

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_M\DATA\BM062617\
 Data File : BM010771.D
 Acq On : 27 Jun 2017 17:00
 Operator : SJ/JU
 Sample : I3522-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5C78

Quant Time: Jun 28 01:47:36 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 28 01:45:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	80023	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	344827	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.11	164	226265	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.86	188	562404	20.00	ng/ul	0.00
75) Chrysene-d12	21.09	240	620194	20.00	ng/ul	0.01
83) Perylene-d12	23.24	264	446289	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.07	96	7182	5.14	ng/uL	0.00
5) Phenol-d5	6.64	99	184986	24.27	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	103312	23.74	ng/ul	0.00
9) 2-Chlorophenol-d4	6.99	132	139581	26.10	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	146880	23.24	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	75778	30.81	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	88149	31.11	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	171972	28.82	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	131067	20.85	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	583046	29.35	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	675379	29.23	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	80108	22.92	ng/ul	0.00
57) Fluorene-d10	15.11	176	497178	28.96	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	99802	28.89	ng/ul	0.00
70) Anthracene-d10	16.96	188	805132	29.64	ng/ul	0.00
76) Pyrene-d10	19.28	212	926042	32.14	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.11	264	603272	27.97	ng/ul	0.03

Target Compounds

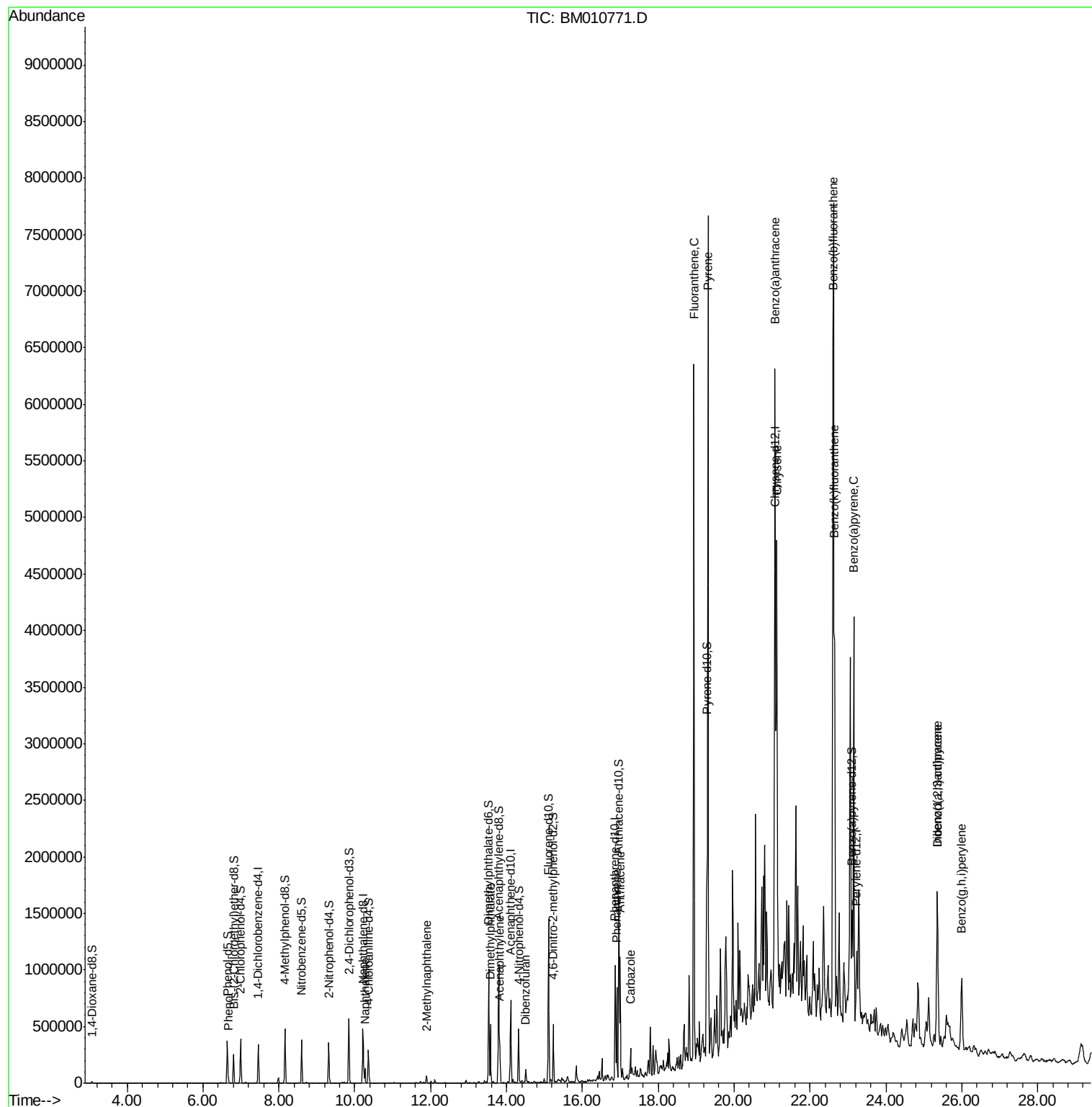
					Qvalue	
6) Phenol	6.67	94	14843	1.890	ng/ul#	94
28) Naphthalene	10.27	128	92028	5.363	ng/ul	97
34) 2-Methylnaphthalene	11.89	142	28316	2.053	ng/ul	85
44) Dimethylphthalate	13.57	163	283095	14.540	ng/ul	99
47) Acenaphthylene	13.83	152	197423	8.972	ng/ul	98
53) Dibenzofuran	14.51	168	58930	2.621	ng/ul	92
69) Phenanthrene	16.90	178	434305	14.526	ng/ul	99
71) Anthracene	17.00	178	601621	19.531	ng/ul	99
72) Carbazole	17.27	167	142820	5.314	ng/ul	98
74) Fluoranthene	18.94	202	3431420	89.051	ng/ul#	96
77) Pyrene	19.32	202	4430524	123.680	ng/ul#	97
80) Benzo(a)anthracene	21.07	228	2787357	77.178	ng/ul	94
82) Chrysene	21.13	228	2811647	87.315	ng/ul	96
85) Benzo(b)fluoranthene	22.62	252	5702761	196.850	ng/ul#	99
86) Benzo(k)fluoranthene	22.65	252	1930547	70.293	ng/ul#	97
88) Benzo(a)pyrene	23.16	252	2285208	85.683	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.36	276	1236592	44.705	ng/ul	99
90) Dibenzo(a,h)anthracene	25.36	278	362610	15.730	ng/ul#	91
91) Benzo(g,h,i)perylene	26.00	276	805984	36.603	ng/ul	97

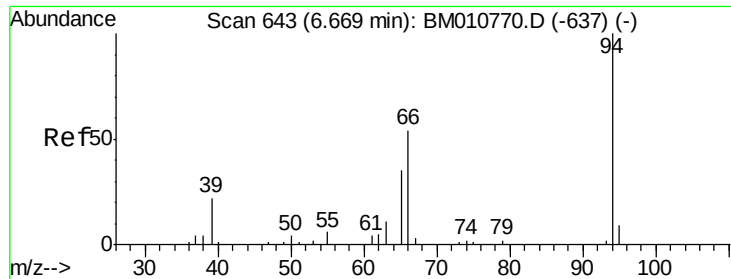
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.890 ng/ul

RT: 6.67 min Scan# 643

Delta R.T. -0.00 min

Lab File: BM010771.D

Acq: 27 Jun 2017 17:00

Instrument :

BNA_M

ClientSampleId :

F5C78

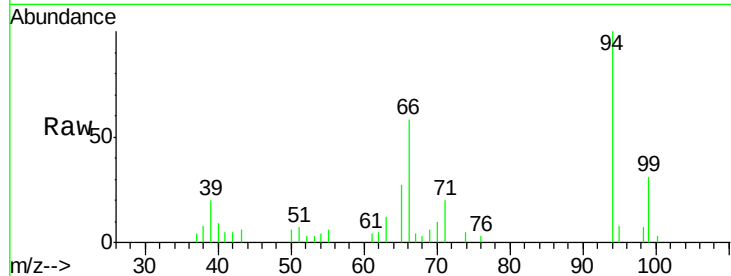
Tgt Ion: 94 Resp: 14843

Ion Ratio Lower Upper

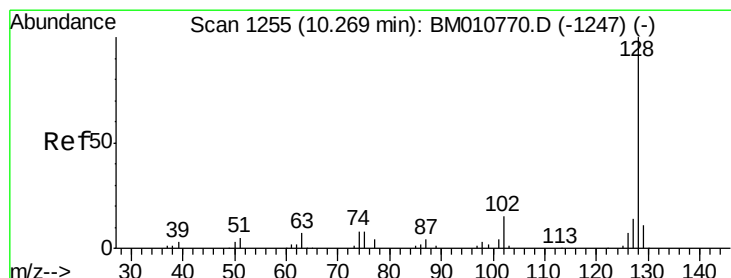
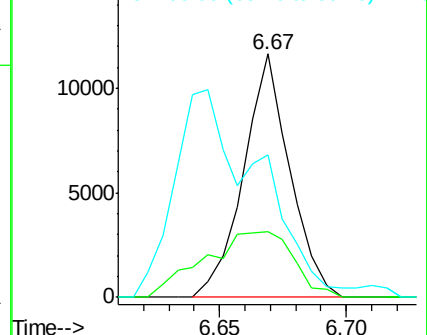
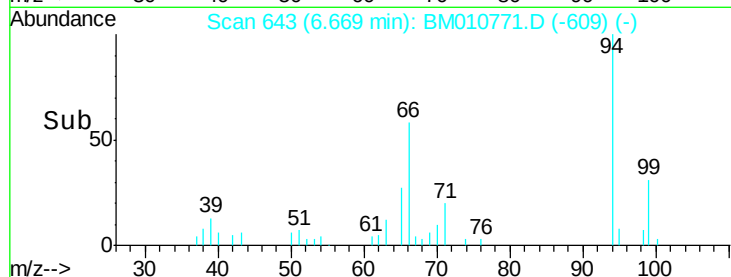
94 100

65 27.1 28.2 42.4#

66 58.3 47.2 70.8



Abundance Ion 94.00 (93.70 to 94.70): BM010771.D (-609) (-)



#28

Naphthalene

Concen: 5.363 ng/ul

RT: 10.27 min Scan# 1255

Delta R.T. -0.00 min

Lab File: BM010771.D

Acq: 27 Jun 2017 17:00

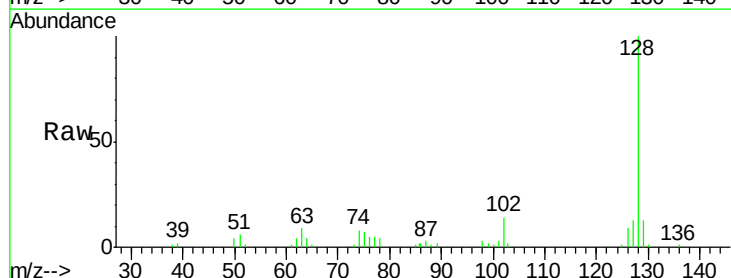
Tgt Ion: 128 Resp: 92028

Ion Ratio Lower Upper

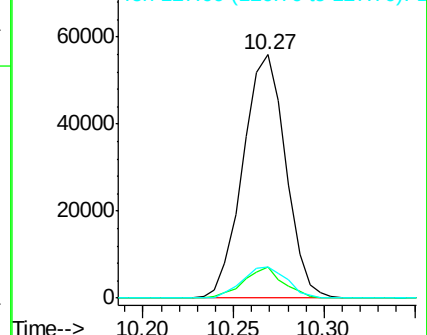
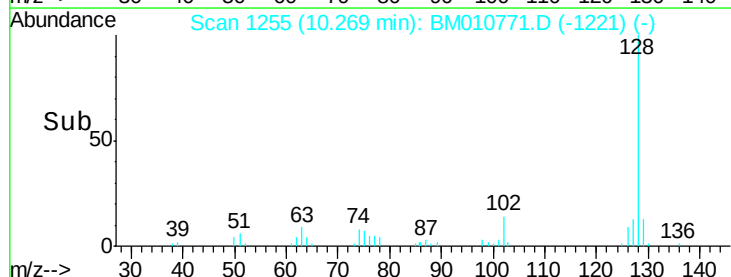
128 100

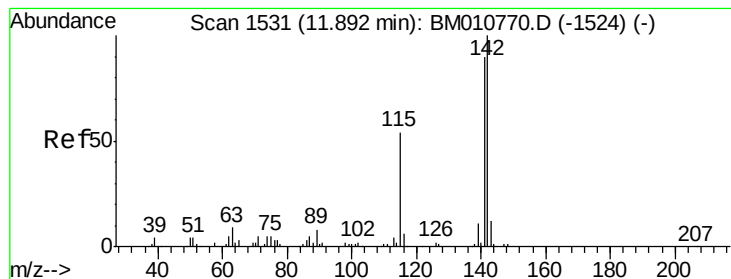
129 12.6 8.8 13.2

127 12.8 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): BM010771.D (-1221) (-)





#34

2-Methylnaphthalene

Concen: 2.053 ng/ul

RT: 11.89 min Scan# 1531

Delta R.T. -0.00 min

Lab File: BM010771.D

Acq: 27 Jun 2017 17:00

Instrument :

BNA_M

ClientSampleId :

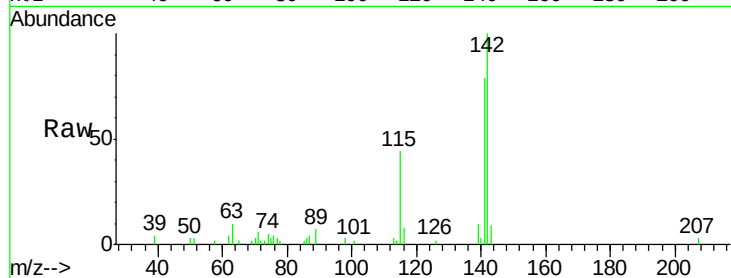
F5C78

Tgt Ion:142 Resp: 28316

Ion Ratio Lower Upper

142 100

141 78.6 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

20000

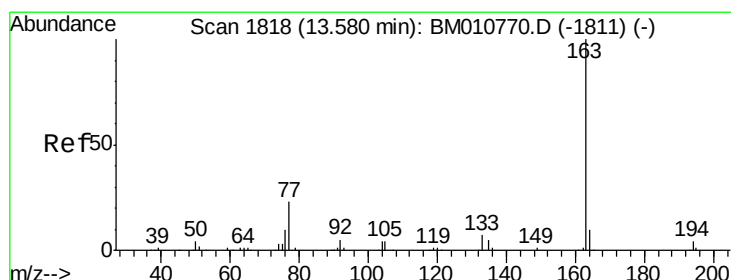
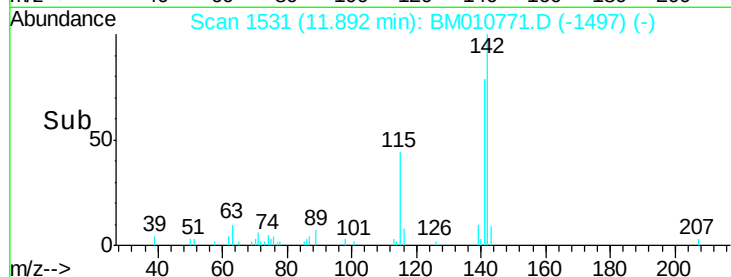
15000

10000

5000

0

Time--> 11.85 11.90



#44

Dimethylphthalate

Concen: 14.540 ng/ul

RT: 13.57 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BM010771.D

Acq: 27 Jun 2017 17:00

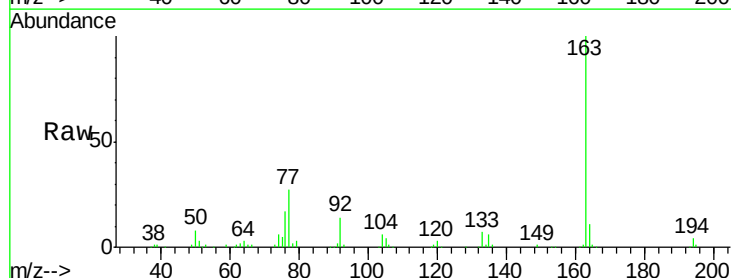
Tgt Ion:163 Resp: 283095

Ion Ratio Lower Upper

163 100

194 3.7 3.5 5.3

164 10.7 8.2 12.4



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

250000

200000

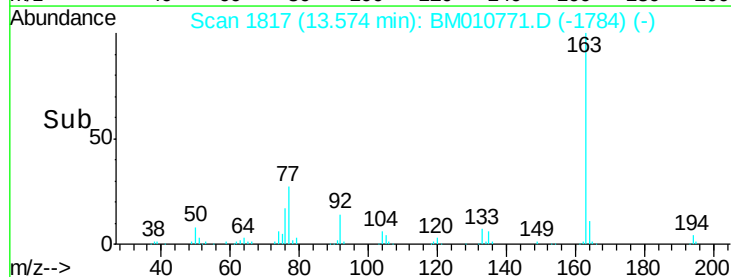
150000

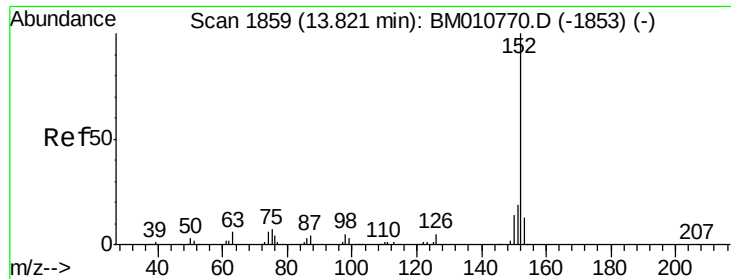
100000

50000

0

Time--> 13.50 13.55 13.60





#47

Acenaphthylene

Concen: 8.972 ng/ul

RT: 13.83 min Scan# 1860

Delta R.T. 0.01 min

Lab File: BM010771.D

Acq: 27 Jun 2017 17:00

Instrument :

BNA_M

ClientSampleId :

F5C78

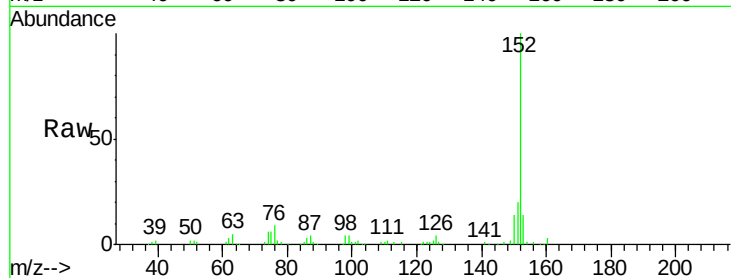
Tgt Ion:152 Resp: 197423

Ion Ratio Lower Upper

152 100

151 19.6 16.3 24.5

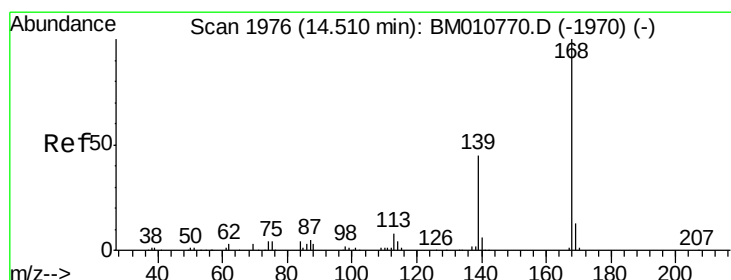
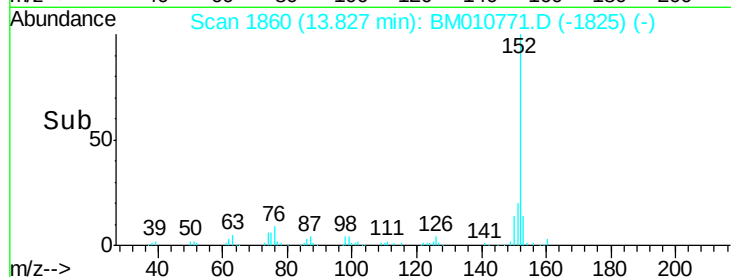
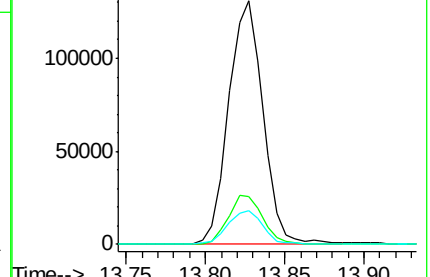
153 13.6 10.2 15.4



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



#53

Dibenzofuran

Concen: 2.621 ng/ul

RT: 14.51 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BM010771.D

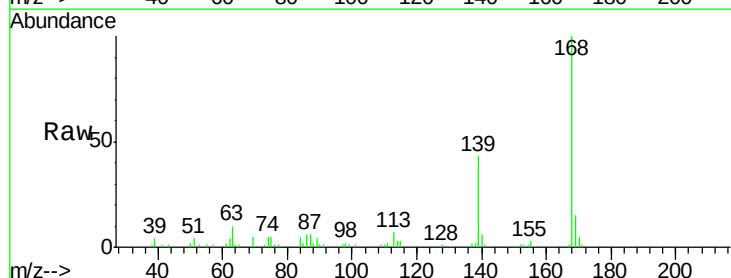
Acq: 27 Jun 2017 17:00

Tgt Ion:168 Resp: 58930

Ion Ratio Lower Upper

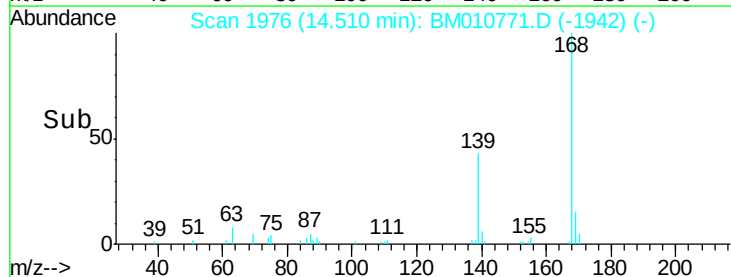
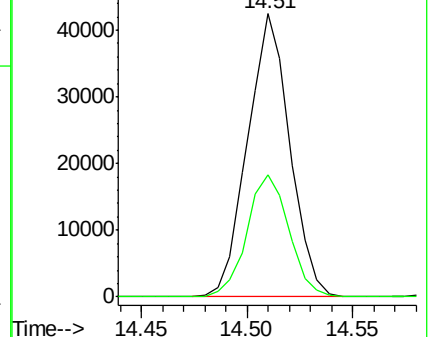
168 100

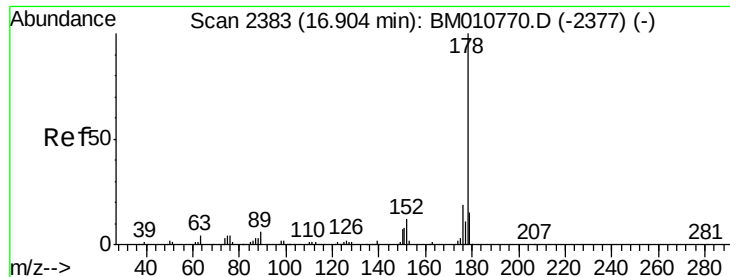
139 43.2 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#69

Phenanthrene

Concen: 14.526 ng/ul

RT: 16.90 min Scan# 2383

Delta R.T. -0.00 min

Lab File: BM010771.D

Acq: 27 Jun 2017 17:00

Instrument :

BNA_M

ClientSampleId :

F5C78

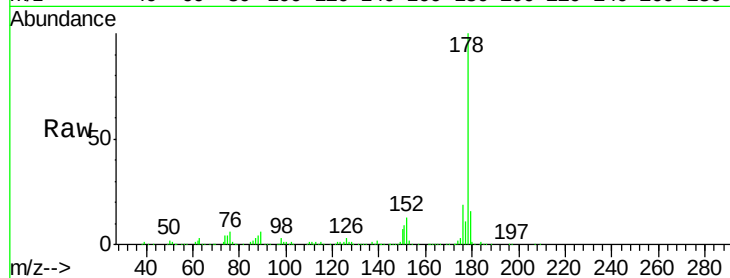
Tgt Ion:178 Resp: 434305

Ion Ratio Lower Upper

178 100

179 15.7 12.6 19.0

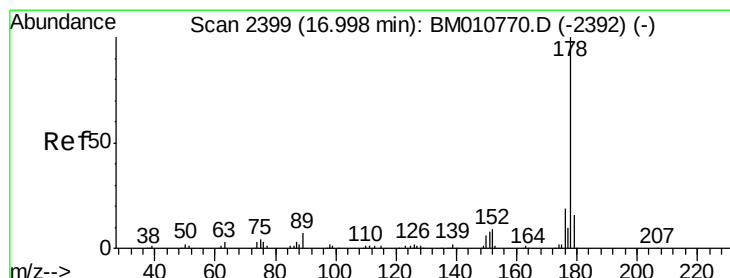
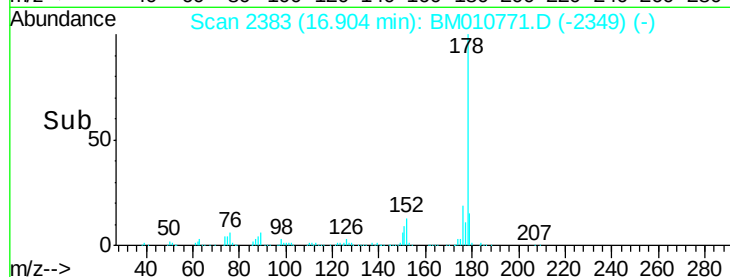
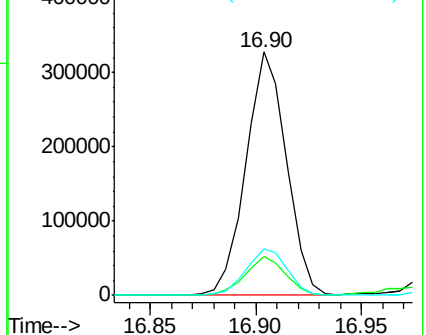
176 19.1 14.9 22.3



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: 19.531 ng/ul

RT: 17.00 min Scan# 2399

Delta R.T. -0.00 min

Lab File: BM010771.D

Acq: 27 Jun 2017 17:00

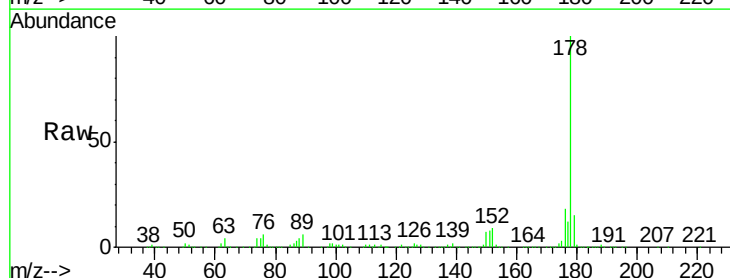
Tgt Ion:178 Resp: 601621

Ion Ratio Lower Upper

178 100

179 15.1 11.7 17.5

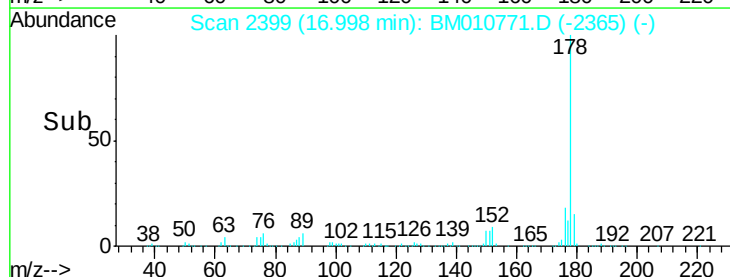
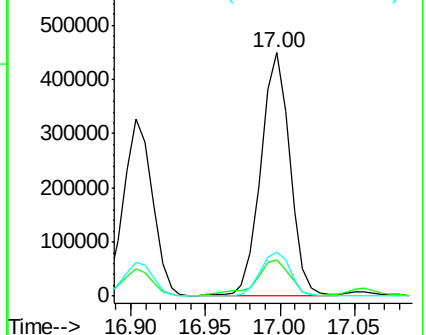
176 18.2 14.6 21.8

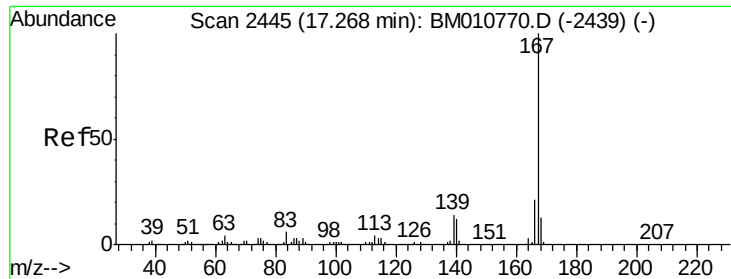


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 5.314 ng/ul

RT: 17.27 min Scan# 2445

Delta R.T. -0.00 min

Lab File: BM010771.D

Acq: 27 Jun 2017 17:00

Instrument :

BNA_M

ClientSampled :

F5C78

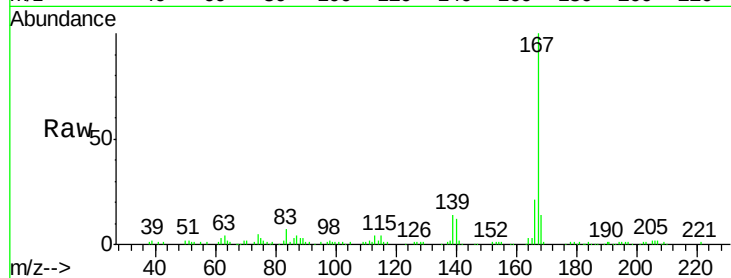
Tgt Ion:167 Resp: 142820

Ion Ratio Lower Upper

167 100

166 21.0 17.1 25.7

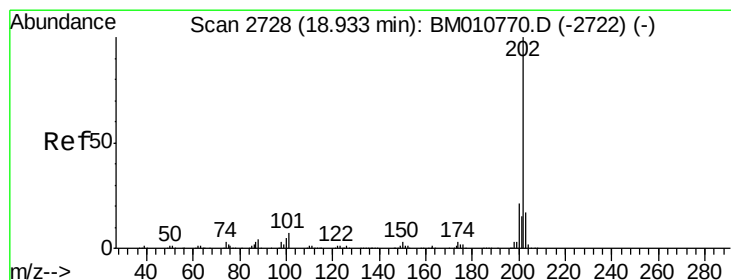
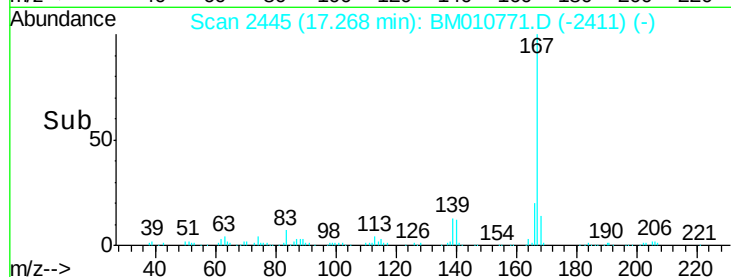
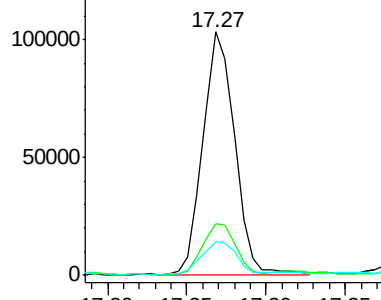
139 14.0 10.0 15.0



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: 89.051 ng/ul

RT: 18.94 min Scan# 2730

Delta R.T. 0.01 min

Lab File: BM010771.D

Acq: 27 Jun 2017 17:00

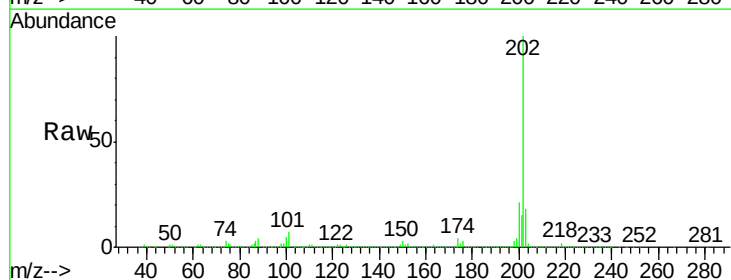
Tgt Ion:202 Resp: 3431420

Ion Ratio Lower Upper

202 100

101 7.3 4.6 7.0#

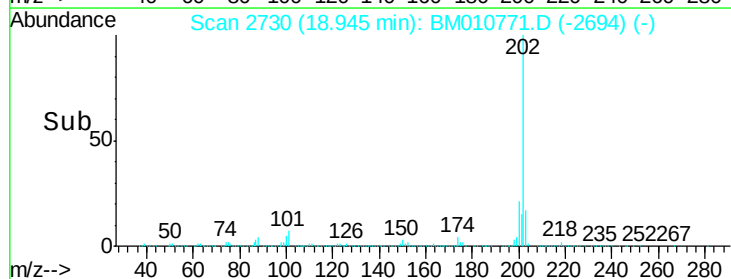
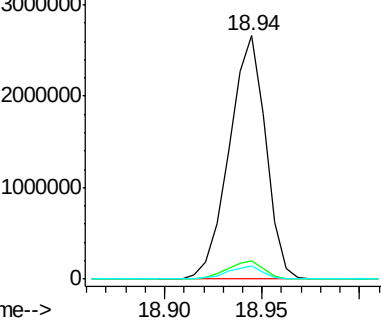
100 5.3 3.4 5.2#

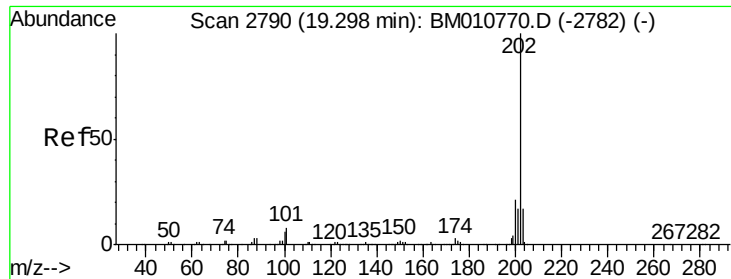


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 123.680 ng/ul

RT: 19.32 min Scan# 2793

Delta R.T. 0.02 min

Lab File: BM010771.D

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F5C78

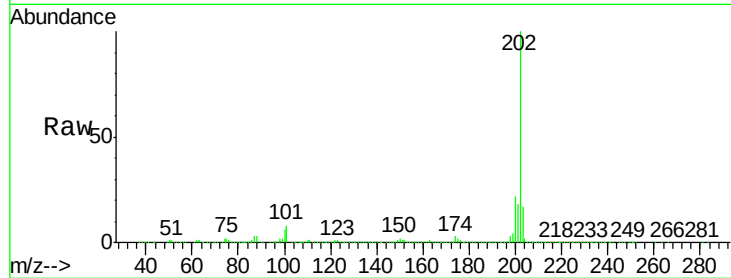
Tgt Ion:202 Resp: 4430524

Ion Ratio Lower Upper

202 100

101 8.1 5.1 7.7#

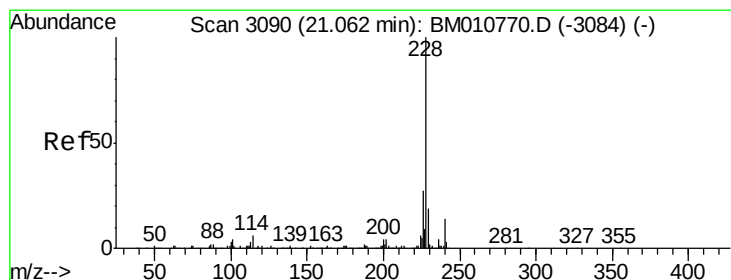
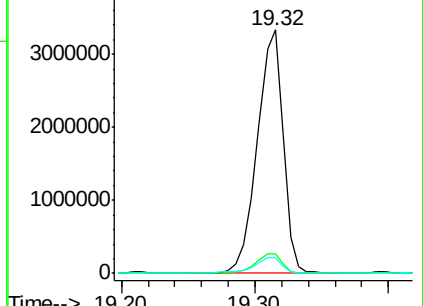
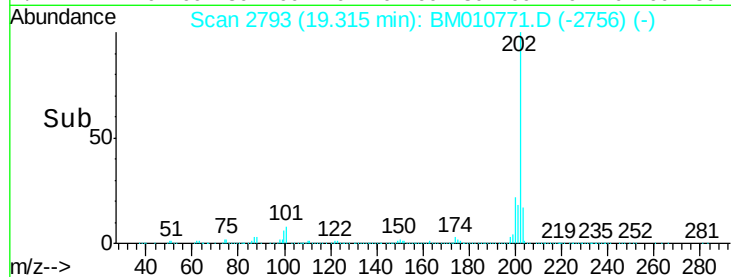
100 6.3 4.9 7.3



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: 77.178 ng/ul

RT: 21.07 min Scan# 3092

Delta R.T. 0.01 min

Lab File: BM010771.D

Acq: 27 Jun 2017 17:00

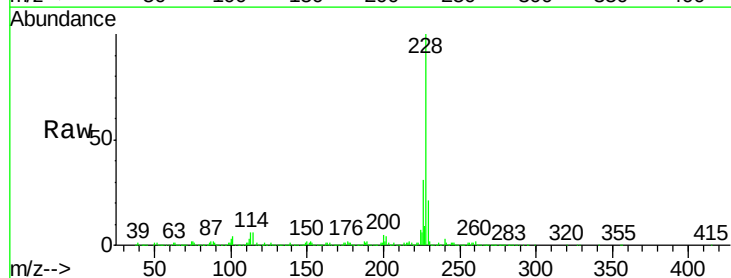
Tgt Ion:228 Resp: 2787357

Ion Ratio Lower Upper

228 100

229 20.7 15.4 23.0

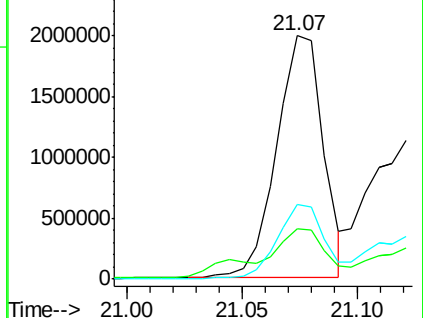
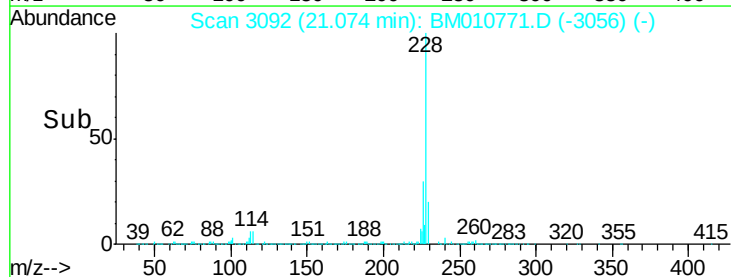
226 30.5 21.4 32.0

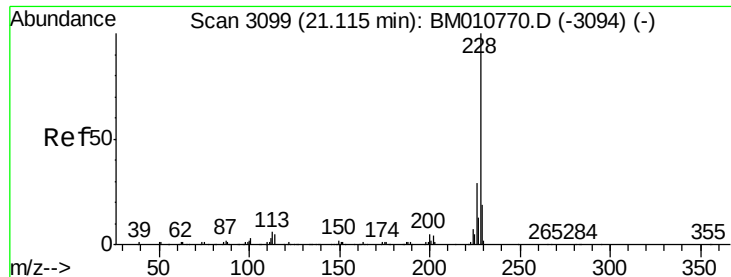


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

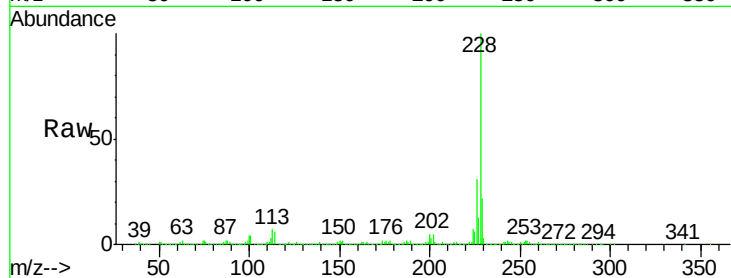




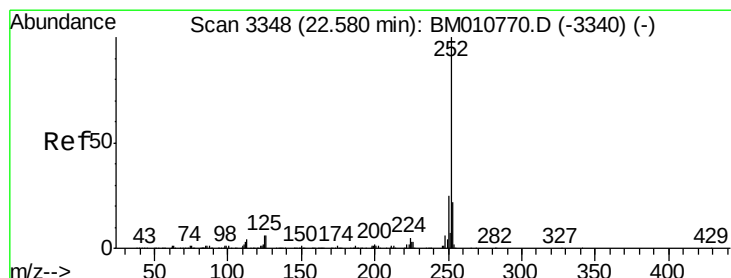
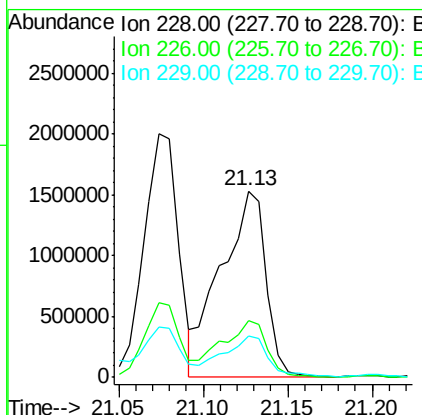
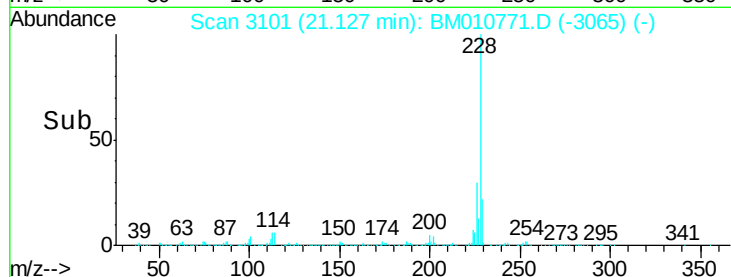
#82
Chrysene
Concen: 87.315 ng/ul
RT: 21.13 min Scan# 3101
Delta R.T. 0.01 min
Lab File: BM010771.D
Acq: 27 Jun 2017 17:00

Instrument :
BNA_M
ClientSampleId :
F5C78

Tgt Ion: 228 Resp: 2811647
Ion Ratio Lower Upper
228 100
226 30.6 23.4 35.2
229 22.4 15.5 23.3

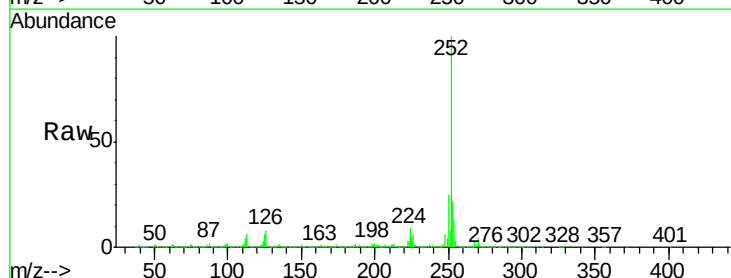


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

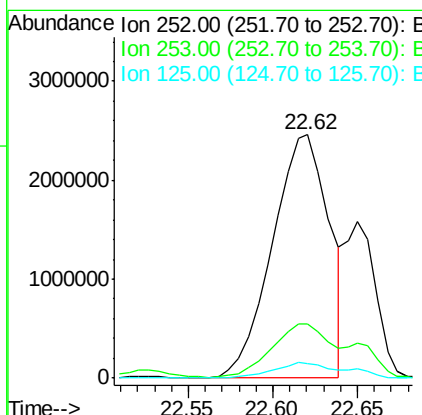
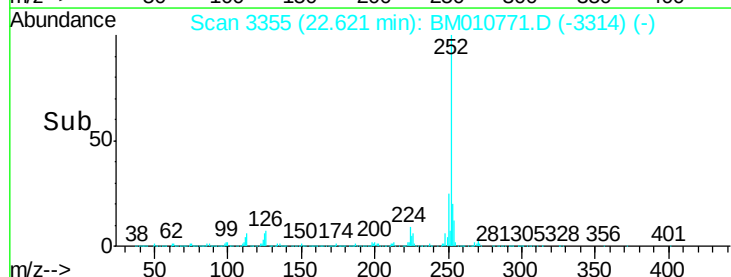


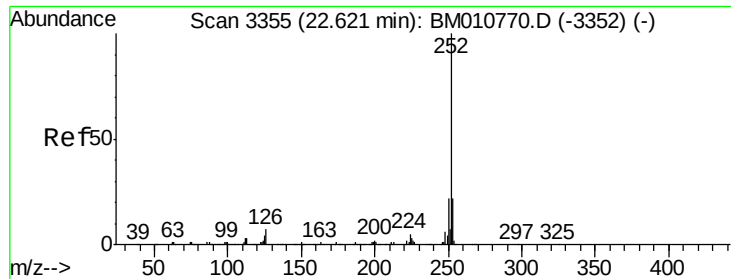
#85
Benzo(b)fluoranthene
Concen: 196.850 ng/ul
RT: 22.62 min Scan# 3355
Delta R.T. 0.04 min
Lab File: BM010771.D
Acq: 27 Jun 2017 17:00

Tgt Ion: 252 Resp: 5702761
Ion Ratio Lower Upper
252 100
253 22.3 17.9 26.9
125 6.2 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

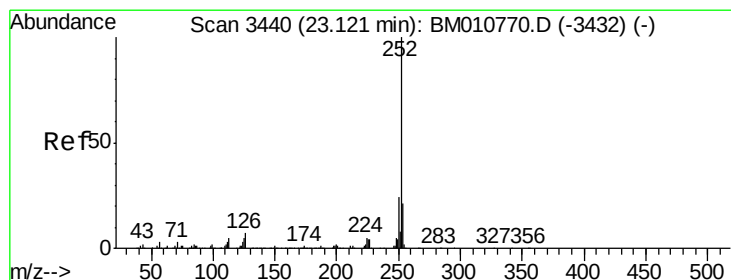
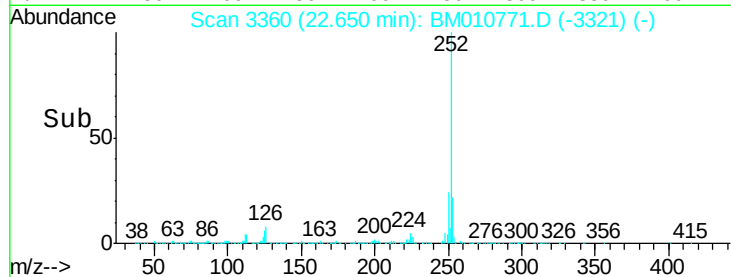
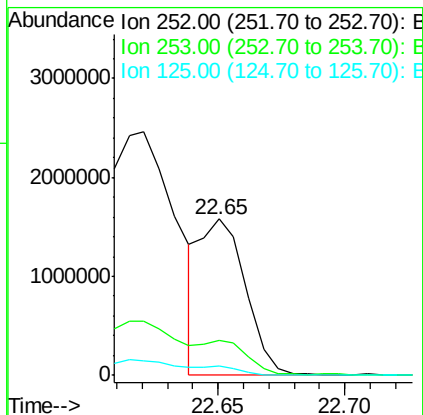
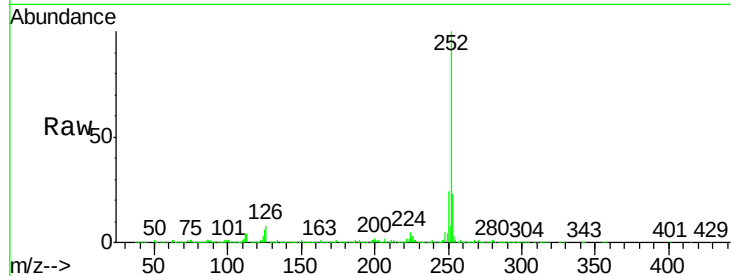




#86
Benzo(k)fluoranthene
Concen: 70.293 ng/ul
RT: 22.65 min Scan# 3360
Delta R.T. 0.03 min
Lab File: BM010771.D
Acq: 27 Jun 2017 17:00

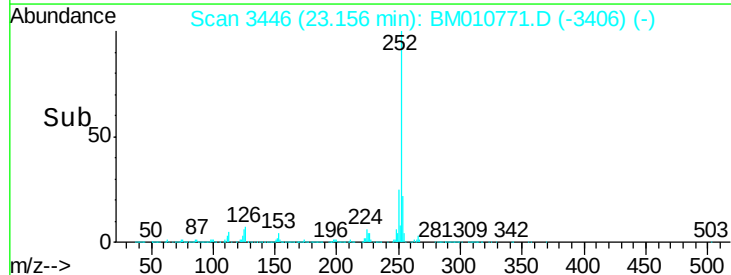
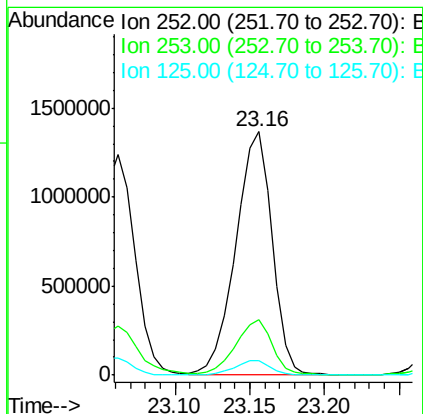
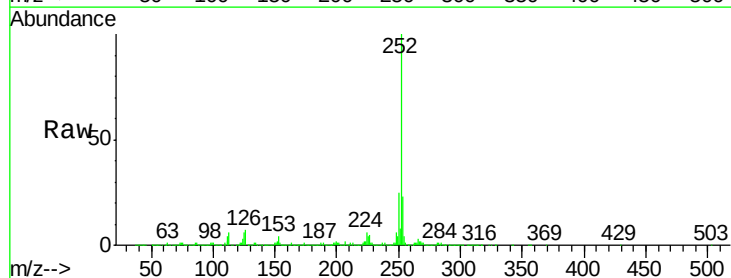
Instrument :
BNA_M
ClientSampleId :
F5C78

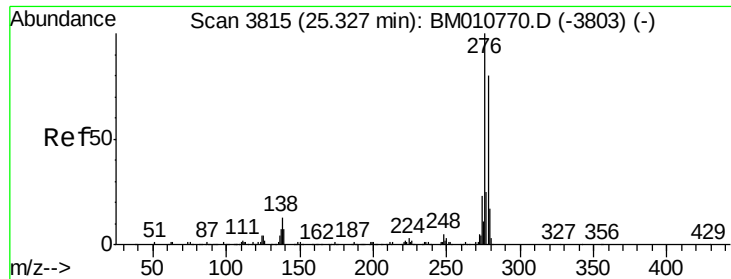
Tgt Ion:252 Resp: 1930547
Ion Ratio Lower Upper
252 100
253 22.7 17.1 25.7
125 5.6 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 85.683 ng/ul
RT: 23.16 min Scan# 3446
Delta R.T. 0.04 min
Lab File: BM010771.D
Acq: 27 Jun 2017 17:00

Tgt Ion:252 Resp: 2285208
Ion Ratio Lower Upper
252 100
253 22.9 18.2 27.2
125 5.8 4.0 6.0





#89

Indeno(1,2,3-cd)pyrene

Concen: 44.705 ng/ul

RT: 25.36 min Scan# 3820

Delta R.T. 0.03 min

Lab File: BM010771.D

Acq: 27 Jun 2017 17:00

Instrument :

BNA_M

ClientSampleId :

F5C78

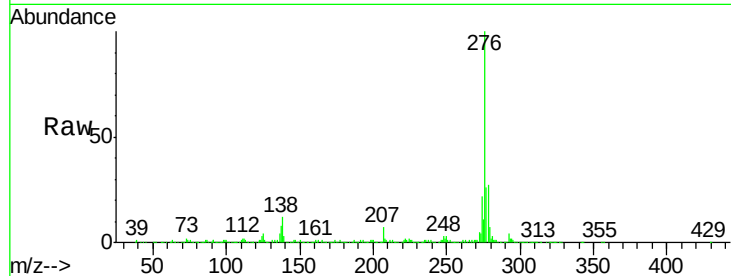
Tgt Ion:276 Resp: 1236592

Ion Ratio Lower Upper

276 100

138 11.5 9.3 13.9

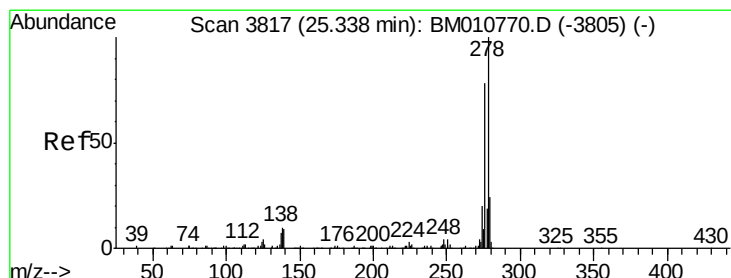
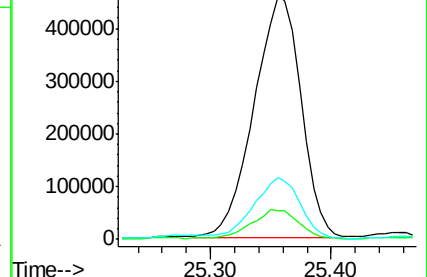
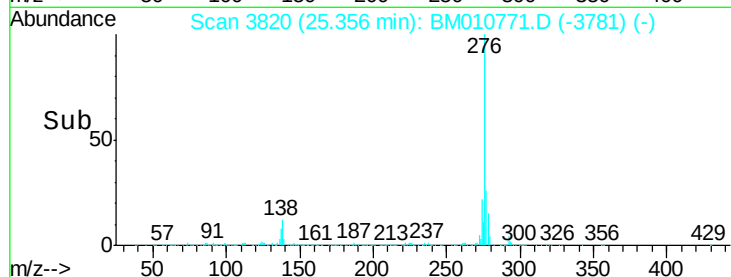
277 25.5 19.9 29.9



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



#90

Dibenzo(a,h)anthracene

Concen: 15.730 ng/ul

RT: 25.36 min Scan# 3821

Delta R.T. 0.02 min

Lab File: BM010771.D

Acq: 27 Jun 2017 17:00

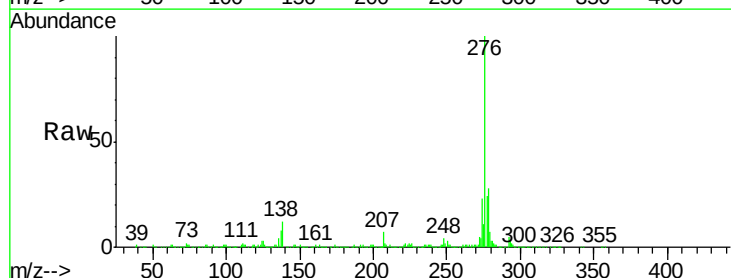
Tgt Ion:278 Resp: 362610

Ion Ratio Lower Upper

278 100

139 0.0 5.8 8.8#

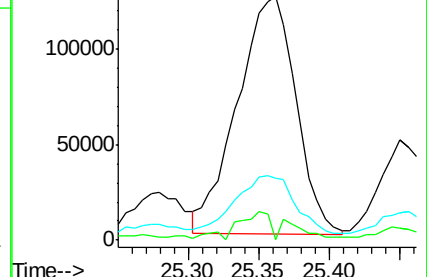
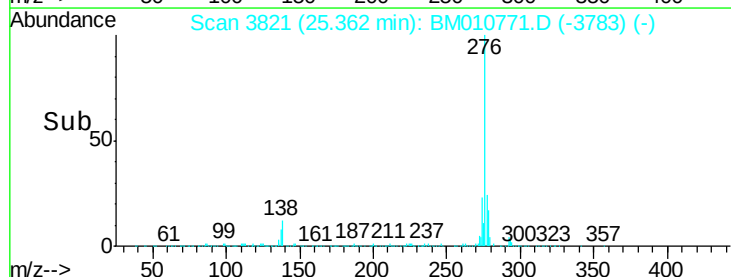
279 25.6 18.6 27.8

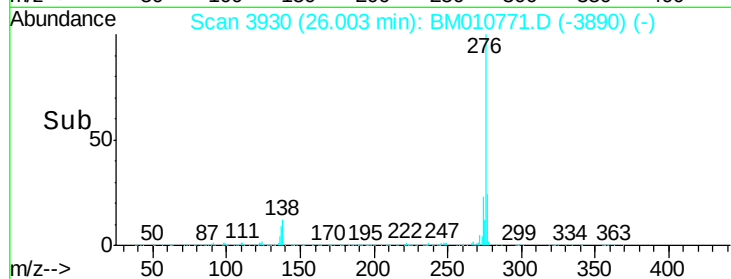
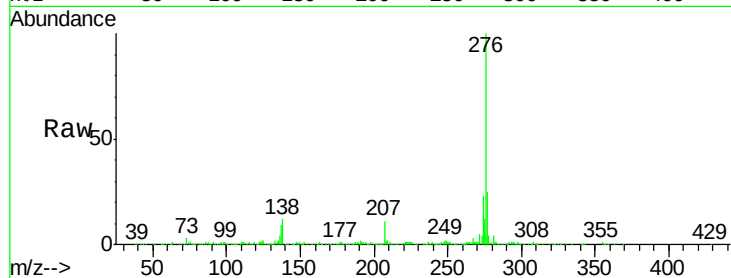
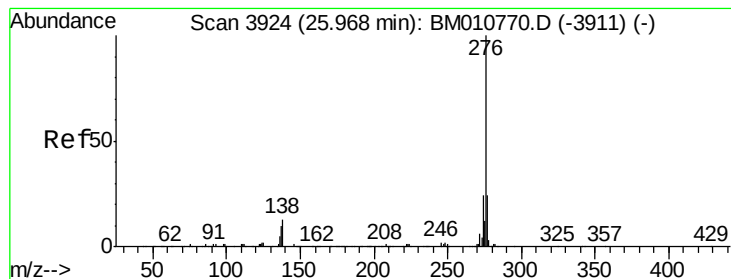


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 36.603 ng/ul

RT: 26.00 min Scan# 3930

Delta R.T. 0.04 min

Lab File: BM010771.D

Acq: 27 Jun 2017 17:00

Instrument :

BNA_M

ClientSampleId :

F5C78

Tgt Ion:276 Resp: 805984

Ion Ratio Lower Upper

276 100

138 12.3 8.5 12.7

277 24.7 18.6 28.0

