

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
 Data File : BM005607.D
 Acq On : 23 May 2016 03:31
 Operator : UM/SJ
 Sample : H3086-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGF3

Quant Time: May 23 05:38:04 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 23 05:32:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	116160	20.00	ng/ul	0.01
18) Naphthalene-d8	10.62	136	509623	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.46	164	279027	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.21	188	556709	20.00	ng/ul	0.02
75) Chrysene-d12	21.39	240	516137	20.00	ng/ul	0.02
83) Perylene-d12	23.69	264	482777	20.00	ng/ul	0.05

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	8361	3.15	ng/uL	0.00
5) Phenol-d5	7.00	99	234088	24.59	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.15	67	135296	24.52	ng/ul	0.00
9) 2-Chlorophenol-d4	7.36	132	193256	24.33	ng/ul	0.02
13) 4-Methylphenol-d8	8.54	113	187873	24.08	ng/ul	0.02
19) Nitrobenzene-d5	8.98	128	98658	25.32	ng/ul	0.01
22) 2-Nitrophenol-d4	9.70	143	105143	24.51	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.25	165	201326	24.92	ng/ul	0.02
29) 4-Chloroaniline-d4	10.75	131	81318	10.05	ng/ul	0.01
43) Dimethylphthalate-d6	13.87	166	587911	25.81	ng/ul	0.01
46) Acenaphthylene-d8	14.16	160	757208	26.59	ng/ul	0.02
51) 4-Nitrophenol-d4	14.68	143	90114	20.92	ng/ul	0.03
57) Fluorene-d10	15.46	176	497673	25.11	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.59	200	10599	3.31	ng/ul	0.03
70) Anthracene-d10	17.31	188	726628	27.40	ng/ul	0.02
76) Pyrene-d10	19.60	212	758414	32.45	ng/ul	0.03
87) Benzo(a)pyrene-d12	23.54	264	593032	26.31	ng/ul	0.05

Target Compounds

						Qvalue
28) Naphthalene	10.66	128	77413	3.02	ng/ul	98
30) 4-Chloroaniline	10.66	127	10165	1.23	ng/ul#	9
32) Caprolactam	11.63	113	4409	1.66	ng/ul#	12
34) 2-Methylnaphthalene	12.28	142	68255	3.64	ng/ul	97
44) Dimethylphthalate	13.92	163	97232	4.32	ng/ul#	96
47) Acenaphthylene	14.19	152	230824	7.98	ng/ul	96
49) Acenaphthene	14.52	153	23900	1.25	ng/ul	92
52) 4-Nitrophenol	14.66	109	4911	1.13	ng/ul#	7
53) Dibenzofuran	14.86	168	39602	1.45	ng/ul#	81
58) Fluorene	15.51	166	69062	3.17	ng/ul#	86
69) Phenanthrene	17.26	178	1020823	32.81	ng/ul	98
71) Anthracene	17.26	178	1020823	32.19	ng/ul	97
72) Carbazole	17.62	167	55707	2.02	ng/ul#	58
74) Fluoranthene	19.27	202	1167857	33.35	ng/ul	97
77) Pyrene	19.63	202	1360879	45.87	ng/ul	95
80) Benzo(a)anthracene	21.37	228	410121	13.52	ng/ul#	86
81) Bis(2-ethylhexyl)phthalate	21.29	149	27590	1.56	ng/ul#	85
82) Chrysene	21.42	228	517024	17.91	ng/ul#	93
85) Benzo(b)fluoranthene	23.00	252	571749	20.08	ng/ul#	85
86) Benzo(k)fluoranthene	23.00	252	571749	21.21	ng/ul#	85
88) Benzo(a)pyrene	23.59	252	474683	17.19	ng/ul#	91
89) Indeno(1,2,3-cd)pyrene	26.04	276	410272	12.50	ng/ul	96
90) Dibenzo(a,h)anthracene	26.04	278	80279	2.94	ng/ul#	61

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Quant Title : SVOA CALIBRATION
QLast Update : Mon May 23 05:32:02 2016
Response via : Initial Calibration

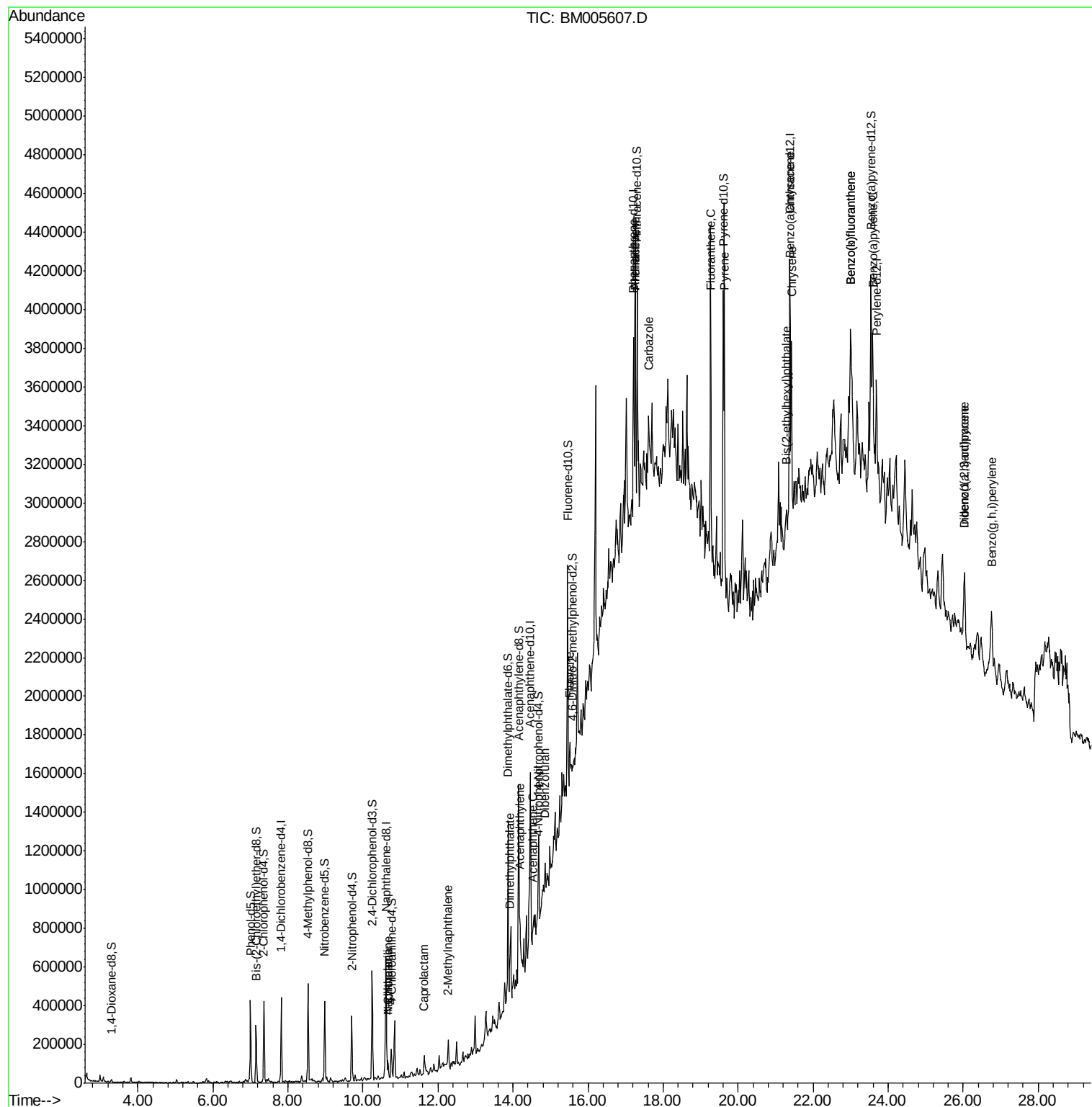
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(g,h,i)perylene	26.76	276	446277	16.18	ng/ul	97

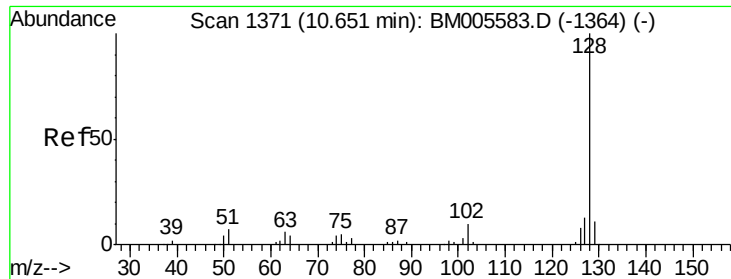
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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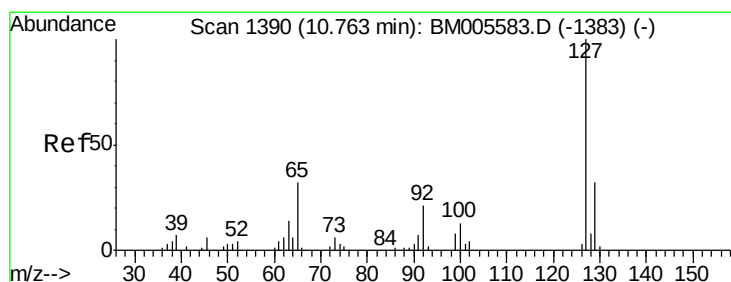
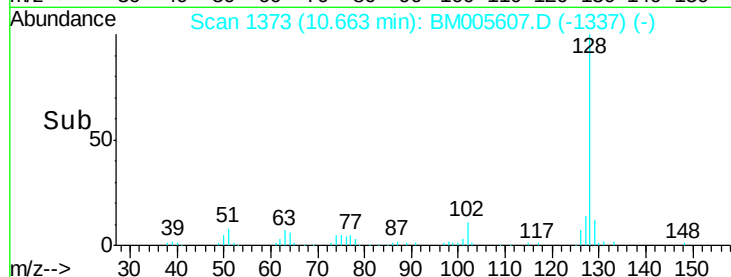
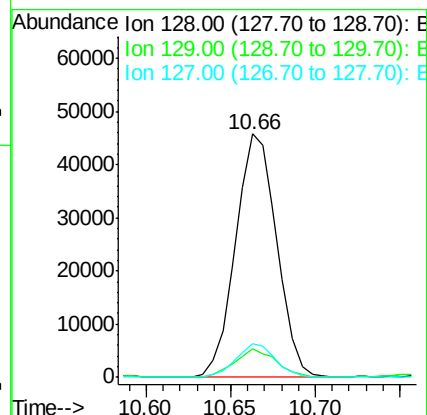
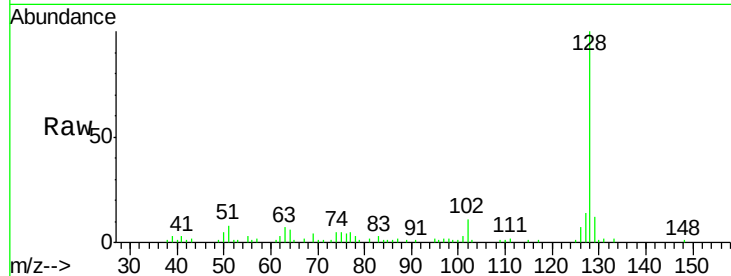




#28
Naphthalene
Concen: 3.02 ng/ul
RT: 10.66 min Scan# 1373
Delta R.T. 0.01 min
Lab File: BM005607.D
Acq: 23 May 2016 03:31

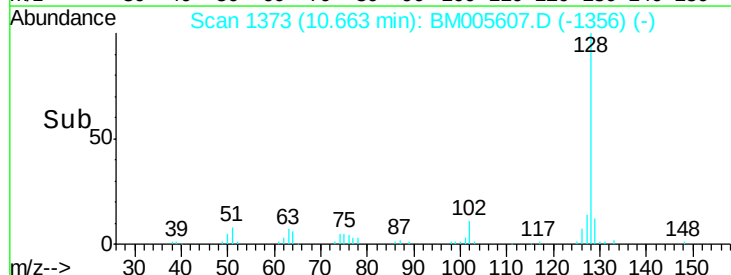
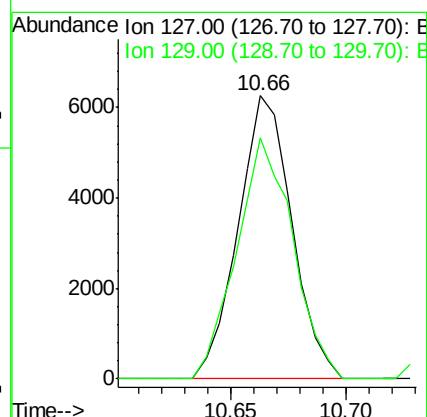
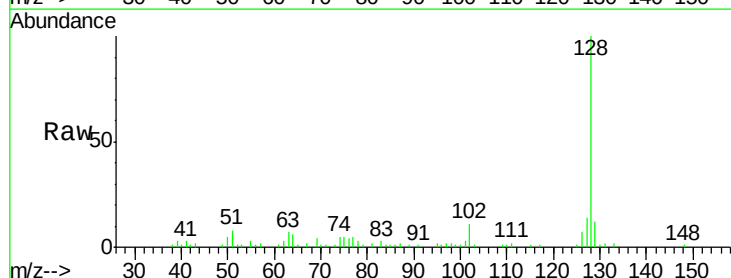
Instrument :
BNA_M
ClientSampleId :
JHGF3

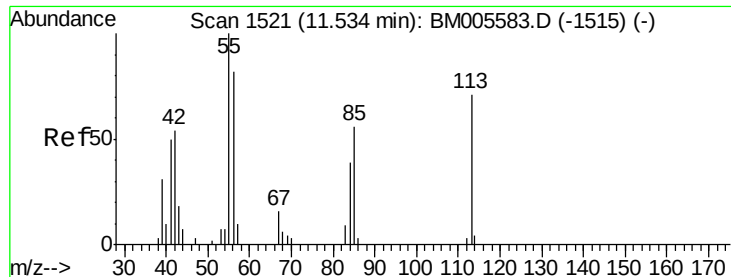
Tgt Ion:128 Resp: 77413
Ion Ratio Lower Upper
128 100
129 11.7 8.6 13.0
127 13.7 10.6 15.8



#30
4-Chloroaniline
Concen: 1.23 ng/ul
RT: 10.66 min Scan# 1373
Delta R.T. -0.10 min
Lab File: BM005607.D
Acq: 23 May 2016 03:31

Tgt Ion:127 Resp: 10165
Ion Ratio Lower Upper
127 100
129 85.3 26.9 40.3#





#32

Caprolactam

Concen: 1.66 ng/ul

RT: 11.63 min Scan# 1538

Delta R.T. 0.10 min

Lab File: BM005607.D

Acq: 23 May 2016 03:31

Instrument :

BNA_M

ClientSampleId :

JHGF3

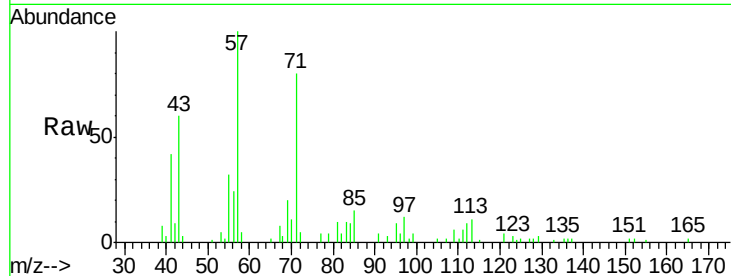
Tgt Ion:113 Resp: 4409

Ion Ratio Lower Upper

113 100

55 275.8 124.6 187.0#

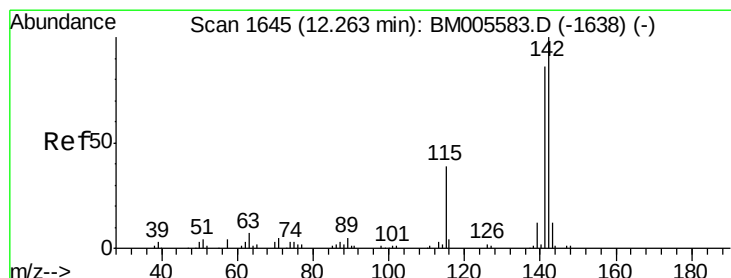
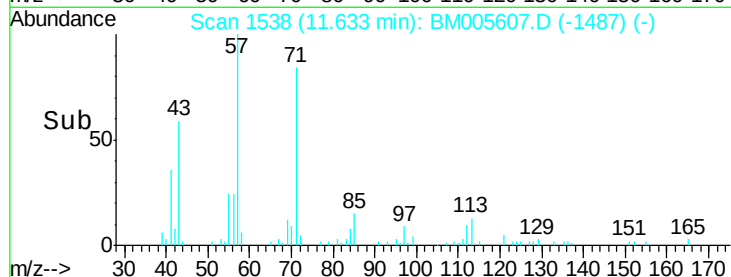
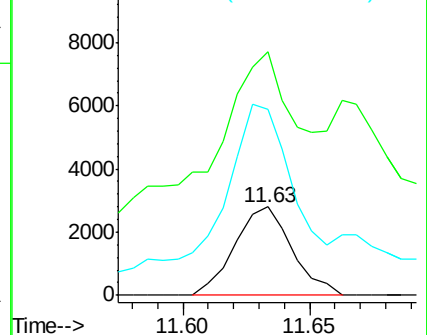
56 210.9 95.2 142.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#34

2-Methylnaphthalene

Concen: 3.64 ng/ul

RT: 12.28 min Scan# 1648

Delta R.T. 0.02 min

Lab File: BM005607.D

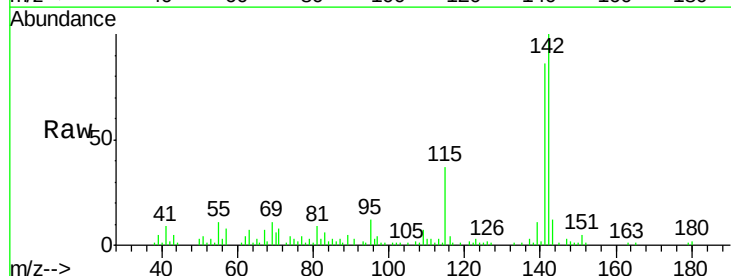
Acq: 23 May 2016 03:31

Tgt Ion:142 Resp: 68255

Ion Ratio Lower Upper

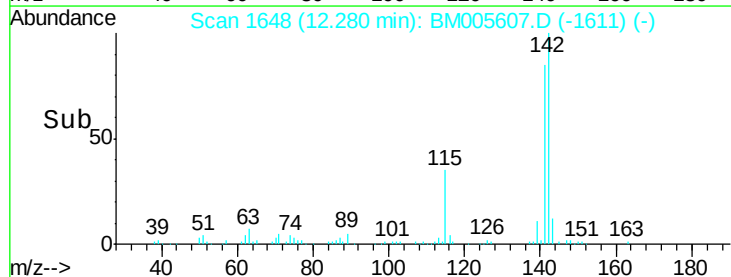
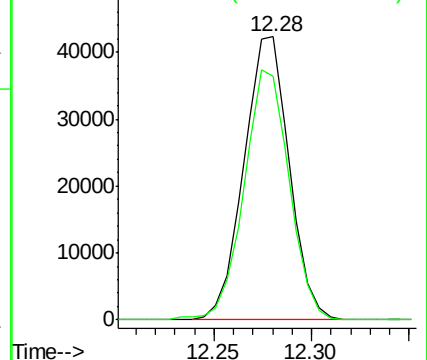
142 100

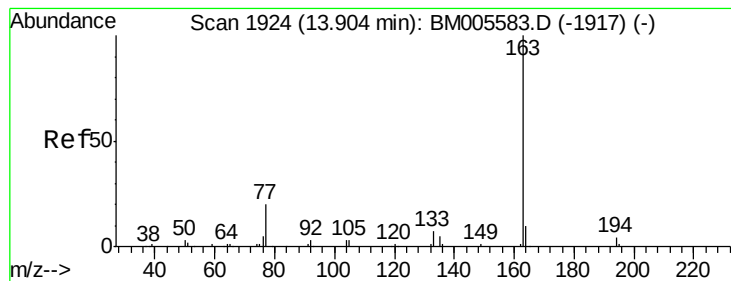
141 86.0 70.6 106.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#44

Dimethylphthalate

Concen: 4.32 ng/ul

RT: 13.92 min Scan# 1926

Delta R.T. 0.01 min

Lab File: BM005607.D

Acq: 23 May 2016 03:31

Instrument :

BNA_M

ClientSampleId :

JHGF3

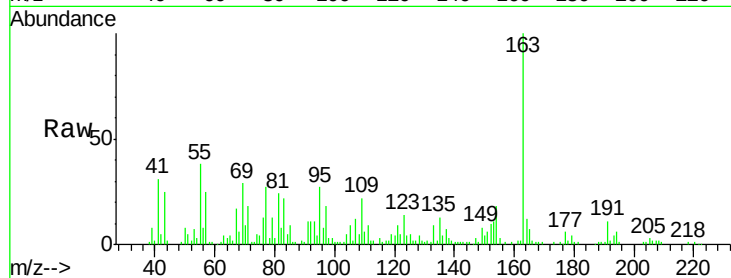
Tgt Ion:163 Resp: 97232

Ion Ratio Lower Upper

163 100

194 5.5 3.4 5.0#

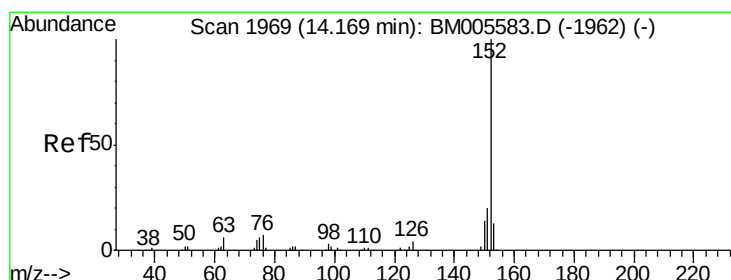
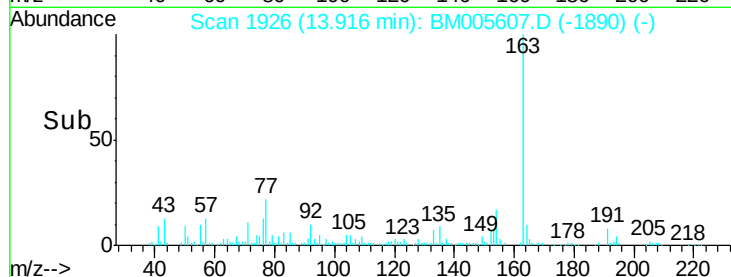
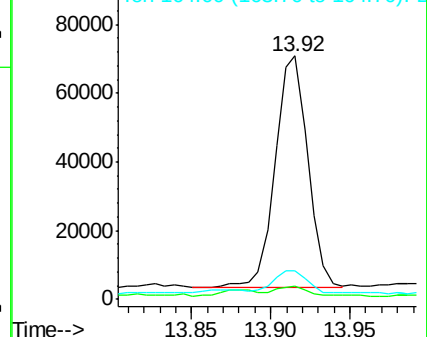
164 11.5 8.0 12.0



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: 7.98 ng/ul

RT: 14.19 min Scan# 1972

Delta R.T. 0.02 min

Lab File: BM005607.D

Acq: 23 May 2016 03:31

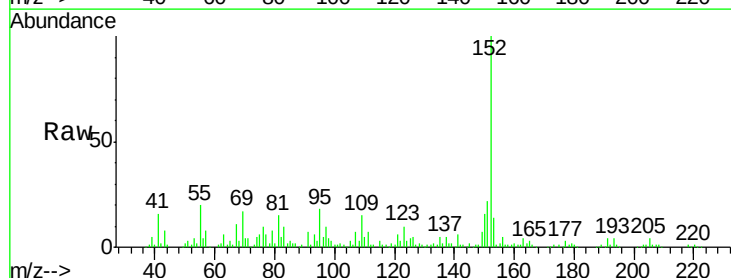
Tgt Ion:152 Resp: 230824

Ion Ratio Lower Upper

152 100

151 22.2 15.7 23.5

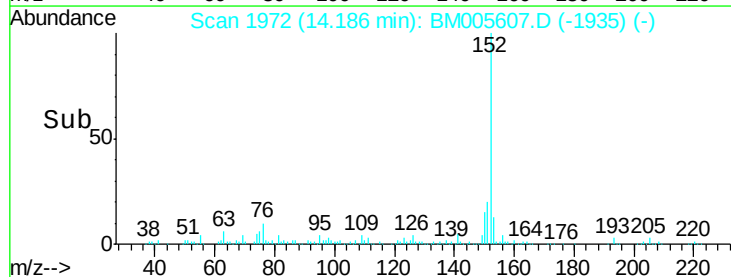
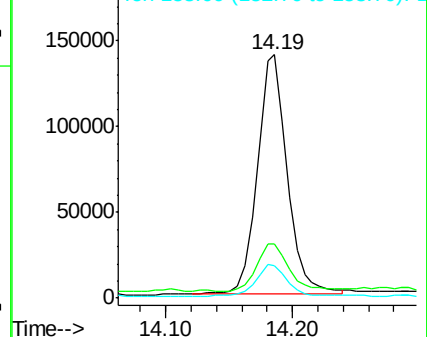
153 13.6 10.5 15.7

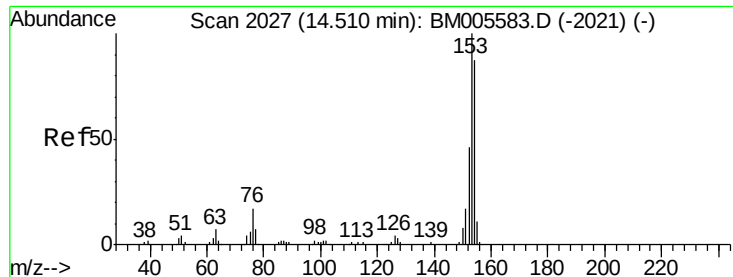


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 1.25 ng/ul

RT: 14.52 min Scan# 2029

Delta R.T. 0.01 min

Lab File: BM005607.D

Acq: 23 May 2016 03:31

Instrument :

BNA_M

ClientSampleId :

JHGF3

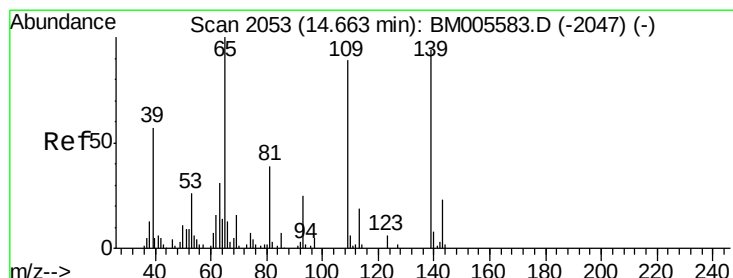
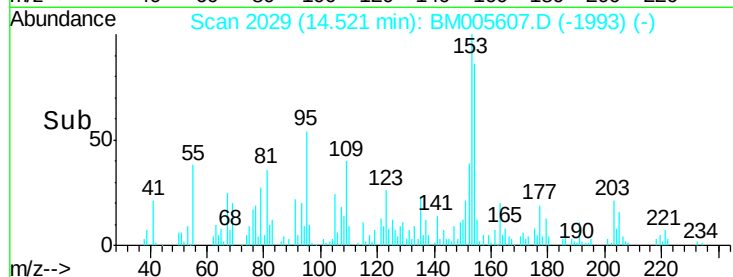
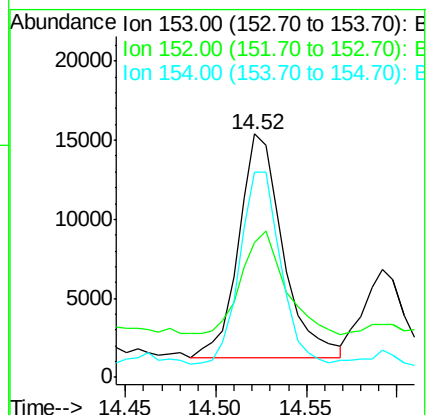
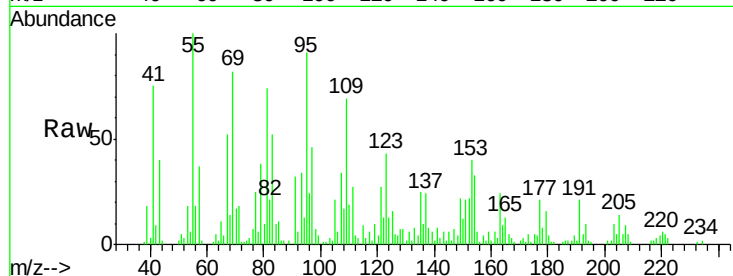
Tgt Ion:153 Resp: 23900

Ion Ratio Lower Upper

153 100

152 55.5 37.8 56.6

154 84.1 71.1 106.7



#52

4-Nitrophenol

Concen: 1.13 ng/ul

RT: 14.66 min Scan# 2053

Delta R.T. -0.00 min

Lab File: BM005607.D

Acq: 23 May 2016 03:31

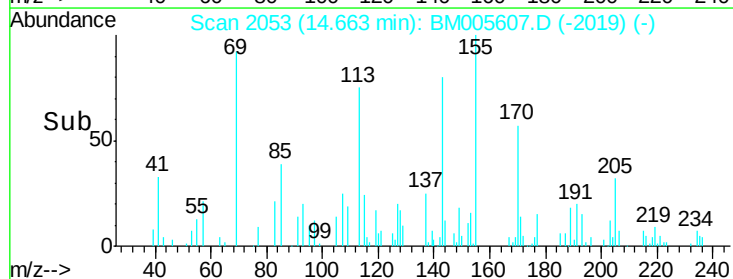
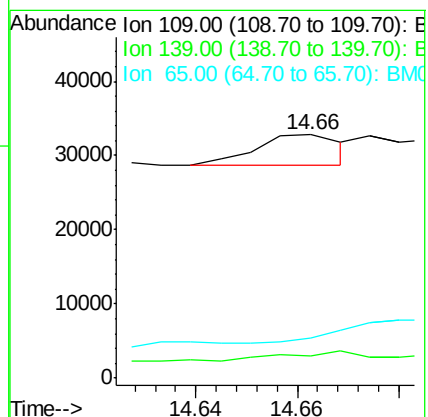
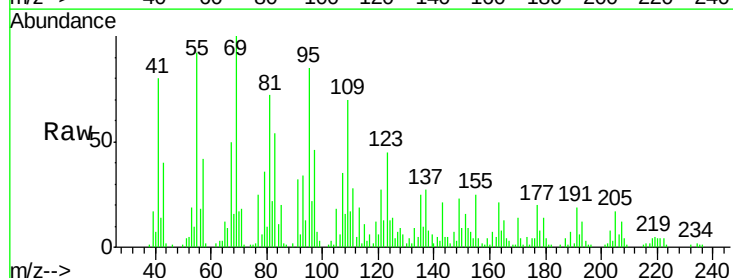
Tgt Ion:109 Resp: 4911

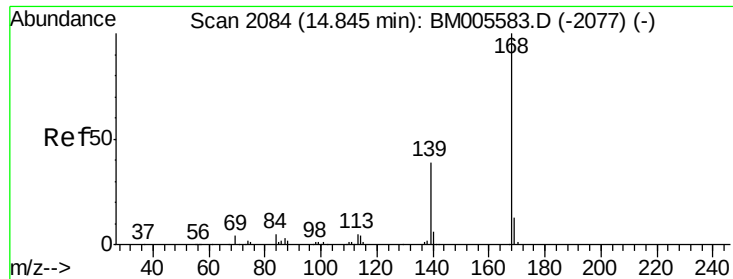
Ion Ratio Lower Upper

109 100

139 9.1 87.5 131.3#

65 16.4 90.2 135.2#





#53

Dibenzenofuran

Concen: 1.45 ng/ul

RT: 14.86 min Scan# 2086

Delta R.T. 0.01 min

Lab File: BM005607.D

Acq: 23 May 2016 03:31

Instrument :

BNA_M

ClientSampled :

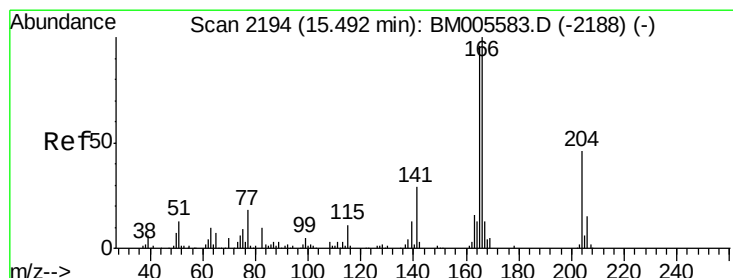
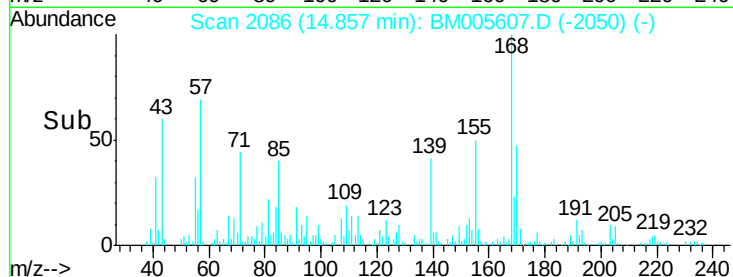
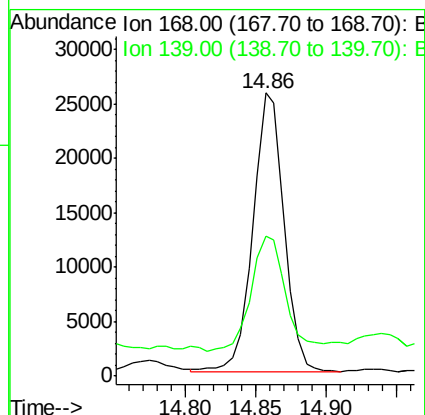
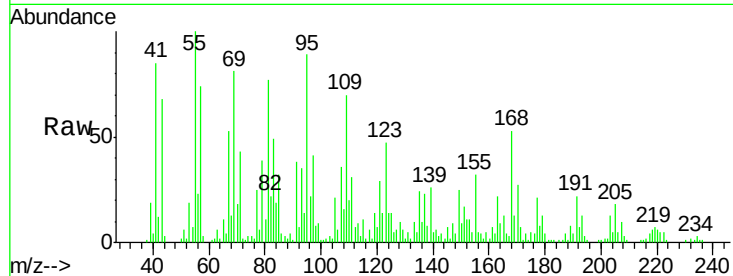
JHGF3

Tgt Ion:168 Resp: 39602

Ion Ratio Lower Upper

168 100

139 49.6 30.6 46.0#



#58

Fluorene

Concen: 3.17 ng/ul

RT: 15.51 min Scan# 2197

Delta R.T. 0.02 min

Lab File: BM005607.D

Acq: 23 May 2016 03:31

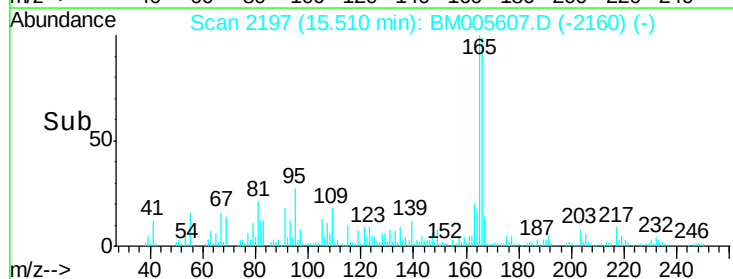
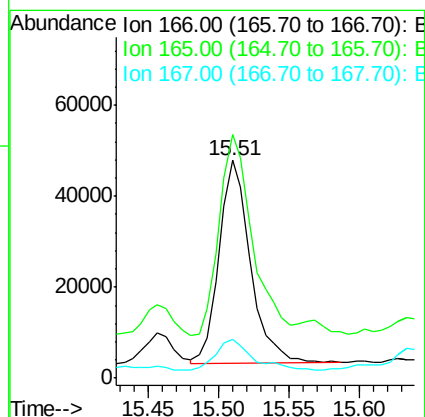
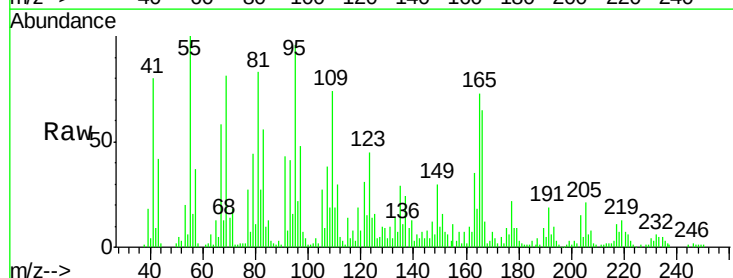
Tgt Ion:166 Resp: 69062

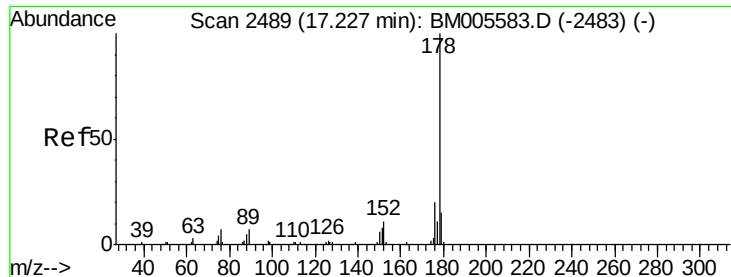
Ion Ratio Lower Upper

166 100

165 111.9 78.0 117.0

167 17.9 10.5 15.7#





#69

Phenanthrene

Concen: 32.81 ng/ul

RT: 17.26 min Scan# 2494

Delta R.T. 0.03 min

Lab File: BM005607.D

Acq: 23 May 2016 03:31

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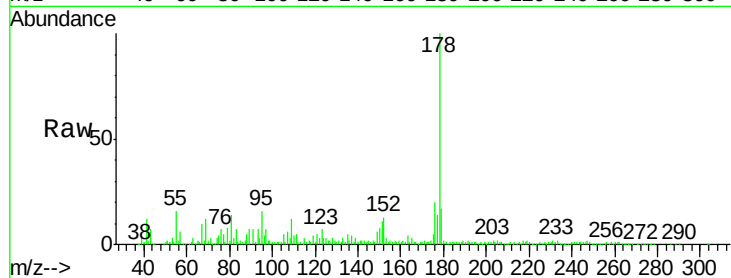
Tgt Ion:178 Resp: 1020823

Ion Ratio Lower Upper

178 100

179 16.7 12.2 18.2

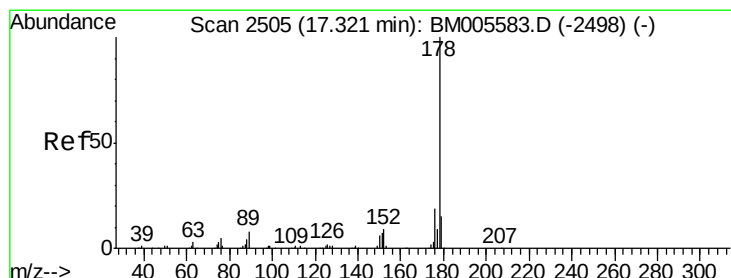
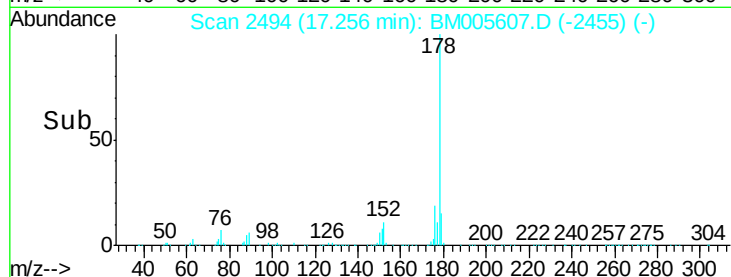
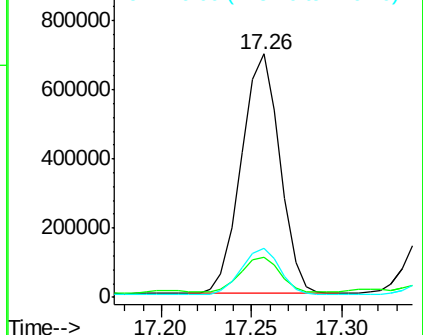
176 19.9 15.8 23.6



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: 32.19 ng/ul

RT: 17.26 min Scan# 2494

Delta R.T. -0.07 min

Lab File: BM005607.D

Acq: 23 May 2016 03:31

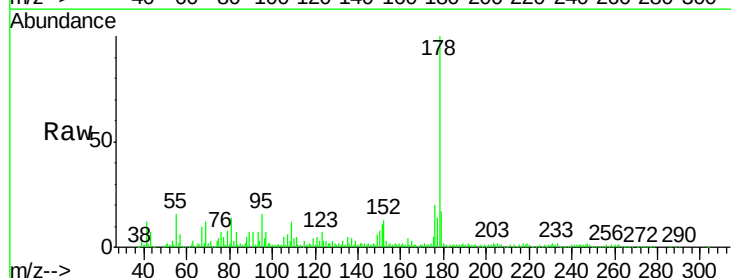
Tgt Ion:178 Resp: 1020823

Ion Ratio Lower Upper

178 100

179 16.7 12.6 18.8

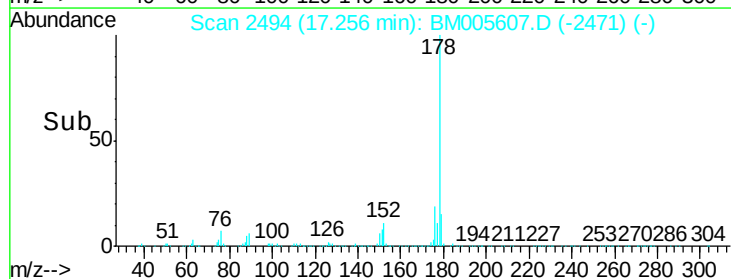
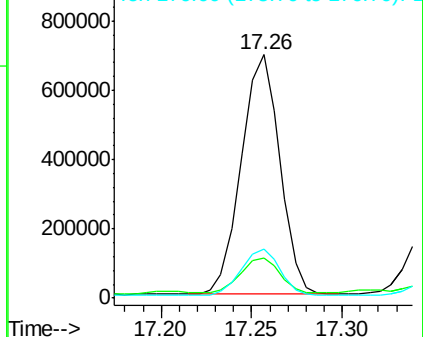
176 19.9 15.0 22.4

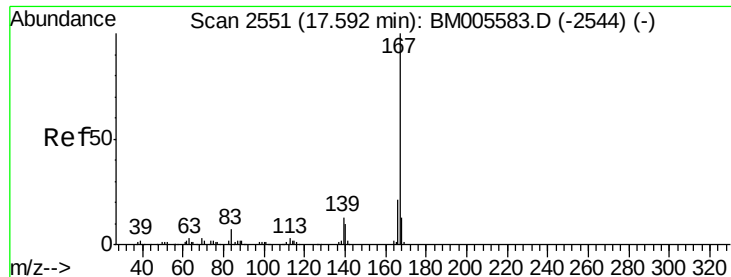


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 2.02 ng/ul

RT: 17.62 min Scan# 2555

Delta R.T. 0.02 min

Lab File: BM005607.D

Acq: 23 May 2016 03:31

Instrument :

BNA_M

ClientSampleId :

JHGF3

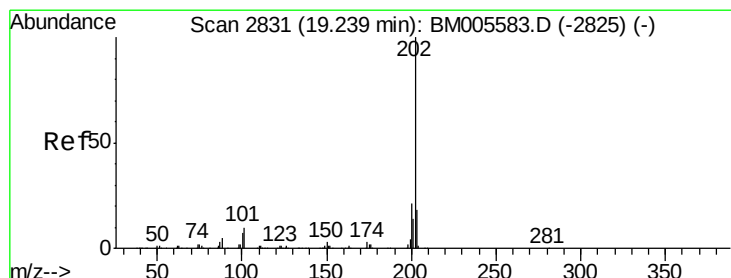
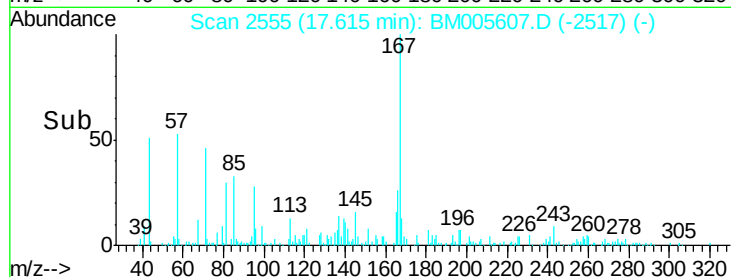
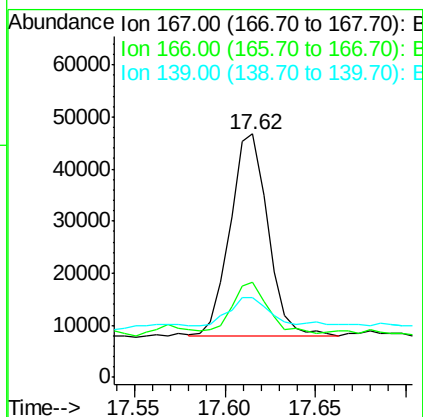
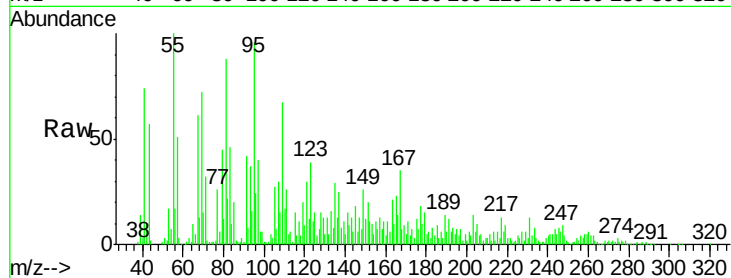
Tgt Ion:167 Resp: 55707

Ion Ratio Lower Upper

167 100

166 38.8 16.9 25.3#

139 32.9 10.6 16.0#



#74

Fluoranthene

Concen: 33.35 ng/ul

RT: 19.27 min Scan# 2836

Delta R.T. 0.03 min

Lab File: BM005607.D

Acq: 23 May 2016 03:31

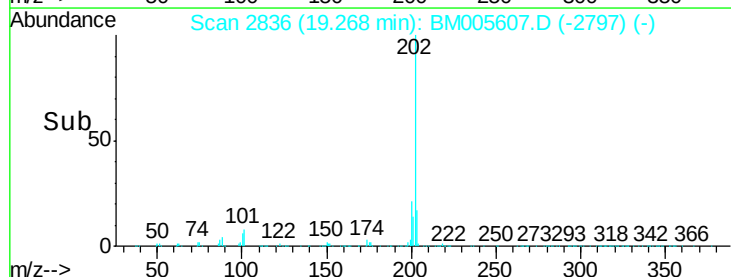
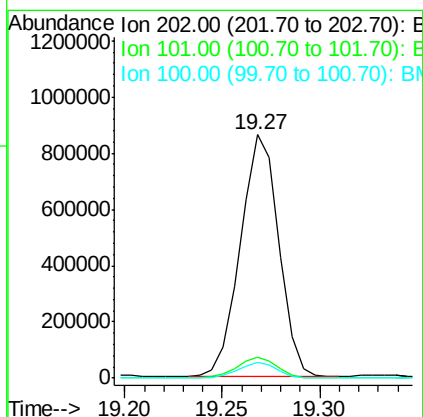
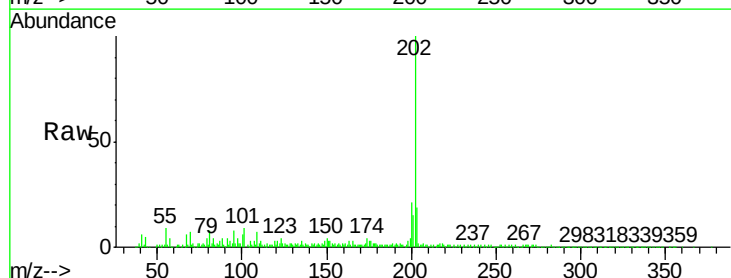
Tgt Ion:202 Resp: 1167857

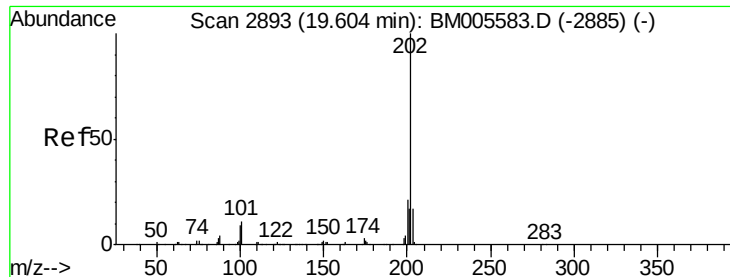
Ion Ratio Lower Upper

202 100

101 8.6 7.9 11.9

100 6.3 5.6 8.4

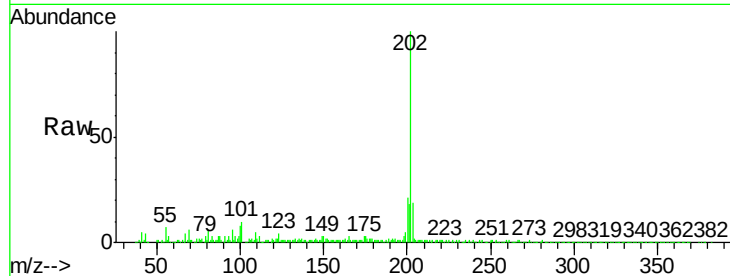




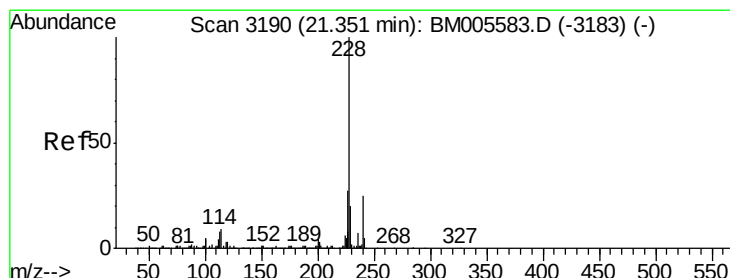
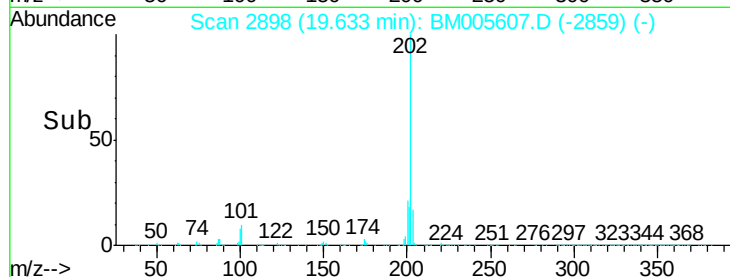
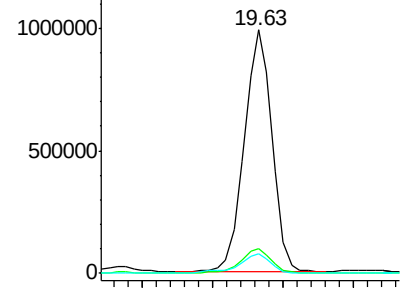
#77
 Pyrene
 Concen: 45.87 ng/ul
 RT: 19.63 min Scan# 2898
 Delta R.T. 0.03 min
 Lab File: BM005607.D
 Acq: 23 May 2016 03:31

Instrument :
 BNA_M
 ClientSampleId :
 JHGF3

Tgt Ion:202 Resp: 1360879
 Ion Ratio Lower Upper
 202 100
 101 10.1 9.6 14.4
 100 7.9 7.8 11.6

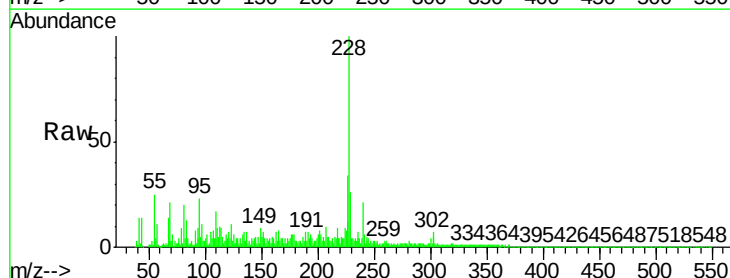


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

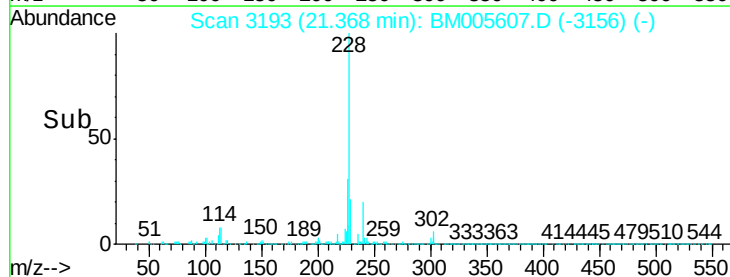
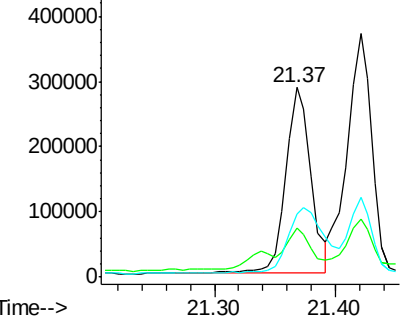


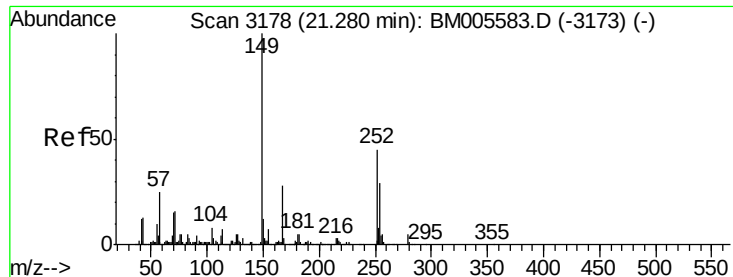
#80
 Benzo(a)anthracene
 Concen: 13.52 ng/ul
 RT: 21.37 min Scan# 3193
 Delta R.T. 0.02 min
 Lab File: BM005607.D
 Acq: 23 May 2016 03:31

Tgt Ion:228 Resp: 410121
 Ion Ratio Lower Upper
 228 100
 229 25.9 15.4 23.2#
 226 33.5 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





#81

Bis(2-ethylhexyl)phthalate

Concen: 1.56 ng/ul

RT: 21.29 min Scan# 3180

Delta R.T. 0.01 min

Lab File: BM005607.D

Acq: 23 May 2016 03:31

Instrument :

BNA_M

ClientSampled :

JHGF3

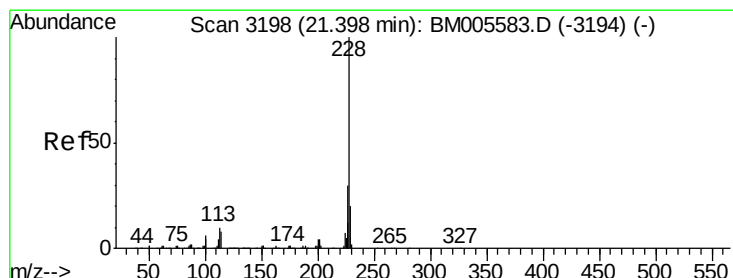
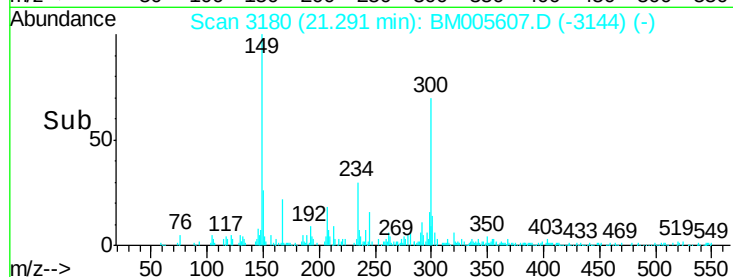
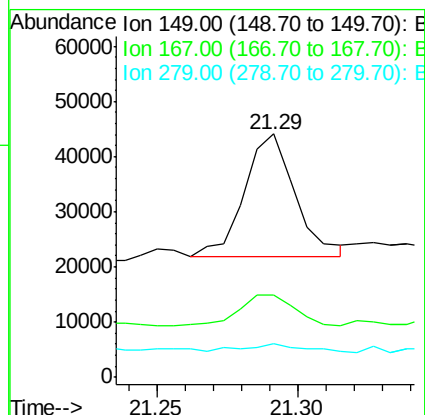
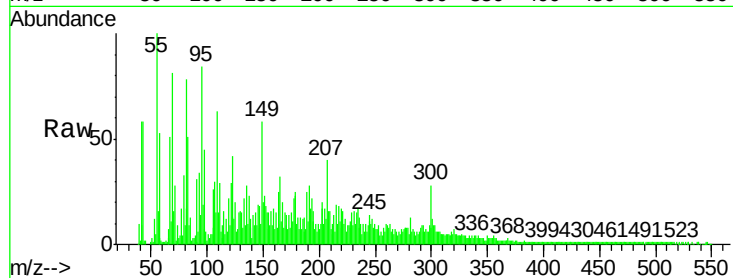
Tgt Ion:149 Resp: 27590

Ion Ratio Lower Upper

149 100

167 34.1 22.0 33.0#

279 13.8 3.8 5.8#



#82

Chrysene

Concen: 17.91 ng/ul

RT: 21.42 min Scan# 3202

Delta R.T. 0.02 min

Lab File: BM005607.D

Acq: 23 May 2016 03:31

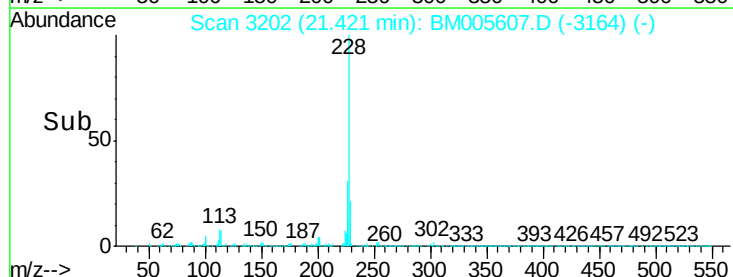
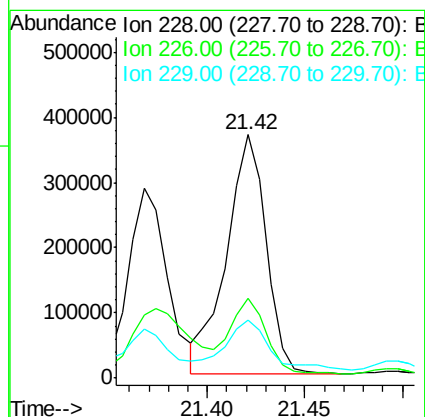
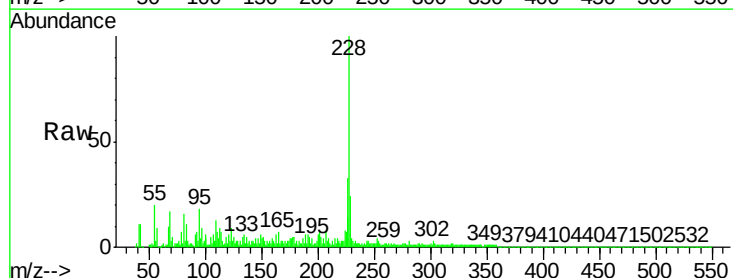
Tgt Ion:228 Resp: 517024

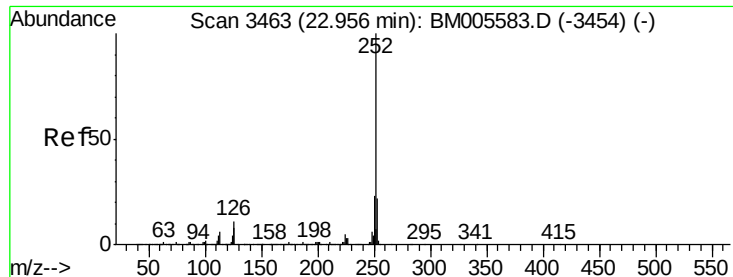
Ion Ratio Lower Upper

228 100

226 32.6 23.7 35.5

229 24.0 15.5 23.3#

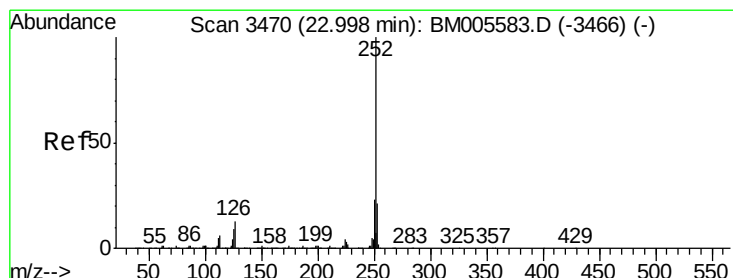
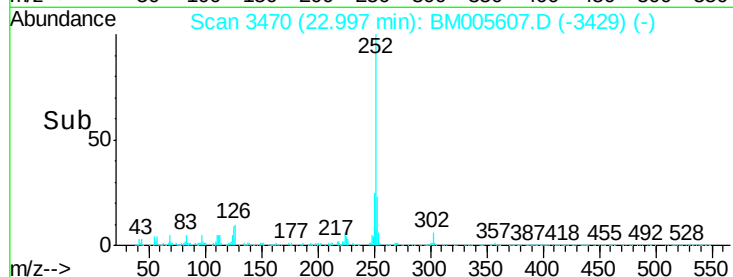
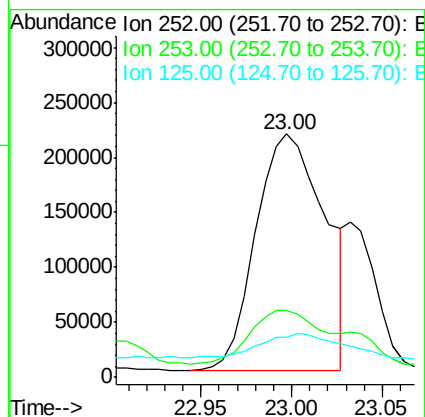
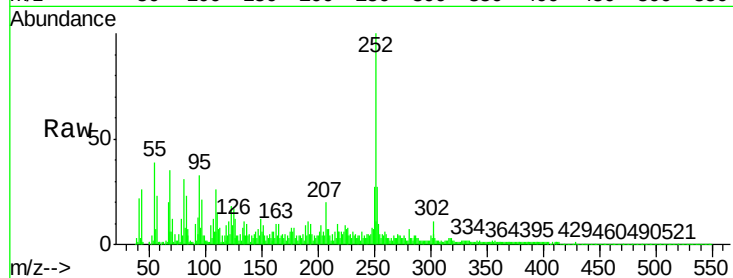




#85
Benzo(b)fluoranthene
Concen: 20.08 ng/ul
RT: 23.00 min Scan# 3470
Delta R.T. 0.04 min
Lab File: BM005607.D
Acq: 23 May 2016 03:31

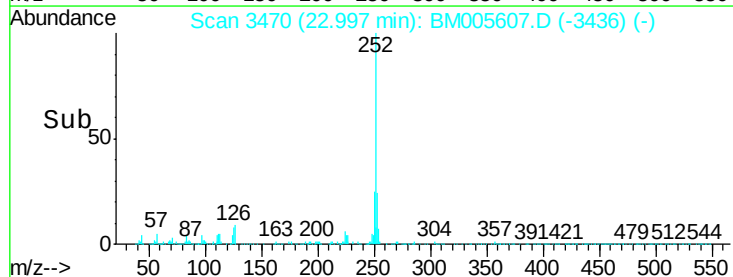
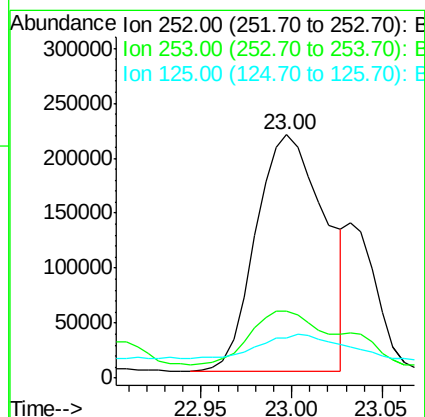
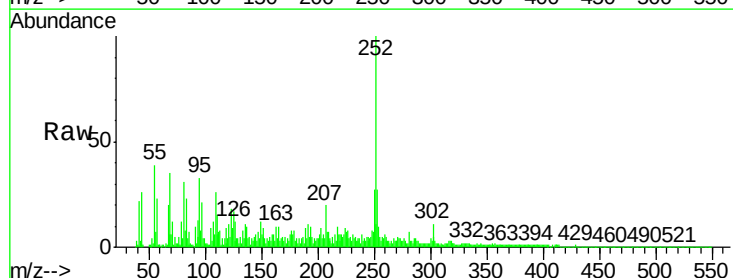
Instrument :
BNA_M
ClientSampleId :
JHGF3

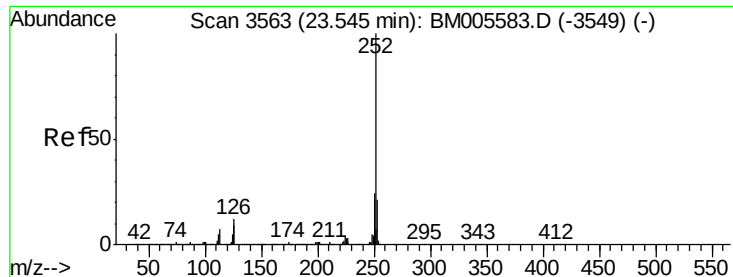
Tgt Ion:252 Resp: 571749
Ion Ratio Lower Upper
252 100
253 27.4 17.3 25.9#
125 16.7 7.0 10.4#



#86
Benzo(k)fluoranthene
Concen: 21.21 ng/ul
RT: 23.00 min Scan# 3470
Delta R.T. -0.00 min
Lab File: BM005607.D
Acq: 23 May 2016 03:31

Tgt Ion:252 Resp: 571749
Ion Ratio Lower Upper
252 100
253 27.4 17.5 26.3#
125 16.7 7.0 10.6#





#88

Benzo(a)pyrene

Concen: 17.19 ng/ul

RT: 23.59 min Scan# 3571

Delta R.T. 0.05 min

Lab File: BM005607.D

Acq: 23 May 2016 03:31

Instrument :

BNA_M

ClientSampleId :

JHGF3

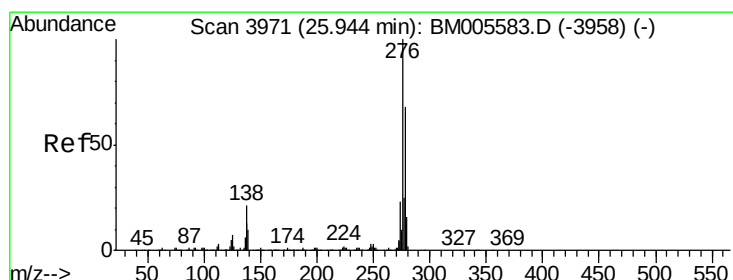
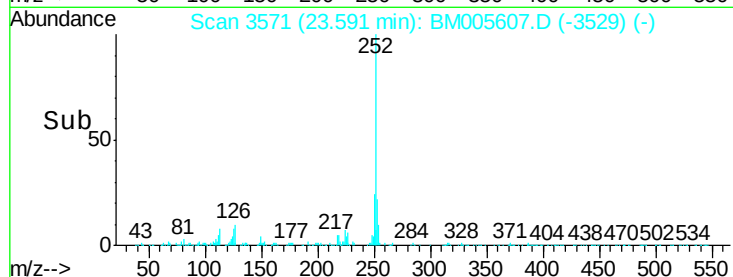
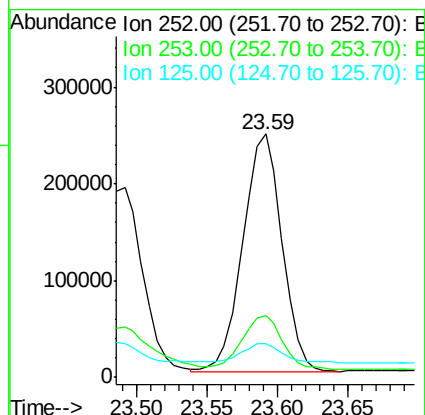
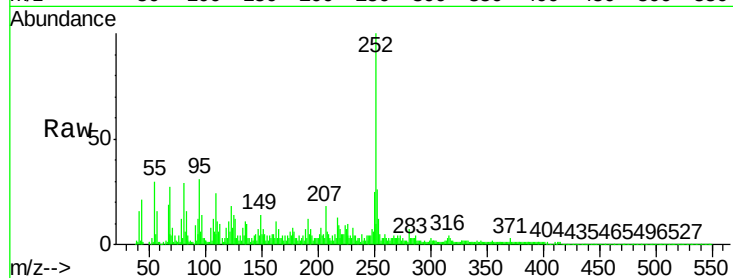
Tgt Ion:252 Resp: 474683

Ion Ratio Lower Upper

252 100

253 25.7 17.6 26.4

125 13.8 7.6 11.4#



#89

Indeno(1,2,3-cd)pyrene

Concen: 12.50 ng/ul

RT: 26.04 min Scan# 3987

Delta R.T. 0.09 min

Lab File: BM005607.D

Acq: 23 May 2016 03:31

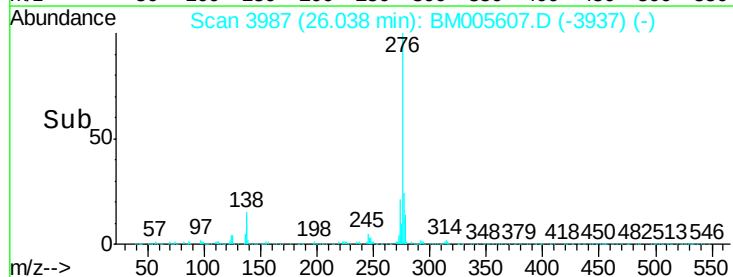
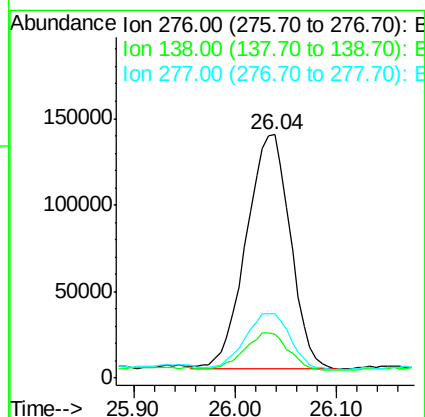
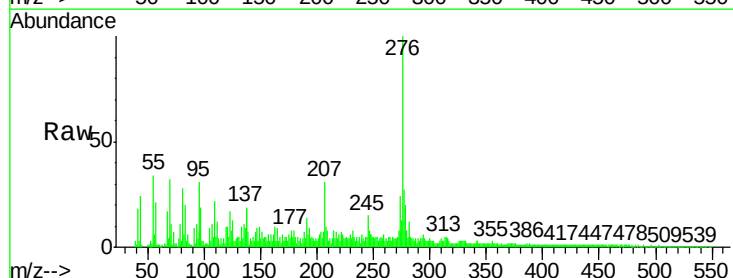
Tgt Ion:276 Resp: 410272

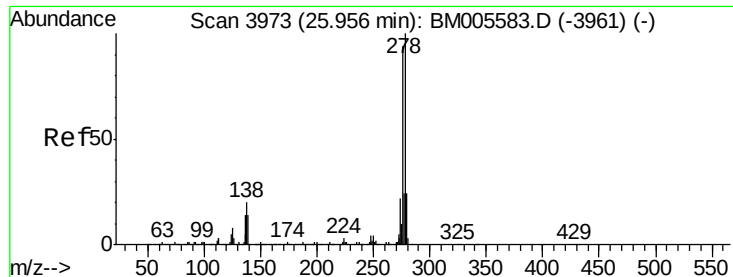
Ion Ratio Lower Upper

276 100

138 18.3 16.9 25.3

277 26.6 20.2 30.4





#90

Dibenzo(a,h)anthracene

Concen: 2.94 ng/ul

RT: 26.04 min Scan# 3987

Delta R.T. 0.08 min

Lab File: BM005607.D

Acq: 23 May 2016 03:31

Instrument :

BNA_M

ClientSampleId :

JHGF3

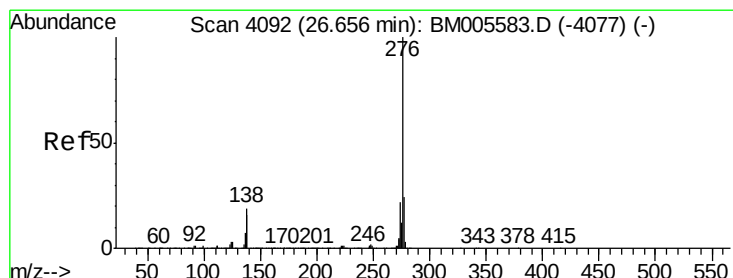
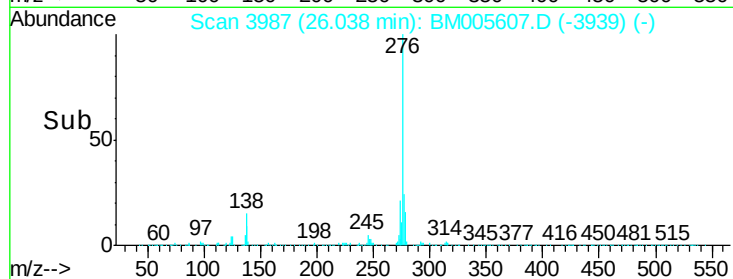
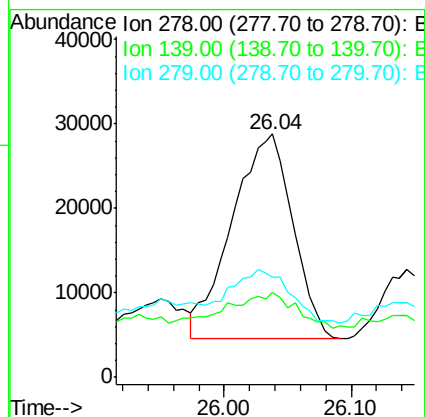
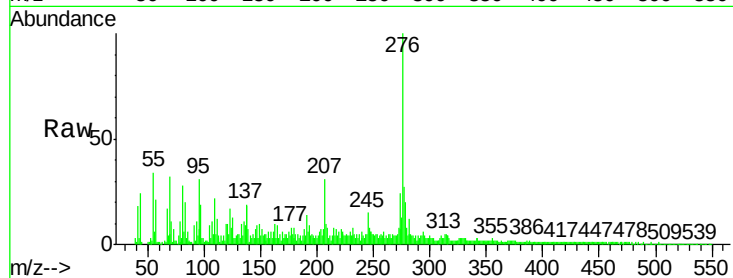
Tgt Ion:278 Resp: 80279

Ion Ratio Lower Upper

278 100

139 34.7 11.8 17.6#

279 41.1 19.4 29.2#



#91

Benzo(g,h,i)perylene

Concen: 16.18 ng/ul

RT: 26.76 min Scan# 4109

Delta R.T. 0.10 min

Lab File: BM005607.D

Acq: 23 May 2016 03:31

Tgt Ion:276 Resp: 446277

Ion Ratio Lower Upper

276 100

138 18.5 15.0 22.6

277 25.8 18.6 28.0

