

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
 Data File : BM005618.D
 Acq On : 23 May 2016 20:05
 Operator : UM/SJ
 Sample : H2890-09DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9WT5DL

Quant Time: May 24 06:56:08 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 24 06:55:29 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	107011	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	466381	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	253199	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.18	188	530977	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	560545	20.00	ng/ul	0.00
83) Perylene-d12	23.64	264	565145	20.00	ng/ul	0.00

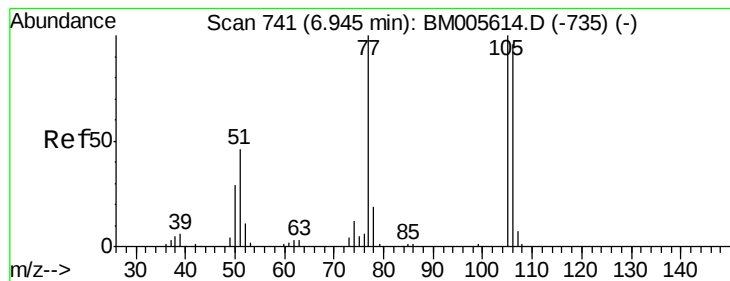
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	1259	0.52	ng/uL	0.00
5) Phenol-d5	6.97	99	25321	2.89	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	18971	3.73	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	22217	3.04	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	21281	2.96	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	11628	3.26	ng/ul	0.00
22) 2-Nitrophenol-d4	9.67	143	12028	3.06	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	19397	2.62	ng/ul	0.00
29) 4-Chloroaniline-d4	10.70	131	6275	0.85	ng/ul	-0.03
43) Dimethylphthalate-d6	13.84	166	67047	3.24	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	84015	3.25	ng/ul	0.00
51) 4-Nitrophenol-d4	14.66	143	4475	1.14	ng/ul	0.00
57) Fluorene-d10	15.43	176	61427	3.42	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	5341	1.75	ng/ul	0.00
70) Anthracene-d10	17.28	188	86224	3.41	ng/ul	0.00
76) Pyrene-d10	19.57	212	90084	3.55	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.49	264	80818	3.06	ng/ul	0.00

Target Compounds

						Qvalue
4) Benzaldehyde	6.95	77	10680	1.88	ng/ul#	12
14) Acetophenone	8.60	105	38413	3.55	ng/ul#	47
17) Hexachloroethane	8.90	117	5554	1.89	ng/ul#	5
28) Naphthalene	10.65	128	681194	29.07	ng/ul	99
30) 4-Chloroaniline	10.65	127	89058	11.74	ng/ul#	13
34) 2-Methylnaphthalene	12.26	142	684631	39.94	ng/ul	98
40) 1,1'-Biphenyl	13.27	154	72752	3.42	ng/ul	99
44) Dimethylphthalate	13.89	163	26815	1.31	ng/ul	99
53) Dibenzofuran	14.84	168	207414	8.39	ng/ul	100
64) N-Nitrosodiphenylamine	15.70	169	23635	1.47	ng/ul#	43
69) Phenanthrene	17.22	178	471901	15.90	ng/ul	98
71) Anthracene	17.22	178	471901	15.60	ng/ul	99
74) Fluoranthene	19.24	202	100104	3.00	ng/ul#	95
77) Pyrene	19.60	202	109393	3.39	ng/ul#	95
80) Benzo(a)anthracene	21.34	228	66999	2.03	ng/ul#	83
82) Chrysene	21.40	228	96275	3.07	ng/ul#	88
85) Benzo(b)fluoranthene	22.95	252	84544	2.54	ng/ul#	82
86) Benzo(k)fluoranthene	22.95	252	84544	2.68	ng/ul#	83
88) Benzo(a)pyrene	23.54	252	33923	1.05	ng/ul#	77

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



#4

Benzaldehyde

Concen: 1.88 ng/ul

RT: 6.95 min Scan# 741

Delta R.T. -0.00 min

Lab File: BM005618.D

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Instrument :

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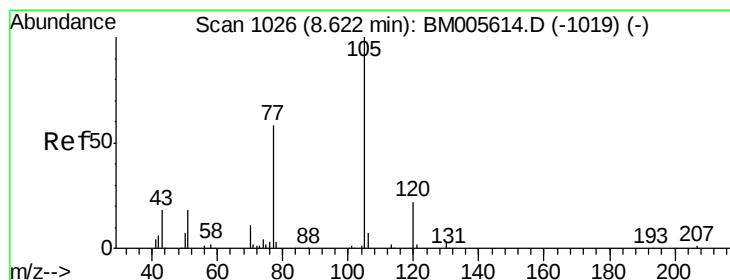
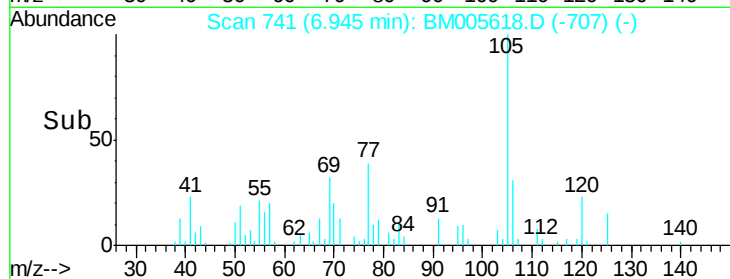
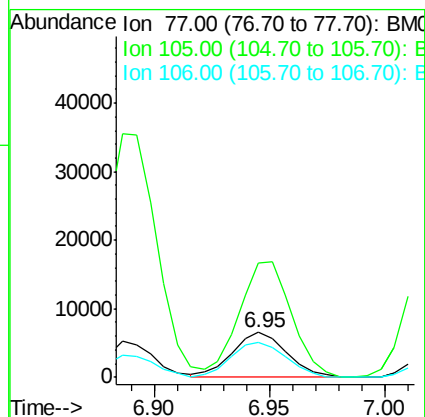
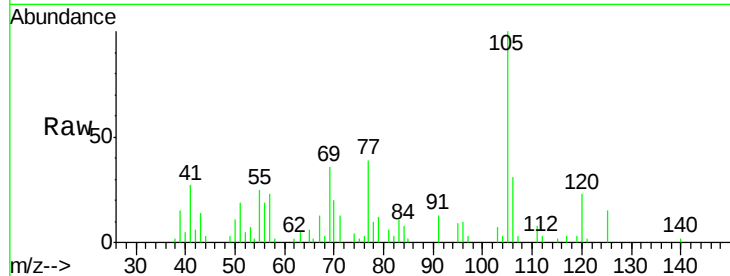
Tgt Ion: 77 Resp: 10680

Ion Ratio Lower Upper

77 100

105 255.3 79.3 118.9#

106 79.6 75.2 112.8



#14

Acetophenone

Concen: 3.55 ng/ul

RT: 8.60 min Scan# 1023

Delta R.T. -0.02 min

Lab File: BM005618.D

Acq: 23 May 2016 20:05

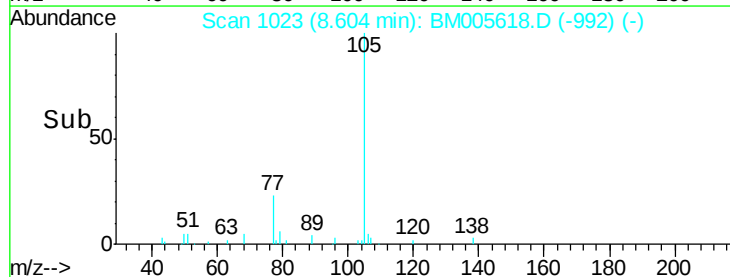
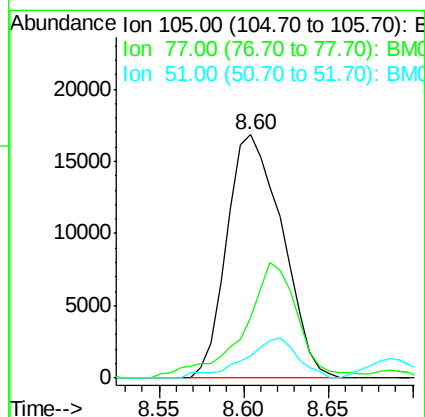
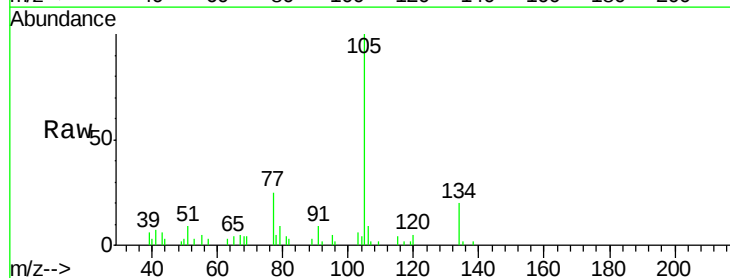
Tgt Ion: 105 Resp: 38413

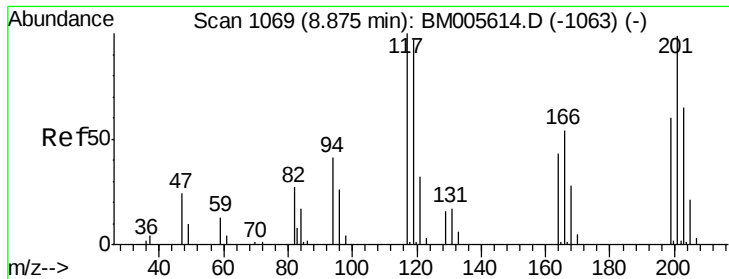
Ion Ratio Lower Upper

105 100

77 24.8 60.8 91.2#

51 9.1 22.2 33.2#





#17

Hexachloroethane

Concen: 1.89 ng/ul

RT: 8.90 min Scan# 1074

Delta R.T. 0.03 min

Lab File: BM005618.D

Acq: 23 May 2016 20:05

Instrument :

BNA_M

ClientSampleId :

D9WT5DL

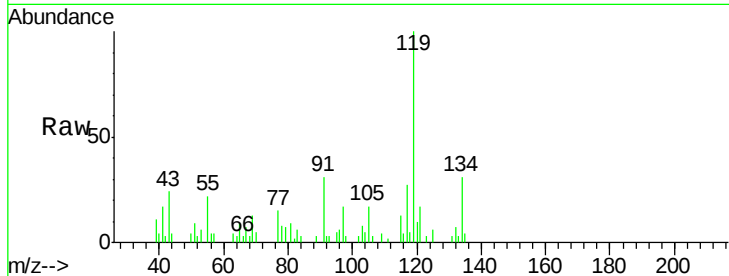
Tgt Ion:117 Resp: 5554

Ion Ratio Lower Upper

117 100

201 0.0 84.8 127.2#

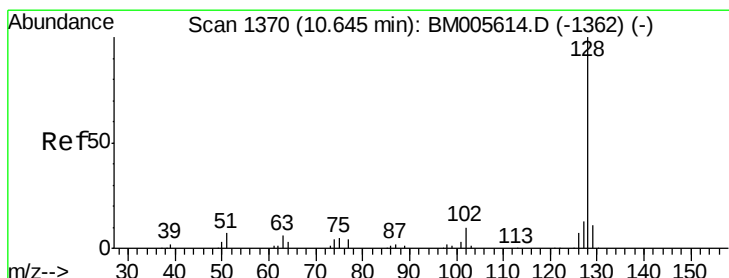
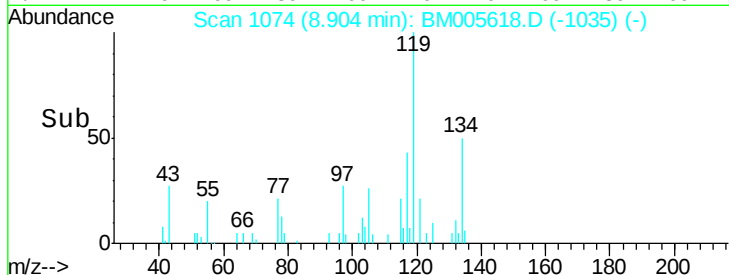
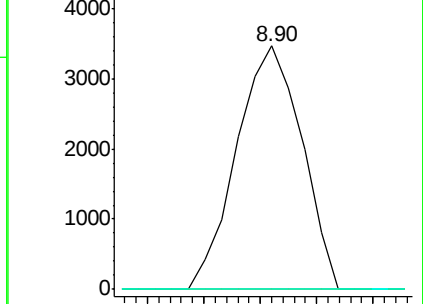
199 0.0 50.5 75.7#



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: 29.07 ng/ul

RT: 10.65 min Scan# 1370

Delta R.T. -0.00 min

Lab File: BM005618.D

Acq: 23 May 2016 20:05

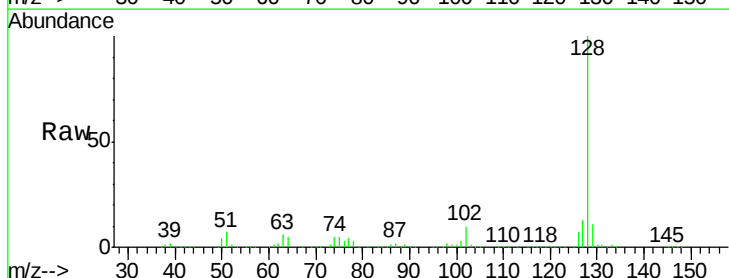
Tgt Ion:128 Resp: 681194

Ion Ratio Lower Upper

128 100

129 11.2 8.6 13.0

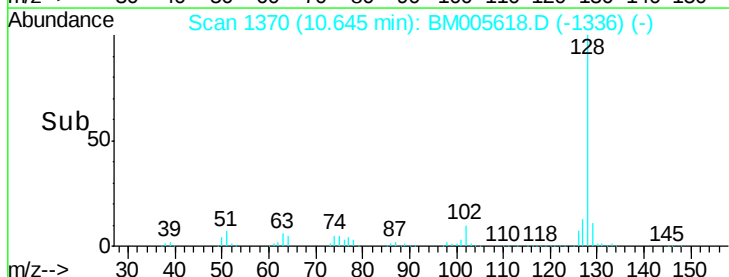
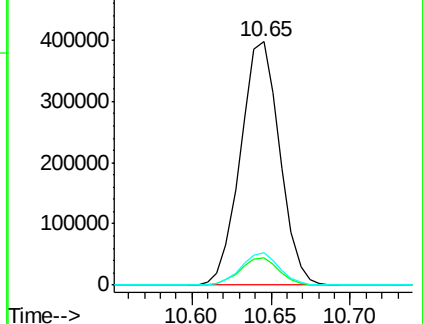
127 13.5 10.6 15.8

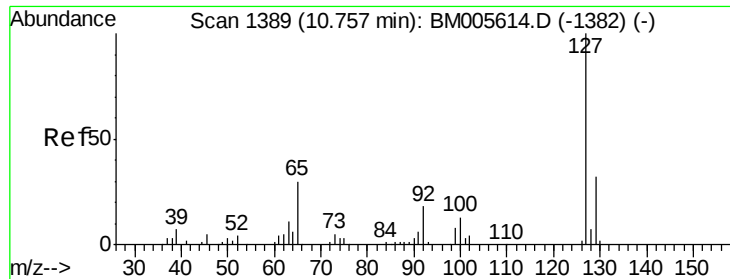


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

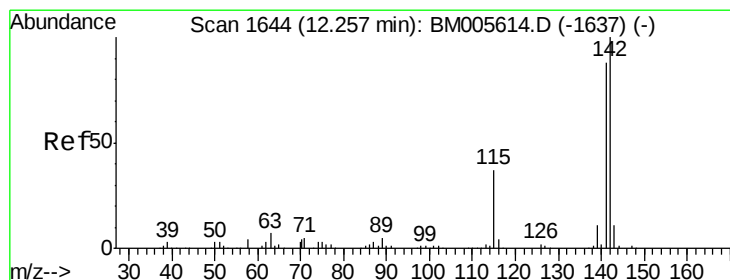
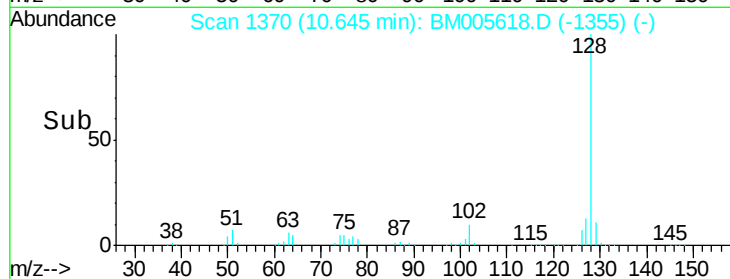
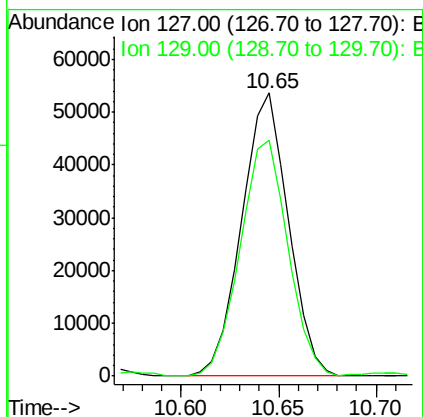
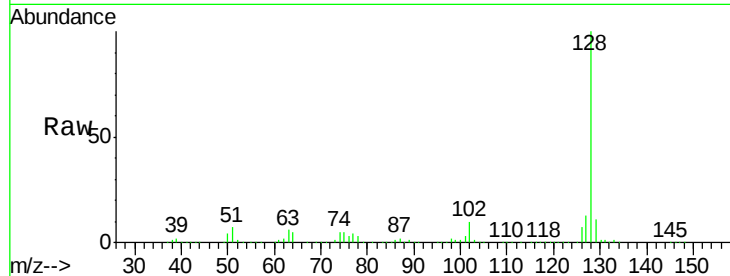




#30
 4-Chloroaniline
 Concen: 11.74 ng/ul
 RT: 10.65 min Scan# 1370
 Delta R.T. -0.11 min
 Lab File: BM005618.D
 Acq: 23 May 2016 20:05

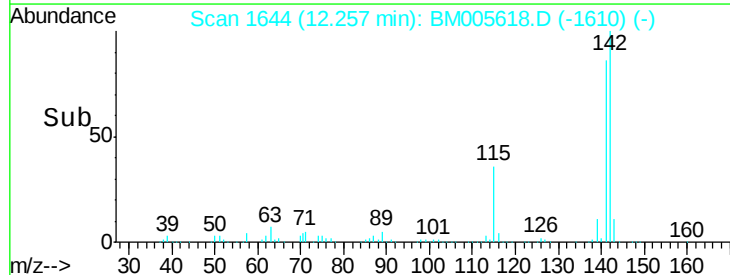
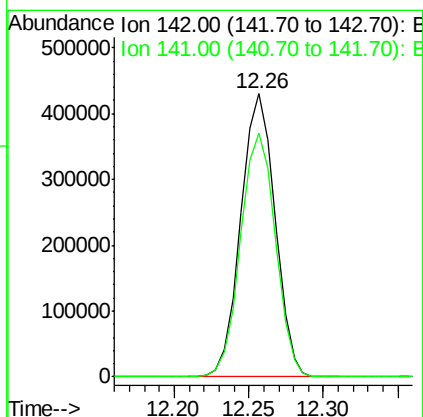
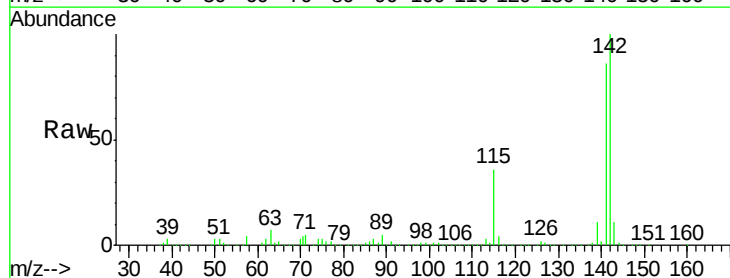
Instrument :
 BNA_M
 ClientSampleId :
 D9WT5DL

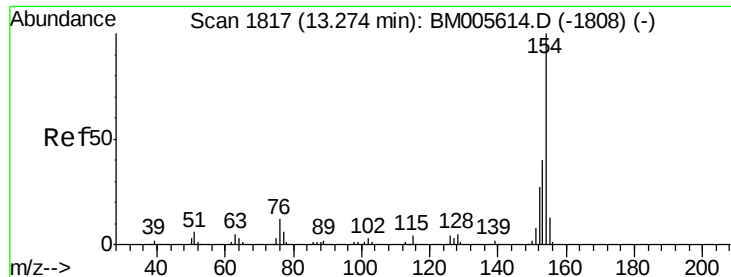
Tgt Ion:127 Resp: 89058
 Ion Ratio Lower Upper
 127 100
 129 83.2 26.9 40.3#



#34
 2-Methylnaphthalene
 Concen: 39.94 ng/ul
 RT: 12.26 min Scan# 1644
 Delta R.T. -0.00 min
 Lab File: BM005618.D
 Acq: 23 May 2016 20:05

Tgt Ion:142 Resp: 684631
 Ion Ratio Lower Upper
 142 100
 141 86.3 70.6 106.0

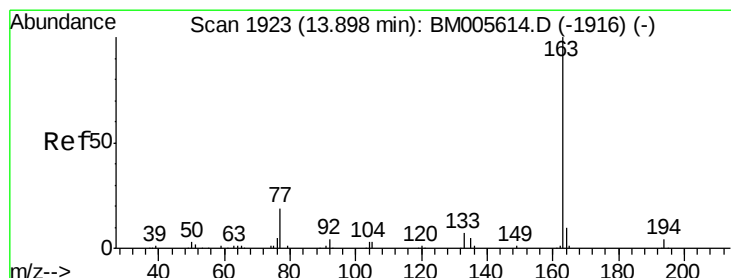
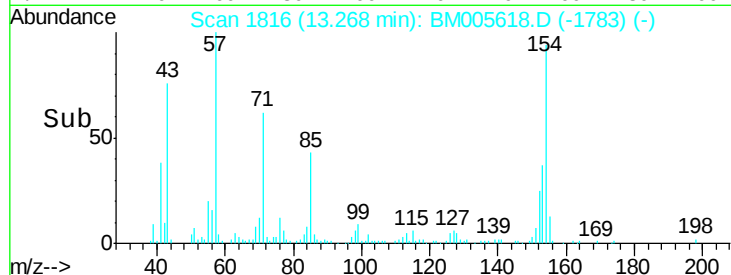
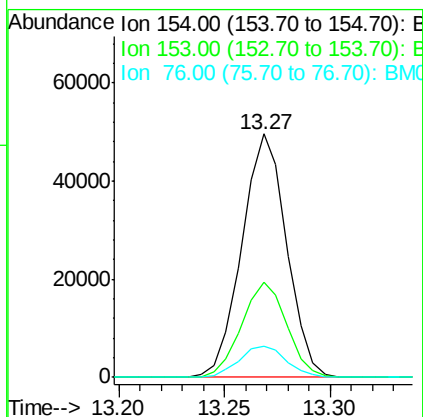
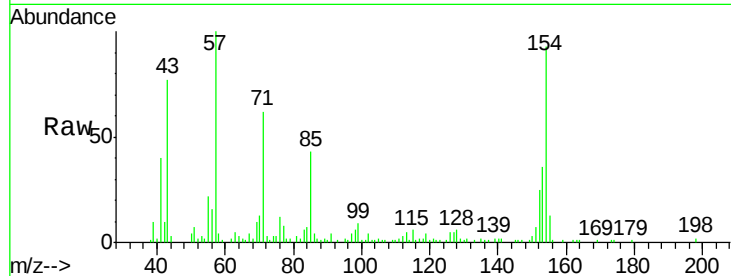




#40
 1,1'-Biphenyl
 Concen: 3.42 ng/ul
 RT: 13.27 min Scan# 1816
 Delta R.T. -0.01 min
 Lab File: BM005618.D
 Acq: 23 May 2016 20:05

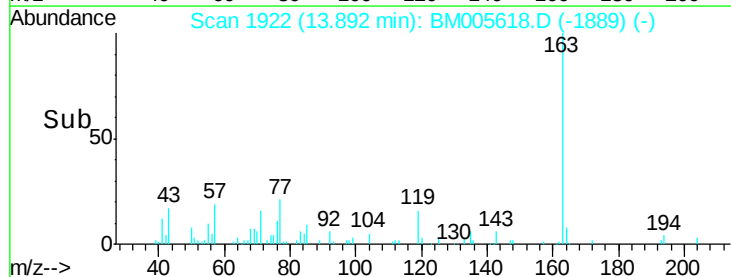
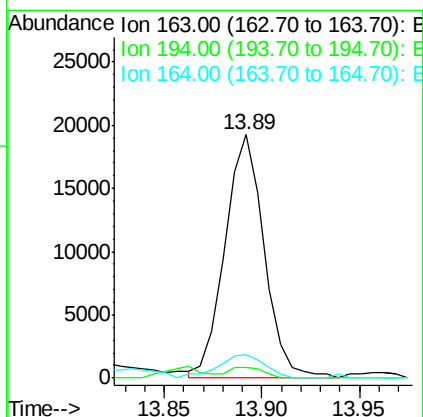
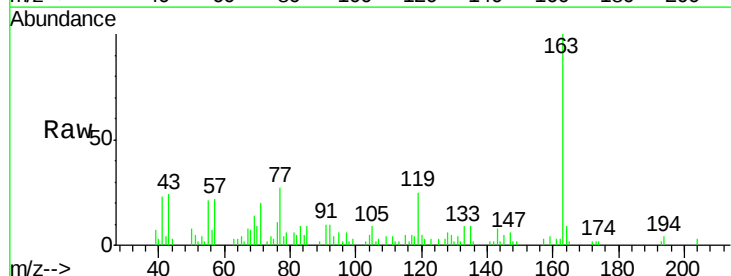
Instrument :
 BNA_M
 ClientSampleId :
 D9WT5DL

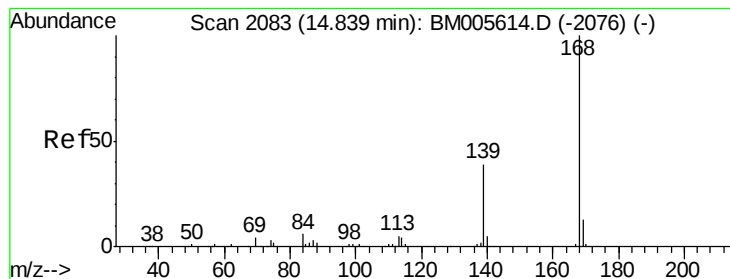
Tgt Ion:154 Resp: 72752
 Ion Ratio Lower Upper
 154 100
 153 39.2 31.7 47.5
 76 12.7 10.1 15.1



#44
 Dimethylphthalate
 Concen: 1.31 ng/ul
 RT: 13.89 min Scan# 1922
 Delta R.T. -0.01 min
 Lab File: BM005618.D
 Acq: 23 May 2016 20:05

Tgt Ion:163 Resp: 26815
 Ion Ratio Lower Upper
 163 100
 194 4.1 3.4 5.0
 164 9.5 8.0 12.0





#53

Dibenzofuran

Concen: 8.39 ng/ul

RT: 14.84 min Scan# 2083

Delta R.T. -0.00 min

Lab File: BM005618.D

Acq: 23 May 2016 20:05

Instrument :

BNA_M

ClientSampleId :

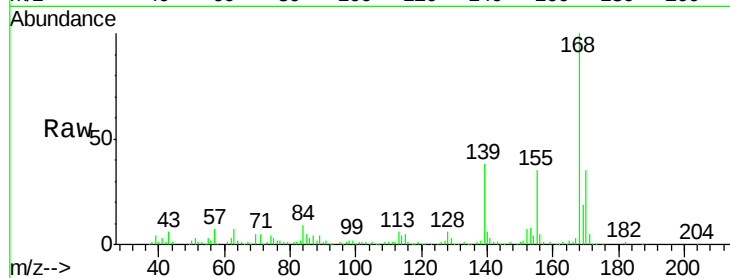
D9WT5DL

Tgt Ion:168 Resp: 207414

Ion Ratio Lower Upper

168 100

139 38.3 30.6 46.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.84

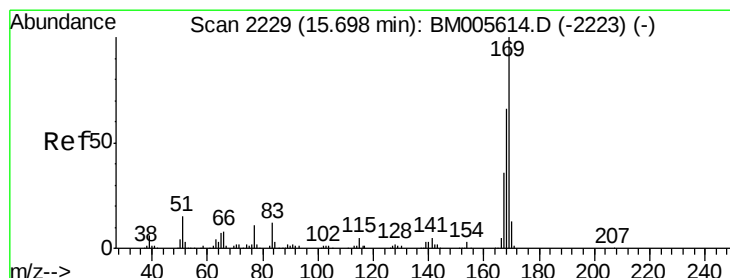
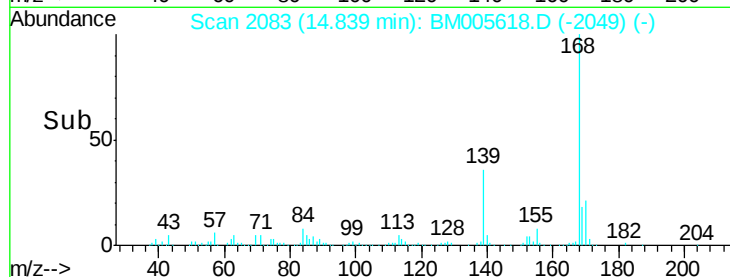
150000

100000

50000

0

Time-->



#64

N-Nitrosodiphenylamine

Concen: 1.47 ng/ul

RT: 15.70 min Scan# 2229

Delta R.T. -0.00 min

Lab File: BM005618.D

Acq: 23 May 2016 20:05

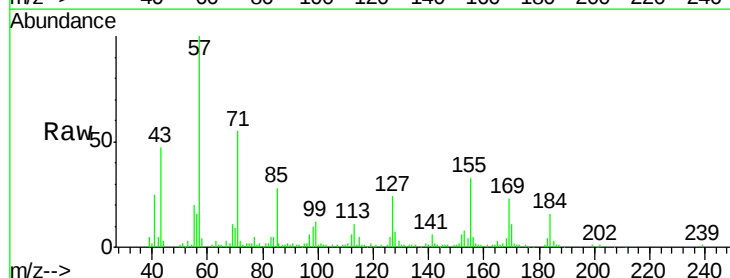
Tgt Ion:169 Resp: 23635

Ion Ratio Lower Upper

169 100

168 16.3 53.2 79.8#

167 9.3 28.9 43.3#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

20000

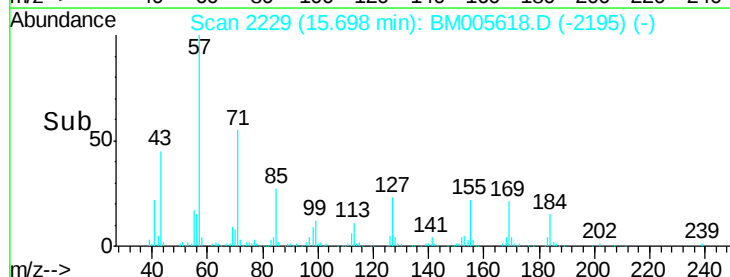
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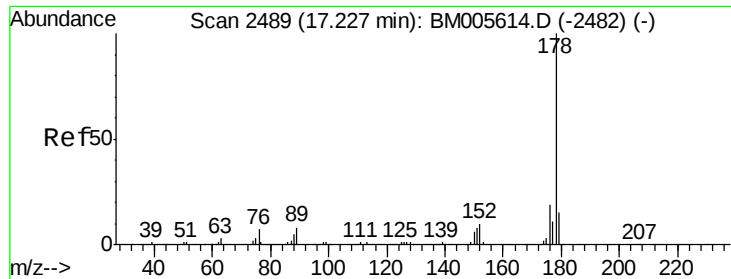
10000

5000

0

Time-->





#69

Phenanthrene

Concen: 15.90 ng/ul

RT: 17.22 min Scan# 2488

Delta R.T. -0.01 min

Lab File: BM005618.D

Acq: 23 May 2016 20:05

Instrument :

BNA_M

ClientSampleId :

D9WT5DL

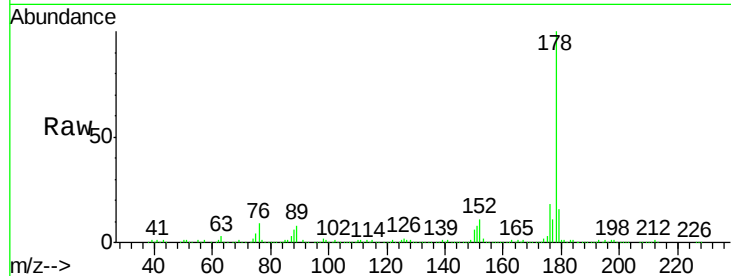
Tgt Ion:178 Resp: 471901

Ion Ratio Lower Upper

178 100

179 15.6 12.2 18.2

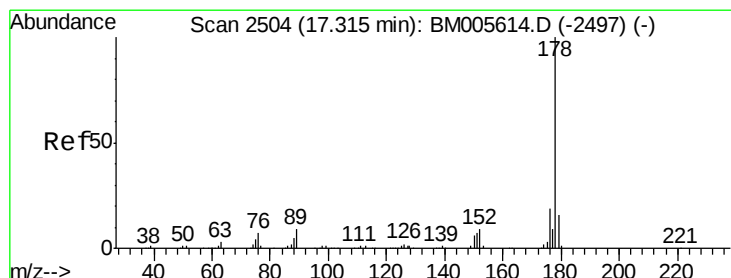
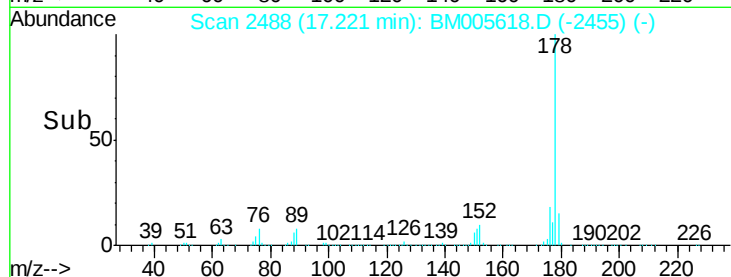
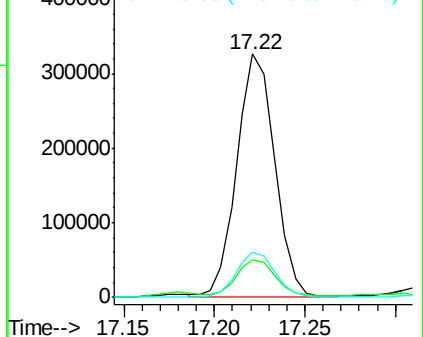
176 18.4 15.8 23.6



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: 15.60 ng/ul

RT: 17.22 min Scan# 2488

Delta R.T. -0.09 min

Lab File: BM005618.D

Acq: 23 May 2016 20:05

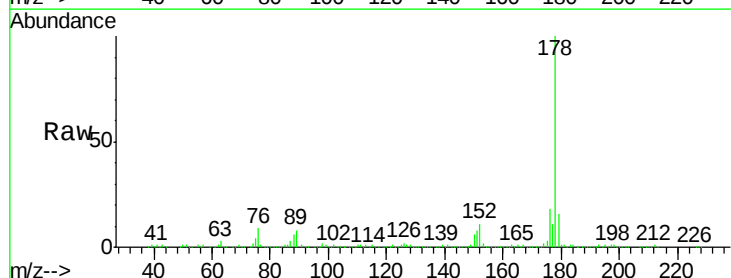
Tgt Ion:178 Resp: 471901

Ion Ratio Lower Upper

178 100

179 15.6 12.6 18.8

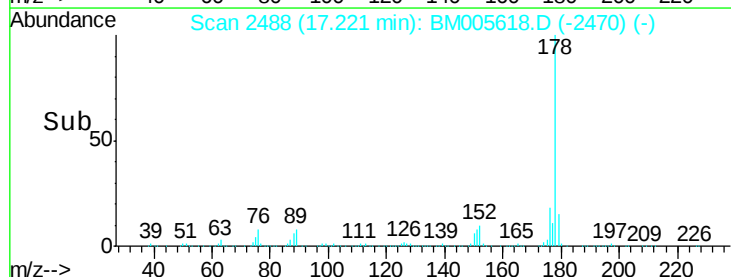
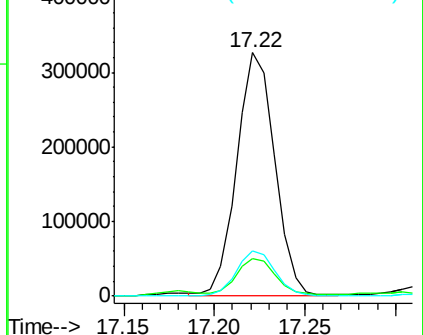
176 18.4 15.0 22.4

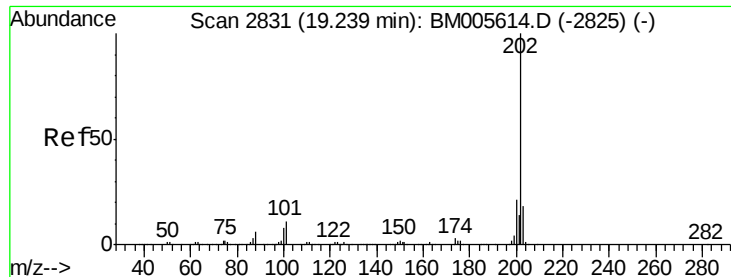


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 3.00 ng/ul

RT: 19.24 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BM005618.D

Acq: 23 May 2016 20:05

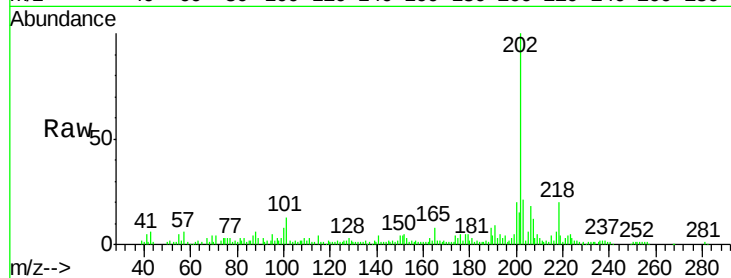
Instrument :

BNA_M

ClientSampleId :

D9WT5DL

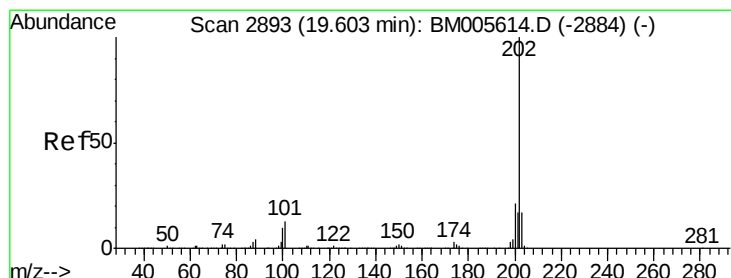
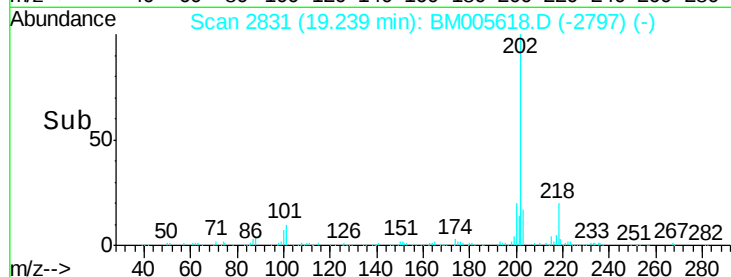
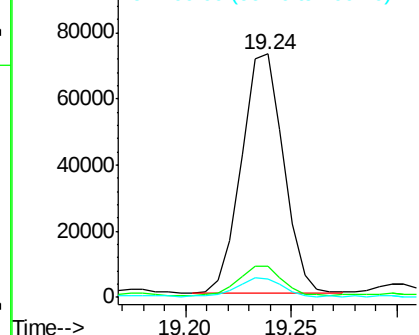
Tgt Ion:	202	Resp:	100104
Ion	Ratio	Lower	Upper
202	100		
101	12.7	7.9	11.9#
100	7.7	5.6	8.4



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: 3.39 ng/ul

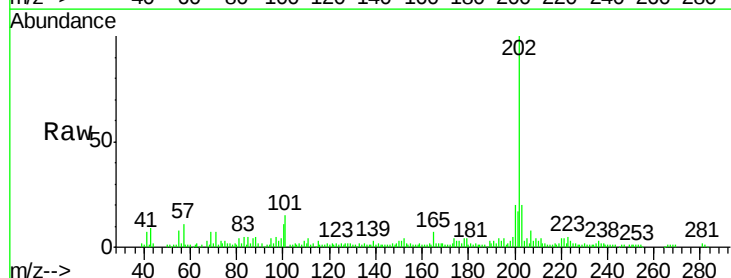
RT: 19.60 min Scan# 2892

Delta R.T. -0.01 min

Lab File: BM005618.D

Acq: 23 May 2016 20:05

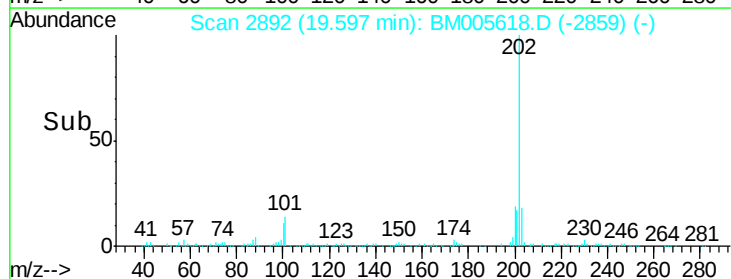
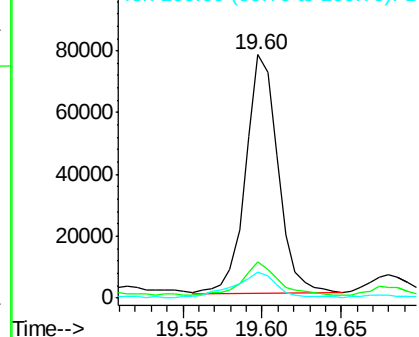
Tgt Ion:	202	Resp:	109393
Ion	Ratio	Lower	Upper
202	100		
101	14.7	9.6	14.4#
100	10.8	7.8	11.6

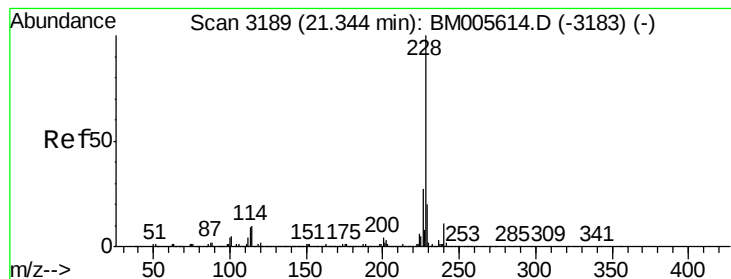


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 2.03 ng/ul

RT: 21.34 min Scan# 3189

Delta R.T. -0.00 min

Lab File: BM005618.D

Acq: 23 May 2016 20:05

Instrument :

BNA_M

ClientSampleId :

D9WT5DL

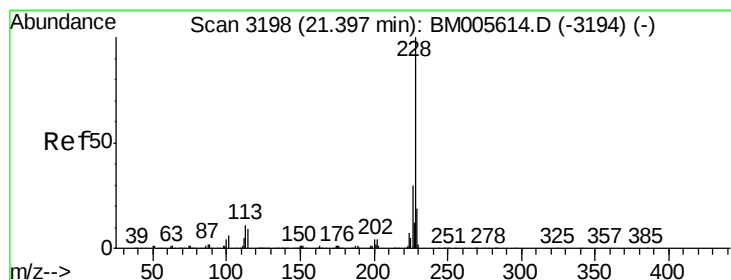
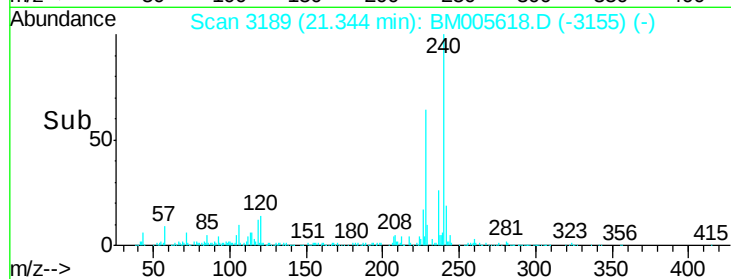
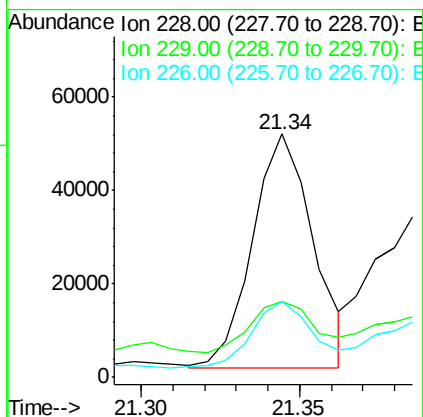
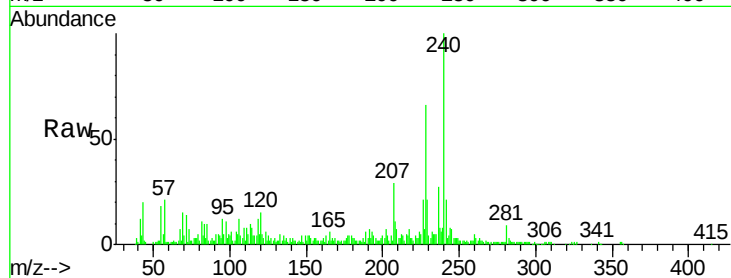
Tgt Ion:228 Resp: 66999

Ion Ratio Lower Upper

228 100

229 31.3 15.4 23.2#

226 31.2 21.0 31.4



#82

Chrysene

Concen: 3.07 ng/ul

RT: 21.40 min Scan# 3198

Delta R.T. -0.00 min

Lab File: BM005618.D

Acq: 23 May 2016 20:05

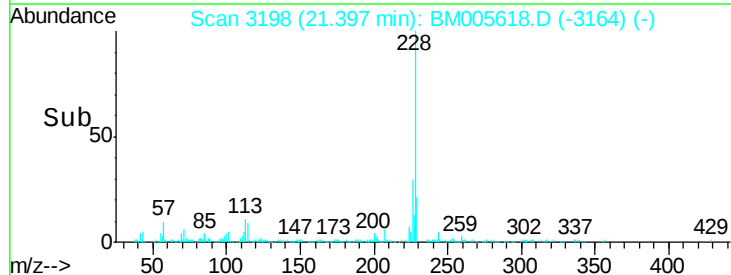
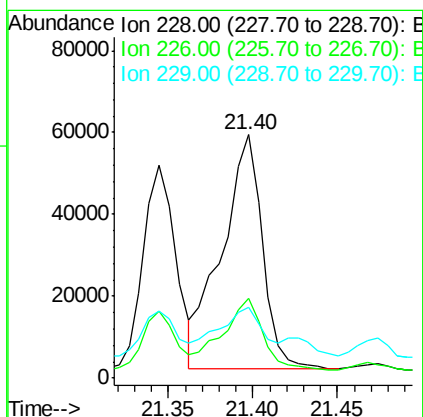
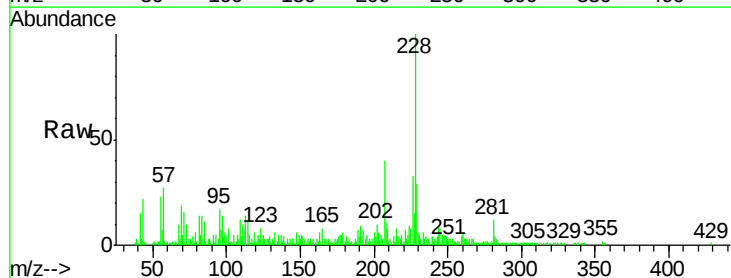
Tgt Ion:228 Resp: 96275

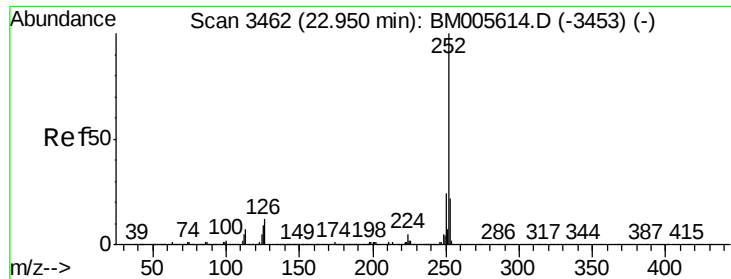
Ion Ratio Lower Upper

228 100

226 32.9 23.7 35.5

229 29.0 15.5 23.3#

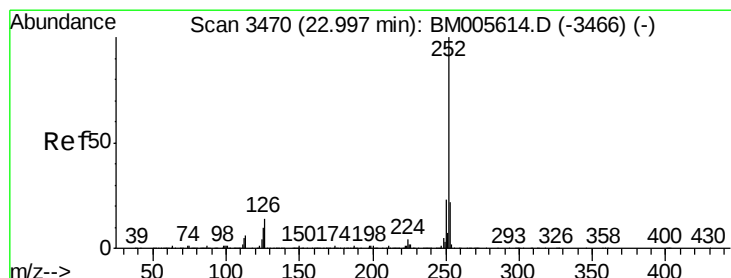
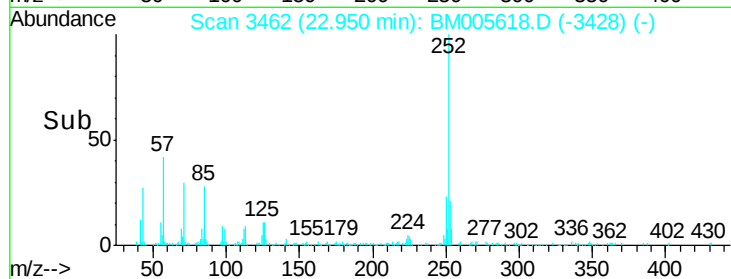
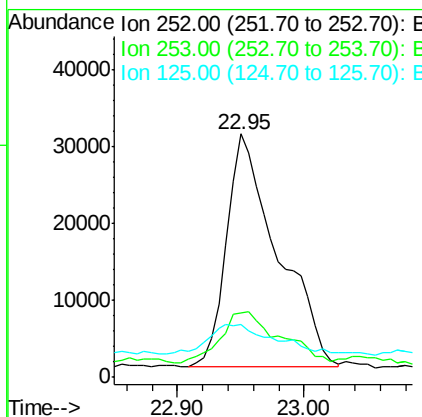
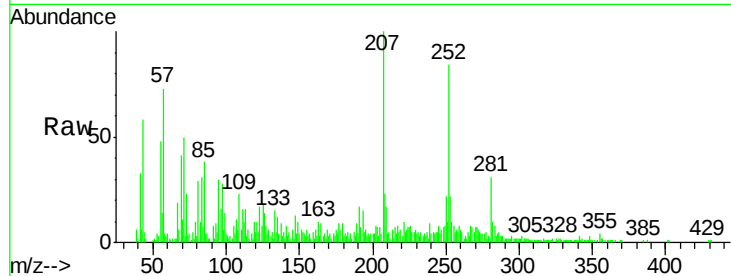




#85
Benzo(b)fluoranthene
Concen: 2.54 ng/ul
RT: 22.95 min Scan# 3462
Delta R.T. -0.00 min
Lab File: BM005618.D
Acq: 23 May 2016 20:05

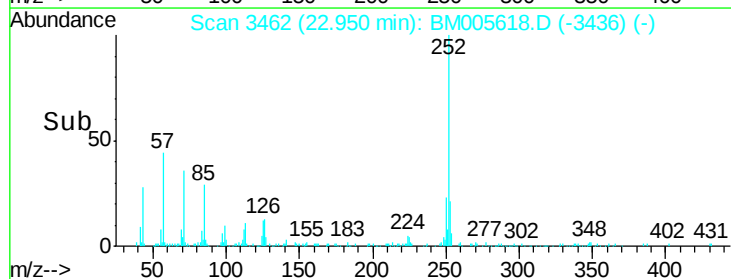
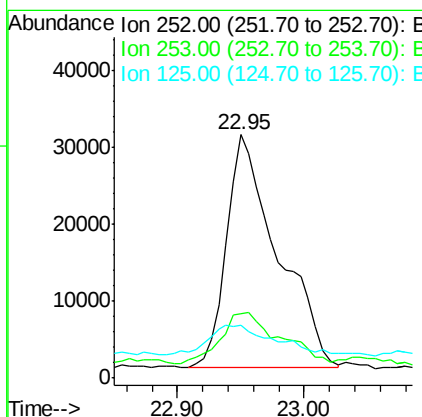
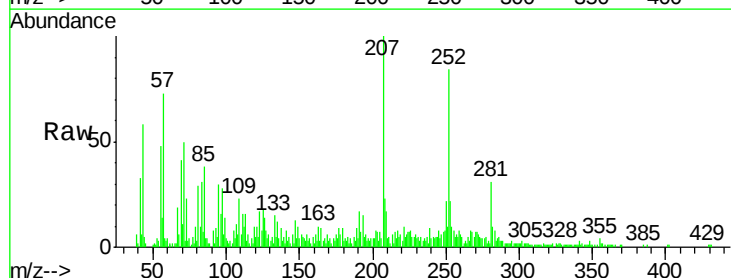
Instrument :
BNA_M
ClientSampleId :
D9WT5DL

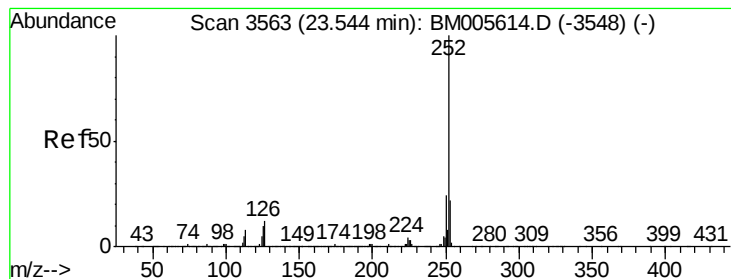
Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.3	25.9#
125	21.8	7.0	10.4#



#86
Benzo(k)fluoranthene
Concen: 2.68 ng/ul
RT: 22.95 min Scan# 3462
Delta R.T. -0.05 min
Lab File: BM005618.D
Acq: 23 May 2016 20:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.5	26.3#
125	21.8	7.0	10.6#





#88

Benzo(a)pyrene

Concen: 1.05 ng/ul

RT: 23.54 min Scan# 3562

Delta R.T. -0.01 min

Lab File: BM005618.D

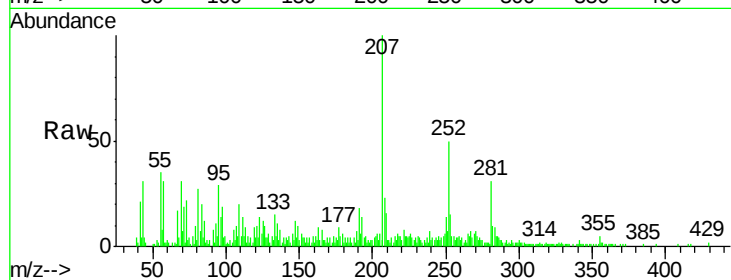
Acq: 23 May 2016 20:05

Instrument :

BNA_M

ClientSampleId :

D9WT5DL



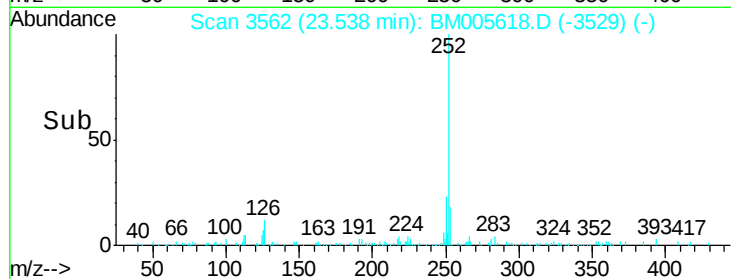
Tgt Ion: 252 Resp: 33923

Ion Ratio Lower Upper

252 100

253 30.3 17.6 26.4#

125 23.1 7.6 11.4#



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

