

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
 Data File : BM010705.D
 Acq On : 24 Jun 2017 00:14
 Operator : SJ/JU
 Sample : I3599-13MEDL 50X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5B27MEDL

Quant Time: Jun 24 04:41:50 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	75890	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	360798	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.11	164	260070	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	638440	20.00	ng/ul	0.00
75) Chrysene-d12	21.08	240	657410	20.00	ng/ul	0.00
83) Perylene-d12	23.22	264	469087	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	2507	0.35	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	1234	0.30	ng/ul	0.00
9) 2-Chlorophenol-d4	6.99	132	1875	0.37	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	2216	0.37	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	1292	0.50	ng/ul	0.00
22) 2-Nitrophenol-d4	9.31	143	787	0.27	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	2842	0.46	ng/ul	0.00
29) 4-Chloroaniline-d4	10.37	131	4024	0.61	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	9213	0.40	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	12339	0.46	ng/ul	0.00
51) 4-Nitrophenol-d4	14.33	143	414	0.10	ng/ul	0.00
57) Fluorene-d10	15.12	176	10346	0.52	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	883	0.23	ng/ul	-0.01
70) Anthracene-d10	16.87	188	638440	20.71	ng/ul	-0.10
76) Pyrene-d10	19.27	212	15388	0.50	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.09	264	8928	0.39	ng/ul	0.00

Target Compounds

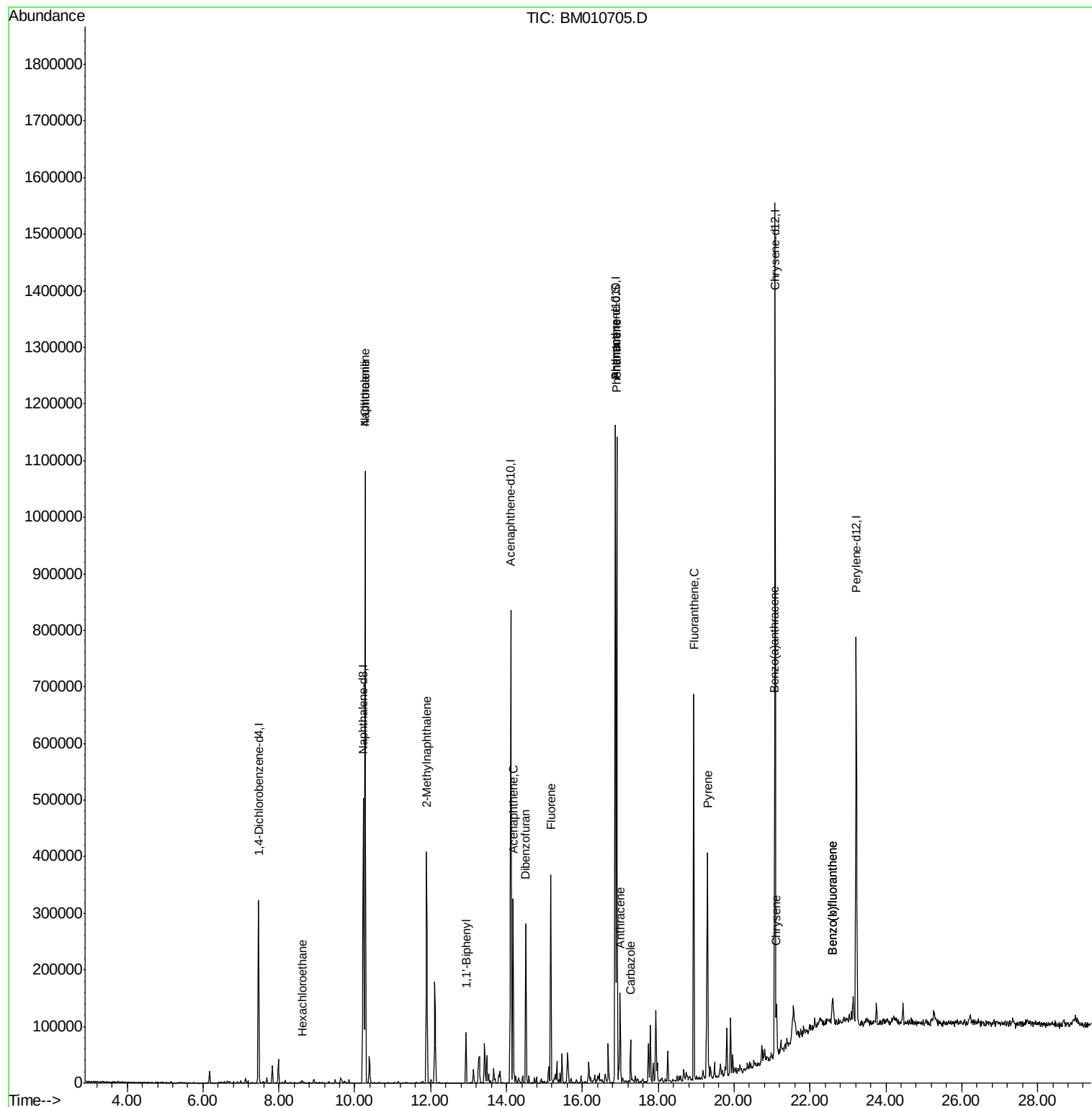
					Qvalue	
17) Hexachloroethane	8.62	117	2268	1.006	ng/ul#	1
28) Naphthalene	10.27	128	761855	42.432	ng/ul	100
30) 4-Chloroaniline	10.27	127	101543	15.348	ng/ul#	21
34) 2-Methylnaphthalene	11.89	142	168858	11.699	ng/ul	95
40) 1,1'-Biphenyl	12.93	154	43797	2.154	ng/ul#	96
49) Acenaphthene	14.17	153	125004	7.327	ng/ul	97
53) Dibenzofuran	14.52	168	147883	5.723	ng/ul	94
58) Fluorene	15.17	166	147964	6.840	ng/ul	99
69) Phenanthrene	16.91	178	613669	18.080	ng/ul	99
71) Anthracene	17.00	178	90108	2.577	ng/ul	95
72) Carbazole	17.27	167	40278	1.320	ng/ul	97
74) Fluoranthene	18.94	202	381667	8.725	ng/ul	99
77) Pyrene	19.30	202	249548	6.572	ng/ul	98
80) Benzo(a)anthracene	21.06	228	77362	2.021	ng/ul	97
82) Chrysene	21.12	228	52429	1.536	ng/ul	94
85) Benzo(b)fluoranthene	22.59	252	33963	1.115	ng/ul	96
86) Benzo(k)fluoranthene	22.59	252	33963	1.177	ng/ul	94

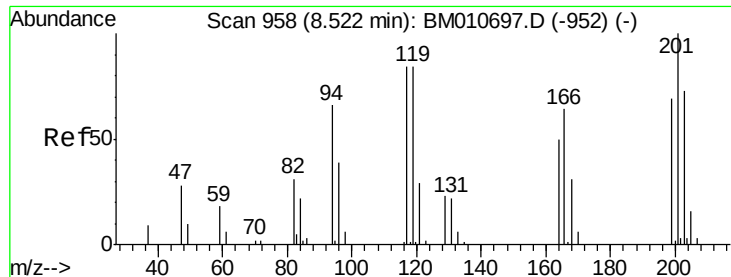
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#17

Hexachloroethane

Concen: 1.006 ng/ul

RT: 8.62 min Scan# 975

Delta R.T. 0.10 min

Lab File: BM010705.D

Acq: 24 Jun 2017 00:14

Instrument :

BNA_M

ClientSampleId :

F5B27MEDL

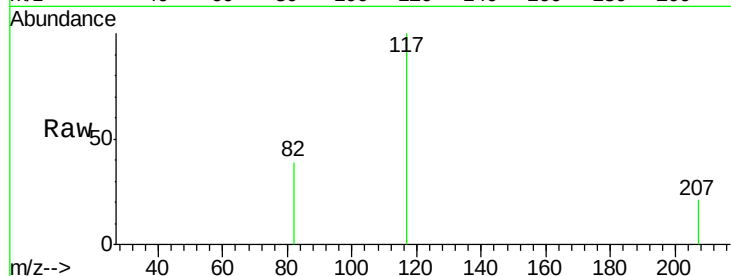
Tgt Ion:117 Resp: 2268

Ion Ratio Lower Upper

117 100

201 0.0 111.6 167.4#

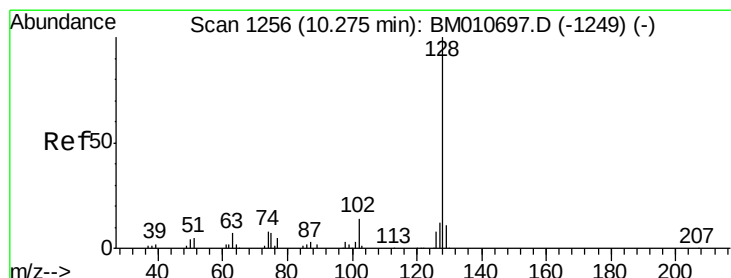
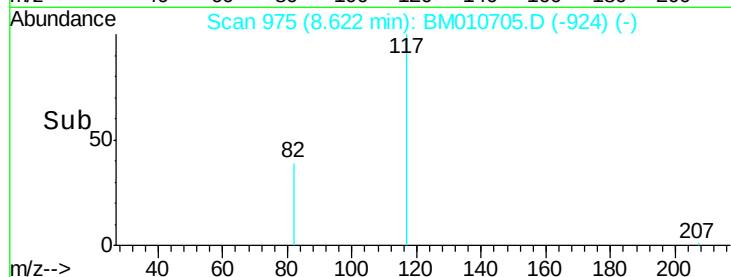
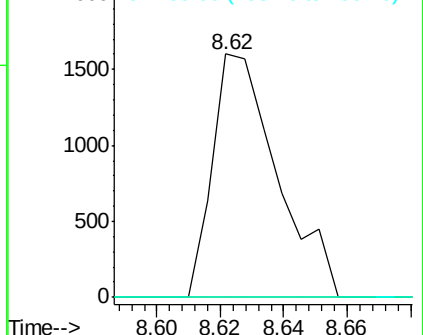
199 0.0 67.8 101.6#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#28

Naphthalene

Concen: 42.432 ng/ul

RT: 10.27 min Scan# 1256

Delta R.T. 0.00 min

Lab File: BM010705.D

Acq: 24 Jun 2017 00:14

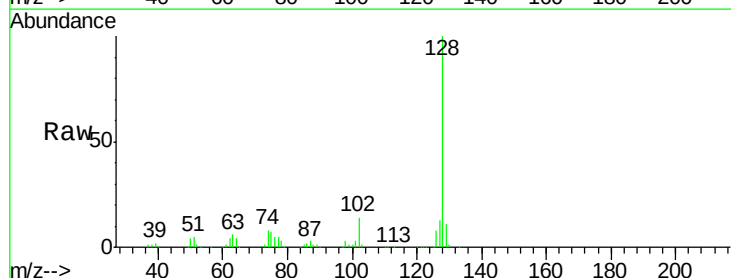
Tgt Ion:128 Resp: 761855

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

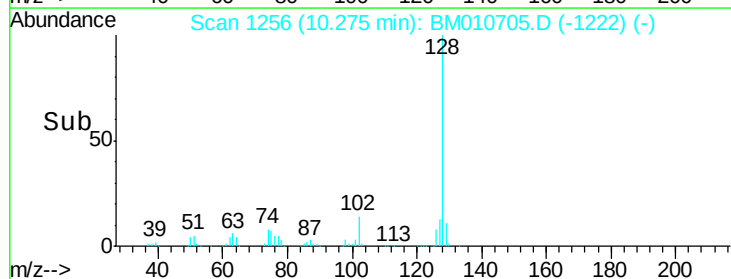
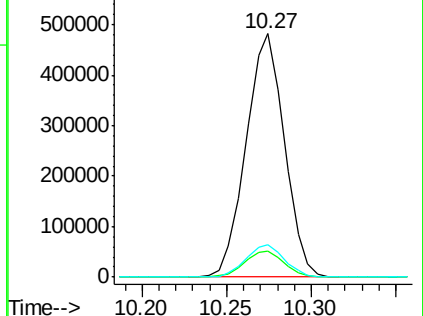
127 13.3 10.6 16.0

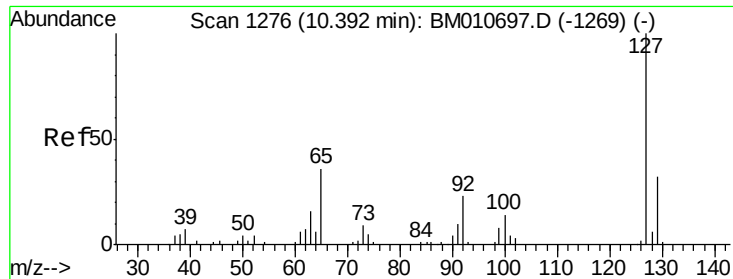


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

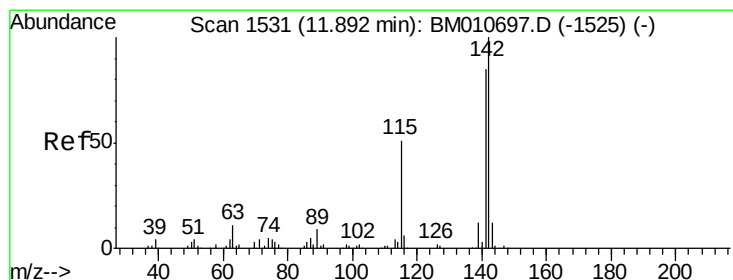
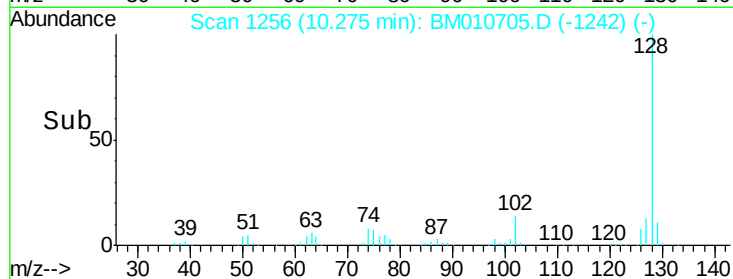
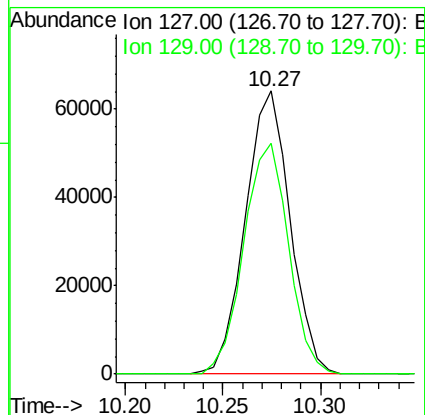
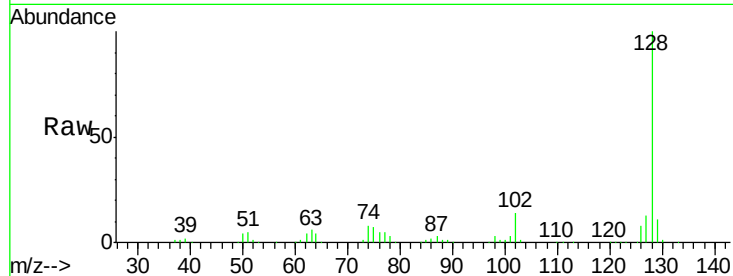




#30
4-Chloroaniline
Concen: 15.348 ng/ul
RT: 10.27 min Scan# 1256
Delta R.T. -0.12 min
Lab File: BM010705.D
Acq: 24 Jun 2017 00:14

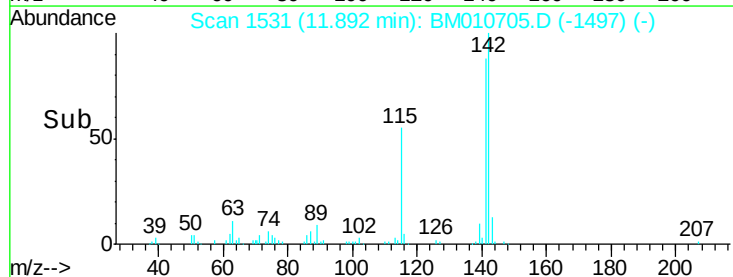
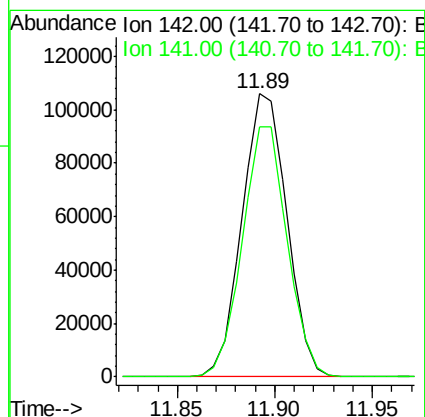
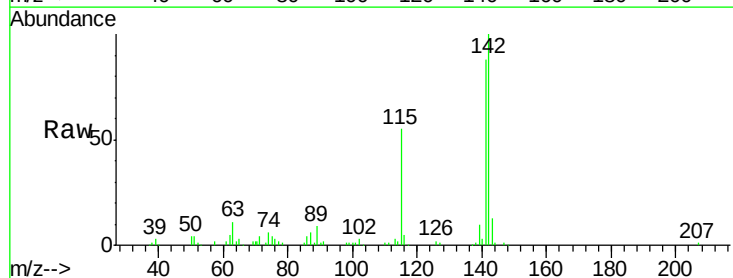
Instrument :
BNA_M
ClientSampleId :
F5B27MEDL

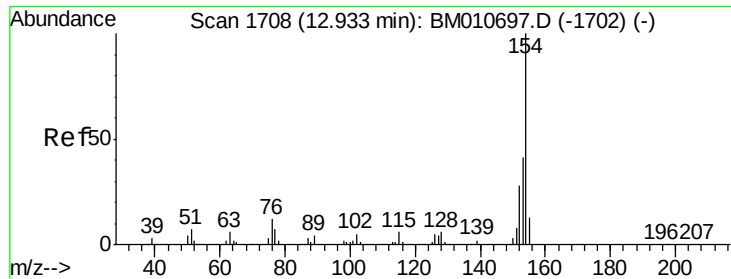
Tgt Ion:127 Resp: 101543
Ion Ratio Lower Upper
127 100
129 81.7 28.4 42.6#



#34
2-Methylnaphthalene
Concen: 11.699 ng/ul
RT: 11.89 min Scan# 1531
Delta R.T. 0.00 min
Lab File: BM010705.D
Acq: 24 Jun 2017 00:14

Tgt Ion:142 Resp: 168858
Ion Ratio Lower Upper
142 100
141 88.2 74.1 111.1

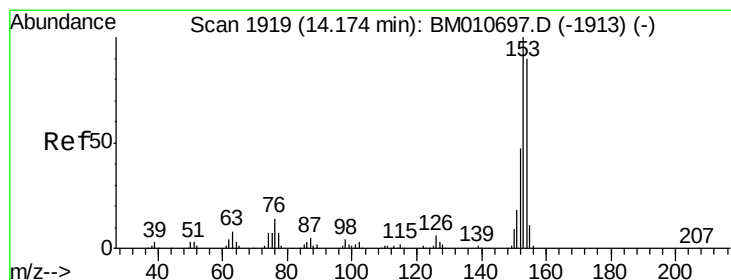
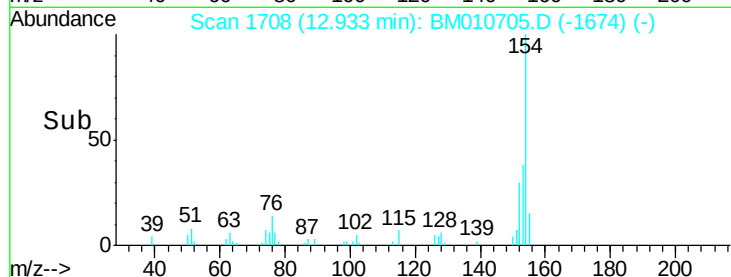
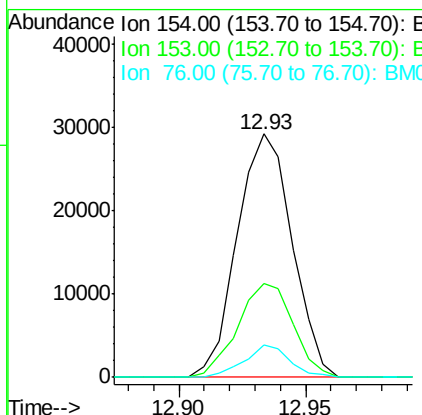
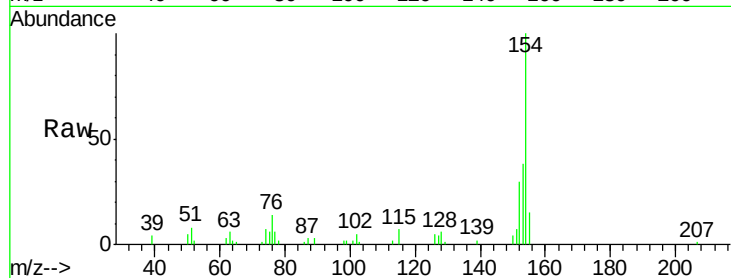




#40
 1,1'-Biphenyl
 Concen: 2.154 ng/ul
 RT: 12.93 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: BM010705.D
 Acq: 24 Jun 2017 00:14

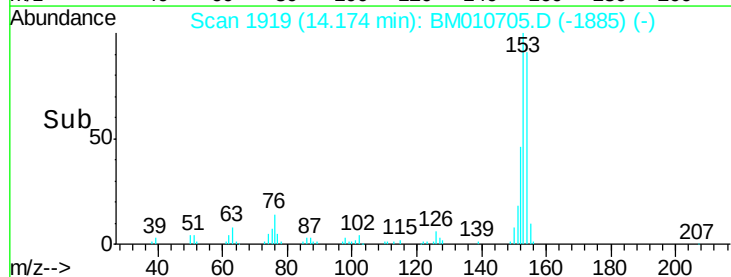
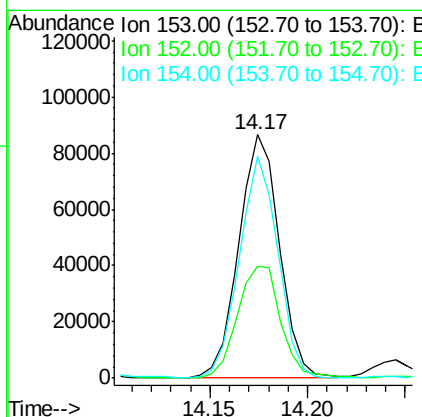
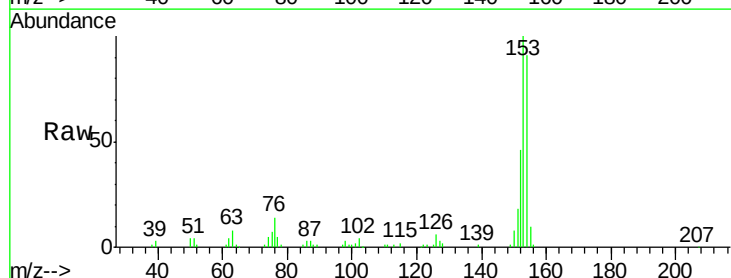
Instrument :
 BNA_M
 ClientSampleId :
 F5B27MEDL

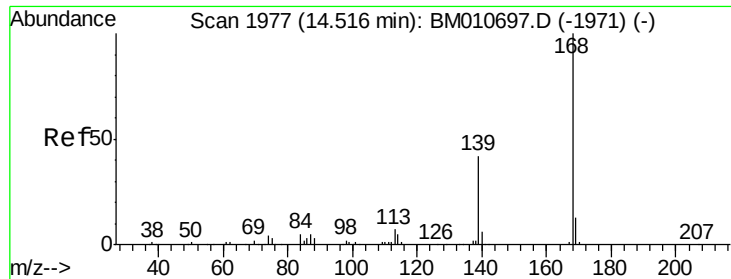
Tgt Ion	Ratio	Lower	Upper
154	100		
153	38.5	32.6	48.8
76	13.5	8.5	12.7



#49
 Acenaphthene
 Concen: 7.327 ng/ul
 RT: 14.17 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: BM010705.D
 Acq: 24 Jun 2017 00:14

Tgt Ion	Ratio	Lower	Upper
153	100		
152	45.6	37.6	56.4
154	91.0	70.4	105.6





#53

Dibenzenofuran

Concen: 5.723 ng/ul

RT: 14.52 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BM010705.D

Acq: 24 Jun 2017 00:14

Instrument :

BNA_M

ClientSampleId :

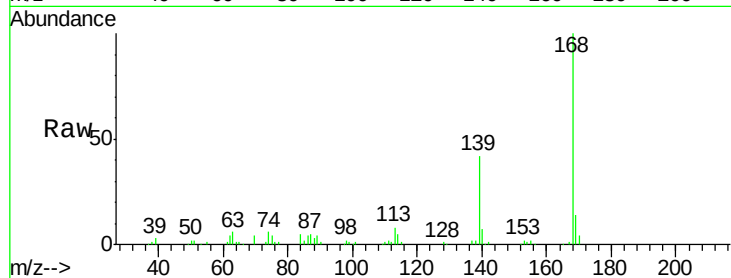
F5B27MEDL

Tgt Ion:168 Resp: 147883

Ion Ratio Lower Upper

168 100

139 42.2 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

120000

100000

80000

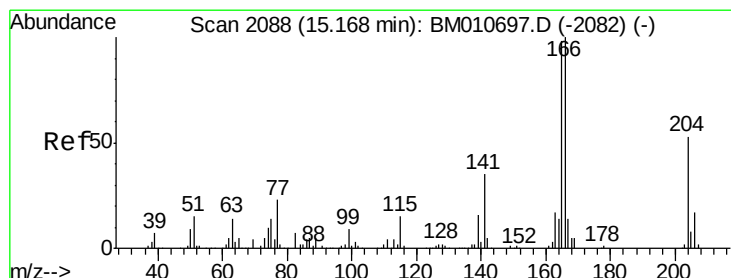
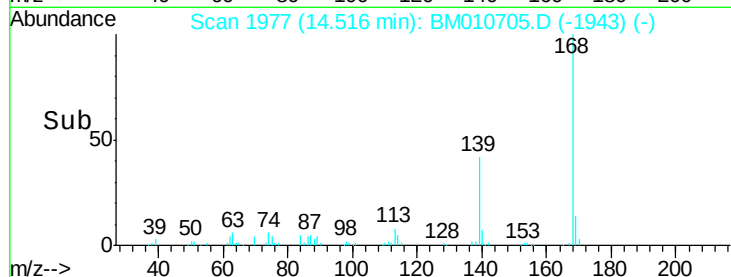
60000

40000

20000

0

Time--> 14.45 14.50 14.55



#58

Fluorene

Concen: 6.840 ng/ul

RT: 15.17 min Scan# 2088

Delta R.T. 0.00 min

Lab File: BM010705.D

Acq: 24 Jun 2017 00:14

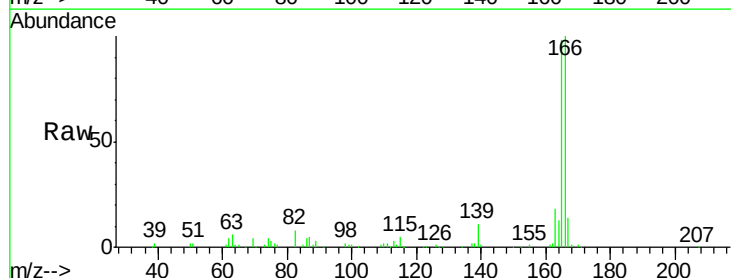
Tgt Ion:166 Resp: 147964

Ion Ratio Lower Upper

166 100

165 98.0 77.9 116.9

167 13.9 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

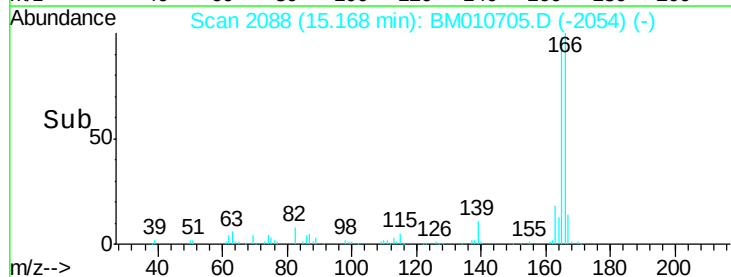
Ion 167.00 (166.70 to 167.70): E

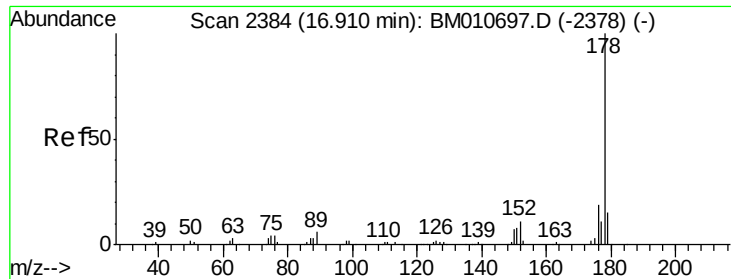
100000

50000

0

Time--> 15.10 15.15 15.20





#69

Phenanthrene

Concen: 18.080 ng/ul

RT: 16.91 min Scan# 2384

Delta R.T. 0.00 min

Lab File: BM010705.D

Acq: 24 Jun 2017 00:14

Instrument :

BNA_M

ClientSampleId :

F5B27MEDL

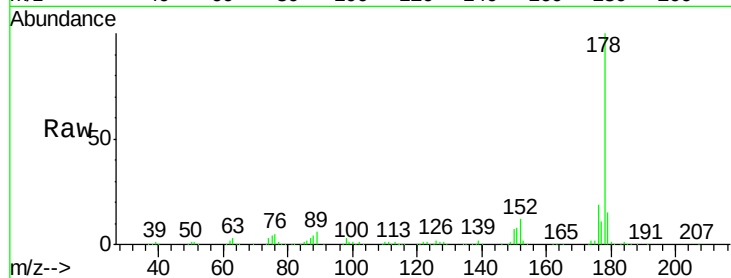
Tgt Ion:178 Resp: 613669

Ion Ratio Lower Upper

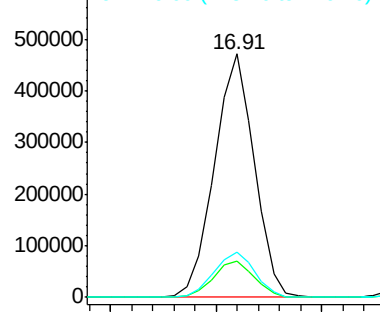
178 100

179 14.9 12.6 19.0

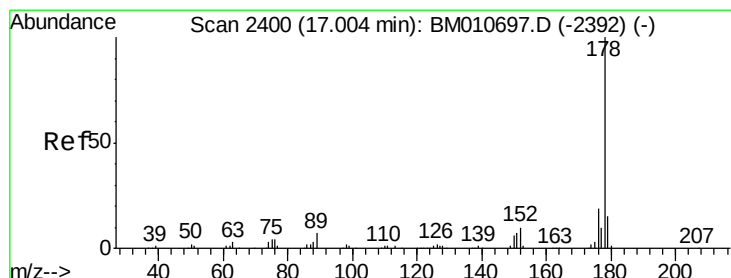
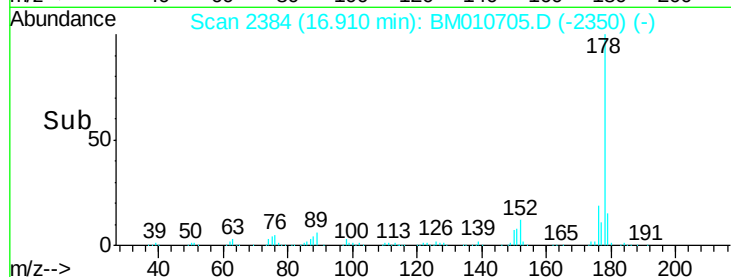
176 18.8 14.9 22.3



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



Time-->



#71

Anthracene

Concen: 2.577 ng/ul

RT: 17.00 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BM010705.D

Acq: 24 Jun 2017 00:14

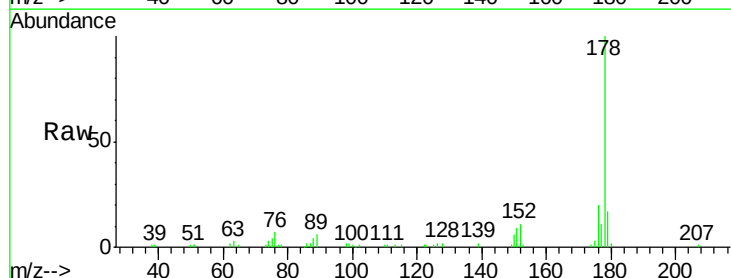
Tgt Ion:178 Resp: 90108

Ion Ratio Lower Upper

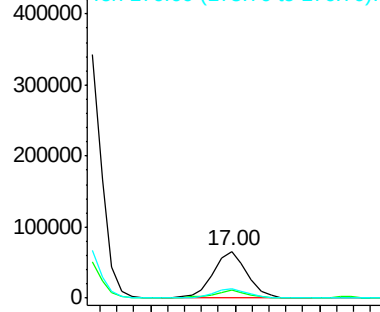
178 100

179 16.8 11.7 17.5

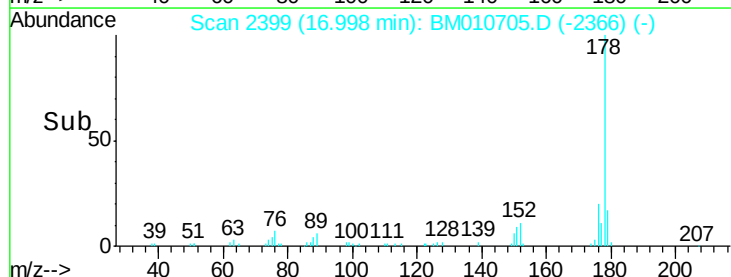
176 19.9 14.6 21.8

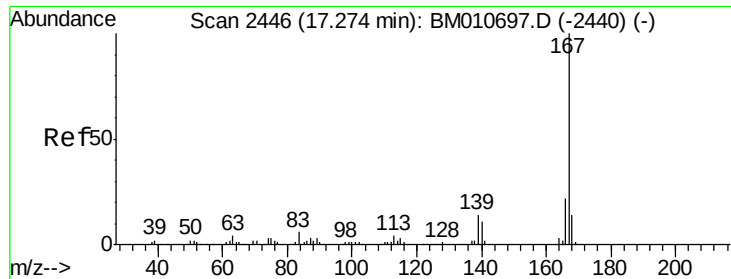


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



Time-->





#72

Carbazole

Concen: 1.320 ng/ul

RT: 17.27 min Scan# 2446

Delta R.T. 0.00 min

Lab File: BM010705.D

Acq: 24 Jun 2017 00:14

Instrument :

BNA_M

ClientSampleId :

F5B27MEDL

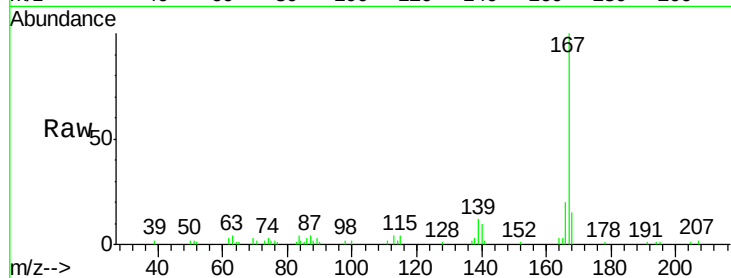
Tgt Ion:167 Resp: 40278

Ion Ratio Lower Upper

167 100

166 19.8 17.1 25.7

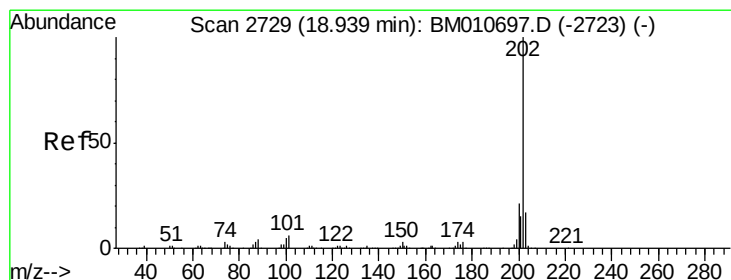
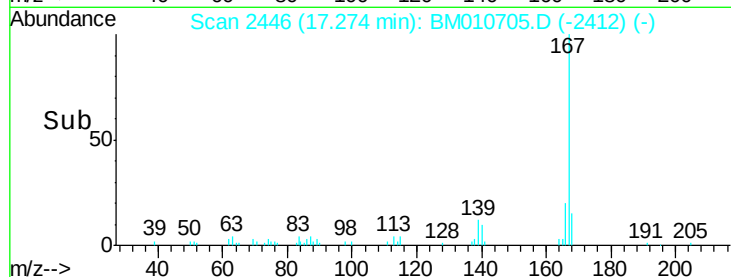
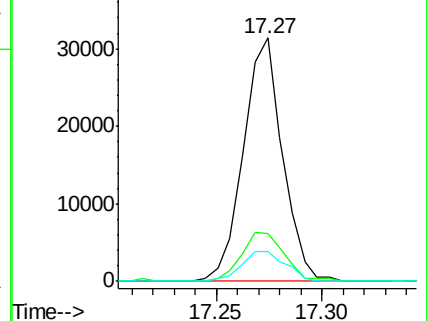
139 12.2 10.0 15.0



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: 8.725 ng/ul

RT: 18.94 min Scan# 2729

Delta R.T. 0.00 min

Lab File: BM010705.D

Acq: 24 Jun 2017 00:14

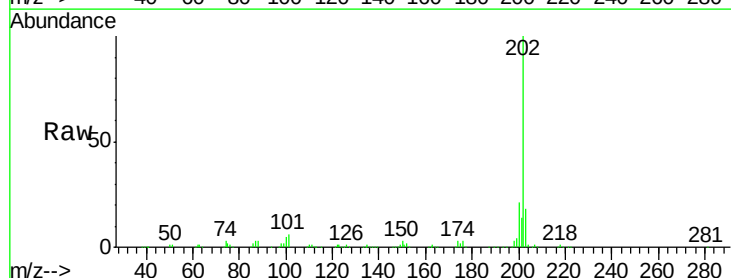
Tgt Ion:202 Resp: 381667

Ion Ratio Lower Upper

202 100

101 5.7 4.6 7.0

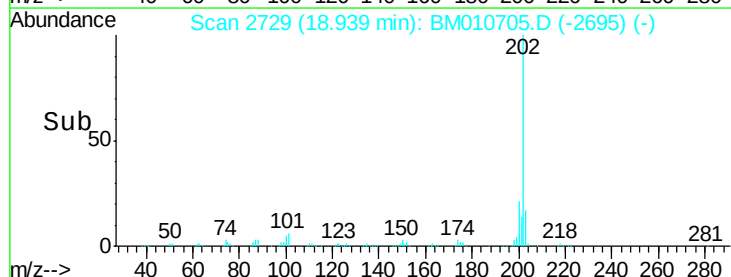
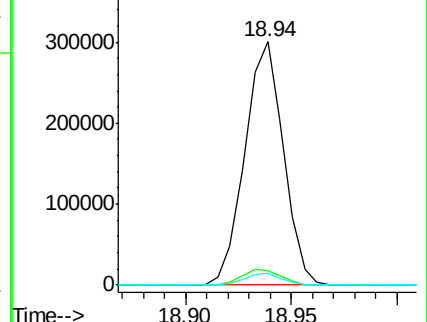
100 5.0 3.4 5.2

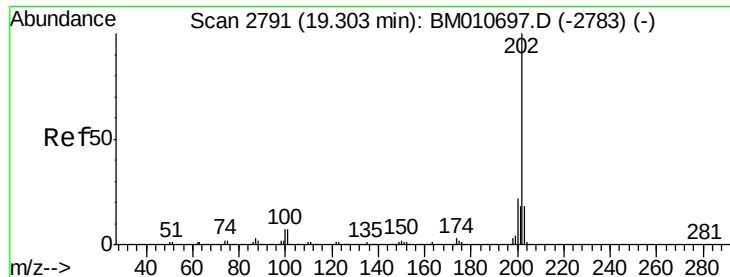


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

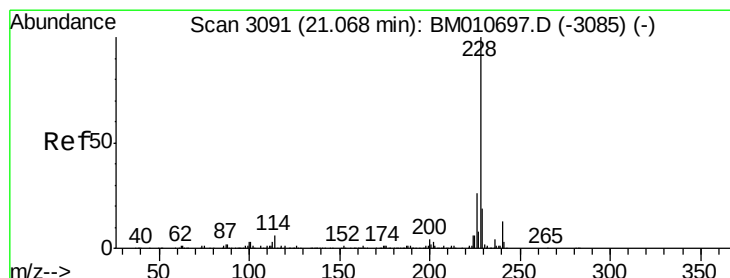
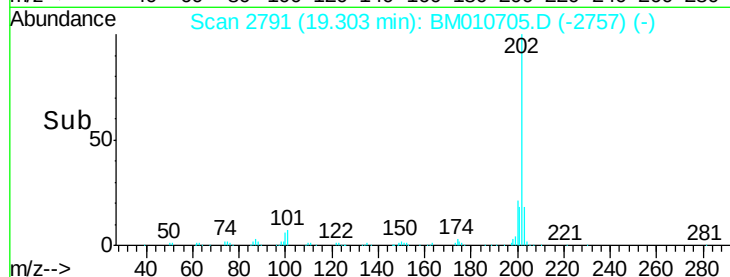
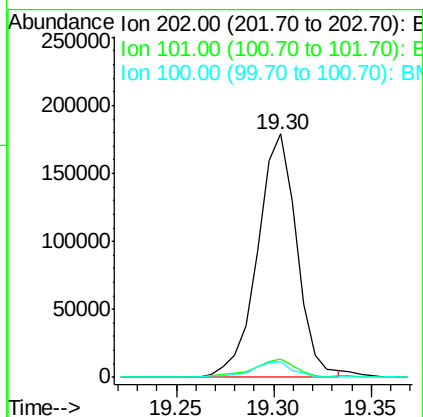
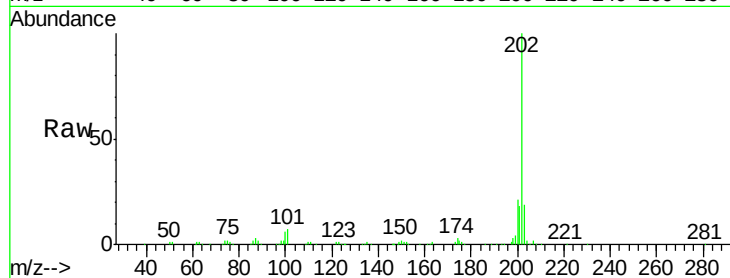




#77
 Pyrene
 Concen: 6.572 ng/ul
 RT: 19.30 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: BM010705.D
 Acq: 24 Jun 2017 00:14

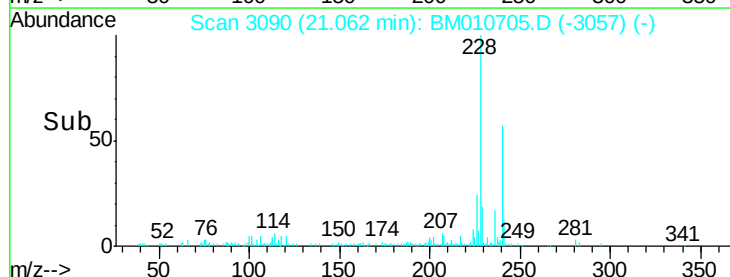
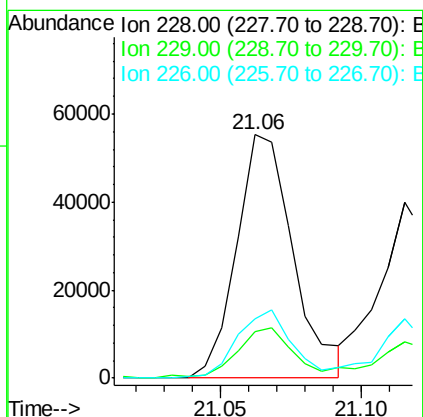
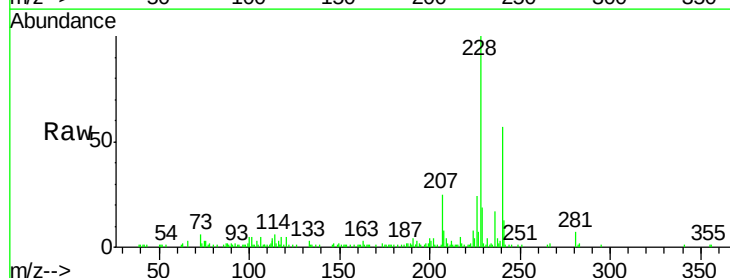
Instrument :
 BNA_M
 ClientSampleId :
 F5B27MEDL

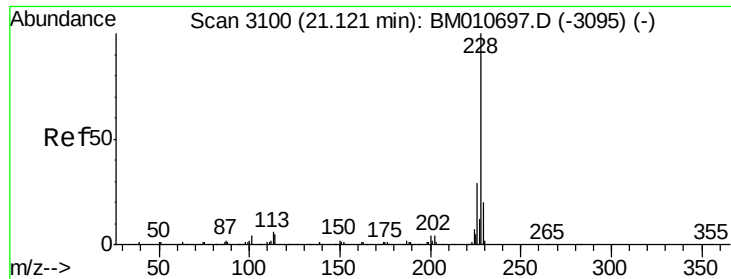
Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.4	5.1	7.7
100	6.3	4.9	7.3



#80
 Benzo(a)anthracene
 Concen: 2.021 ng/ul
 RT: 21.06 min Scan# 3090
 Delta R.T. -0.01 min
 Lab File: BM010705.D
 Acq: 24 Jun 2017 00:14

Tgt Ion	Ratio	Lower	Upper
228	100		
229	18.9	15.4	23.0
226	24.1	21.4	32.0





#82

Chrysene

Concen: 1.536 ng/ul

RT: 21.12 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM010705.D

Acq: 24 Jun 2017 00:14

Instrument :

BNA_M

ClientSampleId :

F5B27MEDL

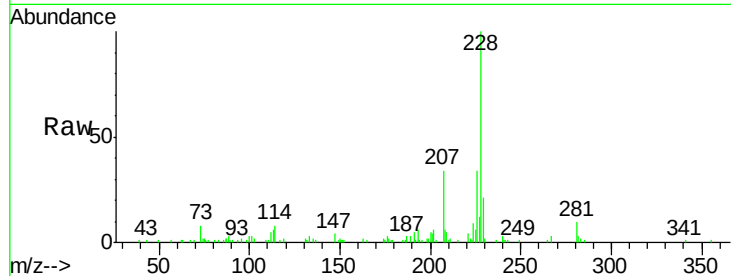
Tgt Ion:228 Resp: 52429

Ion Ratio Lower Upper

228 100

226 33.5 23.4 35.2

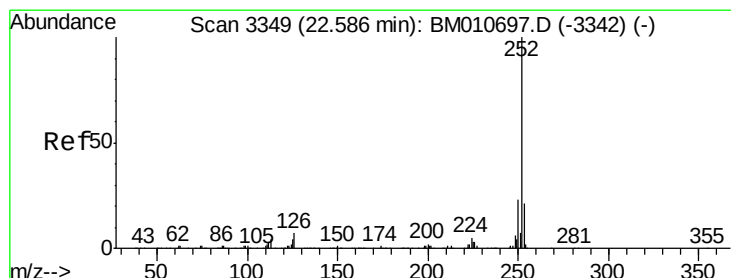
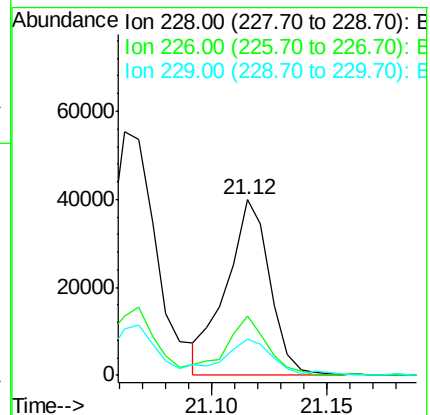
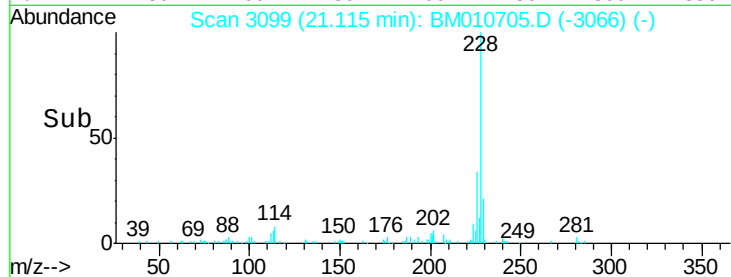
229 20.9 15.5 23.3



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: 1.115 ng/ul

RT: 22.59 min Scan# 3349

Delta R.T. 0.00 min

Lab File: BM010705.D

Acq: 24 Jun 2017 00:14

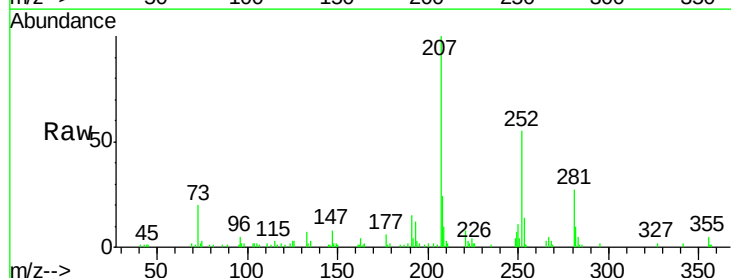
Tgt Ion:252 Resp: 33963

Ion Ratio Lower Upper

252 100

253 24.7 17.9 26.9

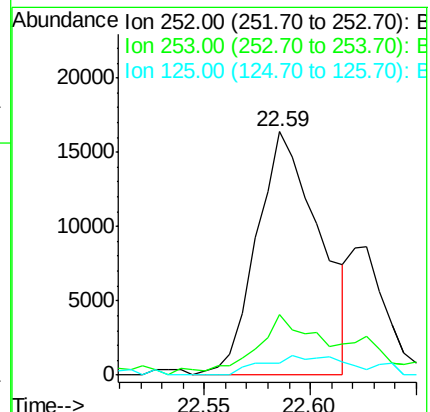
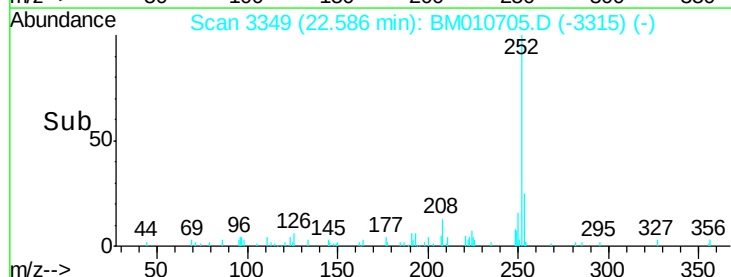
125 4.6 3.6 5.4

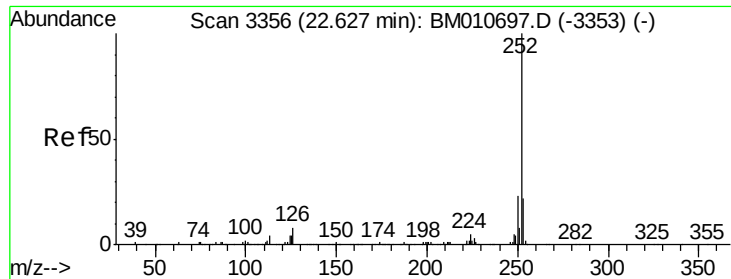


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 1.177 ng/ul

RT: 22.59 min Scan# 3349

Delta R.T. -0.04 min

Lab File: BM010705.D

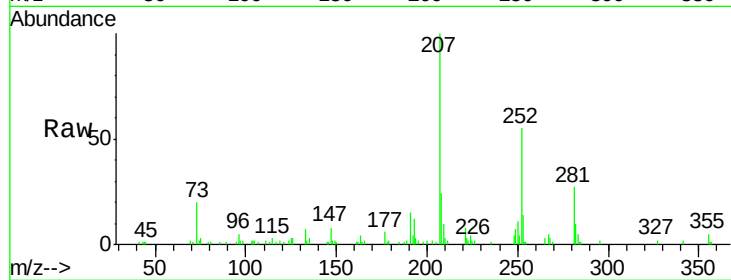
Acq: 24 Jun 2017 00:14

Instrument :

BNA_M

ClientSampleId :

F5B27MEDL



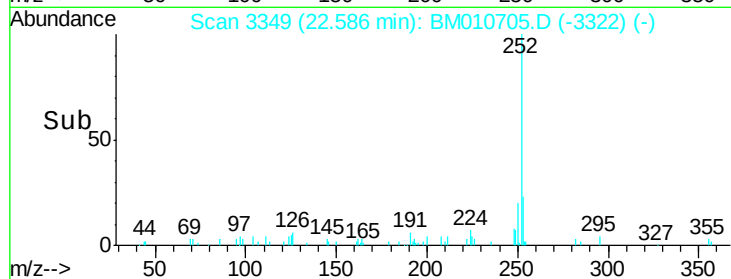
Tgt Ion: 252 Resp: 33963

Ion Ratio Lower Upper

252 100

253 24.7 17.1 25.7

125 4.6 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

