

Data File : BM010625.D
Acq On : 21 Jun 2017 16:27
Operator : SJ/JU
Sample : I3653-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C52

Quant Time: Jun 22 00:45:07 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 22 00:43:46 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	28400	20.00	ng/ul	0.00
18) Naphthalene-d8	10.23	136	123070	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.12	164	84735	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	222657	20.00	ng/ul	0.00
75) Chrysene-d12	21.09	240	340262	20.00	ng/ul	0.00
83) Perylene-d12	23.23	264	358374	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	1323	2.67	ng/uL	0.00
5) Phenol-d5	6.65	99	33579	12.41	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	21426	13.87	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	28068	14.79	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	28240	12.59	ng/ul	0.00
19) Nitrobenzene-d5	8.61	128	13588	15.48	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	14718	14.55	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	31284	14.69	ng/ul	0.00
29) 4-Chloroaniline-d4	10.37	131	16097	7.17	ng/ul	0.00
43) Dimethylphthalate-d6	13.54	166	128584	17.29	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	137049	15.84	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	17341	13.25	ng/ul	0.00
57) Fluorene-d10	15.12	176	107980	16.79	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	19051	13.93	ng/ul	0.00
70) Anthracene-d10	16.87	188	222657	20.71	ng/ul	-0.10
76) Pyrene-d10	19.28	212	260073	16.45	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.09	264	316209	18.26	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.27	128	234581	38.30	ng/ul	98
30) 4-Chloroaniline	10.27	127	30707	13.61	ng/ul#	28
34) 2-Methylnaphthalene	11.90	142	75611	15.36	ng/ul	96
40) 1,1'-Biphenyl	12.94	154	35206	5.31	ng/ul	98
44) Dimethylphthalate	13.58	163	32337	4.43	ng/ul#	97
47) Acenaphthylene	13.83	152	11916	1.45	ng/ul#	89
49) Acenaphthene	14.18	153	156369	28.13	ng/ul	97
53) Dibenzofuran	14.52	168	193596	23.00	ng/ul	95
58) Fluorene	15.17	166	164028	23.27	ng/ul	94
60) 4-Nitroaniline	15.17	138	1929	1.28	ng/ul#	1
69) Phenanthrene	16.92	178	1146454	96.85	ng/ul	98
71) Anthracene	17.00	178	171442	14.06	ng/ul	96
72) Carbazole	17.27	167	41506	3.90	ng/ul	96
74) Fluoranthene	18.94	202	932339	61.12	ng/ul	98
77) Pyrene	19.31	202	657848	33.47	ng/ul#	97
80) Benzo(a)anthracene	21.07	228	294370	14.86	ng/ul	99
82) Chrysene	21.12	228	230716	13.06	ng/ul	99
85) Benzo(b)fluoranthene	22.59	252	262340	11.28	ng/ul#	97
86) Benzo(k)fluoranthene	22.59	252	262340	11.90	ng/ul#	99
88) Benzo(a)pyrene	23.13	252	164345	7.67	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.33	276	80525	3.63	ng/ul#	90
90) Dibenzo(a,h)anthracene	25.34	278	23155	1.25	ng/ul	94
91) Benzo(g,h,i)perylene	25.98	276	57222	3.24	ng/ul#	95

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062117\
Quantitation Report (Not Reviewed)

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

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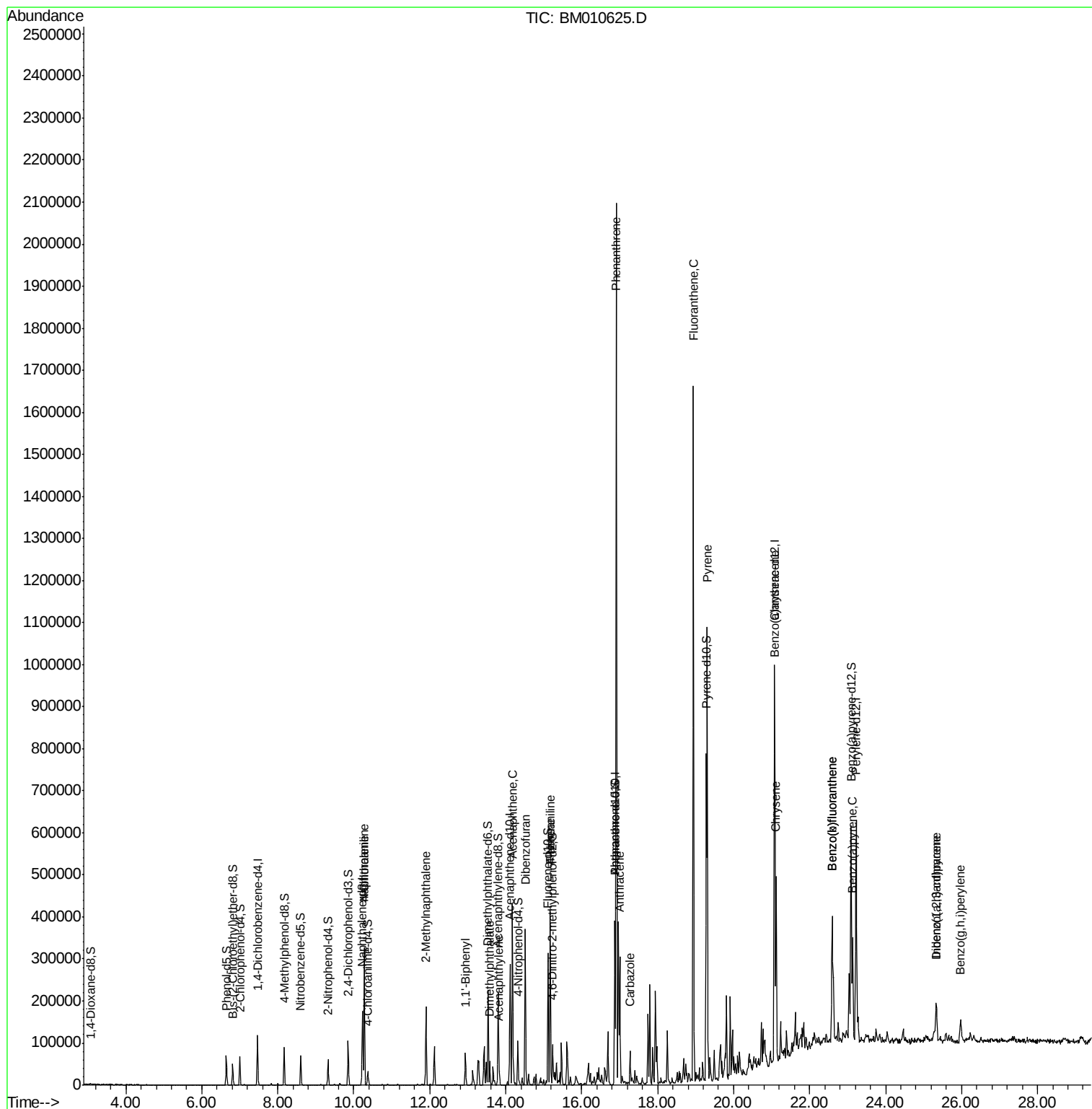
Quant Time: Jun 22 00:45:07 2017

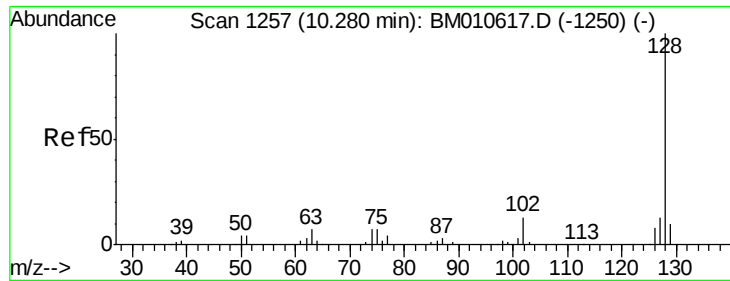
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M

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#28

Naphthalene

Concen: 38.30 ng/ul

RT: 10.27 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BM010625.D

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BNA_M

ClientSampleId :

F5C52

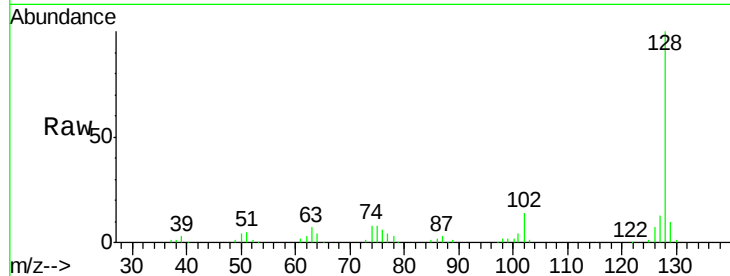
Tgt Ion:128 Resp: 234581

Ion Ratio Lower Upper

128 100

129 10.1 8.8 13.2

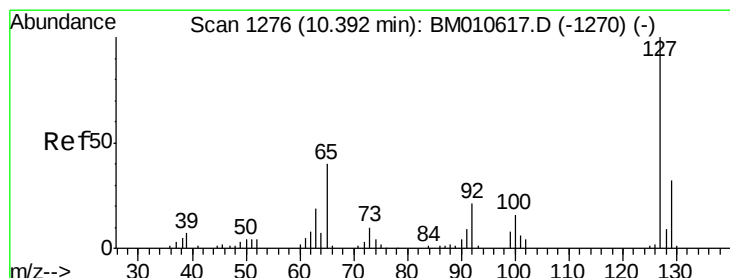
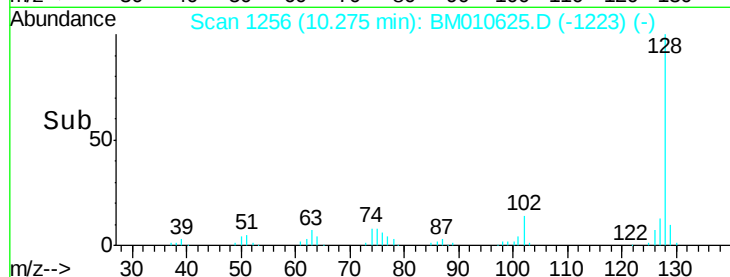
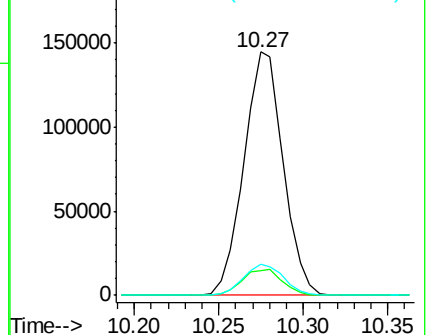
127 13.0 10.6 16.0



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: 13.61 ng/ul

RT: 10.27 min Scan# 1256

Delta R.T. -0.12 min

Lab File: BM010625.D

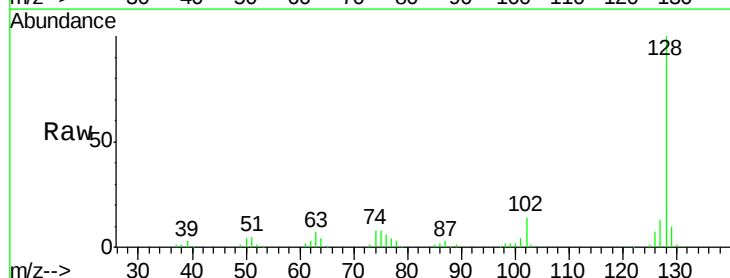
Acq: 21 Jun 2017 16:27

Tgt Ion:127 Resp: 30707

Ion Ratio Lower Upper

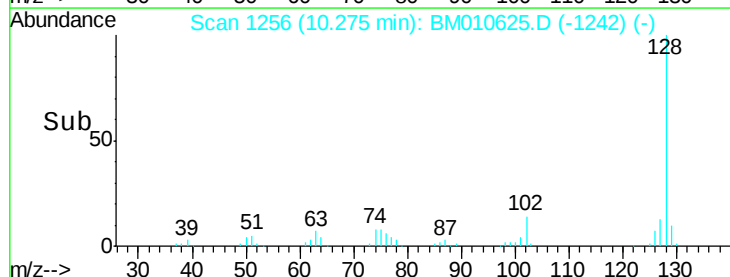
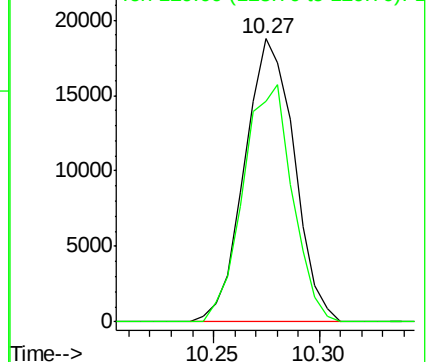
127 100

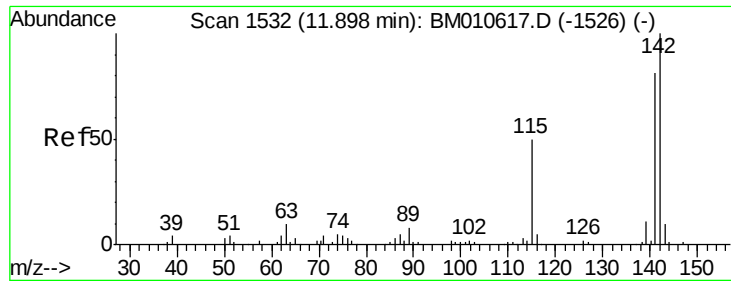
129 77.8 28.4 42.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

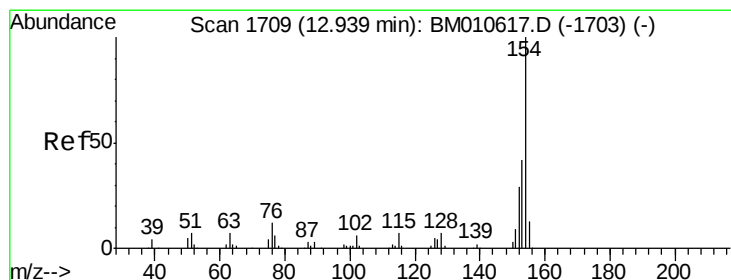
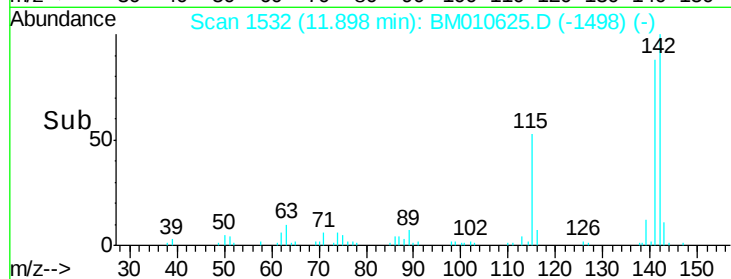
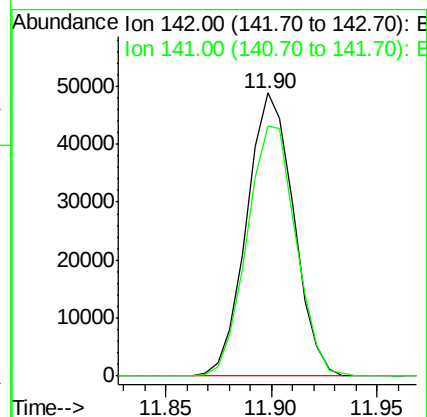
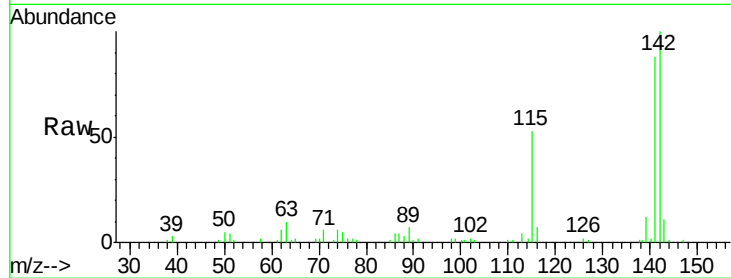




#34
 2-Methylnaphthalene
 Concen: 15.36 ng/ul
 RT: 11.90 min Scan# 1532
 Delta R.T. 0.00 min
 Lab File: BM010625.D
 Acq: 21 Jun 2017 16:27

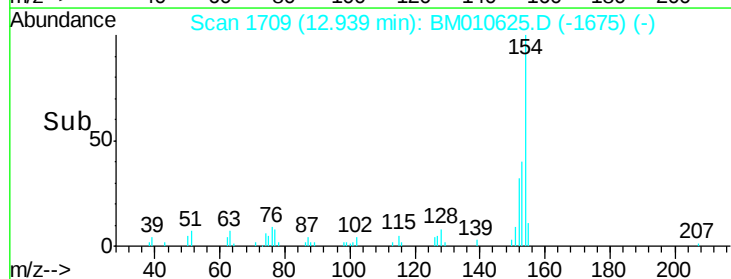
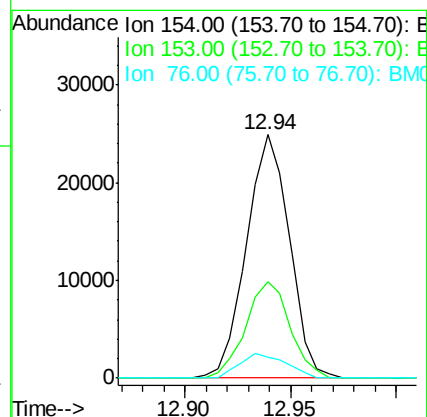
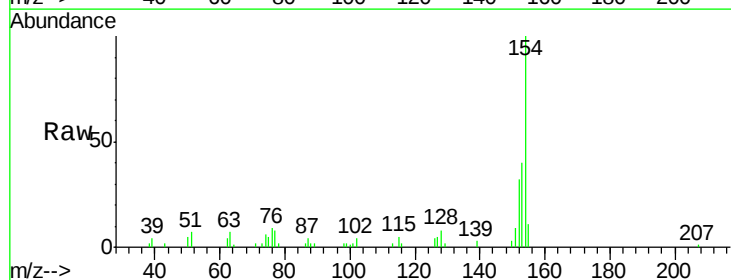
Instrument :
 BNA_M
 ClientSampleId :
 F5C52

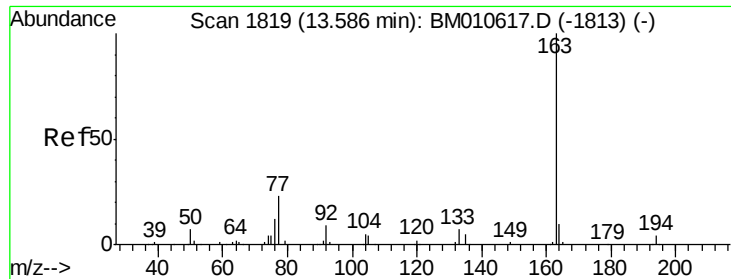
Tgt Ion:142 Resp: 75611
 Ion Ratio Lower Upper
 142 100
 141 88.4 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 5.31 ng/ul
 RT: 12.94 min Scan# 1709
 Delta R.T. 0.00 min
 Lab File: BM010625.D
 Acq: 21 Jun 2017 16:27

Tgt Ion:154 Resp: 35206
 Ion Ratio Lower Upper
 154 100
 153 39.6 32.6 48.8
 76 8.6 8.5 12.7





#44

Dimethylphthalate

Concen: 4.43 ng/ul

RT: 13.58 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BM010625.D

Acq: 21 Jun 2017 16:27

Instrument :

BNA_M

ClientSampleId :

F5C52

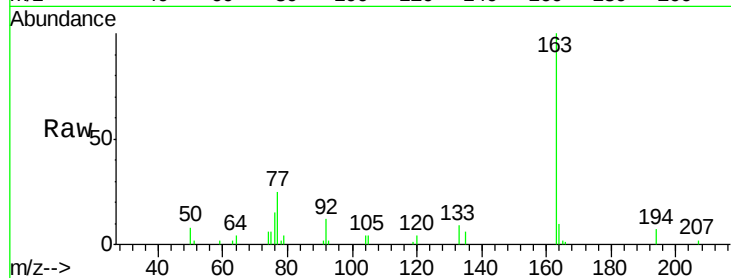
Tgt Ion:163 Resp: 32337

Ion Ratio Lower Upper

163 100

194 6.6 3.5 5.3#

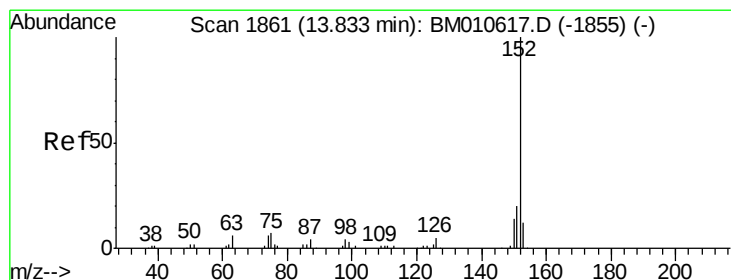
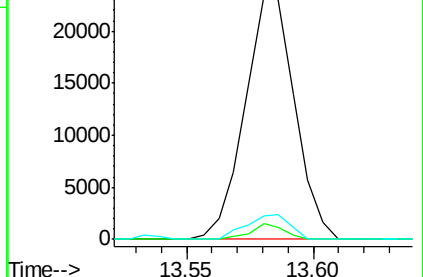
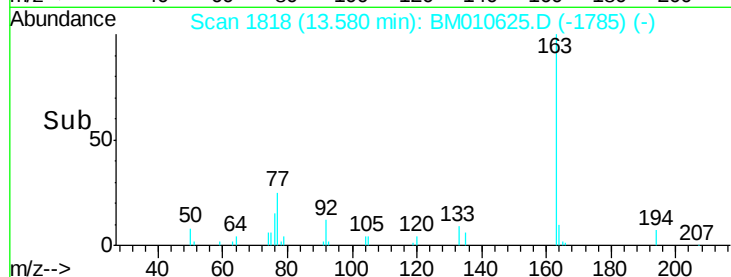
164 9.6 8.2 12.4



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



#47

Acenaphthylene

Concen: 1.45 ng/ul

RT: 13.83 min Scan# 1860

Delta R.T. -0.01 min

Lab File: BM010625.D

Acq: 21 Jun 2017 16:27

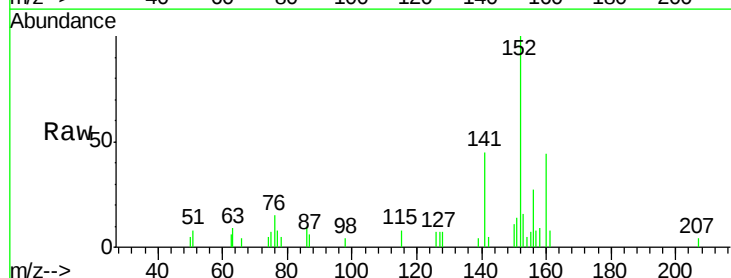
Tgt Ion:152 Resp: 11916

Ion Ratio Lower Upper

152 100

151 14.1 16.3 24.5#

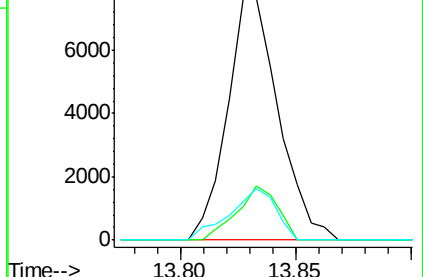
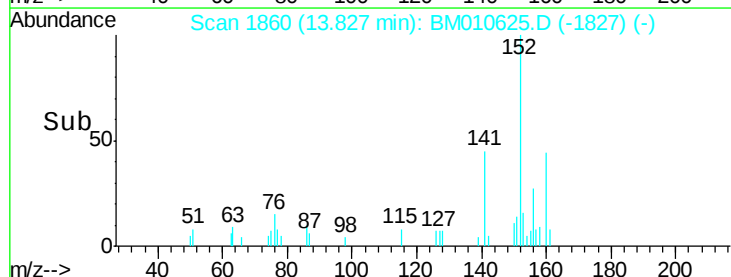
153 15.9 10.2 15.4#

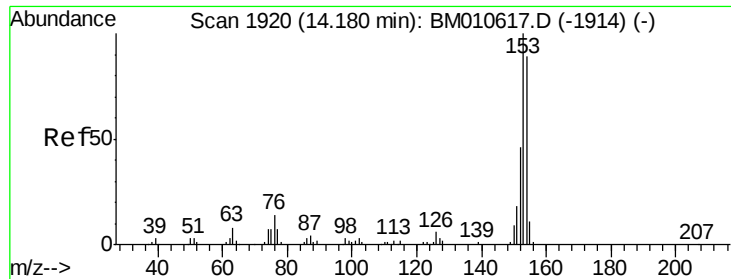


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 28.13 ng/ul

RT: 14.18 min Scan# 1920

Delta R.T. 0.00 min

Lab File: BM010625.D

Acq: 21 Jun 2017 16:27

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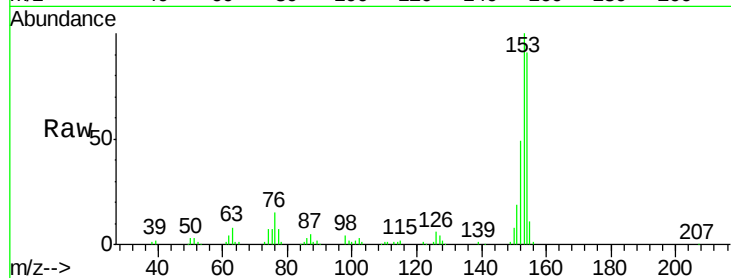
Tgt Ion:153 Resp: 156369

Ion Ratio Lower Upper

153 100

152 48.8 37.6 56.4

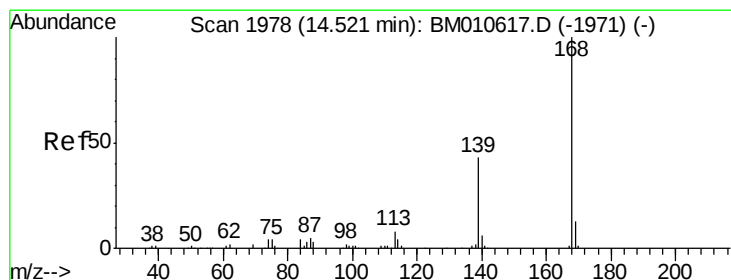
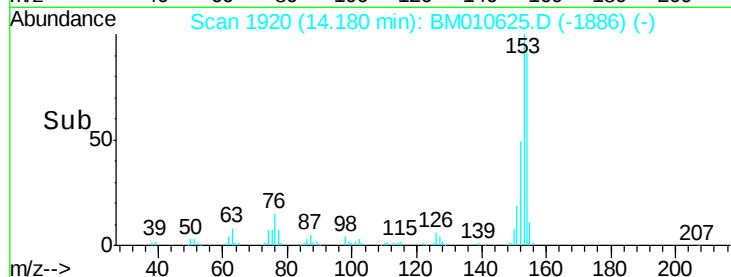
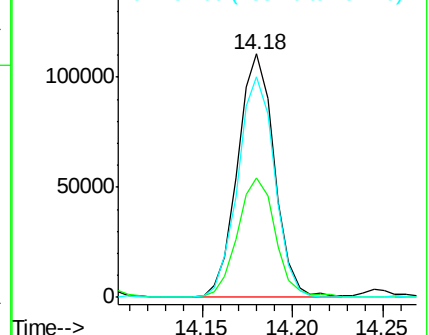
154 90.7 70.4 105.6



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: 23.00 ng/ul

RT: 14.52 min Scan# 1977

Delta R.T. -0.01 min

Lab File: BM010625.D

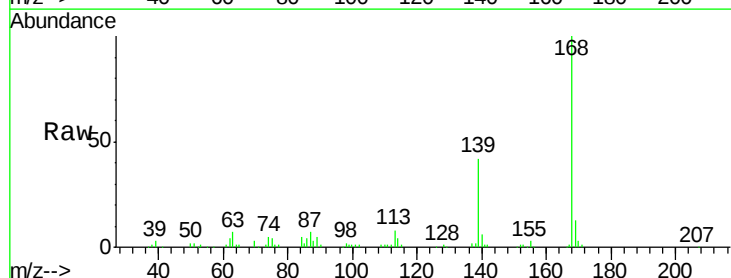
Acq: 21 Jun 2017 16:27

Tgt Ion:168 Resp: 193596

Ion Ratio Lower Upper

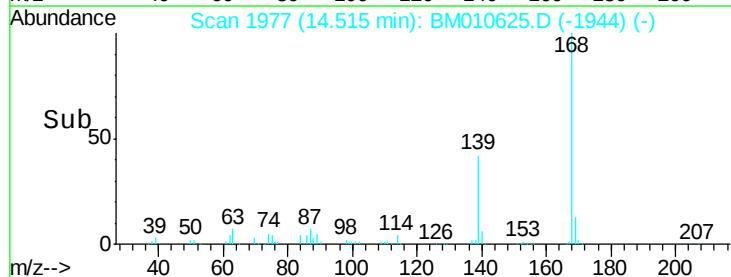
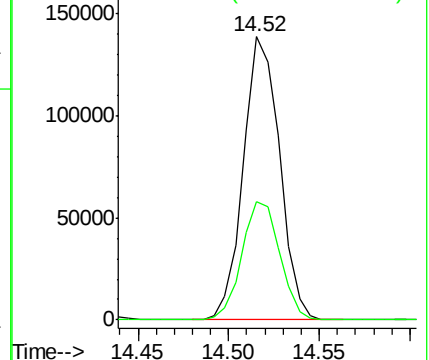
168 100

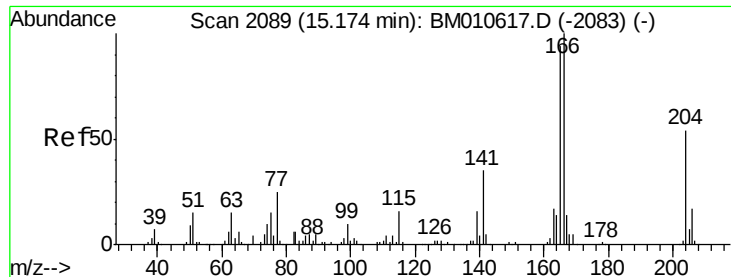
139 41.8 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 23.27 ng/ul

RT: 15.17 min Scan# 2089

Delta R.T. 0.00 min

Lab File: BM010625.D

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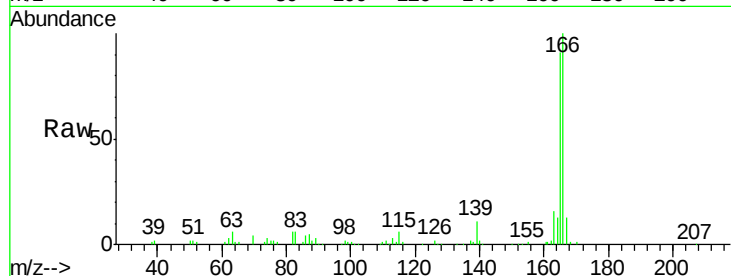
Tgt Ion:166 Resp: 164028

Ion Ratio Lower Upper

166 100

165 90.5 77.9 116.9

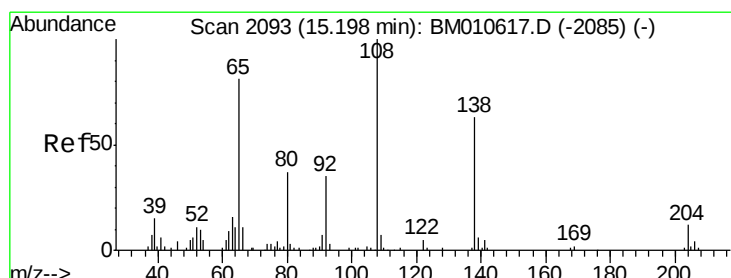
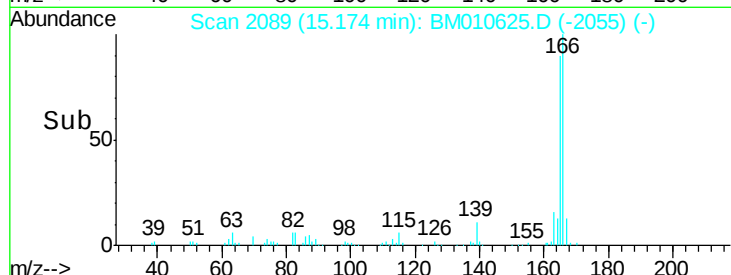
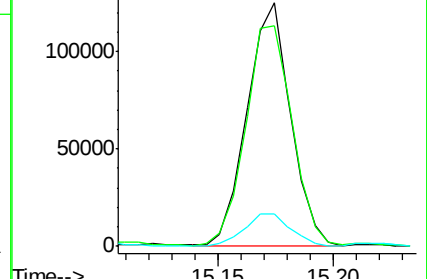
167 13.1 10.6 16.0



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



#60

4-Nitroaniline

Concen: 1.28 ng/ul

RT: 15.17 min Scan# 2089

Delta R.T. -0.02 min

Lab File: BM010625.D

Acq: 21 Jun 2017 16:27

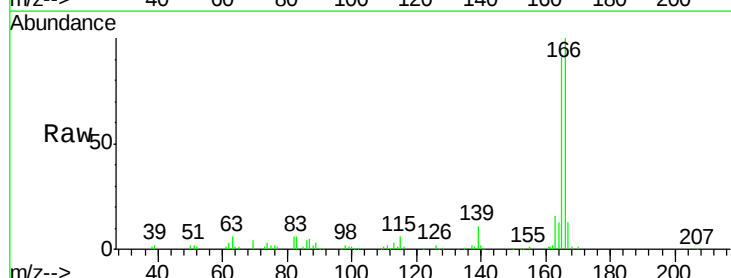
Tgt Ion:138 Resp: 1929

Ion Ratio Lower Upper

138 100

92 0.0 52.7 79.1#

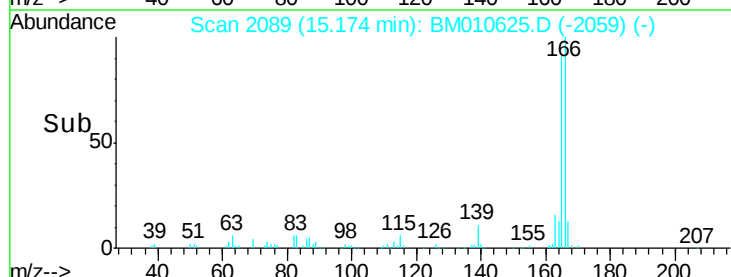
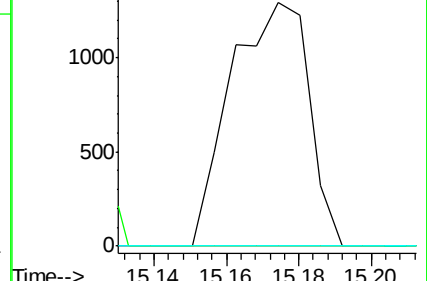
108 0.0 140.4 210.6#

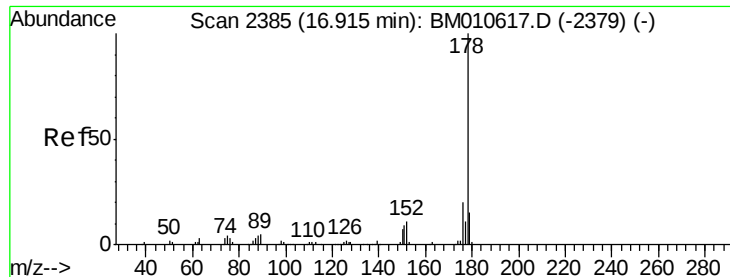


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E





#69

Phenanthrene

Concen: 96.85 ng/ul

RT: 16.92 min Scan# 2385

Delta R.T. 0.00 min

Lab File: BM010625.D

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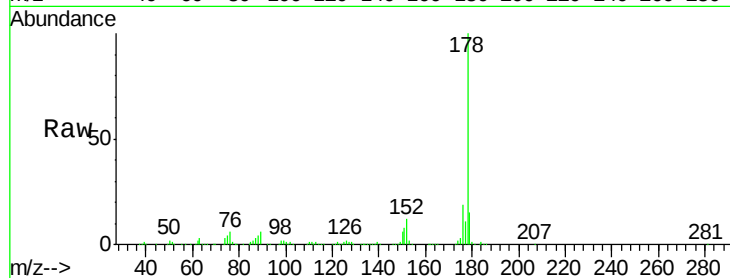
Tgt Ion:178 Resp: 1146454

Ion Ratio Lower Upper

178 100

179 14.8 12.6 19.0

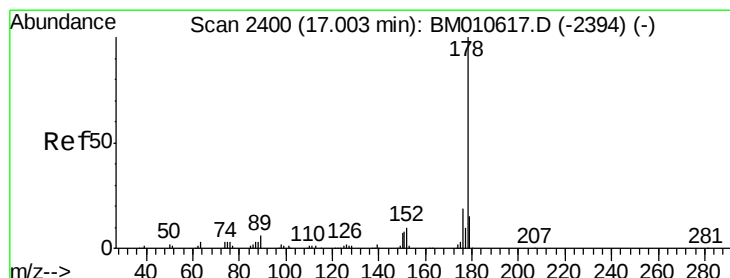
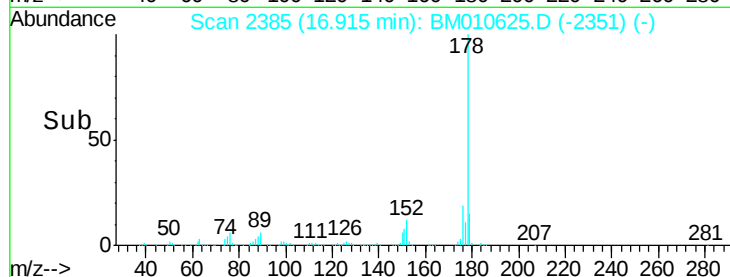
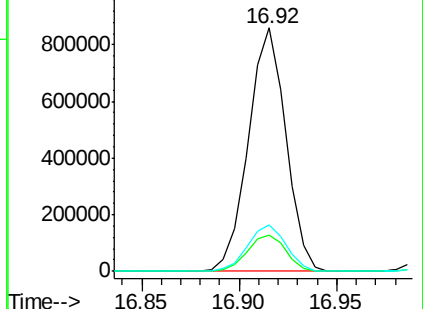
176 19.1 14.9 22.3



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: 14.06 ng/ul

RT: 17.00 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BM010625.D

Acq: 21 Jun 2017 16:27

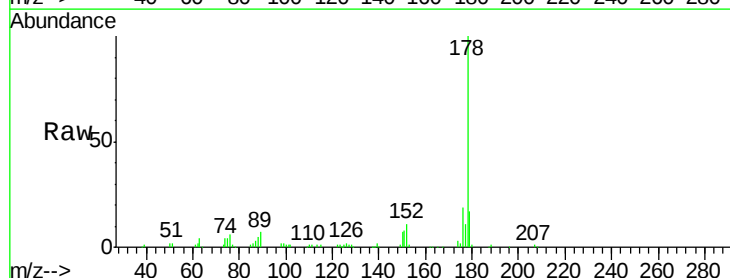
Tgt Ion:178 Resp: 171442

Ion Ratio Lower Upper

178 100

179 17.0 11.7 17.5

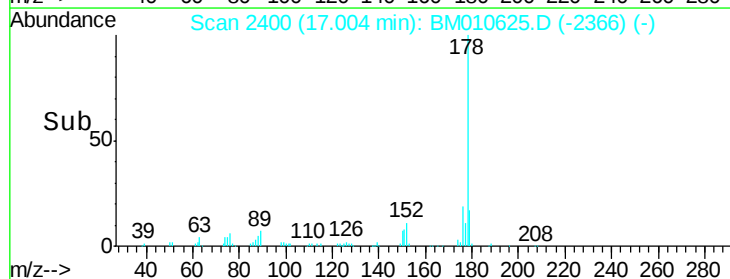
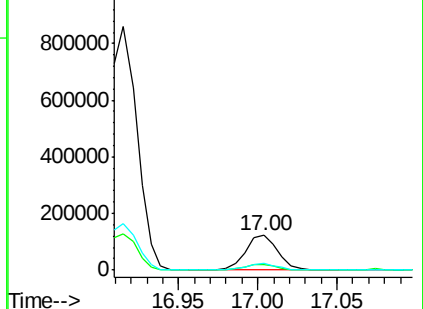
176 19.0 14.6 21.8

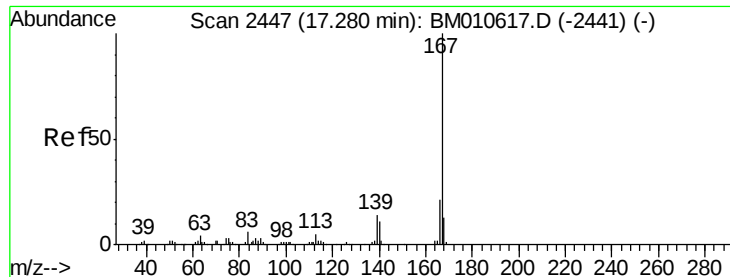


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 3.90 ng/ul

RT: 17.27 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BM010625.D

Acq: 21 Jun 2017 16:27

Instrument :

BNA_M

ClientSampleId :

F5C52

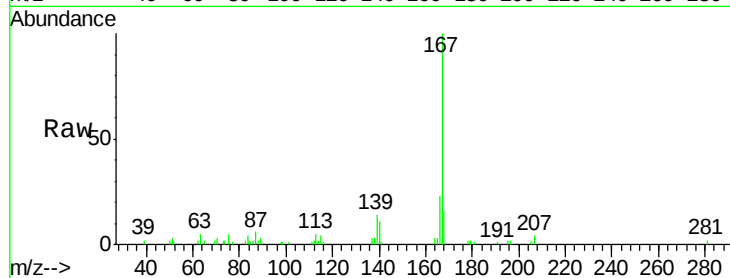
Tgt Ion:167 Resp: 41506

Ion Ratio Lower Upper

167 100

166 23.4 17.1 25.7

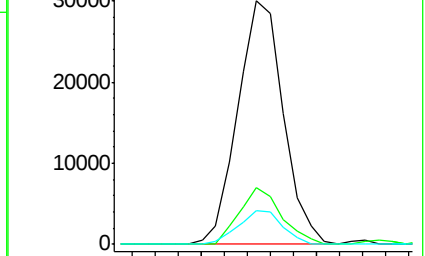
139 13.6 10.0 15.0



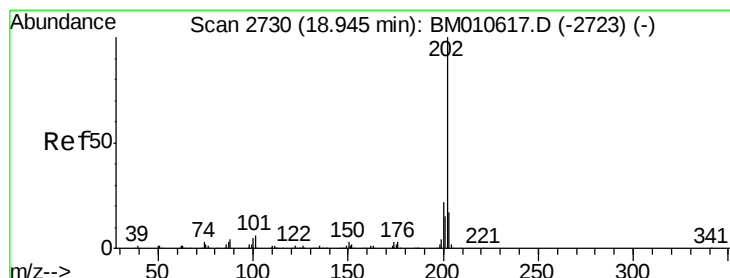
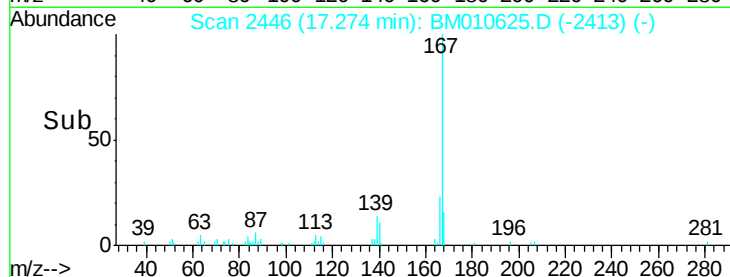
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->



#74

Fluoranthene

Concen: 61.12 ng/ul

RT: 18.94 min Scan# 2730

Delta R.T. 0.00 min

Lab File: BM010625.D

Acq: 21 Jun 2017 16:27

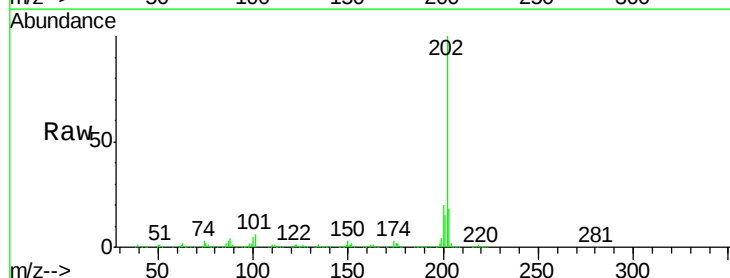
Tgt Ion:202 Resp: 932339

Ion Ratio Lower Upper

202 100

101 6.3 4.6 7.0

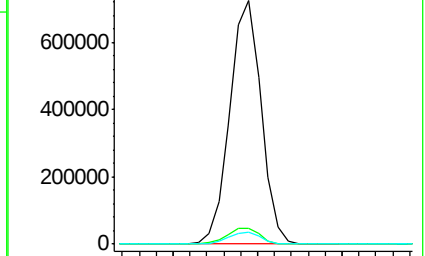
100 4.9 3.4 5.2



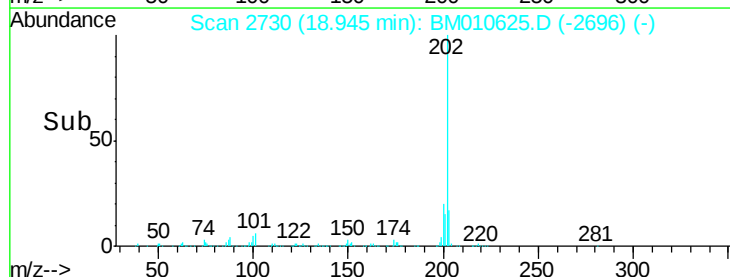
Abundance Ion 202.00 (201.70 to 202.70): E

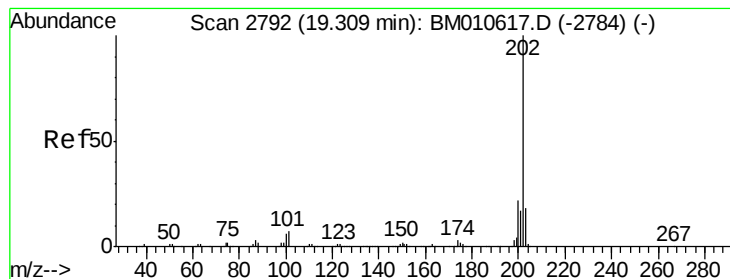
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->





#77

Pyrene

Concen: 33.47 ng/ul

RT: 19.31 min Scan# 2792

Delta R.T. 0.00 min

Lab File: BM010625.D

Acq: 21 Jun 2017 16:27

Instrument :

BNA_M

ClientSampleId :

F5C52

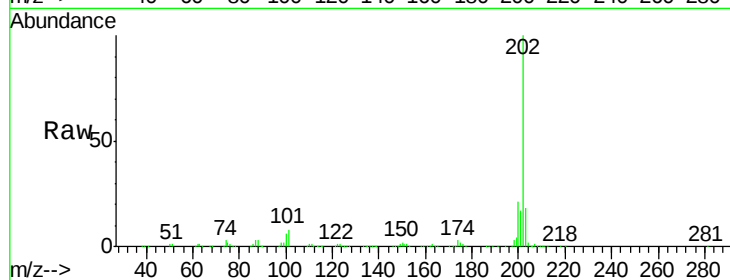
Tgt Ion:202 Resp: 657848

Ion Ratio Lower Upper

202 100

101 8.4 5.1 7.7#

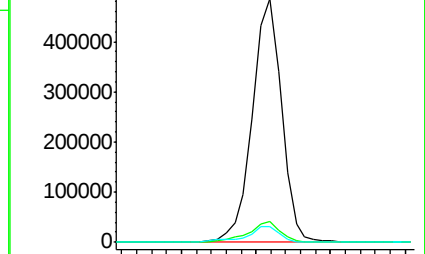
100 6.3 4.9 7.3



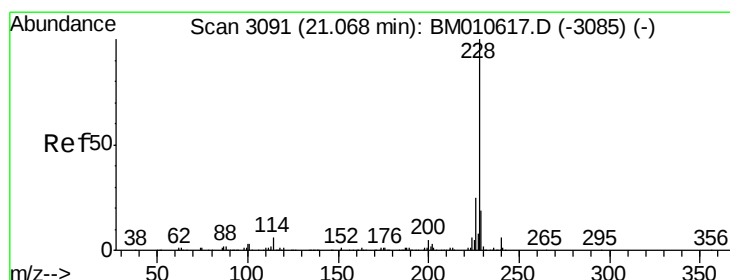
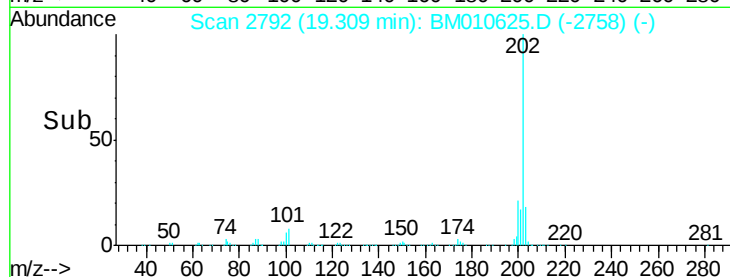
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#80

Benzo(a)anthracene

Concen: 14.86 ng/ul

RT: 21.07 min Scan# 3091

Delta R.T. 0.00 min

Lab File: BM010625.D

Acq: 21 Jun 2017 16:27

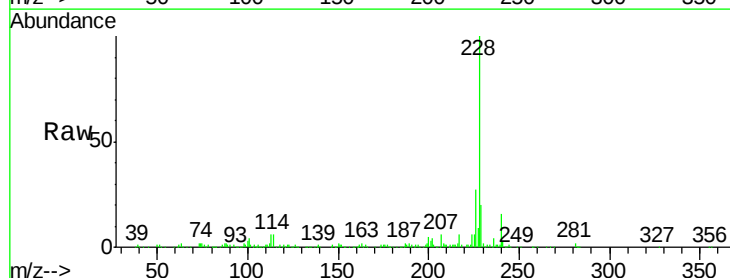
Tgt Ion:228 Resp: 294370

Ion Ratio Lower Upper

228 100

229 20.2 15.4 23.0

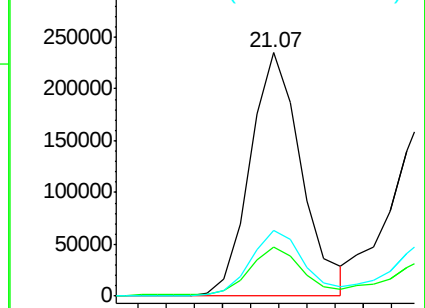
226 27.0 21.4 32.0



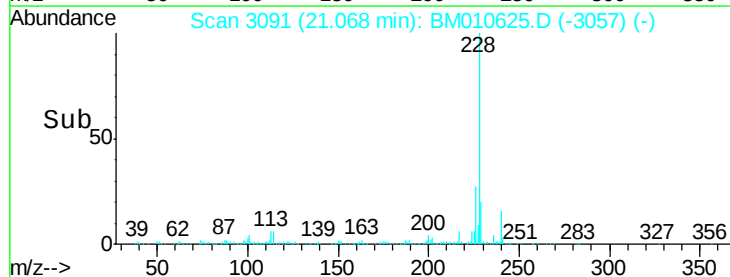
Abundance Ion 228.00 (227.70 to 228.70): E

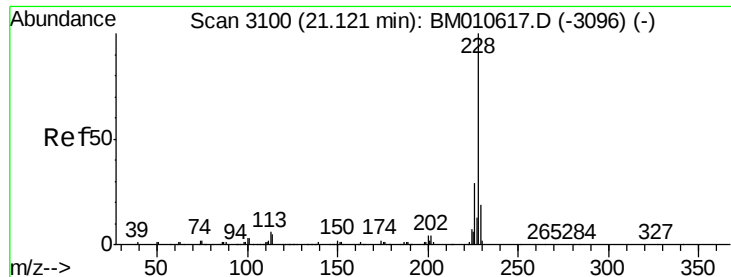
Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



Time-->

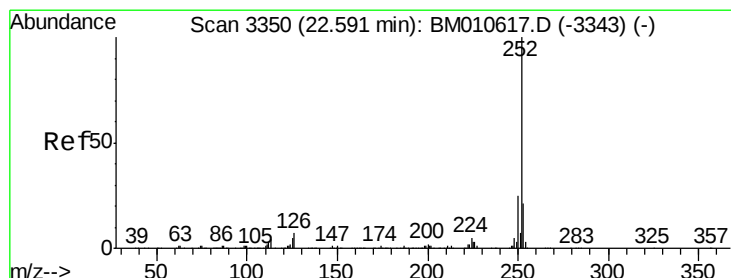
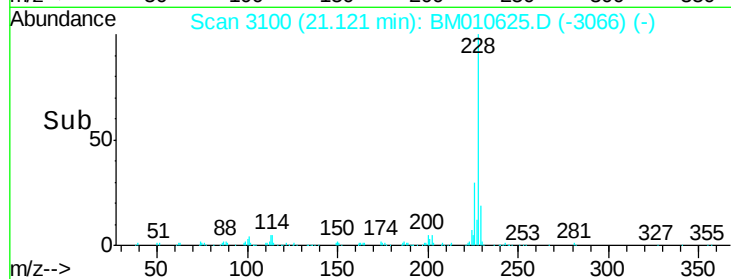
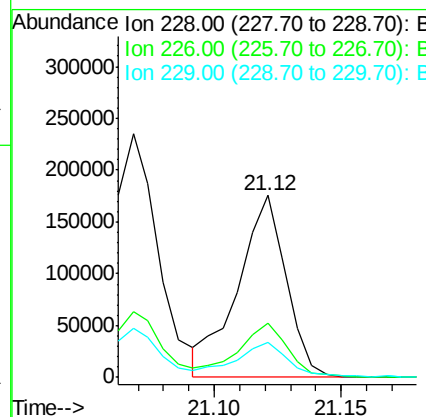
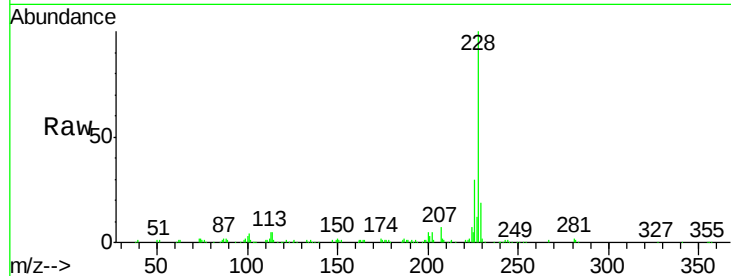




#82
Chrysene
Concen: 13.06 ng/ul
RT: 21.12 min Scan# 3100
Delta R.T. 0.00 min
Lab File: BM010625.D
Acq: 21 Jun 2017 16:27

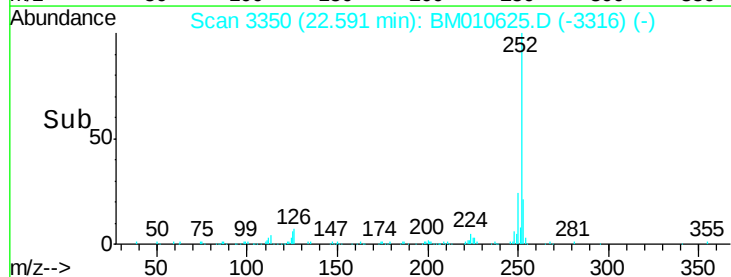
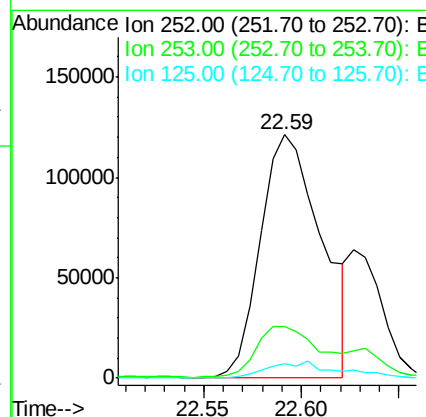
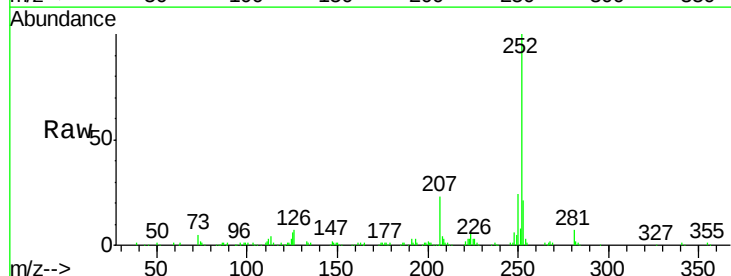
Instrument :
BNA_M
ClientSampleId :
F5C52

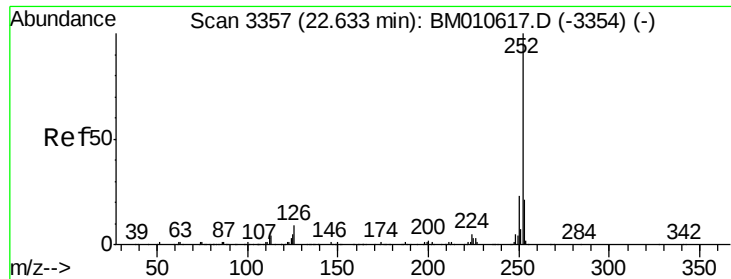
Tgt Ion: 228 Resp: 230716
Ion Ratio Lower Upper
228 100
226 30.1 23.4 35.2
229 19.2 15.5 23.3



#85
Benzo(b)fluoranthene
Concen: 11.28 ng/ul
RT: 22.59 min Scan# 3350
Delta R.T. 0.00 min
Lab File: BM010625.D
Acq: 21 Jun 2017 16:27

Tgt Ion: 252 Resp: 262340
Ion Ratio Lower Upper
252 100
253 21.4 17.9 26.9
125 6.0 3.6 5.4#

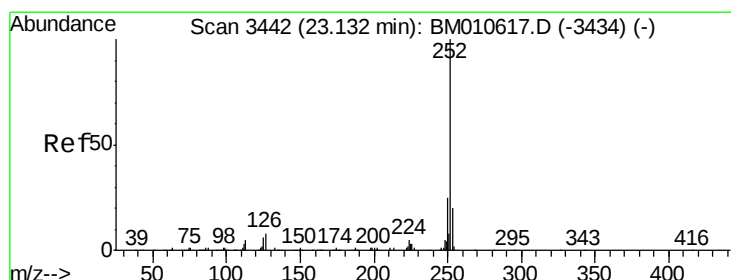
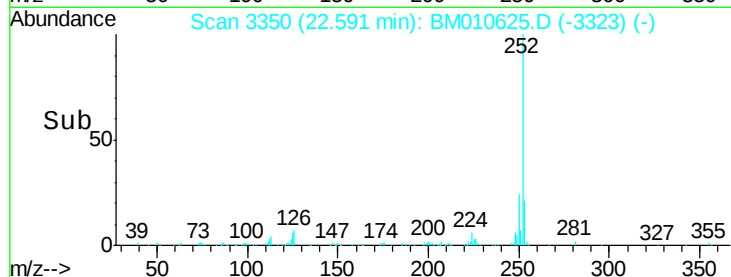
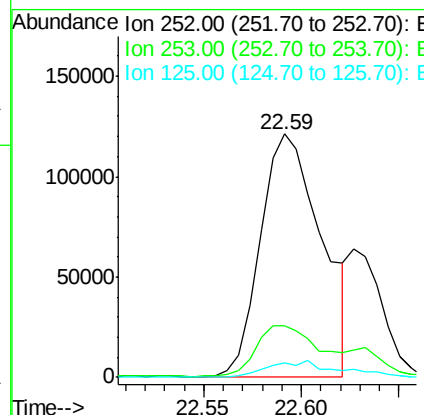
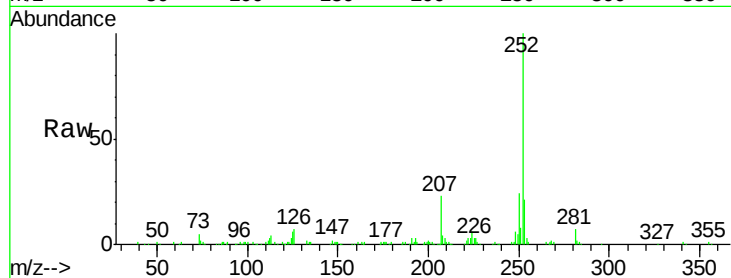




#86
Benzo(k)fluoranthene
Concen: 11.90 ng/u1
RT: 22.59 min Scan# 3350
Delta R.T. -0.04 min
Lab File: BM010625.D
Acq: 21 Jun 2017 16:27

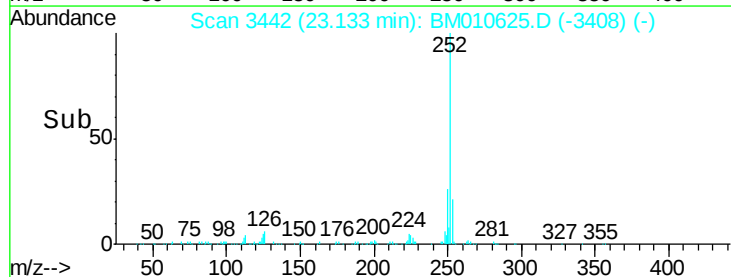
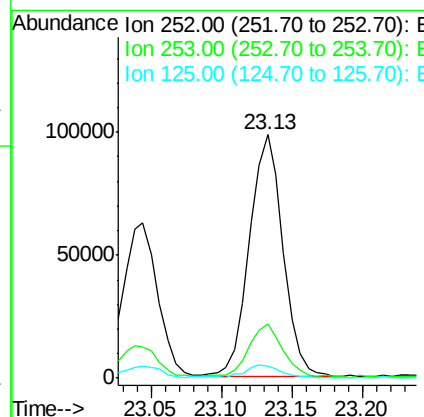
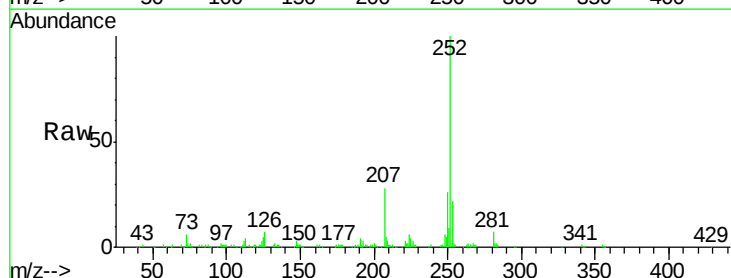
Instrument :
BNA_M
ClientSampleId :
F5C52

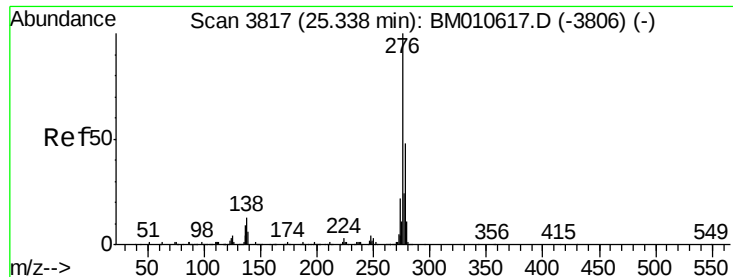
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	6.0	3.4	5.2#



#88
Benzo(a)pyrene
Concen: 7.67 ng/u1
RT: 23.13 min Scan# 3442
Delta R.T. 0.00 min
Lab File: BM010625.D
Acq: 21 Jun 2017 16:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.2
125	5.0	4.0	6.0





#89

Indeno(1,2,3-cd)pyrene

Concen: 3.63 ng/ul

RT: 25.33 min Scan# 3816

Delta R.T. -0.01 min

Lab File: BM010625.D

Acq: 21 Jun 2017 16:27

Instrument :

BNA_M

ClientSampleId :

F5C52

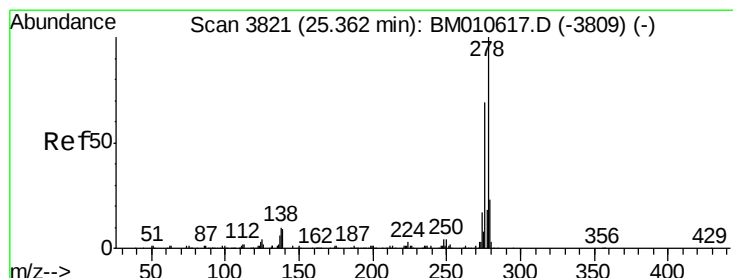
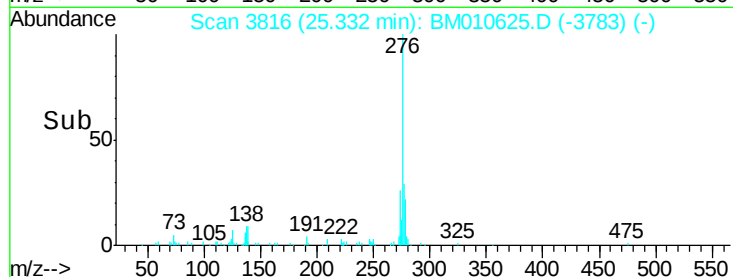
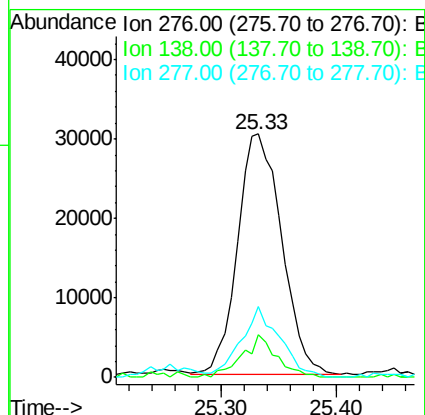
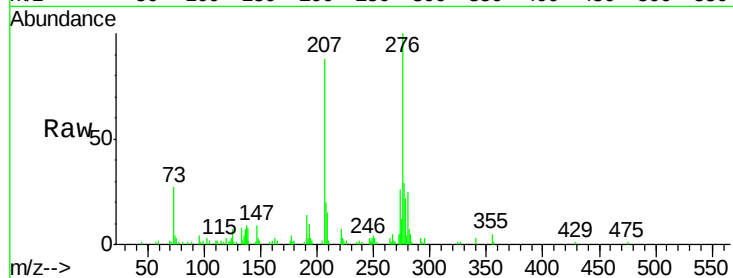
Tgt Ion:276 Resp: 80525

Ion Ratio Lower Upper

276 100

138 17.4 9.3 13.9#

277 29.0 19.9 29.9



#90

Dibenzo(a,h)anthracene

Concen: 1.25 ng/ul

RT: 25.34 min Scan# 3818

Delta R.T. -0.02 min

Lab File: BM010625.D

Acq: 21 Jun 2017 16:27

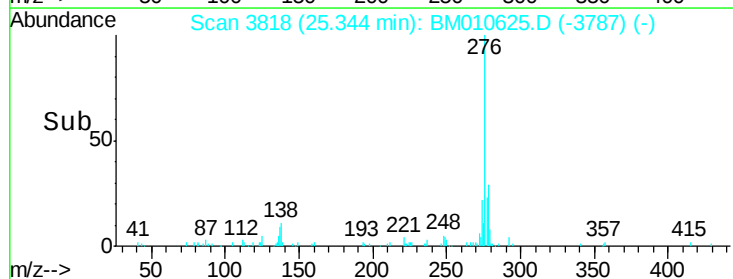
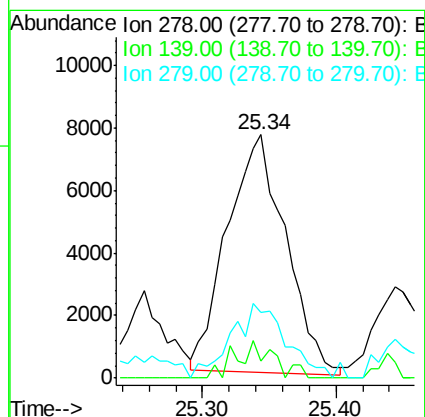
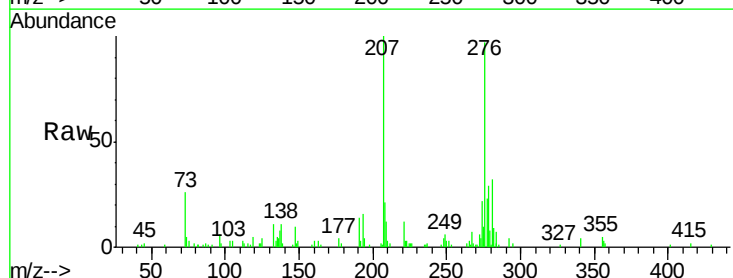
Tgt Ion:278 Resp: 23155

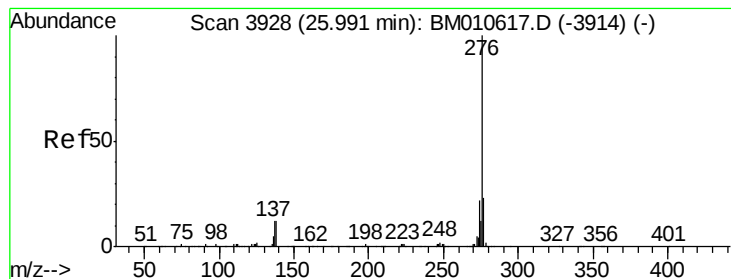
Ion Ratio Lower Upper

278 100

139 6.8 5.8 8.8

279 26.8 18.6 27.8





#91

Benzo(g,h,i)perylene

Concen: 3.24 ng/ul

RT: 25.98 min Scan# 3926

Delta R.T. -0.01 min

Lab File: BM010625.D

Acq: 21 Jun 2017 16:27

Instrument :

BNA_M

ClientSampleId :

F5C52

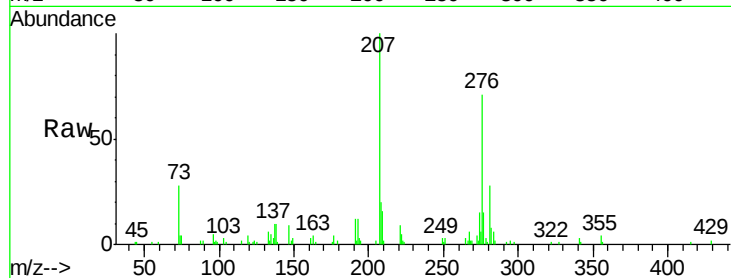
Tgt Ion: 276 Resp: 57222

Ion Ratio Lower Upper

276 100

138 13.7 8.5 12.7#

277 21.3 18.6 28.0



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

