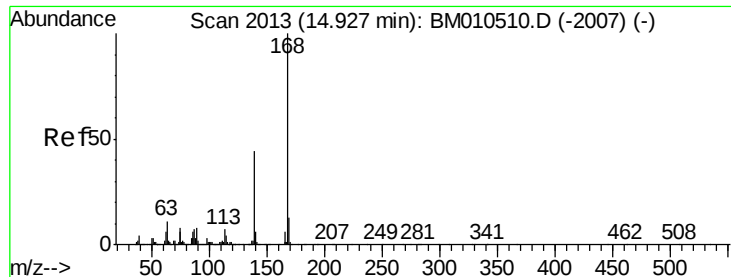
152 48.0 37.6 56.4

154 86.8 70.4 105.6



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 34.265 ng/ul

RT: 14.93 min Scan# 2013

Delta R.T. 0.00 min

Lab File: BM010518.D

Acq: 11 Jun 2017 10:46

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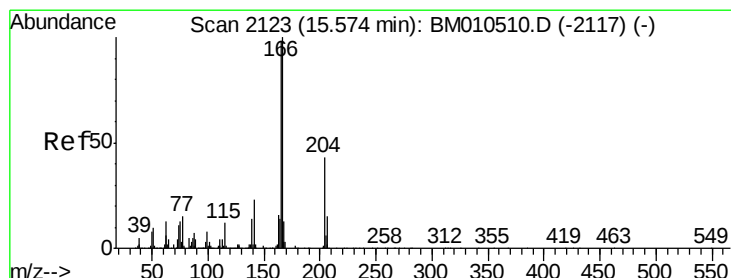
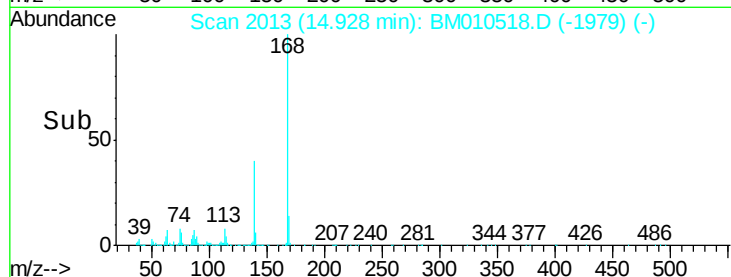
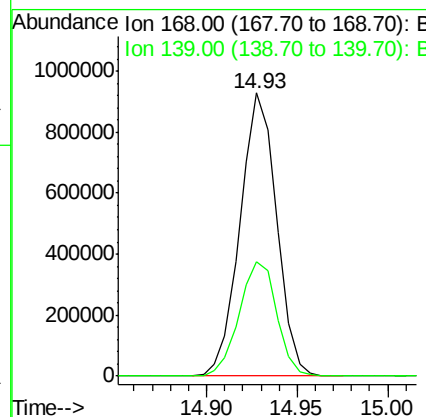
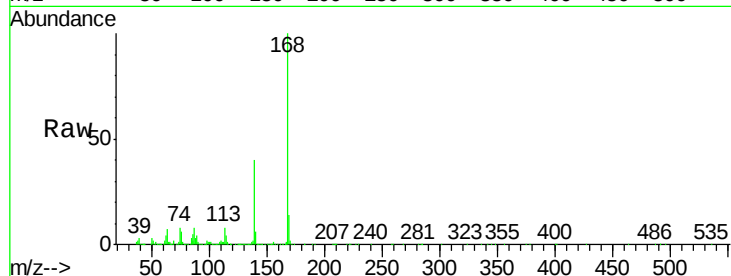
F5C33

Tgt Ion:168 Resp: 1297042

Ion Ratio Lower Upper

168 100

139 40.5 30.8 46.2



#58

Fluorene

Concen: 40.080 ng/ul

RT: 15.57 min Scan# 2123

Delta R.T. 0.00 min

Lab File: BM010518.D

Acq: 11 Jun 2017 10:46

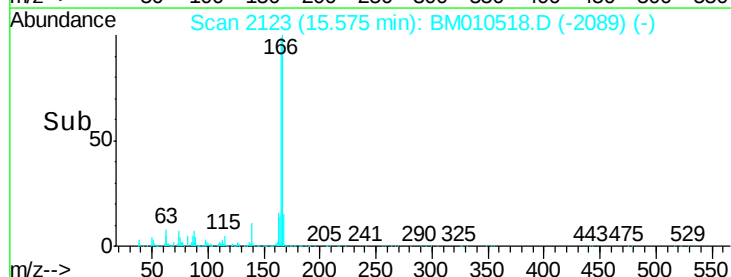
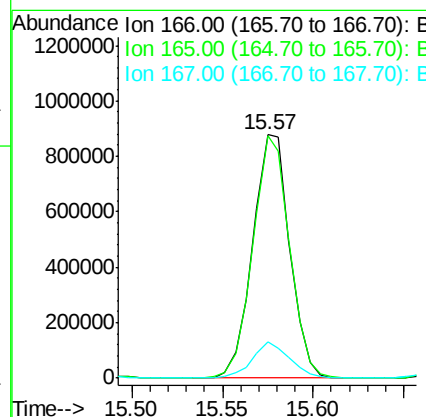
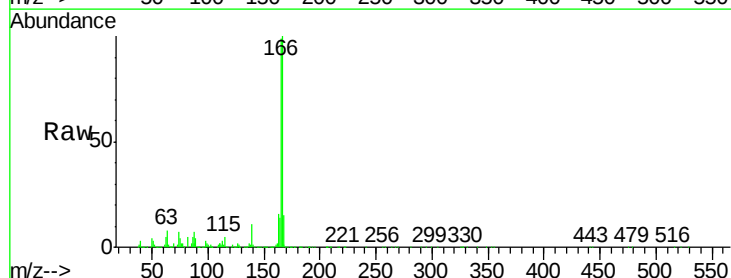
Tgt Ion:166 Resp: 1244512

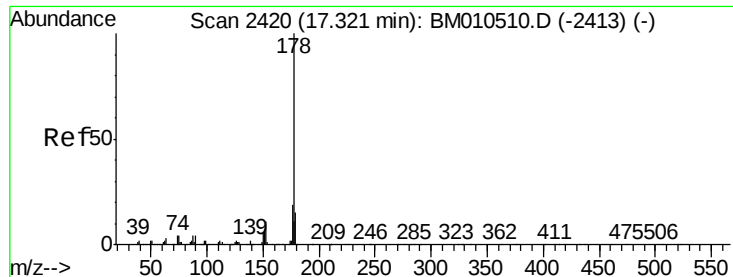
Ion Ratio Lower Upper

166 100

165 99.3 77.9 116.9

167 14.7 10.6 16.0





#69

Phenanthrene

Concen: 166.181 ng/ul

RT: 17.33 min Scan# 2421

Delta R.T. 0.01 min

Lab File: BM010518.D

Acq: 11 Jun 2017 10:46

Instrument :

BNA_M

ClientSampleId :

F5C33

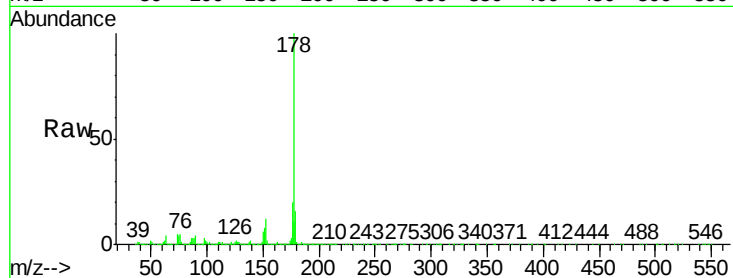
Tgt Ion:178 Resp: 8871756

Ion Ratio Lower Upper

178 100

179 15.6 12.6 19.0

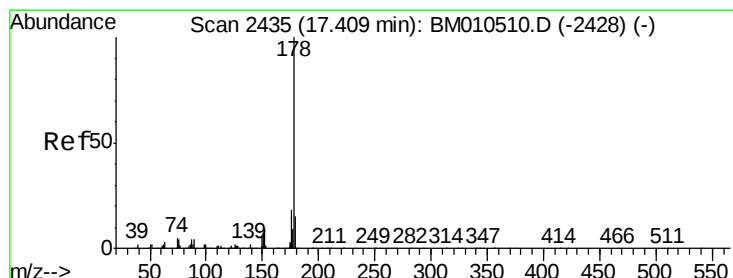
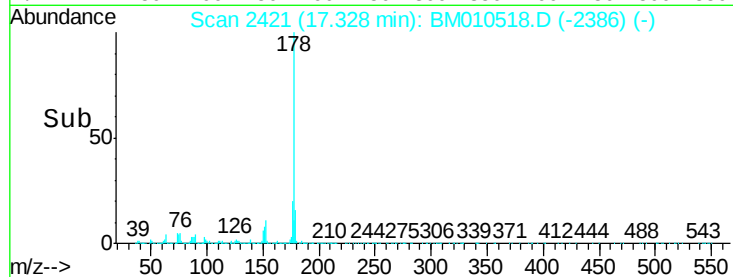
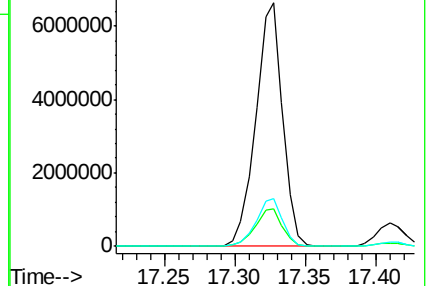
176 19.7 14.9 22.3



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



#71

Anthracene

Concen: 14.942 ng/ul

RT: 17.41 min Scan# 2435

Delta R.T. 0.00 min

Lab File: BM010518.D

Acq: 11 Jun 2017 10:46

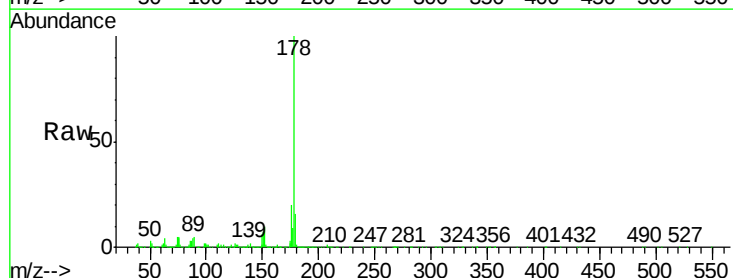
Tgt Ion:178 Resp: 832737

Ion Ratio Lower Upper

178 100

179 15.6 11.7 17.5

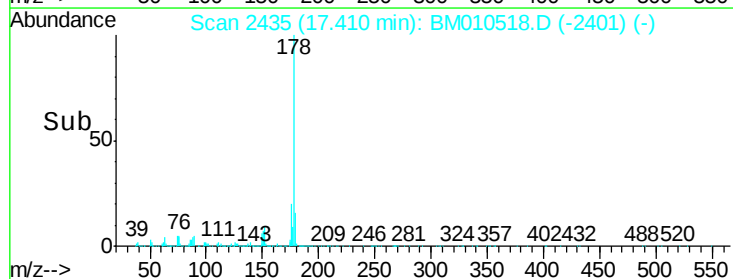
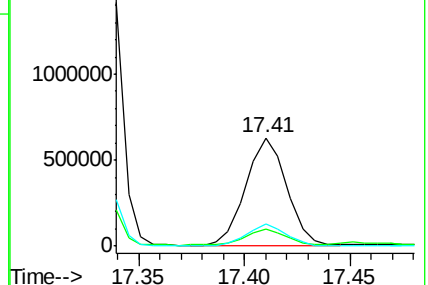
176 20.1 14.6 21.8

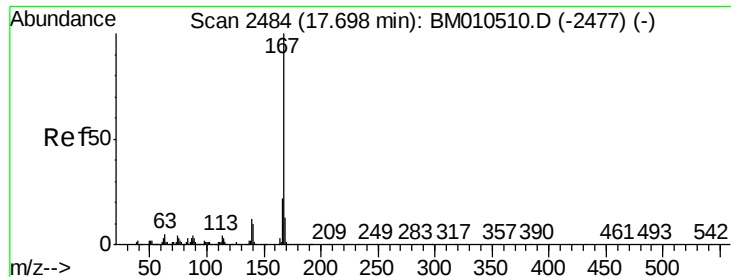


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 4.151 ng/ul

RT: 17.69 min Scan# 2483

Delta R.T. -0.01 min

Lab File: BM010518.D

Acq: 11 Jun 2017 10:46

Instrument :

BNA_M

ClientSampleId :

F5C33

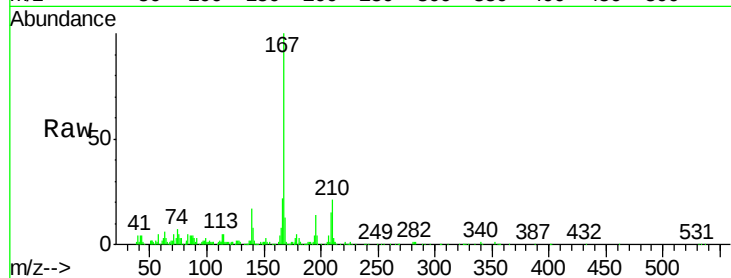
Tgt Ion:167 Resp: 195829

Ion Ratio Lower Upper

167 100

166 21.9 17.1 25.7

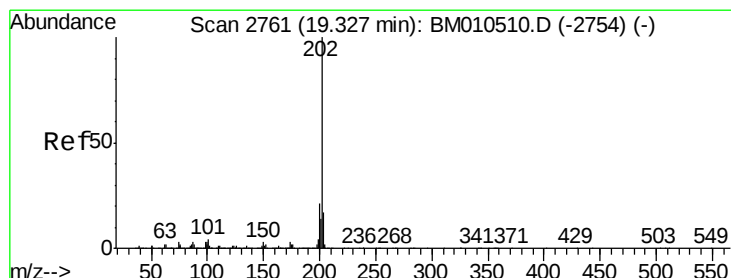
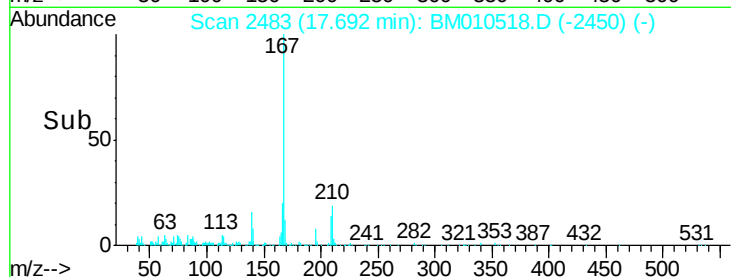
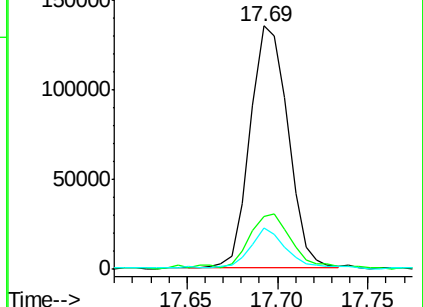
139 16.8 10.0 15.0#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 101.011 ng/ul

RT: 19.33 min Scan# 2762

Delta R.T. 0.01 min

Lab File: BM010518.D

Acq: 11 Jun 2017 10:46

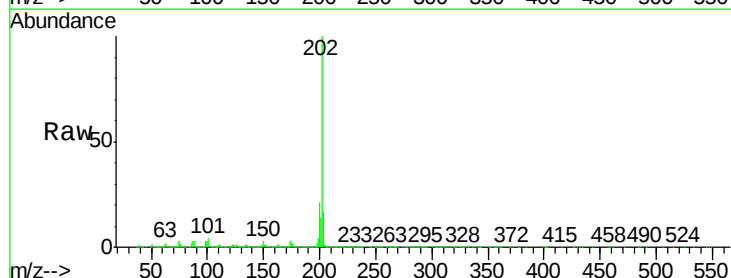
Tgt Ion:202 Resp: 6631330

Ion Ratio Lower Upper

202 100

101 4.3 4.6 7.0#

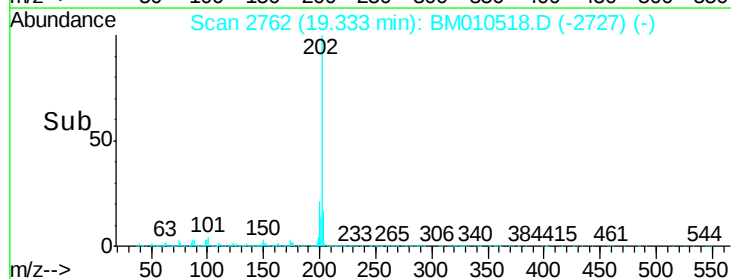
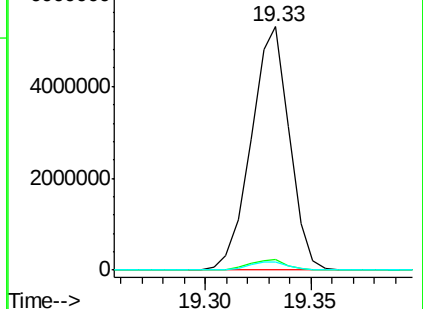
100 3.5 3.4 5.2

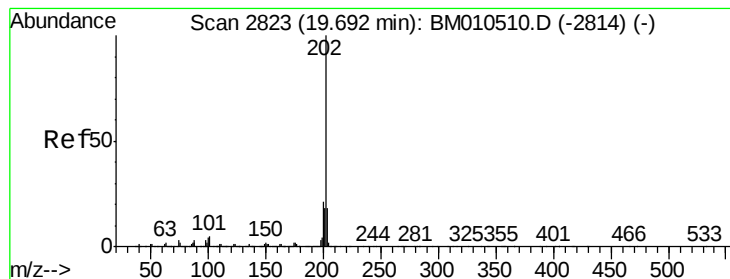


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 56.213 ng/ul

RT: 19.70 min Scan# 2824

Delta R.T. 0.01 min

Lab File: BM010518.D

Acq: 11 Jun 2017 10:46

Instrument :

BNA_M

ClientSampleId :

F5C33

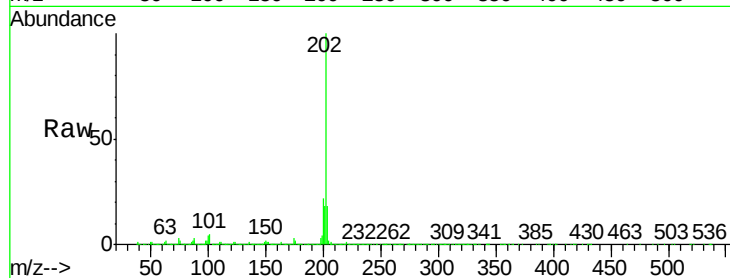
Tgt Ion:202 Resp: 4256448

Ion Ratio Lower Upper

202 100

101 4.7 5.1 7.7#

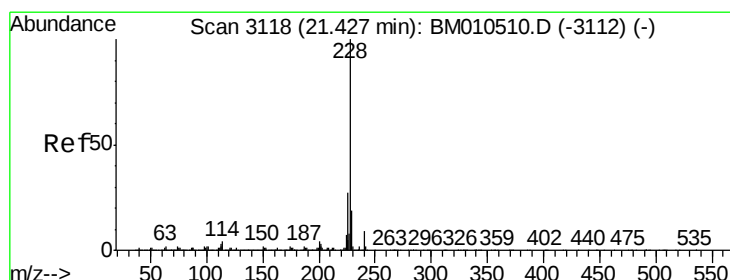
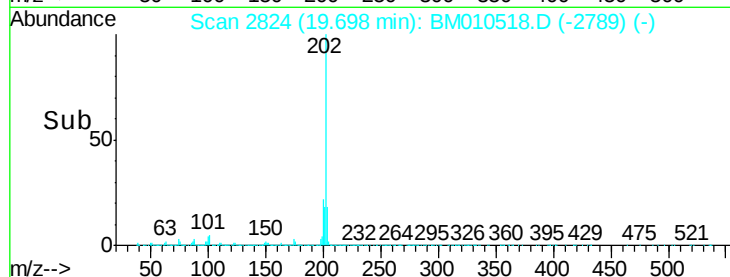
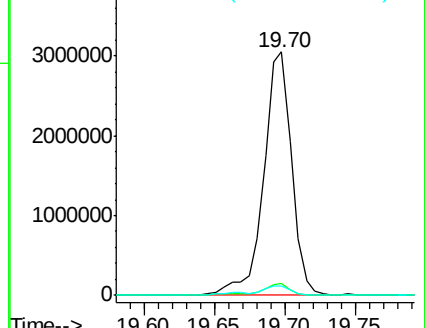
100 3.8 4.9 7.3#



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: 21.212 ng/ul

RT: 21.43 min Scan# 3118

Delta R.T. 0.00 min

Lab File: BM010518.D

Acq: 11 Jun 2017 10:46

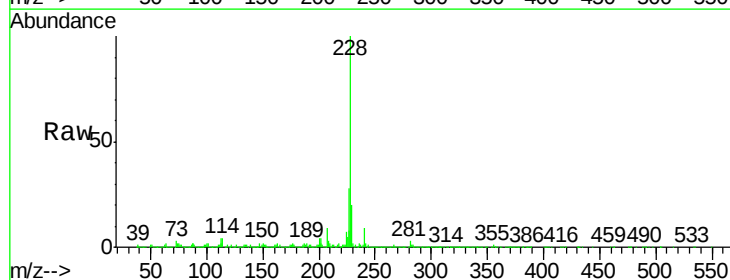
Tgt Ion:228 Resp: 1757691

Ion Ratio Lower Upper

228 100

229 20.3 15.4 23.0

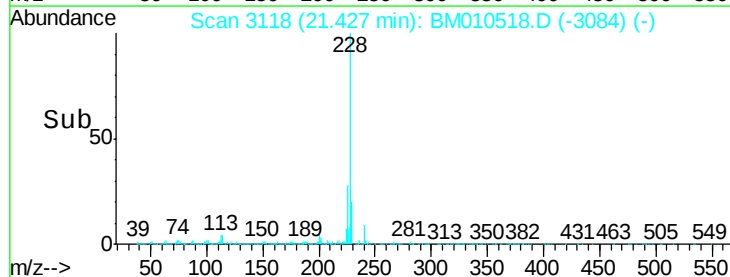
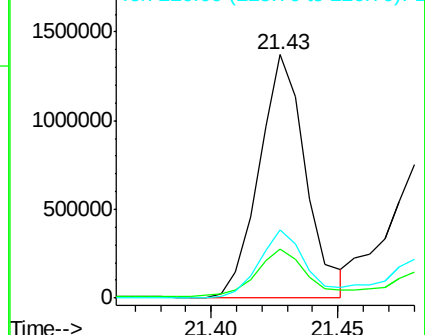
226 27.9 21.4 32.0

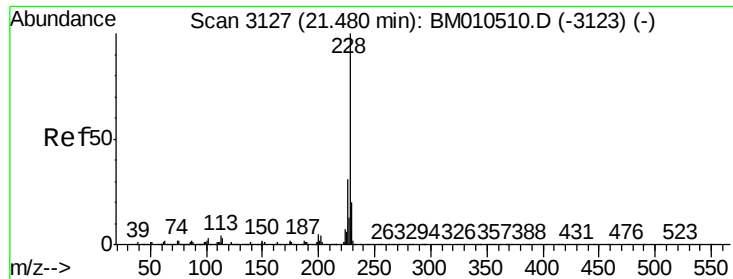


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 13.864 ng/ul

RT: 21.48 min Scan# 3127

Delta R.T. 0.00 min

Lab File: BM010518.D

Acq: 11 Jun 2017 10:46

Instrument :

BNA_M

ClientSampleId :

F5C33

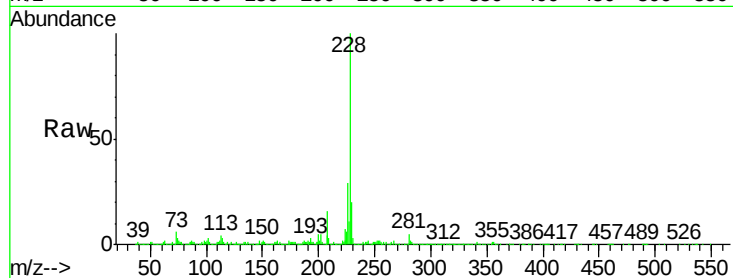
Tgt Ion:228 Resp: 1038461

Ion Ratio Lower Upper

228 100

226 29.3 23.4 35.2

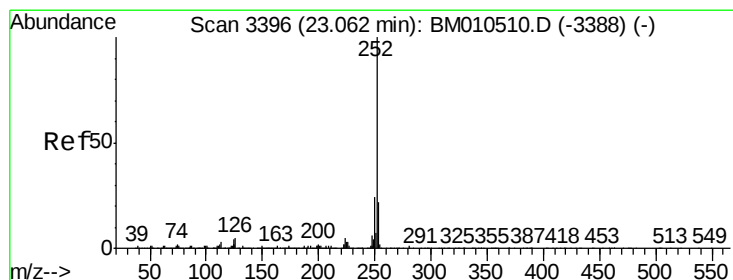
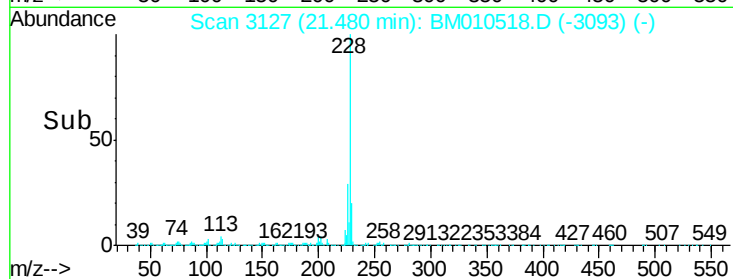
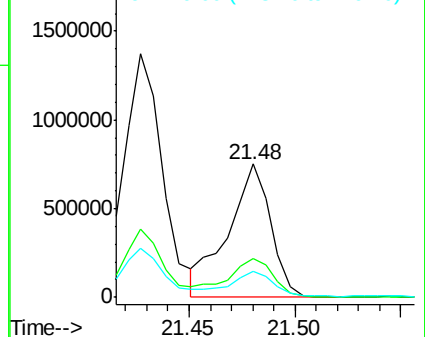
229 20.0 15.5 23.3



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



#85

Benzo(b)fluoranthene

Concen: 14.420 ng/ul

RT: 23.07 min Scan# 3397

Delta R.T. 0.01 min

Lab File: BM010518.D

Acq: 11 Jun 2017 10:46

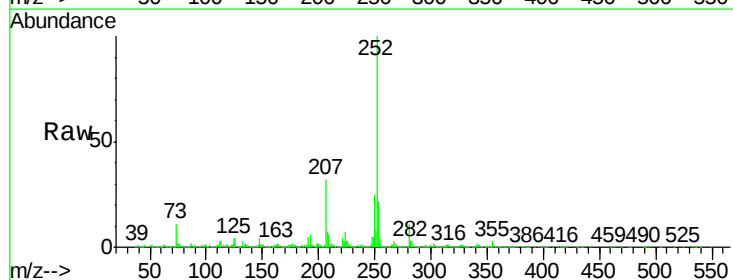
Tgt Ion:252 Resp: 1217473

Ion Ratio Lower Upper

252 100

253 21.9 17.9 26.9

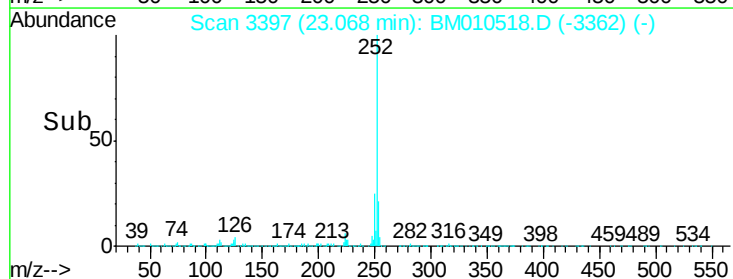
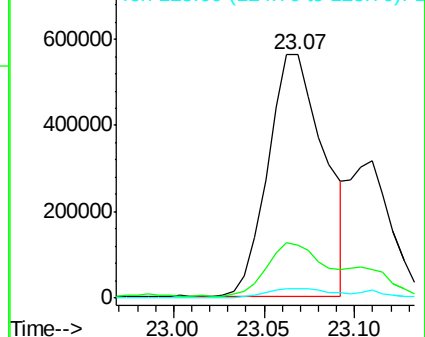
125 3.7 3.6 5.4

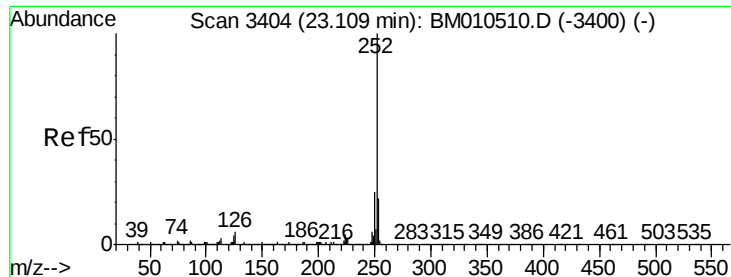


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 15.095 ng/ul

RT: 23.07 min Scan# 3397

Delta R.T. -0.04 min

Lab File: BM010518.D

Acq: 11 Jun 2017 10:46

Instrument :

BNA_M

ClientSampleId :

F5C33

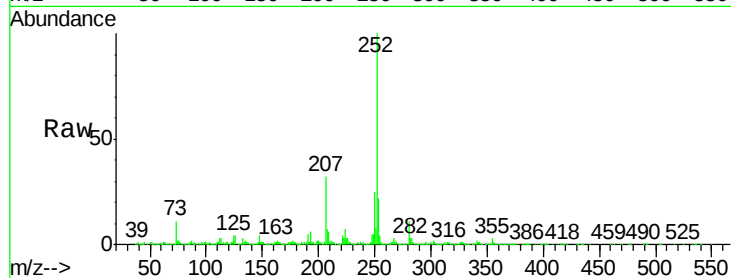
Tgt Ion:252 Resp: 1217473

Ion Ratio Lower Upper

252 100

253 21.9 17.1 25.7

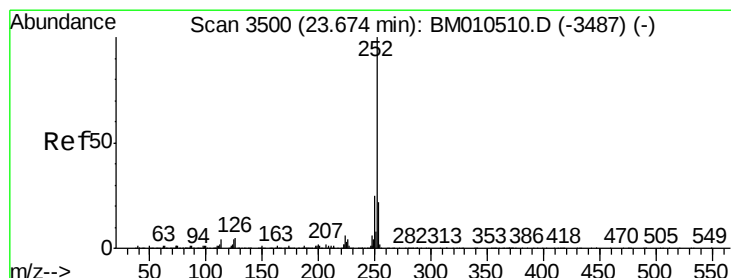
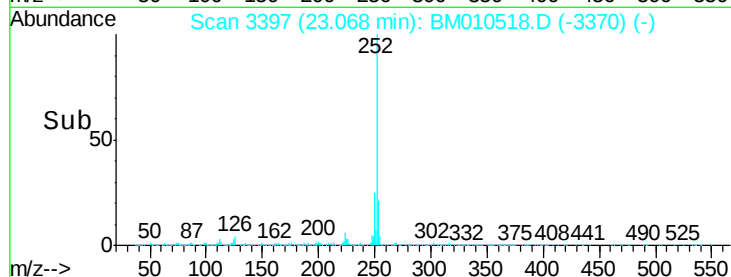
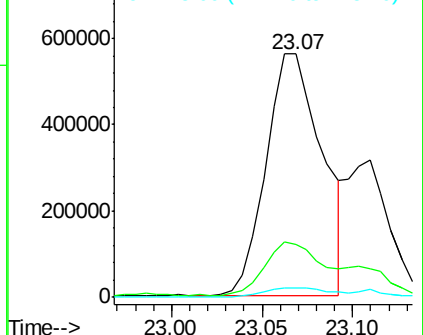
125 3.7 3.4 5.2



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



#88

Benzo(a)pyrene

Concen: 6.292 ng/ul

RT: 23.57 min Scan# 3483

Delta R.T. -0.10 min

Lab File: BM010518.D

Acq: 11 Jun 2017 10:46

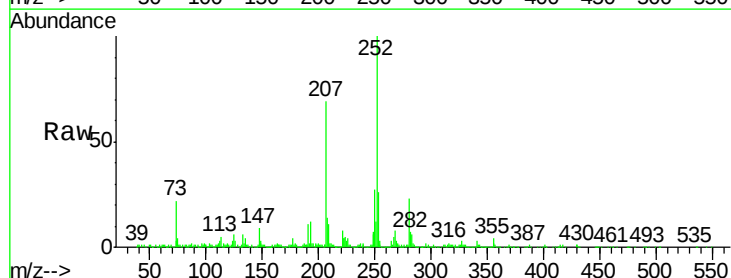
Tgt Ion:252 Resp: 526560

Ion Ratio Lower Upper

252 100

253 26.1 18.2 27.2

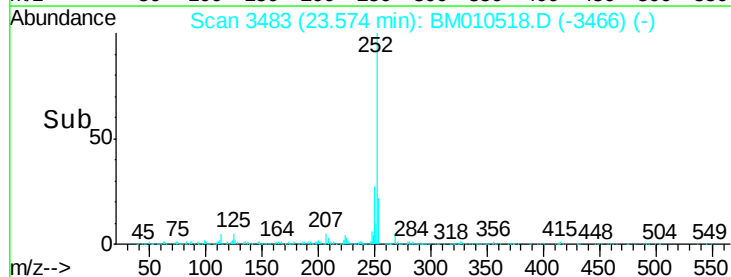
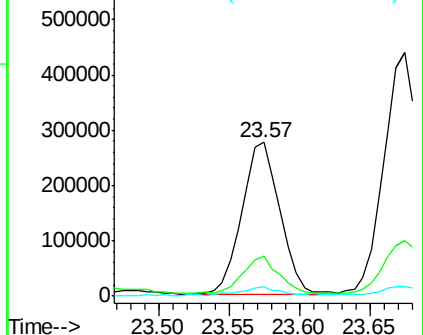
125 5.8 4.0 6.0

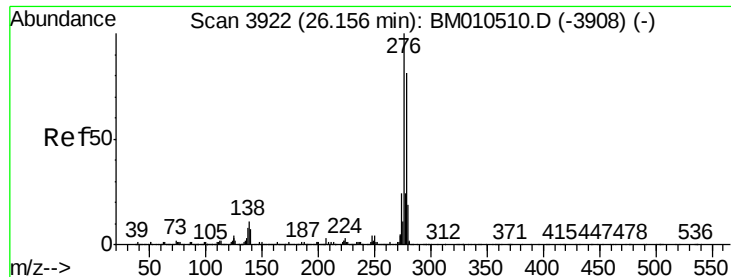


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Indeno(1,2,3-cd)pyrene

Concen: 3.206 ng/ul

RT: 26.15 min Scan# 3921

Delta R.T. -0.01 min

Lab File: BM010518.D

Acq: 11 Jun 2017 10:46

Instrument :

BNA_M

ClientSampleId :

F5C33

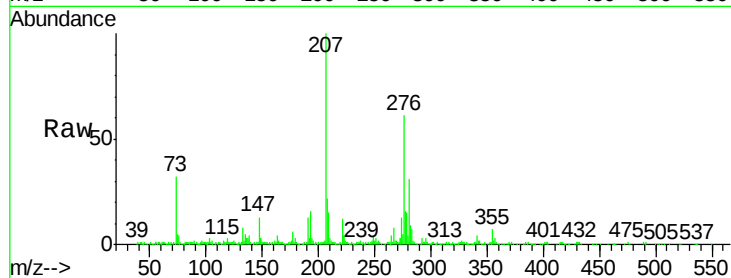
Tgt Ion:276 Resp: 338984

Ion Ratio Lower Upper

276 100

138 9.9 9.3 13.9

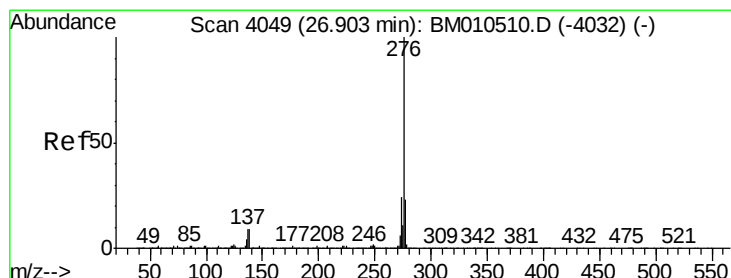
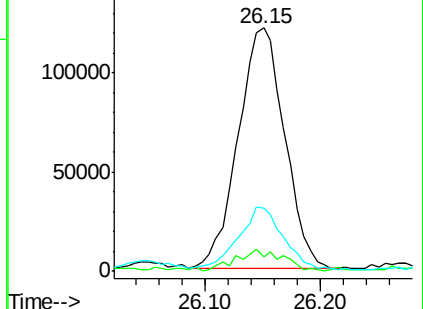
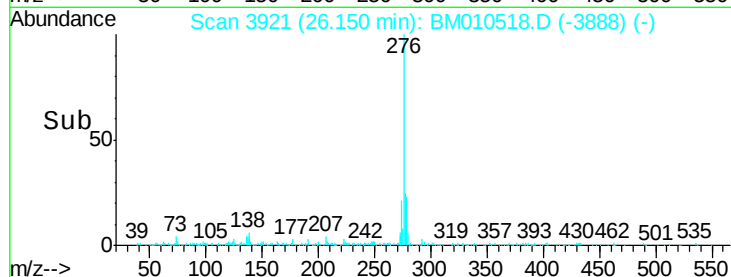
277 25.9 19.9 29.9



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



#91

Benzo(g,h,i)perylene

Concen: 2.944 ng/ul

RT: 26.90 min Scan# 4048

Delta R.T. -0.01 min

Lab File: BM010518.D

Acq: 11 Jun 2017 10:46

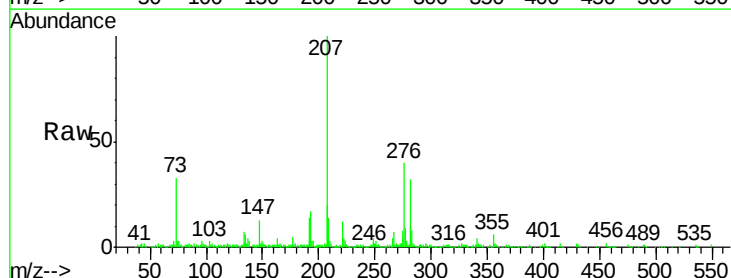
Tgt Ion:276 Resp: 256408

Ion Ratio Lower Upper

276 100

138 8.1 8.5 12.7#

277 21.3 18.6 28.0



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

