

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
 Data File : BM003208.D
 Acq On : 20 Nov 2015 02:11
 Operator : UM/IZ
 Sample : G4323-29
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4J58

Quant Time: Nov 20 03:42:40 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	11455	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	44981	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	27815	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	3405526	0.40	ng/ul	0.10
18) Chrysene-d12	21.32	240	62459	0.40	ng/ul	-0.01
22) Perylene-d12	23.44	264	3700337	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.20	96	77128	6.30	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	20965	0.34	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	44283	0.01	ng/ul	0.00

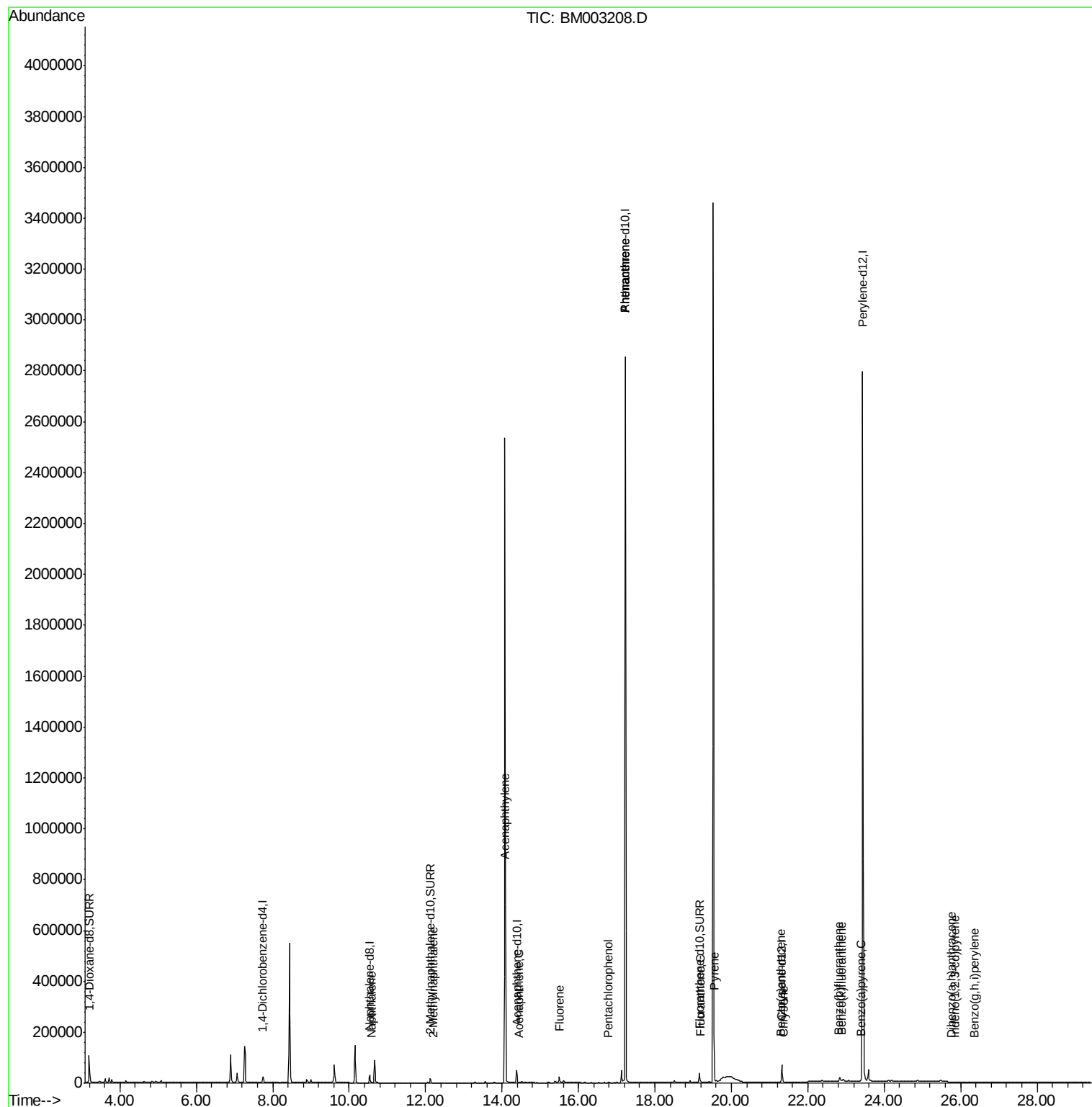
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Naphthalene	10.58	128	3578	0.03	ng/ul#	84
7) 2-Methylnaphthalene	12.19	142	467	0.01	ng/ul#	100
9) Acenaphthylene	14.09	152	1558	0.01	ng/ul#	50
10) Acenaphthene	14.45	153	610	0.01	ng/ul#	85
11) Fluorene	15.49	166	415	0.00	ng/ul#	1
13) Pentachlorophenol	16.78	266	1138	0.00	ng/ul#	17
14) Phenanthrene	17.23	178	2781	0.00	ng/ul#	1
15) Anthracene	17.23	178	2682	0.00	ng/ul#	1
17) Fluoranthene	19.19	202	8699	0.00	ng/ul	83
19) Pyrene	19.55	202	14682	0.07	ng/ul#	58
20) Benzo(a)anthracene	21.30	228	4211	0.02	ng/ul#	66
21) Chrysene	21.35	228	3929	0.02	ng/ul#	71
23) Benzo(b)fluoranthene	22.82	252	196	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.90	252	7977	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.39	252	3310	0.00	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.86	276	2350	0.00	ng/ul#	100
27) Dibenzo(a,h)anthracene	25.76	278	94	0.00	ng/ul#	1
28) Benzo(a,h,i)perylene	26.37	276	164	0.00	ng/ul#	1

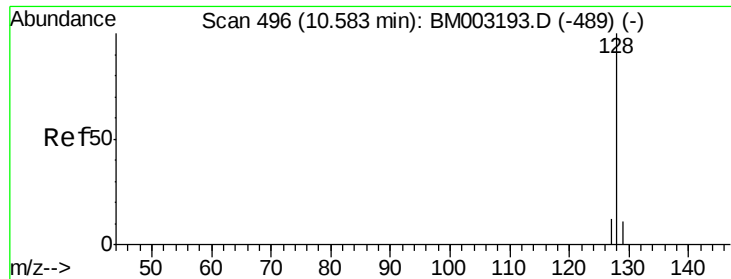
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.03 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. 0.00 min

Lab File: BM003208.D

Acq: 20 Nov 2015 02:11

Instrument :

BNA_M

ClientSampleId :

A4J58

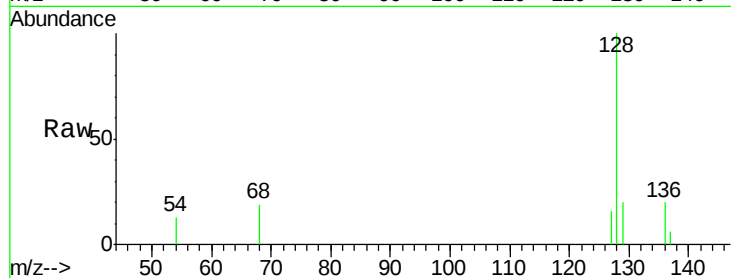
Tot Ion:128 Resp: 3578

Ion Ratio Lower Upper

128 100

129 19.9 9.0 13.6#

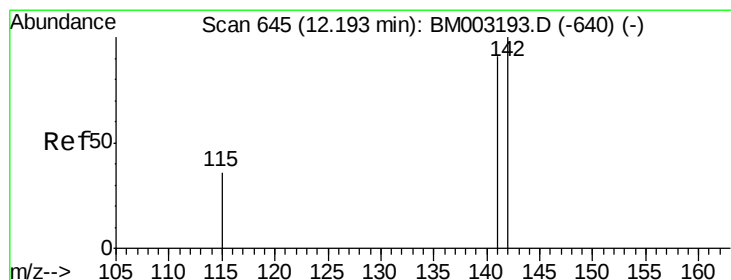
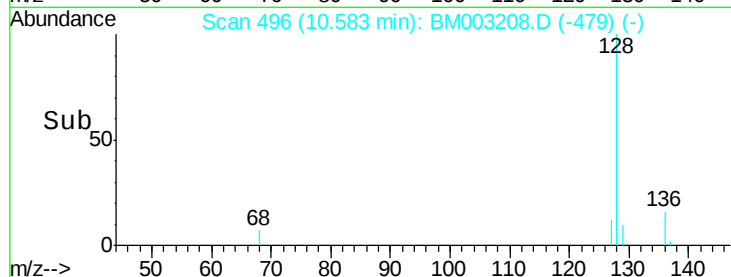
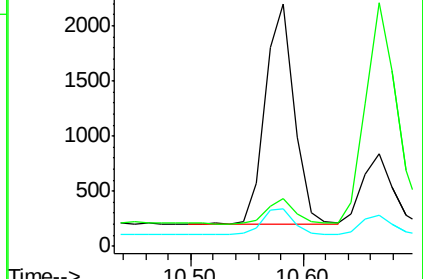
127 15.8 9.6 14.4#



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: 0.01 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. 0.00 min

Lab File: BM003208.D

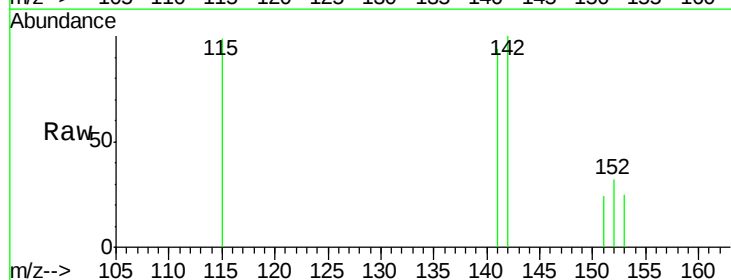
Acq: 20 Nov 2015 02:11

Tgt Ion:142 Resp: 467

Ion Ratio Lower Upper

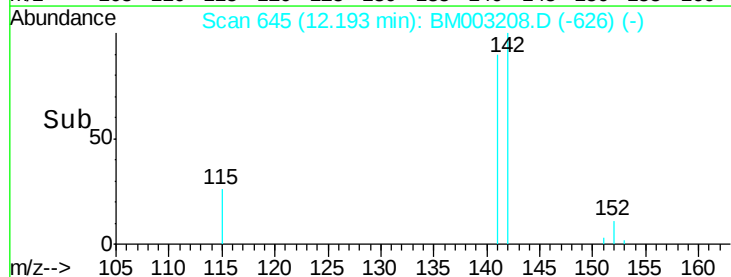
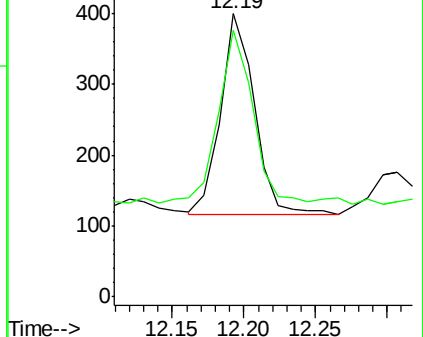
142 100

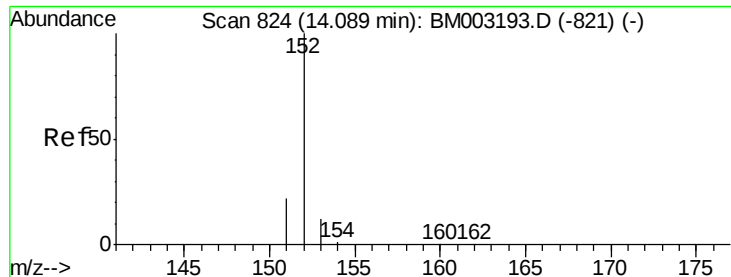
141 93.6 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. 0.00 min

Lab File: BM003208.D

Acq: 20 Nov 2015 02:11

Instrument :

BNA_M

ClientSampled :

A4J58

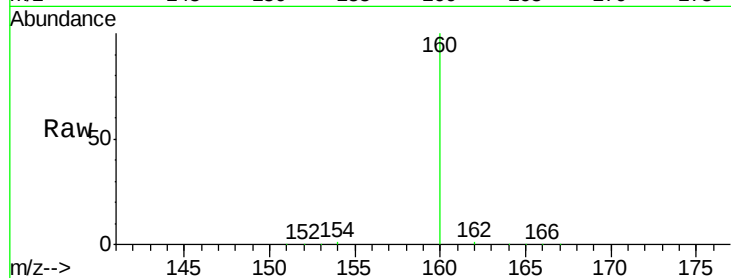
Tot Ion:152 Resp: 1558

Ion Ratio Lower Upper

152 100

151 37.3 17.6 26.4#

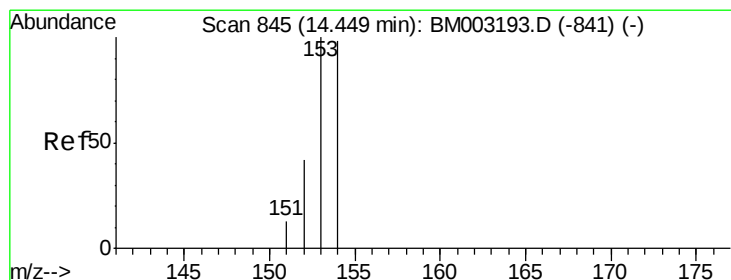
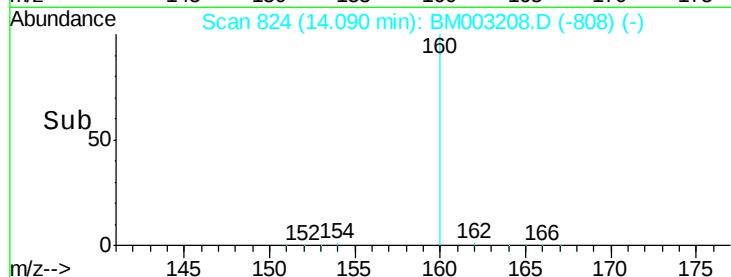
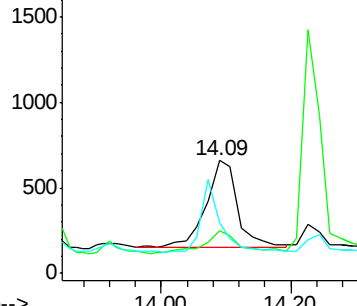
153 44.7 9.7 14.5#



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: 0.01 ng/ul

RT: 14.45 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM003208.D

Acq: 20 Nov 2015 02:11

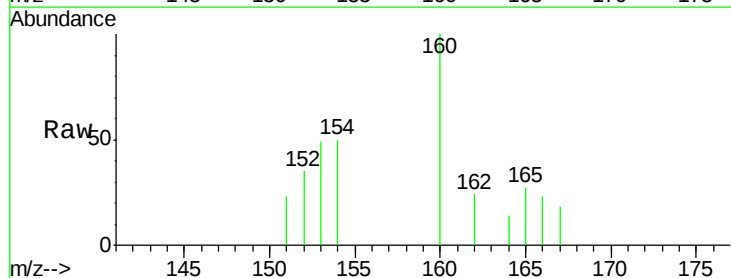
Tgt Ion:153 Resp: 610

Ion Ratio Lower Upper

153 100

152 70.9 33.9 50.9#

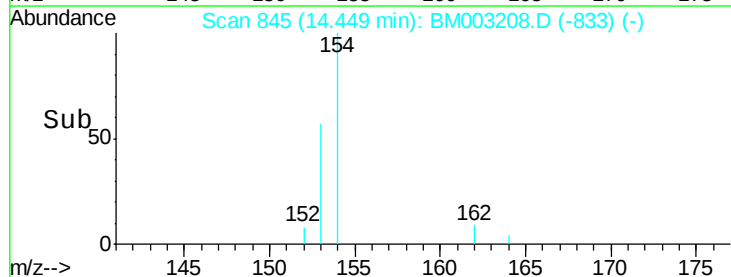
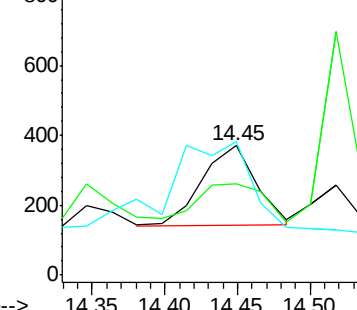
154 103.0 80.6 121.0

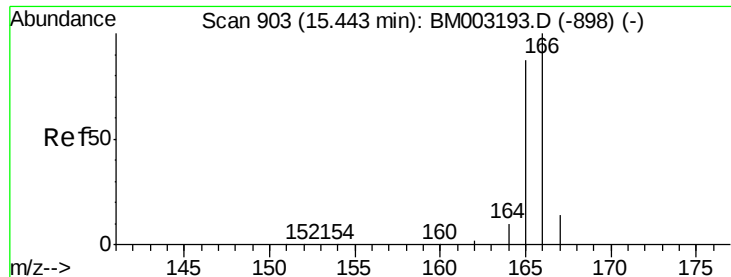


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

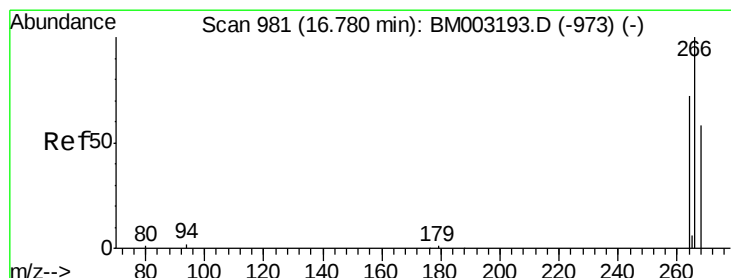
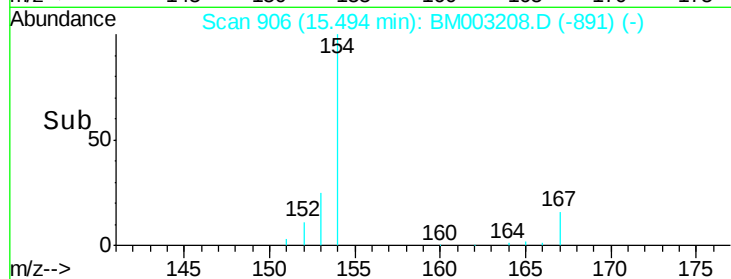
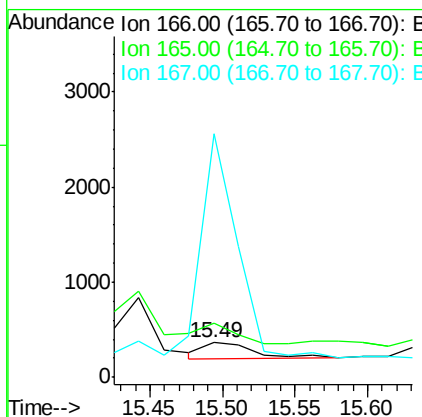
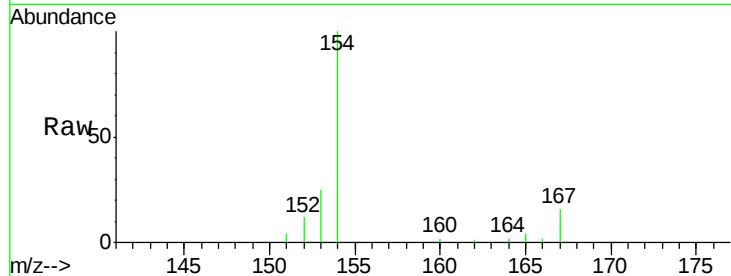




#11
 Fluorene
 Concen: 0.00 ng/ul
 RT: 15.49 min Scan# 906
 Delta R.T. 0.05 min
 Lab File: BM003208.D
 Acq: 20 Nov 2015 02:11

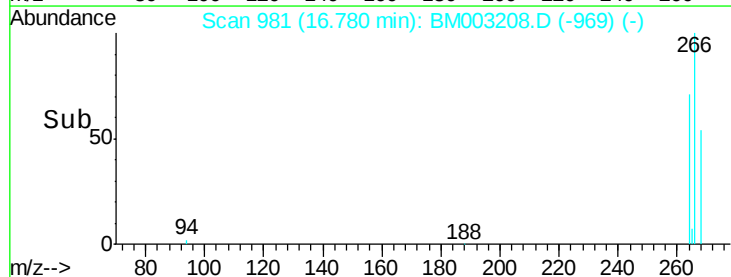
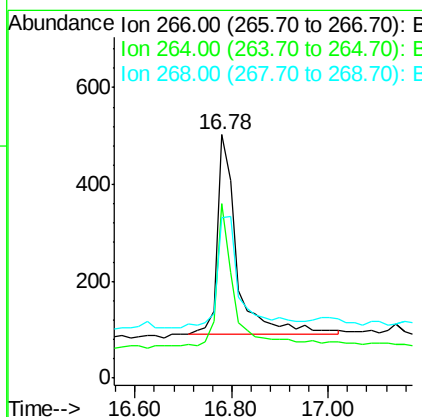
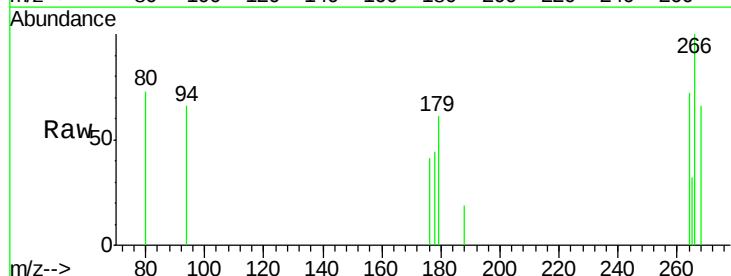
Instrument :
 BNA_M
 ClientSampleId :
 A4J58

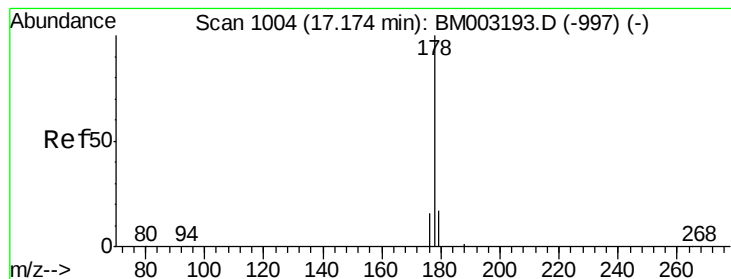
Tot Ion:166 Resp: 415
 Ion Ratio Lower Upper
 166 100
 165 157.8 69.6 104.4#
 167 701.4 11.9 17.9#



#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.78 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: BM003208.D
 Acq: 20 Nov 2015 02:11

Tgt Ion:266 Resp: 1138
 Ion Ratio Lower Upper
 266 100
 264 62.8 0.3 0.5#
 268 61.2 0.0 0.0#





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.23 min Scan# 1007

Delta R.T. 0.05 min

Lab File: BM003208.D

Acq: 20 Nov 2015 02:11

Instrument :

BNA_M

ClientSampleId :

A4J58

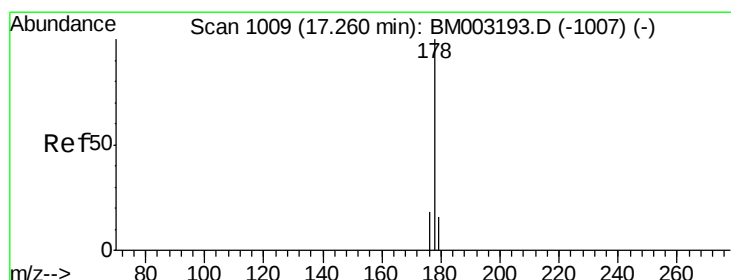
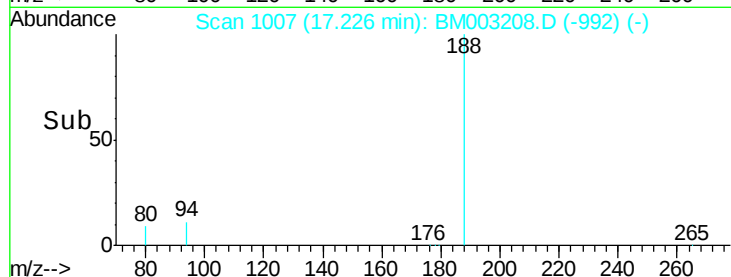
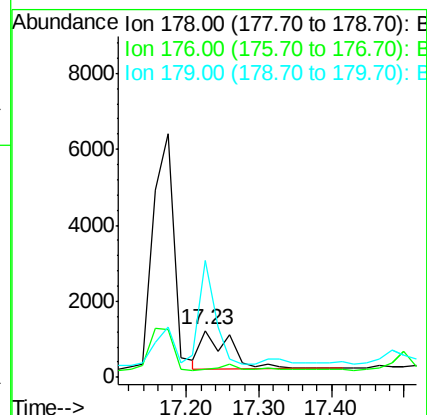
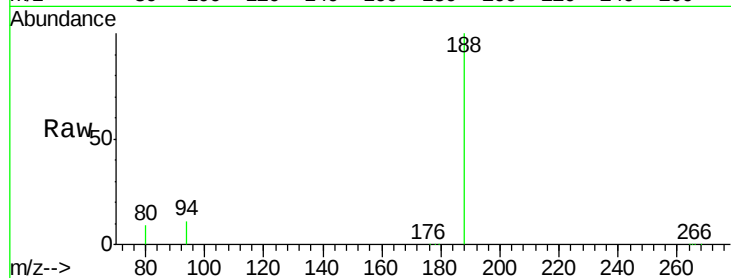
Tot Ion:178 Resp: 2781

Ion Ratio Lower Upper

178 100

176 17.2 13.0 19.4

179 249.8 14.2 21.2#



#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.23 min Scan# 1007

Delta R.T. -0.03 min

Lab File: BM003208.D

Acq: 20 Nov 2015 02:11

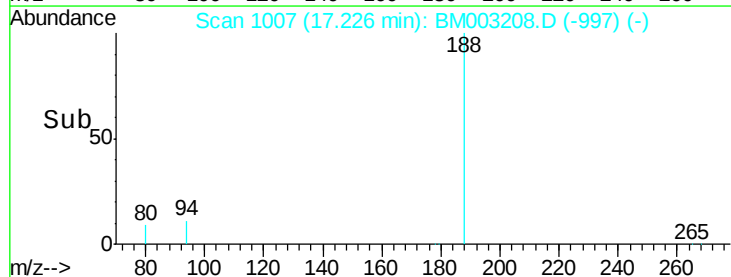
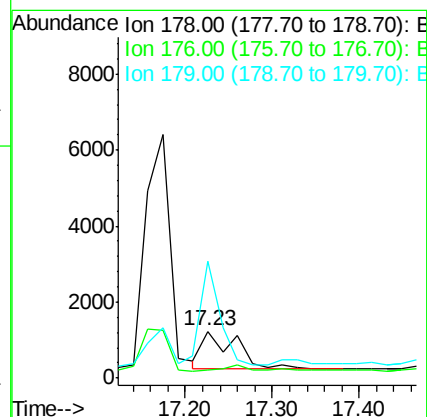
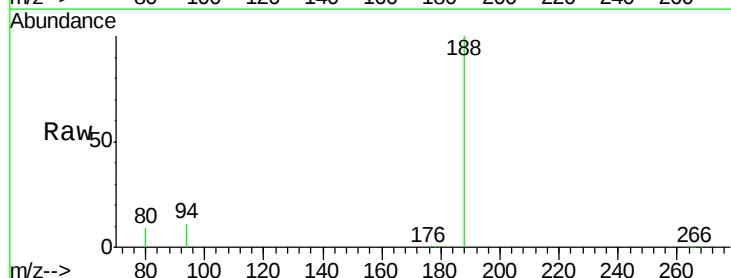
Tgt Ion:178 Resp: 2682

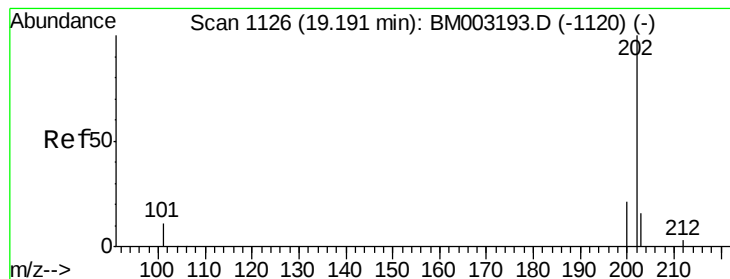
Ion Ratio Lower Upper

178 100

176 17.2 14.0 21.0

179 249.8 12.9 19.3#





#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.19 min Scan# 1126

Delta R.T. 0.00 min

Lab File: BM003208.D

Acq: 20 Nov 2015 02:11

Instrument :

BNA_M

ClientSampleId :

A4J58

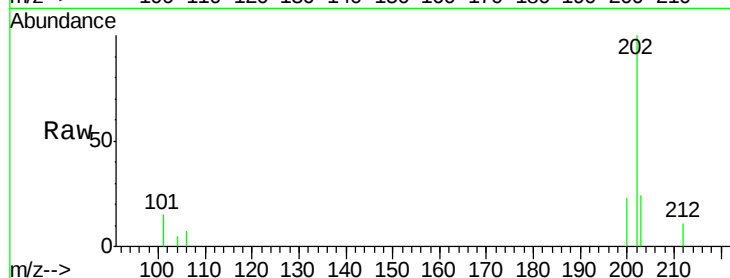
Tot Ion:202 Resp: 8699

Ion Ratio Lower Upper

202 100

101 15.4 0.0 29.6

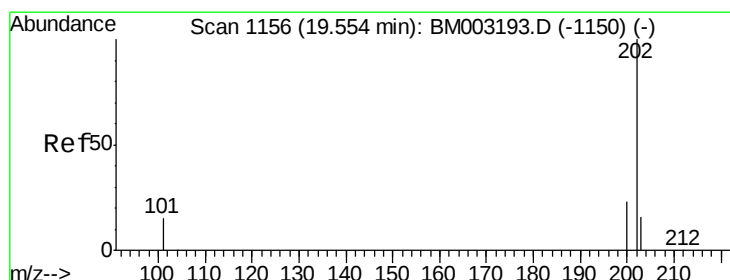
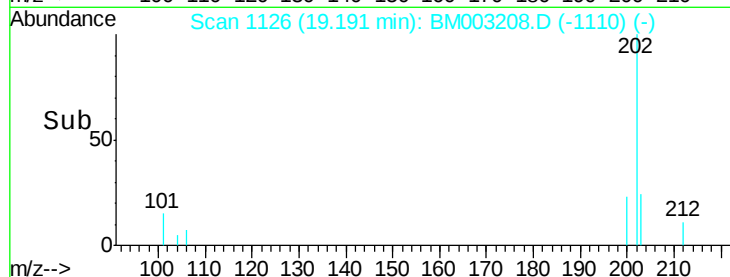
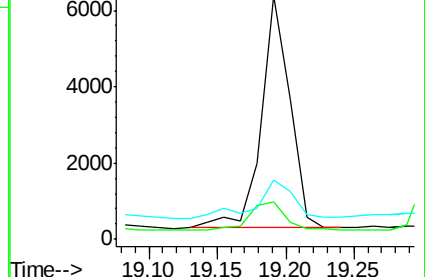
203 24.2 0.0 36.3



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#19

Pyrene

Concen: 0.07 ng/ul

RT: 19.55 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BM003208.D

Acq: 20 Nov 2015 02:11

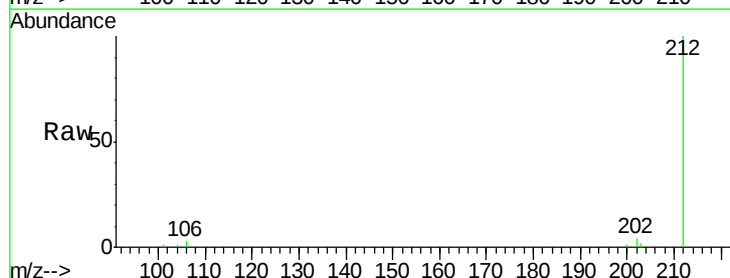
Tgt Ion:202 Resp: 14682

Ion Ratio Lower Upper

202 100

200 24.7 17.8 26.8

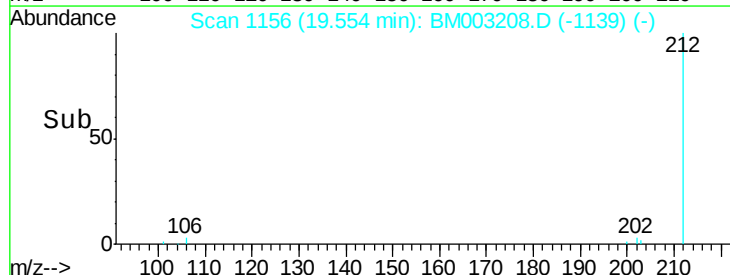
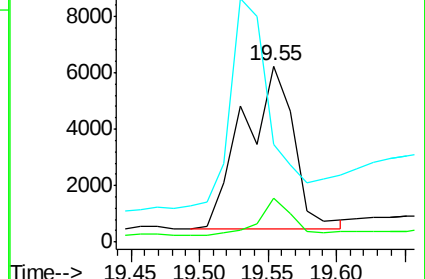
203 55.2 12.8 19.2#

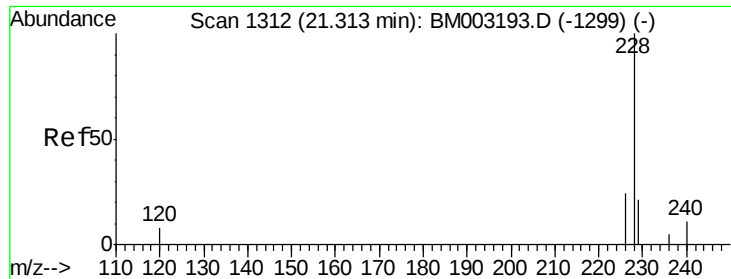


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.02 ng/ul

RT: 21.30 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BM003208.D

Acq: 20 Nov 2015 02:11

Instrument :

BNA_M

ClientSampleId :

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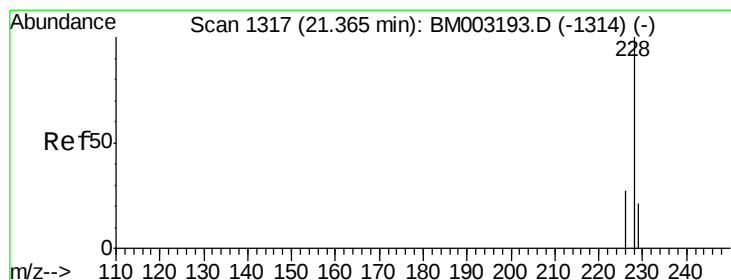
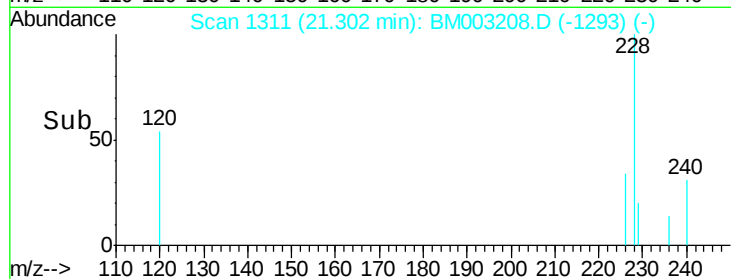
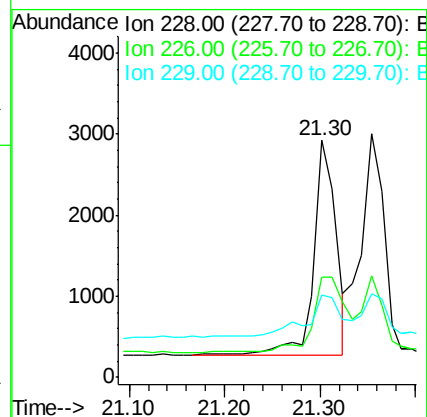
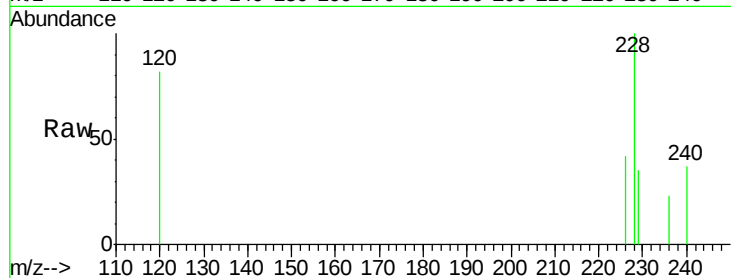
Tot Ion:228 Resp: 4211

Ion Ratio Lower Upper

228 100

226 42.4 18.8 28.2#

229 34.9 17.1 25.7#



#21

Chrysene

Concen: 0.02 ng/ul

RT: 21.35 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BM003208.D

Acq: 20 Nov 2015 02:11

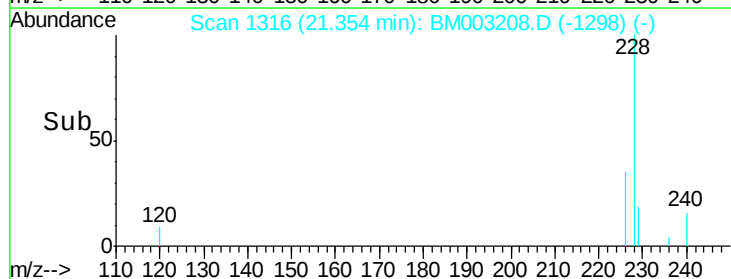
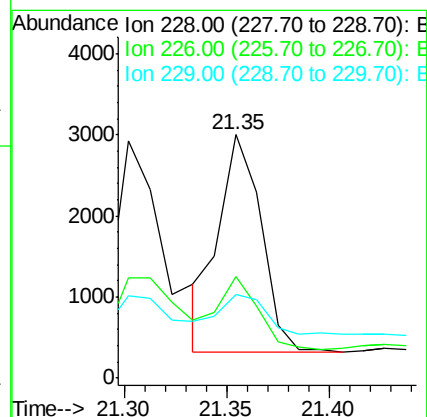
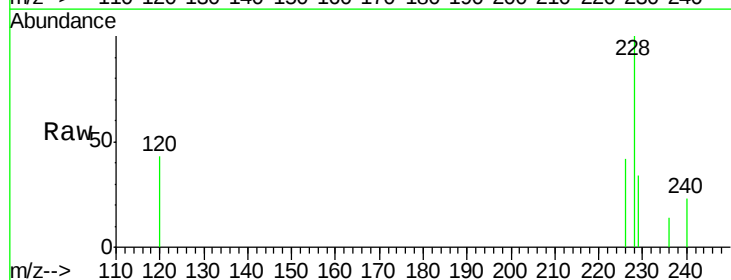
Tgt Ion:228 Resp: 3929

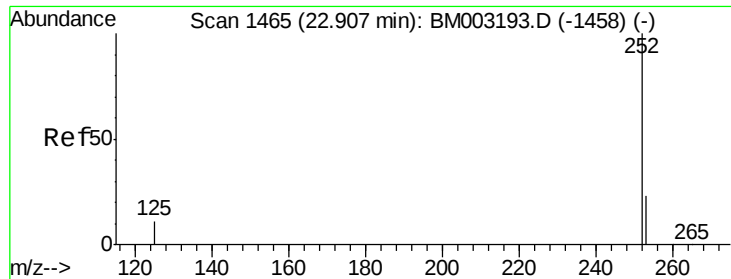
Ion Ratio Lower Upper

228 100

226 41.9 21.2 31.8#

229 34.4 17.0 25.6#





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/u1

RT: 22.82 min Scan# 1457

Delta R.T. -0.08 min

Lab File: BM003208.D

Acq: 20 Nov 2015 02:11

Instrument :

BNA_M

ClientSampleId :

A4J58

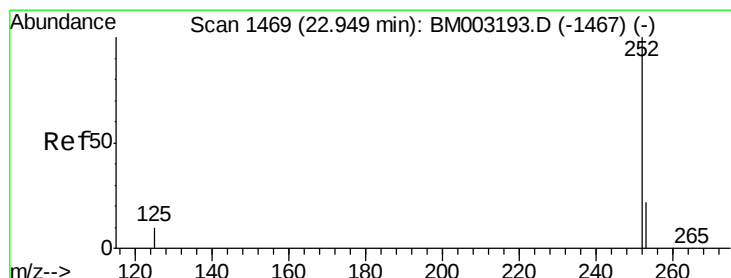
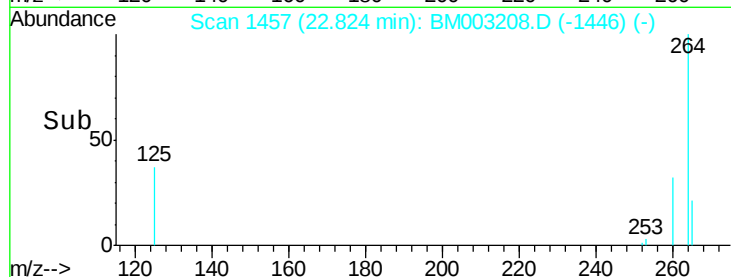
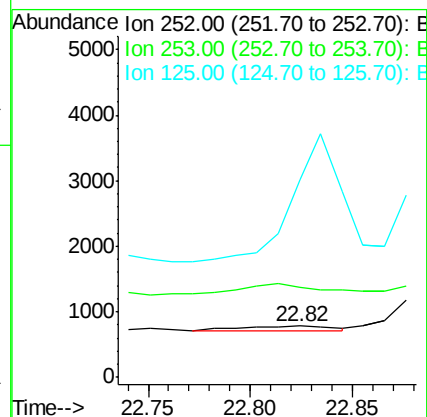
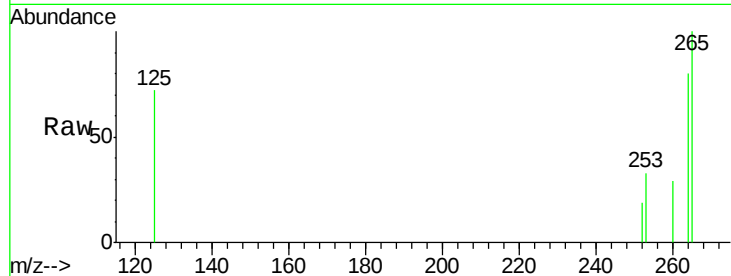
Tot Ion:252 Resp: 196

Ion Ratio Lower Upper

252 100

253 175.8 0.0 45.4#

125 382.7 0.0 28.8#



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/u1

RT: 22.90 min Scan# 1464

Delta R.T. -0.05 min

Lab File: BM003208.D

Acq: 20 Nov 2015 02:11

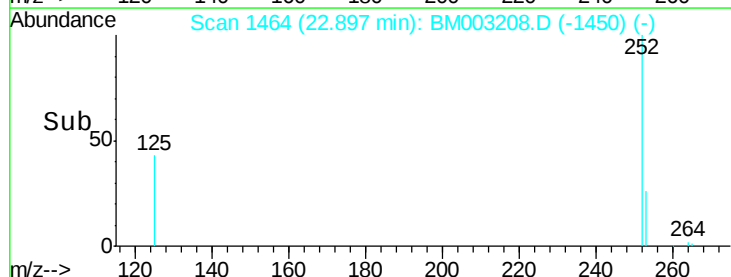
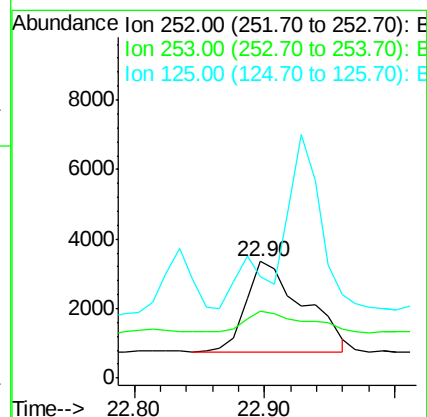
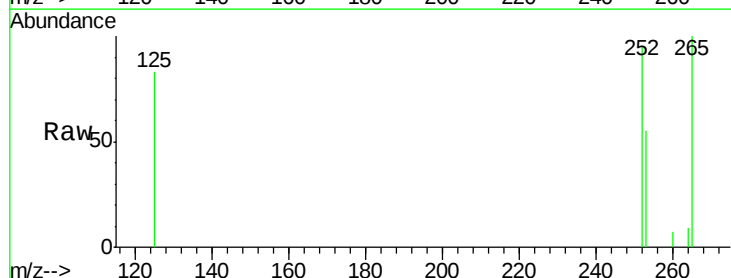
Tgt Ion:252 Resp: 7977

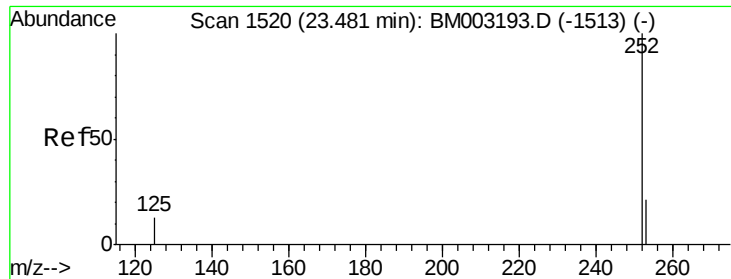
Ion Ratio Lower Upper

252 100

253 57.6 19.8 29.8#

125 87.4 10.4 15.6#





#25

Benzo(a)pyrene

Concen: 0.00 ng/uL

RT: 23.39 min Scan# 1511

Delta R.T. -0.09 min

Lab File: BM003208.D

Acq: 20 Nov 2015 02:11

Instrument :

BNA_M

ClientSampleID :

A4J58

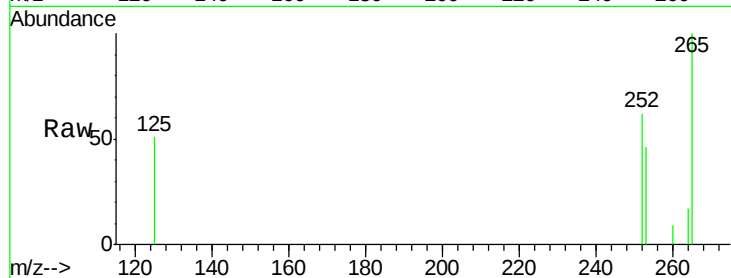
Tot Ion:252 Resp: 3310

Ion Ratio Lower Upper

252 100

253 73.9 19.4 29.2#

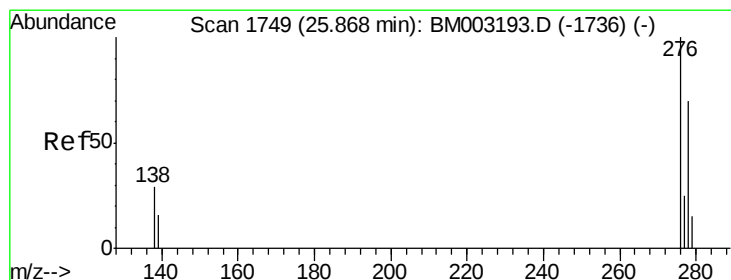
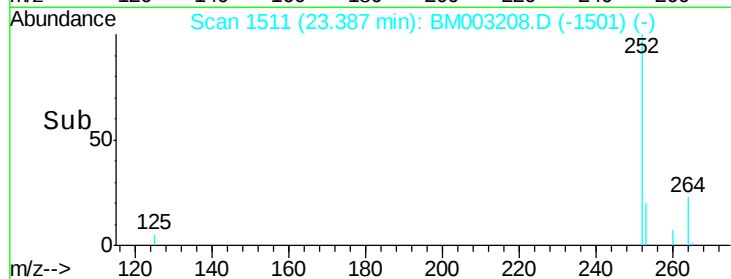
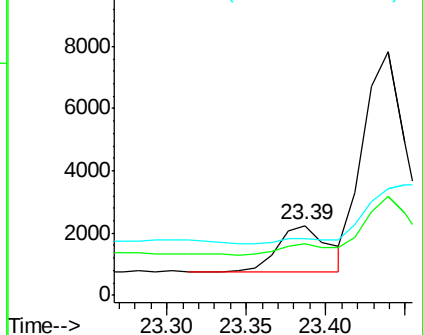
125 81.5 12.7 19.1#



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: 0.00 ng/uL

RT: 25.86 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BM003208.D

Acq: 20 Nov 2015 02:11

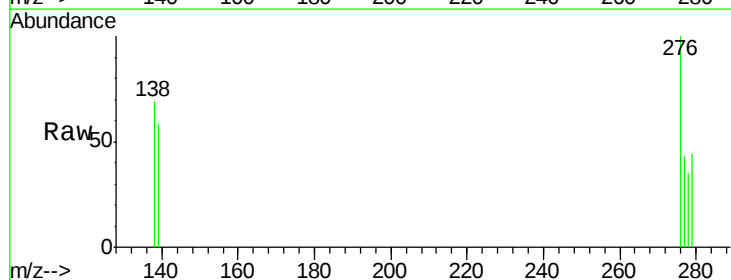
Tgt Ion:276 Resp: 2350

Ion Ratio Lower Upper

276 100

138 21.0 0.0 0.0#

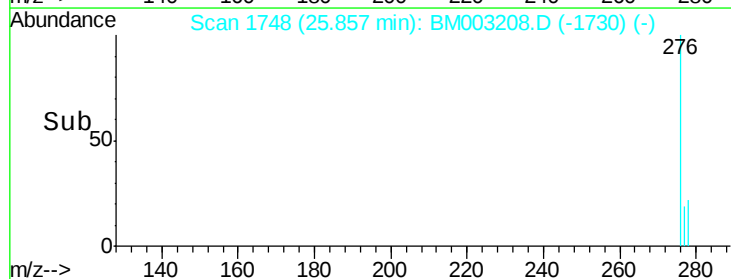
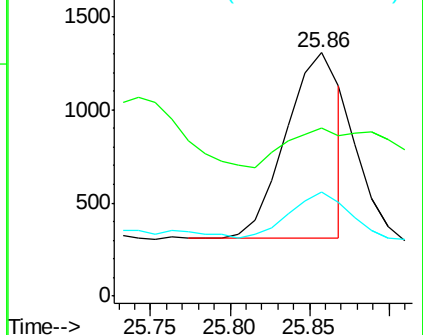
277 23.0 0.0 0.0#

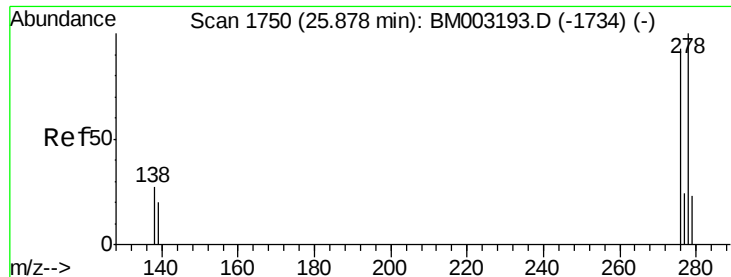


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

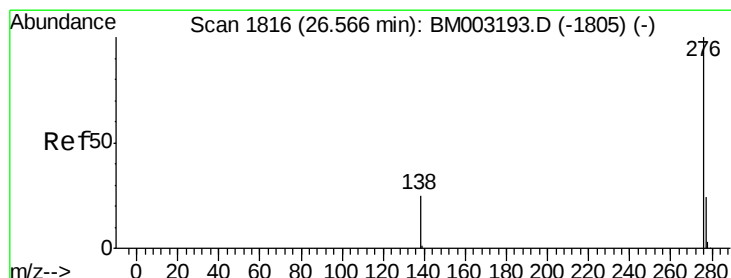
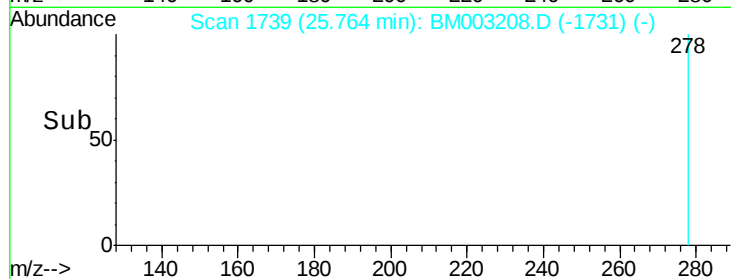
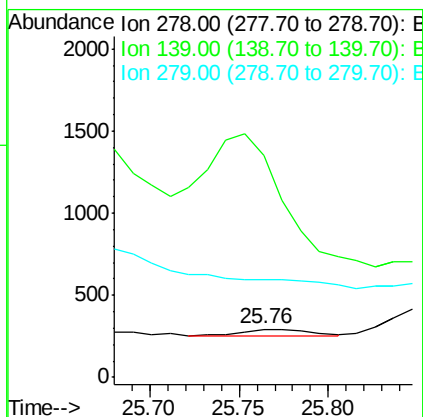
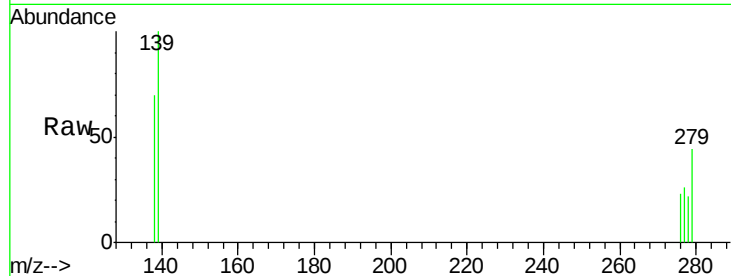




#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.76 min Scan# 1739
Delta R.T. -0.11 min
Lab File: BM003208.D
Acq: 20 Nov 2015 02:11

Instrument :
BNA_M
ClientSampleId :
A4J58

Tot Ion:278 Resp: 94
Ion Ratio Lower Upper
278 100
139 463.7 16.4 24.6#
279 204.1 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.37 min Scan# 1797
Delta R.T. -0.20 min
Lab File: BM003208.D
Acq: 20 Nov 2015 02:11

Tgt Ion:276 Resp: 164
Ion Ratio Lower Upper
276 100
277 107.9 18.9 28.3#
138 285.3 22.5 33.7#

