

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
 Data File : BM010739.D
 Acq On : 24 Jun 2017 20:39
 Operator : SJ/JU
 Sample : I3653-08DL 30X
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5C51DL

Quant Time: Jun 26 04:57:06 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 26 04:54:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	59607	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	265913	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.11	164	185483	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.86	188	471638	20.00	ng/ul	0.00
75) Chrysene-d12	21.08	240	534761	20.00	ng/ul	0.00
83) Perylene-d12	23.21	264	416004	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	2176	0.38	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.82	67	1507	0.46	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	1788	0.45	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	1852	0.39	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	876	0.46	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	931	0.43	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	2107	0.46	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	1671	0.34	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	8782	0.54	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	10185	0.54	ng/ul	0.00
51) 4-Nitrophenol-d4	14.31	143	520	0.18	ng/ul	-0.02
57) Fluorene-d10	15.11	176	9641	0.68	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	660	0.23	ng/ul	0.00
70) Anthracene-d10	16.86	188	471638	20.71	ng/ul	-0.10
76) Pyrene-d10	19.27	212	16347	0.66	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.08	264	11034	0.55	ng/ul	0.00

Target Compounds

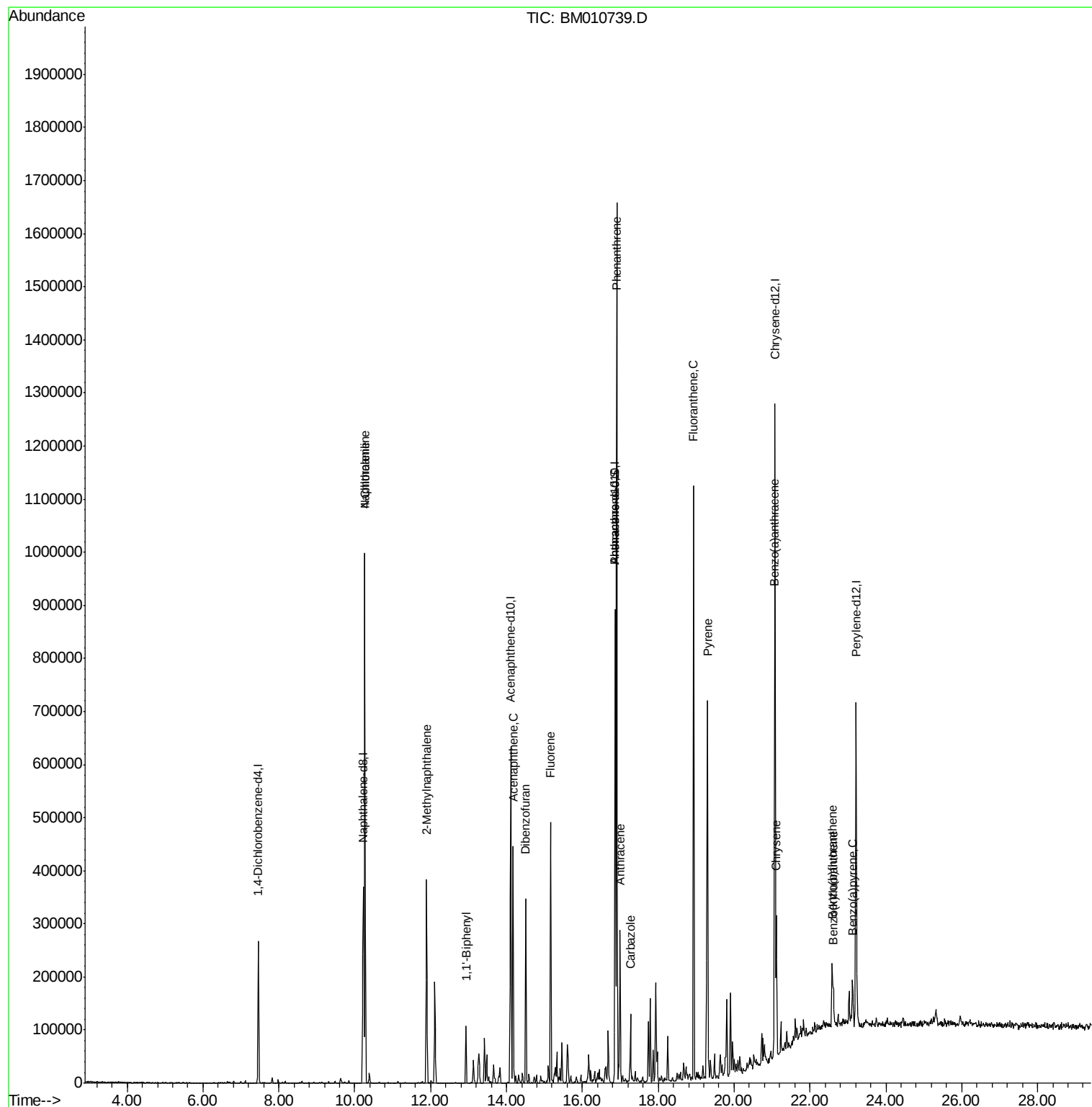
						Qvalue
28) Naphthalene	10.27	128	682221	51.55	ng/ul	100
30) 4-Chloroaniline	10.27	127	92155	18.90	ng/ul#	20
34) 2-Methylnaphthalene	11.89	142	151510	14.24	ng/ul	96
40) 1,1'-Biphenyl	12.93	154	51097	3.52	ng/ul	95
49) Acenaphthene	14.17	153	164573	13.52	ng/ul	100
53) Dibenzofuran	14.51	168	178305	9.68	ng/ul	93
58) Fluorene	15.16	166	187531	12.15	ng/ul	99
69) Phenanthrene	16.91	178	910297	36.30	ng/ul	99
71) Anthracene	16.99	178	166949	6.46	ng/ul	99
72) Carbazole	17.27	167	69539	3.09	ng/ul#	95
74) Fluoranthene	18.93	202	648967	20.08	ng/ul#	97
77) Pyrene	19.30	202	458774	14.85	ng/ul	97
80) Benzo(a)anthracene	21.06	228	153403	4.93	ng/ul	95
82) Chrysene	21.12	228	138667	4.99	ng/ul	98
85) Benzo(b)fluoranthene	22.58	252	101992	3.78	ng/ul#	97
86) Benzo(k)fluoranthene	22.62	252	35346	1.38	ng/ul#	93
88) Benzo(a)pyrene	23.12	252	62245	2.50	ng/ul#	94

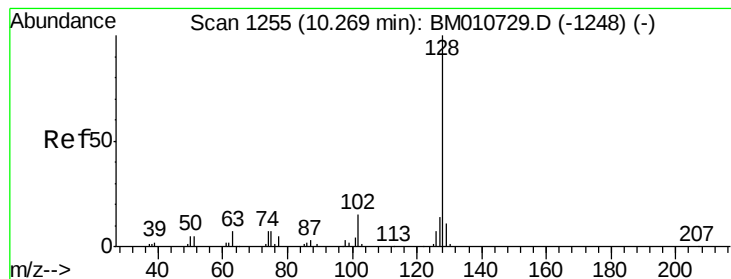
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 51.55 ng/ul

RT: 10.27 min Scan# 1255

Delta R.T. 0.00 min

Lab File: BM010739.D

Acq: 24 Jun 2017 20:39

Instrument :

BNA_M

ClientSampled :

F5C51DL

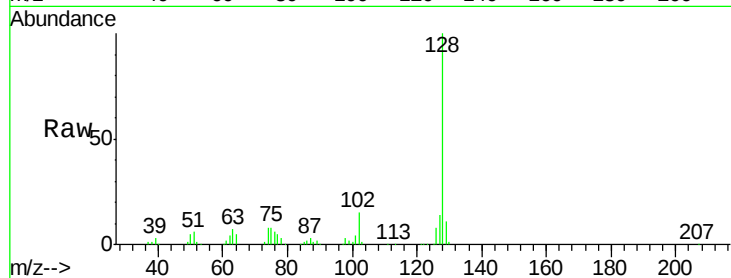
Tgt Ion:128 Resp: 682221

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

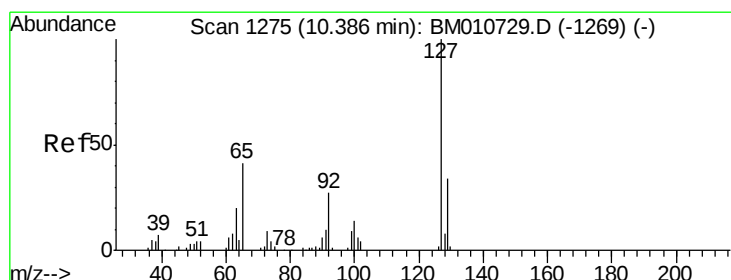
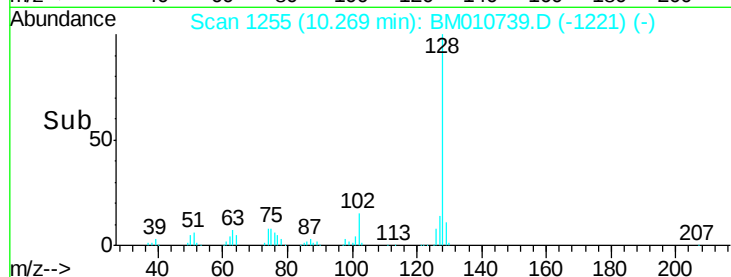
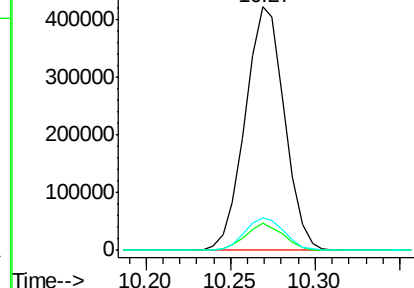
127 13.5 10.6 16.0



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: 18.90 ng/ul

RT: 10.27 min Scan# 1255

Delta R.T. -0.12 min

Lab File: BM010739.D

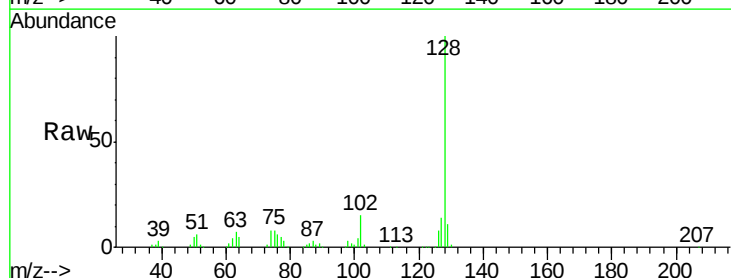
Acq: 24 Jun 2017 20:39

Tgt Ion:127 Resp: 92155

Ion Ratio Lower Upper

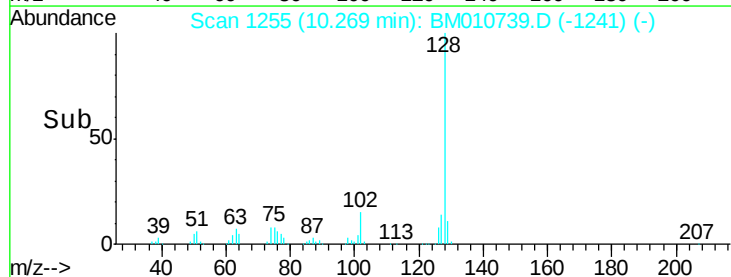
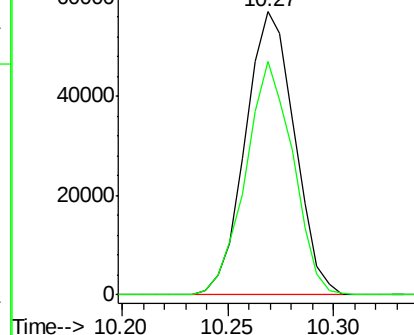
127 100

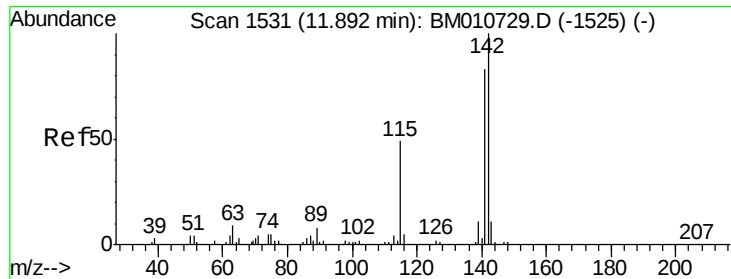
129 82.4 28.4 42.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

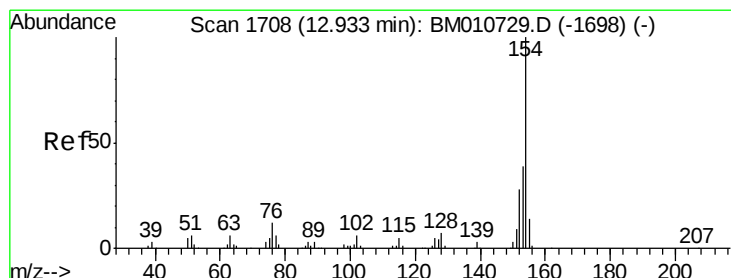
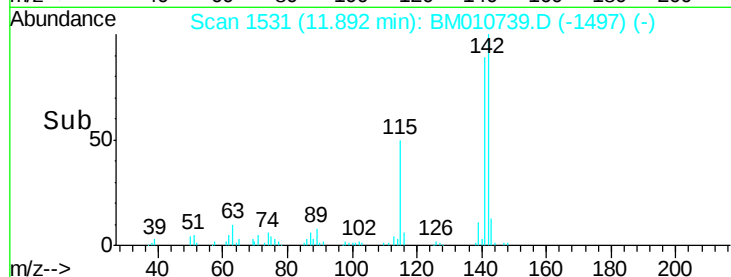
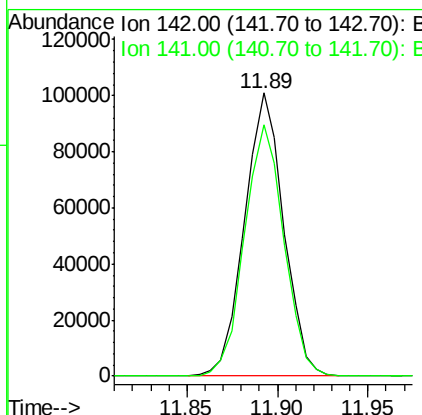
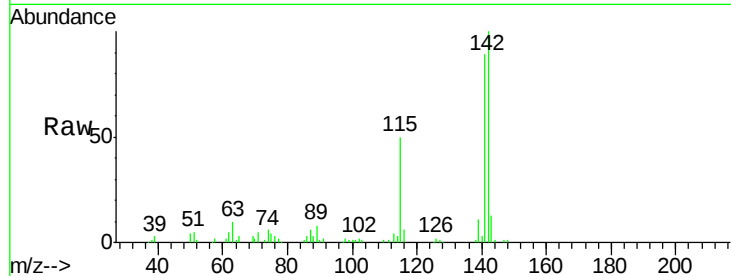




#34
 2-Methylnaphthalene
 Concen: 14.24 ng/ul
 RT: 11.89 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: BM010739.D
 Acq: 24 Jun 2017 20:39

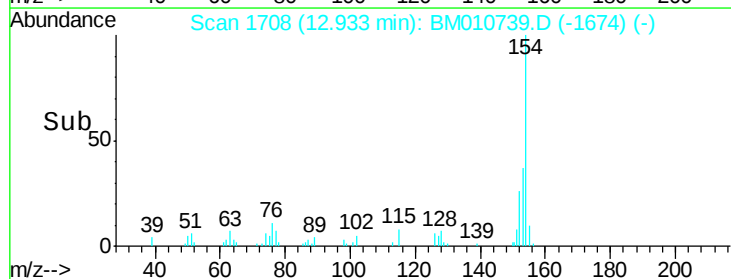
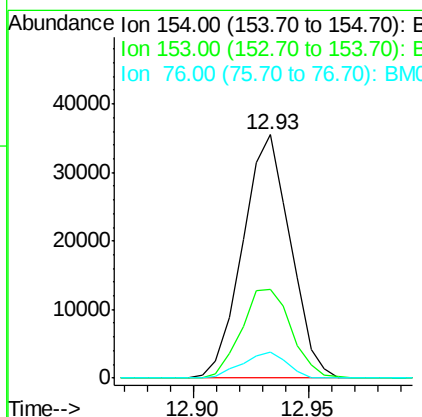
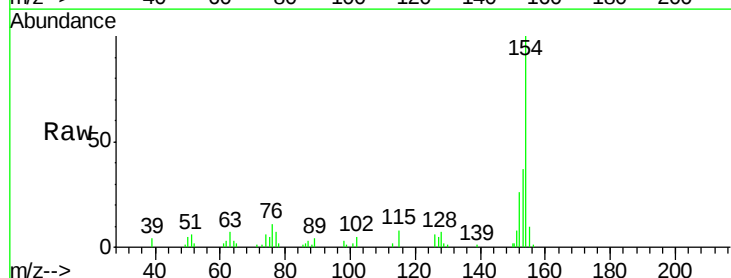
Instrument :
 BNA_M
 ClientSampleId :
 F5C51DL

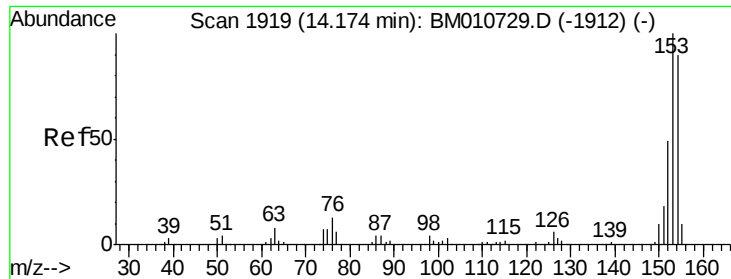
Tgt Ion:142 Resp: 151510
 Ion Ratio Lower Upper
 142 100
 141 88.9 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 3.52 ng/ul
 RT: 12.93 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: BM010739.D
 Acq: 24 Jun 2017 20:39

Tgt Ion:154 Resp: 51097
 Ion Ratio Lower Upper
 154 100
 153 36.6 32.6 48.8
 76 10.6 8.5 12.7





#49

Acenaphthene

Concen: 13.52 ng/ul

RT: 14.17 min Scan# 1919

Delta R.T. 0.00 min

Lab File: BM010739.D

Acq: 24 Jun 2017 20:39

Instrument :

BNA_M

ClientSampleId :

F5C51DL

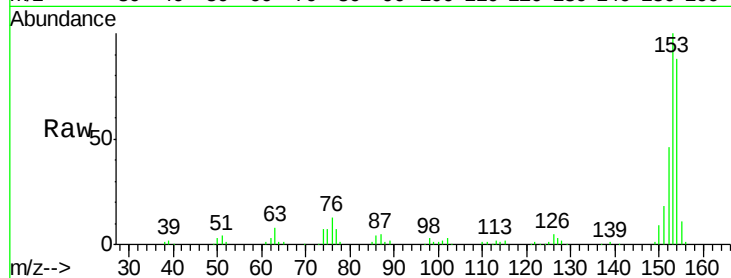
Tgt Ion:153 Resp: 164573

Ion Ratio Lower Upper

153 100

152 46.4 37.6 56.4

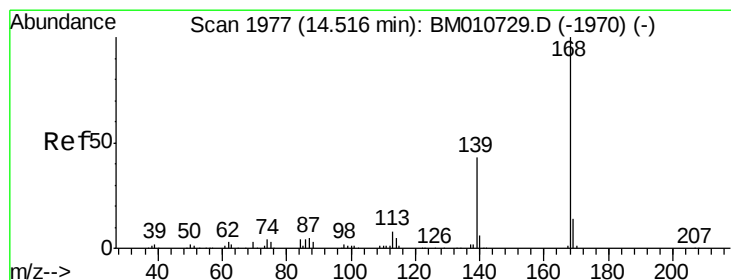
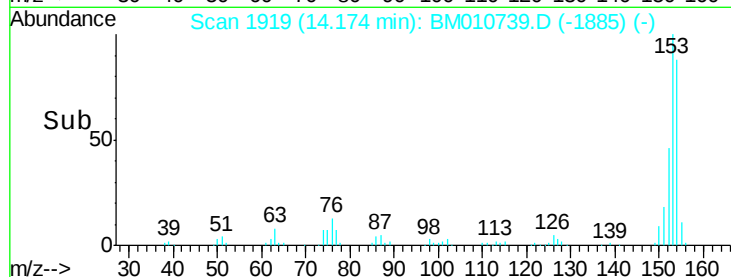
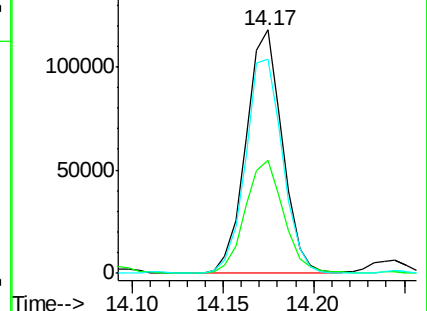
154 88.2 70.4 105.6



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: 9.68 ng/ul

RT: 14.51 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BM010739.D

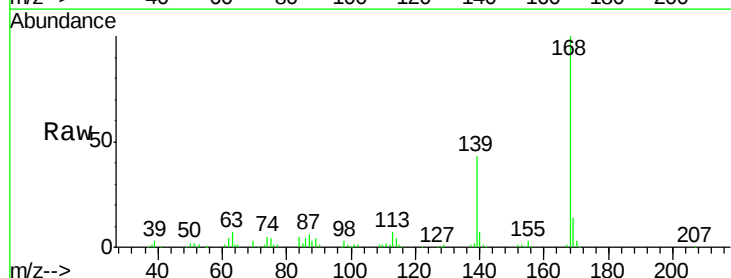
Acq: 24 Jun 2017 20:39

Tgt Ion:168 Resp: 178305

Ion Ratio Lower Upper

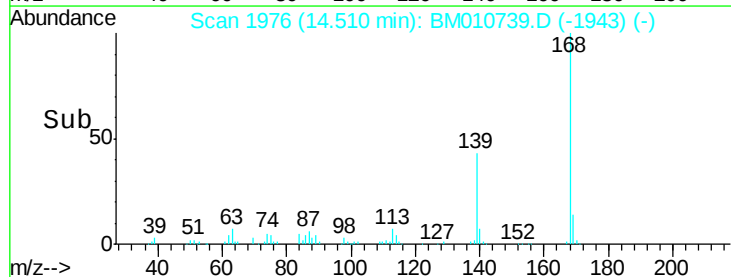
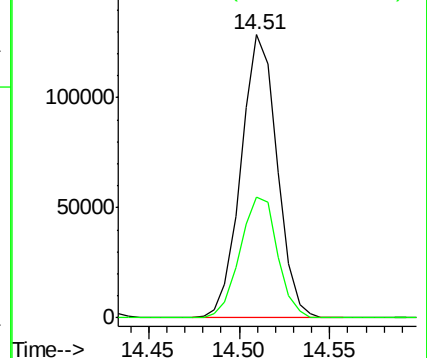
168 100

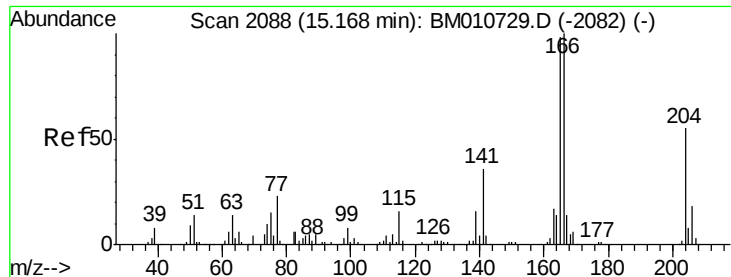
139 42.8 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 12.15 ng/ul

RT: 15.16 min Scan# 2087

Delta R.T. -0.01 min

Lab File: BM010739.D

Acq: 24 Jun 2017 20:39

Instrument :

BNA_M

ClientSampleId :

F5C51DL

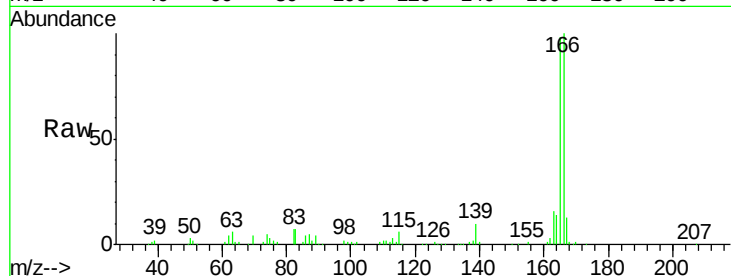
Tgt Ion:166 Resp: 187531

Ion Ratio Lower Upper

166 100

165 98.5 77.9 116.9

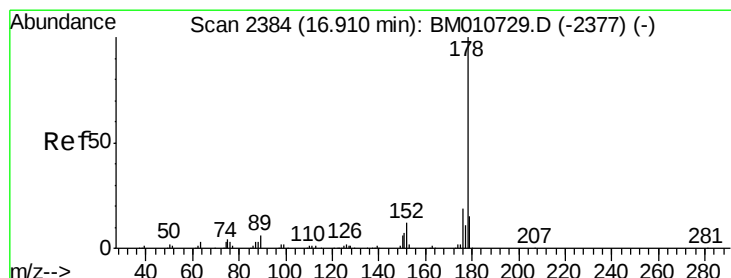
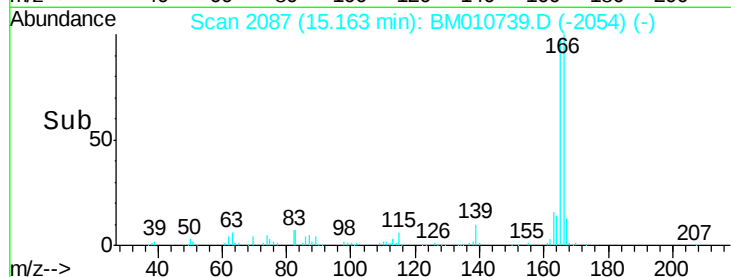
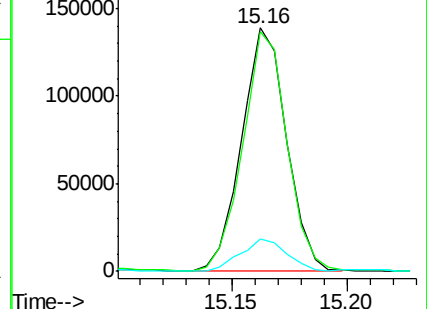
167 13.1 10.6 16.0



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: 36.30 ng/ul

RT: 16.91 min Scan# 2384

Delta R.T. 0.00 min

Lab File: BM010739.D

Acq: 24 Jun 2017 20:39

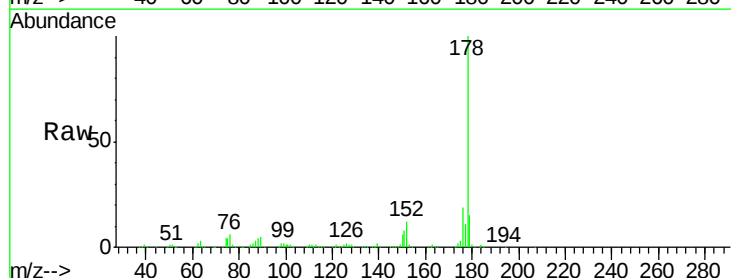
Tgt Ion:178 Resp: 910297

Ion Ratio Lower Upper

178 100

179 15.3 12.6 19.0

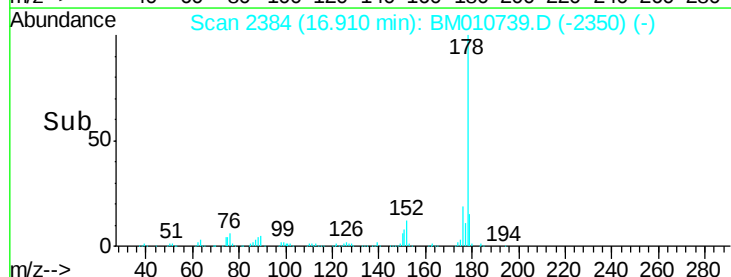
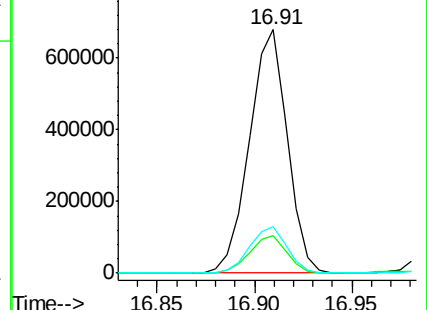
176 19.0 14.9 22.3

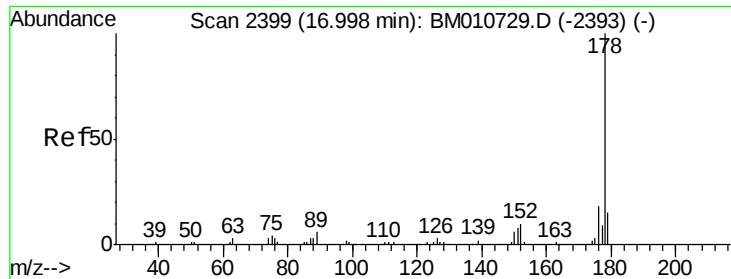


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

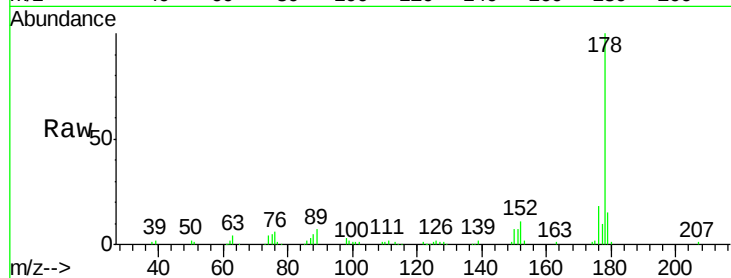




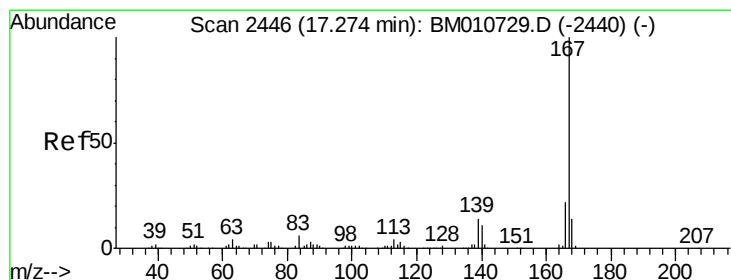
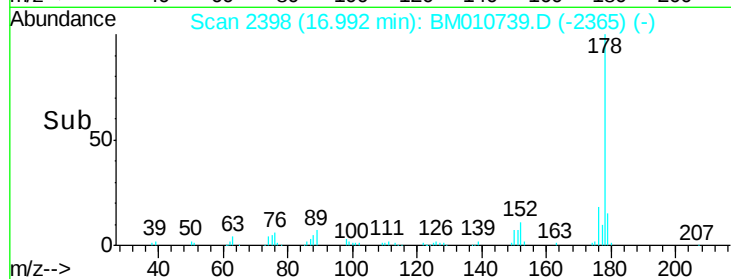
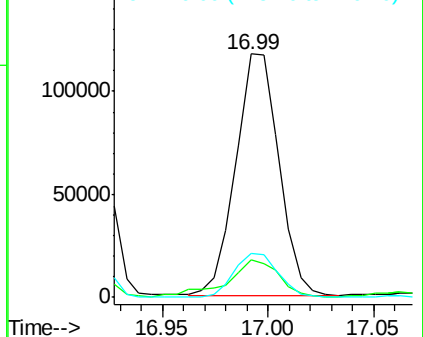
#71
 Anthracene
 Concen: 6.46 ng/ul
 RT: 16.99 min Scan# 2398
 Delta R.T. -0.01 min
 Lab File: BM010739.D
 Acq: 24 Jun 2017 20:39

Instrument :
 BNA_M
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 F5C51DL

Tgt Ion:178 Resp: 166949
 Ion Ratio Lower Upper
 178 100
 179 15.5 11.7 17.5
 176 18.2 14.6 21.8

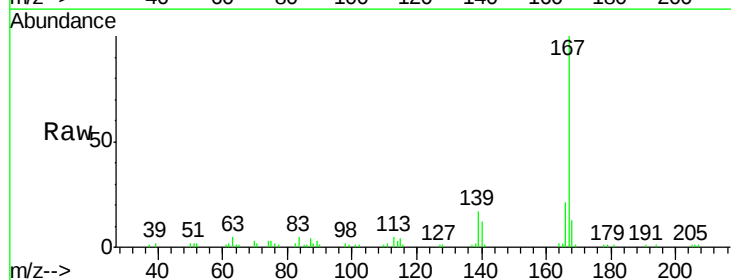


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

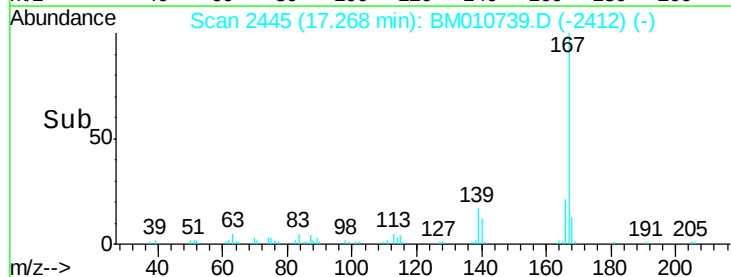
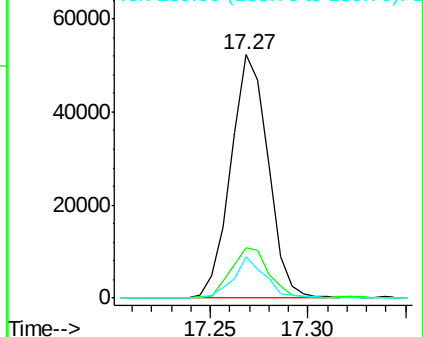


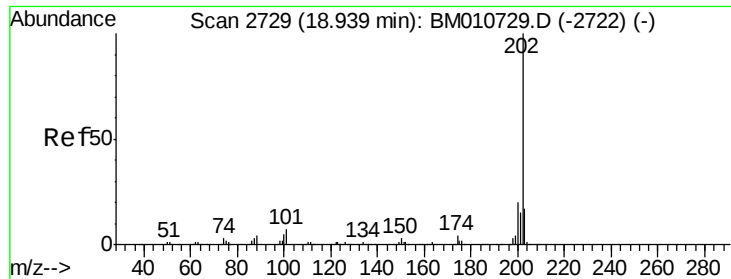
#72
 Carbazole
 Concen: 3.09 ng/ul
 RT: 17.27 min Scan# 2445
 Delta R.T. -0.01 min
 Lab File: BM010739.D
 Acq: 24 Jun 2017 20:39

Tgt Ion:167 Resp: 69539
 Ion Ratio Lower Upper
 167 100
 166 20.7 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: 20.08 ng/ul

RT: 18.93 min Scan# 2728

Delta R.T. -0.01 min

Lab File: BM010739.D

Acq: 24 Jun 2017 20:39

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BNA_M

ClientSampleId :

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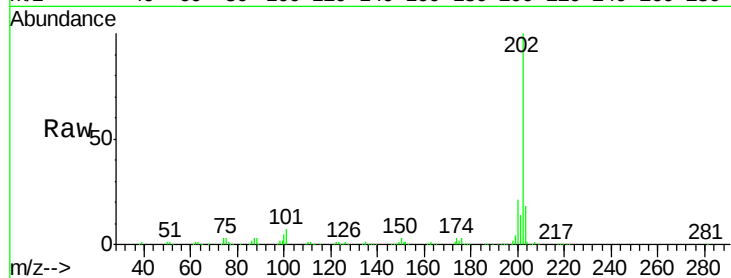
Tgt Ion:202 Resp: 648967

Ion Ratio Lower Upper

202 100

101 7.1 4.6 7.0#

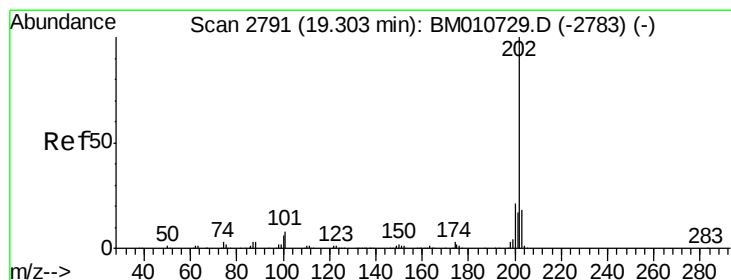
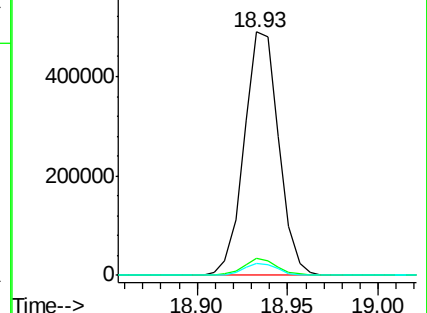
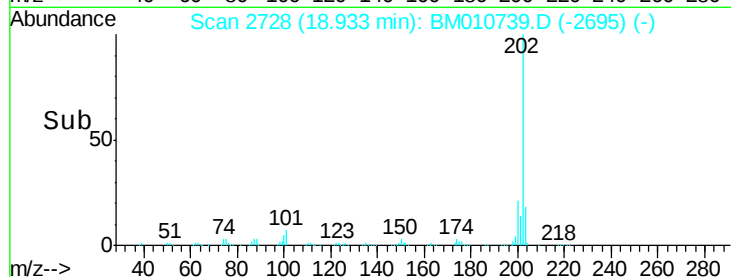
100 4.9 3.4 5.2



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: 14.85 ng/ul

RT: 19.30 min Scan# 2791

Delta R.T. -0.00 min

Lab File: BM010739.D

Acq: 24 Jun 2017 20:39

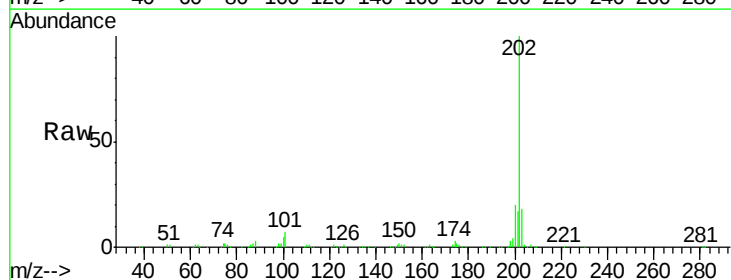
Tgt Ion:202 Resp: 458774

Ion Ratio Lower Upper

202 100

101 7.4 5.1 7.7

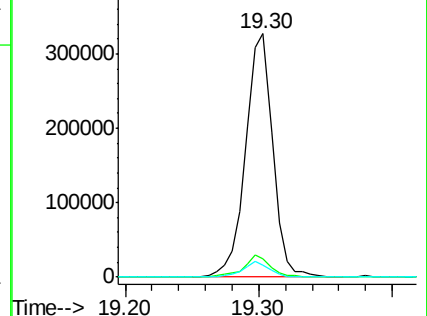
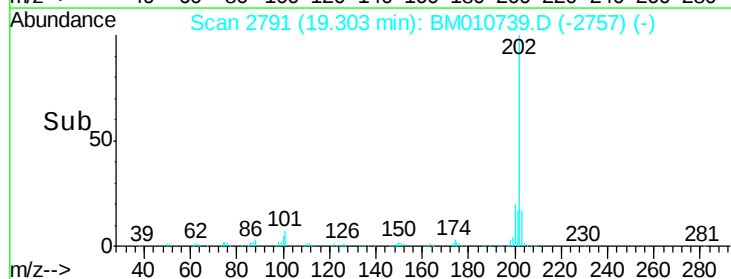
100 5.2 4.9 7.3

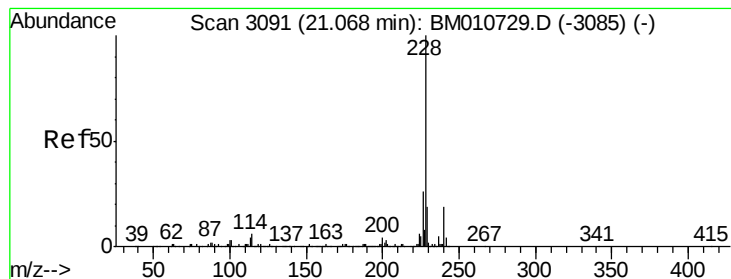


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

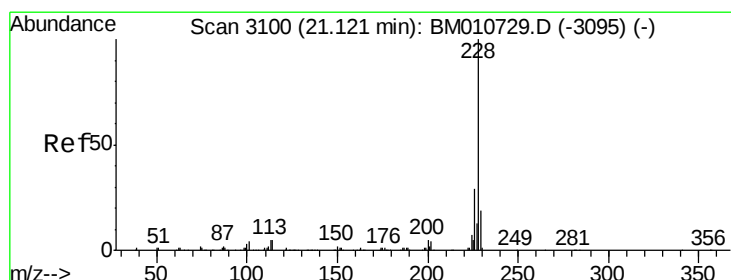
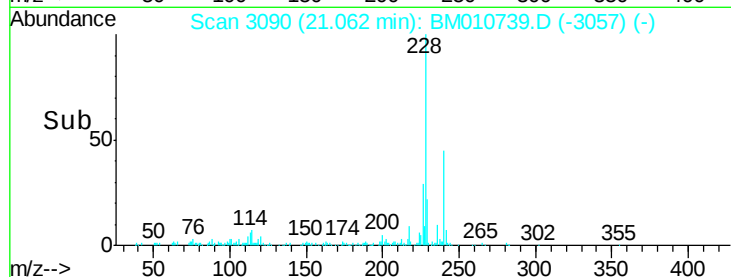
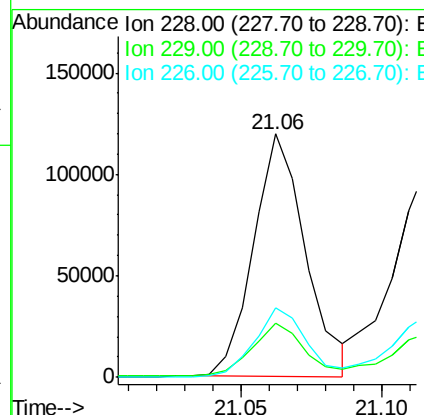
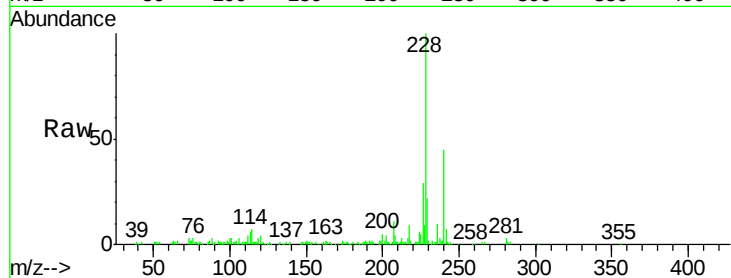




#80
Benzo(a)anthracene
Concen: 4.93 ng/ul
RT: 21.06 min Scan# 3090
Delta R.T. -0.01 min
Lab File: BM010739.D
Acq: 24 Jun 2017 20:39

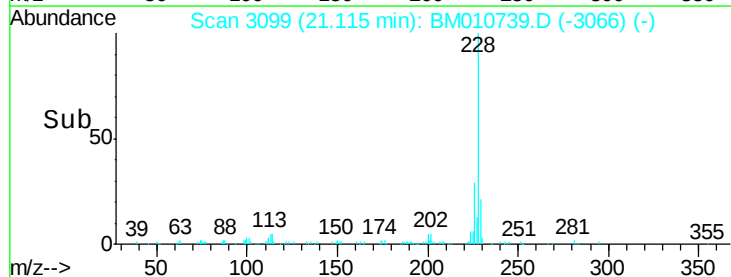
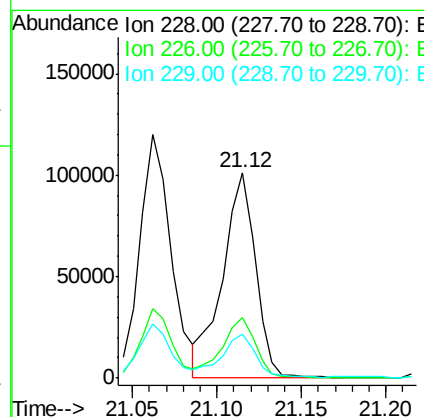
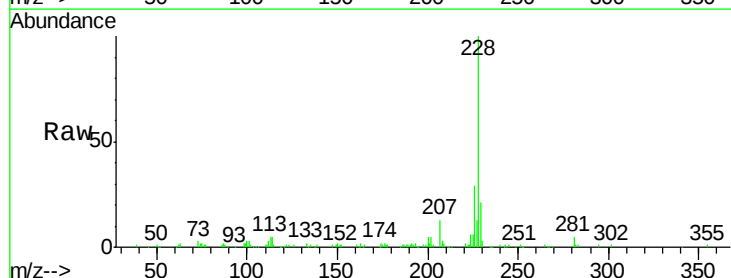
Instrument :
BNA_M
ClientSampleId :
F5C51DL

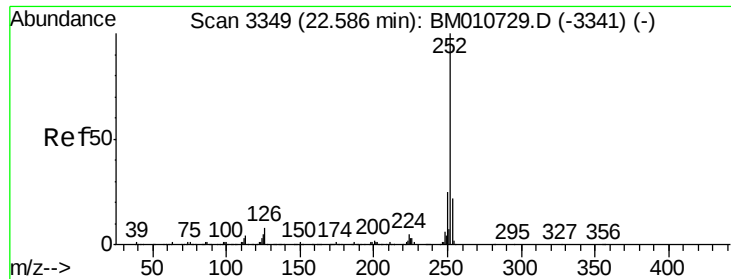
Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.4	15.4	23.0
226	28.7	21.4	32.0



#82
Chrysene
Concen: 4.99 ng/ul
RT: 21.12 min Scan# 3099
Delta R.T. -0.01 min
Lab File: BM010739.D
Acq: 24 Jun 2017 20:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.4	35.2
229	21.2	15.5	23.3





#85

Benzo(b)fluoranthene

Concen: 3.78 ng/ul

RT: 22.58 min Scan# 3348

Delta R.T. -0.01 min

Lab File: BM010739.D

Acq: 24 Jun 2017 20:39

Instrument :

BNA_M

ClientSampleId :

F5C51DL

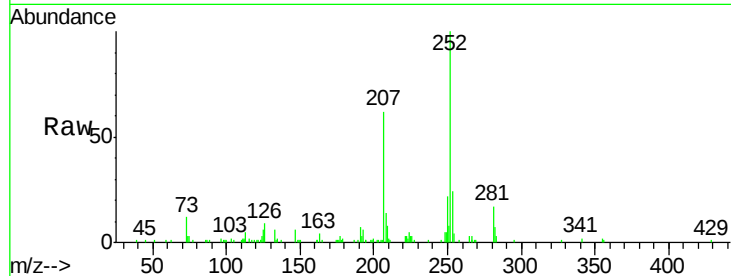
Tgt Ion:252 Resp: 101992

Ion Ratio Lower Upper

252 100

253 23.6 17.9 26.9

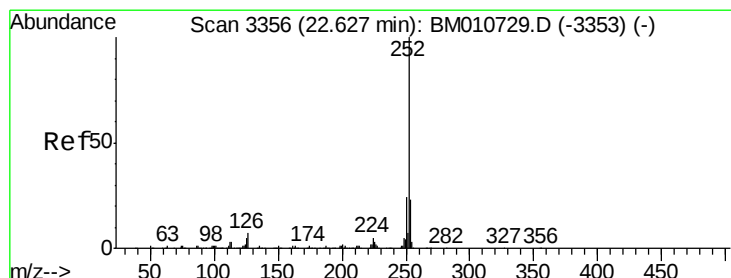
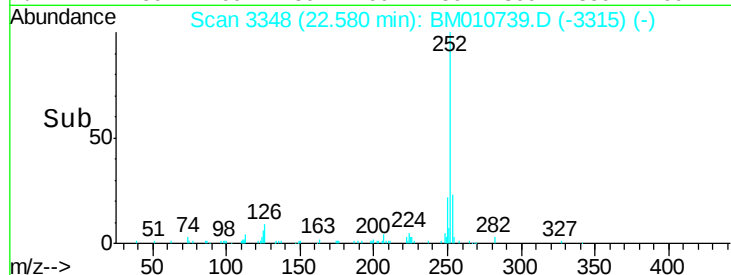
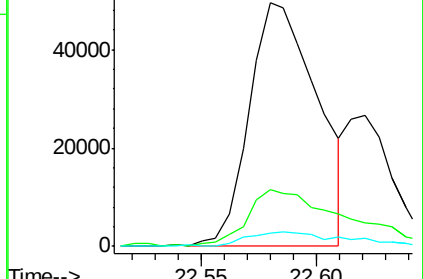
125 5.6 3.6 5.4#



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: 1.38 ng/ul

RT: 22.62 min Scan# 3355

Delta R.T. -0.01 min

Lab File: BM010739.D

Acq: 24 Jun 2017 20:39

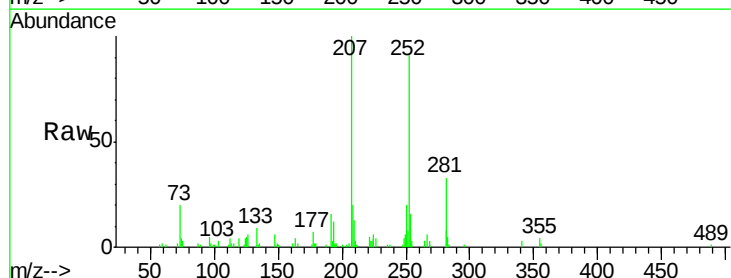
Tgt Ion:252 Resp: 35346

Ion Ratio Lower Upper

252 100

253 18.1 17.1 25.7

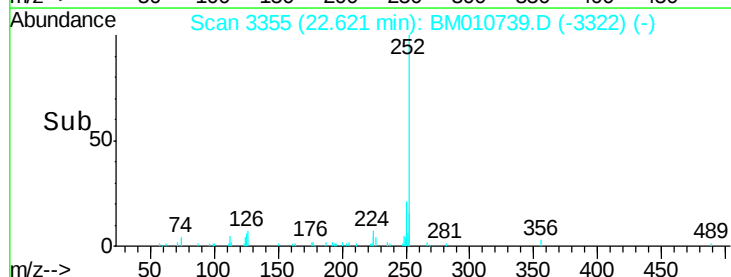
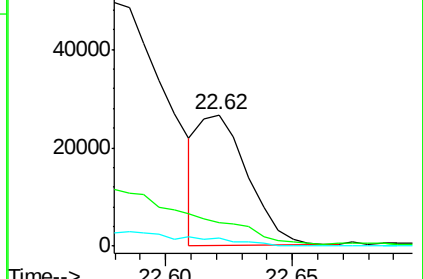
125 6.0 3.4 5.2#

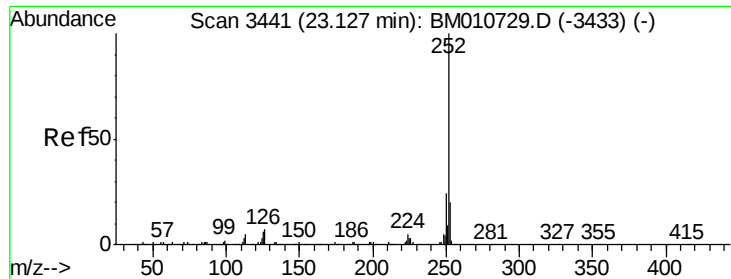


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 2.50 ng/ul

RT: 23.12 min Scan# 3440

Delta R.T. -0.01 min

Lab File: BM010739.D

Acq: 24 Jun 2017 20:39

Instrument :

BNA_M

ClientSampleId :

F5C51DL

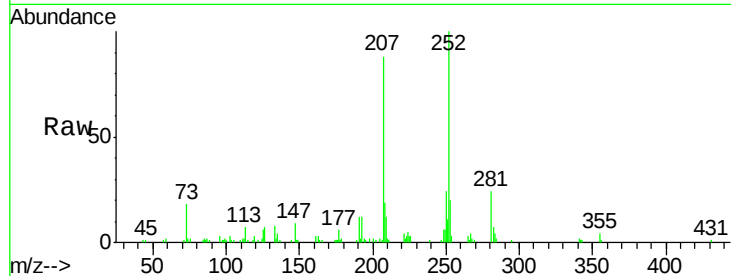
Tgt Ion:252 Resp: 62245

Ion Ratio Lower Upper

252 100

253 19.8 18.2 27.2

125 6.4 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

