

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
 Data File : BM010709.D
 Acq On : 24 Jun 2017 02:38
 Operator : SJ/JU
 Sample : I3625-13ME 20X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5C80ME

Quant Time: Jun 24 04:43:00 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jun 24 04:37:39 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	70840	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	332273	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.11	164	235506	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	561531	20.00	ng/ul	0.00
75) Chrysene-d12	21.08	240	589761	20.00	ng/ul	0.00
83) Perylene-d12	23.22	264	426862	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	5186	0.77	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	3513	0.91	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	4692	0.99	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	5291	0.95	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	2736	1.15	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	2199	0.81	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	5088	0.88	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	6585	1.09	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	21114	1.02	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	22489	0.94	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	2373	0.65	ng/ul	0.00
57) Fluorene-d10	15.12	176	20210	1.13	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	2314	0.67	ng/ul	0.00
70) Anthracene-d10	16.96	188	30775	1.13	ng/ul	0.00
76) Pyrene-d10	19.27	212	34928	1.27	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.08	264	20501	0.99	ng/ul	0.00

Target Compounds

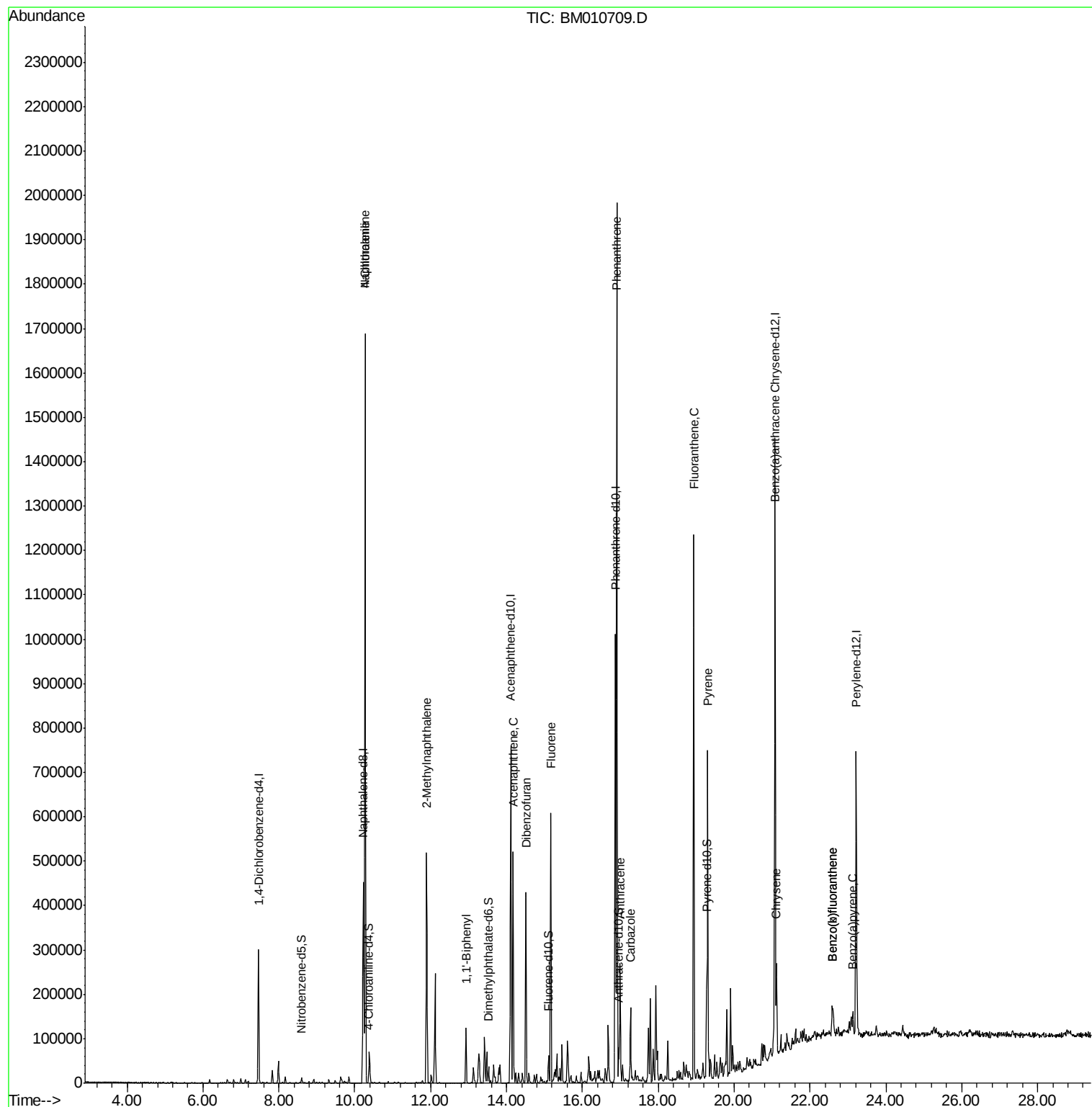
					Qvalue	
28) Naphthalene	10.27	128	1176511	71.151	ng/ul	99
30) 4-Chloroaniline	10.27	127	156661	25.711	ng/ul#	14
34) 2-Methylnaphthalene	11.89	142	220027	16.553	ng/ul	96
40) 1,1'-Biphenyl	12.93	154	59396	3.226	ng/ul	96
49) Acenaphthene	14.17	153	190761	12.347	ng/ul	98
53) Dibenzofuran	14.52	168	235040	10.045	ng/ul	91
58) Fluorene	15.17	166	236647	12.080	ng/ul	99
69) Phenanthrene	16.91	178	1085786	36.371	ng/ul	99
71) Anthracene	17.00	178	150472	4.892	ng/ul	97
72) Carbazole	17.27	167	93987	3.503	ng/ul#	95
74) Fluoranthene	18.94	202	680001	17.675	ng/ul	99
77) Pyrene	19.30	202	454452	13.341	ng/ul	99
80) Benzo(a)anthracene	21.07	228	130310	3.794	ng/ul	98
82) Chrysene	21.11	228	100939	3.296	ng/ul	96
85) Benzo(b)fluoranthene	22.59	252	56237	2.030	ng/ul#	99
86) Benzo(k)fluoranthene	22.59	252	56237	2.141	ng/ul#	97
88) Benzo(a)pyrene	23.12	252	32481	1.273	ng/ul#	92

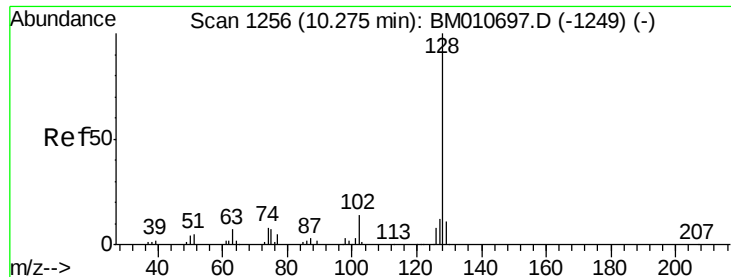
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#28

Naphthalene

Concen: 71.151 ng/ul

RT: 10.27 min Scan# 1256

Delta R.T. -0.00 min

Lab File: BM010709.D

Acq: 24 Jun 2017 02:38

Instrument :

BNA_M

ClientSampleId :

F5C80ME

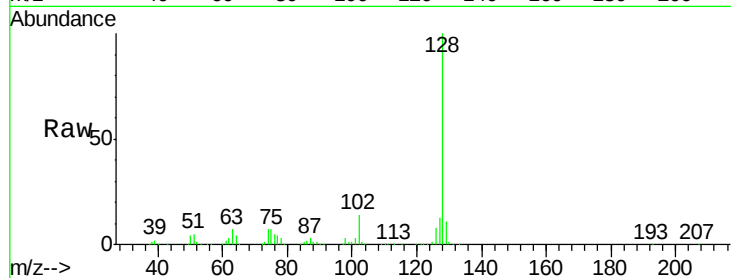
Tgt Ion:128 Resp: 1176511

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

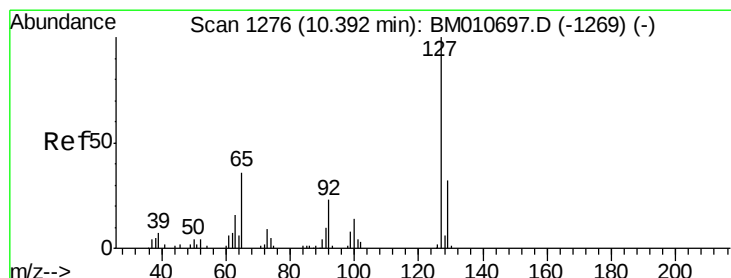
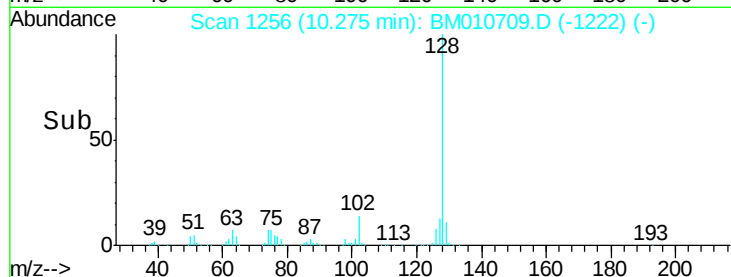
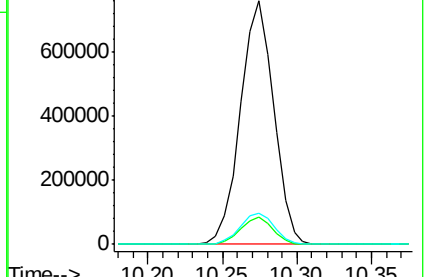
127 12.8 10.6 16.0



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: 25.711 ng/ul

RT: 10.27 min Scan# 1256

Delta R.T. -0.12 min

Lab File: BM010709.D

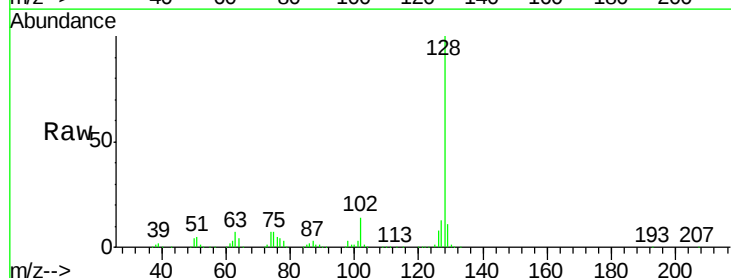
Acq: 24 Jun 2017 02:38

Tgt Ion:127 Resp: 156661

Ion Ratio Lower Upper

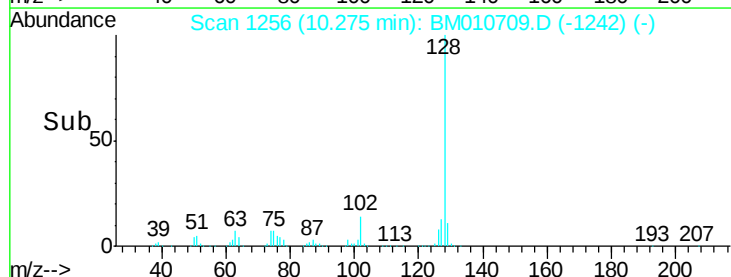
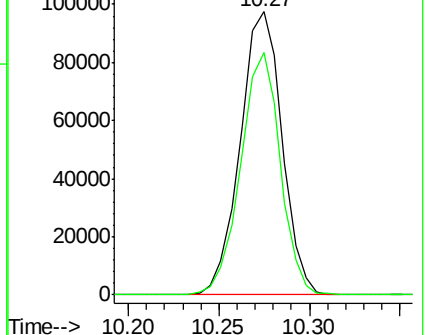
127 100

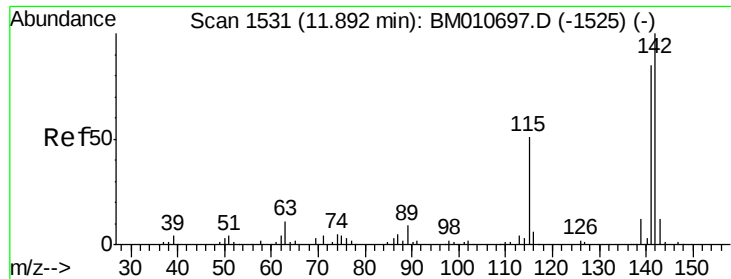
129 85.6 28.4 42.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

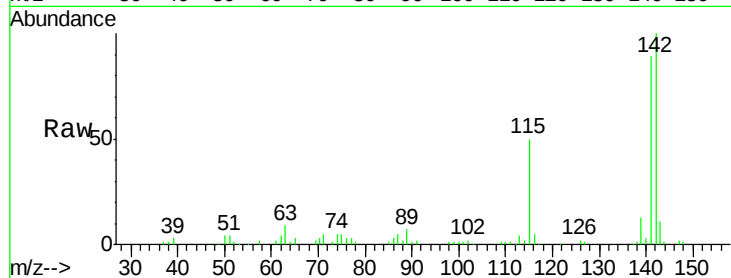




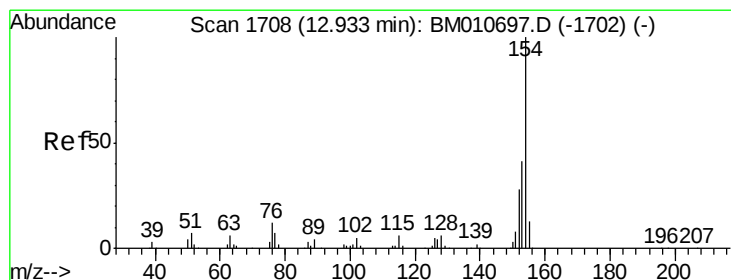
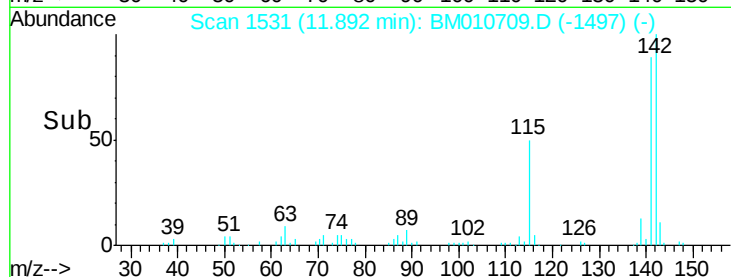
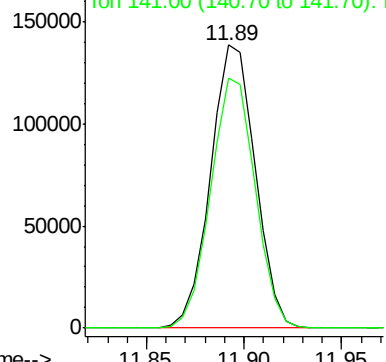
#34
 2-Methylnaphthalene
 Concen: 16.553 ng/ul
 RT: 11.89 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: BM010709.D
 Acq: 24 Jun 2017 02:38

Instrument :
 BNA_M
 ClientSampleId :
 F5C80ME

Tgt Ion:142 Resp: 220027
 Ion Ratio Lower Upper
 142 100
 141 88.6 74.1 111.1

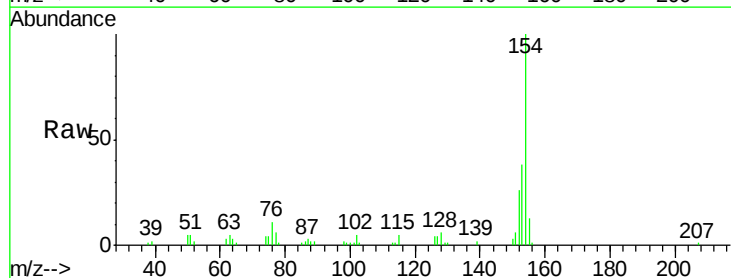


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E

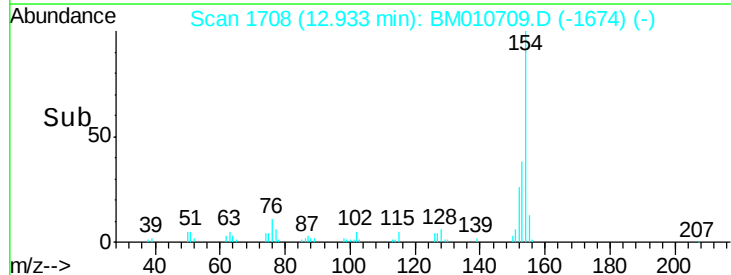
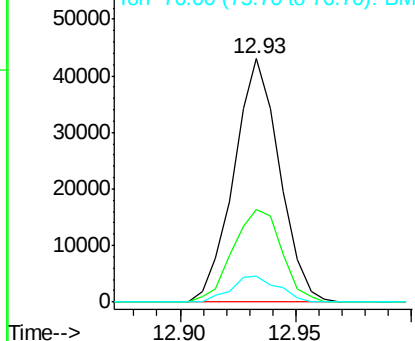


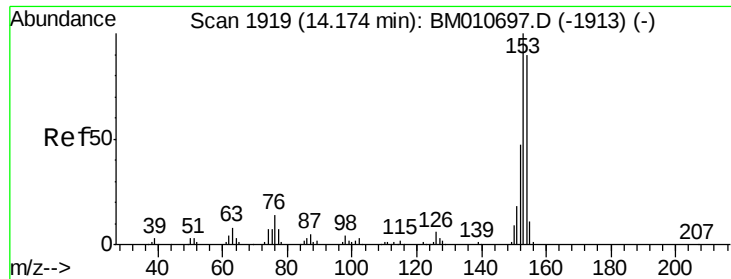
#40
 1,1'-Biphenyl
 Concen: 3.226 ng/ul
 RT: 12.93 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: BM010709.D
 Acq: 24 Jun 2017 02:38

Tgt Ion:154 Resp: 59396
 Ion Ratio Lower Upper
 154 100
 153 37.9 32.6 48.8
 76 10.6 8.5 12.7



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM





#49

Acenaphthene

Concen: 12.347 ng/ul

RT: 14.17 min Scan# 1919

Delta R.T. -0.00 min

Lab File: BM010709.D

Acq: 24 Jun 2017 02:38

Instrument :

BNA_M

ClientSampleId :

F5C80ME

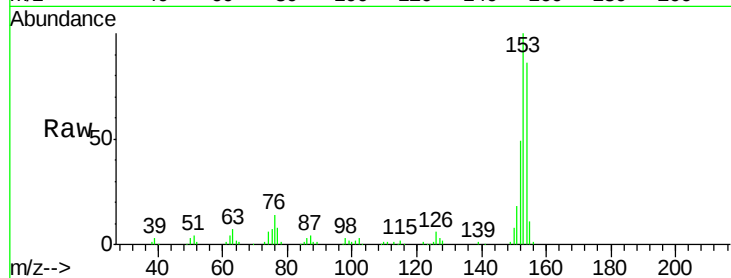
Tgt Ion:153 Resp: 190761

Ion Ratio Lower Upper

153 100

152 48.8 37.6 56.4

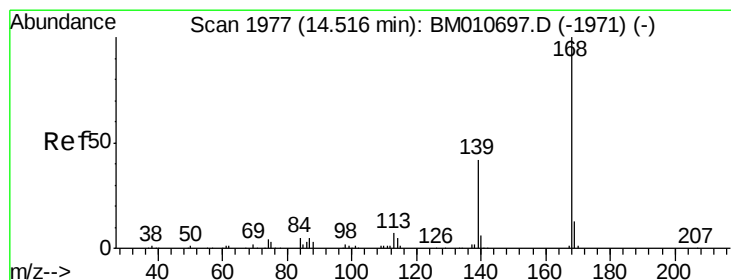
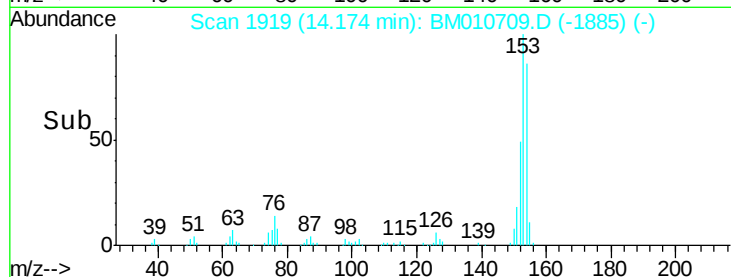
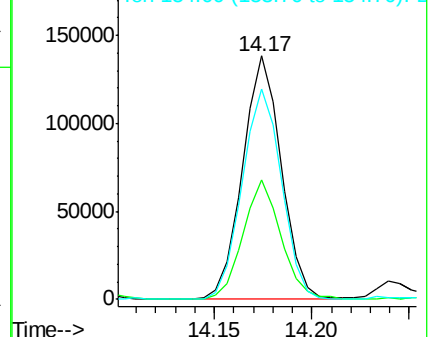
154 86.3 70.4 105.6



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: 10.045 ng/ul

RT: 14.52 min Scan# 1977

Delta R.T. -0.00 min

Lab File: BM010709.D

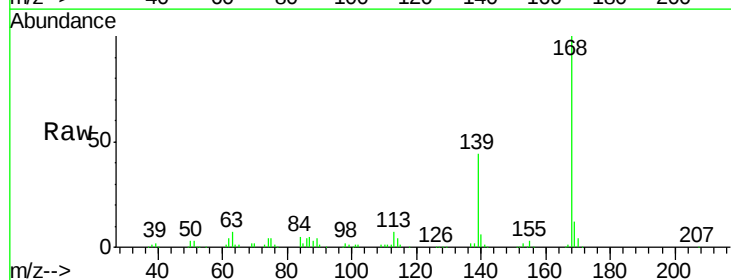
Acq: 24 Jun 2017 02:38

Tgt Ion:168 Resp: 235040

Ion Ratio Lower Upper

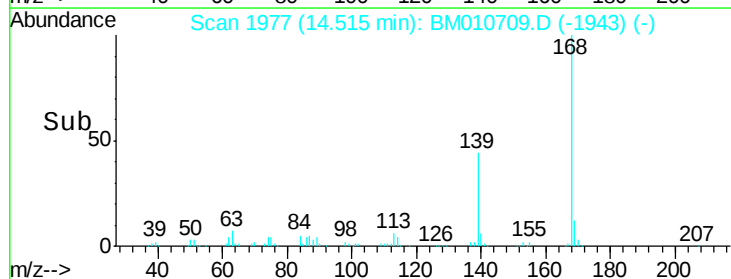
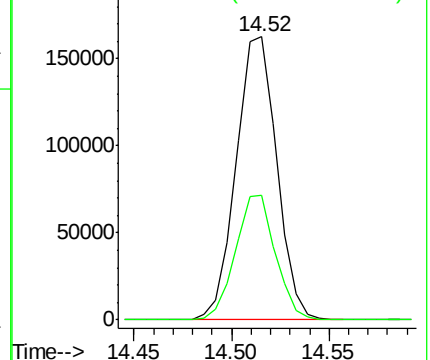
168 100

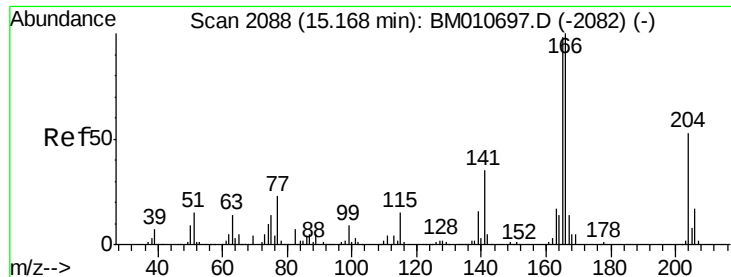
139 44.0 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 12.080 ng/ul

RT: 15.17 min Scan# 2088

Delta R.T. -0.00 min

Lab File: BM010709.D

Acq: 24 Jun 2017 02:38

Instrument :

BNA_M

ClientSampleId :

F5C80ME

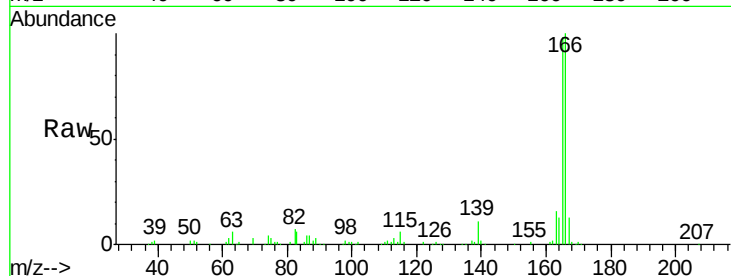
Tgt Ion:166 Resp: 236647

Ion Ratio Lower Upper

166 100

165 98.1 77.9 116.9

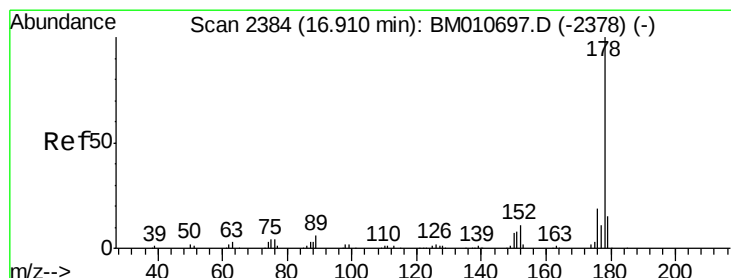
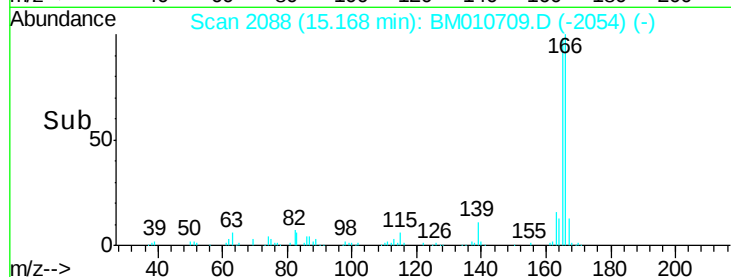
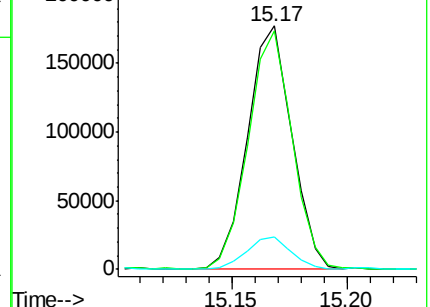
167 13.1 10.6 16.0



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: 36.371 ng/ul

RT: 16.91 min Scan# 2384

Delta R.T. -0.00 min

Lab File: BM010709.D

Acq: 24 Jun 2017 02:38

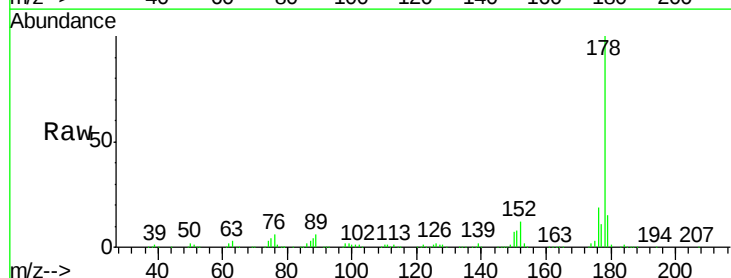
Tgt Ion:178 Resp: 1085786

Ion Ratio Lower Upper

178 100

179 15.0 12.6 19.0

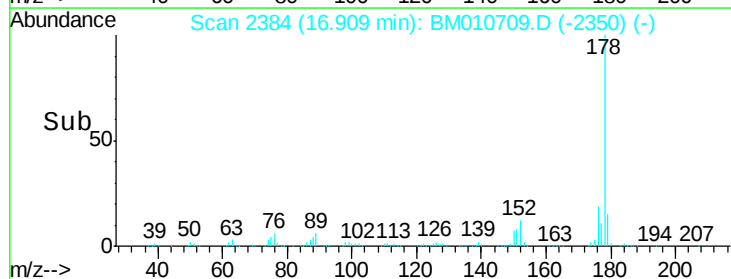
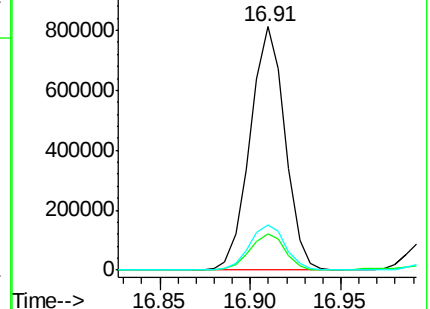
176 18.8 14.9 22.3

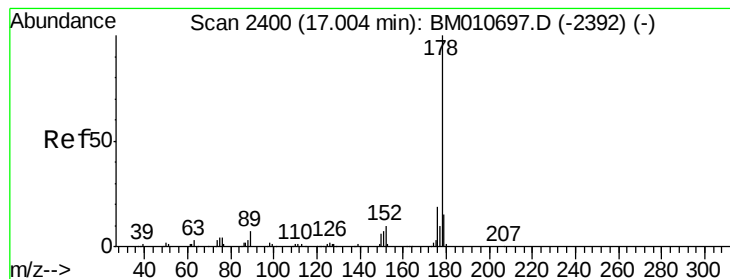


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 4.892 ng/ul

RT: 17.00 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BM010709.D

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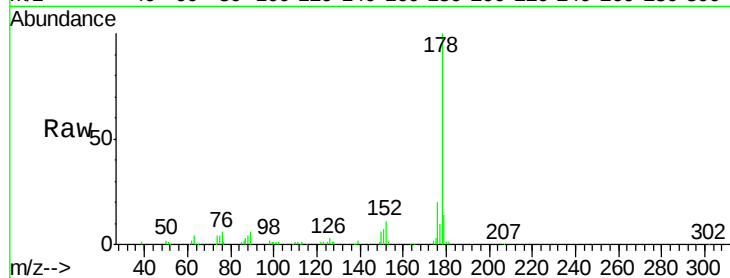
Tgt Ion:178 Resp: 150472

Ion Ratio Lower Upper

178 100

179 13.9 11.7 17.5

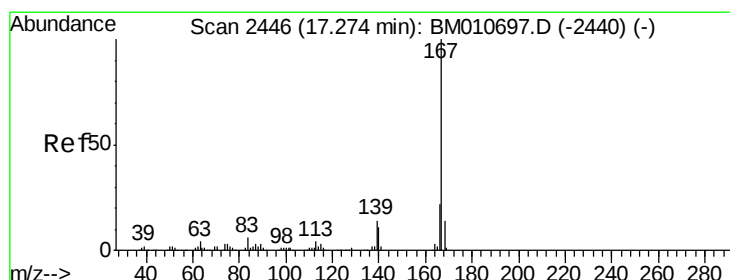
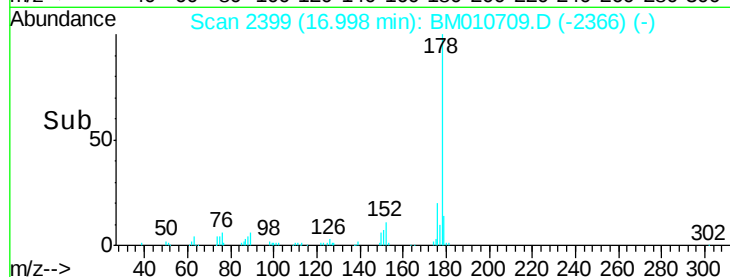
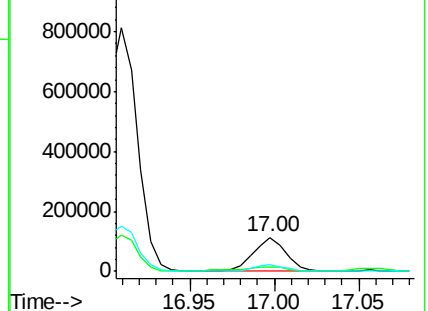
176 19.7 14.6 21.8



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: 3.503 ng/ul

RT: 17.27 min Scan# 2446

Delta R.T. -0.00 min

Lab File: BM010709.D

Acq: 24 Jun 2017 02:38

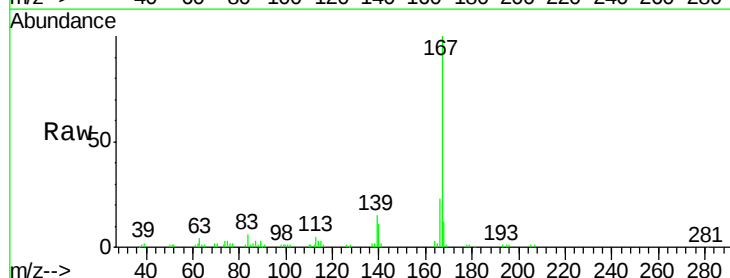
Tgt Ion:167 Resp: 93987

Ion Ratio Lower Upper

167 100

166 23.2 17.1 25.7

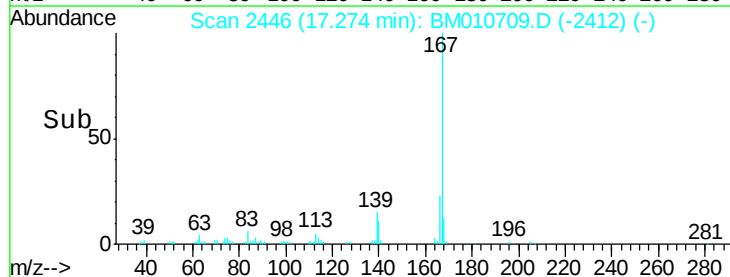
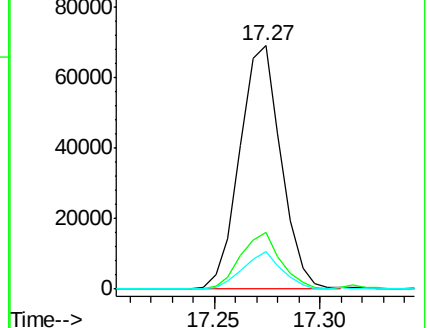
139 15.2 10.0 15.0#

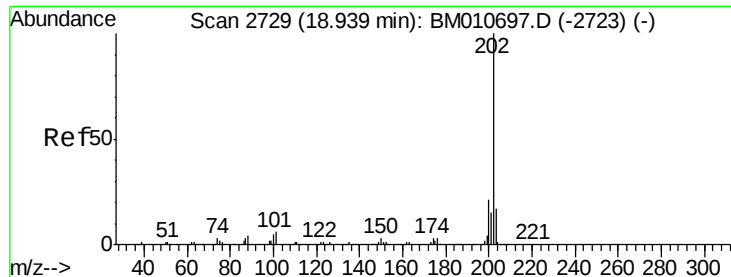


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 17.675 ng/ul

RT: 18.94 min Scan# 2729

Delta R.T. -0.00 min

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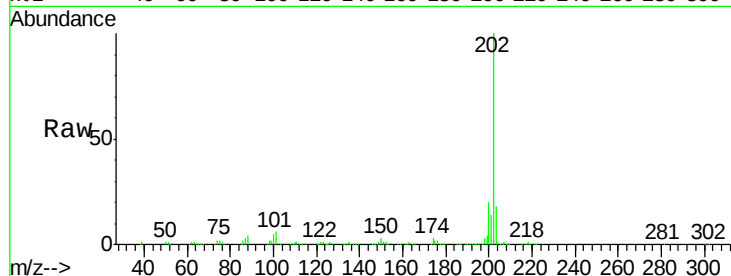
Tgt Ion:202 Resp: 680001

Ion Ratio Lower Upper

202 100

101 6.4 4.6 7.0

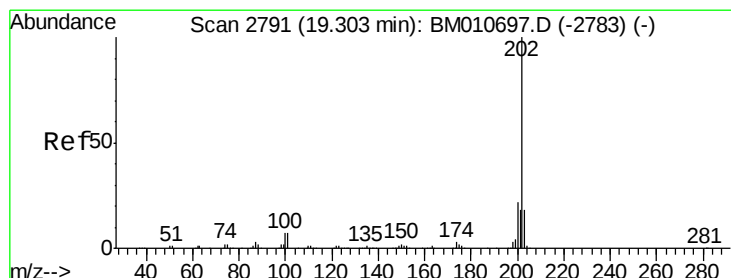
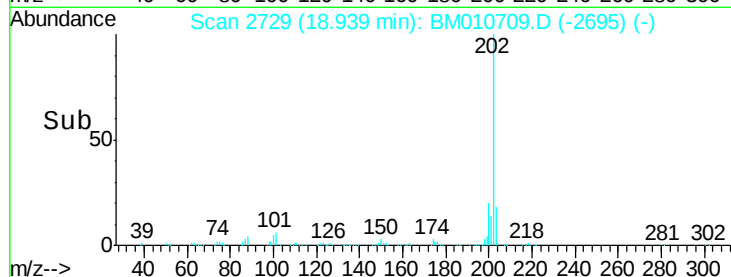
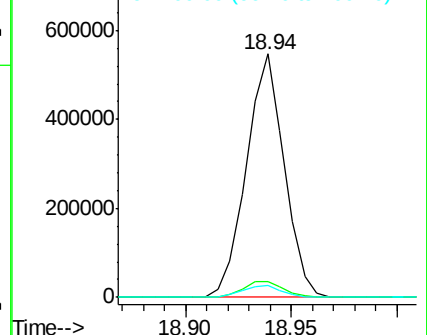
100 4.7 3.4 5.2



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: 13.341 ng/ul

RT: 19.30 min Scan# 2791

Delta R.T. -0.00 min

Lab File: BM010709.D

Acq: 24 Jun 2017 02:38

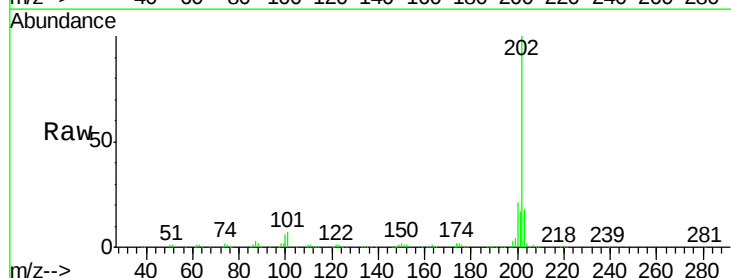
Tgt Ion:202 Resp: 454452

Ion Ratio Lower Upper

202 100

101 7.0 5.1 7.7

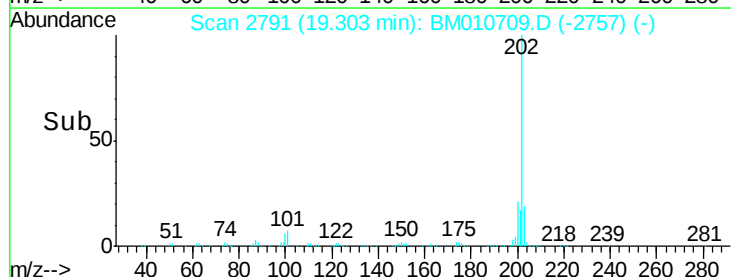
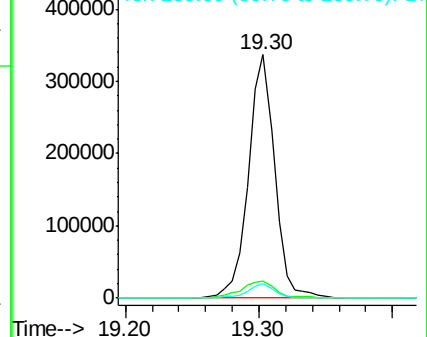
100 6.1 4.9 7.3

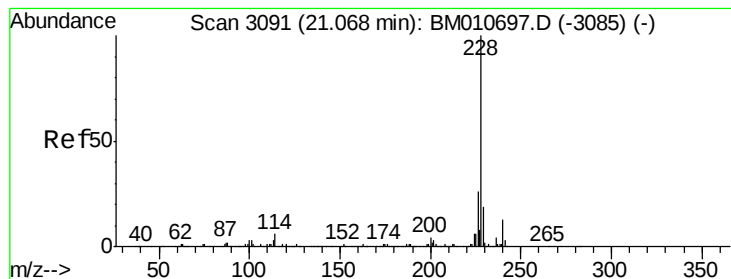


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

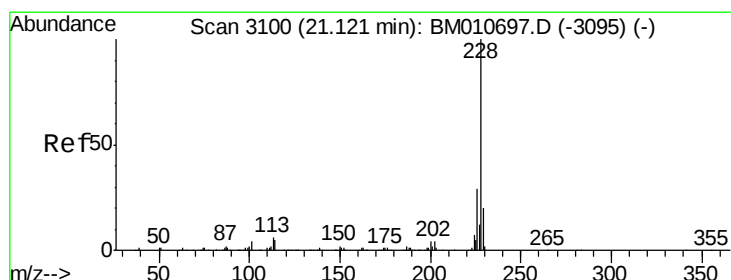
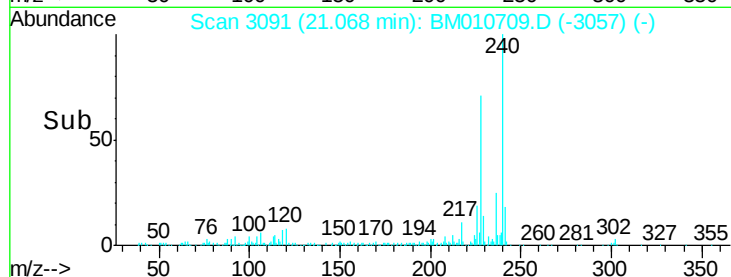
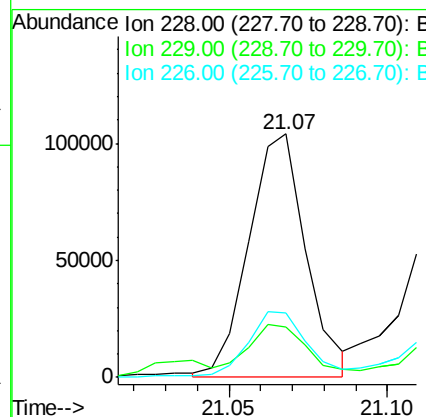
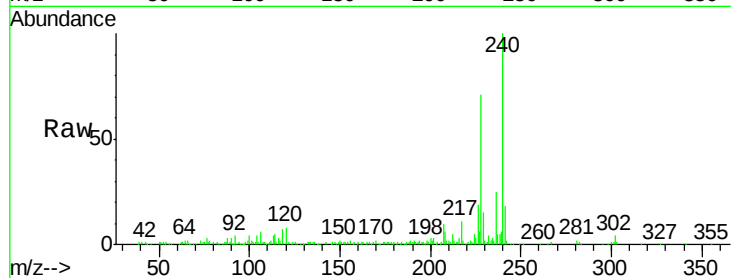




#80
Benzo(a)anthracene
Concen: 3.794 ng/ul
RT: 21.07 min Scan# 3091
Delta R.T. -0.00 min
Lab File: BM010709.D
Acq: 24 Jun 2017 02:38

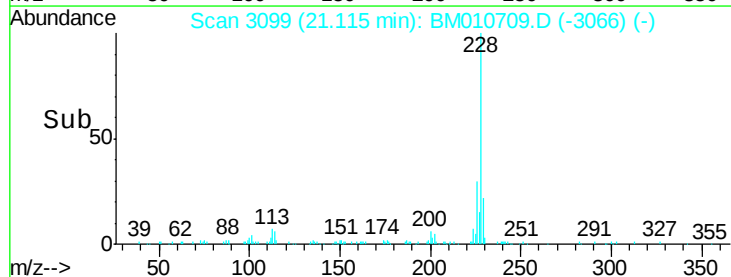
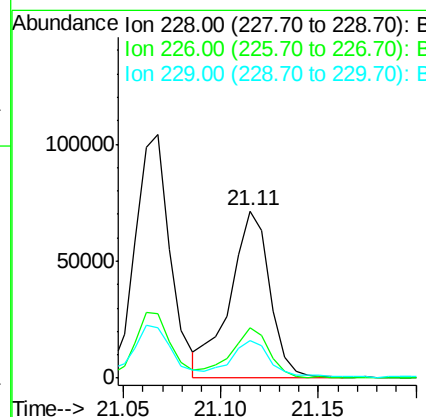
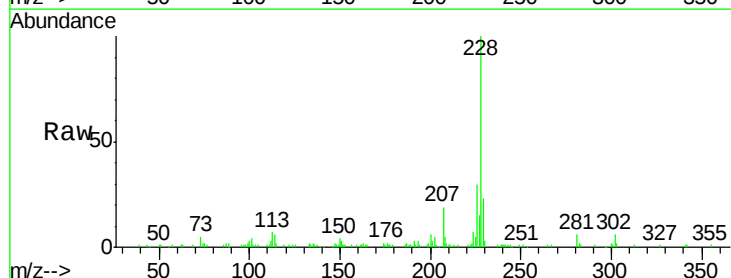
Instrument :
BNA_M
ClientSampleId :
F5C80ME

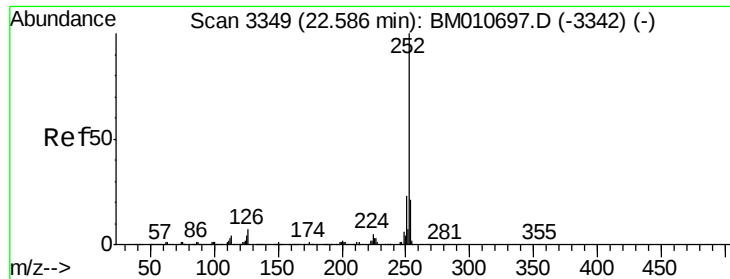
Tgt Ion:228 Resp: 130310
Ion Ratio Lower Upper
228 100
229 20.6 15.4 23.0
226 26.5 21.4 32.0



#82
Chrysene
Concen: 3.296 ng/ul
RT: 21.11 min Scan# 3099
Delta R.T. -0.01 min
Lab File: BM010709.D
Acq: 24 Jun 2017 02:38

Tgt Ion:228 Resp: 100939
Ion Ratio Lower Upper
228 100
226 30.2 23.4 35.2
229 22.8 15.5 23.3





#85

Benzo(b)fluoranthene

Concen: 2.030 ng/ul

RT: 22.59 min Scan# 3349

Delta R.T. -0.00 min

Lab File: BM010709.D

Acq: 24 Jun 2017 02:38

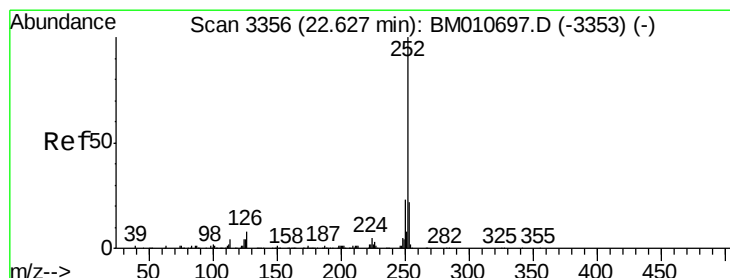
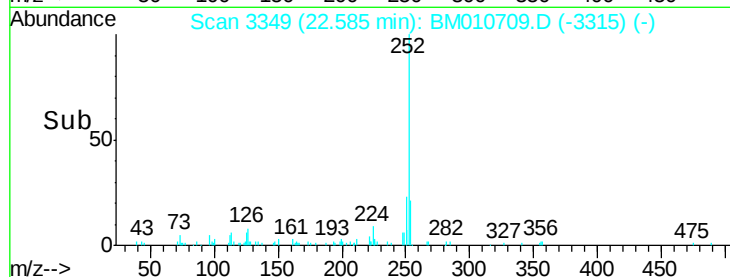
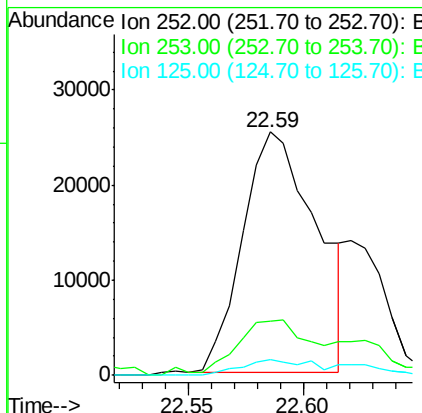
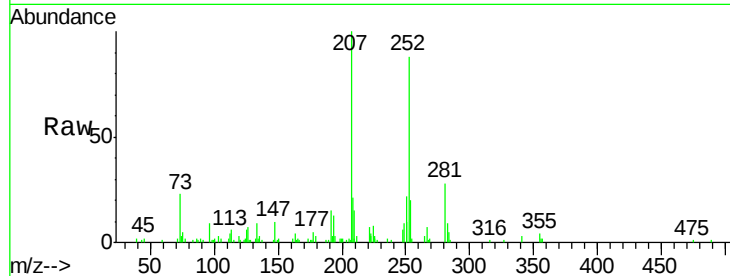
Instrument :

BNA_M

ClientSampleId :

F5C80ME

Tgt Ion:	252	Resp:	56237
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.9	26.9
125	6.3	3.6	5.4#



#86

Benzo(k)fluoranthene

Concen: 2.141 ng/ul

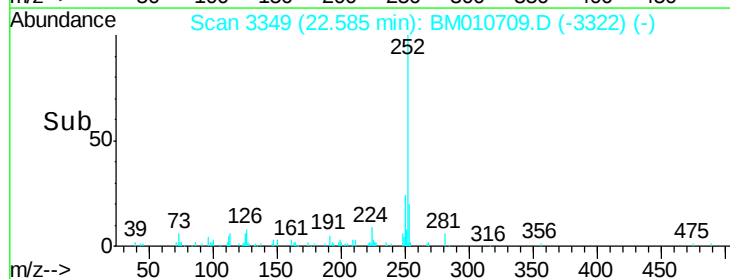
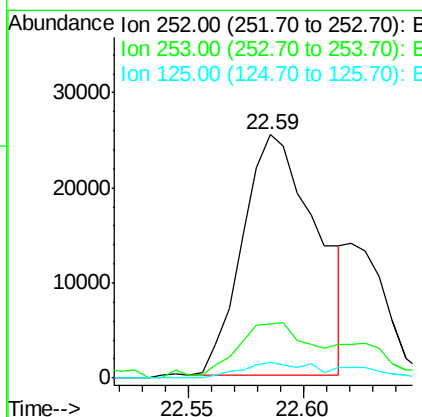
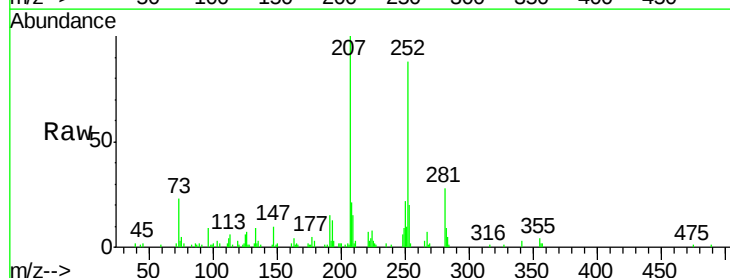
RT: 22.59 min Scan# 3349

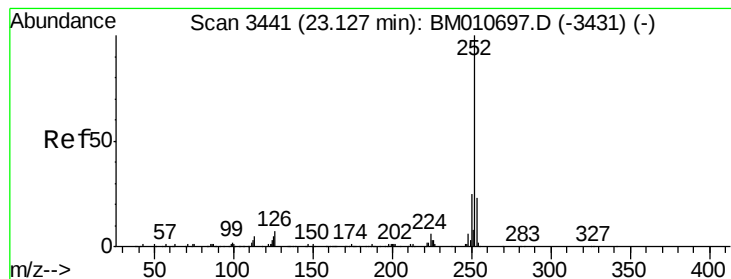
Delta R.T. -0.04 min

Lab File: BM010709.D

Acq: 24 Jun 2017 02:38

Tgt Ion:	252	Resp:	56237
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.1	25.7
125	6.3	3.4	5.2#





#88

Benzo(a)pyrene

Concen: 1.273 ng/ul

RT: 23.12 min Scan# 3440

Delta R.T. -0.01 min

Lab File: BM010709.D

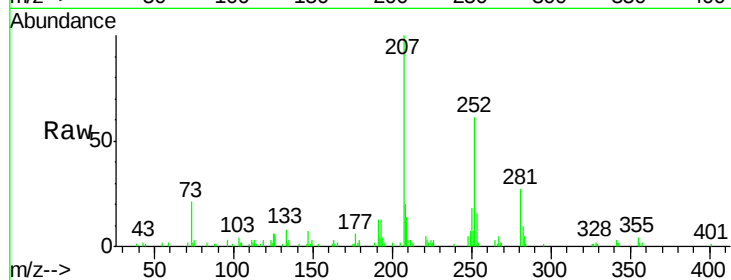
Acq: 24 Jun 2017 02:38

Instrument :

BNA_M

ClientSampleId :

F5C80ME



Tgt Ion:	252	Resp:	32481
Ion Ratio	Lower	Upper	
252	100		
253	25.6	18.2	27.2
125	10.0	4.0	6.0

