

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
 Data File : BM005621.D
 Acq On : 23 May 2016 22:22
 Operator : UM/SJ
 Sample : H3087-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGK8

Quant Time: May 24 06:57:04 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	136959	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	641816	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	362601	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.18	188	791561	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	826382	20.00	ng/ul	0.00
83) Perylene-d12	23.64	264	831463	20.00	ng/ul	0.00

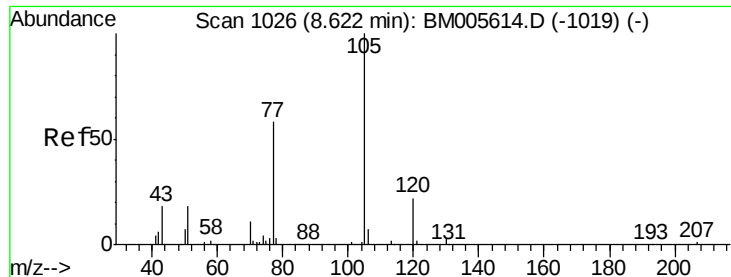
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	12257	3.92	ng/uL	0.00
5) Phenol-d5	6.97	99	260924	23.24	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	156436	24.05	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	217977	23.27	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	200443	21.79	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	107053	21.82	ng/ul	0.00
22) 2-Nitrophenol-d4	9.67	143	121970	22.58	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	209998	20.64	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	220459	21.64	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	640462	21.64	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	834903	22.56	ng/ul	0.00
51) 4-Nitrophenol-d4	14.65	143	98841	17.65	ng/ul	0.00
57) Fluorene-d10	15.43	176	576863	22.40	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	65461	14.38	ng/ul	0.00
70) Anthracene-d10	17.28	188	875356	23.22	ng/ul	0.00
76) Pyrene-d10	19.57	212	932440	24.92	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.49	264	886405	22.83	ng/ul	0.00

Target Compounds

						Qvalue
14) Acetophenone	8.62	105	30274	2.19	ng/ul	98
28) Naphthalene	10.64	128	184890	5.73	ng/ul	99
30) 4-Chloroaniline	10.64	127	22947	2.20	ng/ul#	6
34) 2-Methylnaphthalene	12.25	142	61443	2.60	ng/ul	98
44) Dimethylphthalate	13.89	163	347873	11.89	ng/ul	99
49) Acenaphthene	14.50	153	42837	1.73	ng/ul	99
58) Fluorene	15.49	166	88919	3.14	ng/ul	98
69) Phenanthrene	17.22	178	981236	22.18	ng/ul	99
71) Anthracene	17.31	178	192420	4.27	ng/ul	100
72) Carbazole	17.58	167	47786	1.22	ng/ul	96
74) Fluoranthene	19.24	202	908892	18.25	ng/ul	98
77) Pyrene	19.60	202	978449	20.60	ng/ul	98
80) Benzo(a)anthracene	21.34	228	348426	7.17	ng/ul	96
82) Chrysene	21.39	228	453134	9.81	ng/ul	97
85) Benzo(b)fluoranthene	22.95	252	428145	8.73	ng/ul#	91
86) Benzo(k)fluoranthene	22.95	252	428145	9.22	ng/ul#	92
88) Benzo(a)pyrene	23.53	252	305462	6.42	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	25.93	276	190896	3.38	ng/ul	99
91) Benzo(g,h,i)perylene	26.64	276	184566	3.89	ng/ul	97

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



#14

Acetophenone

Concen: 2.19 ng/ul

RT: 8.62 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BM005621.D

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JHKG8

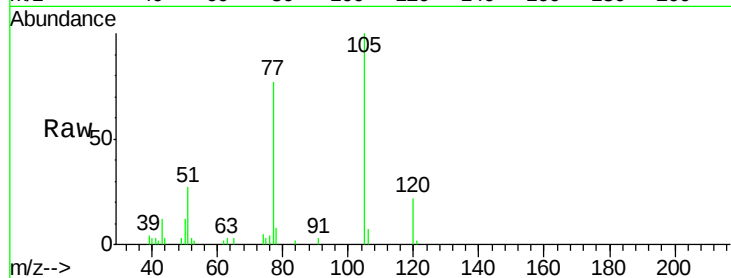
Tgt Ion:105 Resp: 30274

Ion Ratio Lower Upper

105 100

77 77.3 60.8 91.2

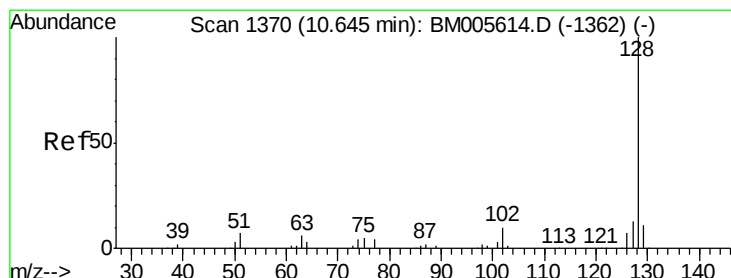
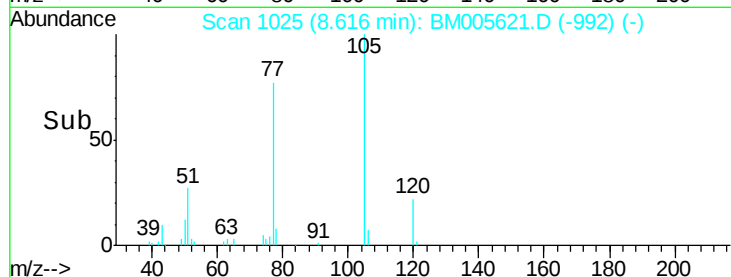
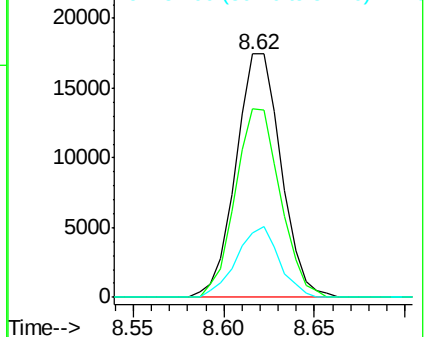
51 26.6 22.2 33.2



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0



#28

Naphthalene

Concen: 5.73 ng/ul

RT: 10.64 min Scan# 1369

Delta R.T. -0.01 min

Lab File: BM005621.D

Acq: 23 May 2016 22:22

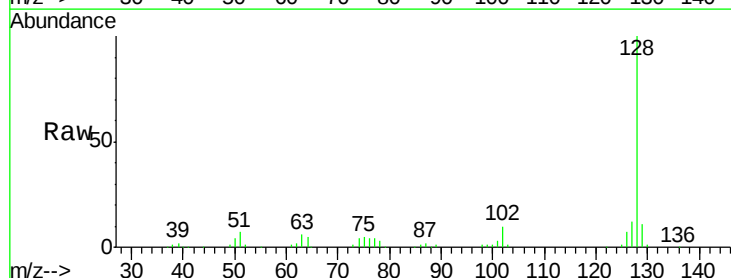
Tgt Ion:128 Resp: 184890

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

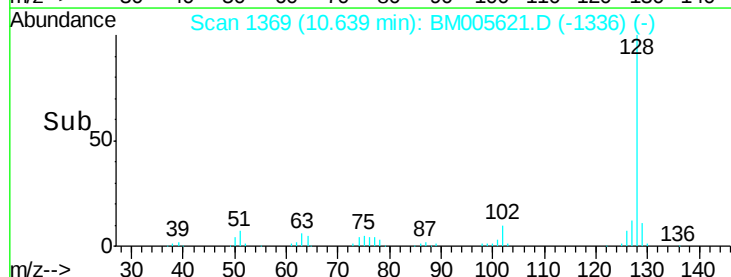
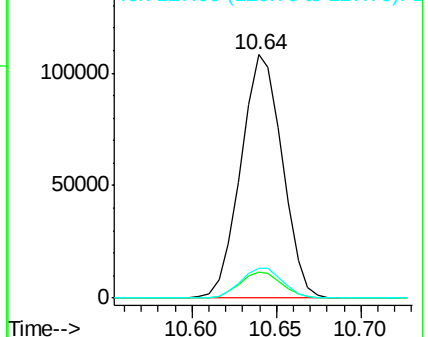
127 12.3 10.6 15.8

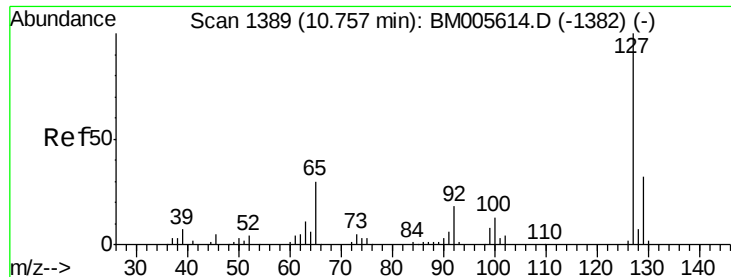


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#30

4-Chloroaniline

Concen: 2.20 ng/ul

RT: 10.64 min Scan# 1369

Delta R.T. -0.12 min

Lab File: BM005621.D

Acq: 23 May 2016 22:22

Instrument :

BNA_M

ClientSampleId :

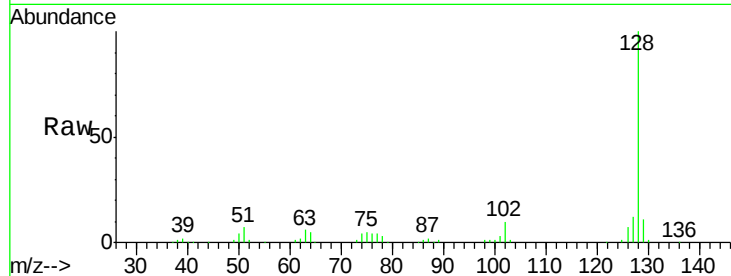
JHGK8

Tgt Ion:127 Resp: 22947

Ion Ratio Lower Upper

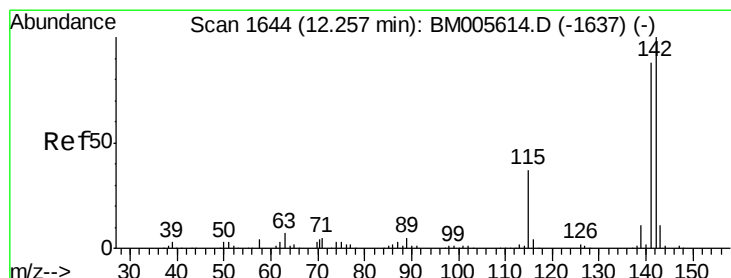
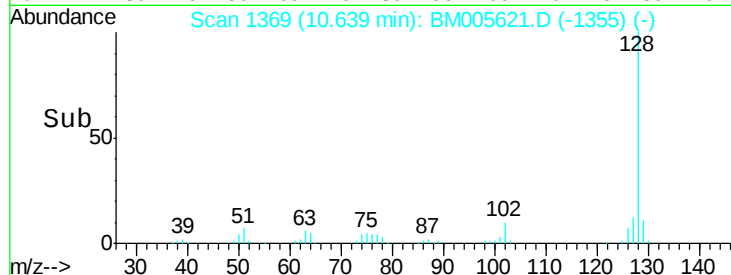
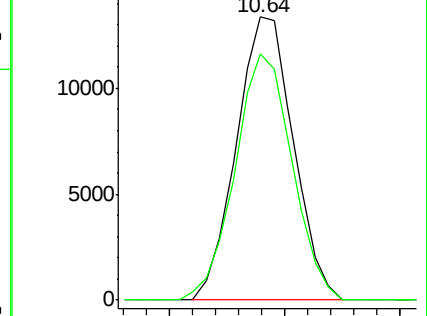
127 100

129 87.1 26.9 40.3#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E



#34

2-Methylnaphthalene

Concen: 2.60 ng/ul

RT: 12.25 min Scan# 1643

Delta R.T. -0.01 min

Lab File: BM005621.D

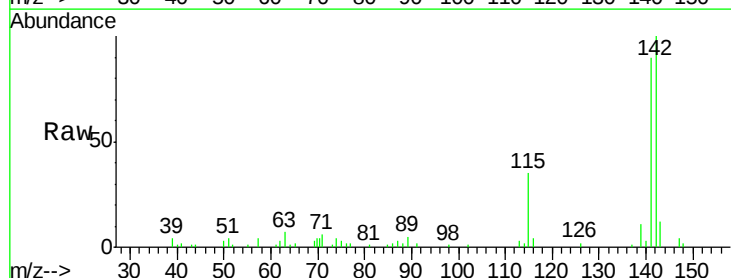
Acq: 23 May 2016 22:22

Tgt Ion:142 Resp: 61443

Ion Ratio Lower Upper

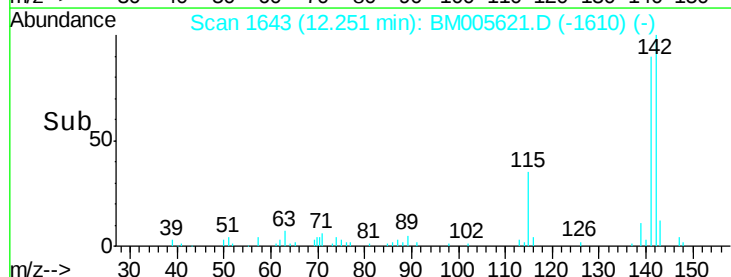
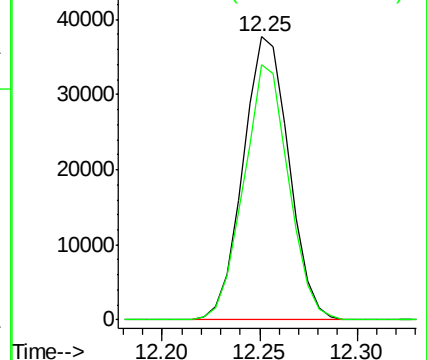
142 100

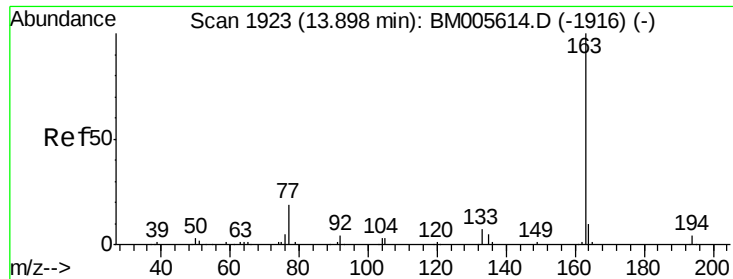
141 90.2 70.6 106.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

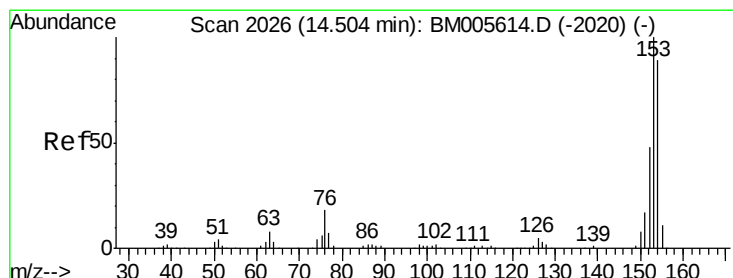
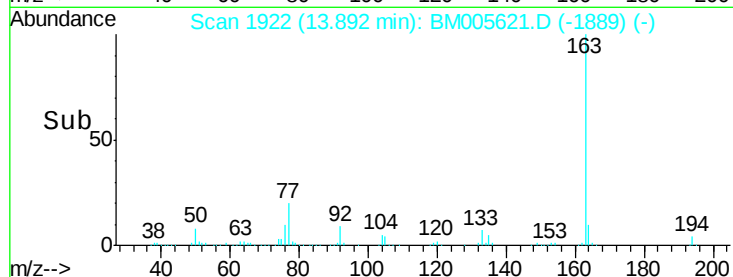
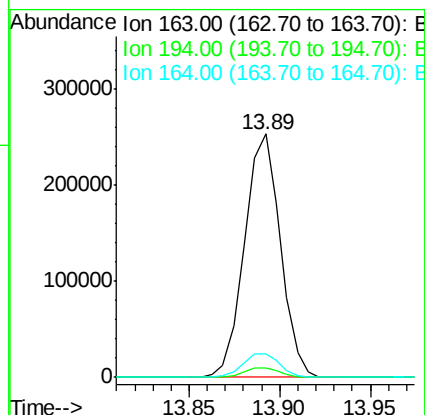
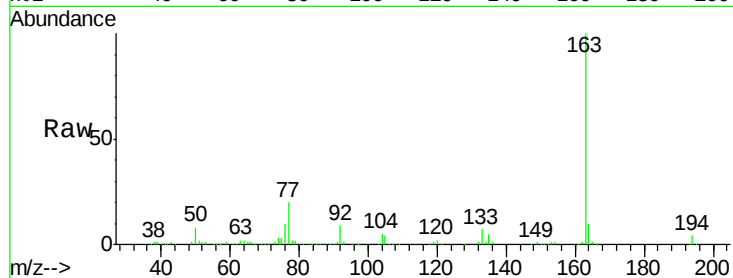




#44
Dimethylphthalate
Concen: 11.89 ng/ul
RT: 13.89 min Scan# 1922
Delta R.T. -0.01 min
Lab File: BM005621.D
Acq: 23 May 2016 22:22

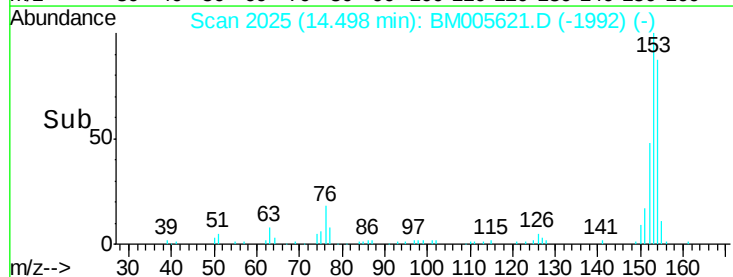
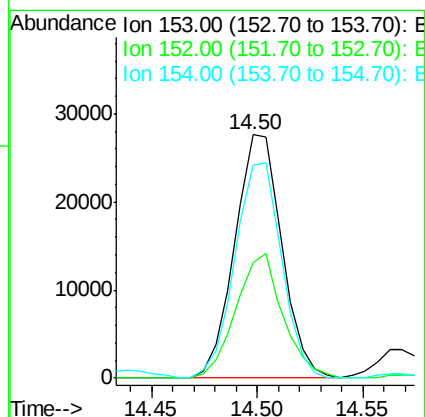
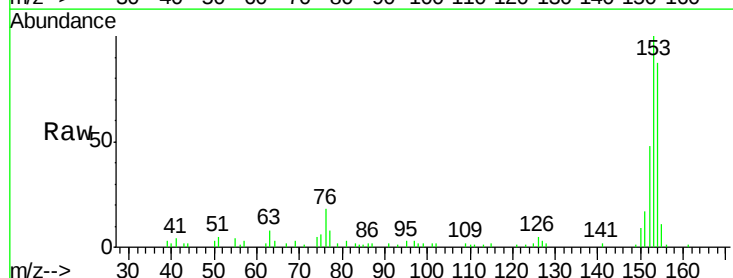
Instrument :
BNA_M
ClientSampleId :
JHGK8

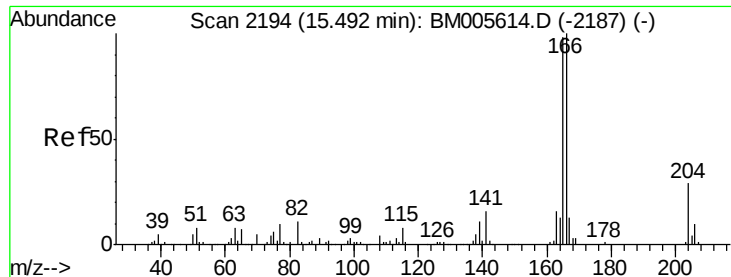
Tgt Ion:163 Resp: 347873
Ion Ratio Lower Upper
163 100
194 3.9 3.4 5.0
164 9.6 8.0 12.0



#49
Acenaphthene
Concen: 1.73 ng/ul
RT: 14.50 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BM005621.D
Acq: 23 May 2016 22:22

Tgt Ion:153 Resp: 42837
Ion Ratio Lower Upper
153 100
152 47.6 37.8 56.6
154 87.4 71.1 106.7





#58

Fluorene

Concen: 3.14 ng/ul

RT: 15.49 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BM005621.D

Acq: 23 May 2016 22:22

Instrument :

BNA_M

ClientSampleId :

JHGK8

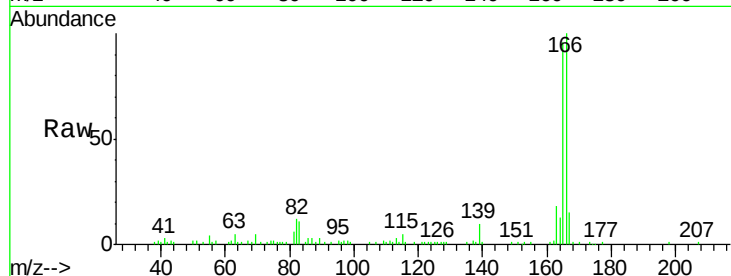
Tgt Ion:166 Resp: 88919

Ion Ratio Lower Upper

166 100

165 95.6 78.0 117.0

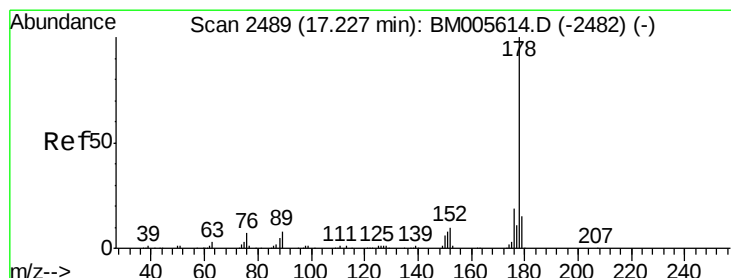
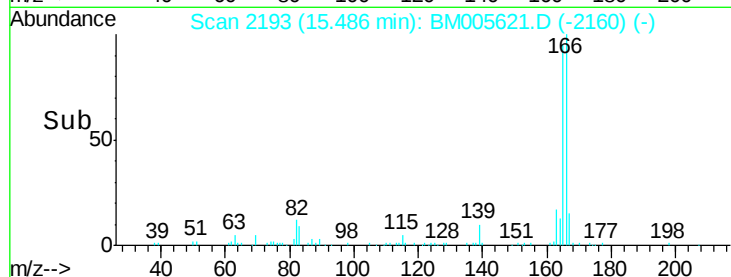
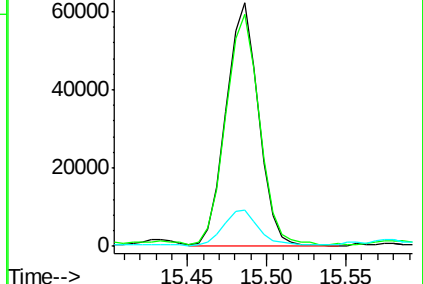
167 14.9 10.5 15.7



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: 22.18 ng/ul

RT: 17.22 min Scan# 2488

Delta R.T. -0.01 min

Lab File: BM005621.D

Acq: 23 May 2016 22:22

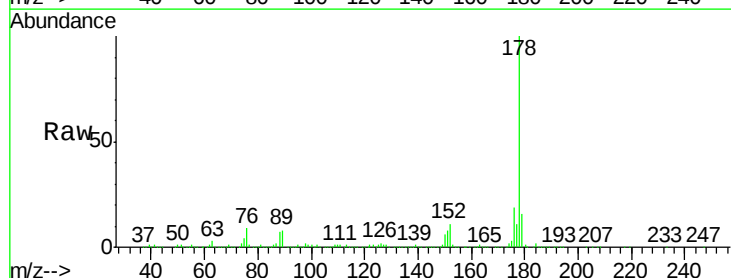
Tgt Ion:178 Resp: 981236

Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.2

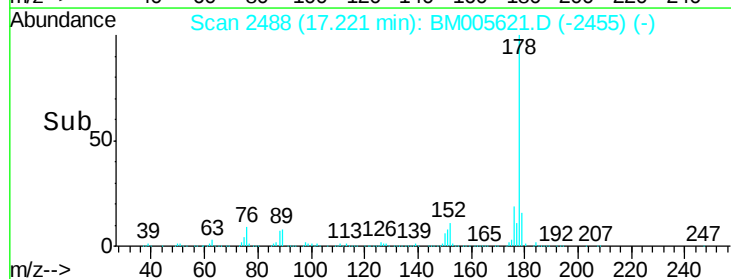
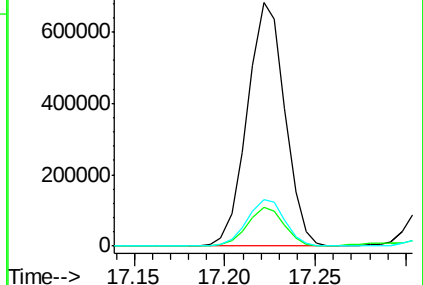
176 19.2 15.8 23.6

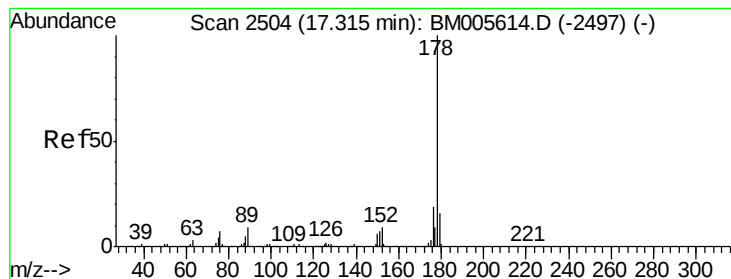


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 4.27 ng/ul

RT: 17.31 min Scan# 2503

Delta R.T. -0.01 min

Lab File: BM005621.D

Acq: 23 May 2016 22:22

Instrument :

BNA_M

ClientSampleId :

JHGK8

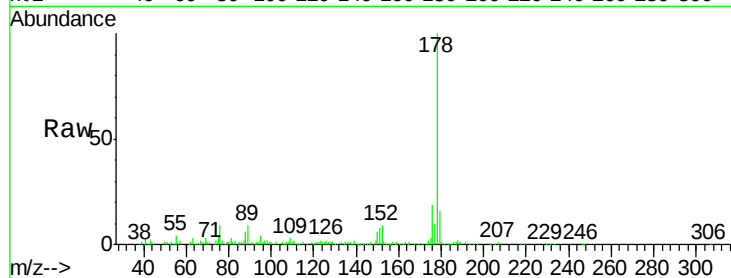
Tgt Ion:178 Resp: 192420

Ion Ratio Lower Upper

178 100

179 15.6 12.6 18.8

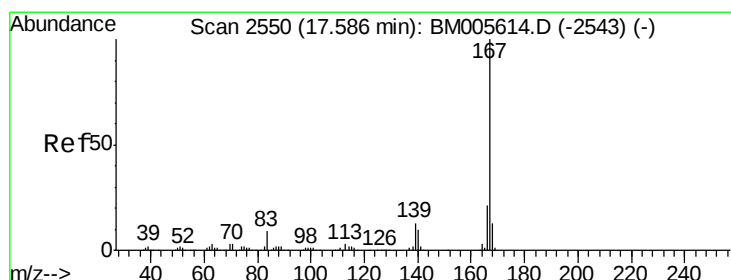
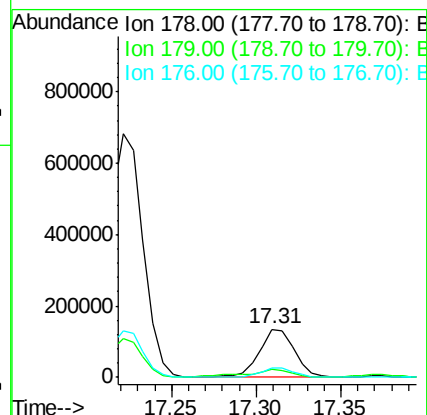
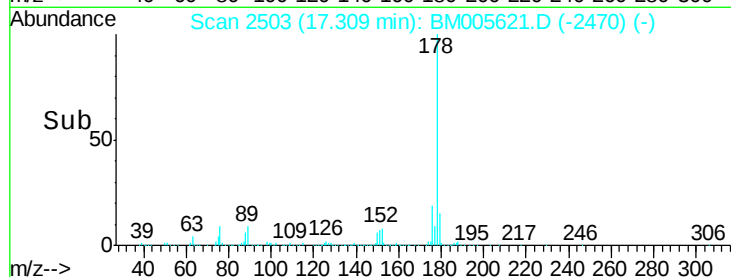
176 18.9 15.0 22.4



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



#72

Carbazole

Concen: 1.22 ng/ul

RT: 17.58 min Scan# 2549

Delta R.T. -0.01 min

Lab File: BM005621.D

Acq: 23 May 2016 22:22

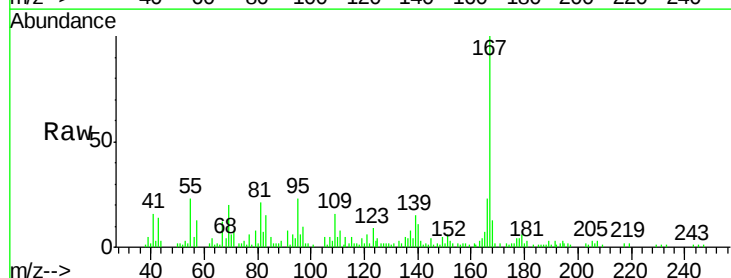
Tgt Ion:167 Resp: 47786

Ion Ratio Lower Upper

167 100

166 22.8 16.9 25.3

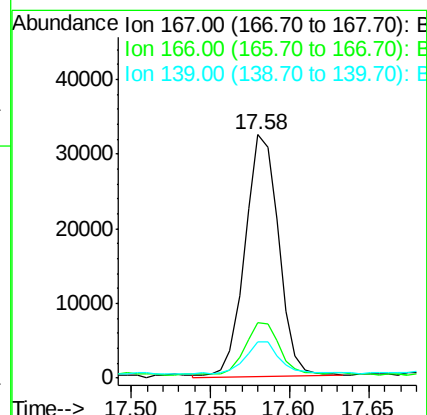
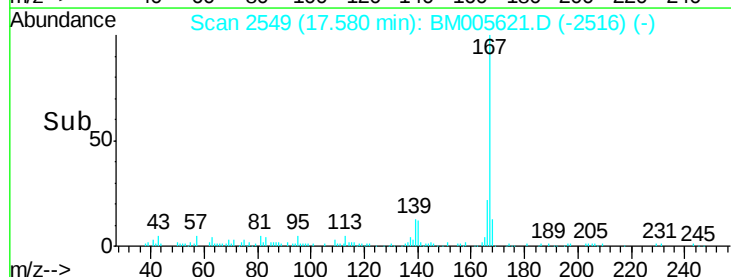
139 14.9 10.6 16.0

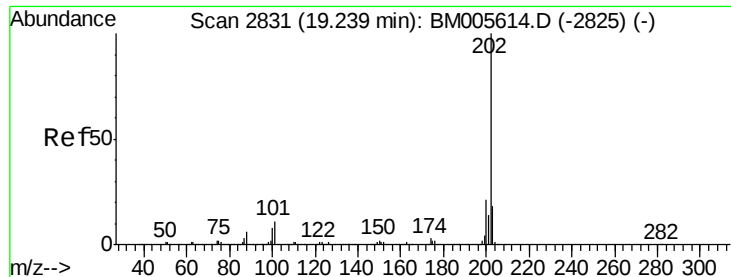


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 18.25 ng/ul

RT: 19.24 min Scan# 2831

Delta R.T. 0.00 min

Lab File: BM005621.D

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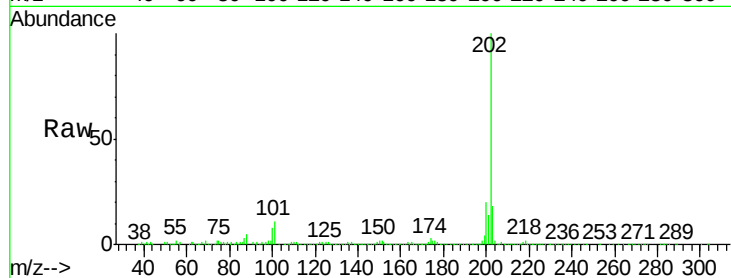
Tgt Ion:202 Resp: 908892

Ion Ratio Lower Upper

202 100

101 10.5 7.9 11.9

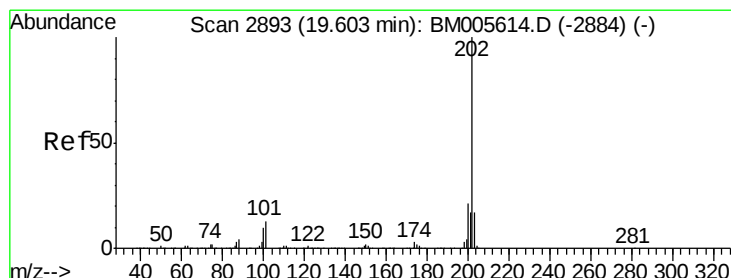
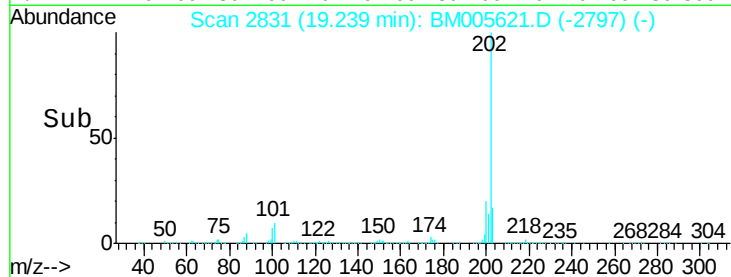
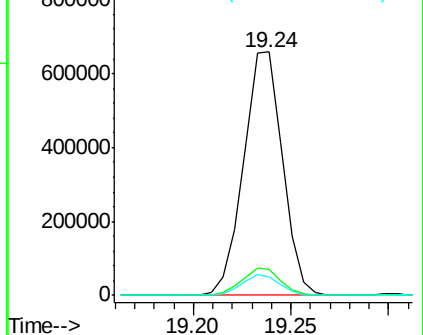
100 7.6 5.6 8.4



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: 20.60 ng/ul

RT: 19.60 min Scan# 2892

Delta R.T. -0.01 min

Lab File: BM005621.D

Acq: 23 May 2016 22:22

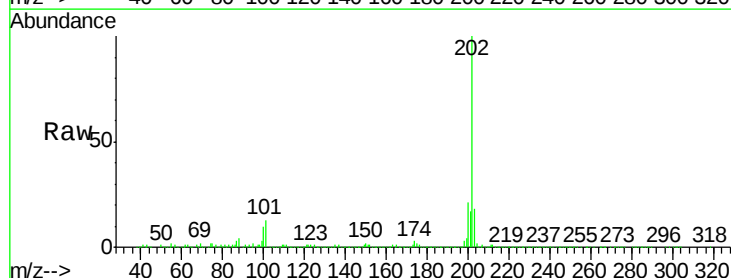
Tgt Ion:202 Resp: 978449

Ion Ratio Lower Upper

202 100

101 13.1 9.6 14.4

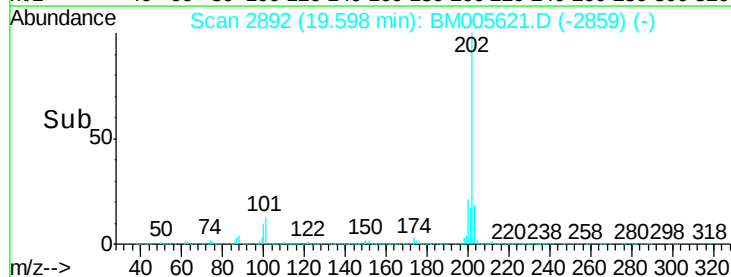
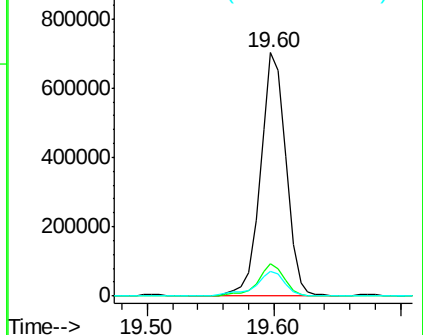
100 10.2 7.8 11.6

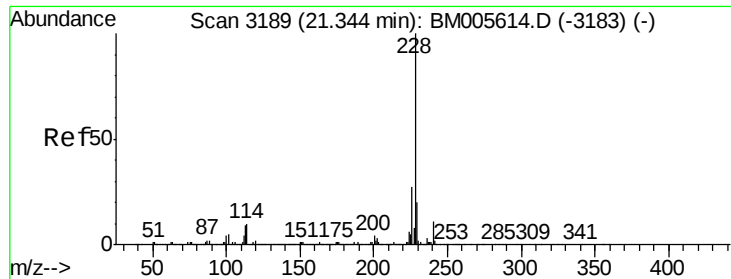


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 7.17 ng/ul

RT: 21.34 min Scan# 3188

Delta R.T. -0.01 min

Lab File: BM005621.D

Acq: 23 May 2016 22:22

Instrument :

BNA_M

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JHGK8

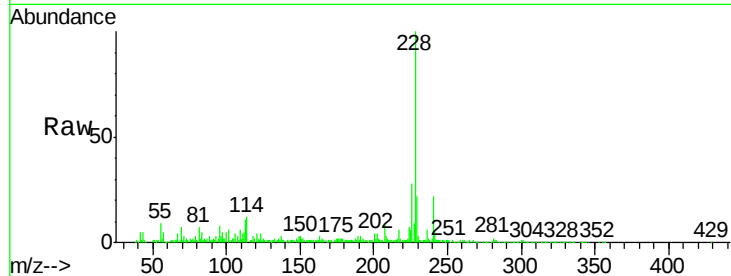
Tgt Ion:228 Resp: 348426

Ion Ratio Lower Upper

228 100

229 21.9 15.4 23.2

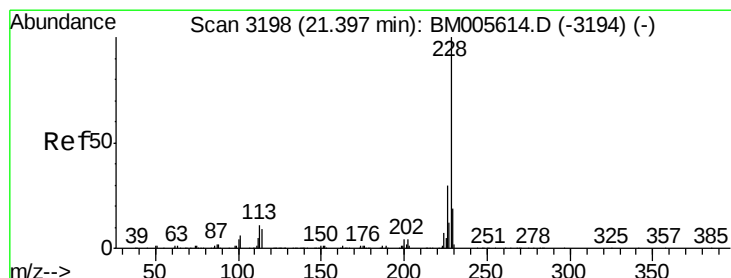
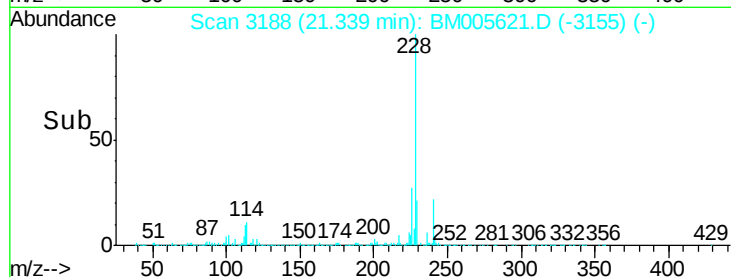
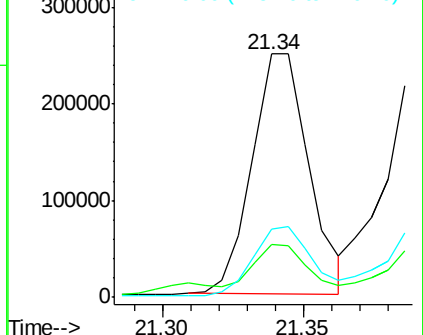
226 28.0 21.0 31.4



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



#82

Chrysene

Concen: 9.81 ng/ul

RT: 21.39 min Scan# 3197

Delta R.T. -0.01 min

Lab File: BM005621.D

Acq: 23 May 2016 22:22

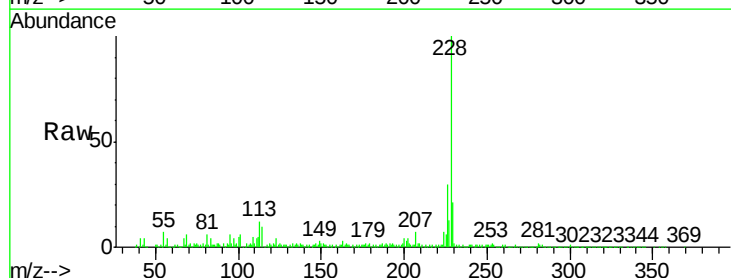
Tgt Ion:228 Resp: 453134

Ion Ratio Lower Upper

228 100

226 30.4 23.7 35.5

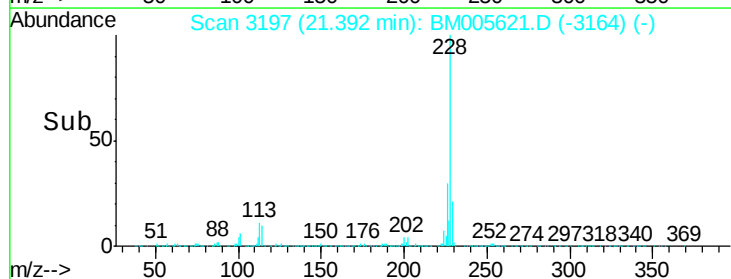
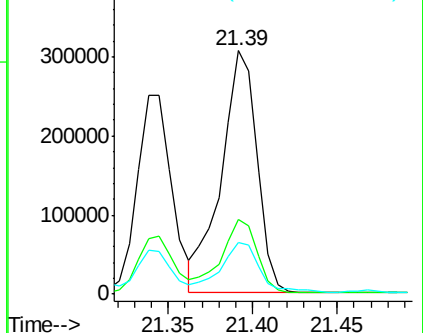
229 21.4 15.5 23.3

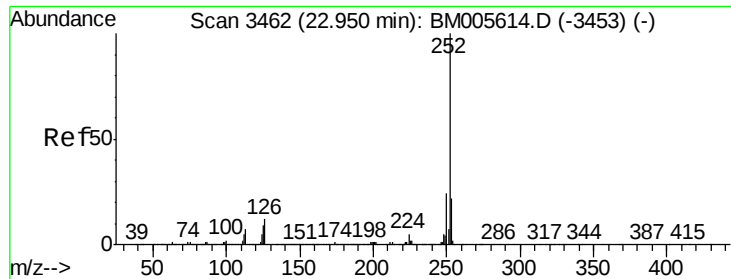


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

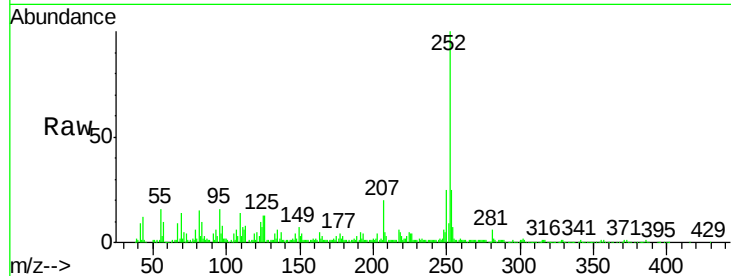




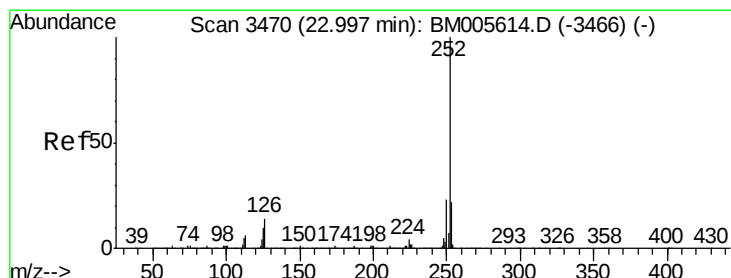
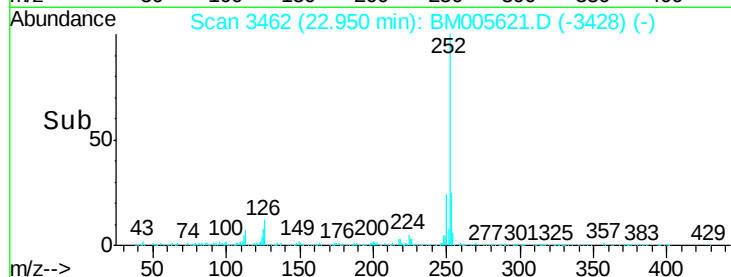
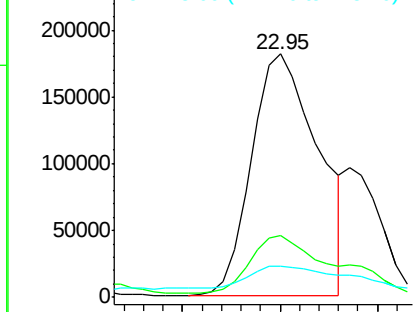
#85
Benzo(b)fluoranthene
Concen: 8.73 ng/ul
RT: 22.95 min Scan# 3462
Delta R.T. 0.00 min
Lab File: BM005621.D
Acq: 23 May 2016 22:22

Instrument :
BNA_M
ClientSampleId :
JHGK8

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.3	25.9
125	12.7	7.0	10.4

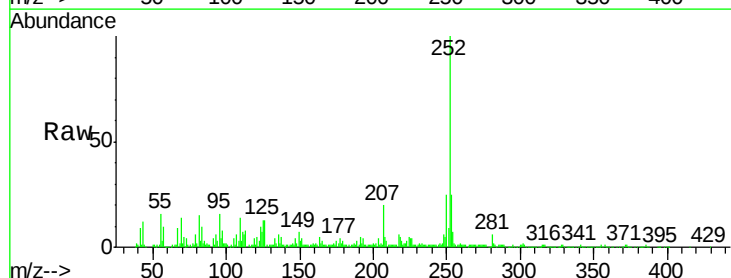


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

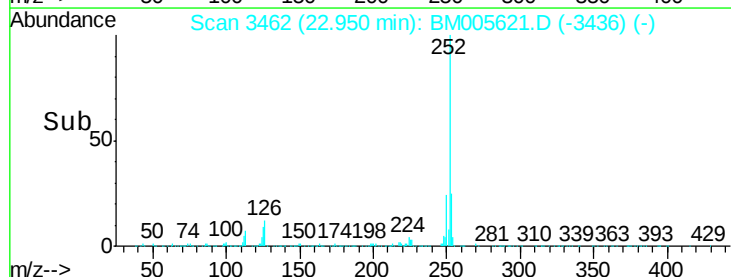
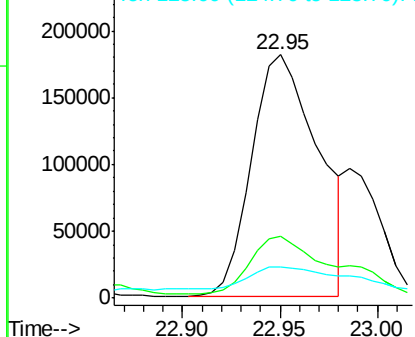


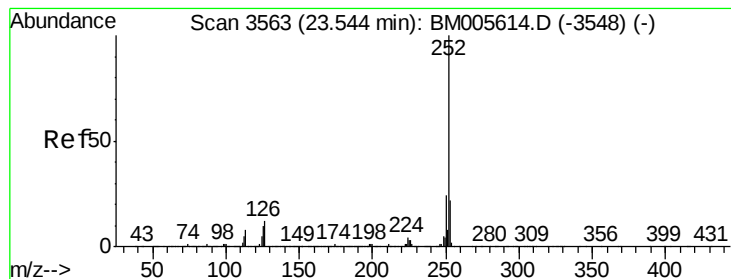
#86
Benzo(k)fluoranthene
Concen: 9.22 ng/ul
RT: 22.95 min Scan# 3462
Delta R.T. -0.05 min
Lab File: BM005621.D
Acq: 23 May 2016 22:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.5	26.3
125	12.7	7.0	10.6



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: 6.42 ng/ul

RT: 23.53 min Scan# 3561

Delta R.T. -0.01 min

Lab File: BM005621.D

Acq: 23 May 2016 22:22

Instrument :

BNA_M

ClientSampleId :

JHGK8

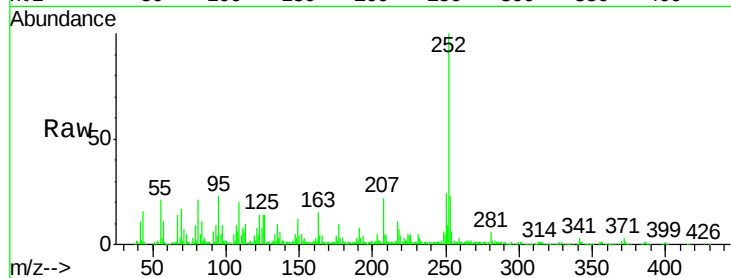
Tgt Ion:252 Resp: 305462

Ion Ratio Lower Upper

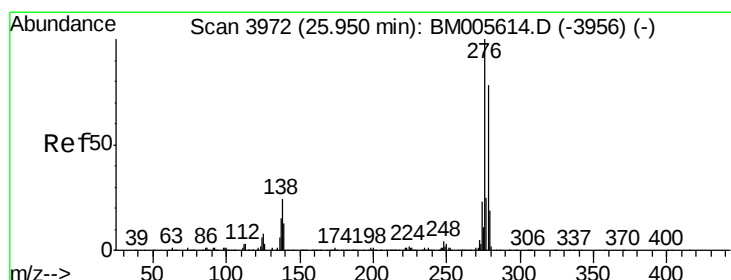
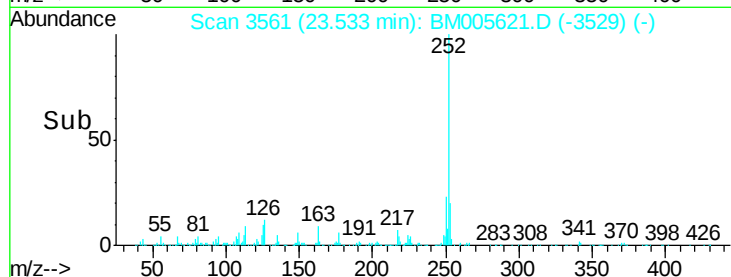
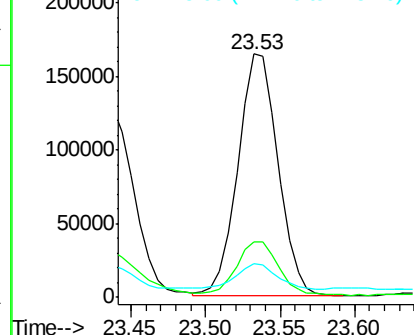
252 100

253 23.0 17.6 26.4

125 13.7 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



#89

Indeno(1,2,3-cd)pyrene

Concen: 3.38 ng/ul

RT: 25.93 min Scan# 3969

Delta R.T. -0.02 min

Lab File: BM005621.D

Acq: 23 May 2016 22:22

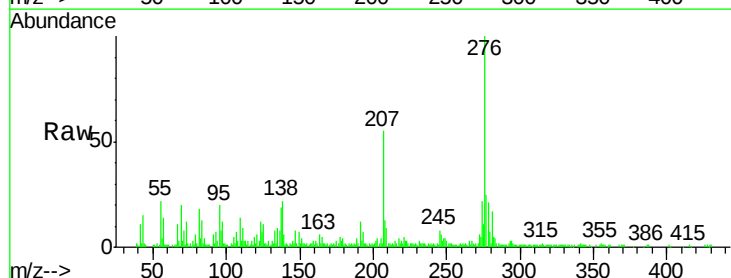
Tgt Ion:276 Resp: 190896

Ion Ratio Lower Upper

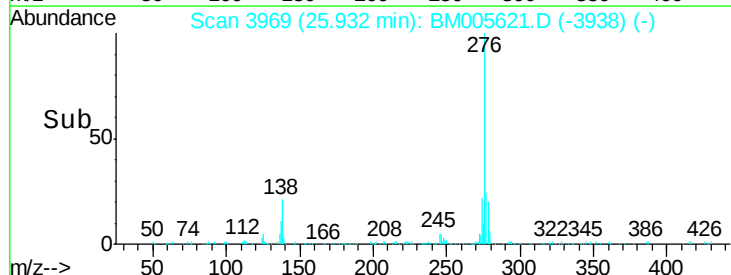
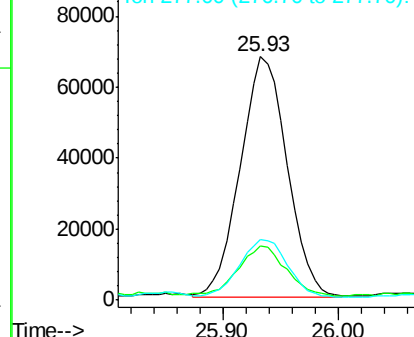
276 100

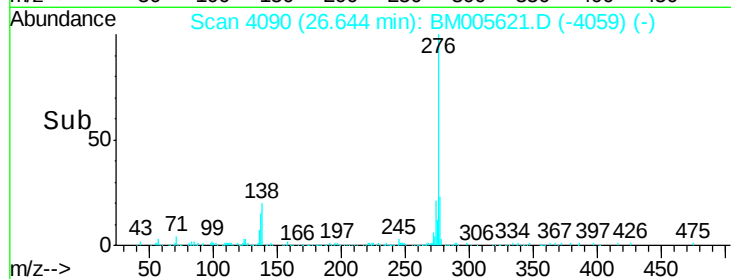
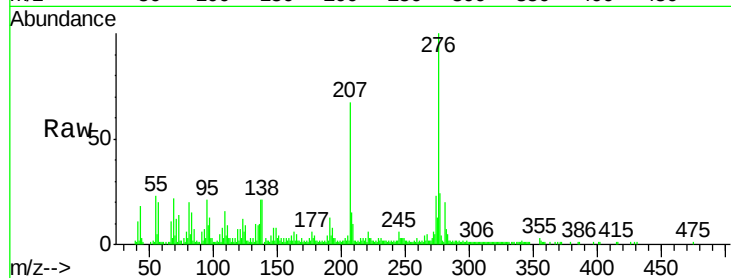
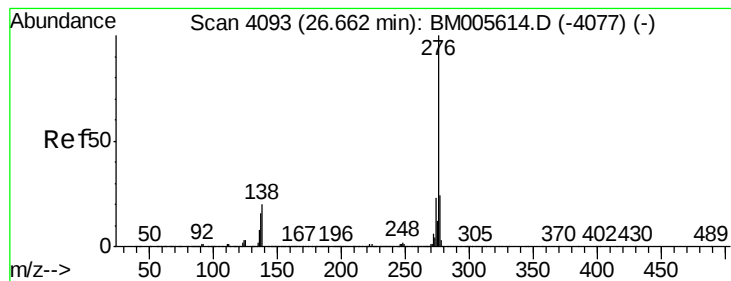
138 22.3 16.9 25.3

277 25.0 20.2 30.4



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





#91

Benzo(g,h,i)perylene

Concen: 3.89 ng/ul

RT: 26.64 min Scan# 4090

Delta R.T. -0.02 min

Lab File: BM005621.D

Acq: 23 May 2016 22:22

Instrument :

BNA_M

ClientSampleId :

JHGK8

Tgt Ion: 276 Resp: 184566

Ion Ratio Lower Upper

276 100

138 21.1 15.0 22.6

277 24.1 18.6 28.0

