

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
 Data File : BM005634.D
 Acq On : 24 May 2016 06:43
 Operator : UM/SJ
 Sample : H3124-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGFIRE

Quant Time: May 24 08:03:25 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	7.82	152	312371	20.00	ng/ul	0.01
18) Naphthalene-d8	10.62	136	1318042	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.46	164	566156	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.22	188	844776	20.00	ng/ul	0.03
75) Chrysene-d12	21.39	240	611963	20.00	ng/ul	0.03
83) Perylene-d12	23.70	264	668065	20.00	ng/ul	0.06

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.28	96	18336	2.57	ng/uL	0.00
5) Phenol-d5	7.01	99	478691	18.70	ng/ul	0.03
7) Bis-(2-Chloroethyl)ether-d	7.15	67	270915	18.26	ng/ul	0.01
9) 2-Chlorophenol-d4	7.36	132	399597	18.71	ng/ul	0.02
13) 4-Methylphenol-d8	8.54	113	387172	18.45	ng/ul	0.02
19) Nitrobenzene-d5	8.97	128	193232	19.17	ng/ul	0.01
22) 2-Nitrophenol-d4	9.70	143	204343	18.42	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.25	165	367168	17.57	ng/ul	0.03
29) 4-Chloroaniline-d4	10.75	131	133193	6.37	ng/ul	0.02
43) Dimethylphthalate-d6	13.86	166	925754	20.03	ng/ul	0.02
46) Acenaphthylene-d8	14.16	160	1147553	19.86	ng/ul	0.02
51) 4-Nitrophenol-d4	14.70	143	103978	11.89	ng/ul	0.04
57) Fluorene-d10	15.46	176	654595	16.28	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.59	200	13997	2.88	ng/ul	0.04
70) Anthracene-d10	17.31	188	790993	19.66	ng/ul	0.03
76) Pyrene-d10	19.60	212	697102	25.15	ng/ul	0.03
87) Benzo(a)pyrene-d12	23.56	264	592345	18.99	ng/ul	0.06

Target Compounds

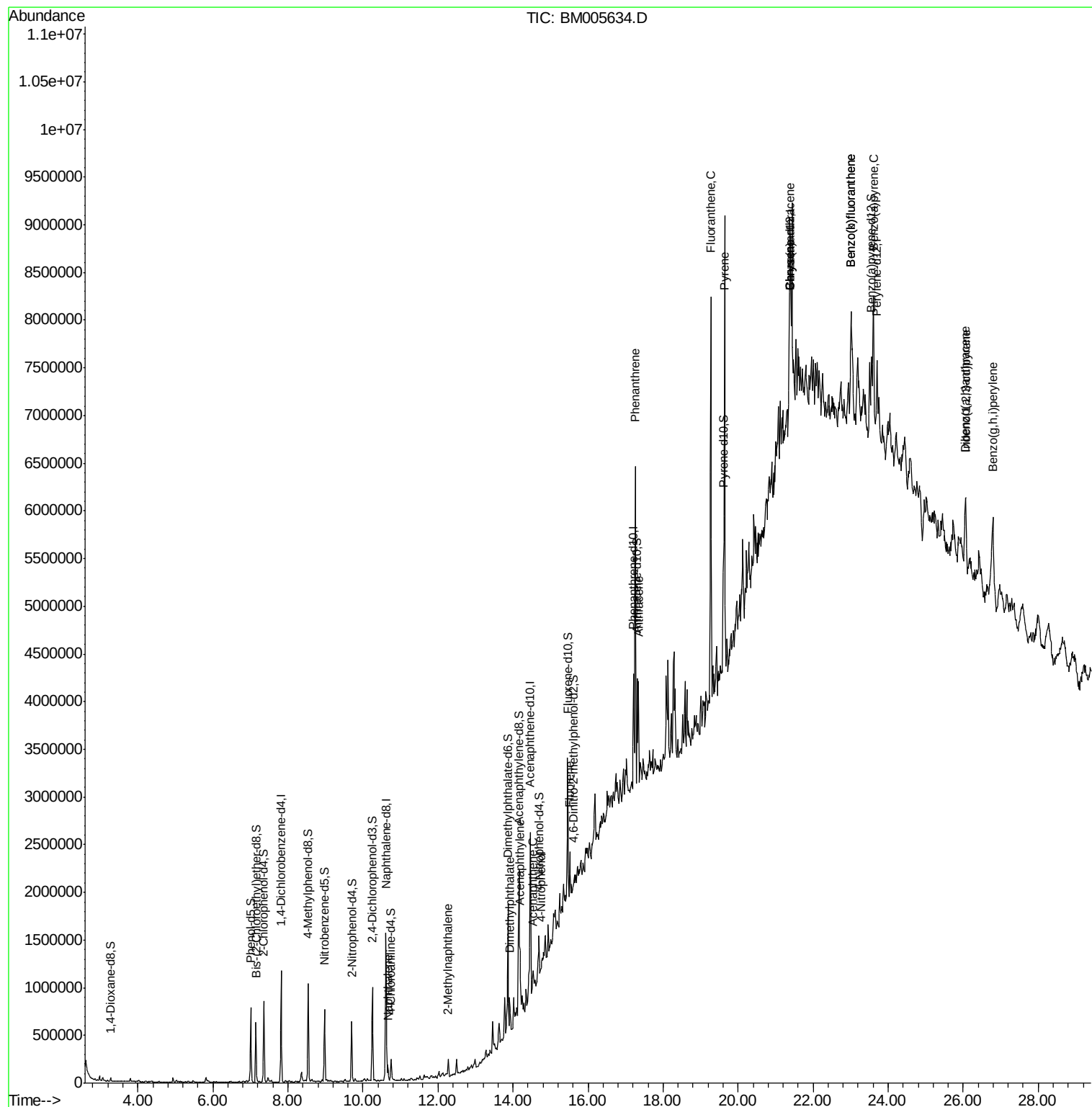
						Qvalue
28) Naphthalene	10.66	128	128672	1.94	ng/ul	99
34) 2-Methylnaphthalene	12.27	142	90355	1.87	ng/ul	97
44) Dimethylphthalate	13.91	163	118211	2.59	ng/ul#	95
47) Acenaphthylene	14.19	152	514353	8.76	ng/ul	95
49) Acenaphthene	14.53	153	75134	1.94	ng/ul	94
52) 4-Nitrophenol	14.73	109	13133	1.50	ng/ul#	4
58) Fluorene	15.51	166	196974	4.45	ng/ul#	93
69) Phenanthrene	17.26	178	2469781	52.31	ng/ul	98
71) Anthracene	17.34	178	794692	16.52	ng/ul	98
74) Fluoranthene	19.27	202	3189765	60.02	ng/ul	99
77) Pyrene	19.64	202	3818593	108.55	ng/ul	97
80) Benzo(a)anthracene	21.38	228	1247456	34.68	ng/ul#	90
82) Chrysene	21.38	228	1247456	36.45	ng/ul	95
85) Benzo(b)fluoranthene	23.01	252	1414930	35.91	ng/ul#	87
86) Benzo(k)fluoranthene	23.01	252	1414930	37.93	ng/ul#	88
88) Benzo(a)pyrene	23.61	252	1361202	35.61	ng/ul#	91
89) Indeno(1,2,3-cd)pyrene	26.06	276	1024192	22.56	ng/ul	98
90) Dibenzo(a,h)anthracene	26.06	278	214317	5.67	ng/ul#	60
91) Benzo(g,h,i)perylene	26.79	276	1076470	28.20	ng/ul	93

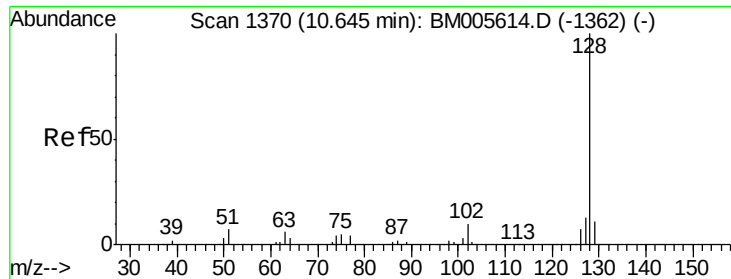
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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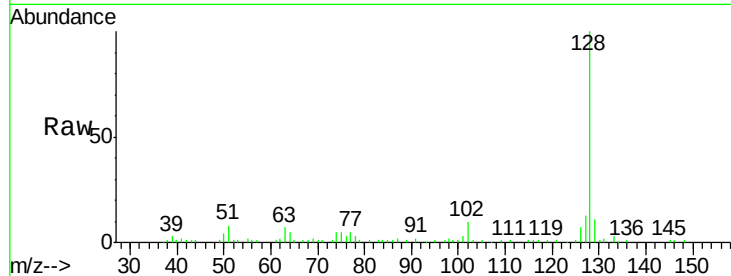




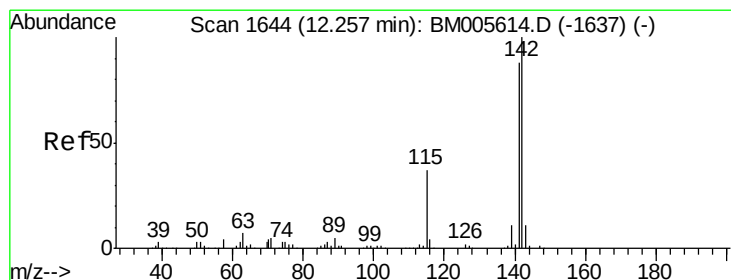
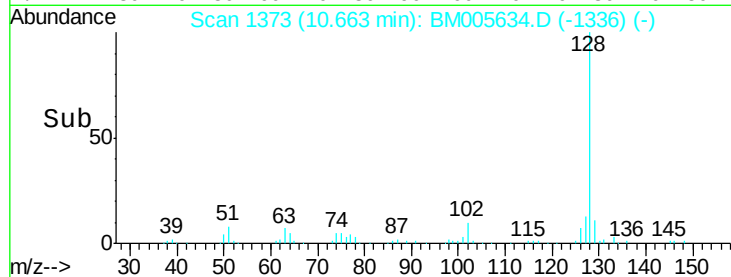
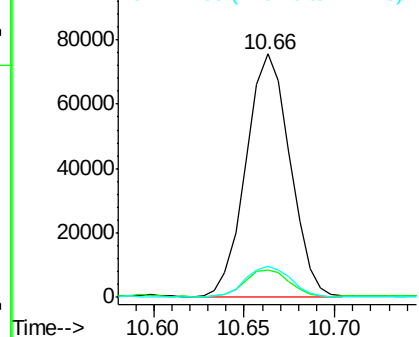
#28
Naphthalene
Concen: 1.94 ng/ul
RT: 10.66 min Scan# 1373
Delta R.T. 0.02 min
Lab File: BM005634.D
Acq: 24 May 2016 06:43

Instrument :
BNA_M
ClientSampleId :
JHGF1RE

Tgt Ion:128 Resp: 128672
Ion Ratio Lower Upper
128 100
129 11.4 8.6 13.0
127 12.8 10.6 15.8

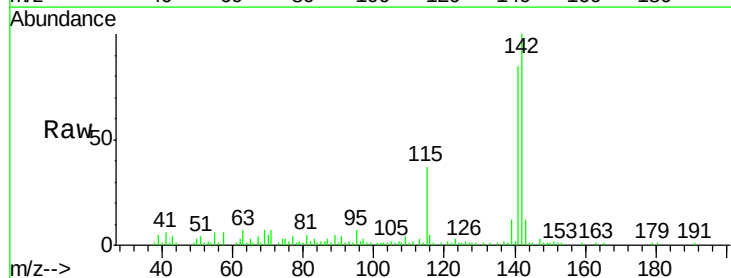


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

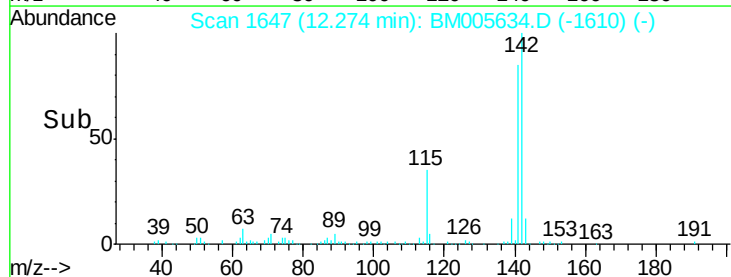
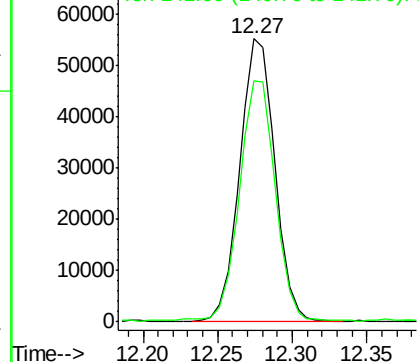


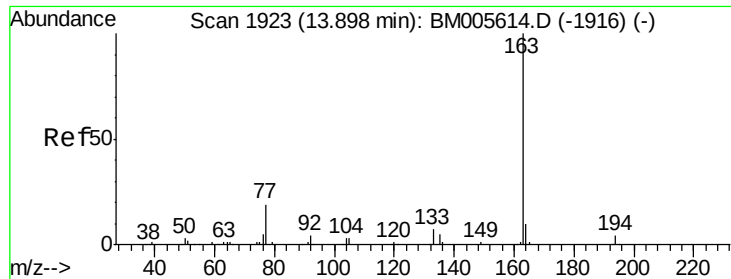
#34
2-Methylnaphthalene
Concen: 1.87 ng/ul
RT: 12.27 min Scan# 1647
Delta R.T. 0.02 min
Lab File: BM005634.D
Acq: 24 May 2016 06:43

Tgt Ion:142 Resp: 90355
Ion Ratio Lower Upper
142 100
141 85.2 70.6 106.0



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

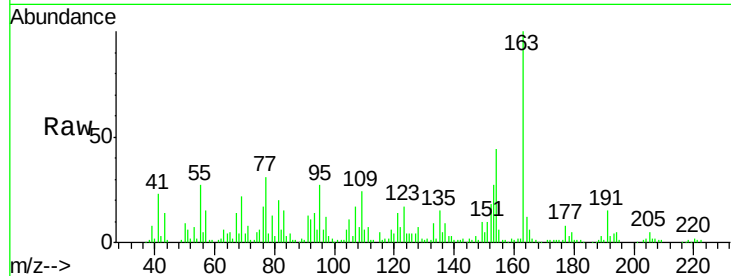




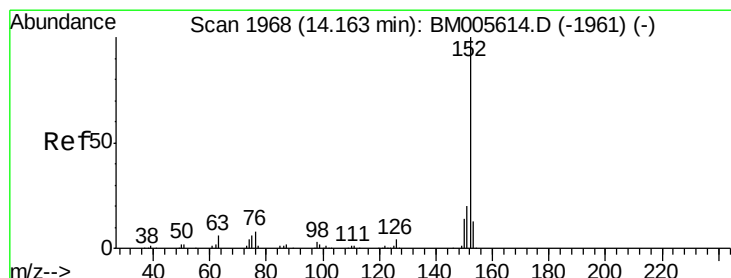
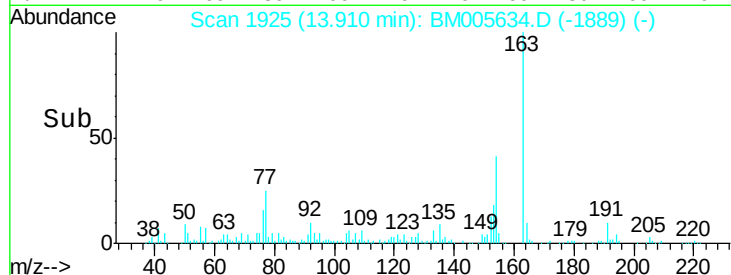
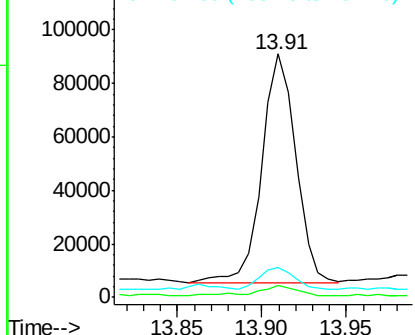
#44
Dimethylphthalate
Concen: 2.59 ng/ul
RT: 13.91 min Scan# 1925
Delta R.T. 0.01 min
Lab File: BM005634.D
Acq: 24 May 2016 06:43

Instrument :
BNA_M
ClientSampleId :
JHGF1RE

Tgt Ion:163 Resp: 118211
Ion Ratio Lower Upper
163 100
194 4.7 3.4 5.0
164 12.5 8.0 12.0#

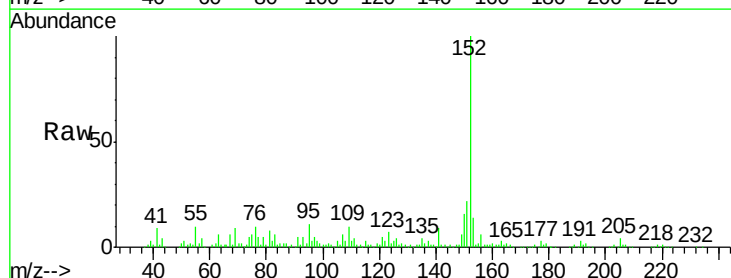


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

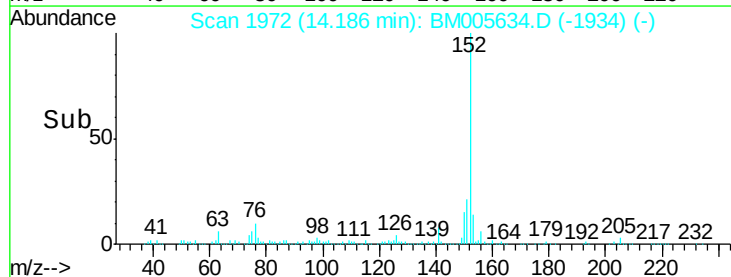
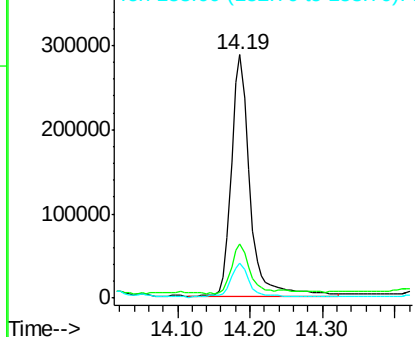


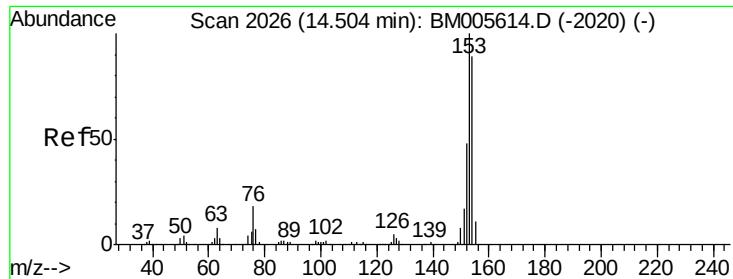
#47
Acenaphthylene
Concen: 8.76 ng/ul
RT: 14.19 min Scan# 1972
Delta R.T. 0.02 min
Lab File: BM005634.D
Acq: 24 May 2016 06:43

Tgt Ion:152 Resp: 514353
Ion Ratio Lower Upper
152 100
151 22.5 15.7 23.5
153 14.2 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: 1.94 ng/ul

RT: 14.53 min Scan# 2030

Delta R.T. 0.02 min

Lab File: BM005634.D

Acq: 24 May 2016 06:43

Instrument :

BNA_M

ClientSampleId :

JHGF1RE

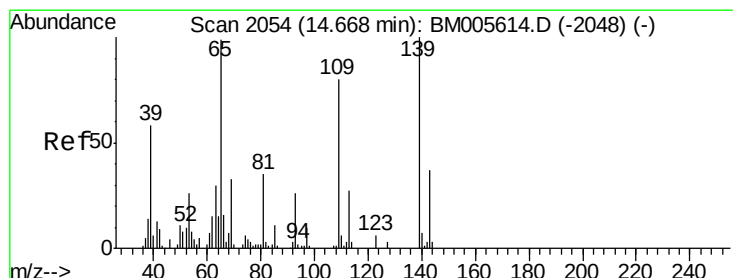
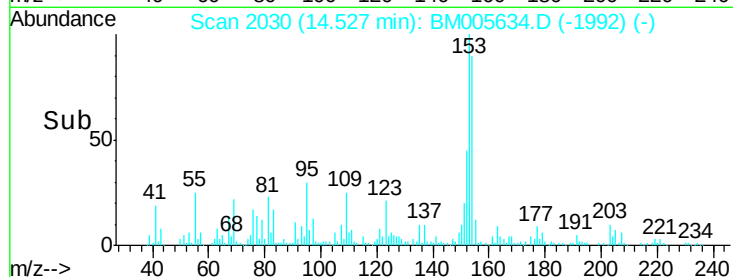
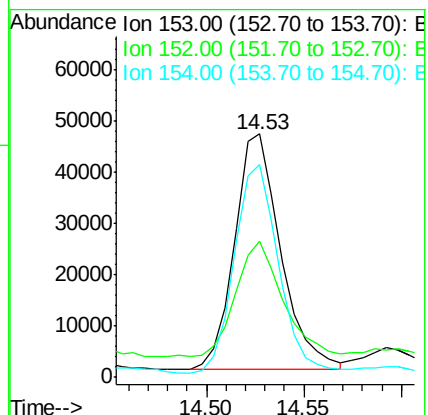
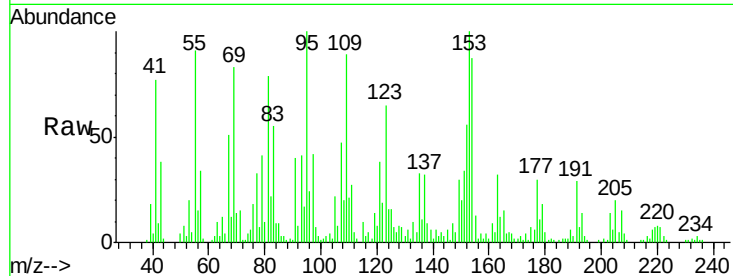
Tgt Ion:153 Resp: 75134

Ion Ratio Lower Upper

153 100

152 56.1 37.8 56.6

154 87.2 71.1 106.7



#52

4-Nitrophenol

Concen: 1.50 ng/ul

RT: 14.73 min Scan# 2065

Delta R.T. 0.06 min

Lab File: BM005634.D

Acq: 24 May 2016 06:43

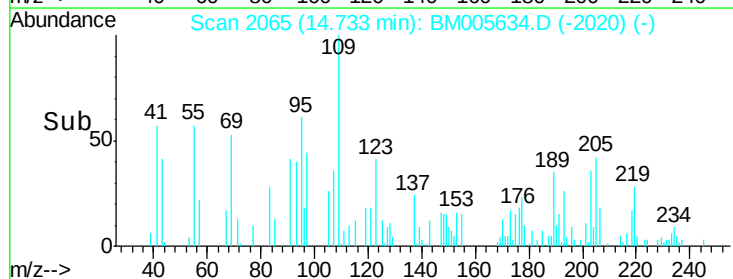
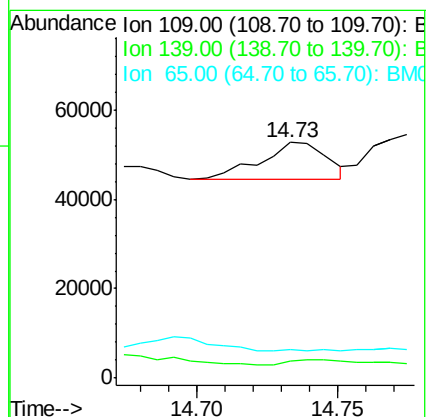
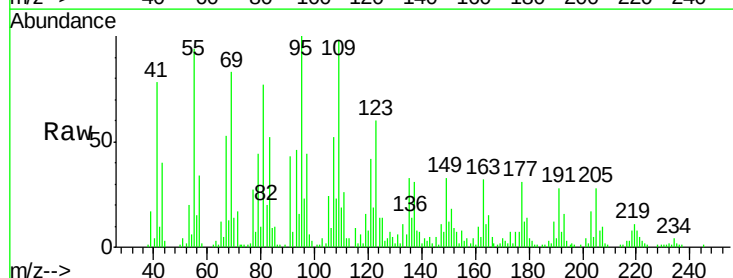
Tgt Ion:109 Resp: 13133

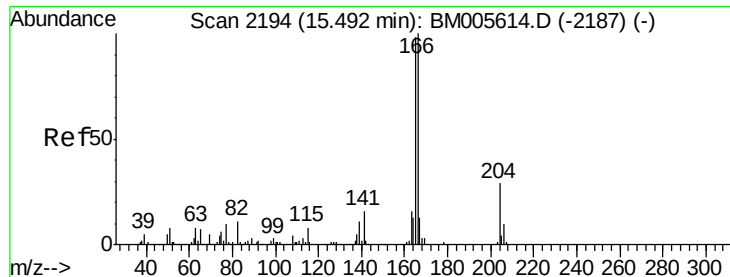
Ion Ratio Lower Upper

109 100

139 7.0 87.5 131.3#

65 12.0 90.2 135.2#





#58

Fluorene

Concen: 4.45 ng/ul

RT: 15.51 min Scan# 2197

Delta R.T. 0.02 min

Lab File: BM005634.D

Acq: 24 May 2016 06:43

Instrument :

BNA_M

ClientSampleId :

JHGF1RE

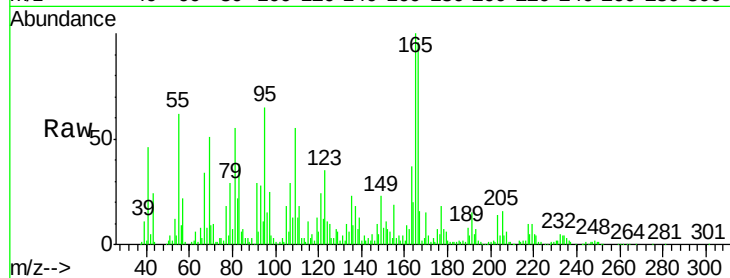
Tgt Ion:166 Resp: 196974

Ion Ratio Lower Upper

166 100

165 104.2 78.0 117.0

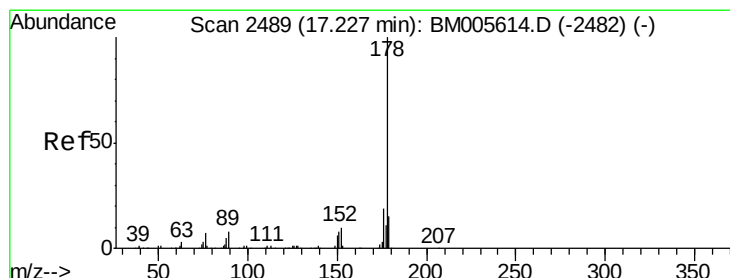
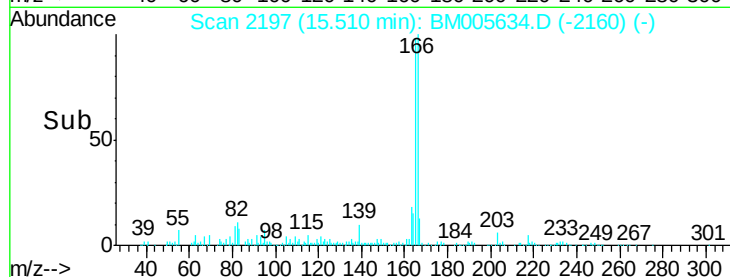
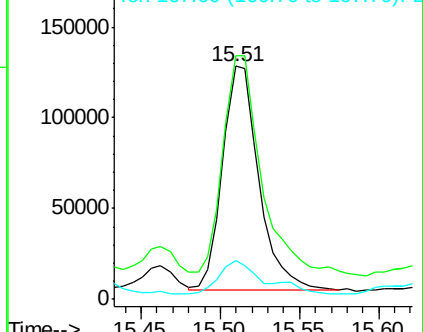
167 16.5 10.5 15.7#



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: 52.31 ng/ul

RT: 17.26 min Scan# 2494

Delta R.T. 0.03 min

Lab File: BM005634.D

Acq: 24 May 2016 06:43

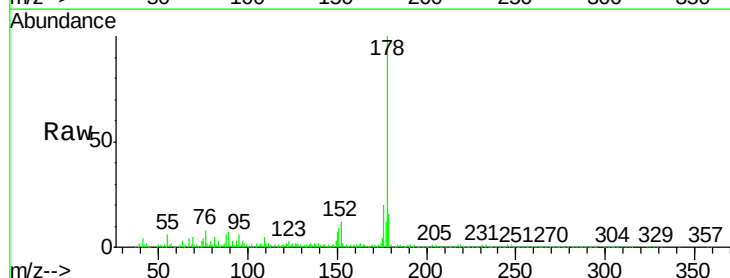
Tgt Ion:178 Resp: 2469781

Ion Ratio Lower Upper

178 100

179 16.3 12.2 18.2

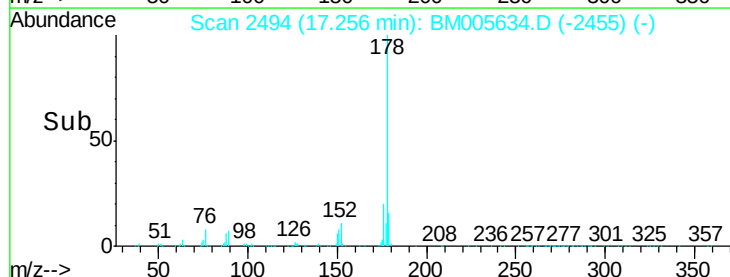
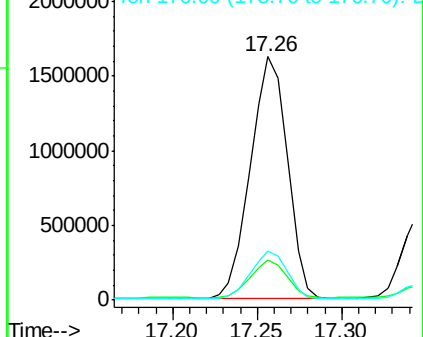
176 20.0 15.8 23.6

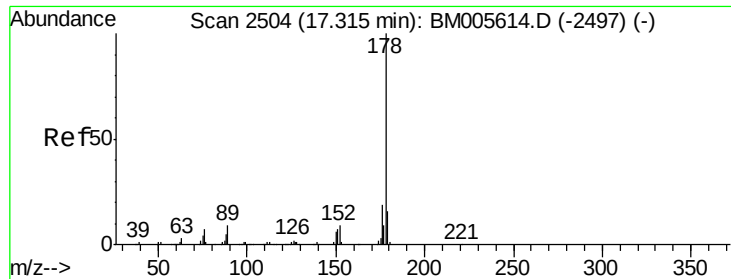


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

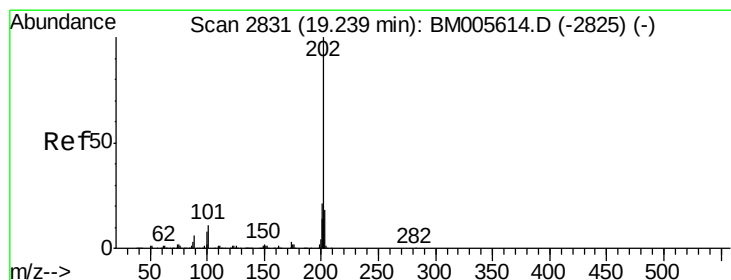
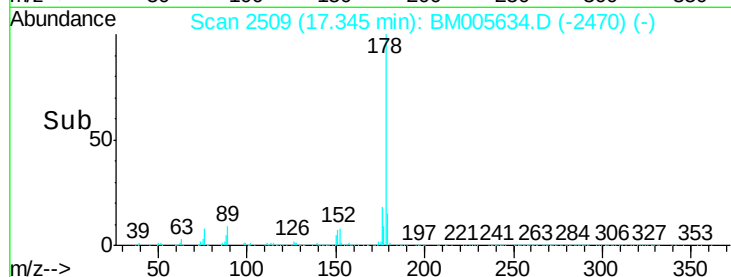
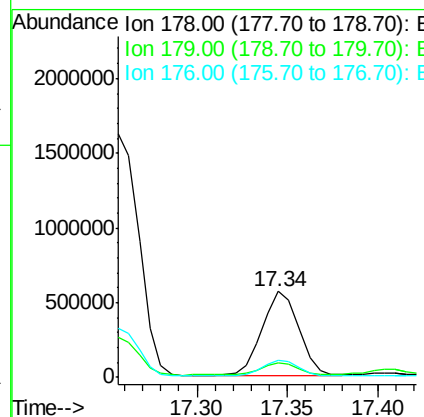
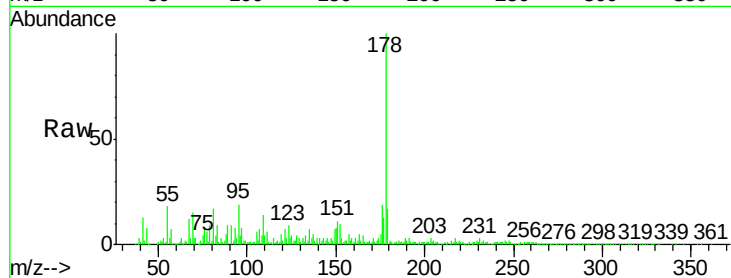




#71
 Anthracene
 Concen: 16.52 ng/ul
 RT: 17.34 min Scan# 2509
 Delta R.T. 0.03 min
 Lab File: BM005634.D
 Acq: 24 May 2016 06:43

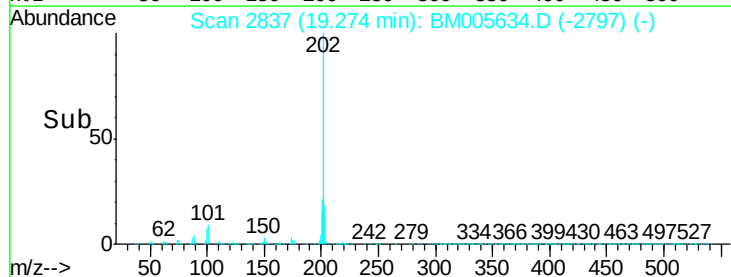
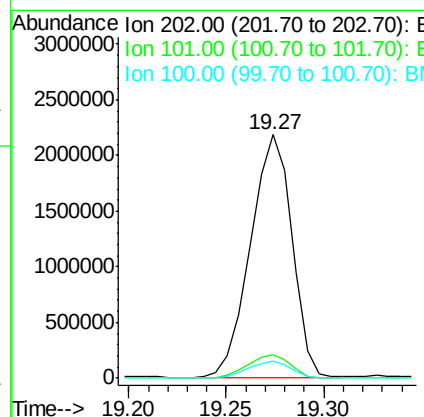
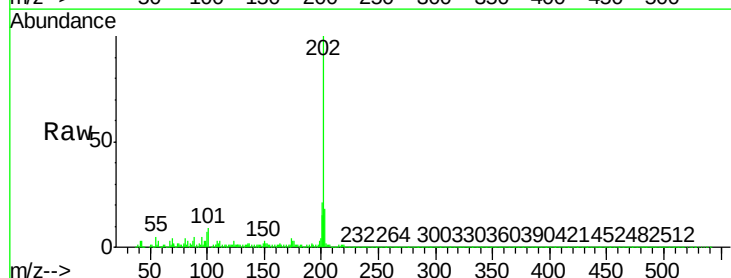
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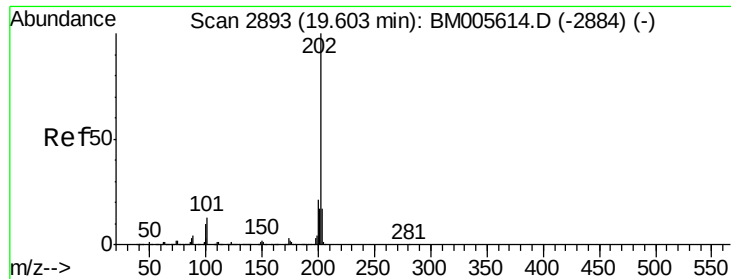
Tgt Ion:178 Resp: 794692
 Ion Ratio Lower Upper
 178 100
 179 16.9 12.6 18.8
 176 19.4 15.0 22.4



#74
 Fluoranthene
 Concen: 60.02 ng/ul
 RT: 19.27 min Scan# 2837
 Delta R.T. 0.04 min
 Lab File: BM005634.D
 Acq: 24 May 2016 06:43

Tgt Ion:202 Resp: 3189765
 Ion Ratio Lower Upper
 202 100
 101 9.4 7.9 11.9
 100 6.9 5.6 8.4





#77

Pyrene

Concen: 108.55 ng/ul

RT: 19.64 min Scan# 2899

Delta R.T. 0.04 min

Lab File: BM005634.D

Acq: 24 May 2016 06:43

Instrument :

BNA_M

ClientSampleId :

JHGF1RE

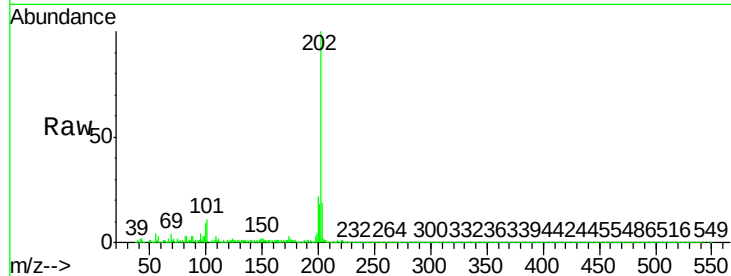
Tgt Ion:202 Resp: 3818593

Ion Ratio Lower Upper

202 100

101 10.9 9.6 14.4

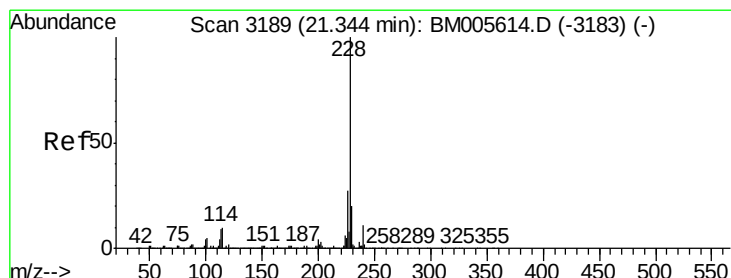
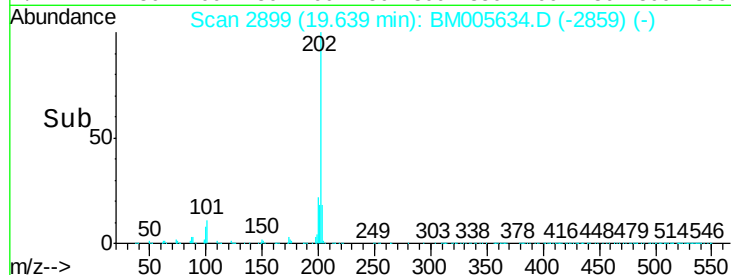
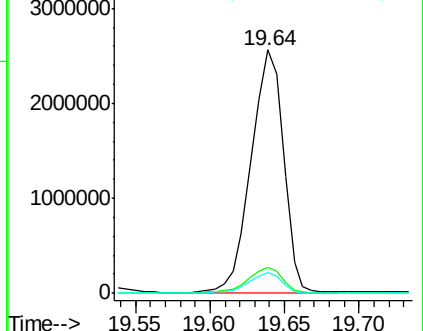
100 8.5 7.8 11.6



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: 34.68 ng/ul

RT: 21.38 min Scan# 3195

Delta R.T. 0.04 min

Lab File: BM005634.D

Acq: 24 May 2016 06:43

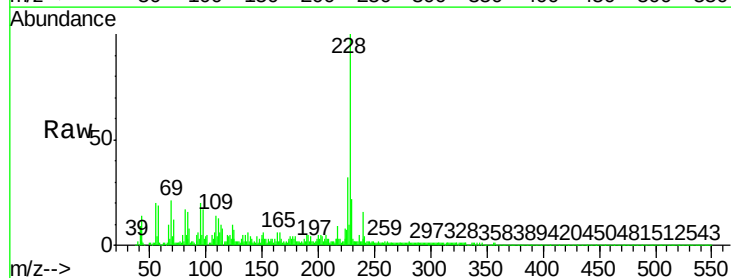
Tgt Ion:228 Resp: 1247456

Ion Ratio Lower Upper

228 100

229 22.4 15.4 23.2

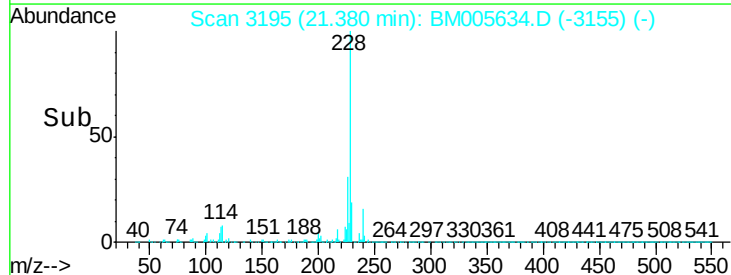
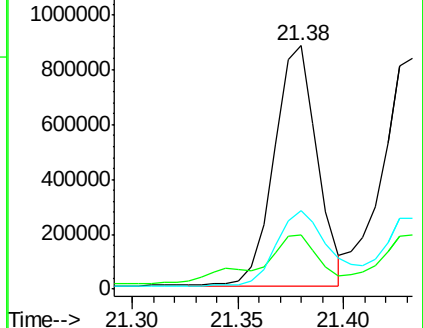
226 32.1 21.0 31.4#

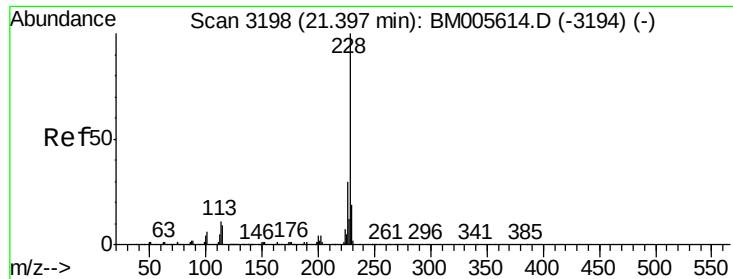


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 36.45 ng/ul

RT: 21.38 min Scan# 3195

Delta R.T. -0.02 min

Lab File: BM005634.D

Acq: 24 May 2016 06:43

Instrument :

BNA_M

ClientSampleId :

JHGF1RE

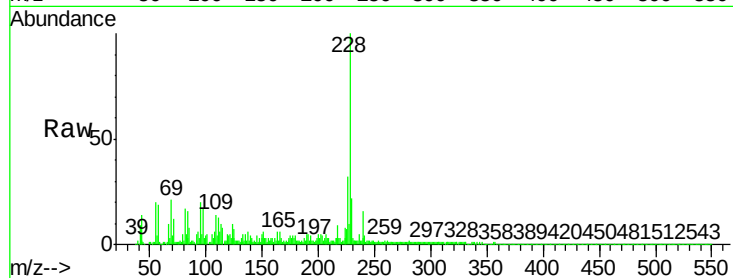
Tgt Ion:228 Resp: 1247456

Ion Ratio Lower Upper

228 100

226 32.1 23.7 35.5

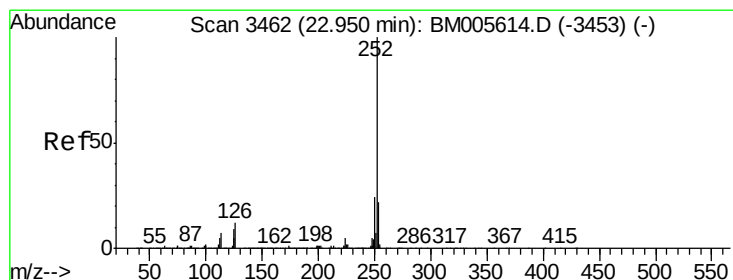
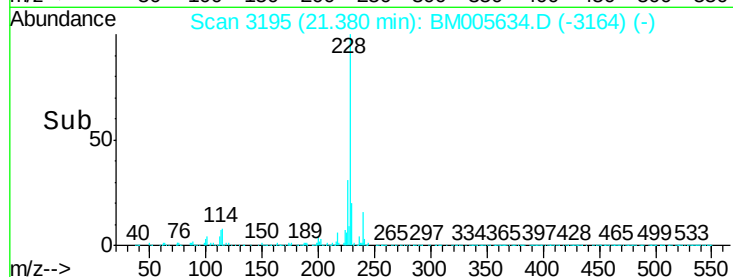
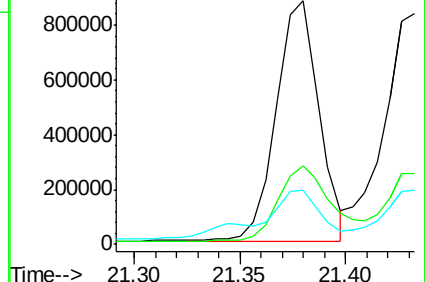
229 22.4 15.5 23.3



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: 35.91 ng/ul

RT: 23.01 min Scan# 3472

Delta R.T. 0.06 min

Lab File: BM005634.D

Acq: 24 May 2016 06:43

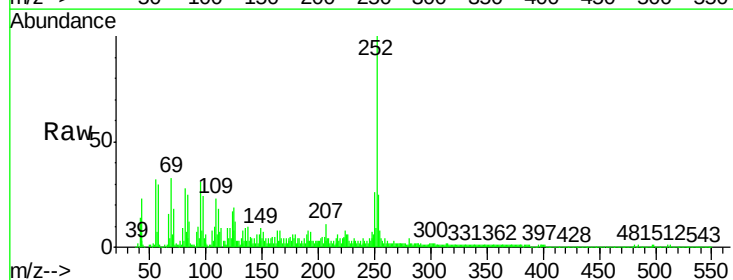
Tgt Ion:252 Resp: 1414930

Ion Ratio Lower Upper

252 100

253 25.0 17.3 25.9

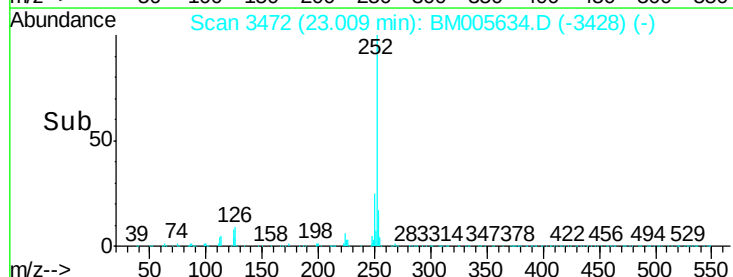
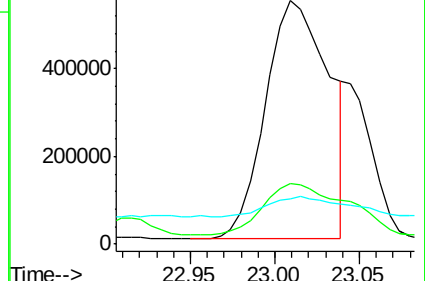
125 18.6 7.0 10.4#

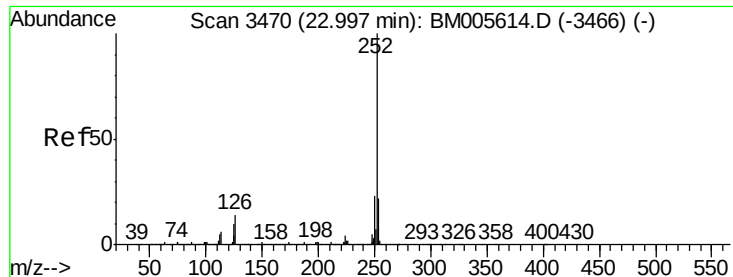


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 37.93 ng/ul

RT: 23.01 min Scan# 3472

Delta R.T. 0.01 min

Lab File: BM005634.D

Acq: 24 May 2016 06:43

Instrument :

BNA_M

ClientSampleId :

JHGF1RE

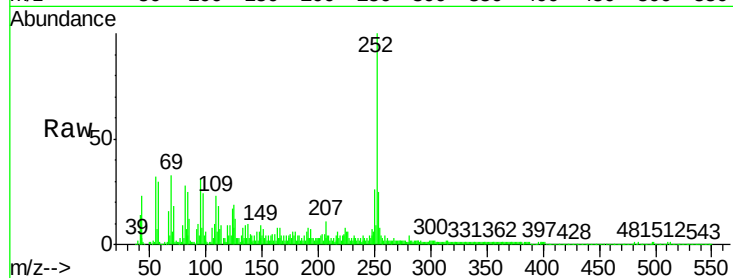
Tgt Ion:252 Resp: 1414930

Ion Ratio Lower Upper

252 100

253 25.0 17.5 26.3

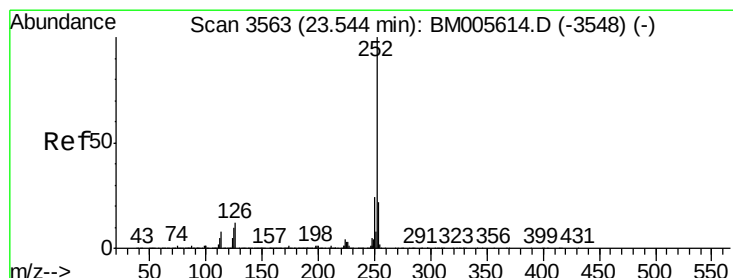
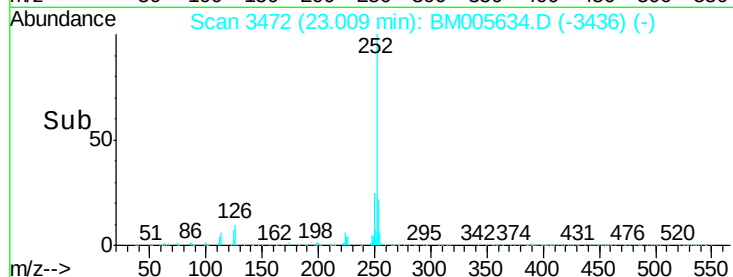
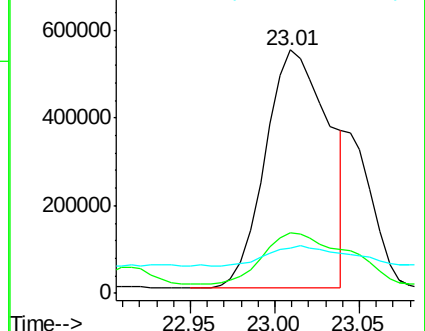
125 18.6 7.0 10.6#



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: 35.61 ng/ul

RT: 23.61 min Scan# 3574

Delta R.T. 0.06 min

Lab File: BM005634.D

Acq: 24 May 2016 06:43

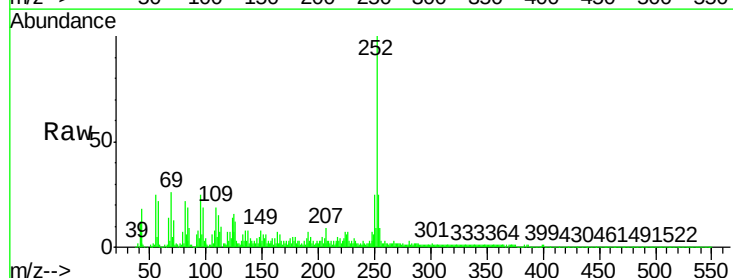
Tgt Ion:252 Resp: 1361202

Ion Ratio Lower Upper

252 100

253 24.7 17.6 26.4

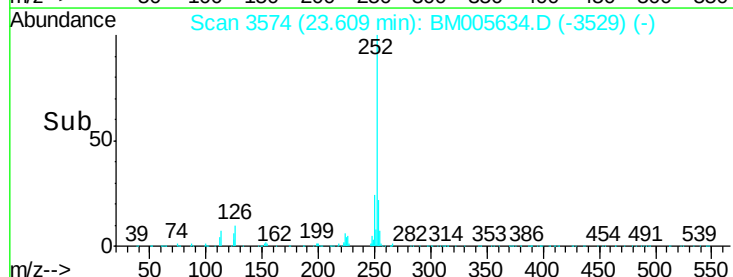
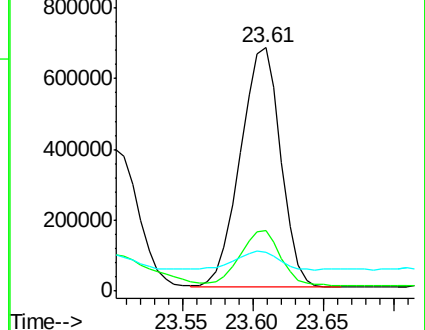
125 16.1 7.6 11.4#

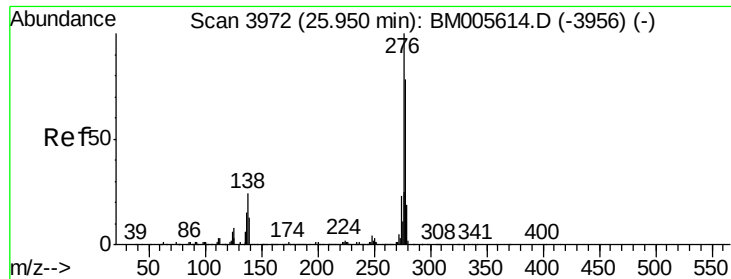


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Indeno(1,2,3-cd)pyrene

Concen: 22.56 ng/ul

RT: 26.06 min Scan# 3991

Delta R.T. 0.11 min

Lab File: BM005634.D

Acq: 24 May 2016 06:43

Instrument :

BNA_M

ClientSampleId :

JHGF1RE

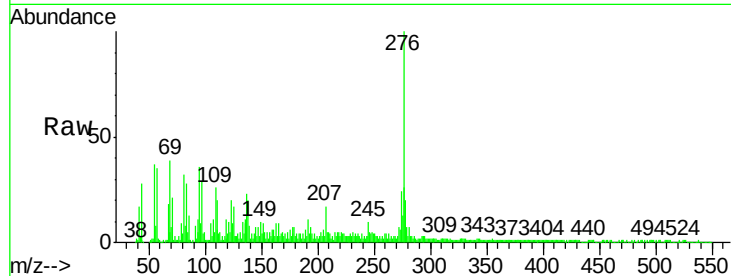
Tgt Ion:276 Resp: 1024192

Ion Ratio Lower Upper

276 100

138 20.2 16.9 25.3

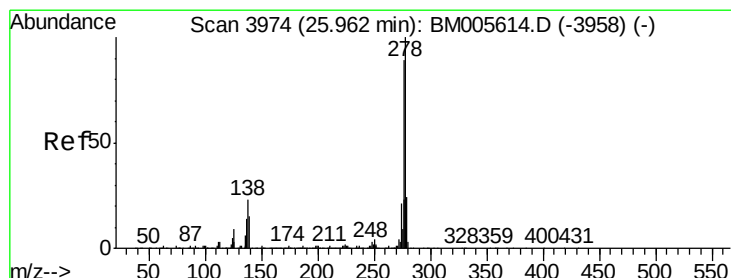
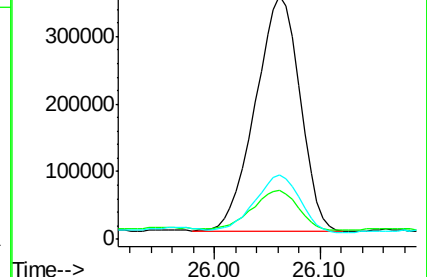
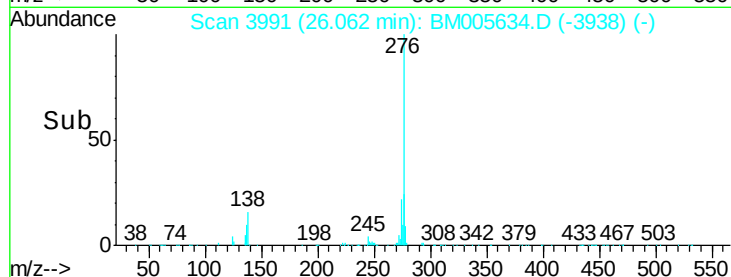
277 26.2 20.2 30.4



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: 5.67 ng/ul

RT: 26.06 min Scan# 3990

Delta R.T. 0.09 min

Lab File: BM005634.D

Acq: 24 May 2016 06:43

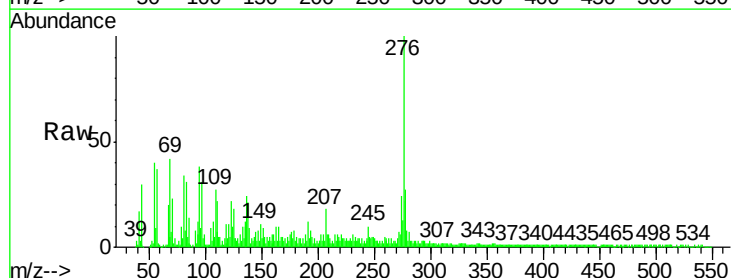
Tgt Ion:278 Resp: 214317

Ion Ratio Lower Upper

278 100

139 41.4 11.8 17.6#

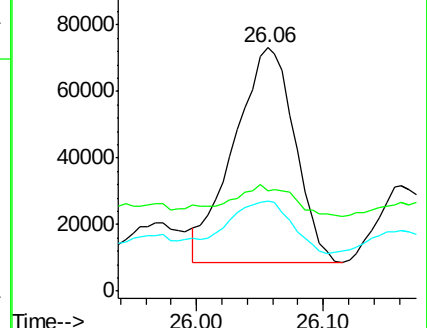
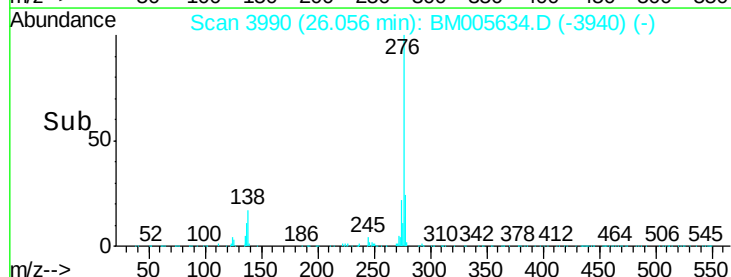
279 36.8 19.4 29.2#

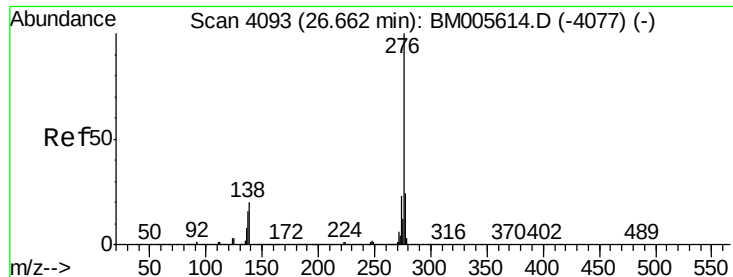


Abundance Ion 278.00 (277.70 to 278.70): E

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: 28.20 ng/ul

RT: 26.79 min Scan# 4115

Delta R.T. 0.13 min

Lab File: BM005634.D

Acq: 24 May 2016 06:43

Instrument :

BNA_M

ClientSampleId :

JHGF1RE

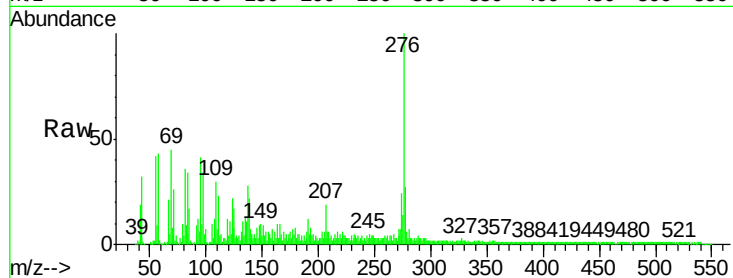
Tgt Ion:276 Resp: 1076470

Ion Ratio Lower Upper

276 100

138 21.8 15.0 22.6

277 26.6 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

