

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
 Data File : BM005624.D
 Acq On : 24 May 2016 00:12
 Operator : UM/SJ
 Sample : H3087-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGK2

Quant Time: May 24 06:57:47 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	151018	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	708819	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	398687	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.18	188	878188	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	925485	20.00	ng/ul	0.00
83) Perylene-d12	23.63	264	943296	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	9381	2.72	ng/uL	0.00
5) Phenol-d5	6.97	99	201741	16.30	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	122483	17.07	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	167313	16.20	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	161573	15.93	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	82234	15.17	ng/ul	0.00
22) 2-Nitrophenol-d4	9.67	143	89481	15.00	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	161824	14.40	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	160985	14.31	ng/ul	0.00
43) Dimethylphthalate-d6	13.84	166	494305	15.19	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	629819	15.48	ng/ul	0.00
51) 4-Nitrophenol-d4	14.65	143	74627	12.12	ng/ul	0.00
57) Fluorene-d10	15.43	176	444121	15.68	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	37195	7.36	ng/ul	0.00
70) Anthracene-d10	17.27	188	662291	15.83	ng/ul	0.00
76) Pyrene-d10	19.57	212	708910	16.91	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.49	264	689833	15.66	ng/ul	-0.01

Target Compounds

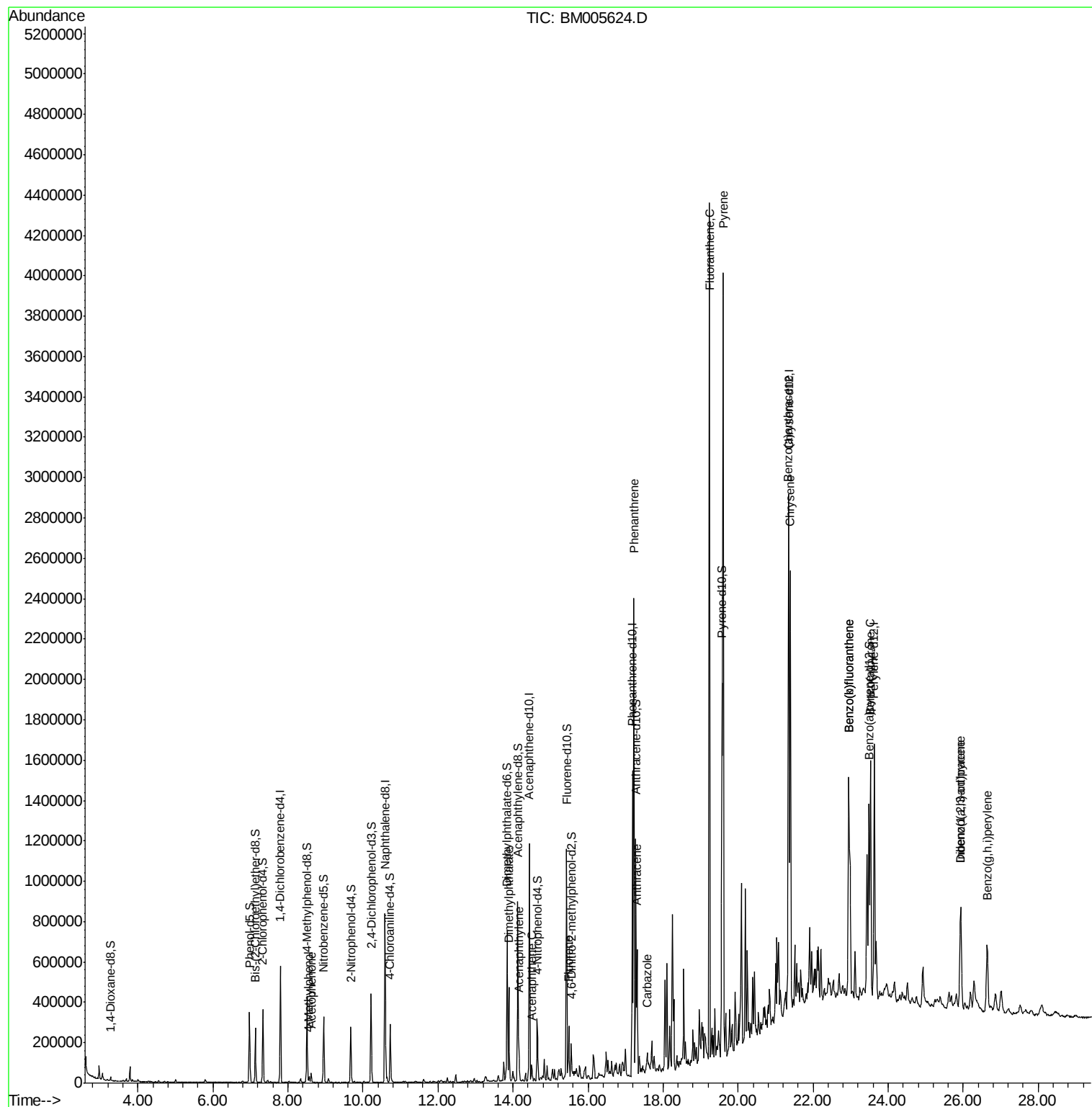
					Qvalue
14) Acetophenone	8.62	105	23660	1.55 ng/ul	96
16) 4-Methylphenol	8.56	108	10827	1.03 ng/ul	86
44) Dimethylphthalate	13.89	163	276305	8.59 ng/ul	99
47) Acenaphthylene	14.16	152	122475	2.96 ng/ul	99
49) Acenaphthene	14.50	153	32408	1.19 ng/ul	98
58) Fluorene	15.49	166	114073	3.66 ng/ul	97
69) Phenanthrene	17.22	178	1435651	29.25 ng/ul	99
71) Anthracene	17.31	178	386357	7.72 ng/ul	99
72) Carbazole	17.58	167	47187	1.09 ng/ul	97
74) Fluoranthene	19.24	202	2653792	48.04 ng/ul	97
77) Pyrene	19.60	202	2504119	47.07 ng/ul	99
80) Benzo(a)anthracene	21.34	228	923596	16.98 ng/ul	95
82) Chrysene	21.39	228	1153984	22.30 ng/ul	97
85) Benzo(b)fluoranthene	22.95	252	1103137	19.83 ng/ul	97
86) Benzo(k)fluoranthene	22.95	252	1103137	20.95 ng/ul	97
88) Benzo(a)pyrene	23.53	252	851503	15.78 ng/ul	98
89) Indeno(1,2,3-cd)pyrene	25.93	276	463802	7.23 ng/ul	98
90) Dibenzo(a,h)anthracene	25.93	278	109692	2.05 ng/ul#	82
91) Benzo(g,h,i)perylene	26.64	276	416636	7.73 ng/ul	95

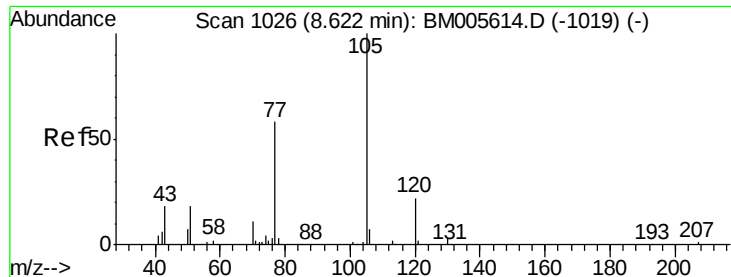
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#14

Acetophenone

Concen: 1.55 ng/ul

RT: 8.62 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BM005624.D

Acq: 24 May 2016 00:12

Instrument :

BNA_M

ClientSampleId :

JHKG2

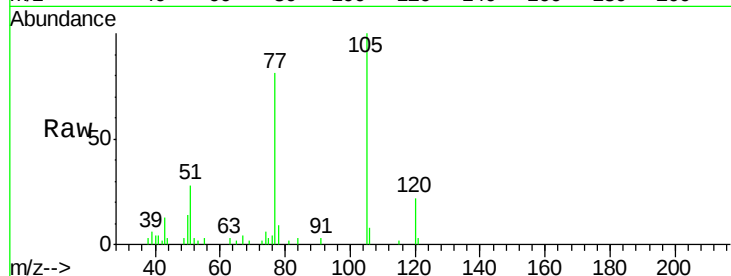
Tgt Ion:105 Resp: 23660

Ion Ratio Lower Upper

105 100

77 80.5 60.8 91.2

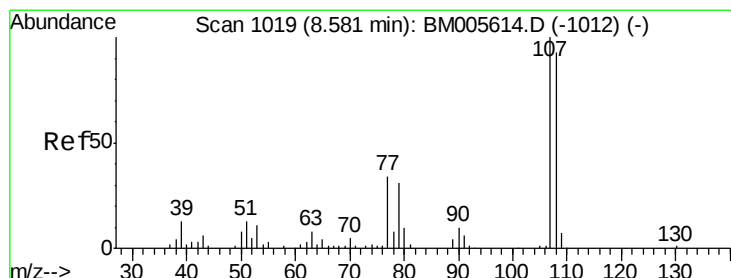
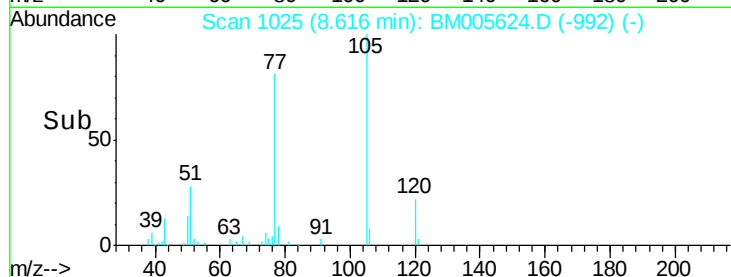
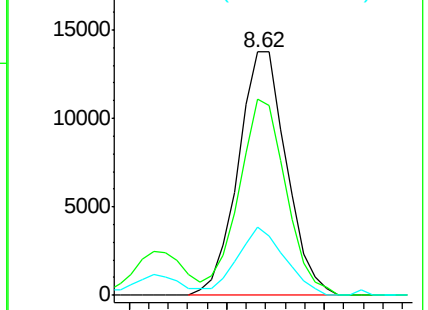
51 28.2 22.2 33.2



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



#16

4-Methylphenol

Concen: 1.03 ng/ul

RT: 8.56 min Scan# 1016

Delta R.T. -0.02 min

Lab File: BM005624.D

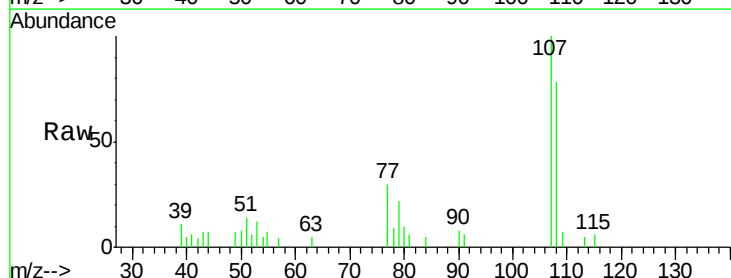
Acq: 24 May 2016 00:12

Tgt Ion:108 Resp: 10827

Ion Ratio Lower Upper

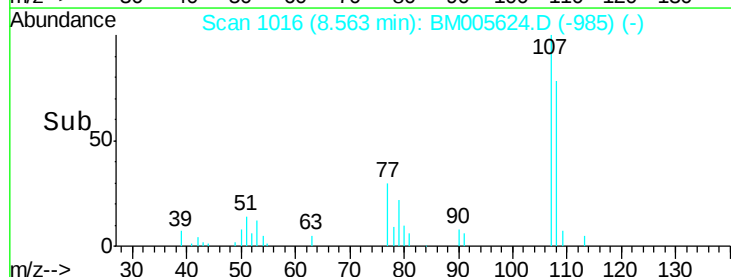
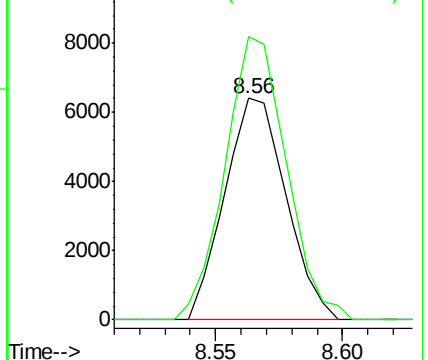
108 100

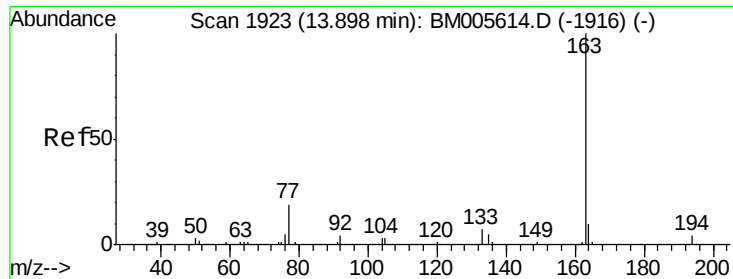
107 127.7 90.3 135.5



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E





#44

Dimethylphthalate

Concen: 8.59 ng/ul

RT: 13.89 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BM005624.D

Acq: 24 May 2016 00:12

Instrument :

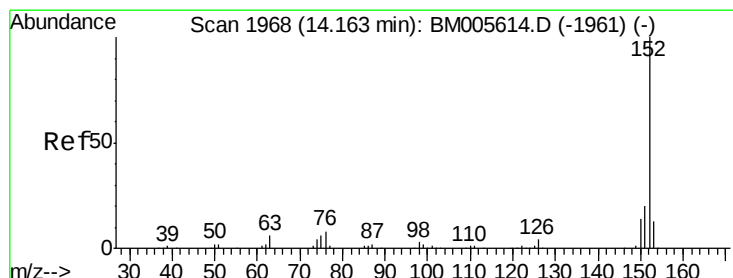
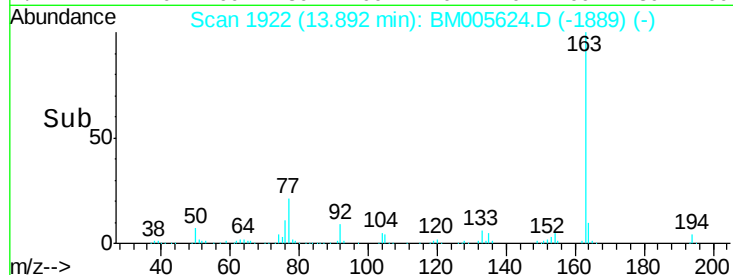
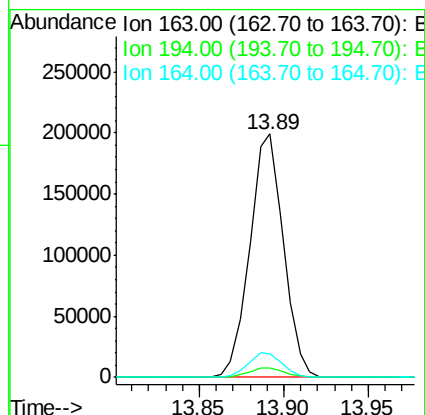
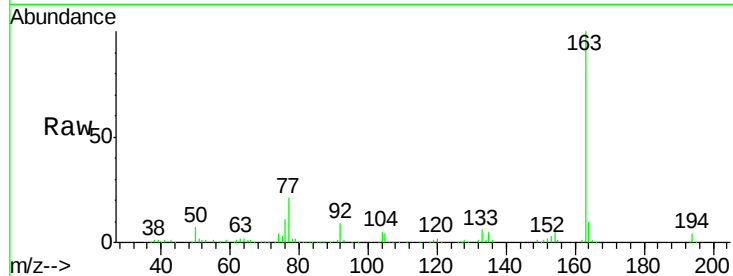
BNA_M

ClientSampleId :

JHGK2

Tgt Ion:163 Resp: 276305

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	9.8	8.0	12.0



#47

Acenaphthylene

Concen: 2.96 ng/ul

RT: 14.16 min Scan# 1967

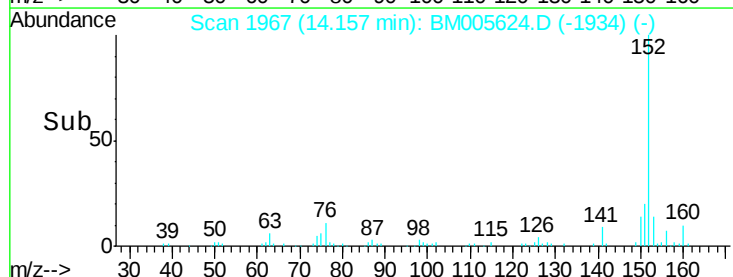
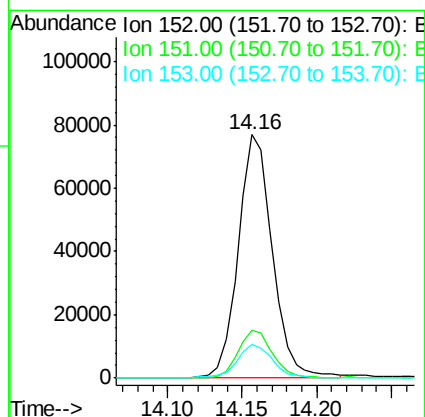
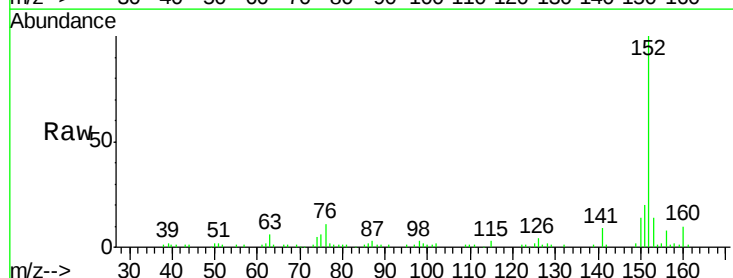
Delta R.T. -0.01 min

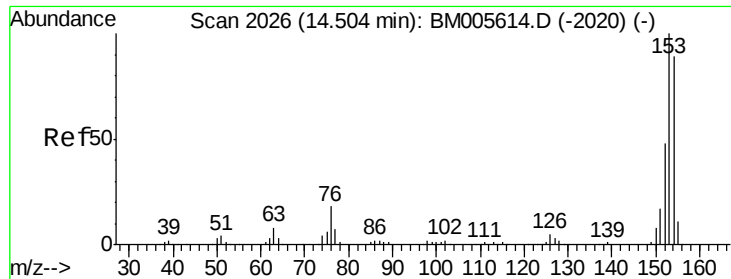
Lab File: BM005624.D

Acq: 24 May 2016 00:12

Tgt Ion:152 Resp: 122475

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	13.9	10.5	15.7





#49

Acenaphthene

Concen: 1.19 ng/ul

RT: 14.50 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BM005624.D

Acq: 24 May 2016 00:12

Instrument :

BNA_M

ClientSampleId :

JHGK2

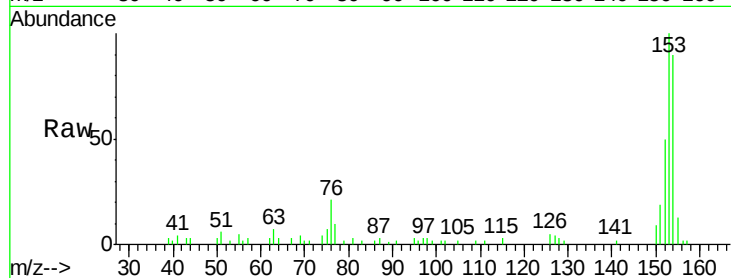
Tgt Ion:153 Resp: 32408

Ion Ratio Lower Upper

153 100

152 50.0 37.8 56.6

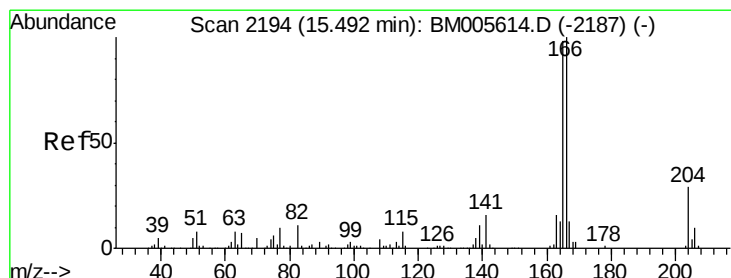
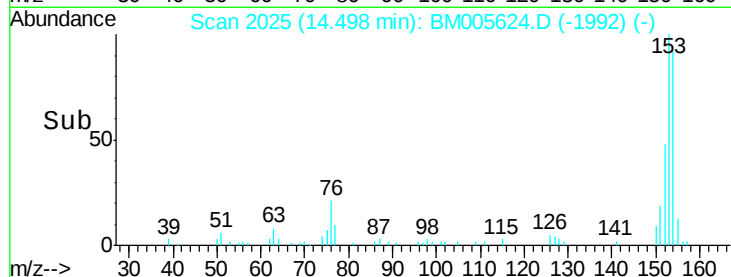
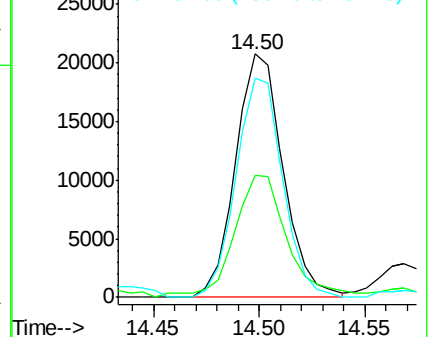
154 90.3 71.1 106.7



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: 3.66 ng/ul

RT: 15.49 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BM005624.D

Acq: 24 May 2016 00:12

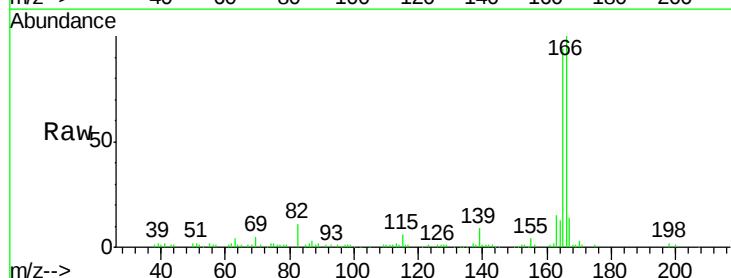
Tgt Ion:166 Resp: 114073

Ion Ratio Lower Upper

166 100

165 94.3 78.0 117.0

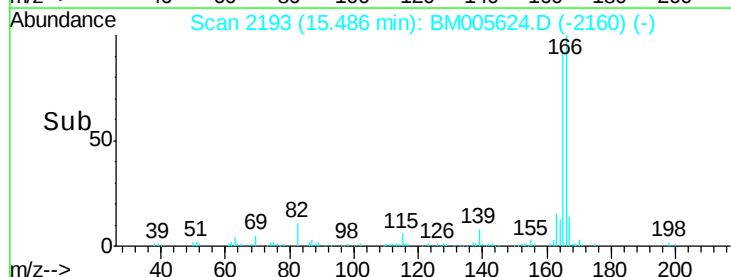
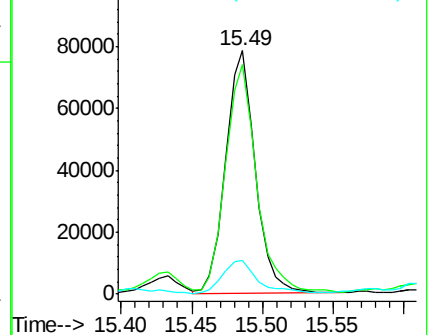
167 13.6 10.5 15.7

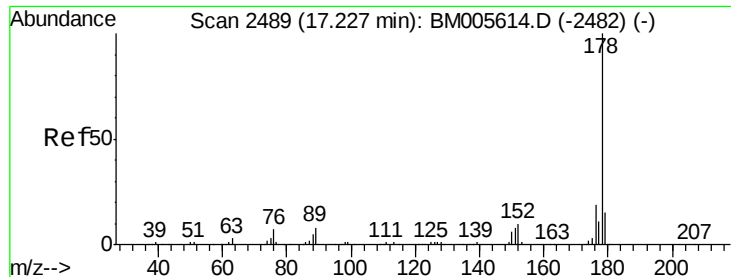


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 29.25 ng/ul

RT: 17.22 min Scan# 2488

Delta R.T. -0.01 min

Lab File: BM005624.D

Acq: 24 May 2016 00:12

Instrument :

BNA_M

ClientSampleId :

JHGK2

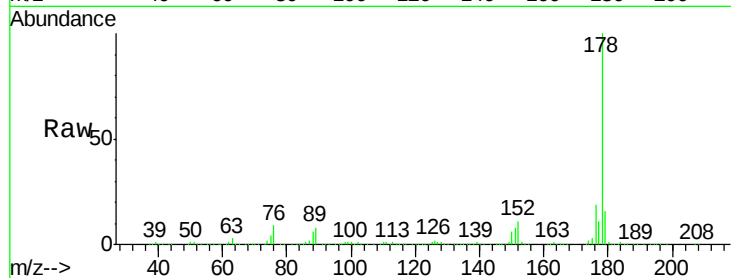
Tgt Ion:178 Resp: 1435651

Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.2

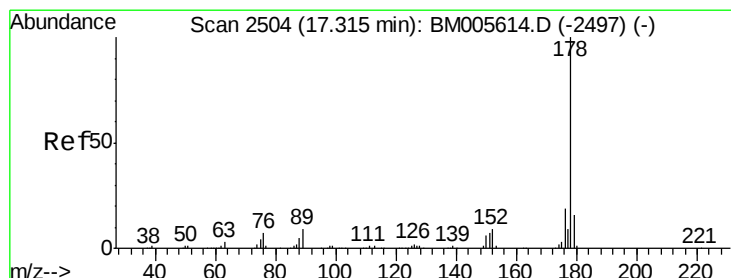
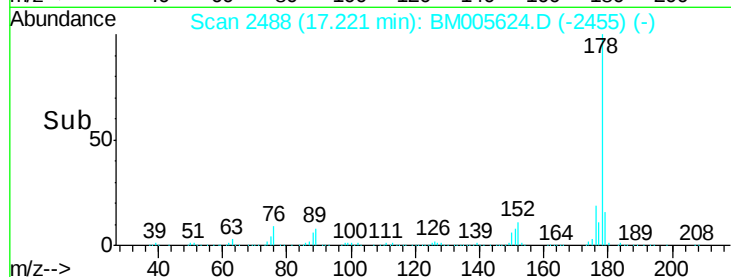
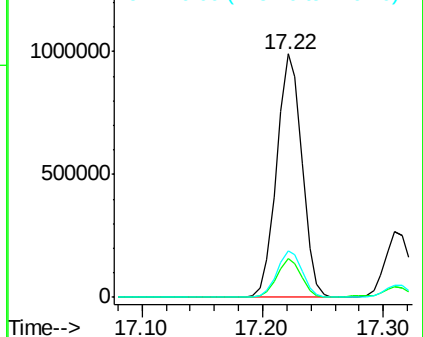
176 19.2 15.8 23.6



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: 7.72 ng/ul

RT: 17.31 min Scan# 2503

Delta R.T. -0.01 min

Lab File: BM005624.D

Acq: 24 May 2016 00:12

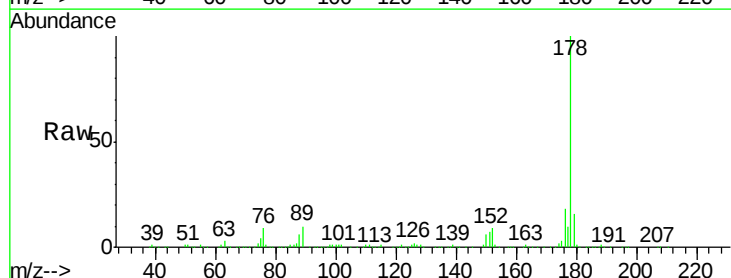
Tgt Ion:178 Resp: 386357

Ion Ratio Lower Upper

178 100

179 15.5 12.6 18.8

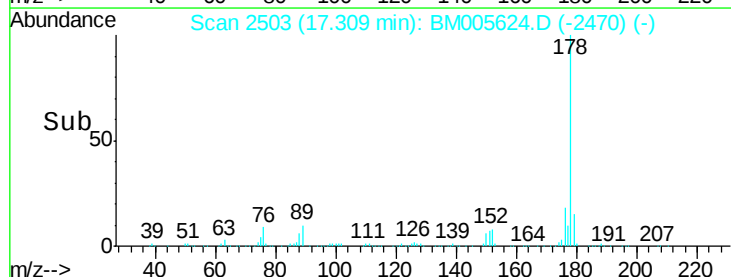
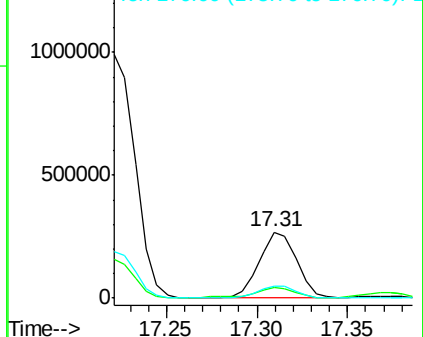
176 18.1 15.0 22.4

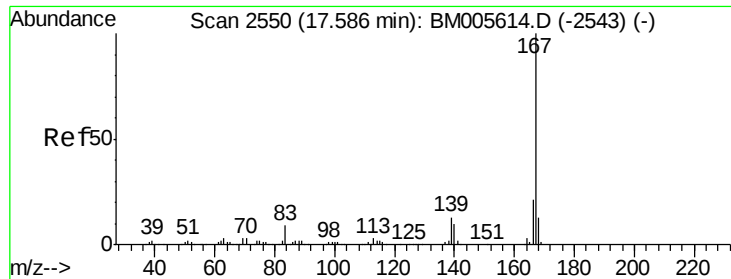


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 1.09 ng/ul

RT: 17.58 min Scan# 2549

Delta R.T. -0.01 min

Lab File: BM005624.D

Acq: 24 May 2016 00:12

Instrument :

BNA_M

ClientSampleId :

JHGK2

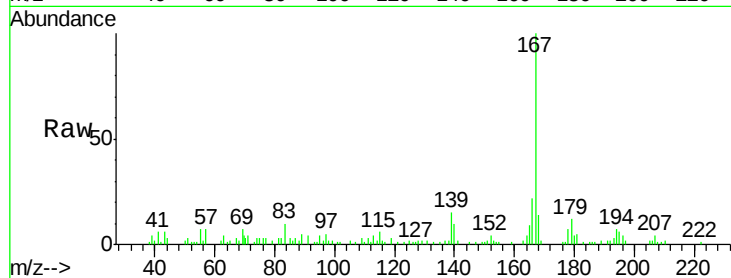
Tgt Ion:167 Resp: 47187

Ion Ratio Lower Upper

167 100

166 22.0 16.9 25.3

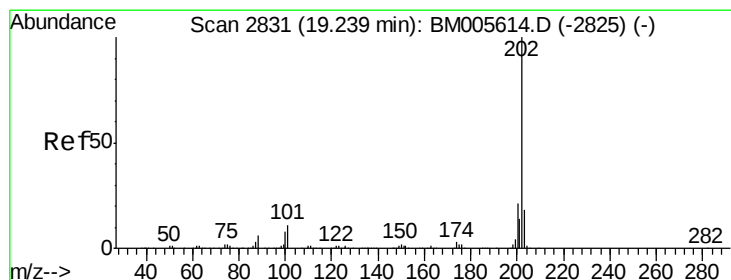
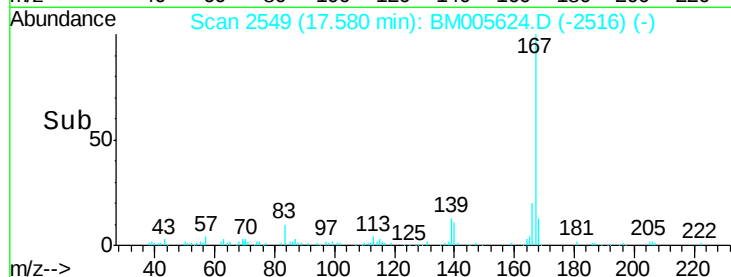
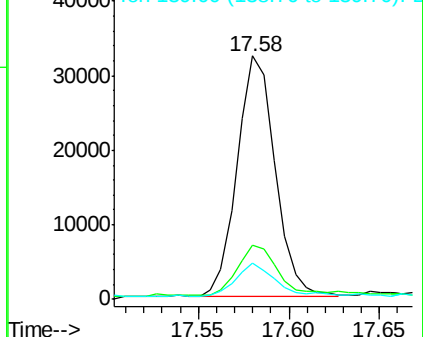
139 14.7 10.6 16.0



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: 48.04 ng/ul

RT: 19.24 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BM005624.D

Acq: 24 May 2016 00:12

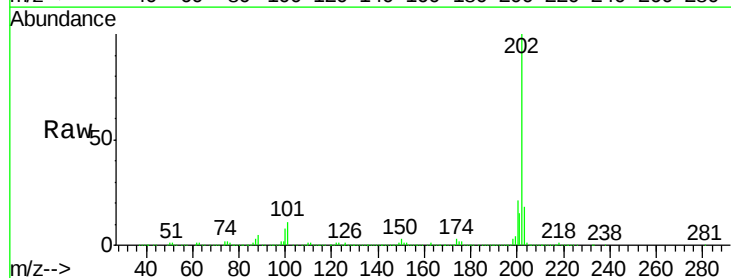
Tgt Ion:202 Resp: 2653792

Ion Ratio Lower Upper

202 100

101 11.0 7.9 11.9

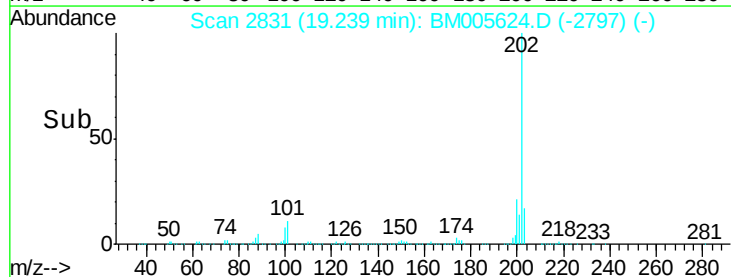
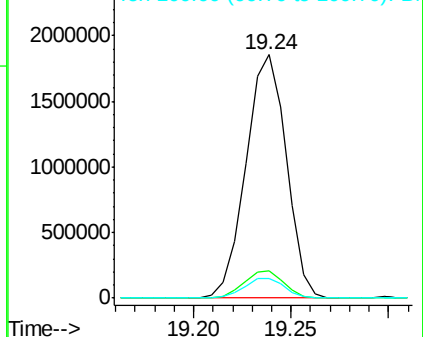
100 8.1 5.6 8.4

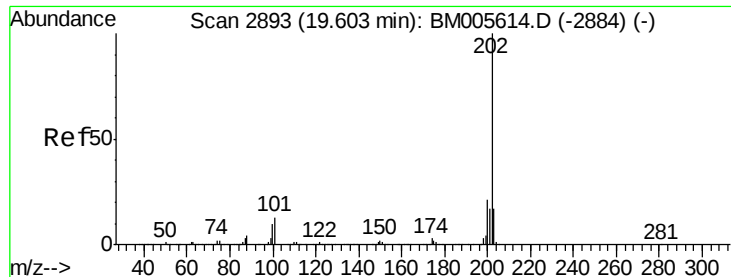


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 47.07 ng/ul

RT: 19.60 min Scan# 2893

Delta R.T. -0.00 min

Lab File: BM005624.D

Acq: 24 May 2016 00:12

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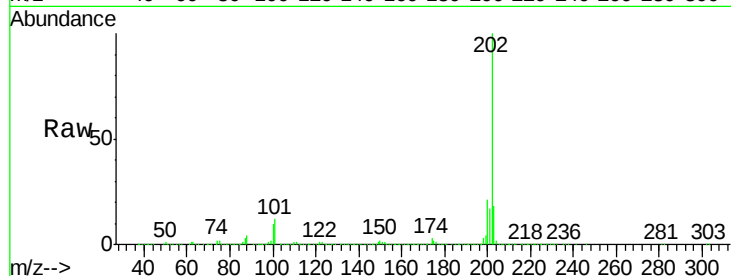
Tgt Ion:202 Resp: 2504119

Ion Ratio Lower Upper

202 100

101 12.4 9.6 14.4

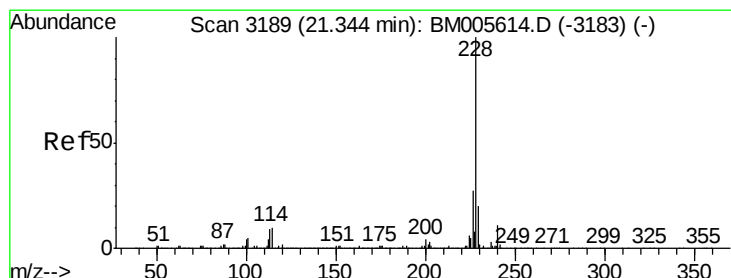
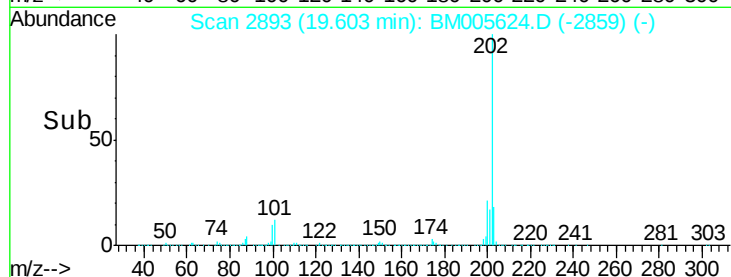
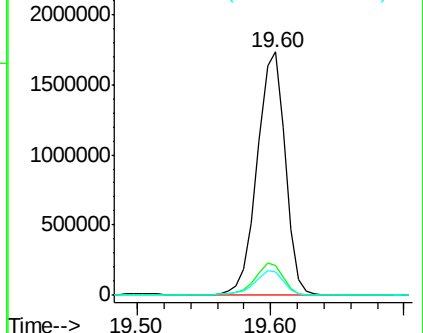
100 9.9 7.8 11.6



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: 16.98 ng/ul

RT: 21.34 min Scan# 3188

Delta R.T. -0.01 min

Lab File: BM005624.D

Acq: 24 May 2016 00:12

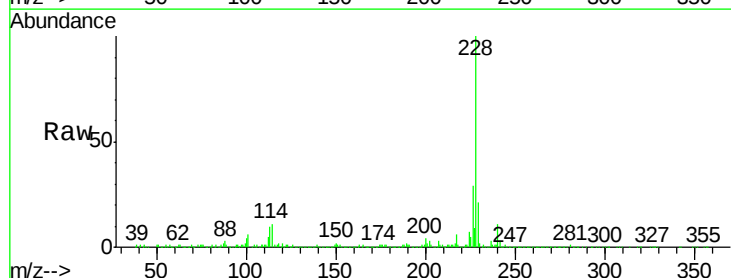
Tgt Ion:228 Resp: 923596

Ion Ratio Lower Upper

228 100

229 21.1 15.4 23.2

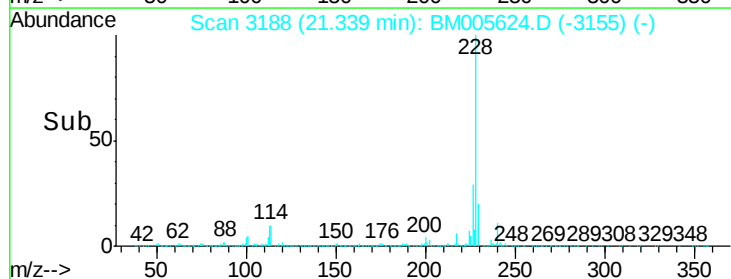
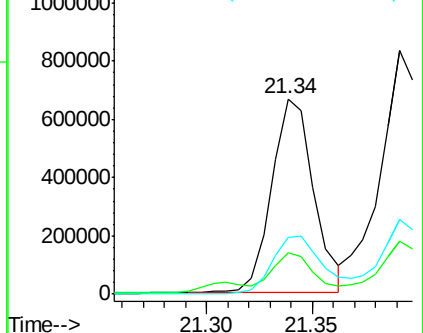
226 29.3 21.0 31.4

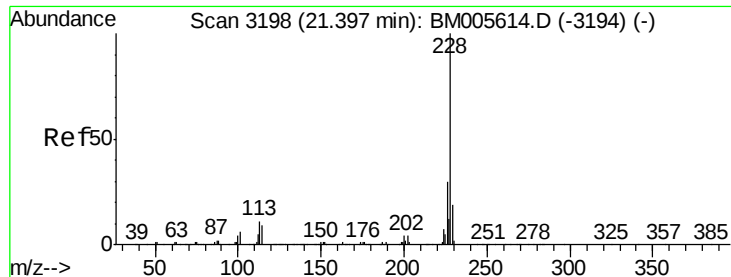


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 22.30 ng/ul

RT: 21.39 min Scan# 3197

Delta R.T. -0.01 min

Lab File: BM005624.D

Acq: 24 May 2016 00:12

Instrument :

BNA_M

ClientSampleId :

JHGK2

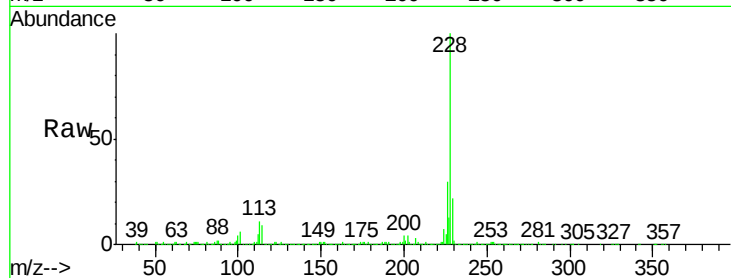
Tgt Ion:228 Resp: 1153984

Ion Ratio Lower Upper

228 100

226 30.4 23.7 35.5

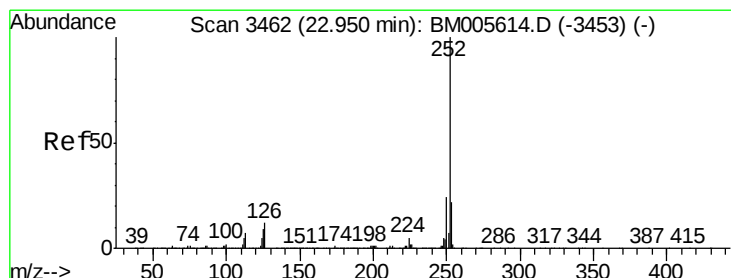
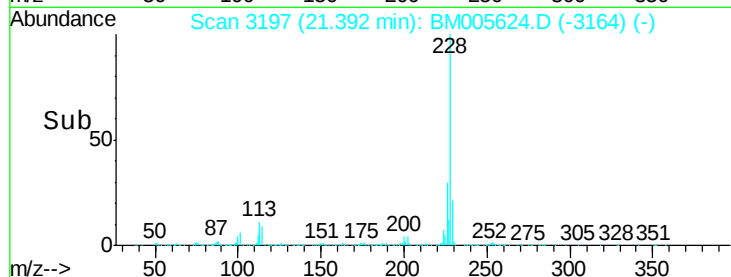
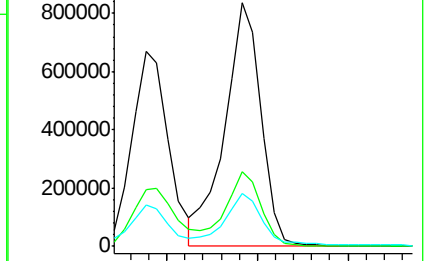
229 21.6 15.5 23.3



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: 19.83 ng/ul

RT: 22.95 min Scan# 3462

Delta R.T. -0.00 min

Lab File: BM005624.D

Acq: 24 May 2016 00:12

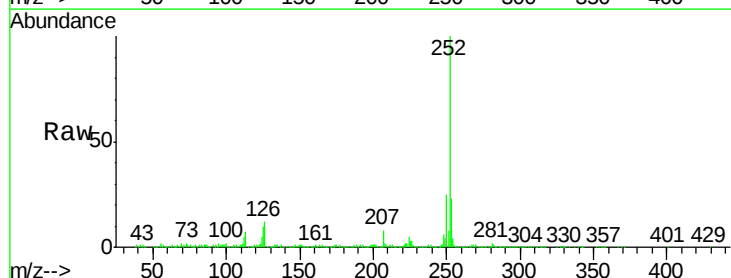
Tgt Ion:252 Resp: 1103137

Ion Ratio Lower Upper

252 100

253 23.0 17.3 25.9

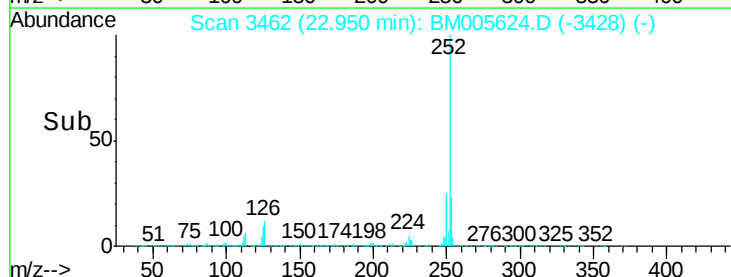
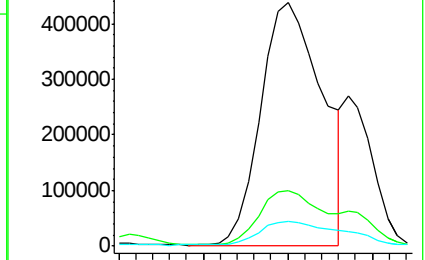
125 10.3 7.0 10.4

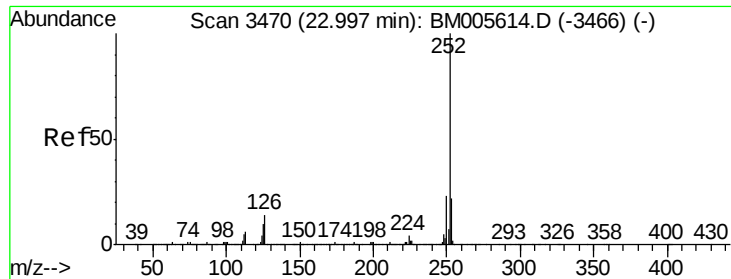


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

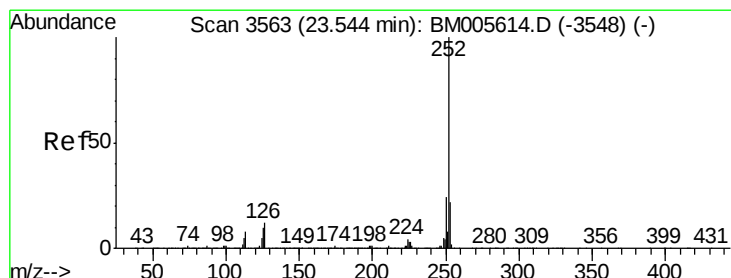
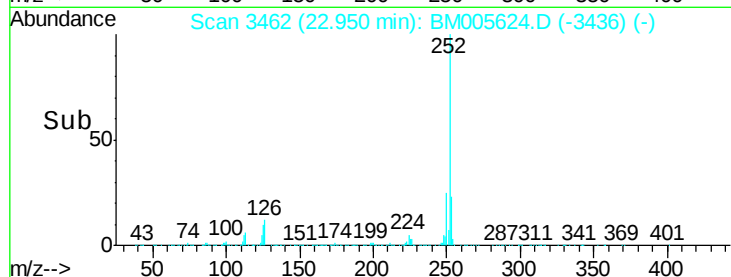
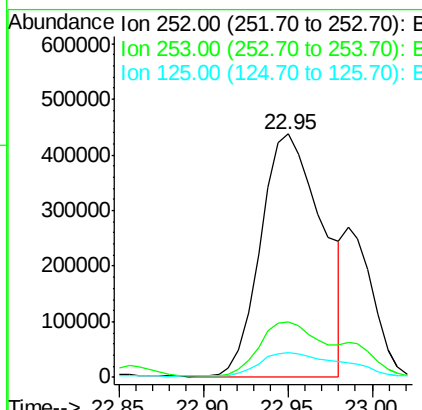
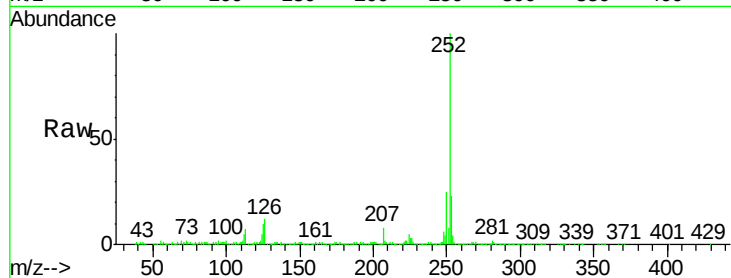




#86
Benzo(k)fluoranthene
Concen: 20.95 ng/ul
RT: 22.95 min Scan# 3462
Delta R.T. -0.05 min
Lab File: BM005624.D
Acq: 24 May 2016 00:12

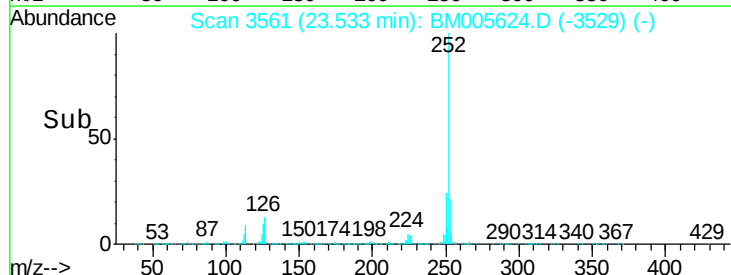
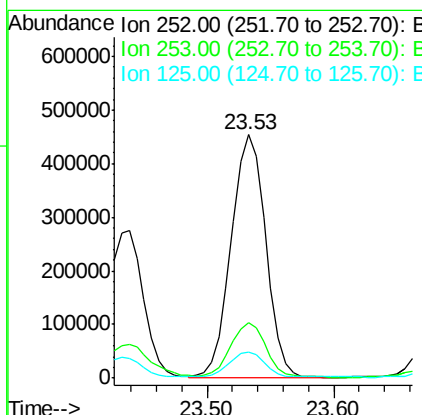
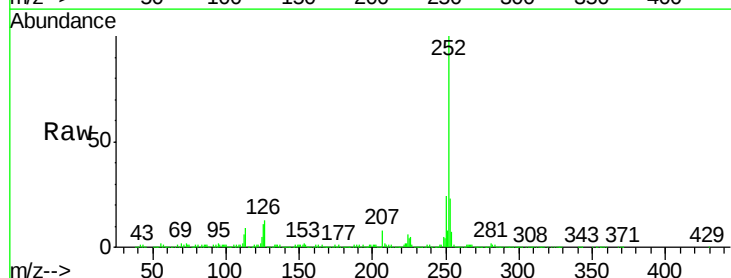
Instrument :
BNA_M
ClientSampled :
JHGK2

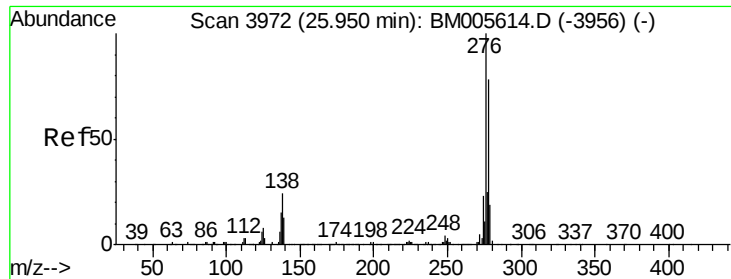
Tgt Ion:252 Resp: 1103137
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 10.3 7.0 10.6



#88
Benzo(a)pyrene
Concen: 15.78 ng/ul
RT: 23.53 min Scan# 3561
Delta R.T. -0.01 min
Lab File: BM005624.D
Acq: 24 May 2016 00:12

Tgt Ion:252 Resp: 851503
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 10.6 7.6 11.4





#89

Indeno(1,2,3-cd)pyrene

Concen: 7.23 ng/ul

RT: 25.93 min Scan# 3969

Delta R.T. -0.02 min

Lab File: BM005624.D

Acq: 24 May 2016 00:12

Instrument :

BNA_M

ClientSampleId :

JHGK2

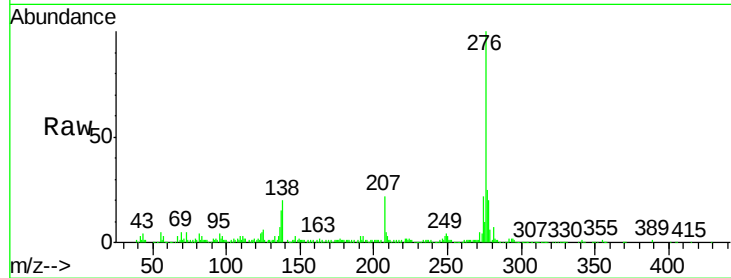
Tgt Ion:276 Resp: 463802

Ion Ratio Lower Upper

276 100

138 20.2 16.9 25.3

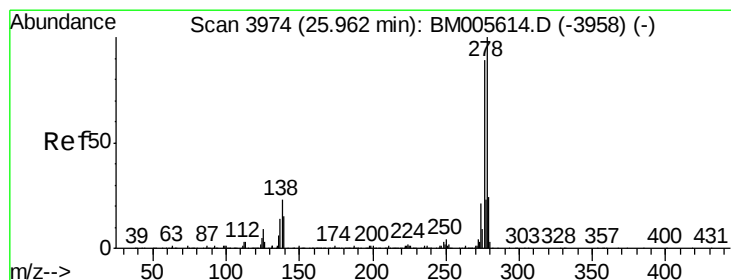
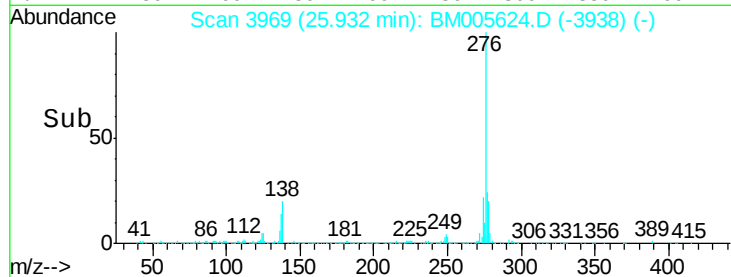
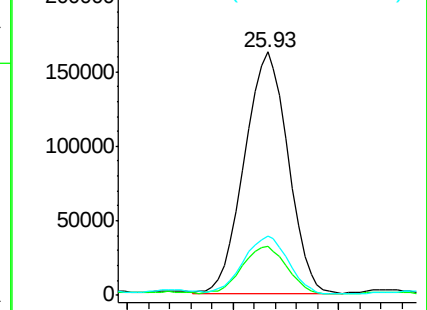
277 24.6 20.2 30.4



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: 2.05 ng/ul

RT: 25.93 min Scan# 3969

Delta R.T. -0.03 min

Lab File: BM005624.D

Acq: 24 May 2016 00:12

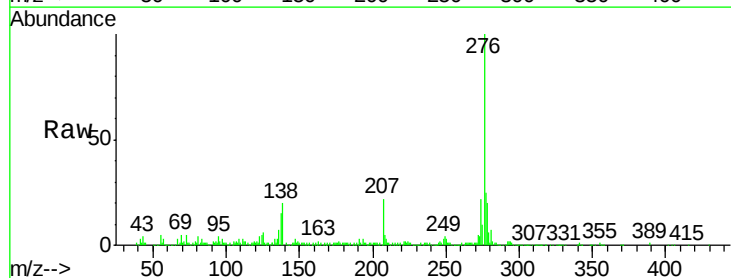
Tgt Ion:278 Resp: 109692

Ion Ratio Lower Upper

278 100

139 0.0 11.8 17.6#

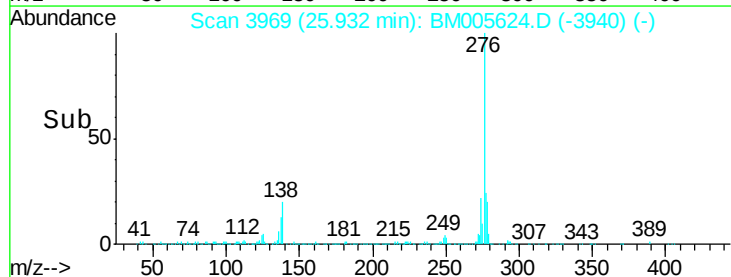
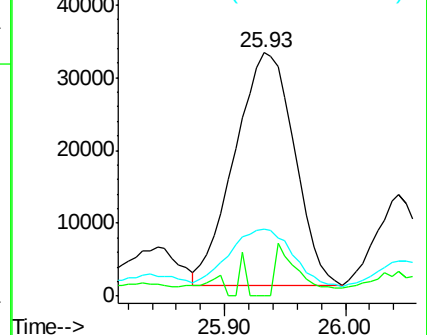
279 27.7 19.4 29.2

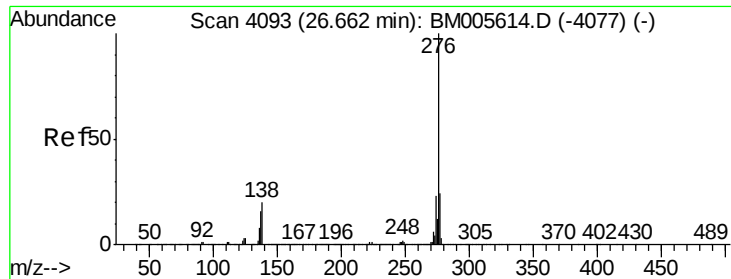


Abundance Ion 278.00 (277.70 to 278.70): E

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: 7.73 ng/ul

RT: 26.64 min Scan# 4089

Delta R.T. -0.02 min

Lab File: BM005624.D

Acq: 24 May 2016 00:12

Instrument :

BNA_M

ClientSampleId :

JHGK2

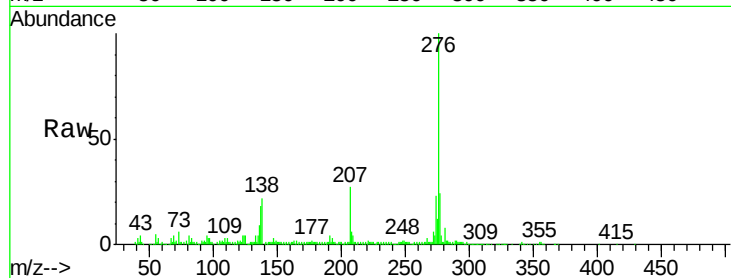
Tgt Ion: 276 Resp: 416636

Ion Ratio Lower Upper

276 100

138 22.0 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

