

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
 Data File : BM010507.D
 Acq On : 11 Jun 2017 04:10
 Operator : SJ/MA
 Sample : I3558-14
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5C87

Quant Time: Jun 12 07:12:11 2017
 Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 12 07:08:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	191281	20.00	ng/ul	0.00
18) Naphthalene-d8	10.70	136	708742	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.53	164	501365	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.28	188	1280356	20.00	ng/ul	0.00
75) Chrysene-d12	21.44	240	1618694	20.00	ng/ul	0.00
83) Perylene-d12	23.78	264	1592087	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	22418	4.81	ng/uL	0.00
5) Phenol-d5	7.07	99	390802	26.96	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.23	67	218577	26.83	ng/ul	0.00
9) 2-Chlorophenol-d4	7.43	132	336027	29.09	ng/ul	0.00
13) 4-Methylphenol-d8	8.62	113	345398	29.53	ng/ul	0.00
19) Nitrobenzene-d5	9.08	128	155268	29.91	ng/ul	0.00
22) 2-Nitrophenol-d4	9.79	143	203981	33.92	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.32	165	436958	35.37	ng/ul	0.00
29) 4-Chloroaniline-d4	10.86	131	386667	32.44	ng/ul	0.00
43) Dimethylphthalate-d6	13.95	166	1441020	34.59	ng/ul	0.00
46) Acenaphthylene-d8	14.23	160	1586064	32.64	ng/ul	0.00
51) 4-Nitrophenol-d4	14.77	143	178170	28.59	ng/ul	0.00
57) Fluorene-d10	15.52	176	1244355	33.98	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.65	200	244650	26.98	ng/ul	0.00
70) Anthracene-d10	17.37	188	2058906	33.05	ng/ul	0.00
76) Pyrene-d10	19.67	212	2443612	36.51	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.63	264	2458425	33.17	ng/ul	0.00

Target Compounds

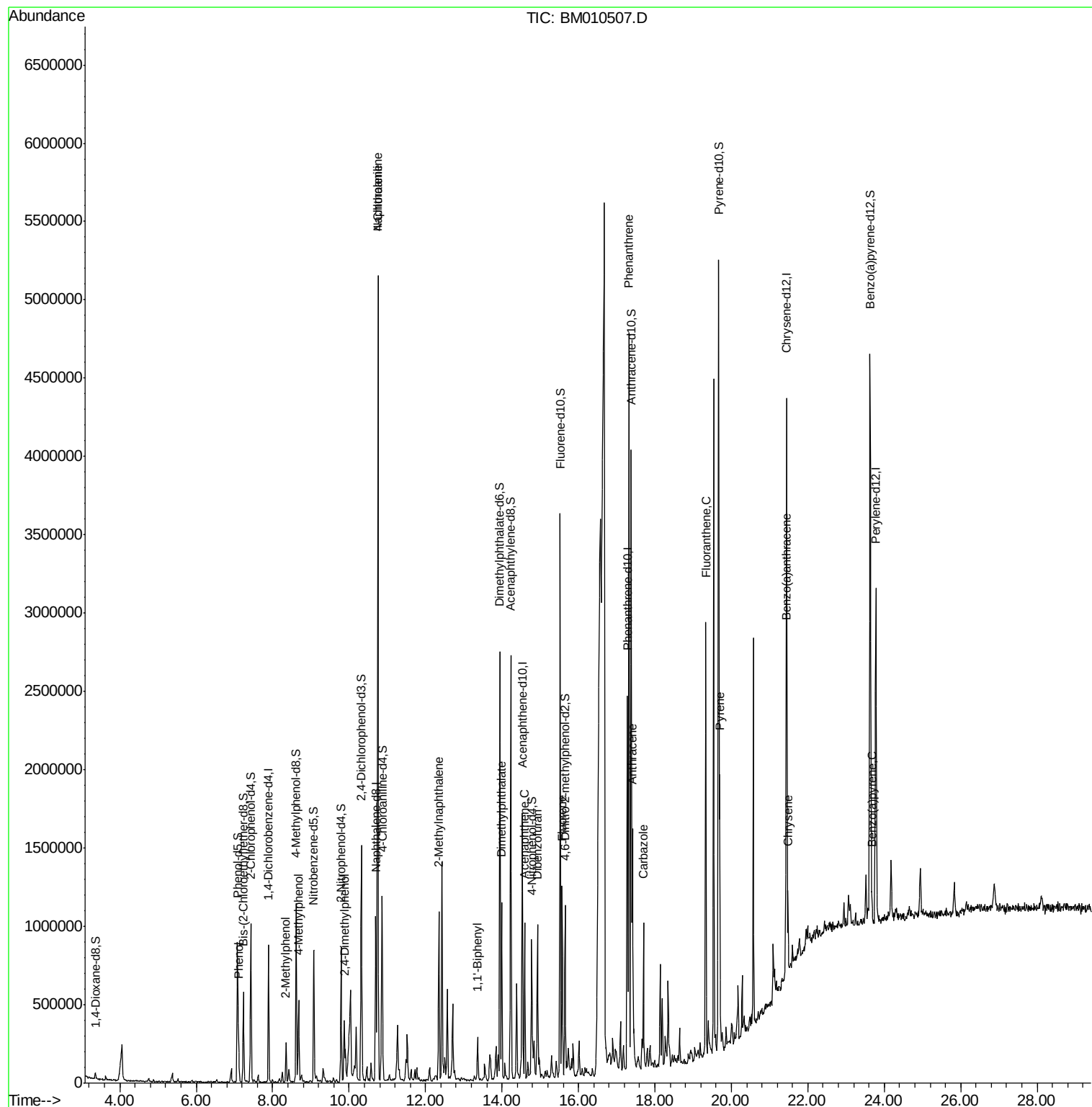
					Qvalue	
6) Phenol	7.10	94	136660	9.196	ng/ul	90
11) 2-Methylphenol	8.35	108	60946	5.619	ng/ul#	73
16) 4-Methylphenol	8.68	108	159977	13.446	ng/ul	99
24) 2,4-Dimethylphenol	9.87	107	124473	8.396	ng/ul	99
28) Naphthalene	10.75	128	3319334	93.375	ng/ul	99
30) 4-Chloroaniline	10.75	127	442563	38.470	ng/ul#	21
34) 2-Methylnaphthalene	12.35	142	409442	15.191	ng/ul	93
40) 1,1'-Biphenyl	13.36	154	122687	3.016	ng/ul	93
44) Dimethylphthalate	13.99	163	598342	14.606	ng/ul	99
49) Acenaphthene	14.59	153	361576	10.857	ng/ul	98
53) Dibenzofuran	14.93	168	505281	10.260	ng/ul	97
58) Fluorene	15.57	166	479692	11.875	ng/ul	96
69) Phenanthrene	17.32	178	2536936	37.116	ng/ul	99
71) Anthracene	17.41	178	749185	10.499	ng/ul	98
72) Carbazole	17.70	167	481895	7.979	ng/ul	100
74) Fluoranthene	19.33	202	1577579	18.769	ng/ul#	95
77) Pyrene	19.70	202	1073342	12.868	ng/ul#	94
80) Benzo(a)anthracene	21.43	228	345072	3.780	ng/ul	92
82) Chrysene	21.48	228	253824	3.076	ng/ul	99
88) Benzo(a)pyrene	23.67	252	120763	1.315	ng/ul#	92

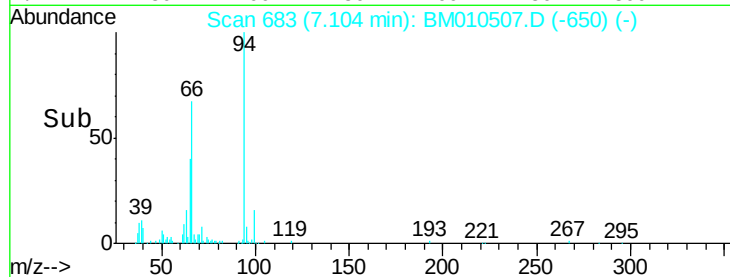
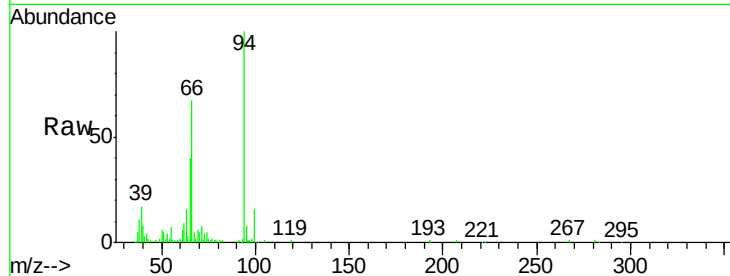
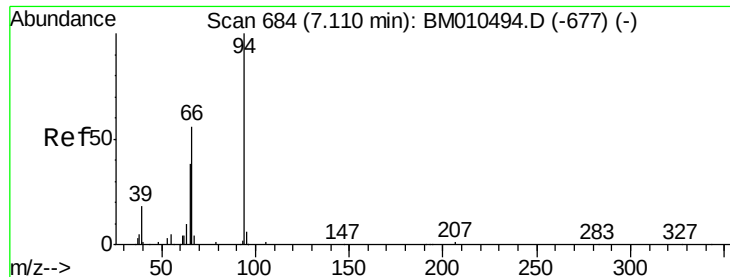
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 9.196 ng/ul

RT: 7.10 min Scan# 683

Delta R.T. -0.01 min

Lab File: BM010507.D

Acq: 11 Jun 2017 04:10

Instrument :

BNA_M

ClientSampleId :

F5C87

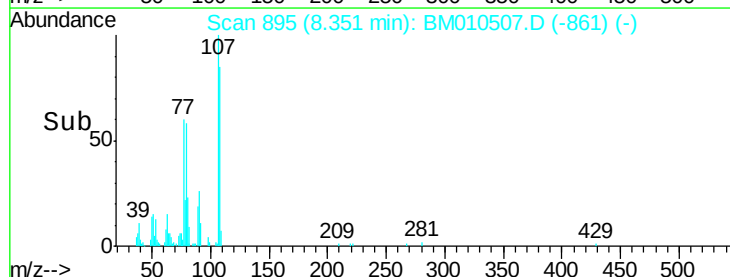
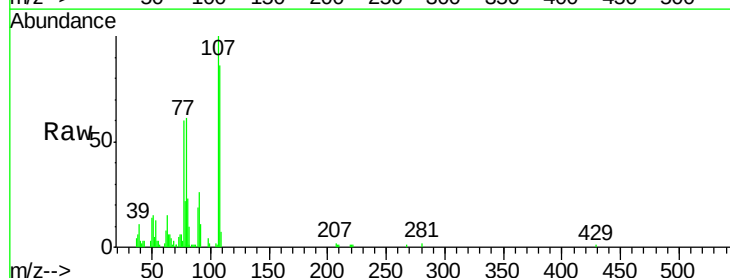
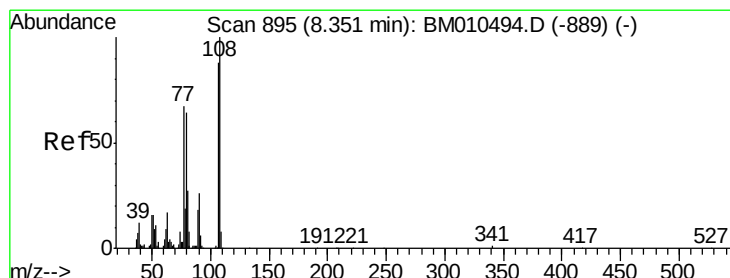
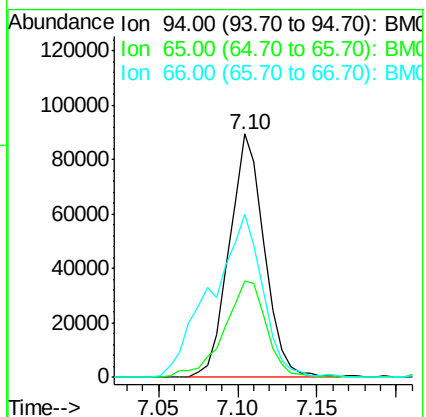
Tgt Ion: 94 Resp: 136660

Ion Ratio Lower Upper

94 100

65 39.8 28.2 42.4

66 66.9 47.2 70.8



#11

2-Methylphenol

Concen: 5.619 ng/ul

RT: 8.35 min Scan# 895

Delta R.T. 0.00 min

Lab File: BM010507.D

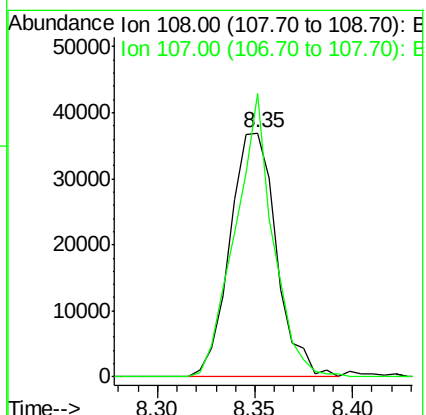
Acq: 11 Jun 2017 04:10

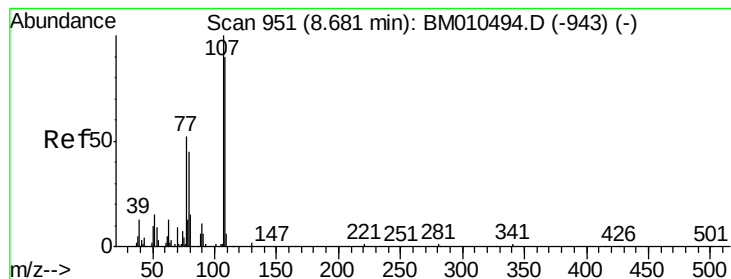
Tgt Ion: 108 Resp: 60946

Ion Ratio Lower Upper

108 100

107 116.1 72.6 108.8#





#16

4-Methylphenol

Concen: 13.446 ng/ul

RT: 8.68 min Scan# 951

Delta R.T. 0.00 min

Lab File: BM010507.D

Acq: 11 Jun 2017 04:10

Instrument :

BNA_M

ClientSampleId :

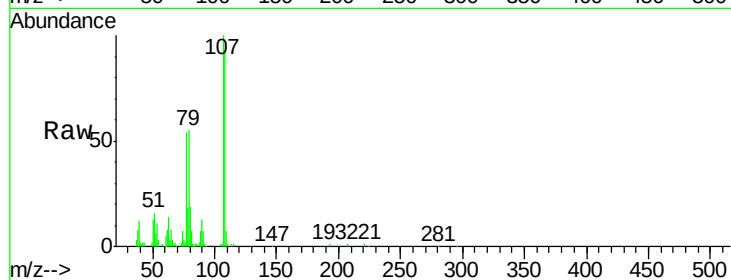
F5C87

Tgt Ion:108 Resp: 159977

Ion Ratio Lower Upper

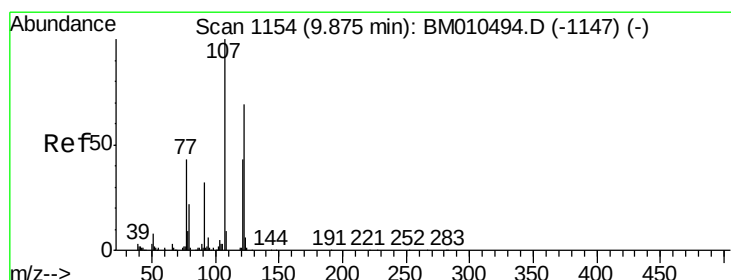
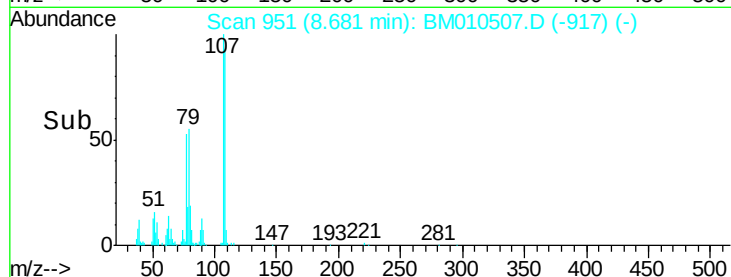
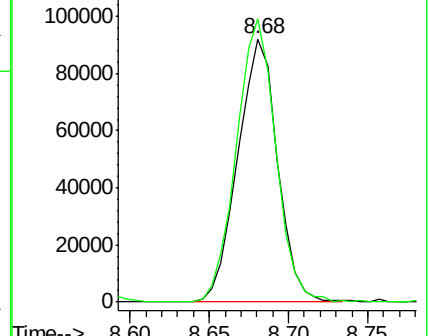
108 100

107 107.5 84.9 127.3



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#24

2,4-Dimethylphenol

Concen: 8.396 ng/ul

RT: 9.87 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BM010507.D

Acq: 11 Jun 2017 04:10

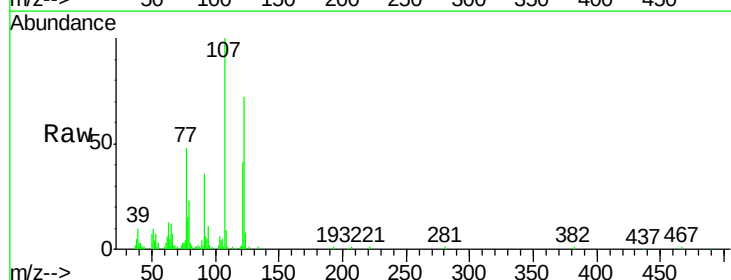
Tgt Ion:107 Resp: 124473

Ion Ratio Lower Upper

107 100

121 40.8 31.9 47.9

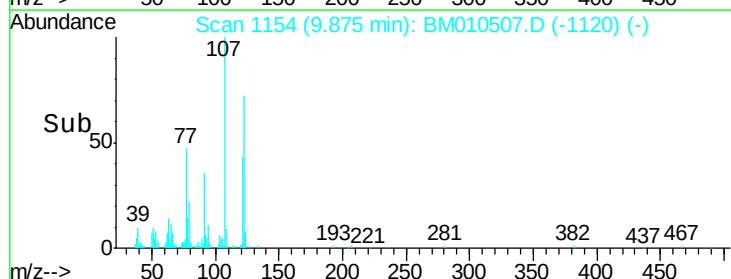
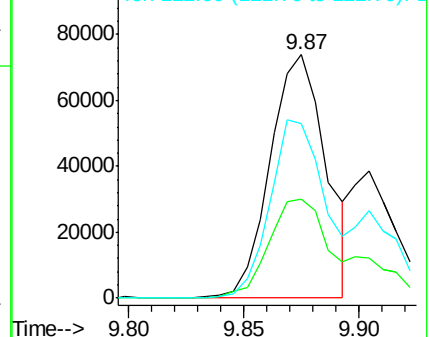
122 71.6 57.8 86.6

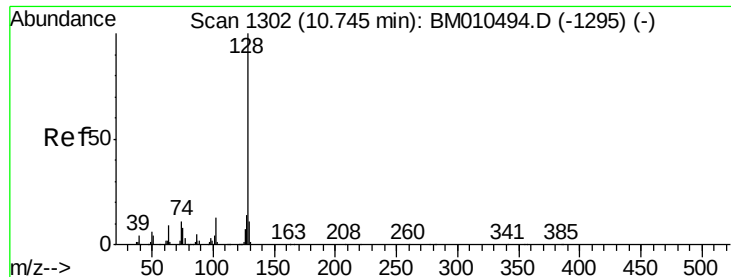


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E





#28

Naphthalene

Concen: 93.375 ng/ul

RT: 10.75 min Scan# 1303

Delta R.T. 0.01 min

Lab File: BM010507.D

Acq: 11 Jun 2017 04:10

Instrument :

BNA_M

ClientSampleId :

F5C87

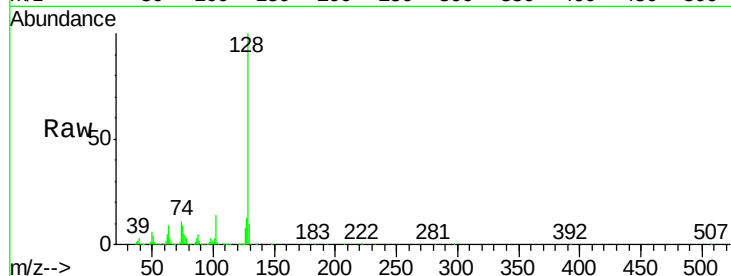
Tgt Ion:128 Resp: 3319334

Ion Ratio Lower Upper

128 100

129 10.5 8.8 13.2

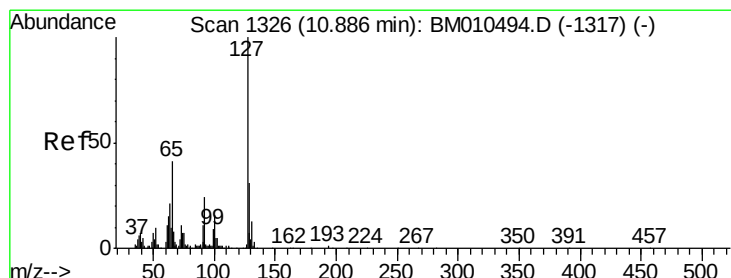
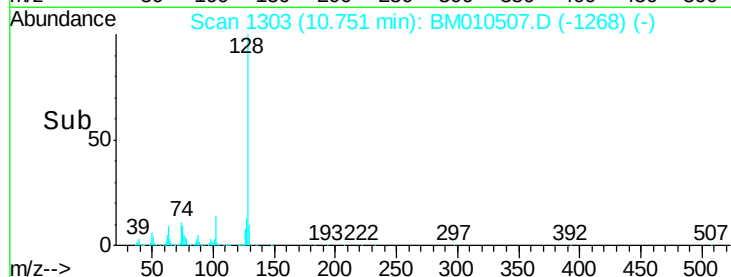
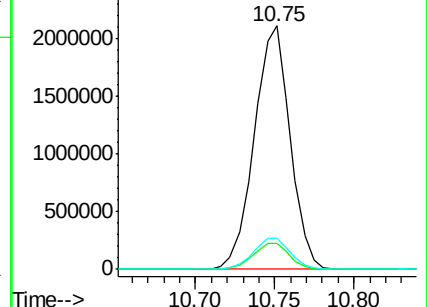
127 12.9 10.6 16.0



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: 38.470 ng/ul

RT: 10.75 min Scan# 1303

Delta R.T. -0.14 min

Lab File: BM010507.D

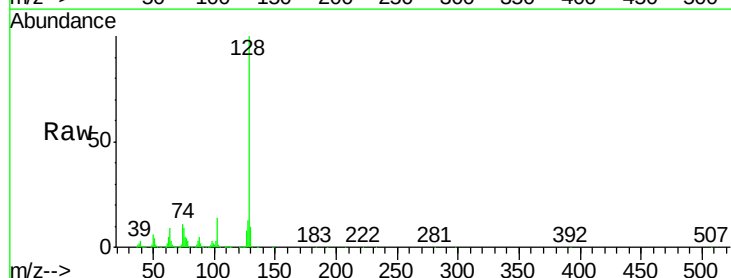
Acq: 11 Jun 2017 04:10

Tgt Ion:127 Resp: 442563

Ion Ratio Lower Upper

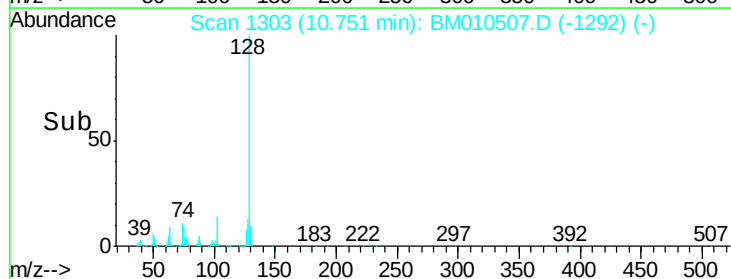
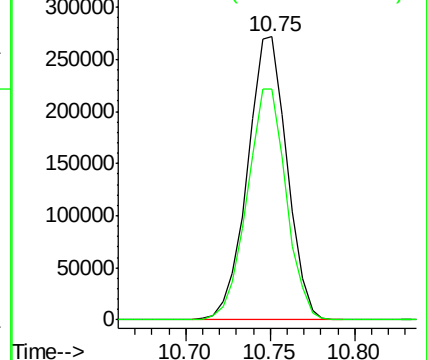
127 100

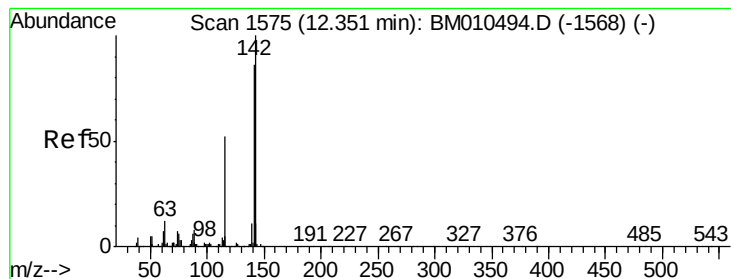
129 81.7 28.4 42.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E





#34

2-Methylnaphthalene

Concen: 15.191 ng/ul

RT: 12.35 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BM010507.D

Acq: 11 Jun 2017 04:10

Instrument :

BNA_M

ClientSampleId :

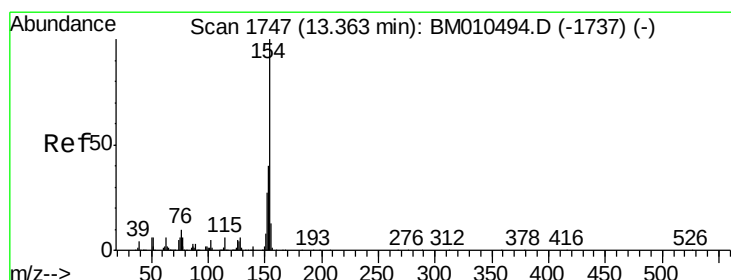
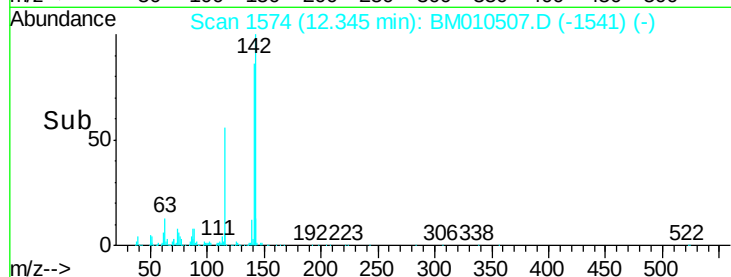
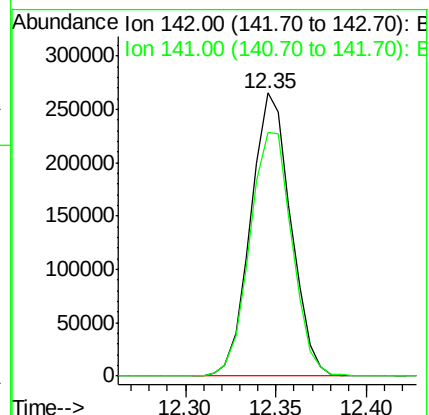
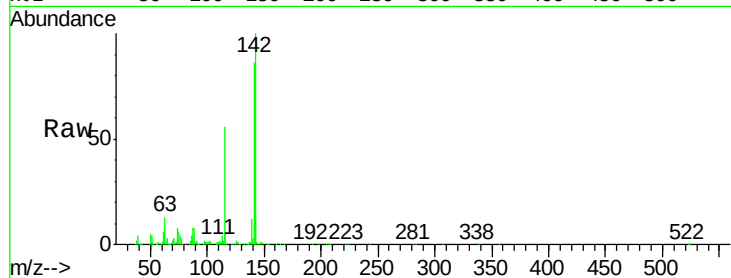
F5C87

Tgt Ion:142 Resp: 409442

Ion Ratio Lower Upper

142 100

141 86.1 74.1 111.1



#40

1,1'-Biphenyl

Concen: 3.016 ng/ul

RT: 13.36 min Scan# 1746

Delta R.T. -0.01 min

Lab File: BM010507.D

Acq: 11 Jun 2017 04:10

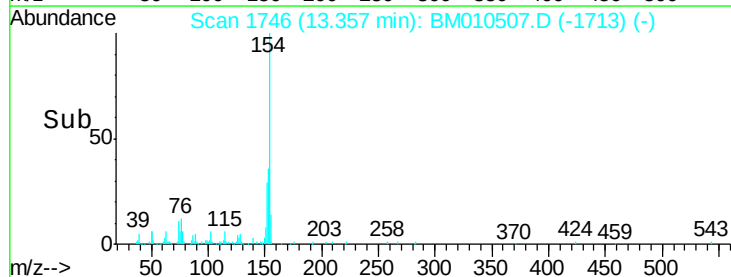
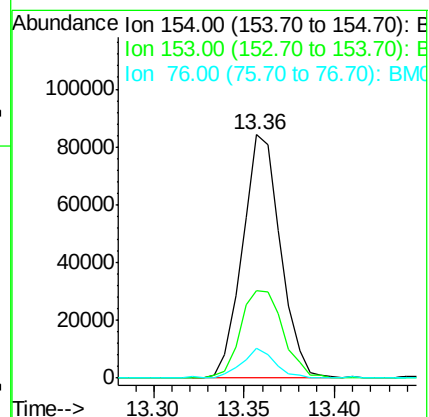
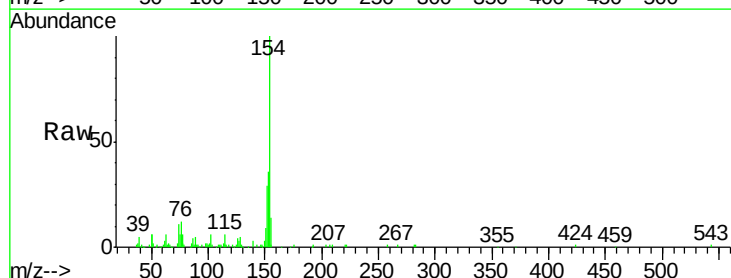
Tgt Ion:154 Resp: 122687

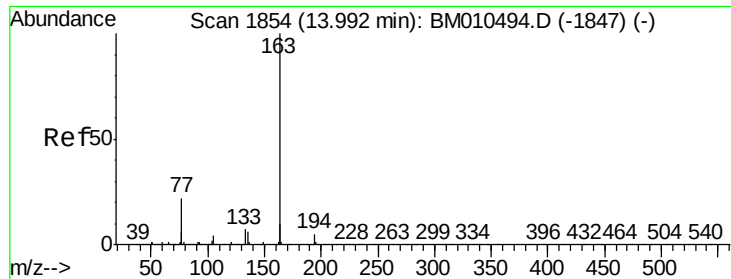
Ion Ratio Lower Upper

154 100

153 36.0 32.6 48.8

76 12.1 8.5 12.7

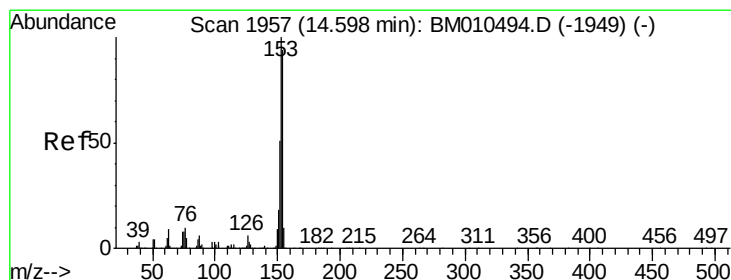
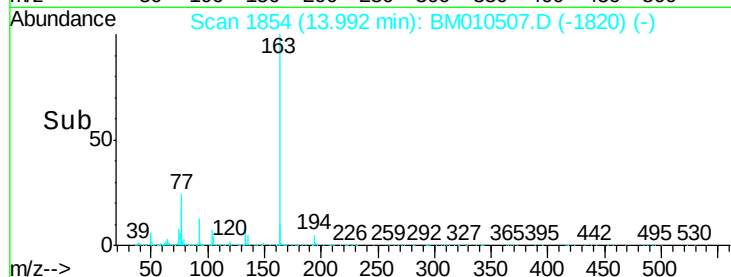
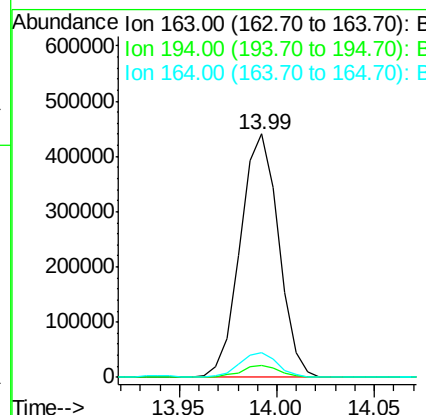
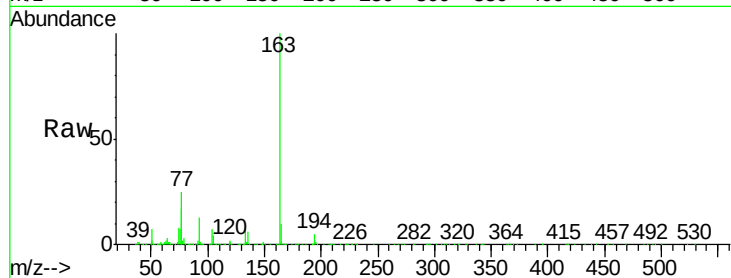




#44
Dimethylphthalate
Concen: 14.606 ng/ul
RT: 13.99 min Scan# 1854
Delta R.T. 0.00 min
Lab File: BM010507.D
Acq: 11 Jun 2017 04:10

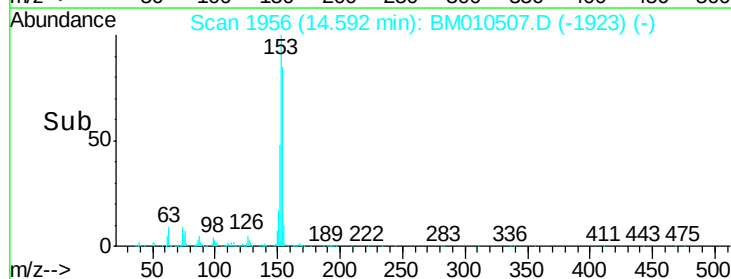
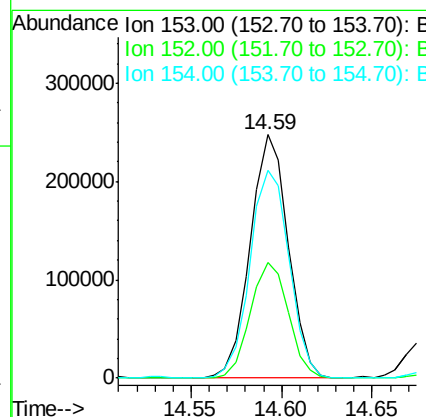
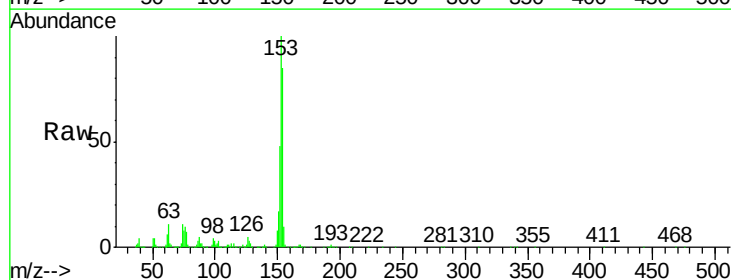
Instrument :
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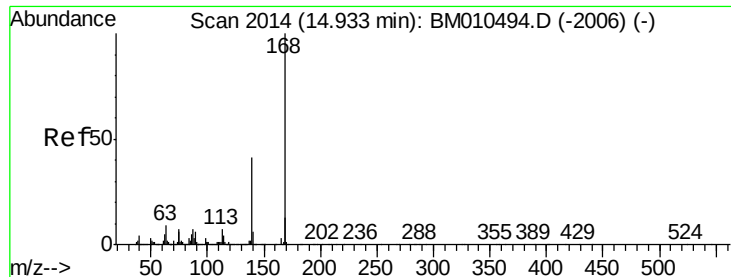
Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.5	5.3
164	10.0	8.2	12.4



#49
Acenaphthene
Concen: 10.857 ng/ul
RT: 14.59 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BM010507.D
Acq: 11 Jun 2017 04:10

Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.7	37.6	56.4
154	85.4	70.4	105.6





#53

Dibenzenofuran

Concen: 10.260 ng/ul

RT: 14.93 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BM010507.D

Acq: 11 Jun 2017 04:10

Instrument :

BNA_M

ClientSampleId :

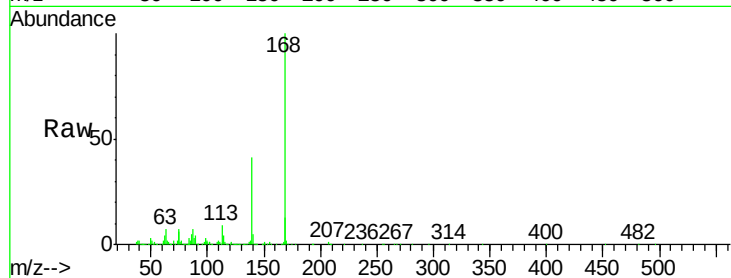
F5C87

Tgt Ion:168 Resp: 505281

Ion Ratio Lower Upper

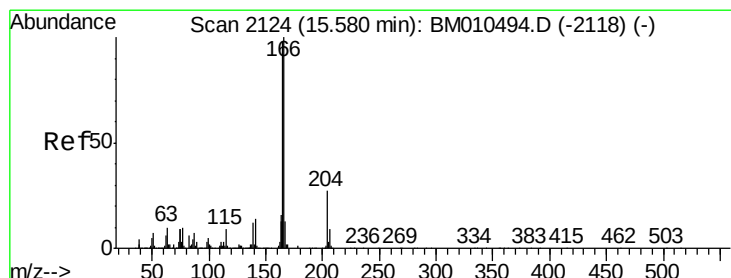
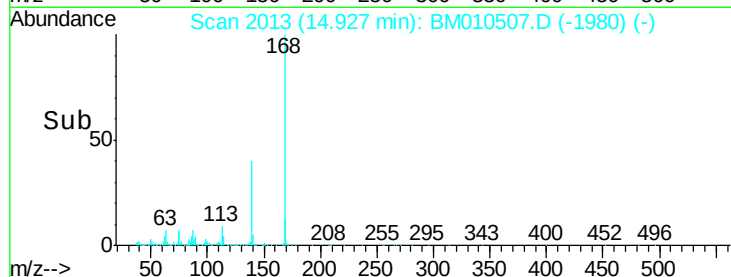
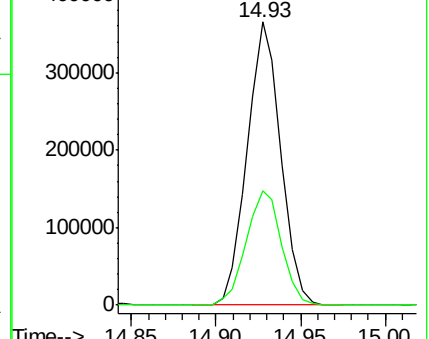
168 100

139 40.6 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 11.875 ng/ul

RT: 15.57 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BM010507.D

Acq: 11 Jun 2017 04:10

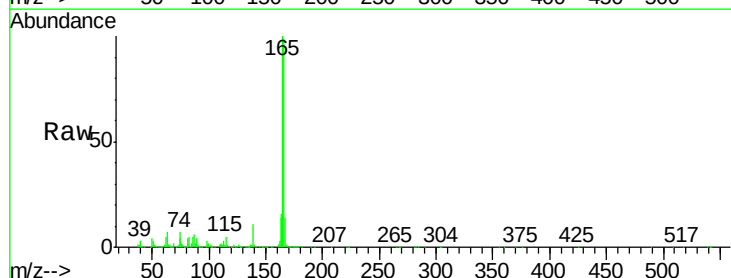
Tgt Ion:166 Resp: 479692

Ion Ratio Lower Upper

166 100

165 100.9 77.9 116.9

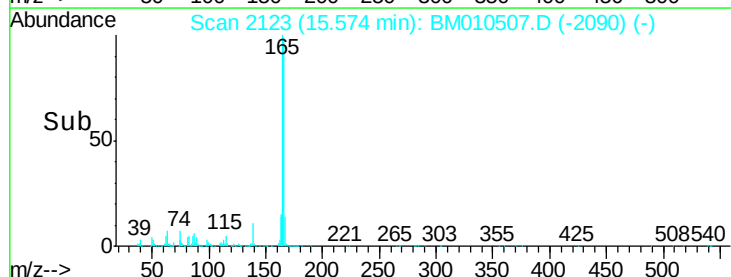
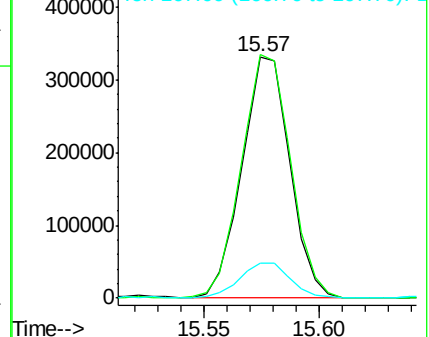
167 14.6 10.6 16.0

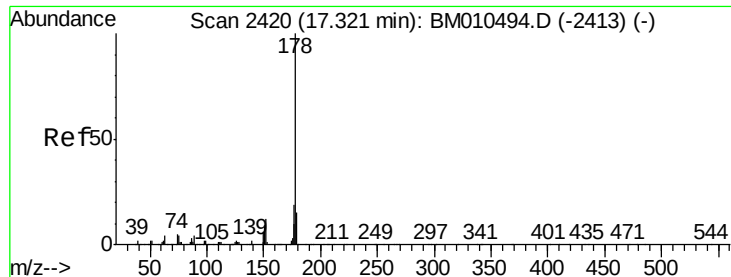


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 37.116 ng/ul

RT: 17.32 min Scan# 2420

Delta R.T. 0.00 min

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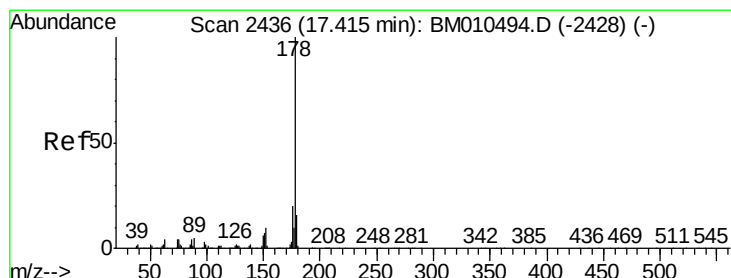
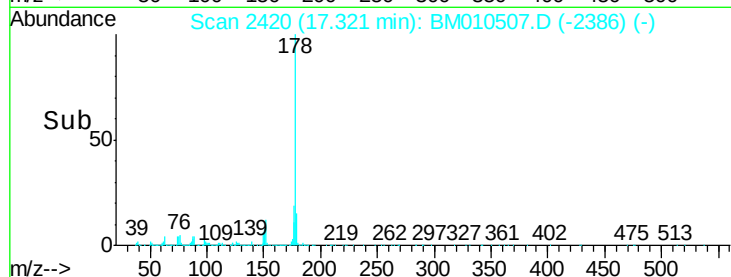
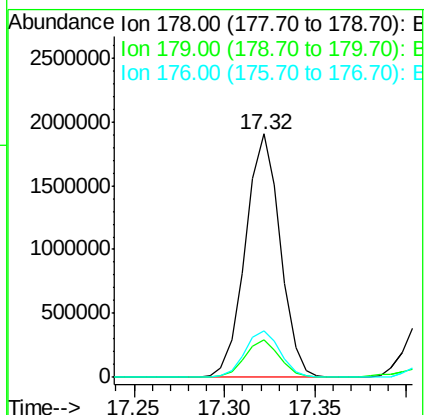
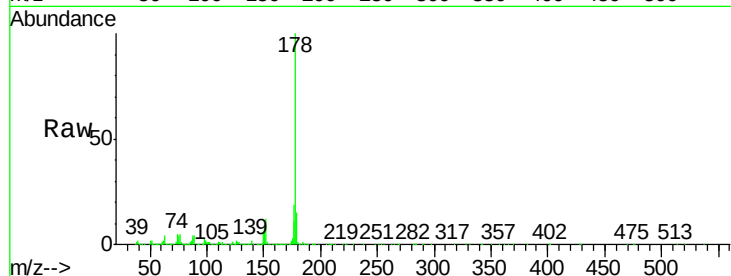
Tgt Ion:178 Resp: 2536936

Ion Ratio Lower Upper

178 100

179 15.2 12.6 19.0

176 18.8 14.9 22.3



#71

Anthracene

Concen: 10.499 ng/ul

RT: 17.41 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BM010507.D

Acq: 11 Jun 2017 04:10

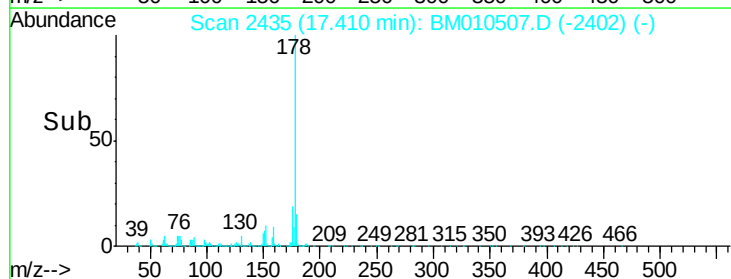
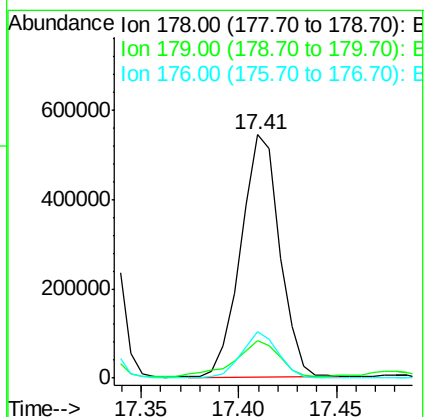
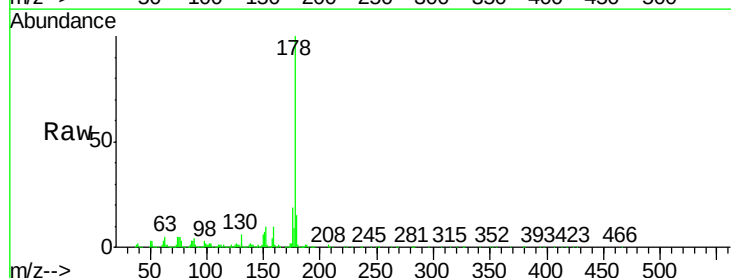
Tgt Ion:178 Resp: 749185

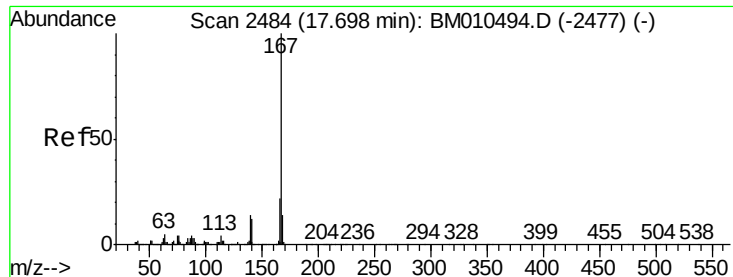
Ion Ratio Lower Upper

178 100

179 15.4 11.7 17.5

176 19.0 14.6 21.8





#72

Carbazole

Concen: 7.979 ng/ul

RT: 17.70 min Scan# 2484

Delta R.T. 0.00 min

Lab File: BM010507.D

Acq: 11 Jun 2017 04:10

Instrument :

BNA_M

ClientSampleId :

F5C87

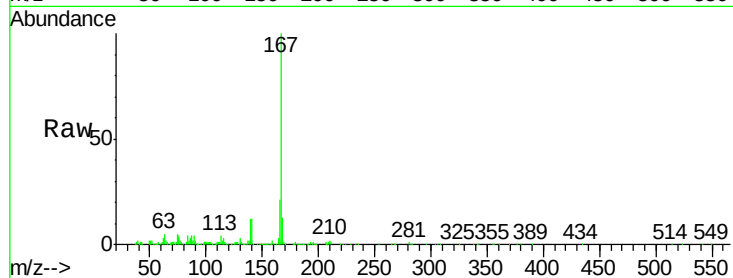
Tgt Ion:167 Resp: 481895

Ion Ratio Lower Upper

167 100

166 21.2 17.1 25.7

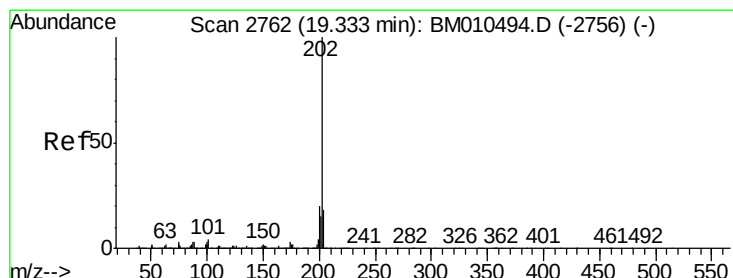
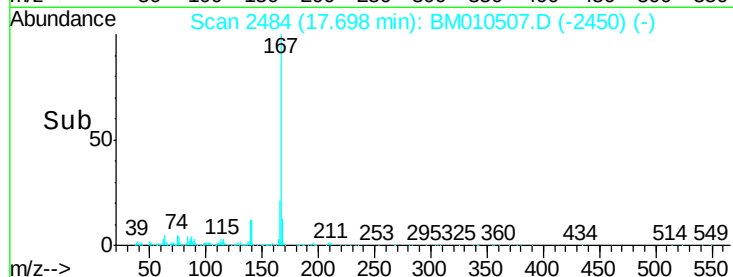
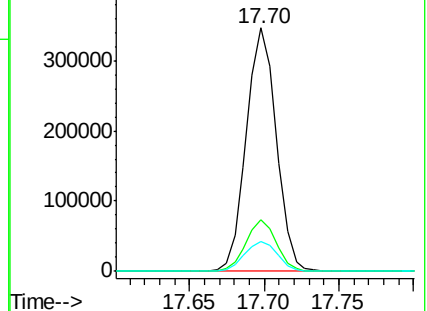
139 12.4 10.0 15.0



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: 18.769 ng/ul

RT: 19.33 min Scan# 2761

Delta R.T. -0.01 min

Lab File: BM010507.D

Acq: 11 Jun 2017 04:10

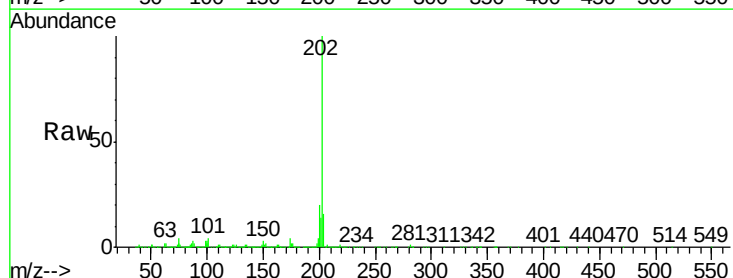
Tgt Ion:202 Resp: 1577579

Ion Ratio Lower Upper

202 100

101 4.0 4.6 7.0#

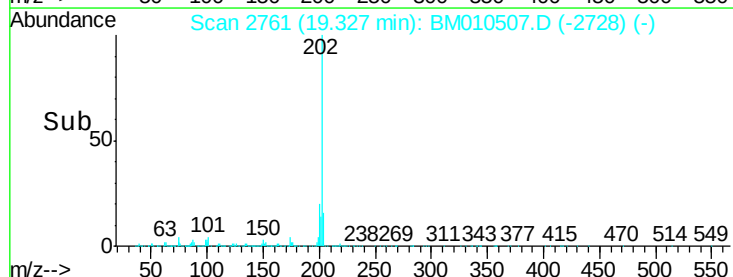
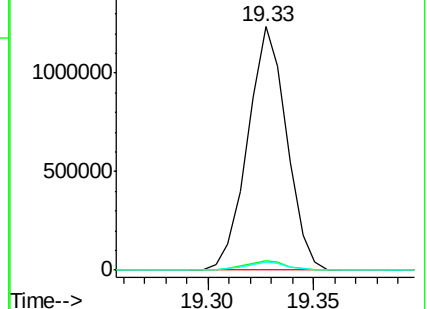
100 3.1 3.4 5.2#

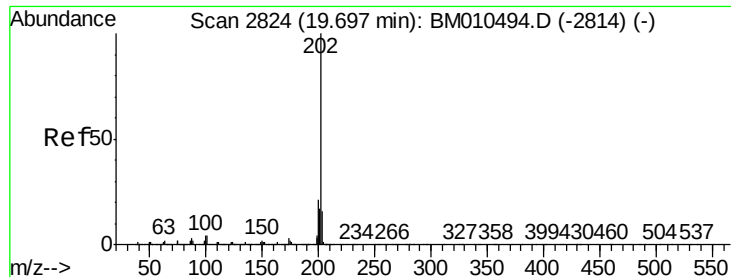


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pyrene

Concen: 12.868 ng/ul

RT: 19.70 min Scan# 2824

Delta R.T. 0.00 min

Lab File: BM010507.D

Acq: 11 Jun 2017 04:10

Instrument :

BNA_M

ClientSampleId :

F5C87

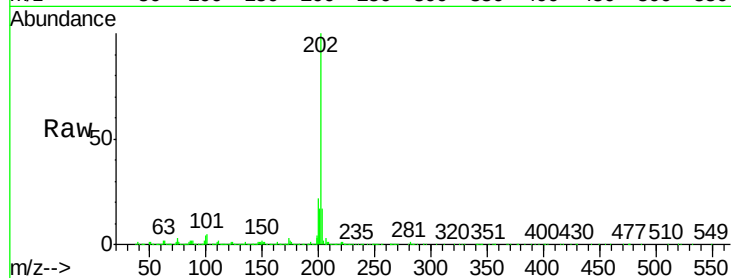
Tgt Ion:202 Resp: 1073342

Ion Ratio Lower Upper

202 100

101 5.0 5.1 7.7#

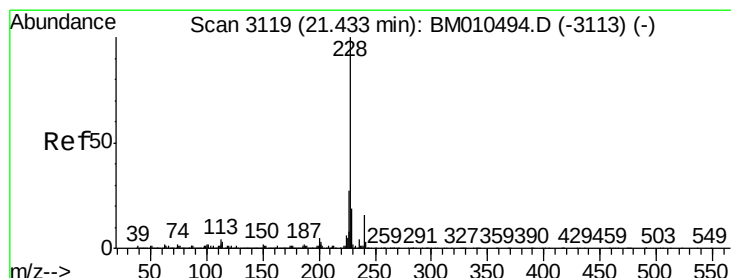
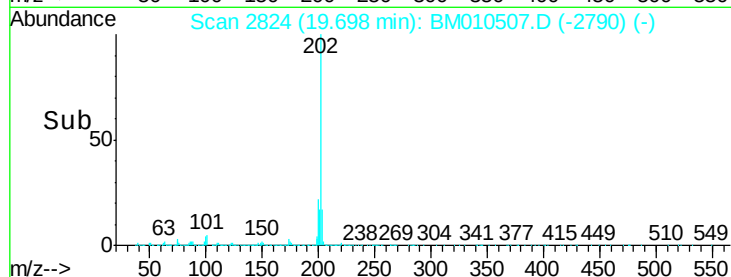
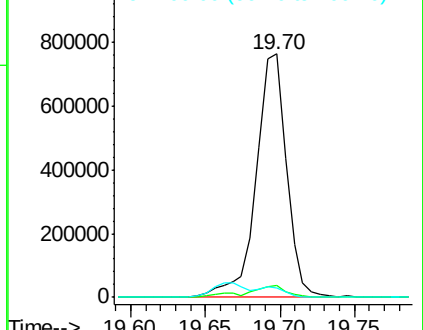
100 3.6 4.9 7.3#



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: 3.780 ng/ul

RT: 21.43 min Scan# 3118

Delta R.T. -0.01 min

Lab File: BM010507.D

Acq: 11 Jun 2017 04:10

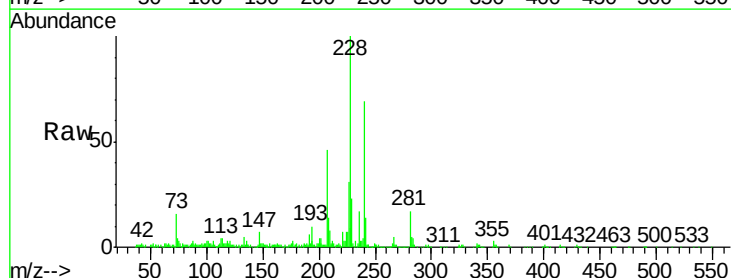
Tgt Ion:228 Resp: 345072

Ion Ratio Lower Upper

228 100

229 22.6 15.4 23.0

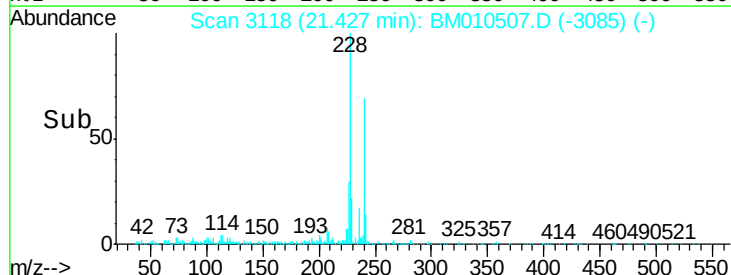
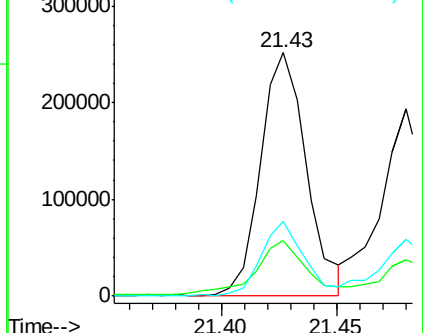
226 30.6 21.4 32.0

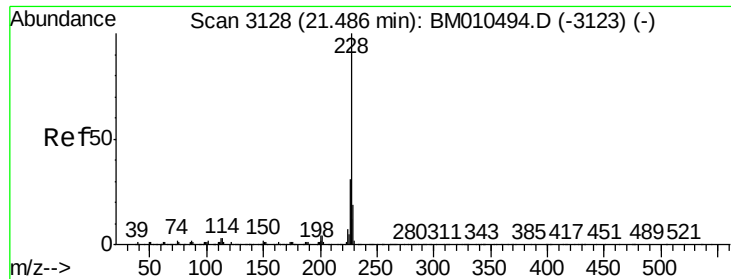


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 3.076 ng/ul

RT: 21.48 min Scan# 3127

Delta R.T. -0.01 min

Lab File: BM010507.D

Acq: 11 Jun 2017 04:10

Instrument :

BNA_M

ClientSampleId :

F5C87

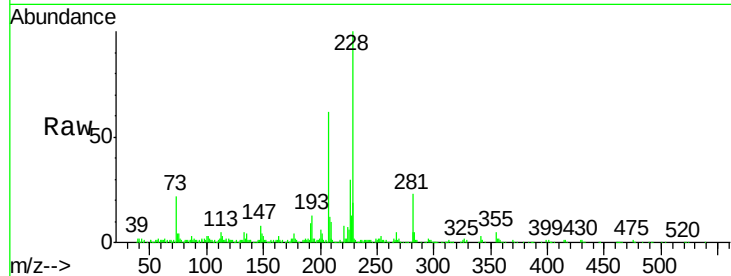
Tgt Ion:228 Resp: 253824

Ion Ratio Lower Upper

228 100

226 30.5 23.4 35.2

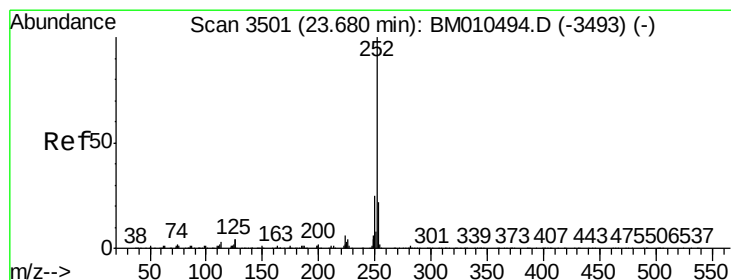
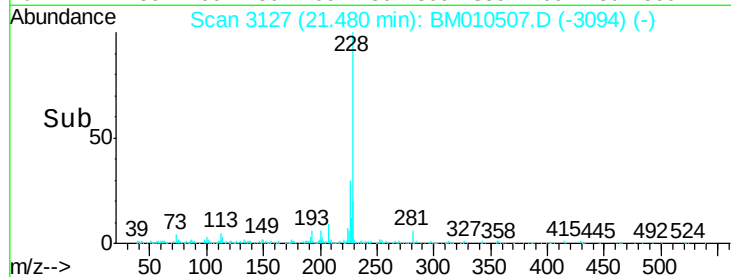
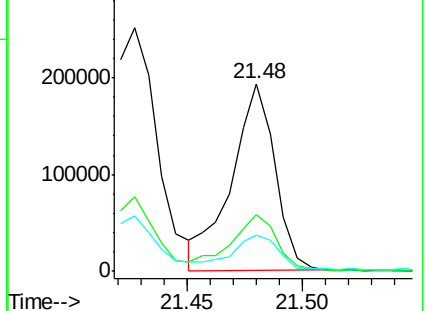
229 19.5 15.5 23.3



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



#88

Benzo(a)pyrene

Concen: 1.315 ng/ul

RT: 23.67 min Scan# 3500

Delta R.T. -0.01 min

Lab File: BM010507.D

Acq: 11 Jun 2017 04:10

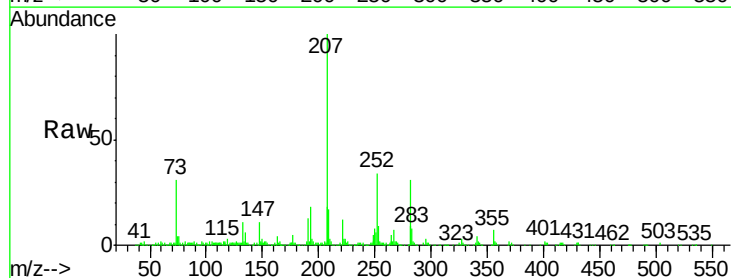
Tgt Ion:252 Resp: 120763

Ion Ratio Lower Upper

252 100

253 26.7 18.2 27.2

125 3.1 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

