

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
 Data File : BM010723.D
 Acq On : 24 Jun 2017 11:02
 Operator : SJ/JU
 Sample : I3627-20ME 20X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5C49ME

Quant Time: Jun 26 01:51:59 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 26 01:49:13 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	82496	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	383402	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.11	164	263811	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	643103	20.00	ng/ul	0.00
75) Chrysene-d12	21.08	240	654704	20.00	ng/ul	0.00
83) Perylene-d12	23.22	264	483977	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.65	99	4572	0.58	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.82	67	2506	0.56	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	4052	0.73	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	4038	0.62	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	1445	0.53	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	2026	0.64	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	4624	0.70	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	4409	0.63	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	18485	0.80	ng/ul	0.00
46) Acenaphthylene-d8	13.79	160	20133	0.75	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	2109	0.52	ng/ul	0.00
57) Fluorene-d10	15.11	176	17016	0.85	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	1692	0.43	ng/ul	0.00
70) Anthracene-d10	16.87	188	643103	20.71	ng/ul	-0.09
76) Pyrene-d10	19.27	212	27848	0.92	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.08	264	17655	0.75	ng/ul	0.00

Target Compounds

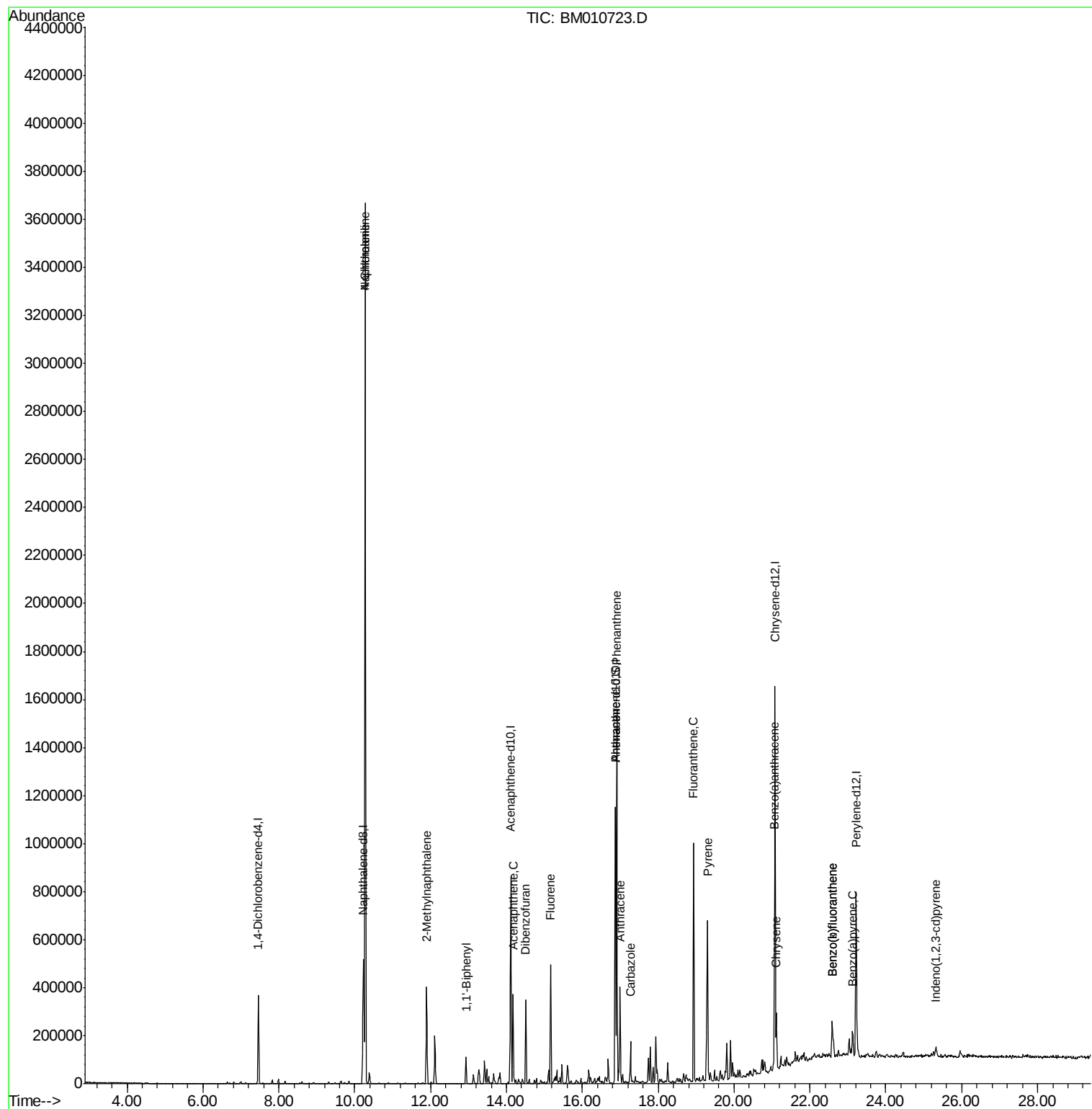
						Qvalue
28) Naphthalene	10.27	128	2630992	137.89	ng/ul	99
30) 4-Chloroaniline	10.27	127	354363	50.40	ng/ul#	28
34) 2-Methylnaphthalene	11.89	142	168299	10.97	ng/ul	97
40) 1,1'-Biphenyl	12.93	154	51915	2.52	ng/ul	98
49) Acenaphthene	14.17	153	139248	8.05	ng/ul	99
53) Dibenzofuran	14.51	168	190263	7.26	ng/ul	92
58) Fluorene	15.17	166	196869	8.97	ng/ul	99
69) Phenanthrene	16.91	178	855062	25.01	ng/ul	100
71) Anthracene	17.00	178	231671	6.58	ng/ul	97
72) Carbazole	17.27	167	94366	3.07	ng/ul	97
74) Fluoranthene	18.94	202	584377	13.26	ng/ul	98
77) Pyrene	19.30	202	420058	11.11	ng/ul	98
80) Benzo(a)anthracene	21.06	228	146449	3.84	ng/ul	96
82) Chrysene	21.12	228	123945	3.65	ng/ul	95
85) Benzo(b)fluoranthene	22.58	252	118215	3.76	ng/ul	97
86) Benzo(k)fluoranthene	22.58	252	118215	3.97	ng/ul	98
88) Benzo(a)pyrene	23.12	252	72214	2.50	ng/ul	96
89) Indeno(1,2,3-cd)pyrene	25.32	276	35916	1.20	ng/ul#	91

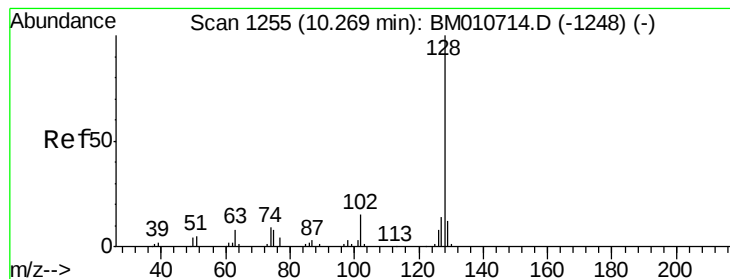
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 137.89 ng/ul

RT: 10.27 min Scan# 1256

Delta R.T. 0.01 min

Lab File: BM010723.D

Acq: 24 Jun 2017 11:02

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ClientSampleId :

F5C49ME

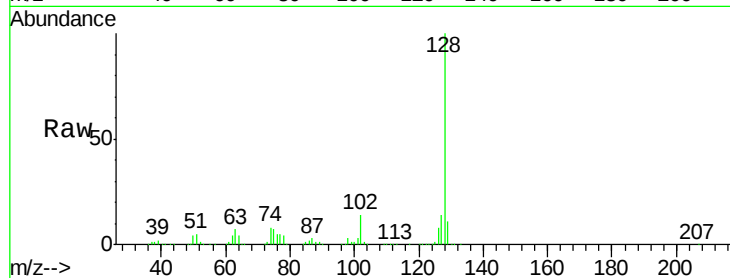
Tgt Ion:128 Resp: 2630992

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

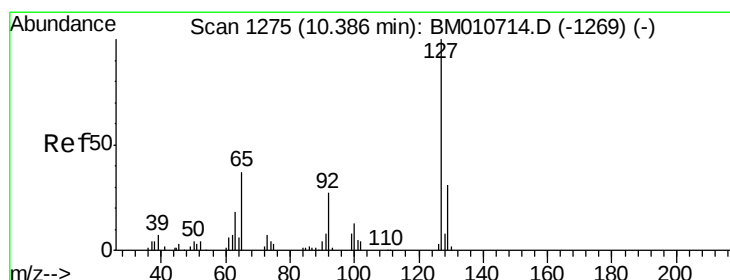
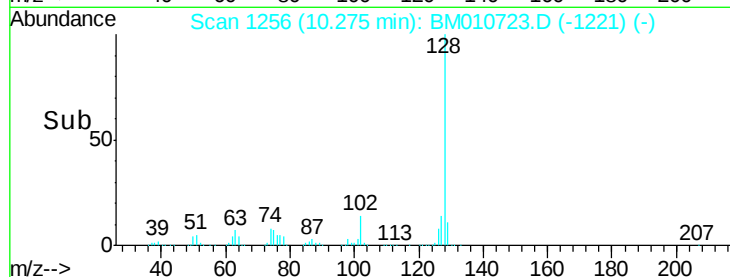
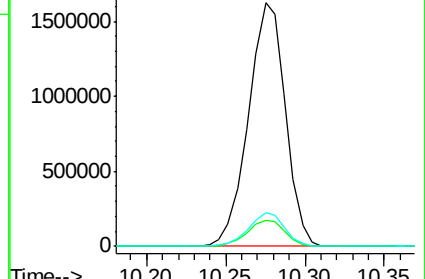
127 13.8 10.6 16.0



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: 50.40 ng/ul

RT: 10.27 min Scan# 1256

Delta R.T. -0.11 min

Lab File: BM010723.D

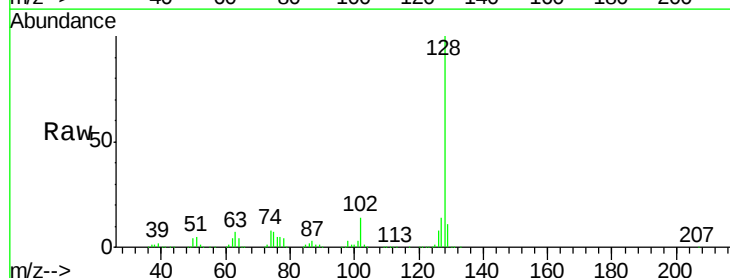
Acq: 24 Jun 2017 11:02

Tgt Ion:127 Resp: 354363

Ion Ratio Lower Upper

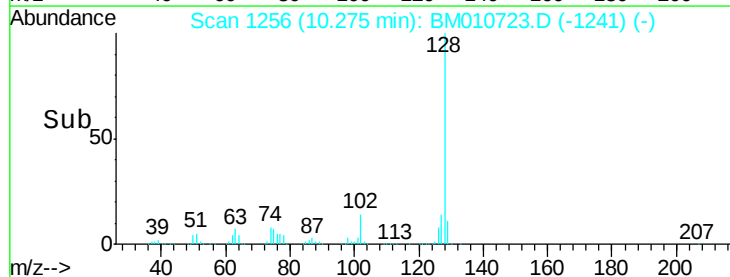
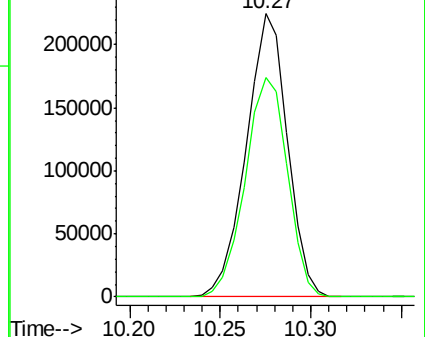
127 100

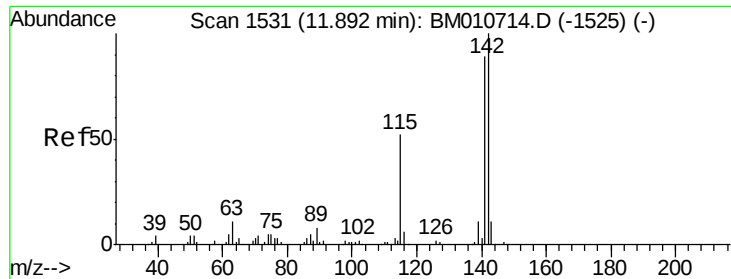
129 77.5 28.4 42.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

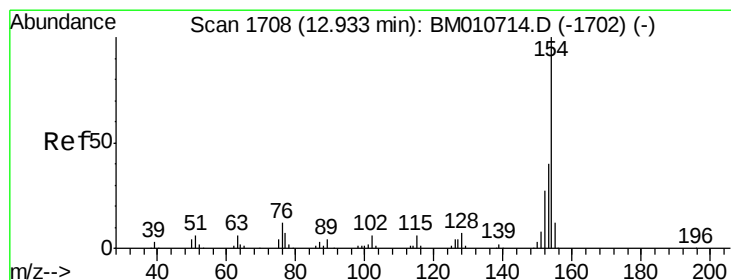
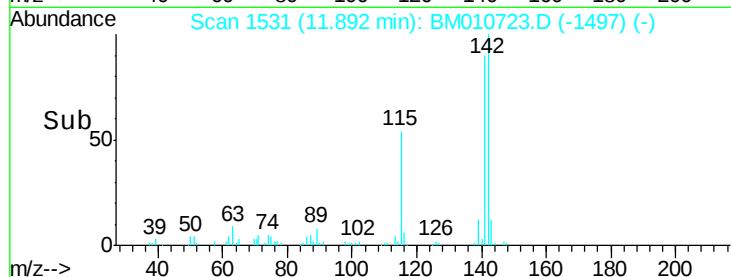
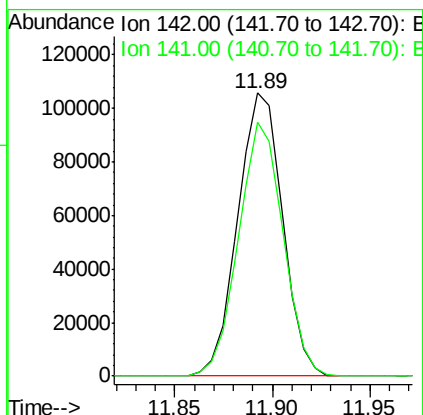
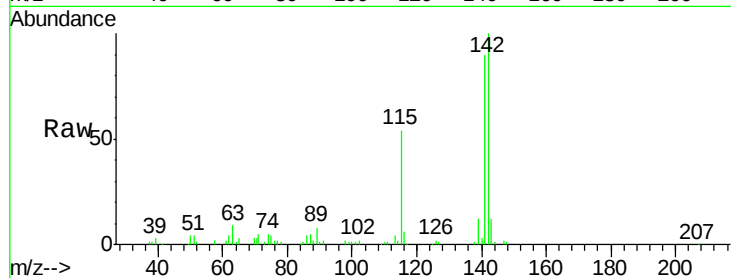




#34
 2-Methylnaphthalene
 Concen: 10.97 ng/ul
 RT: 11.89 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: BM010723.D
 Acq: 24 Jun 2017 11:02

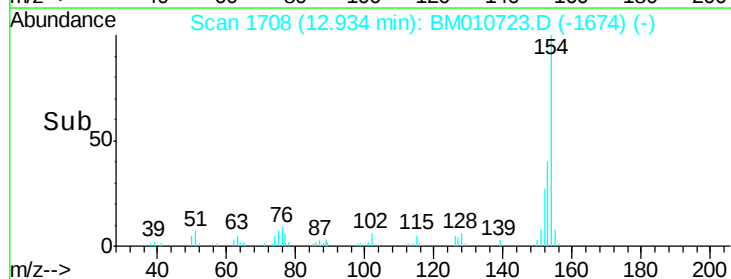
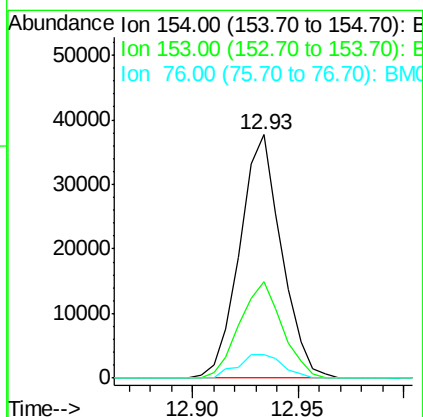
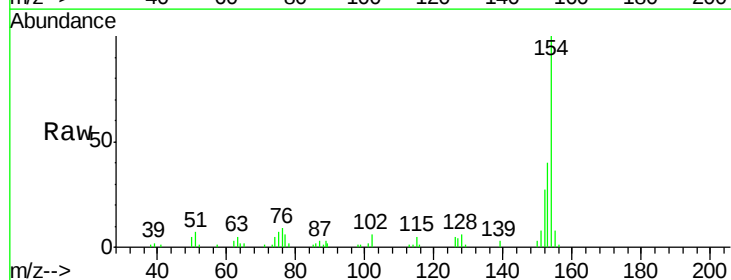
Instrument :
 BNA_M
 ClientSampleId :
 F5C49ME

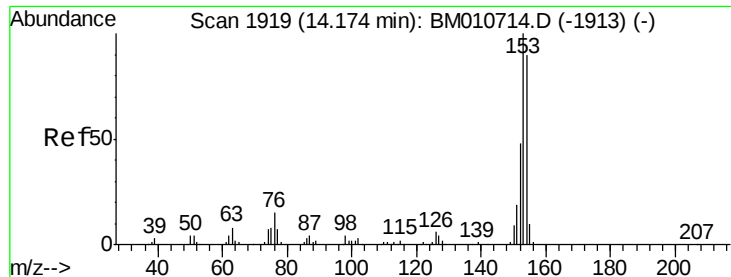
Tgt Ion:142 Resp: 168299
 Ion Ratio Lower Upper
 142 100
 141 89.8 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 2.52 ng/ul
 RT: 12.93 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: BM010723.D
 Acq: 24 Jun 2017 11:02

Tgt Ion:154 Resp: 51915
 Ion Ratio Lower Upper
 154 100
 153 39.7 32.6 48.8
 76 9.4 8.5 12.7





#49

Acenaphthene

Concen: 8.05 ng/ul

RT: 14.17 min Scan# 1919

Delta R.T. 0.00 min

Lab File: BM010723.D

Acq: 24 Jun 2017 11:02

Instrument :

BNA_M

ClientSampleId :

F5C49ME

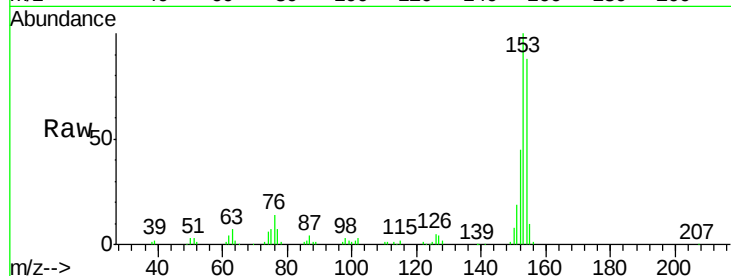
Tgt Ion:153 Resp: 139248

Ion Ratio Lower Upper

153 100

152 45.5 37.6 56.4

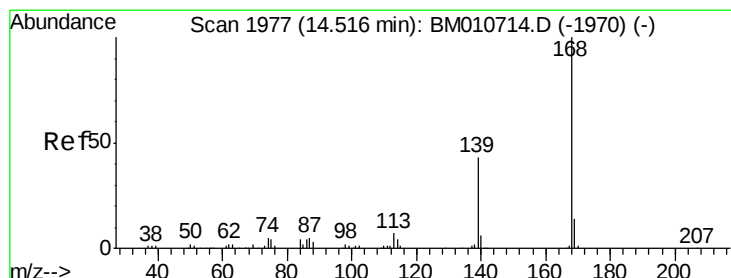
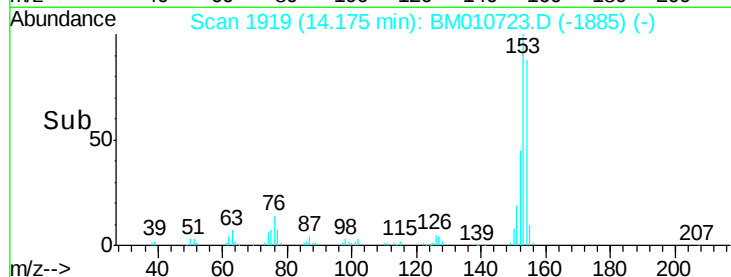
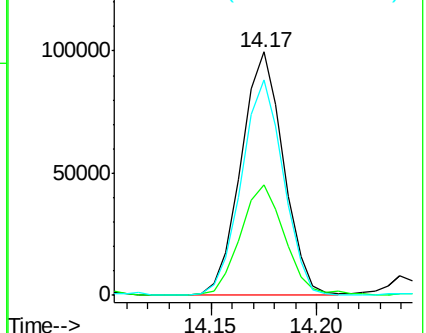
154 88.3 70.4 105.6



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

Dibenzofuran

Concen: 7.26 ng/ul

RT: 14.51 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BM010723.D

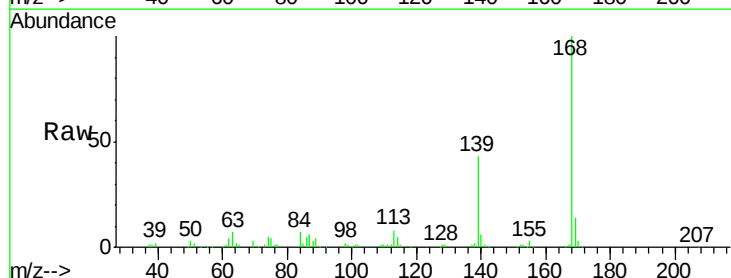
Acq: 24 Jun 2017 11:02

Tgt Ion:168 Resp: 190263

Ion Ratio Lower Upper

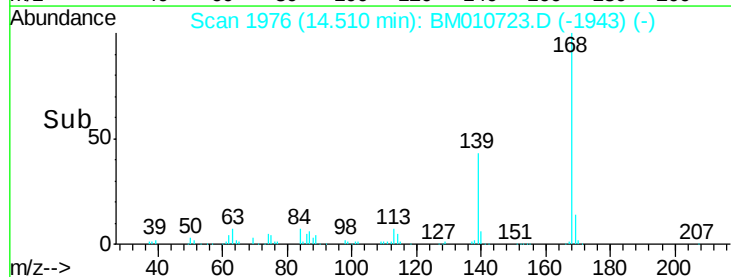
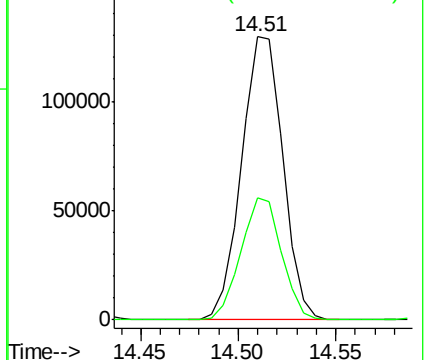
168 100

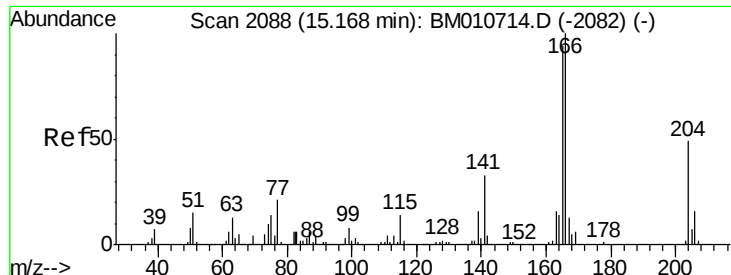
139 43.3 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 8.97 ng/ul

RT: 15.17 min Scan# 2088

Delta R.T. 0.00 min

Lab File: BM010723.D

Acq: 24 Jun 2017 11:02

Instrument :

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ClientSampleId :

F5C49ME

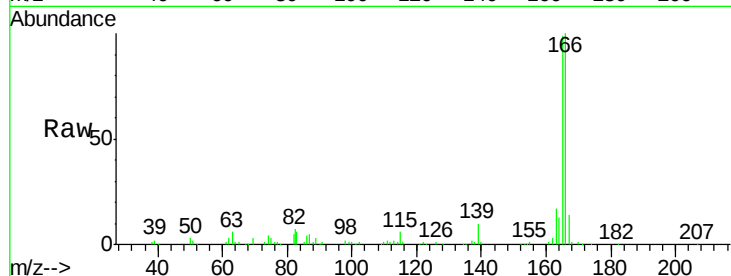
Tgt Ion:166 Resp: 196869

Ion Ratio Lower Upper

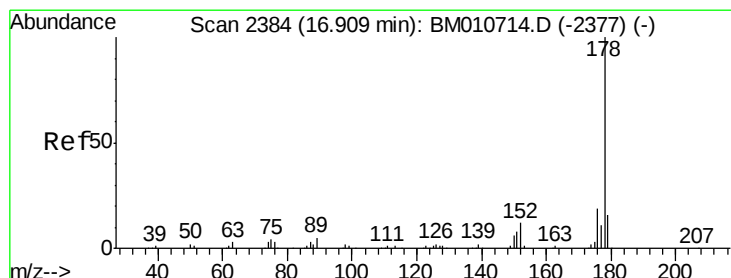
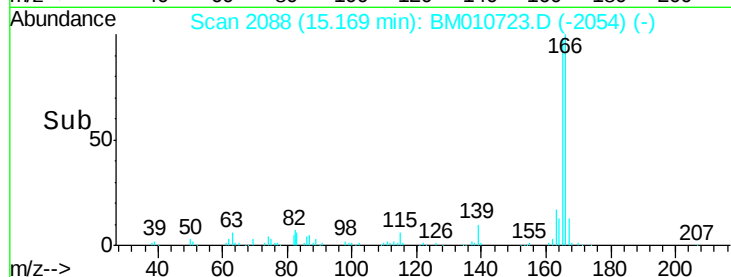
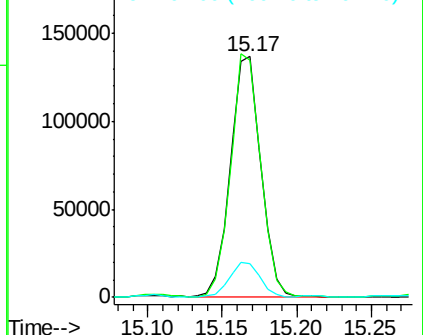
166 100

165 98.7 77.9 116.9

167 13.8 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: 25.01 ng/ul

RT: 16.91 min Scan# 2384

Delta R.T. 0.00 min

Lab File: BM010723.D

Acq: 24 Jun 2017 11:02

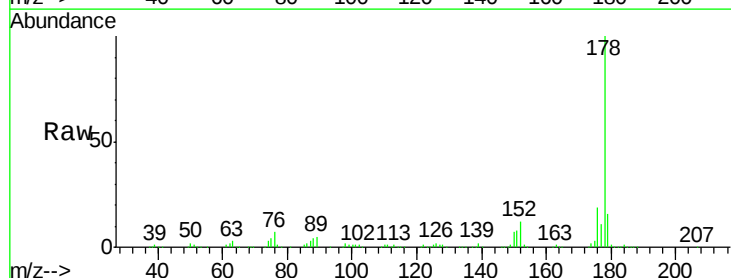
Tgt Ion:178 Resp: 855062

Ion Ratio Lower Upper

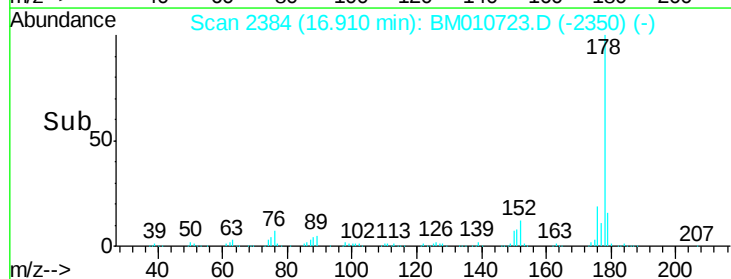
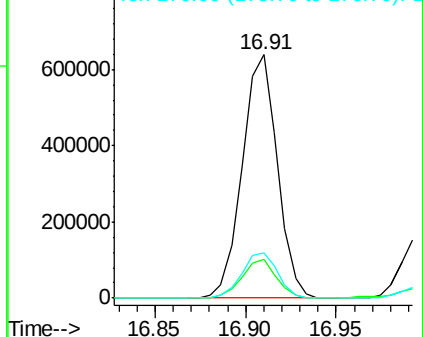
178 100

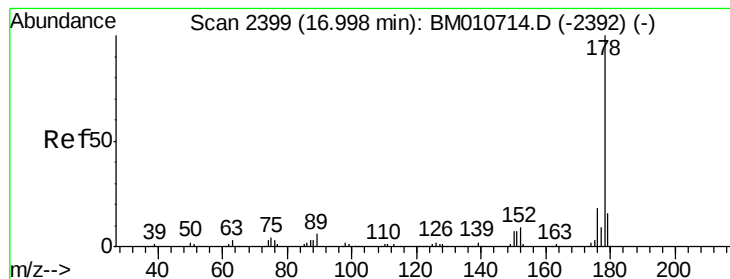
179 15.9 12.6 19.0

176 18.6 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: 6.58 ng/ul

RT: 17.00 min Scan# 2399

Delta R.T. 0.00 min

Lab File: BM010723.D

Acq: 24 Jun 2017 11:02

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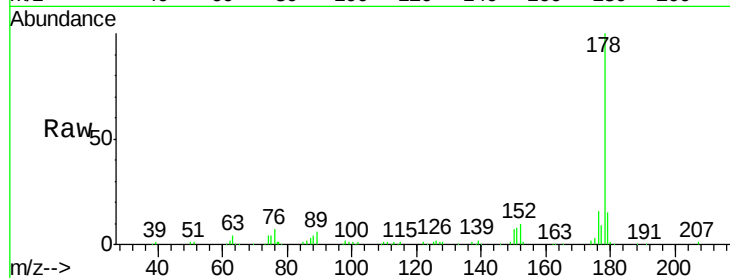
Tgt Ion:178 Resp: 231671

Ion Ratio Lower Upper

178 100

179 15.2 11.7 17.5

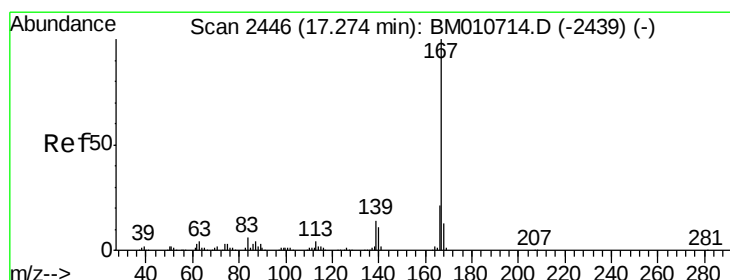
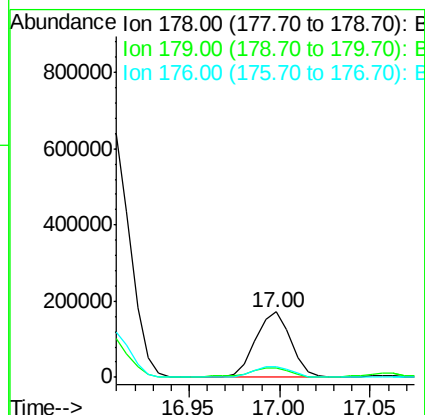
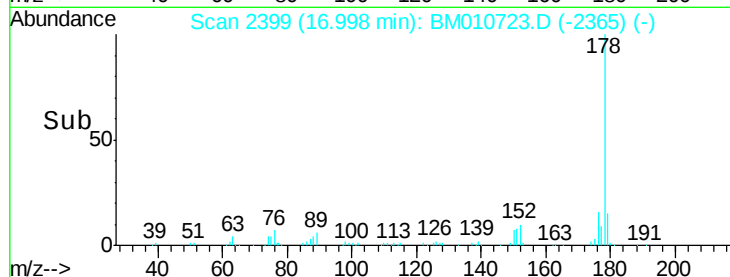
176 16.3 14.6 21.8



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: 3.07 ng/ul

RT: 17.27 min Scan# 2445

Delta R.T. -0.01 min

Lab File: BM010723.D

Acq: 24 Jun 2017 11:02

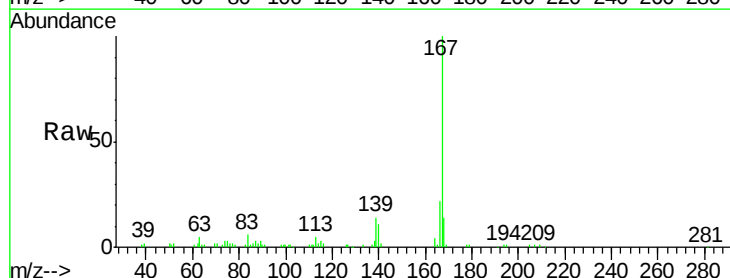
Tgt Ion:167 Resp: 94366

Ion Ratio Lower Upper

167 100

166 22.3 17.1 25.7

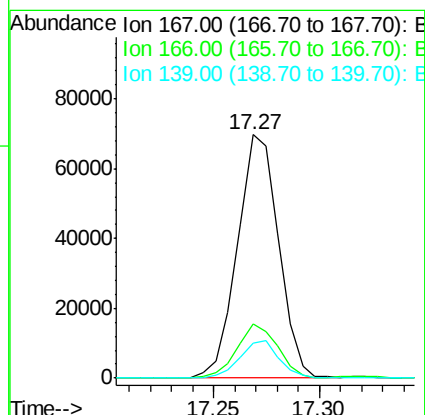
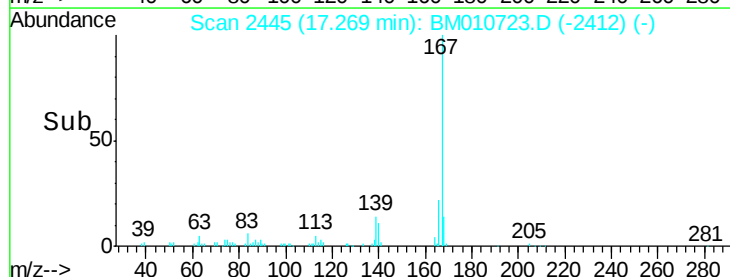
139 14.5 10.0 15.0

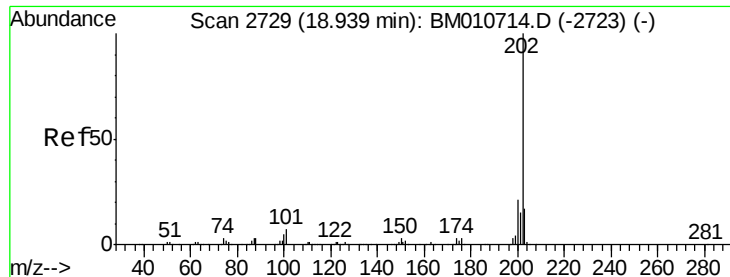


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 13.26 ng/ul

RT: 18.94 min Scan# 2729

Delta R.T. 0.00 min

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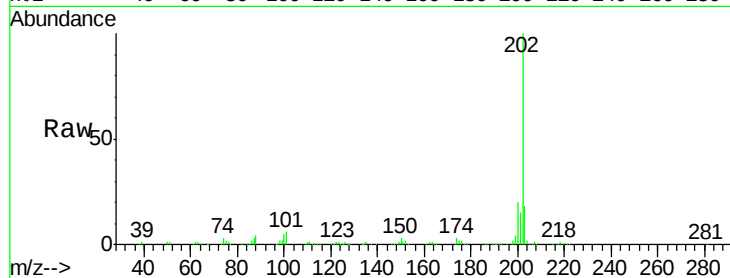
Tgt Ion:202 Resp: 584377

Ion Ratio Lower Upper

202 100

101 6.4 4.6 7.0

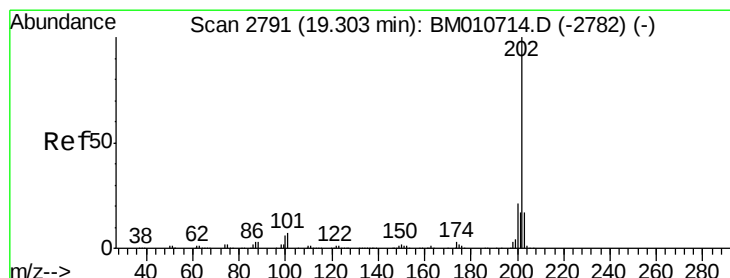
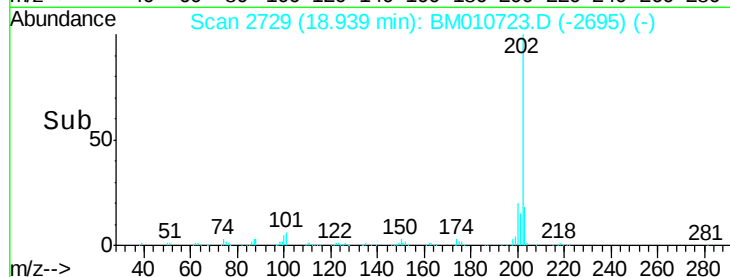
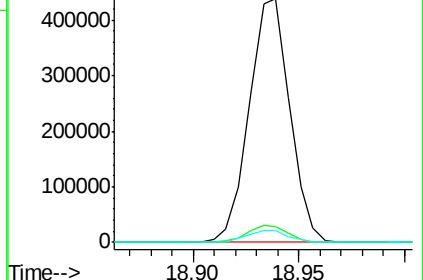
100 4.8 3.4 5.2



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: 11.11 ng/ul

RT: 19.30 min Scan# 2791

Delta R.T. 0.00 min

Lab File: BM010723.D

Acq: 24 Jun 2017 11:02

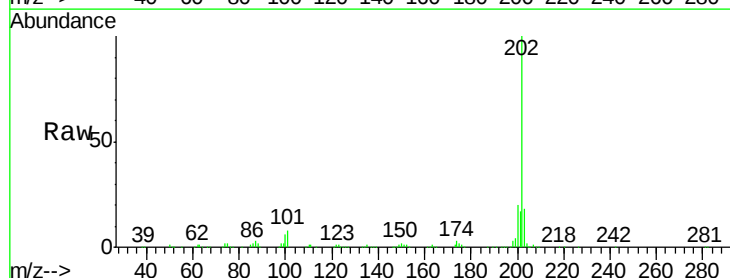
Tgt Ion:202 Resp: 420058

Ion Ratio Lower Upper

202 100

101 7.6 5.1 7.7

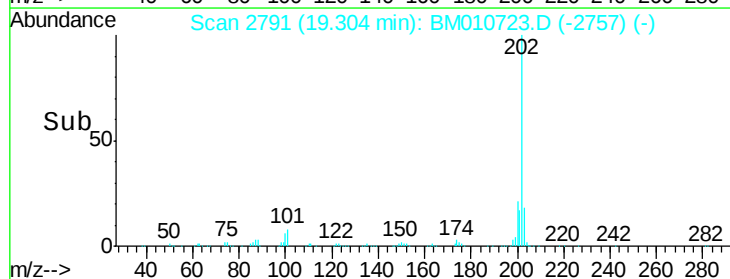
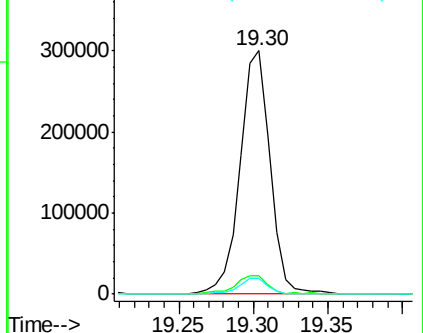
100 6.3 4.9 7.3

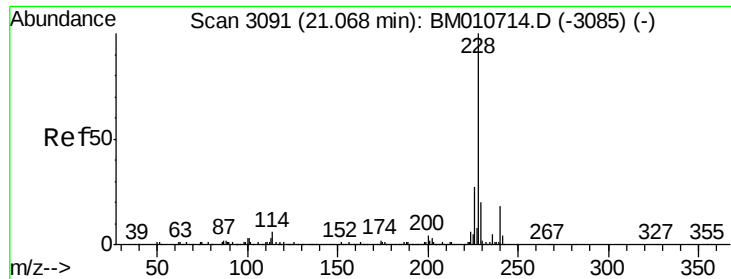


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 3.84 ng/ul

RT: 21.06 min Scan# 3090

Delta R.T. -0.01 min

Lab File: BM010723.D

Acq: 24 Jun 2017 11:02

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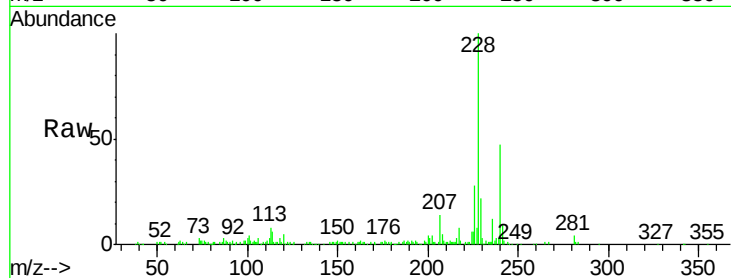
Tgt Ion:228 Resp: 146449

Ion Ratio Lower Upper

228 100

229 22.1 15.4 23.0

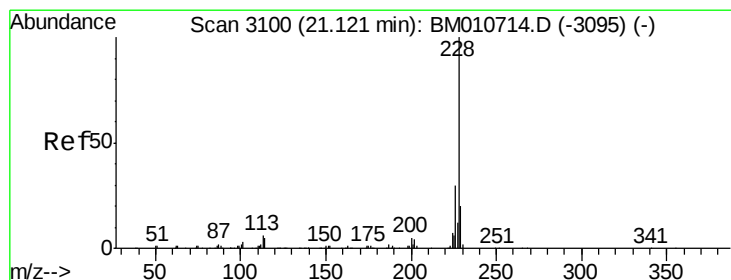
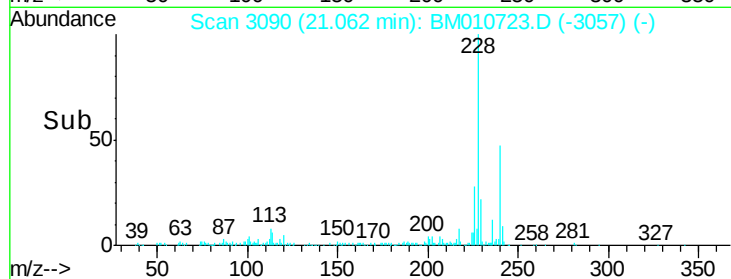
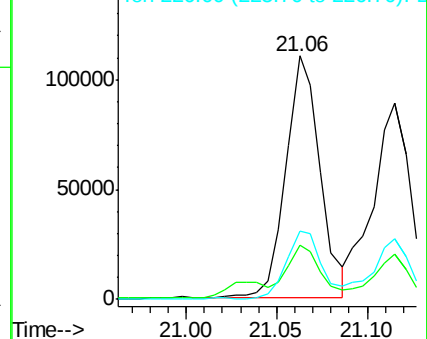
226 28.0 21.4 32.0



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: 3.65 ng/ul

RT: 21.12 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM010723.D

Acq: 24 Jun 2017 11:02

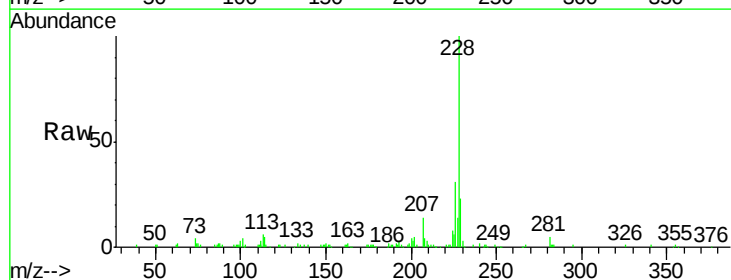
Tgt Ion:228 Resp: 123945

Ion Ratio Lower Upper

228 100

226 31.2 23.4 35.2

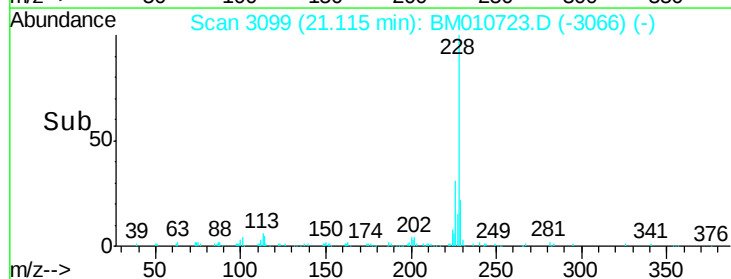
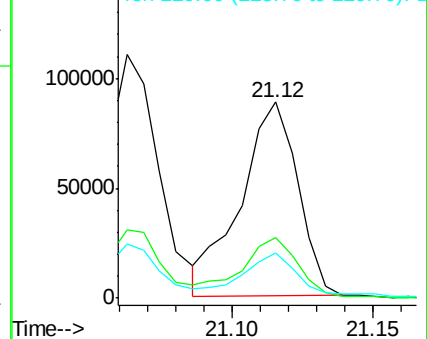
229 23.2 15.5 23.3

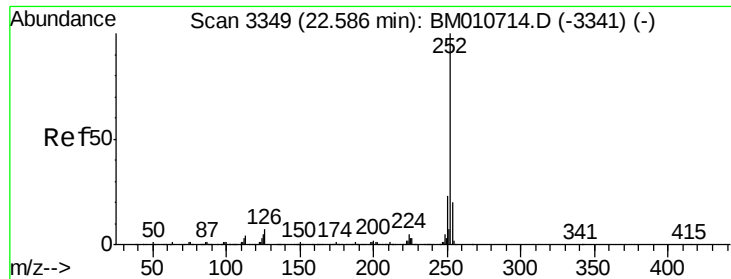


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

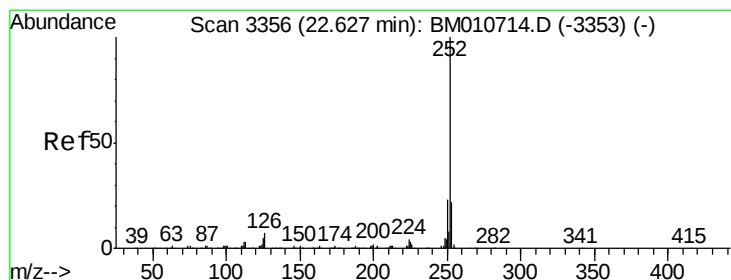
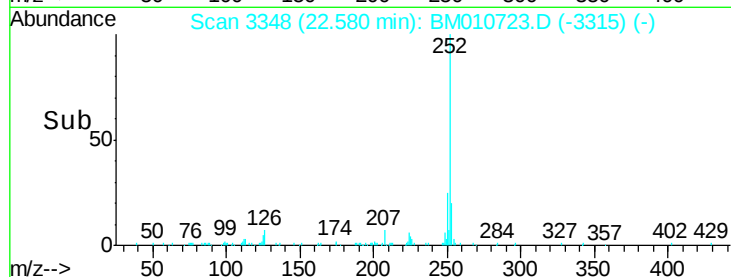
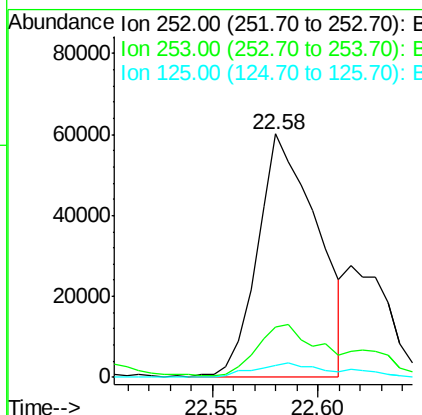
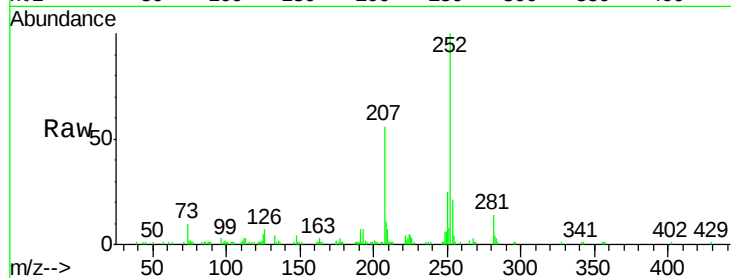




#85
Benzo(b)fluoranthene
Concen: 3.76 ng/ul
RT: 22.58 min Scan# 3348
Delta R.T. -0.01 min
Lab File: BM010723.D
Acq: 24 Jun 2017 11:02

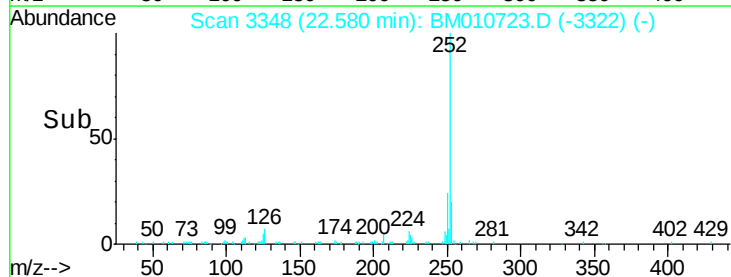
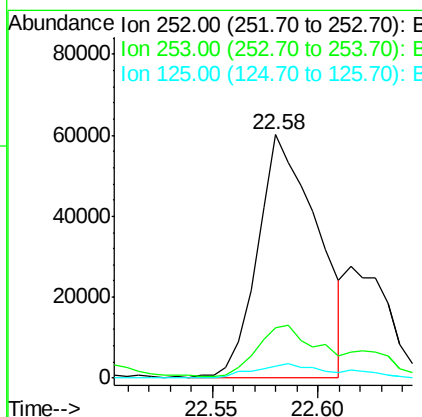
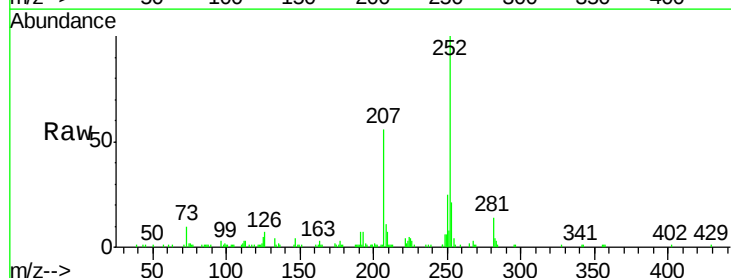
Instrument :
BNA_M
ClientSampleId :
F5C49ME

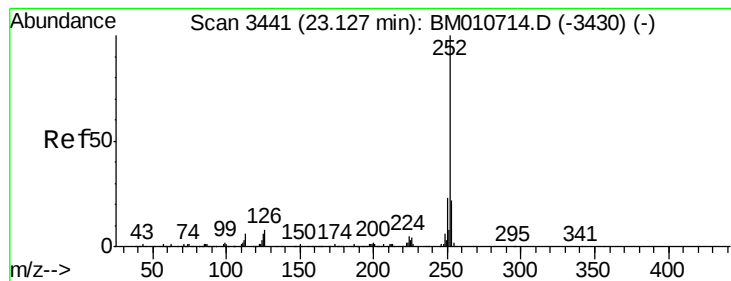
Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.6	17.9	26.9
125	4.7	3.6	5.4



#86
Benzo(k)fluoranthene
Concen: 3.97 ng/ul
RT: 22.58 min Scan# 3348
Delta R.T. -0.05 min
Lab File: BM010723.D
Acq: 24 Jun 2017 11:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.6	17.1	25.7
125	4.7	3.4	5.2





#88

Benzo(a)pyrene

Concen: 2.50 ng/ul

RT: 23.12 min Scan# 3440

Delta R.T. -0.01 min

Lab File: BM010723.D

Acq: 24 Jun 2017 11:02

Instrument :

BNA_M

ClientSampleId :

F5C49ME

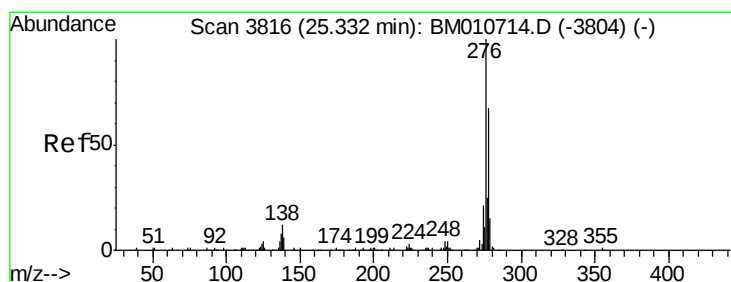
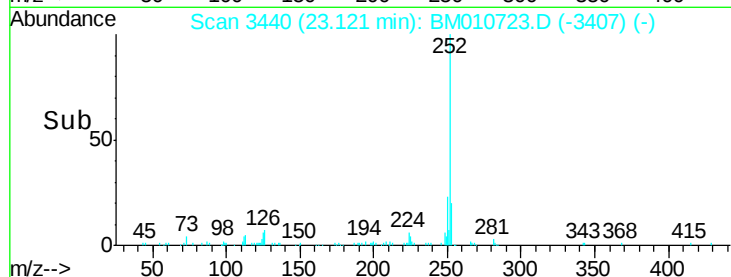
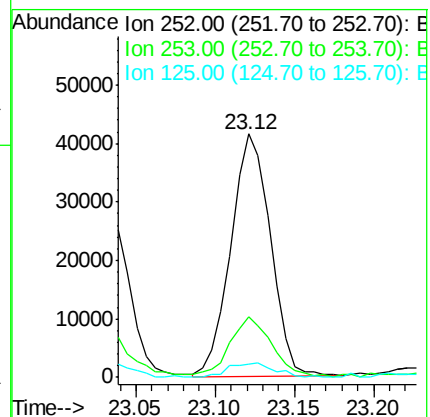
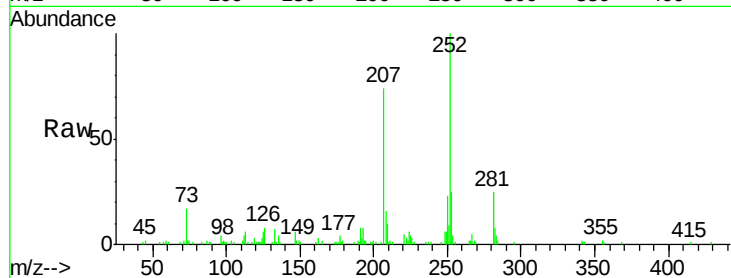
Tgt Ion:252 Resp: 72214

Ion Ratio Lower Upper

252 100

253 24.8 18.2 27.2

125 5.5 4.0 6.0



#89

Indeno(1,2,3-cd)pyrene

Concen: 1.20 ng/ul

RT: 25.32 min Scan# 3814

Delta R.T. -0.01 min

Lab File: BM010723.D

Acq: 24 Jun 2017 11:02

Tgt Ion:276 Resp: 35916

Ion Ratio Lower Upper

276 100

138 9.1 9.3 13.9#

277 19.9 19.9 29.9#

