

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
 Data File : BM003211.D
 Acq On : 20 Nov 2015 04:01
 Operator : UM/IZ
 Sample : G4323-32MS
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4J60MS

Quant Time: Nov 20 07:50:26 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 20 03:16:26 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	17833	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	66339	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	32642	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	71132	0.40	ng/ul	0.00
18) Chrysene-d12	21.33	240	73706	0.40	ng/ul	0.00
22) Perylene-d12	23.59	264	73856	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.18	96	621	0.03	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	12.12	152	15122	0.17	ng/ul	0.00
16) Fluoranthene-d10	19.16	212	33722	0.19	ng/ul	0.00

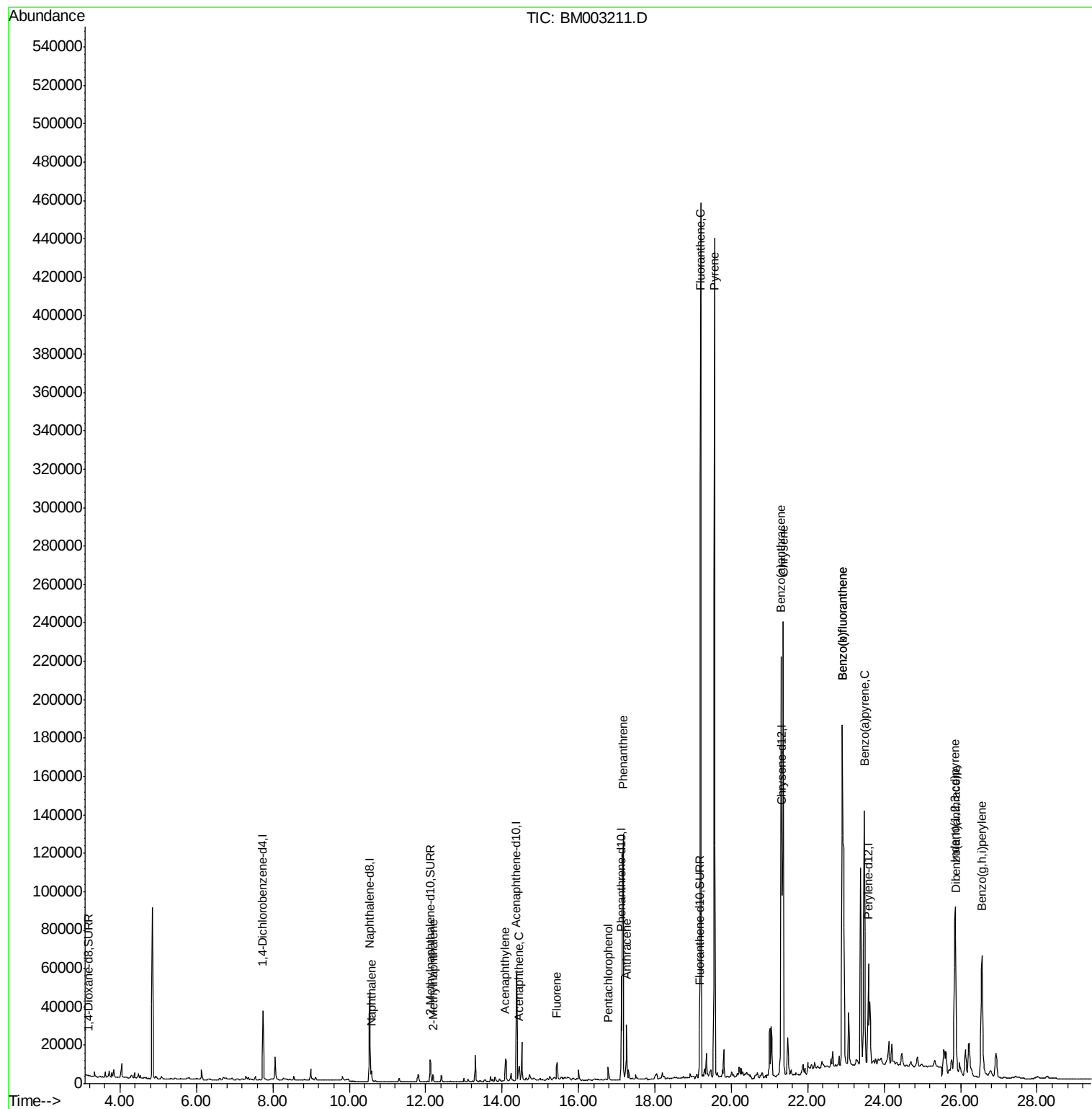
Target Compounds				Ovalue		
5) Naphthalene	10.58	128	8016	0.05	ng/ul#	93
7) 2-Methylnaphthalene	12.19	142	2801	0.03	ng/ul#	100
9) Acenaphthylene	14.09	152	18874	0.14	ng/ul	97
10) Acenaphthene	14.45	153	5666	0.05	ng/ul	96
11) Fluorene	15.44	166	9095	0.07	ng/ul#	95
13) Pentachlorophenol	16.78	266	5053	0.30	ng/ul#	18
14) Phenanthrene	17.17	178	192879	0.93	ng/ul	100
15) Anthracene	17.26	178	35626	0.21	ng/ul	99
17) Fluoranthene	19.20	202	440564	1.92	ng/ul	94
19) Pyrene	19.56	202	409980	1.62	ng/ul	95
20) Benzo(a)anthracene	21.31	228	188155	0.88	ng/ul#	93
21) Chrysene	21.36	228	222082	0.92	ng/ul	95
23) Benzo(b)fluoranthene	22.90	252	398095	1.42	ng/ul	98
24) Benzo(k)fluoranthene	22.90	252	398095	1.50	ng/ul#	95
25) Benzo(a)pyrene	23.48	252	195959	0.78	ng/ul	98
26) Indeno(1,2,3-cd)pyrene	25.86	276	141334	0.47	ng/ul#	100
27) Dibenzo(a,h)anthracene	25.87	278	32490	0.14	ng/ul#	81
28) Benzo(a,h,i)perylene	26.56	276	134527	0.51	ng/ul	98

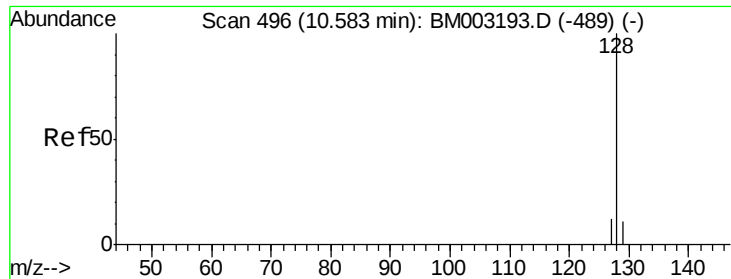
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.05 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. -0.00 min

Lab File: BM003211.D

Acq: 20 Nov 2015 04:01

Instrument :

BNA_M

ClientSampleId :

A4J60MS

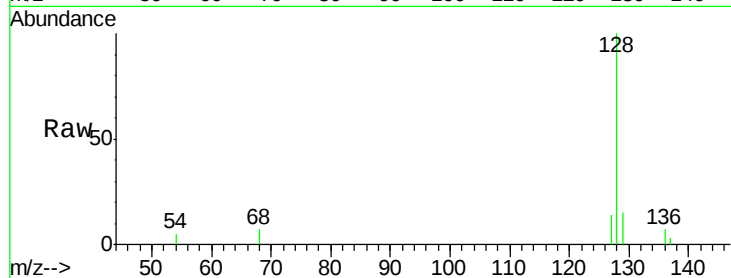
Tot Ion:128 Resp: 8016

Ion Ratio Lower Upper

128 100

129 14.7 9.0 13.6#

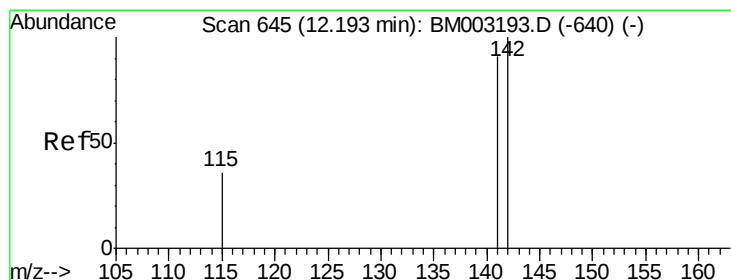
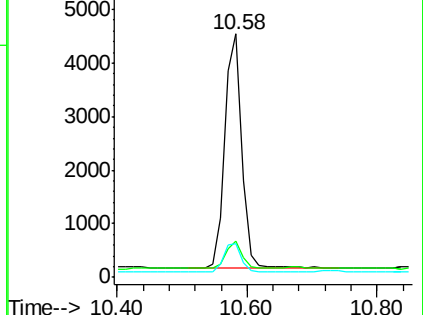
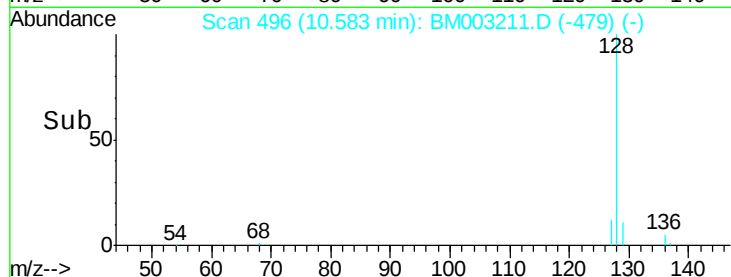
127 13.8 9.6 14.4



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



#7

2-Methylnaphthalene

Concen: 0.03 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM003211.D

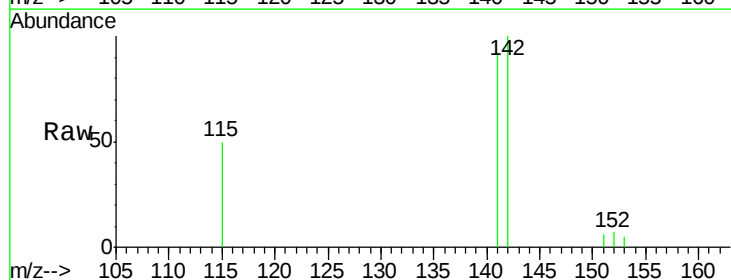
Acq: 20 Nov 2015 04:01

Tgt Ion:142 Resp: 2801

Ion Ratio Lower Upper

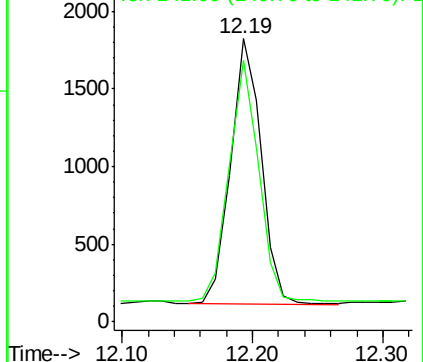
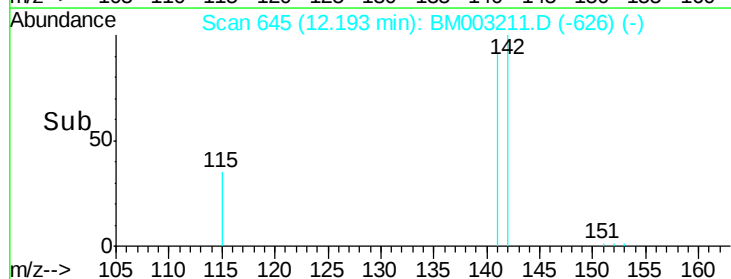
142 100

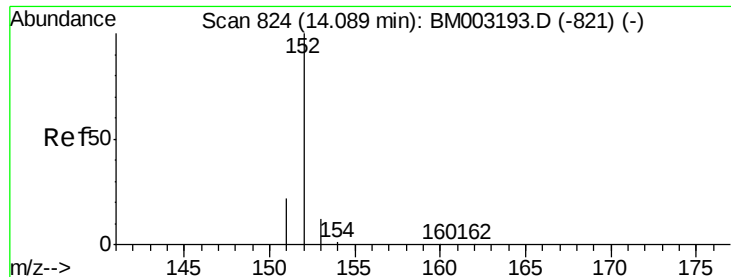
141 87.3 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.14 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM003211.D

Acq: 20 Nov 2015 04:01

Instrument :

BNA_M

ClientSampleId :

A4J60MS

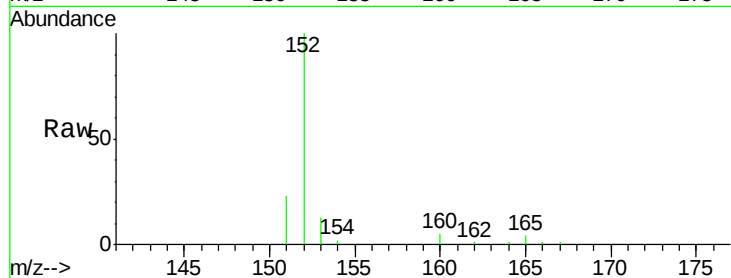
Tot Ion:152 Resp: 18874

Ion Ratio Lower Upper

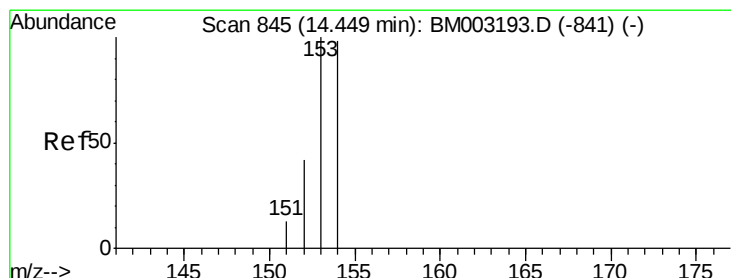
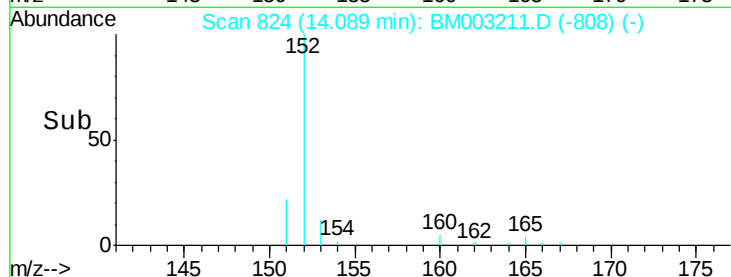
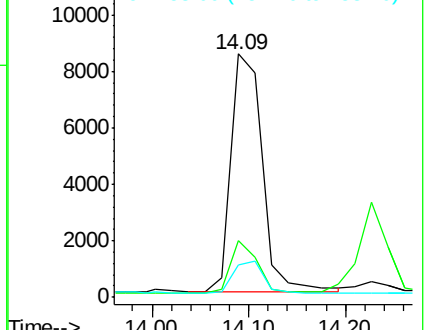
152 100

151 23.1 17.6 26.4

153 13.4 9.7 14.5



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



#10

Acenaphthene

Concen: 0.05 ng/ul

RT: 14.45 min Scan# 845

Delta R.T. -0.00 min

Lab File: BM003211.D

Acq: 20 Nov 2015 04:01

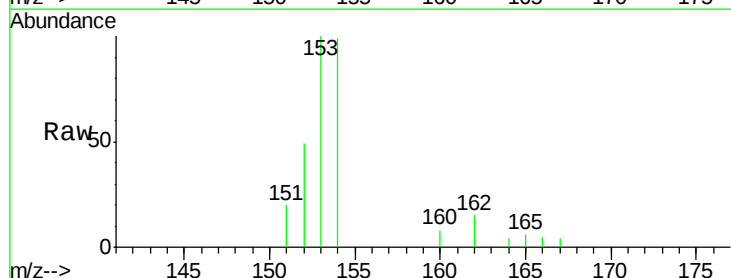
Tgt Ion:153 Resp: 5666

Ion Ratio Lower Upper

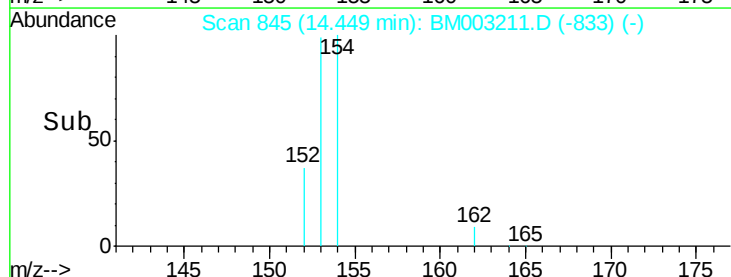
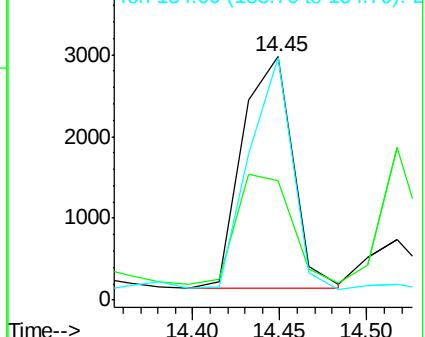
153 100

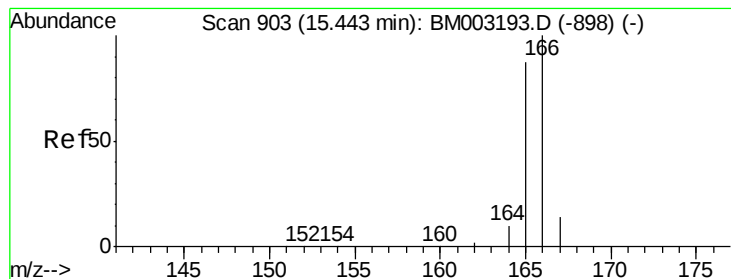
152 49.1 33.9 50.9

154 99.4 80.6 121.0



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





#11

Fluorene

Concen: 0.07 ng/ul

RT: 15.44 min Scan# 903

Delta R.T. -0.00 min

Lab File: BM003211.D

Acq: 20 Nov 2015 04:01

Instrument :

BNA_M

ClientSampleId :

A4J60MS

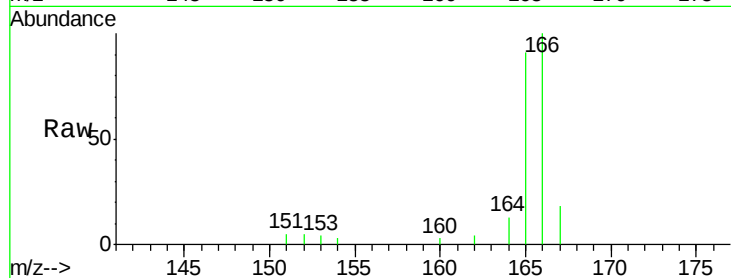
Tot Ion:166 Resp: 9095

Ion Ratio Lower Upper

166 100

165 90.5 69.6 104.4

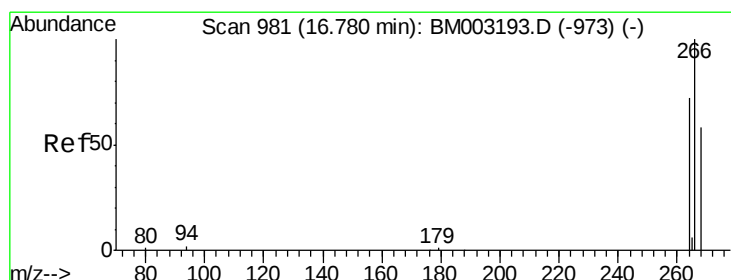
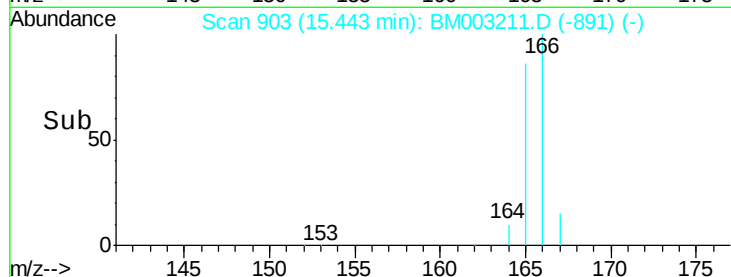
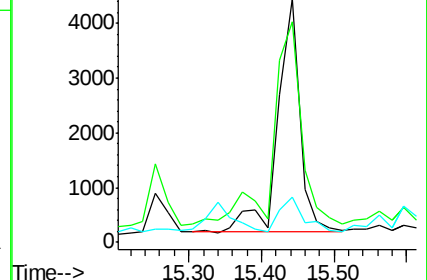
167 18.5 11.9 17.9#



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



#13

Pentachlorophenol

Concen: 0.30 ng/ul

RT: 16.78 min Scan# 981

Delta R.T. -0.00 min

Lab File: BM003211.D

Acq: 20 Nov 2015 04:01

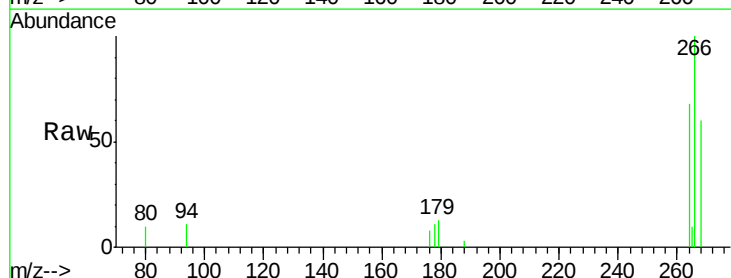
Tgt Ion:266 Resp: 5053

Ion Ratio Lower Upper

266 100

264 62.4 0.3 0.5#

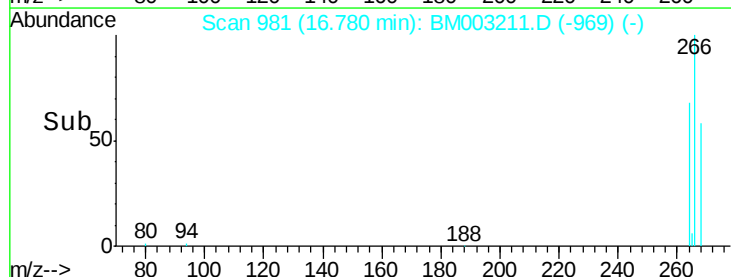
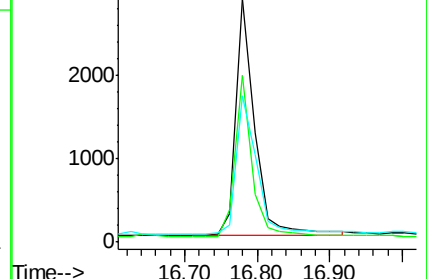
268 63.1 0.0 0.0#

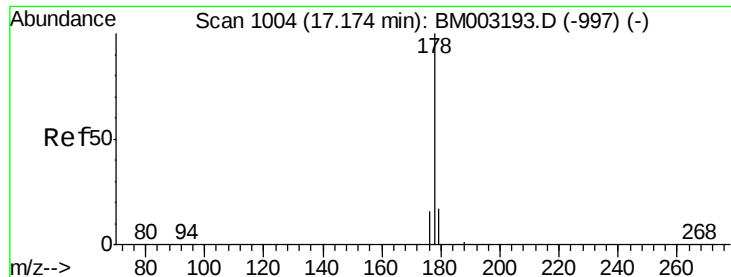


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 0.93 ng/ul

RT: 17.17 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BM003211.D

Acq: 20 Nov 2015 04:01

Instrument :

BNA_M

ClientSampleId :

A4J60MS

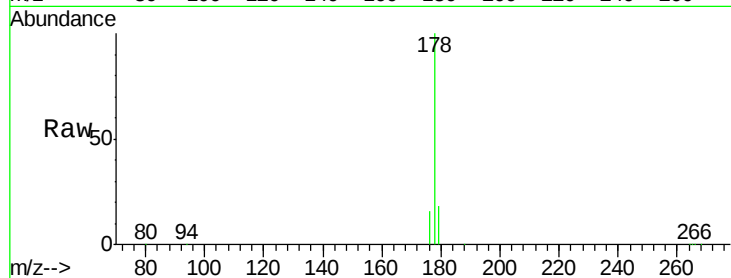
Tot Ion:178 Resp: 192879

Ion Ratio Lower Upper

178 100

176 16.2 13.0 19.4

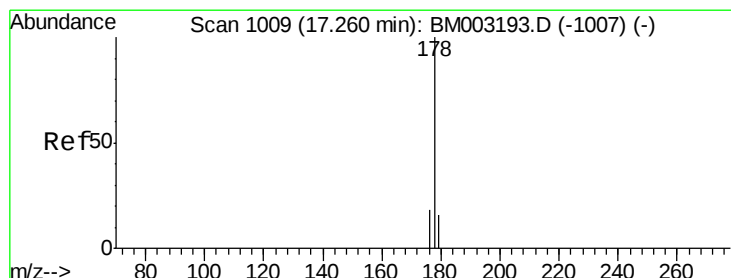
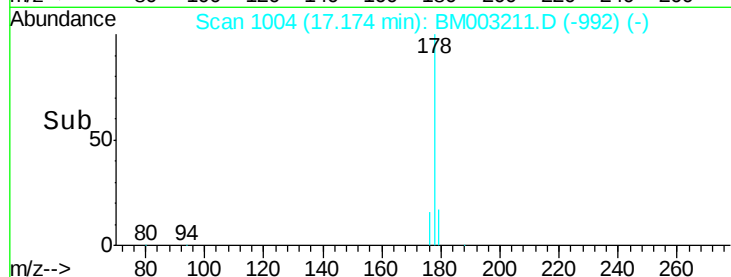
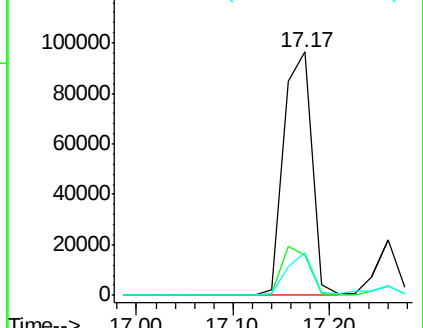
179 17.5 14.2 21.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#15

Anthracene

Concen: 0.21 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BM003211.D

Acq: 20 Nov 2015 04:01

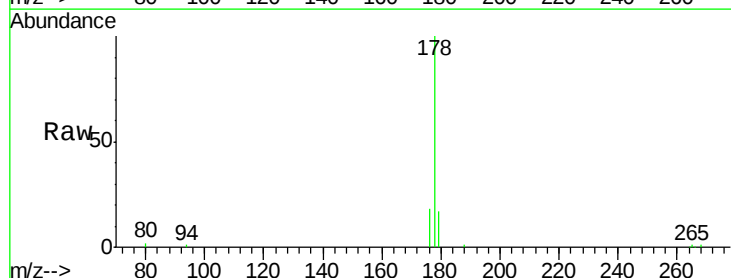
Tgt Ion:178 Resp: 35626

Ion Ratio Lower Upper

178 100

176 18.0 14.0 21.0

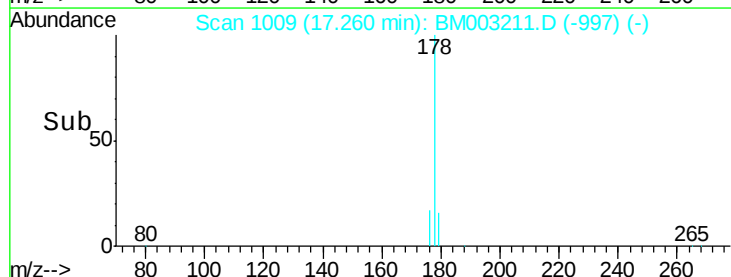
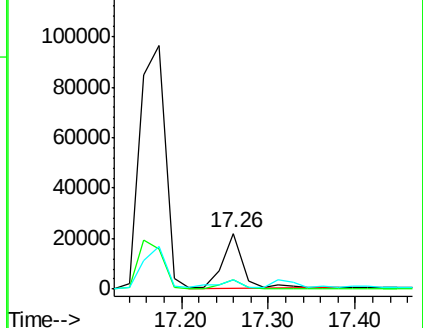
179 16.7 12.9 19.3

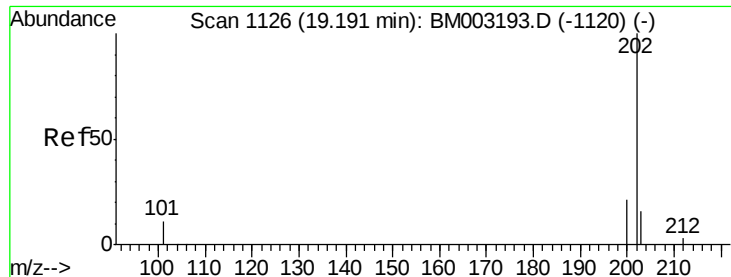


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

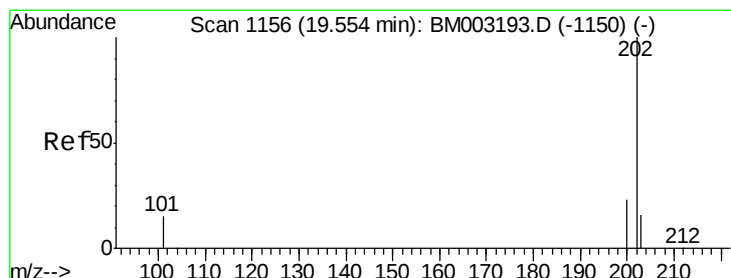
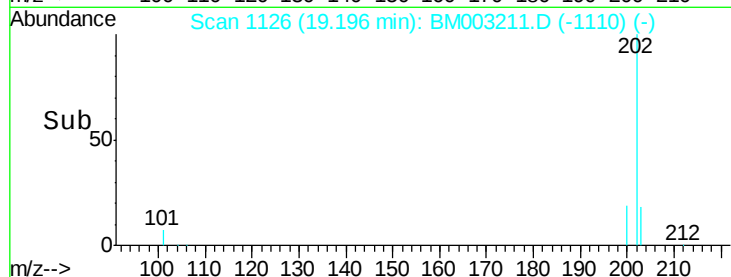
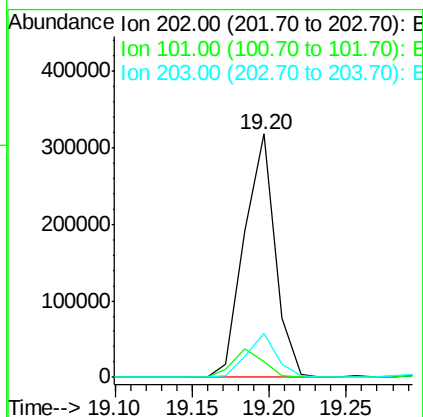
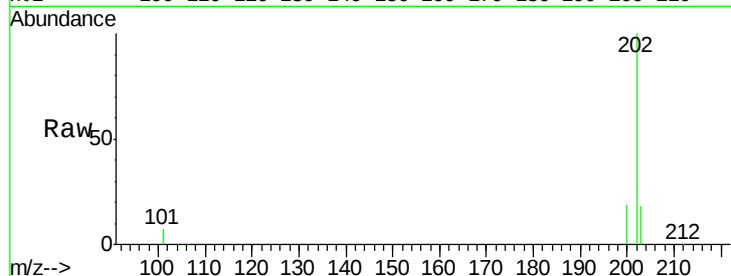




#17
Fluoranthene
 Concen: 1.92 ng/ul
 RT: 19.20 min Scan# 1126
 Delta R.T. 0.01 min
 Lab File: BM003211.D
 Acq: 20 Nov 2015 04:01

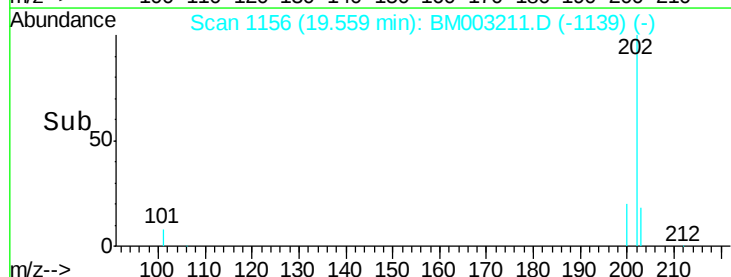
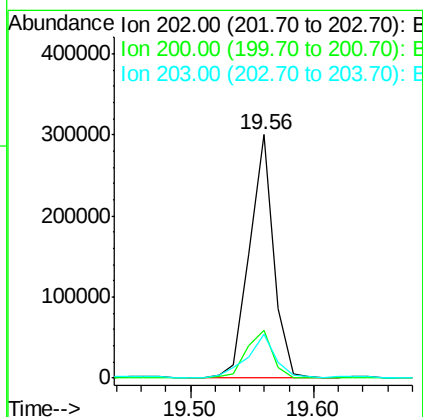
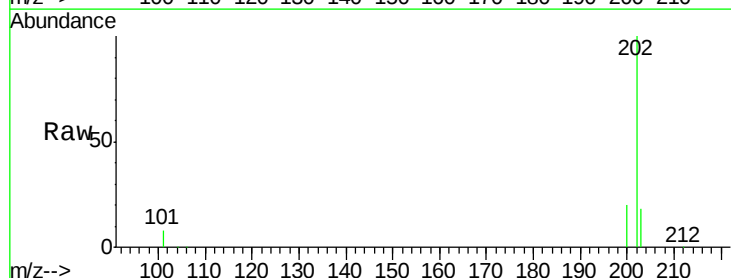
Instrument :
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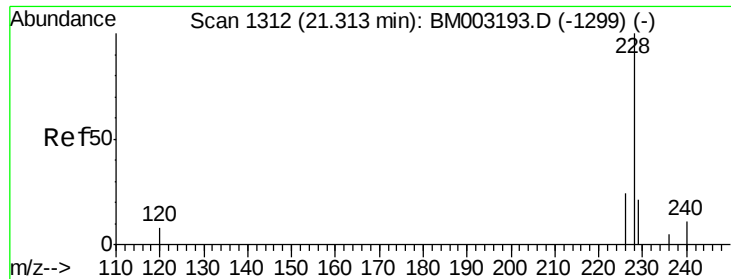
Tot Ion:202 Resp: 440564
 Ion Ratio Lower Upper
 202 100
 101 6.7 0.0 29.6
 203 18.2 0.0 36.3



#19
Pyrene
 Concen: 1.62 ng/ul
 RT: 19.56 min Scan# 1156
 Delta R.T. 0.01 min
 Lab File: BM003211.D
 Acq: 20 Nov 2015 04:01

Tgt Ion:202 Resp: 409980
 Ion Ratio Lower Upper
 202 100
 200 19.8 17.8 26.8
 203 18.0 12.8 19.2





#20

Benzo(a)anthracene

Concen: 0.88 ng/ul

RT: 21.31 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BM003211.D

Acq: 20 Nov 2015 04:01

Instrument :

BNA_M

ClientSampleId :

A4J60MS

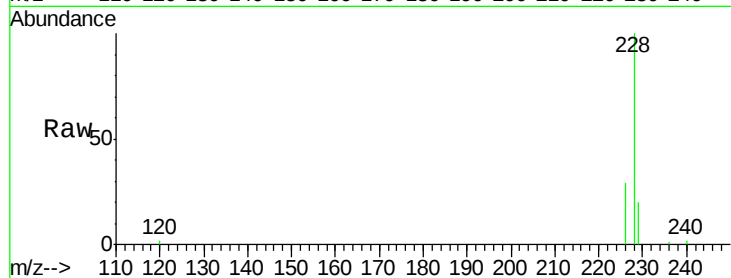
Tot Ion:228 Resp: 188155

Ion Ratio Lower Upper

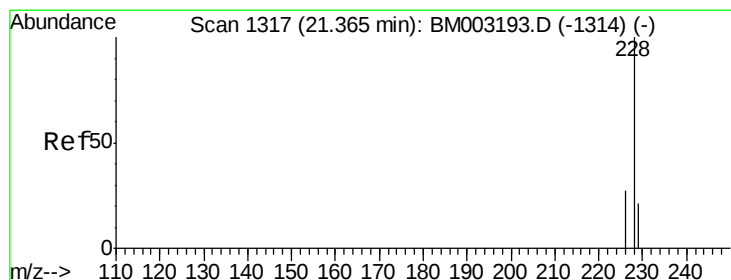
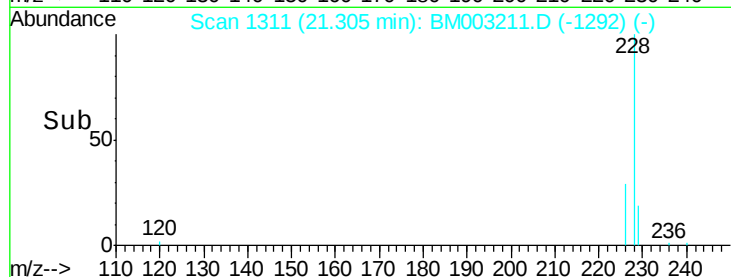
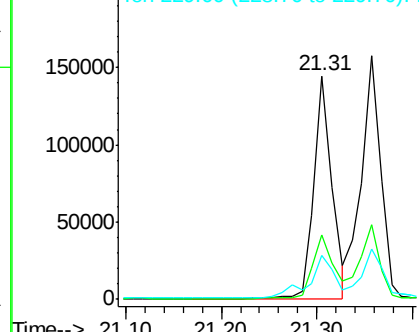
228 100

226 29.0 18.8 28.2#

229 19.8 17.1 25.7



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



#21

Chrysene

Concen: 0.92 ng/ul

RT: 21.36 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BM003211.D

Acq: 20 Nov 2015 04:01

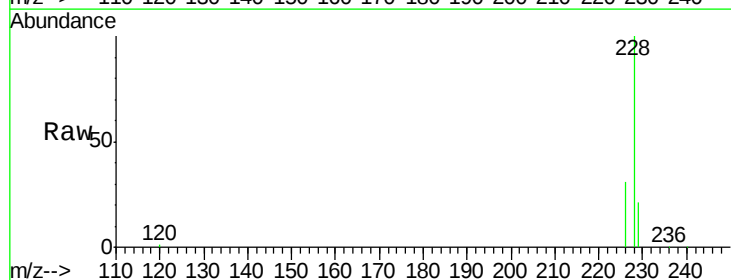
Tgt Ion:228 Resp: 222082

Ion Ratio Lower Upper

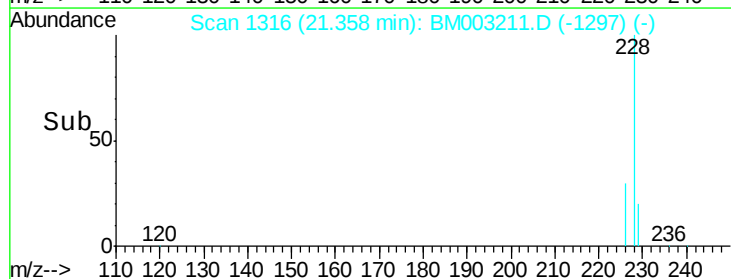
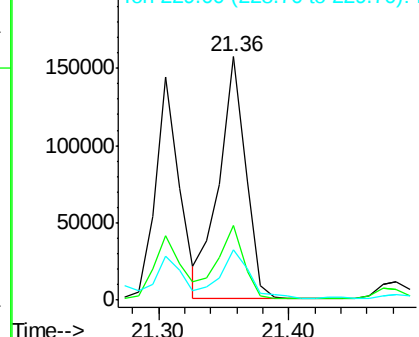
228 100

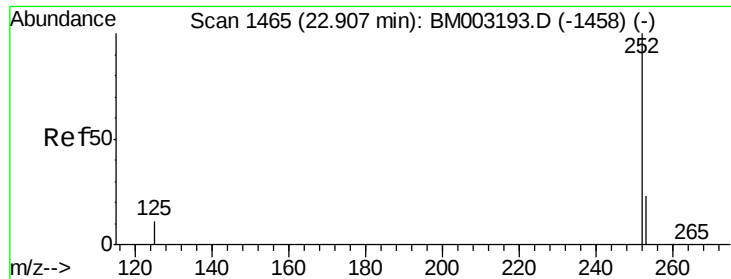
226 30.6 21.2 31.8

229 20.8 17.0 25.6



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





#23

Benzo(b)fluoranthene

Concen: 1.42 ng/ul

RT: 22.90 min Scan# 1464

Delta R.T. -0.01 min

Lab File: BM003211.D

Acq: 20 Nov 2015 04:01

Instrument :

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A4J60MS

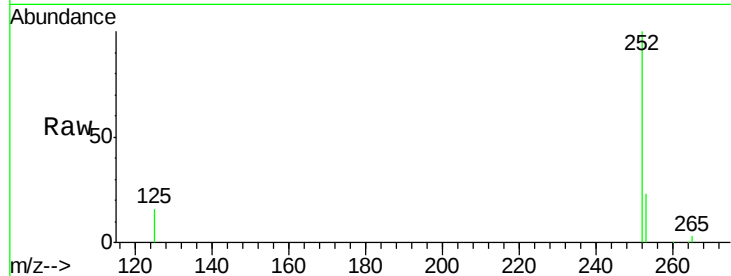
Tot Ion:252 Resp: 398095

Ion Ratio Lower Upper

252 100

253 23.2 0.0 45.4

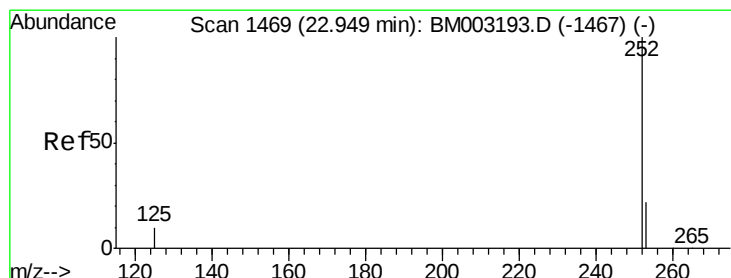
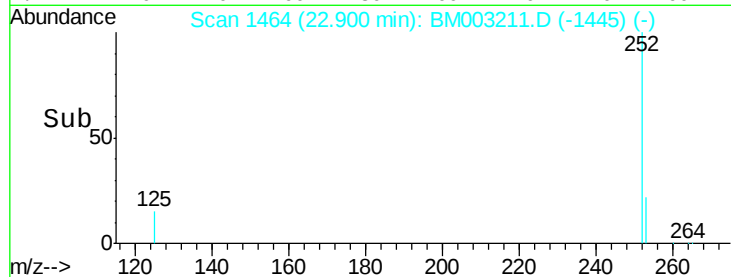
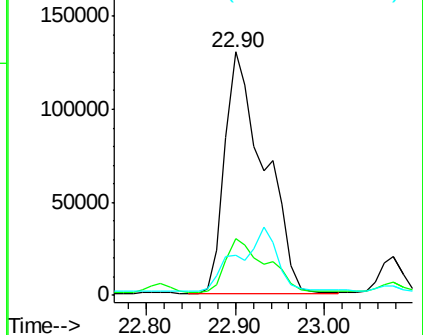
125 16.3 0.0 28.8



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



#24

Benzo(k)fluoranthene

Concen: 1.50 ng/ul

RT: 22.90 min Scan# 1464

Delta R.T. -0.05 min

Lab File: BM003211.D

Acq: 20 Nov 2015 04:01

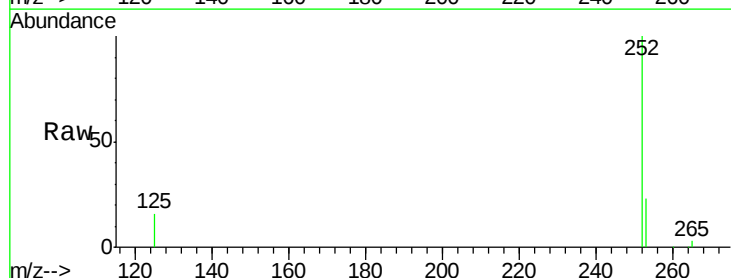
Tgt Ion:252 Resp: 398095

Ion Ratio Lower Upper

252 100

253 23.2 19.8 29.8

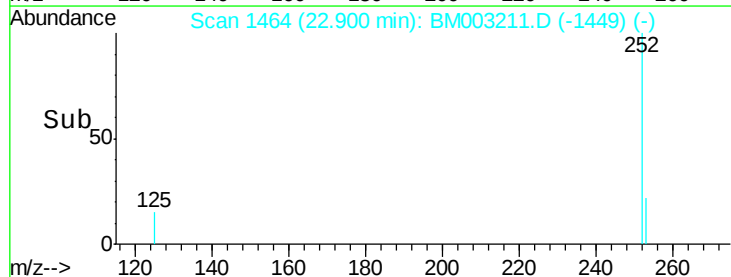
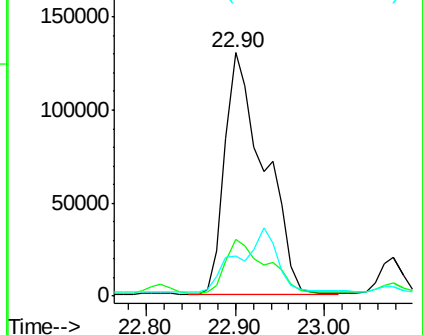
125 16.3 10.4 15.6#

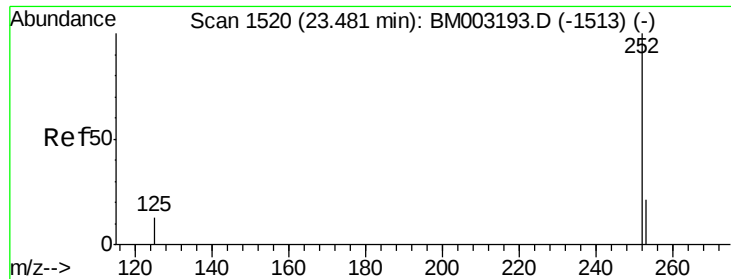


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.78 ng/ul

RT: 23.48 min Scan# 1520

Delta R.T. 0.00 min

Lab File: BM003211.D

Acq: 20 Nov 2015 04:01

Instrument :

BNA_M

ClientSampleId :

A4J60MS

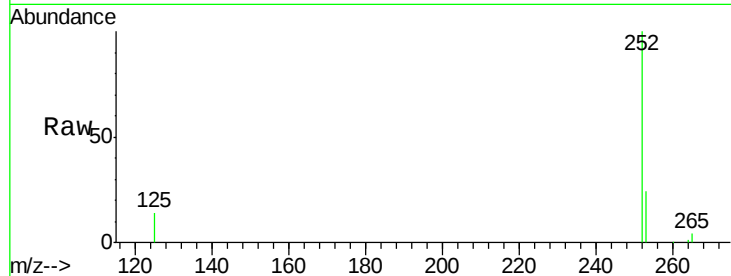
Tot Ion:252 Resp: 195959

Ion Ratio Lower Upper

252 100

253 24.4 19.4 29.2

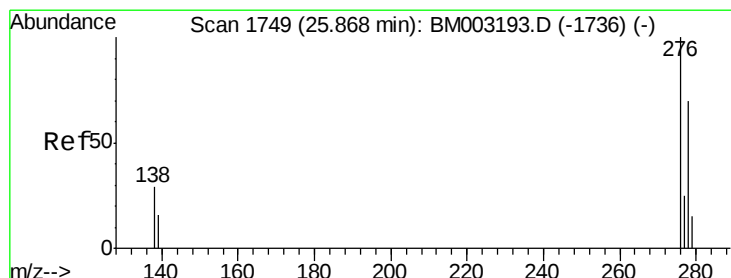
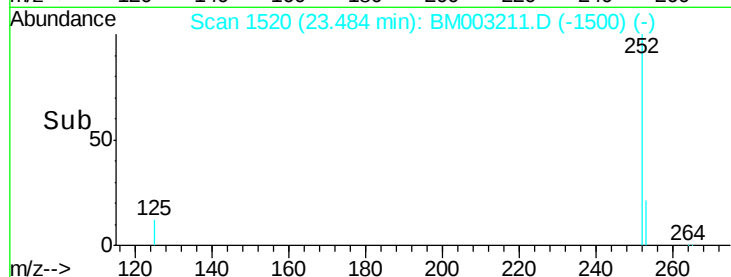
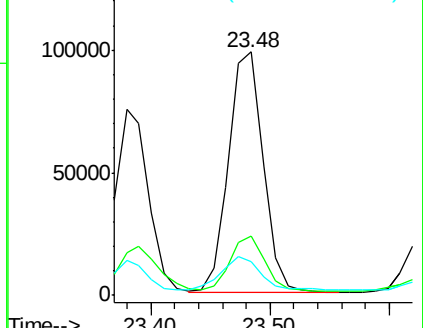
125 13.8 12.7 19.1



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



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.47 ng/ul

RT: 25.86 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BM003211.D

Acq: 20 Nov 2015 04:01

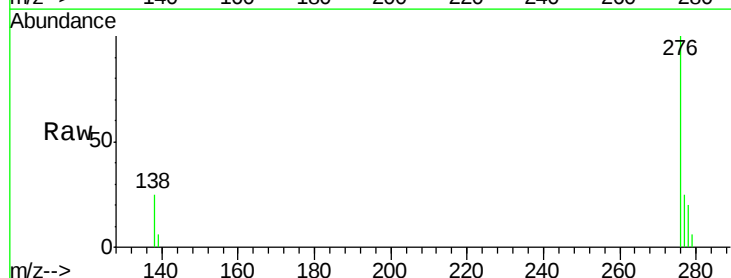
Tgt Ion:276 Resp: 141334

Ion Ratio Lower Upper

276 100

138 26.2 0.0 0.0#

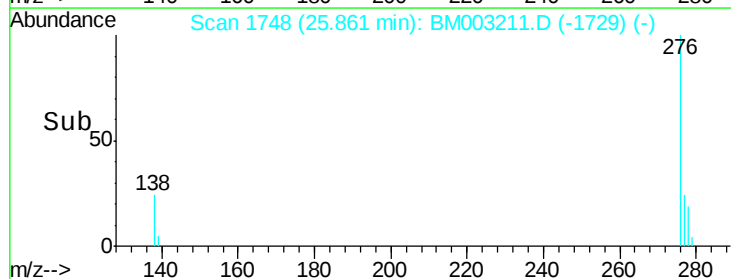
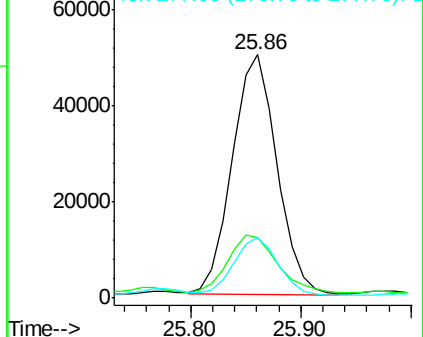
277 23.9 0.0 0.0#

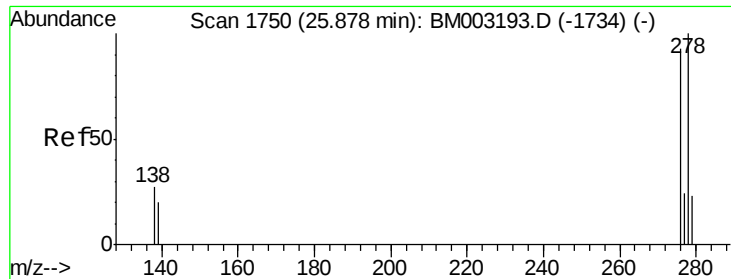


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

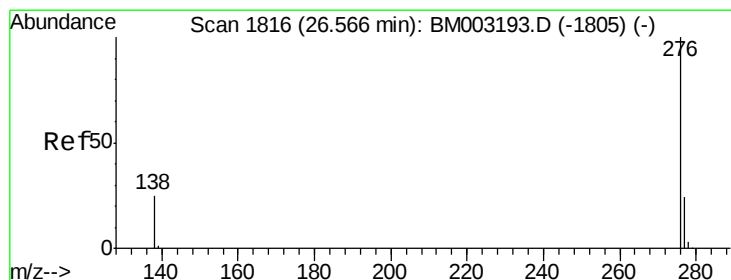
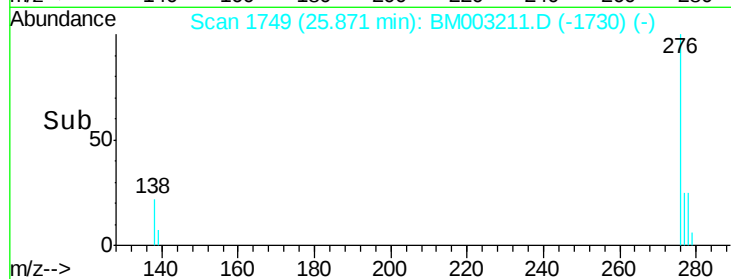
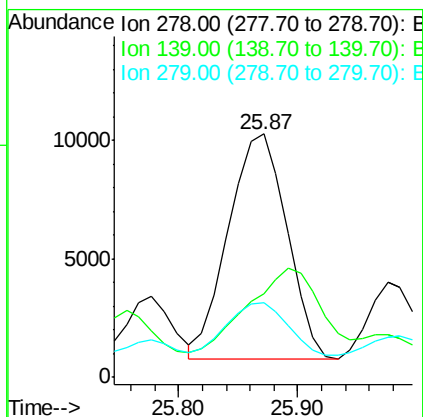
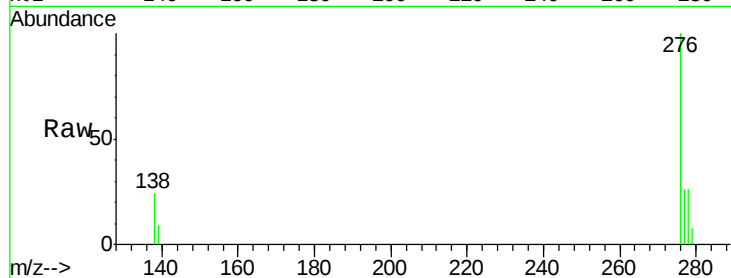




#27
Dibenzo(a,h)anthracene
Concen: 0.14 ng/ul
RT: 25.87 min Scan# 1749
Delta R.T. -0.01 min
Lab File: BM003211.D
Acq: 20 Nov 2015 04:01

Instrument :
BNA_M
ClientSampleId :
A4J60MS

Tot Ion:278 Resp: 32490
Ion Ratio Lower Upper
278 100
139 34.5 16.4 24.6#
279 30.6 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.51 ng/ul
RT: 26.56 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BM003211.D
Acq: 20 Nov 2015 04:01

Tgt Ion:276 Resp: 134527
Ion Ratio Lower Upper
276 100
277 24.3 18.9 28.3
138 26.4 22.5 33.7

