

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
 Data File : BM005631.D
 Acq On : 24 May 2016 04:54
 Operator : UM/SJ
 Sample : H3086-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGF4RE

Quant Time: May 24 06:59:59 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	254636	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1038019	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	508351	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	998969	20.00	ng/ul	0.00
75) Chrysene-d12	21.37	240	830903	20.00	ng/ul	0.01
83) Perylene-d12	23.67	264	920746	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	17308	2.98	ng/uL	0.00
5) Phenol-d5	6.99	99	381392	18.27	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	226500	18.73	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	323704	18.59	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	292837	17.12	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	154724	19.50	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	165833	18.98	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.23	165	292546	17.78	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	254378	15.44	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	786955	18.96	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	1021910	19.70	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	107086	13.64	ng/ul	0.01
57) Fluorene-d10	15.44	176	675035	18.70	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.57	200	27102	4.72	ng/ul	0.01
70) Anthracene-d10	17.29	188	968835	20.36	ng/ul	0.00
76) Pyrene-d10	19.58	212	937123	24.90	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.52	264	855996	19.91	ng/ul	0.02

Target Compounds

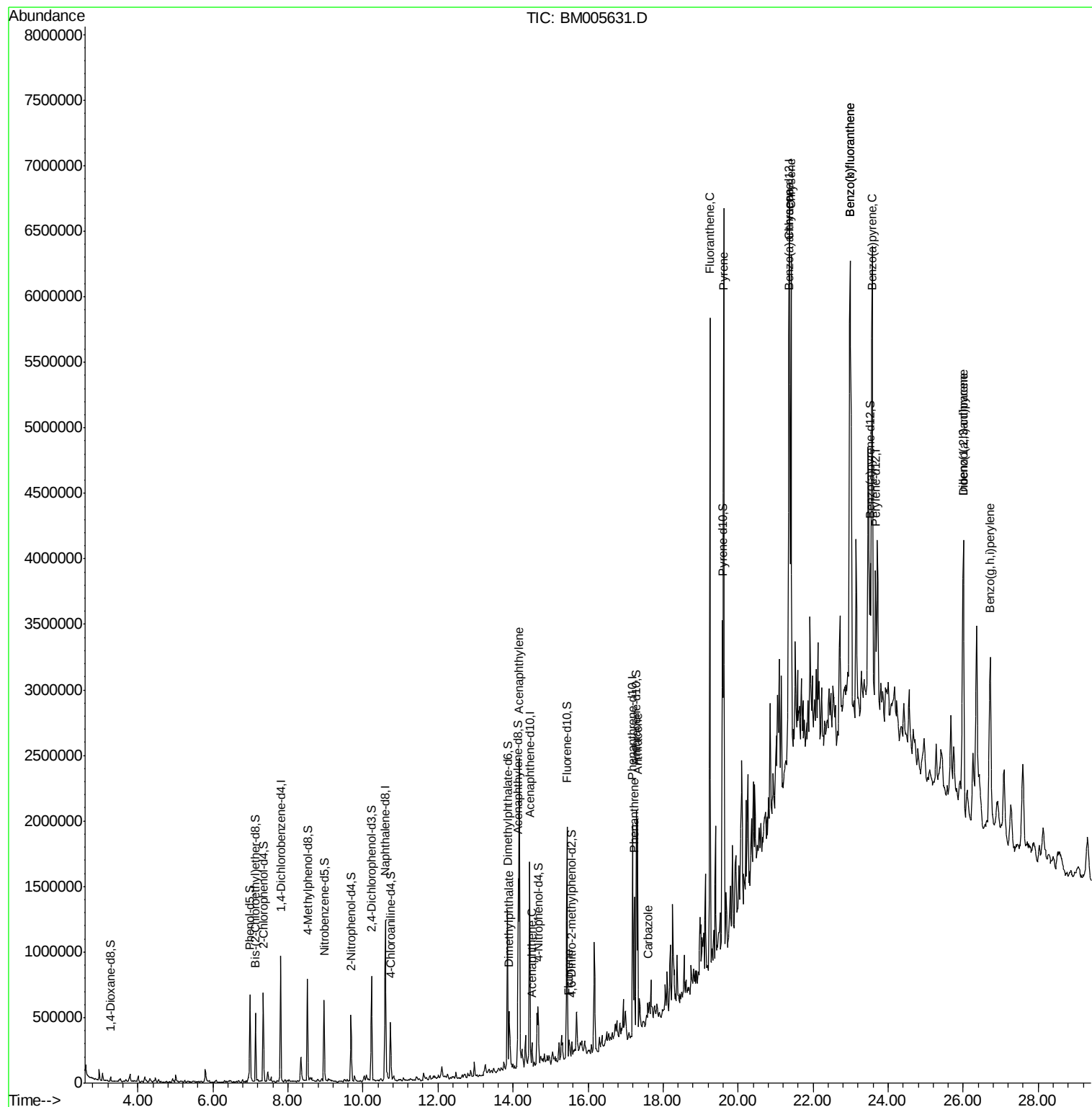
					Qvalue
44) Dimethylphthalate	13.90	163	140714	3.43 ng/ul	100
47) Acenaphthylene	14.17	152	1886416	35.79 ng/ul	99
49) Acenaphthene	14.51	153	52711	1.52 ng/ul#	92
58) Fluorene	15.49	166	84003	2.12 ng/ul#	99
69) Phenanthrene	17.23	178	662886	11.87 ng/ul	99
71) Anthracene	17.32	178	1057979	18.59 ng/ul	99
72) Carbazole	17.59	167	57554	1.17 ng/ul#	91
74) Fluoranthene	19.25	202	3211620	51.11 ng/ul	98
77) Pyrene	19.62	202	3847872	80.56 ng/ul	100
80) Benzo(a)anthracene	21.36	228	2358568	48.29 ng/ul#	88
82) Chrysene	21.41	228	2365460	50.91 ng/ul	95
85) Benzo(b)fluoranthene	22.99	252	3805077	70.07 ng/ul#	95
86) Benzo(k)fluoranthene	22.99	252	3805077	74.02 ng/ul#	96
88) Benzo(a)pyrene	23.57	252	3049667	57.89 ng/ul	96
89) Indeno(1,2,3-cd)pyrene	26.00	276	2354412	37.63 ng/ul	99
90) Dibenzo(a,h)anthracene	26.00	278	602126	11.55 ng/ul#	88
91) Benzo(g,h,i)perylene	26.72	276	1846792	35.11 ng/ul	97

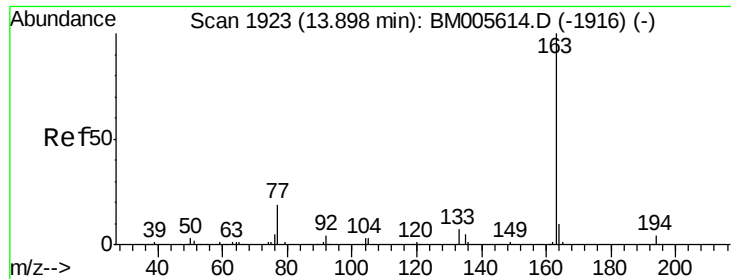
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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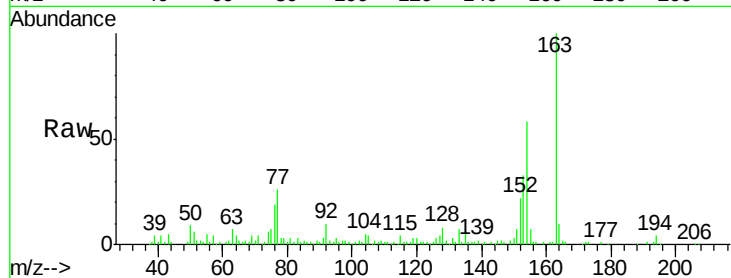




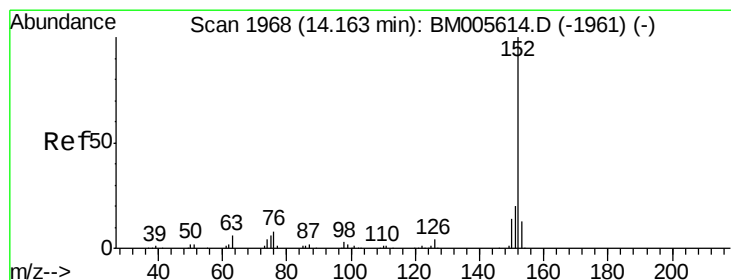
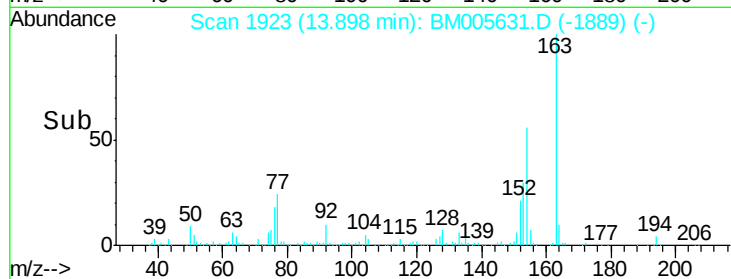
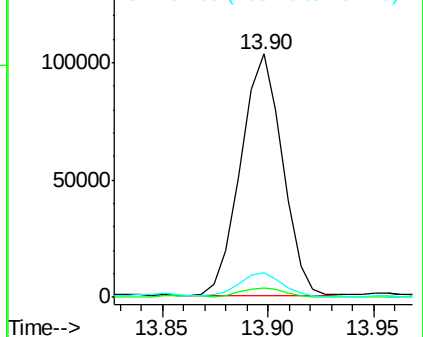
#44
Dimethylphthalate
Concen: 3.43 ng/ul
RT: 13.90 min Scan# 1923
Delta R.T. -0.00 min
Lab File: BM005631.D
Acq: 24 May 2016 04:54

Instrument :
BNA_M
ClientSampleId :
JHGF4RE

Tgt Ion:163 Resp: 140714
Ion Ratio Lower Upper
163 100
194 3.9 3.4 5.0
164 10.0 8.0 12.0

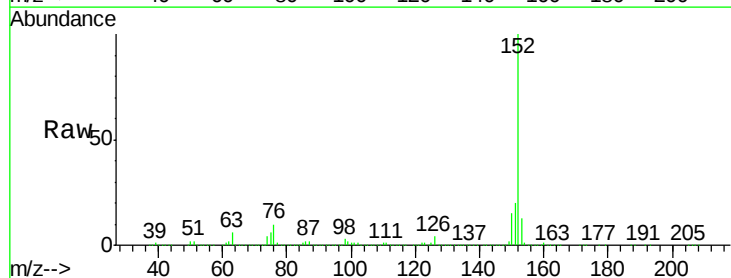


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

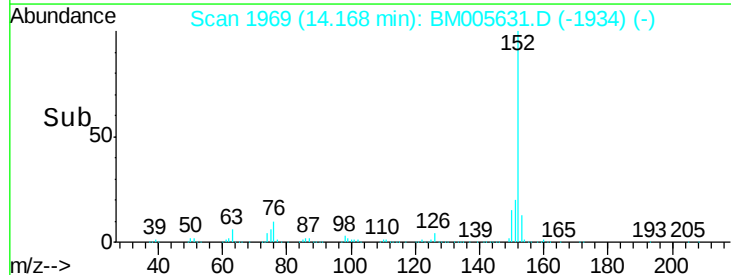
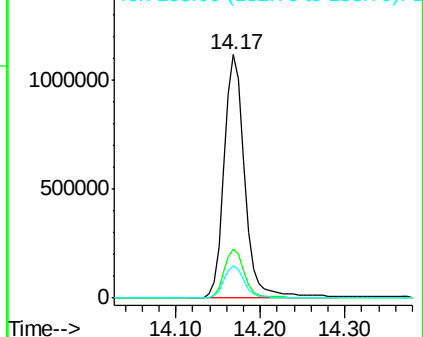


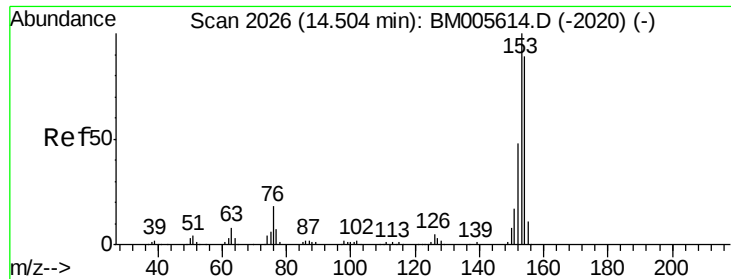
#47
Acenaphthylene
Concen: 35.79 ng/ul
RT: 14.17 min Scan# 1969
Delta R.T. 0.01 min
Lab File: BM005631.D
Acq: 24 May 2016 04:54

Tgt Ion:152 Resp: 1886416
Ion Ratio Lower Upper
152 100
151 20.3 15.7 23.5
153 13.2 10.5 15.7



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: 1.52 ng/ul

RT: 14.51 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BM005631.D

Acq: 24 May 2016 04:54

Instrument :

BNA_M

ClientSampleId :

JHGF4RE

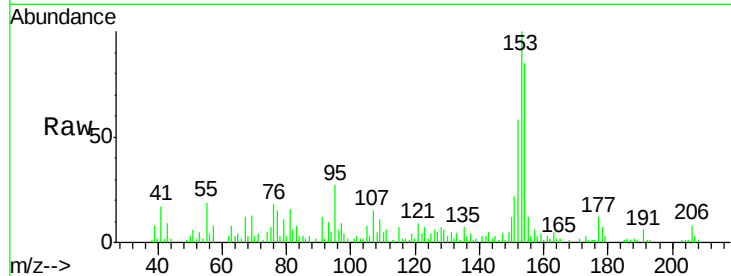
Tgt Ion:153 Resp: 52711

Ion Ratio Lower Upper

153 100

152 58.0 37.8 56.6#

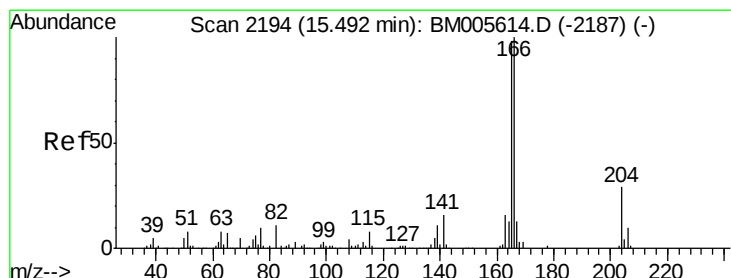
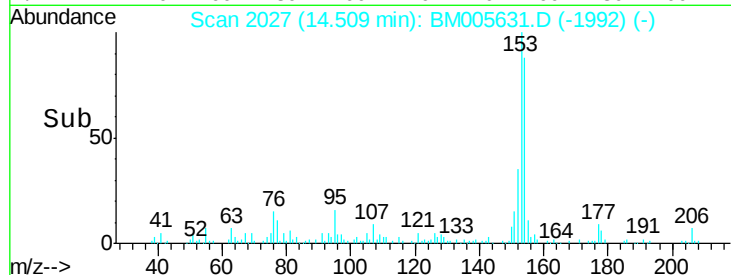
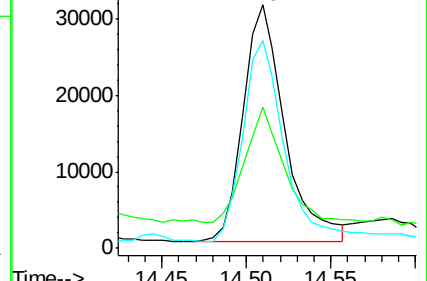
154 85.2 71.1 106.7



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



#58

Fluorene

Concen: 2.12 ng/ul

RT: 15.49 min Scan# 2194

Delta R.T. -0.00 min

Lab File: BM005631.D

Acq: 24 May 2016 04:54

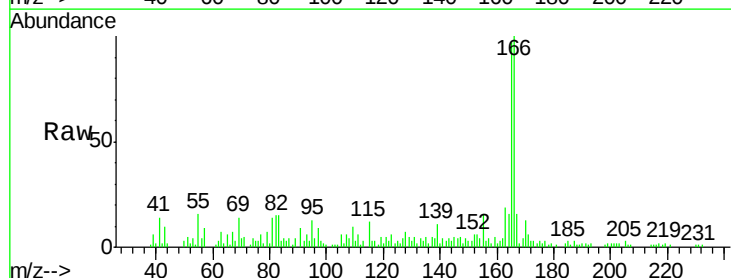
Tgt Ion:166 Resp: 84003

Ion Ratio Lower Upper

166 100

165 97.2 78.0 117.0

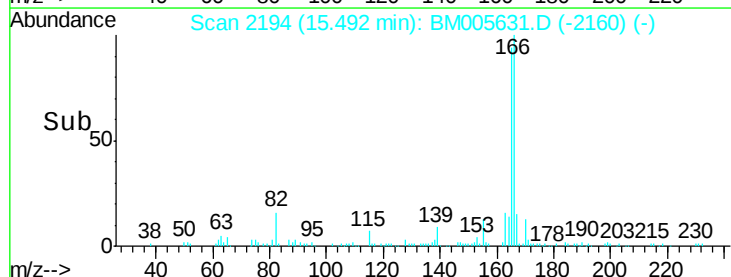
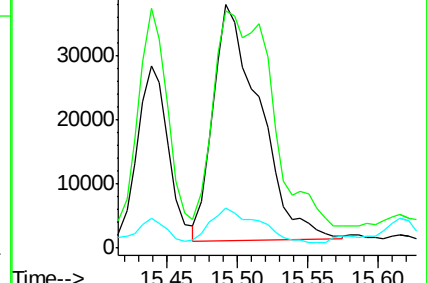
167 16.3 10.5 15.7#

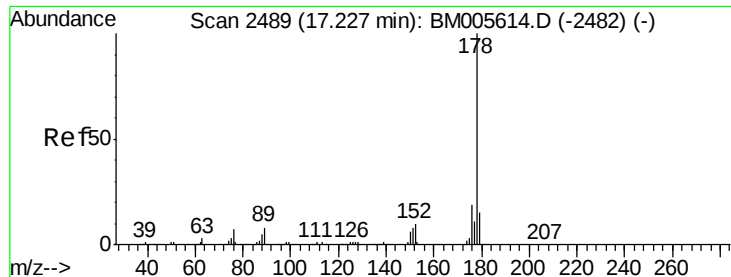


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 11.87 ng/ul

RT: 17.23 min Scan# 2490

Delta R.T. 0.01 min

Lab File: BM005631.D

Acq: 24 May 2016 04:54

Instrument :

BNA_M

ClientSampleId :

JHGF4RE

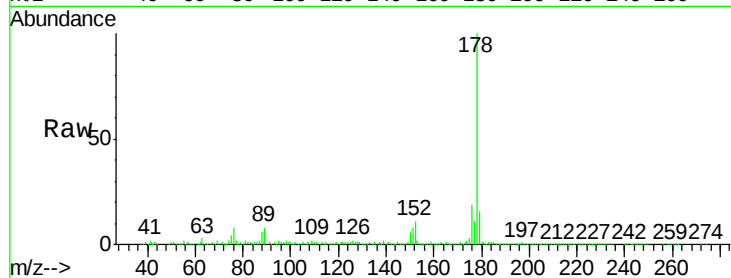
Tgt Ion:178 Resp: 662886

Ion Ratio Lower Upper

178 100

179 15.9 12.2 18.2

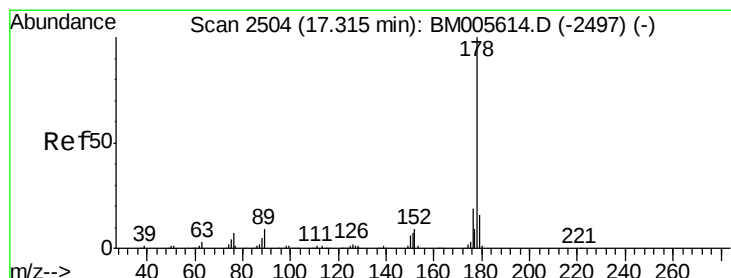
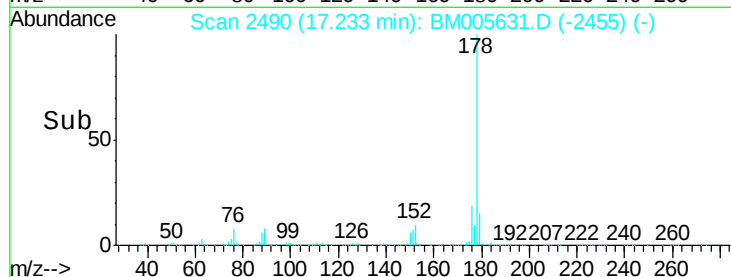
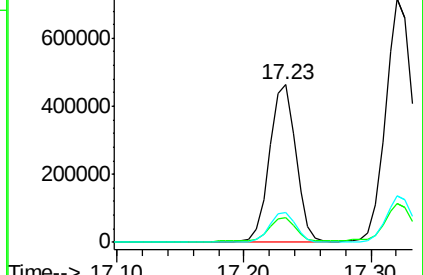
176 19.2 15.8 23.6



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: 18.59 ng/ul

RT: 17.32 min Scan# 2505

Delta R.T. 0.01 min

Lab File: BM005631.D

Acq: 24 May 2016 04:54

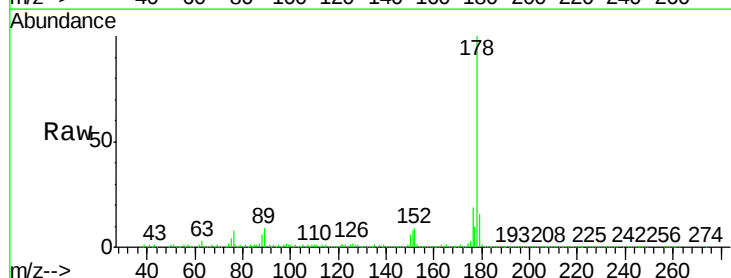
Tgt Ion:178 Resp: 1057979

Ion Ratio Lower Upper

178 100

179 16.1 12.6 18.8

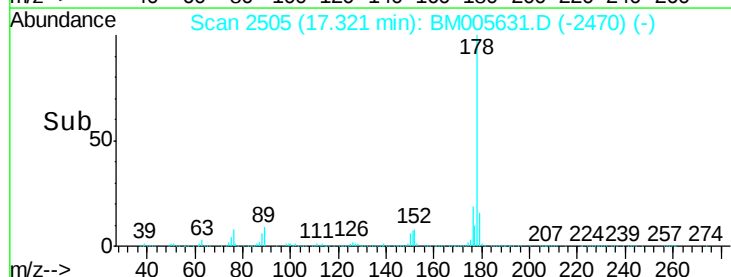
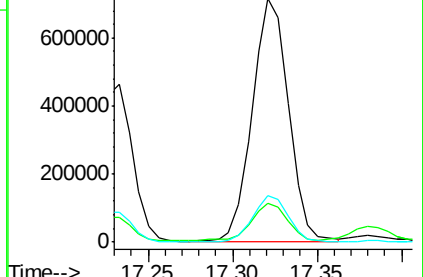
176 18.9 15.0 22.4

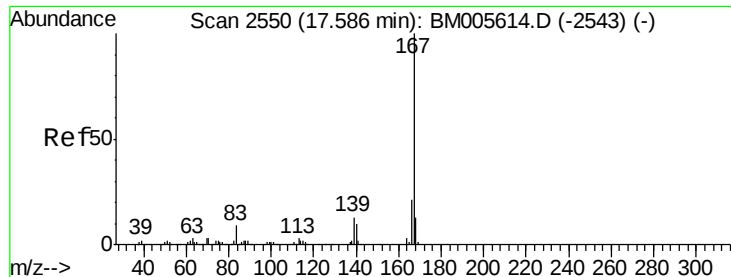


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 1.17 ng/ul

RT: 17.59 min Scan# 2551

Delta R.T. 0.01 min

Lab File: BM005631.D

Acq: 24 May 2016 04:54

Instrument :

BNA_M

ClientSampleId :

JHGF4RE

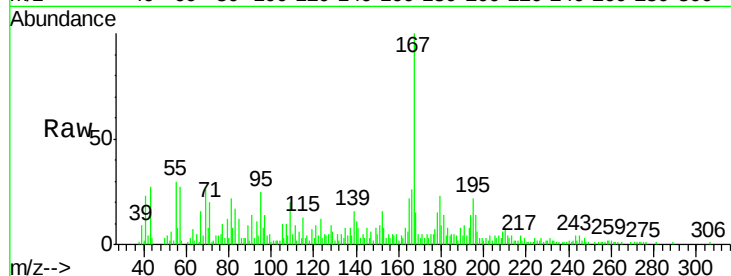
Tgt Ion:167 Resp: 57554

Ion Ratio Lower Upper

167 100

166 26.1 16.9 25.3#

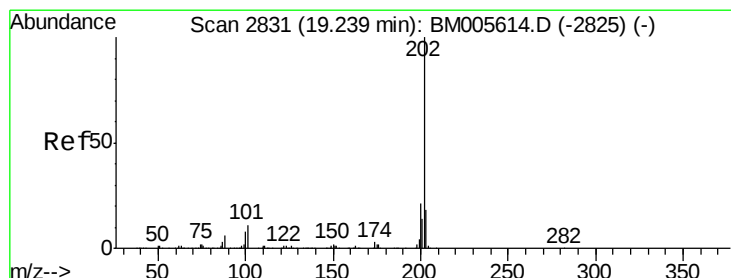
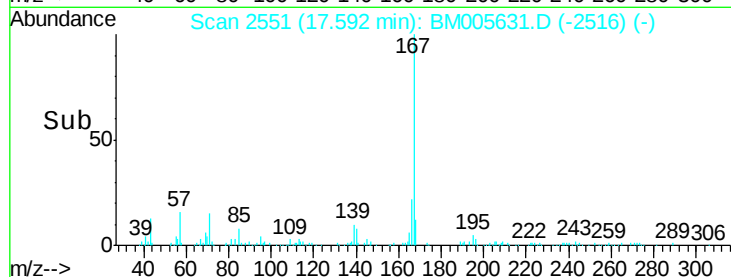
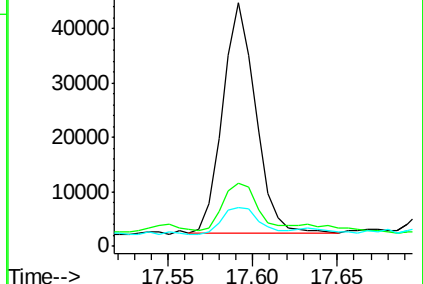
139 16.0 10.6 16.0#



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: 51.11 ng/ul

RT: 19.25 min Scan# 2833

Delta R.T. 0.01 min

Lab File: BM005631.D

Acq: 24 May 2016 04:54

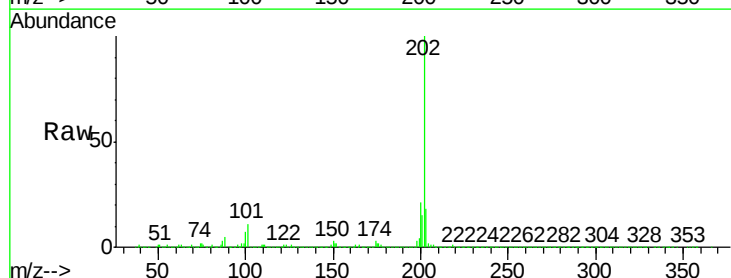
Tgt Ion:202 Resp: 3211620

Ion Ratio Lower Upper

202 100

101 10.5 7.9 11.9

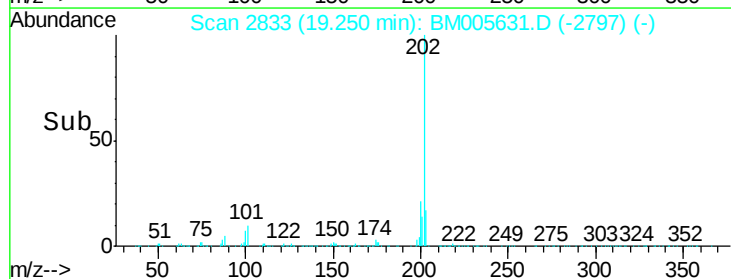
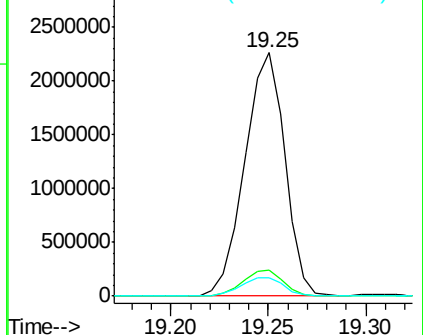
100 7.5 5.6 8.4

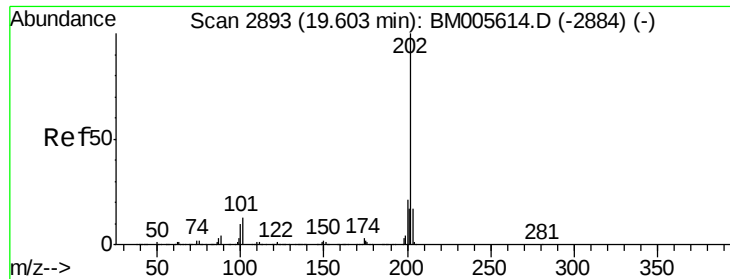


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 80.56 ng/ul

RT: 19.62 min Scan# 2895

Delta R.T. 0.01 min

Lab File: BM005631.D

Acq: 24 May 2016 04:54

Instrument :

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ClientSampleId :

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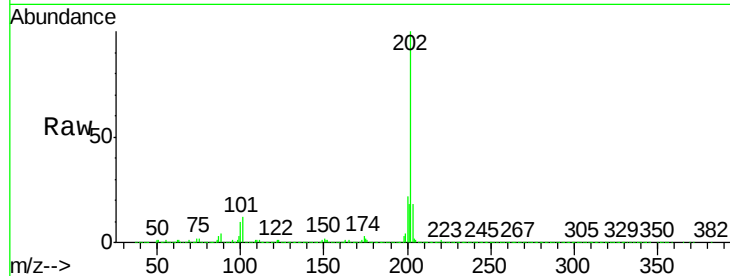
Tgt Ion:202 Resp: 3847872

Ion Ratio Lower Upper

202 100

101 12.1 9.6 14.4

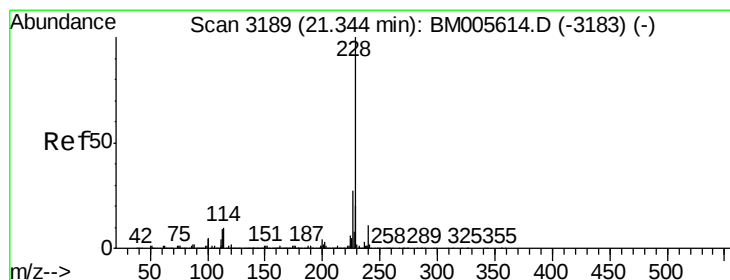
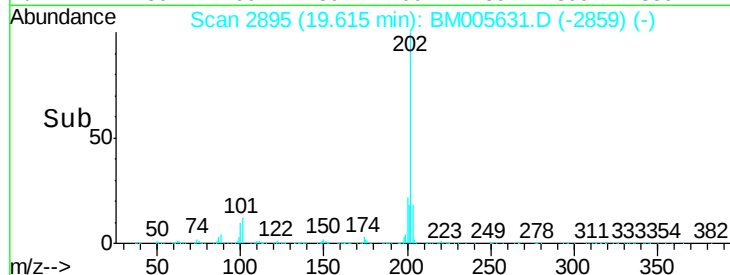
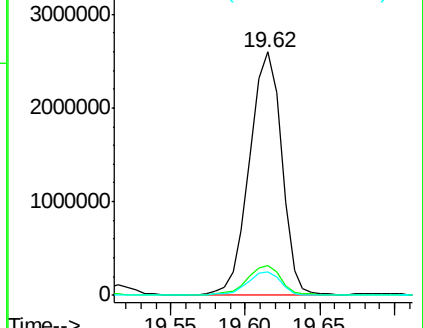
100 9.5 7.8 11.6



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: 48.29 ng/ul

RT: 21.36 min Scan# 3191

Delta R.T. 0.01 min

Lab File: BM005631.D

Acq: 24 May 2016 04:54

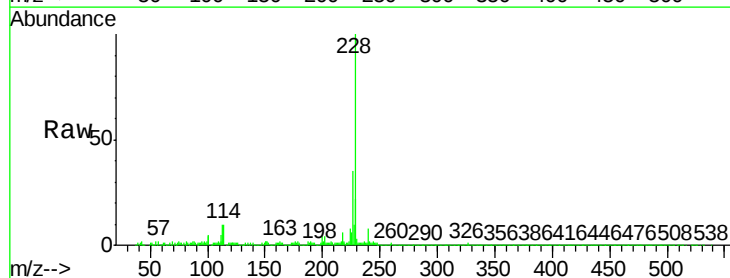
Tgt Ion:228 Resp: 2358568

Ion Ratio Lower Upper

228 100

229 21.6 15.4 23.2

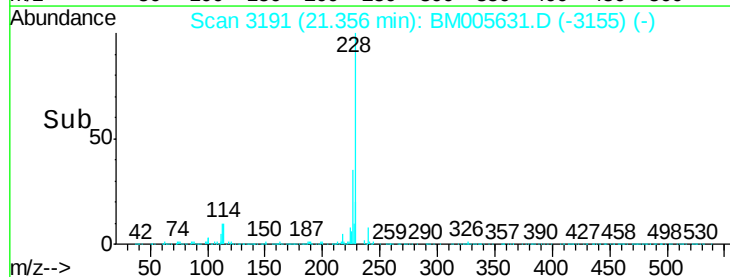
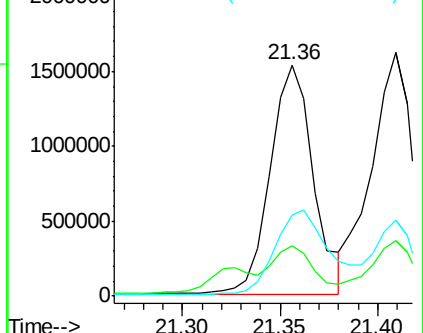
226 35.3 21.0 31.4#

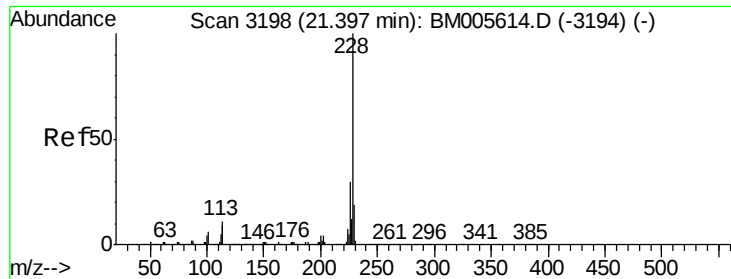


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 50.91 ng/ul

RT: 21.41 min Scan# 3200

Delta R.T. 0.01 min

Lab File: BM005631.D

Acq: 24 May 2016 04:54

Instrument :

BNA_M

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JHGF4RE

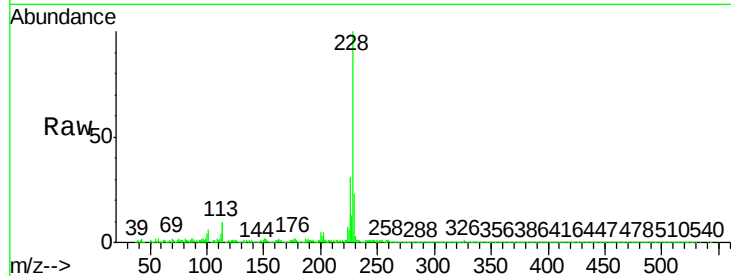
Tgt Ion:228 Resp: 2365460

Ion Ratio Lower Upper

228 100

226 31.4 23.7 35.5

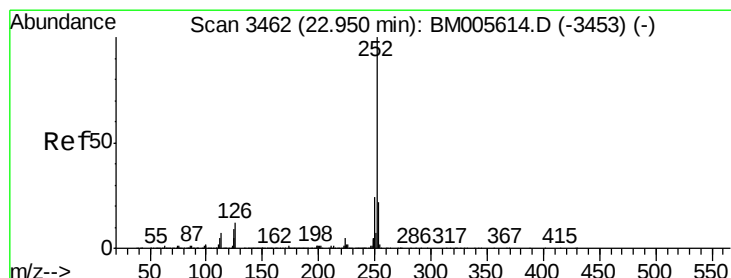
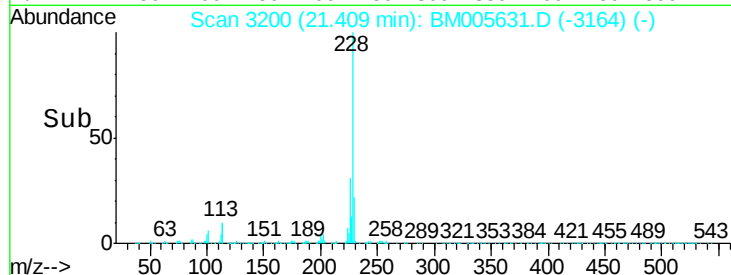
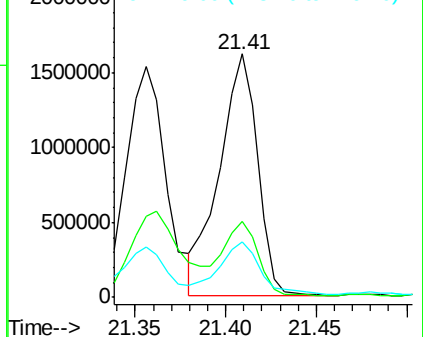
229 22.6 15.5 23.3



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: 70.07 ng/ul

RT: 22.99 min Scan# 3468

Delta R.T. 0.04 min

Lab File: BM005631.D

Acq: 24 May 2016 04:54

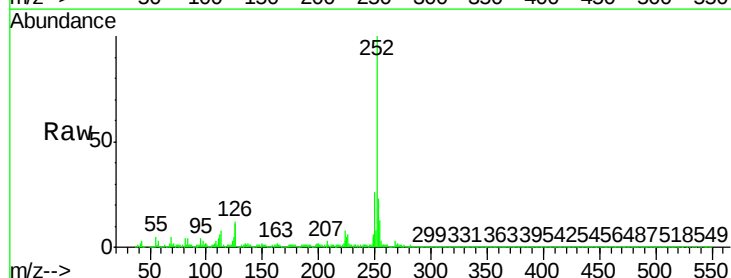
Tgt Ion:252 Resp: 3805077

Ion Ratio Lower Upper

252 100

253 23.5 17.3 25.9

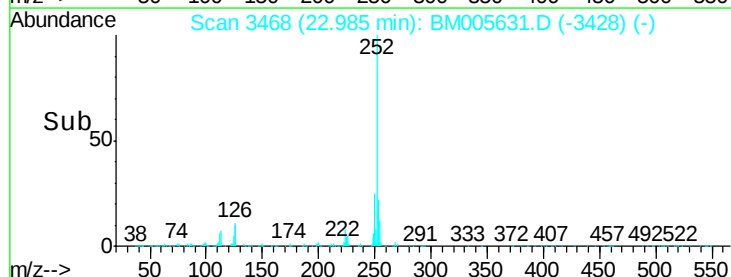
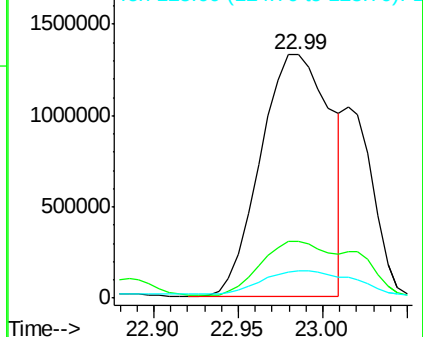
125 11.2 7.0 10.4#

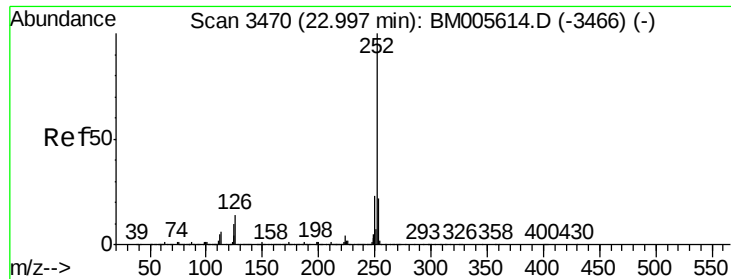


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

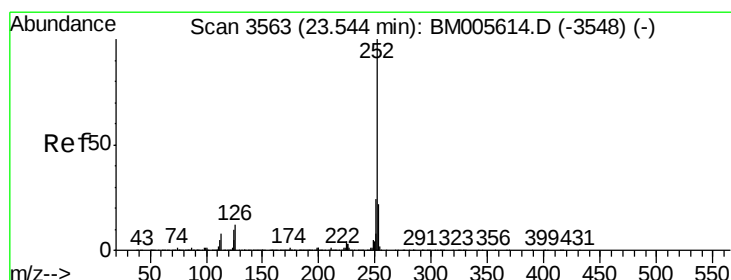
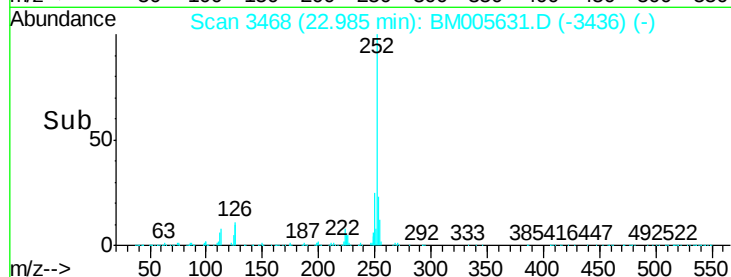
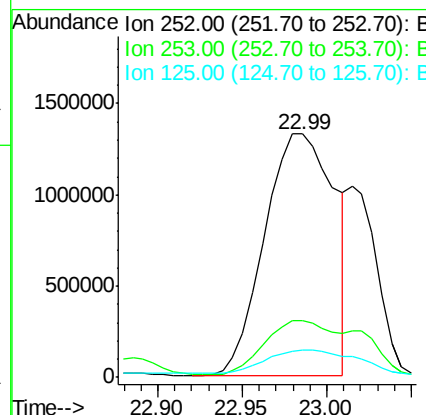
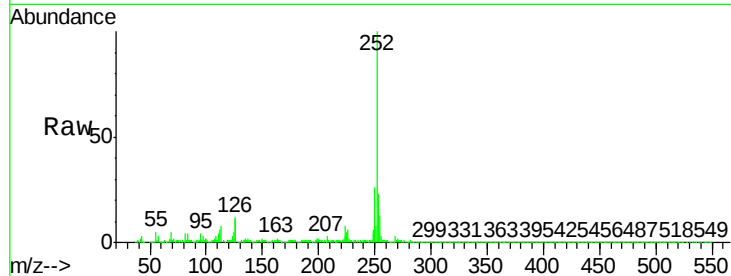




#86
Benzo(k)fluoranthene
Concen: 74.02 ng/ul
RT: 22.99 min Scan# 3468
Delta R.T. -0.01 min
Lab File: BM005631.D
Acq: 24 May 2016 04:54

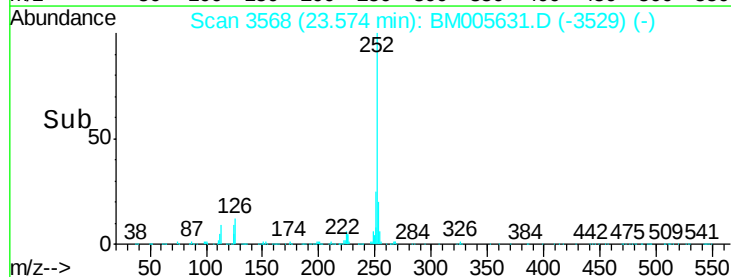
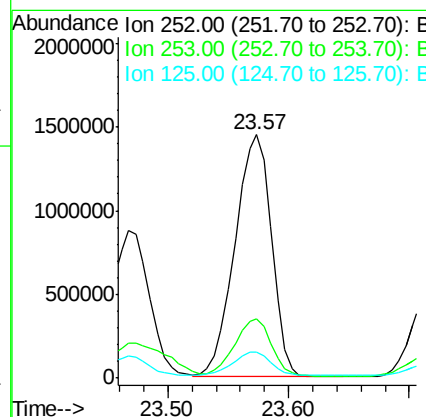
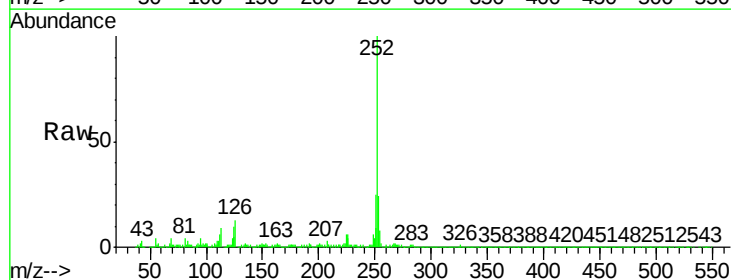
Instrument :
BNA_M
ClientSampleId :
JHGF4RE

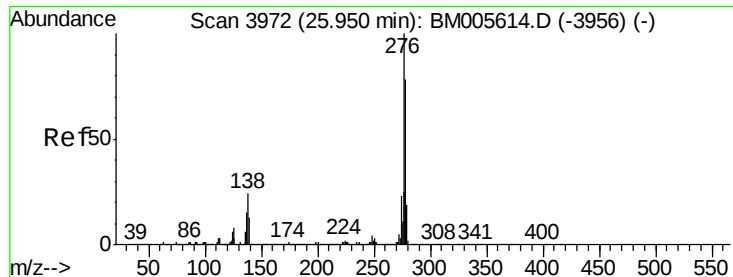
Tgt Ion:252 Resp: 3805077
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 11.2 7.0 10.6#



#88
Benzo(a)pyrene
Concen: 57.89 ng/ul
RT: 23.57 min Scan# 3568
Delta R.T. 0.03 min
Lab File: BM005631.D
Acq: 24 May 2016 04:54

Tgt Ion:252 Resp: 3049667
Ion Ratio Lower Upper
252 100
253 24.1 17.6 26.4
125 10.5 7.6 11.4





#89

Indeno(1,2,3-cd)pyrene

Concen: 37.63 ng/ul

RT: 26.00 min Scan# 3981

Delta R.T. 0.05 min

Lab File: BM005631.D

Acq: 24 May 2016 04:54

Instrument :

BNA_M

ClientSampleId :

JHGF4RE

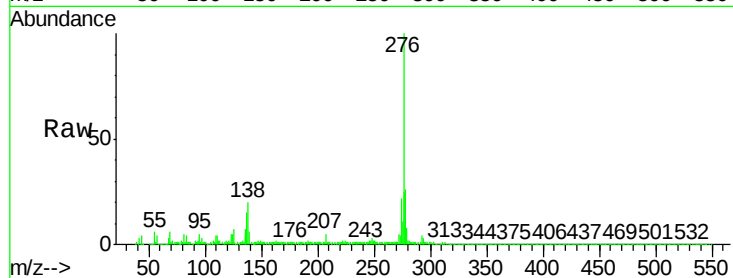
Tgt Ion:276 Resp: 2354412

Ion Ratio Lower Upper

276 100

138 19.9 16.9 25.3

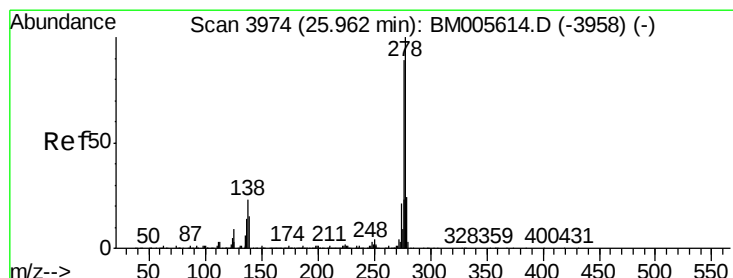
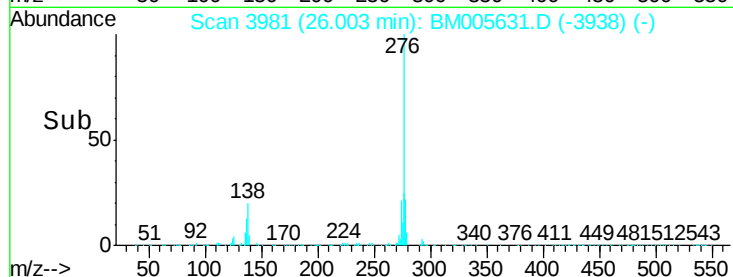
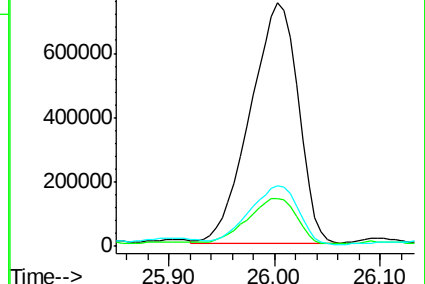
277 25.1 20.2 30.4



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



#90

Dibenzo(a,h)anthracene

Concen: 11.55 ng/ul

RT: 26.00 min Scan# 3981

Delta R.T. 0.04 min

Lab File: BM005631.D

Acq: 24 May 2016 04:54

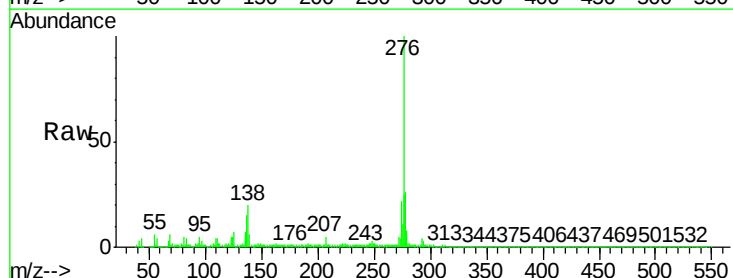
Tgt Ion:278 Resp: 602126

Ion Ratio Lower Upper

278 100

139 21.3 11.8 17.6#

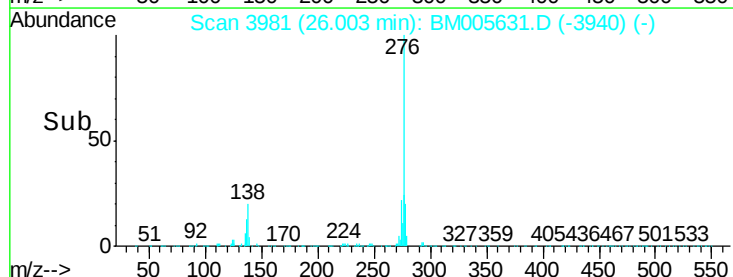
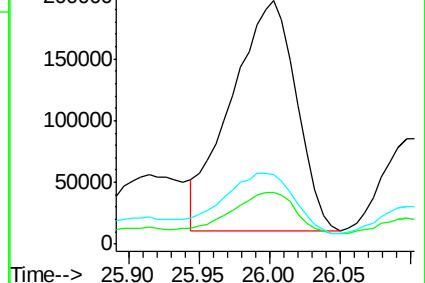
279 28.8 19.4 29.2

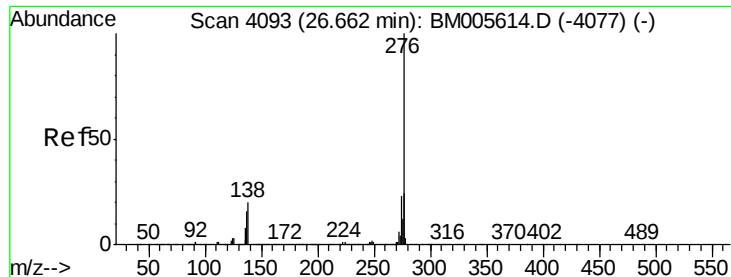


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 35.11 ng/ul

RT: 26.72 min Scan# 4103

Delta R.T. 0.06 min

Lab File: BM005631.D

Acq: 24 May 2016 04:54

Instrument :

BNA_M

ClientSampleId :

JHGF4RE

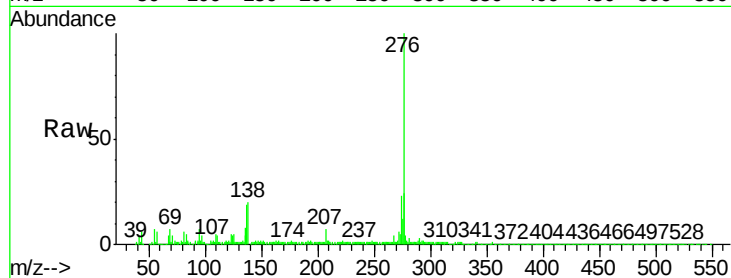
Tgt Ion:276 Resp: 1846792

Ion Ratio Lower Upper

276 100

138 20.3 15.0 22.6

277 24.5 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

