

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112015\
 Data File : BM003225.D
 Acq On : 20 Nov 2015 17:32
 Operator : UM/IZ
 Sample : G4323-26
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4J46

Quant Time: Nov 21 04:25:18 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 : Sat Nov 21 04:24:04 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	13788	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	53425	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	27946	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	58738	0.40	ng/ul	0.00
18) Chrysene-d12	21.33	240	58847	0.40	ng/ul	0.00
22) Perylene-d12	23.60	264	56667	0.40	ng/ul	0.01

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.20	96	46759	3.17	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	10608	0.15	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	17805	0.12	ng/ul	0.00

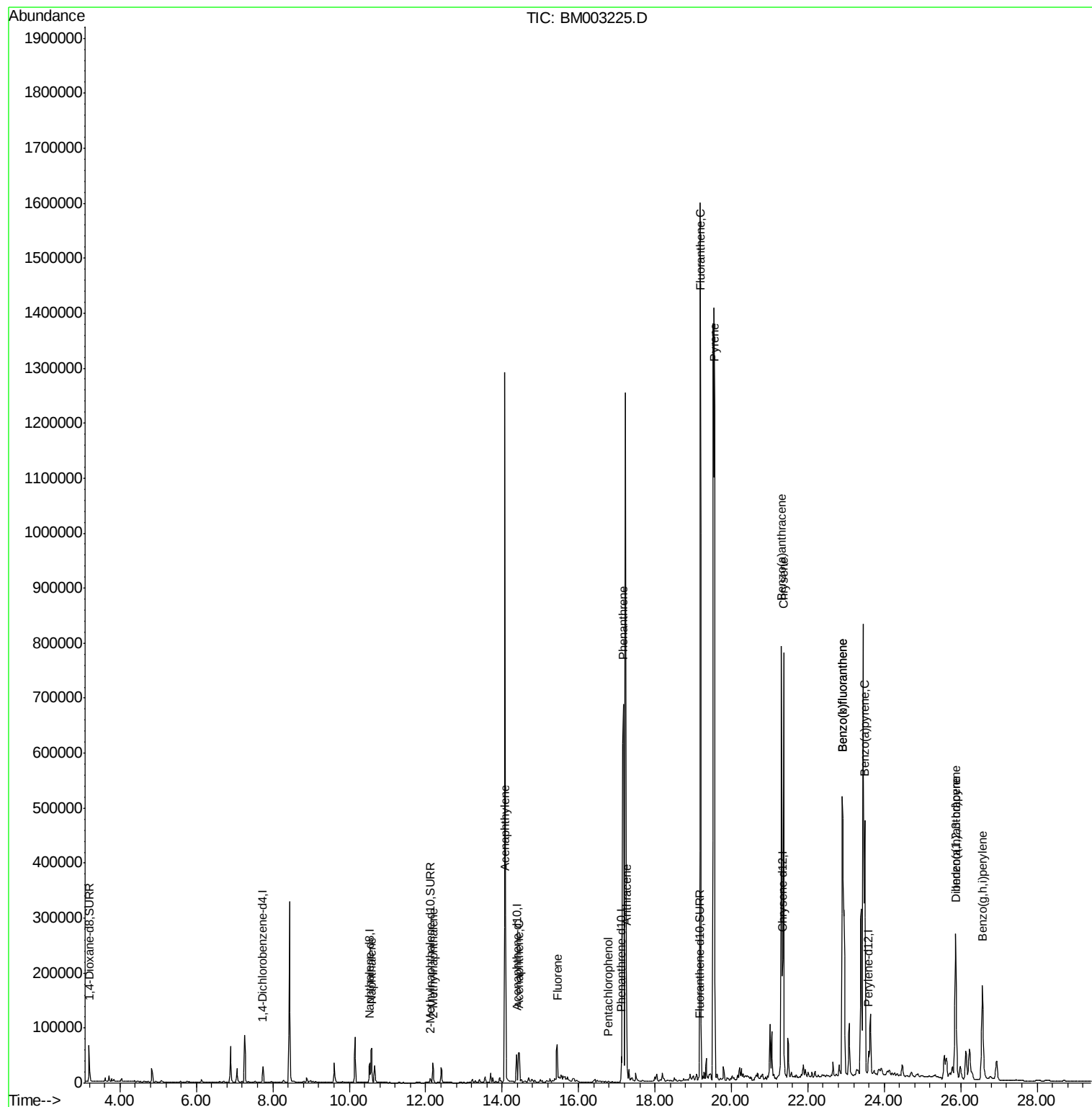
Target Compounds				Qvalue		
5) Naphthalene	10.58	128	95417	0.70	ng/ul	99
7) 2-Methylnaphthalene	12.19	142	26069	0.29	ng/ul#	100
9) Acenaphthylene	14.09	152	70744	0.61	ng/ul	99
10) Acenaphthene	14.45	153	45458	0.46	ng/ul	100
11) Fluorene	15.44	166	65293	0.61	ng/ul	99
13) Pentachlorophenol	16.78	266	996	0.07	ng/ul#	92
14) Phenanthrene	17.17	178	1030016	6.04	ng/ul	100
15) Anthracene	17.26	178	228156	1.60	ng/ul	99
17) Fluoranthene	19.19	202	1514380	8.01	ng/ul	98
19) Pyrene	19.57	202	1451474	7.19	ng/ul#	91
20) Benzo(a)anthracene	21.31	228	707802	4.15	ng/ul	95
21) Chrysene	21.36	228	716098	3.73	ng/ul	96
23) Benzo(b)fluoranthene	22.91	252	1190989	5.53	ng/ul	99
24) Benzo(k)fluoranthene	22.91	252	1190989	5.84	ng/ul	96
25) Benzo(a)pyrene	23.49	252	630294	3.29	ng/ul	96
26) Indeno(1,2,3-cd)pyrene	25.87	276	412412	1.81	ng/ul#	94
27) Dibenzo(a,h)anthracene	25.88	278	101214	0.55	ng/ul#	93
28) Benzo(g,h,i)perylene	26.57	276	366957	1.83	ng/ul	98

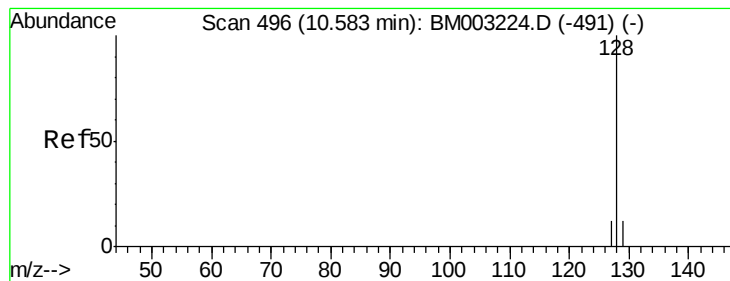
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.70 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. -0.00 min

Lab File: BM003225.D

Acq: 20 Nov 2015 17:32

Instrument :

BNA_M

ClientSampleId :

A4J46

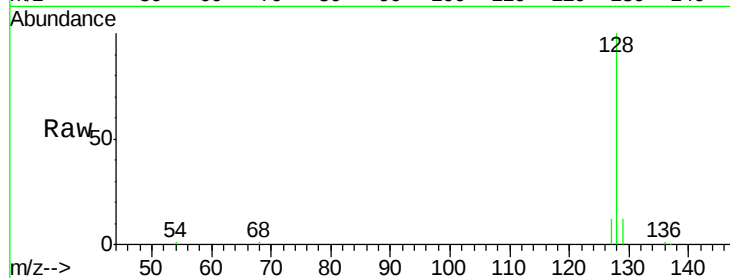
Tgt Ion:128 Resp: 95417

Ion Ratio Lower Upper

128 100

129 11.8 9.0 13.6

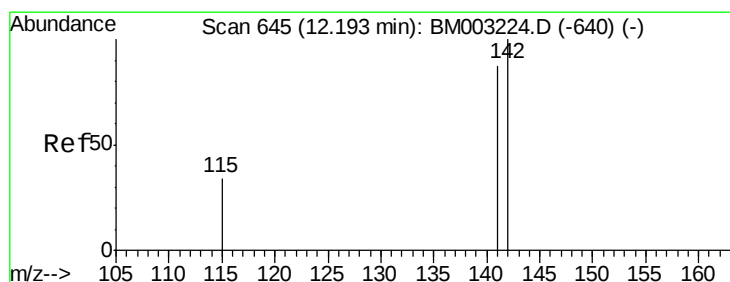
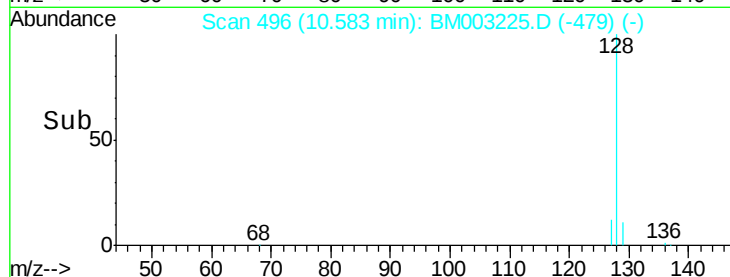
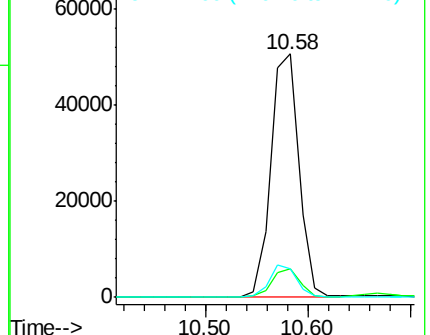
127 11.9 9.6 14.4



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: 0.29 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM003225.D

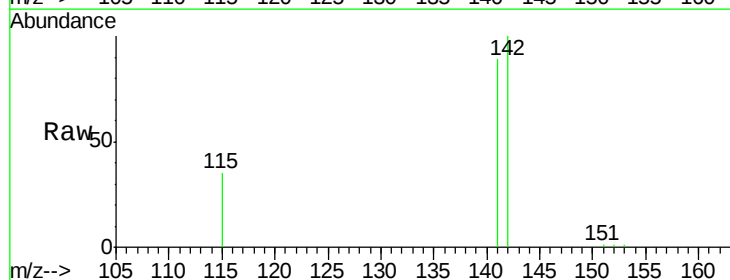
Acq: 20 Nov 2015 17:32

Tgt Ion:142 Resp: 26069

Ion Ratio Lower Upper

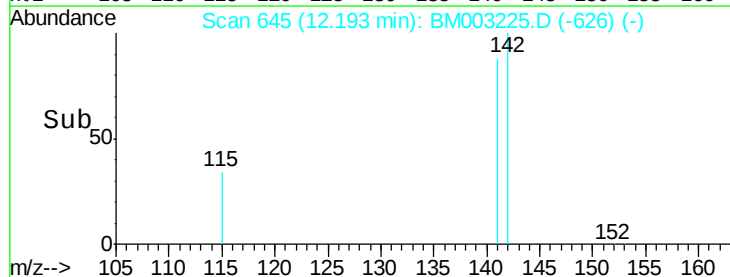
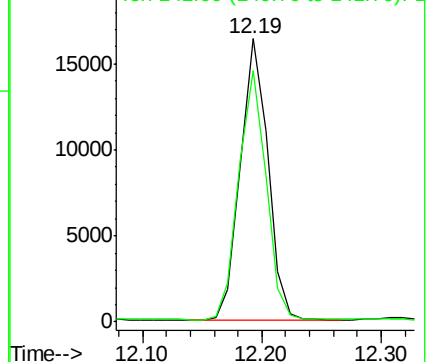
142 100

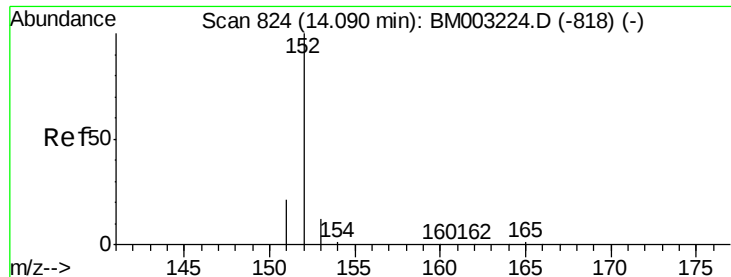
141 88.4 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.61 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM003225.D

Acq: 20 Nov 2015 17:32

Instrument :

BNA_M

ClientSampleId :

A4J46

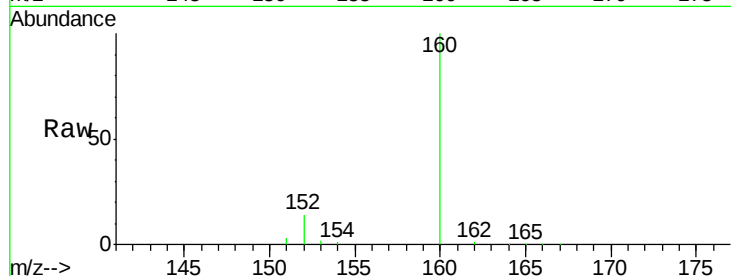
Tgt Ion:152 Resp: 70744

Ion Ratio Lower Upper

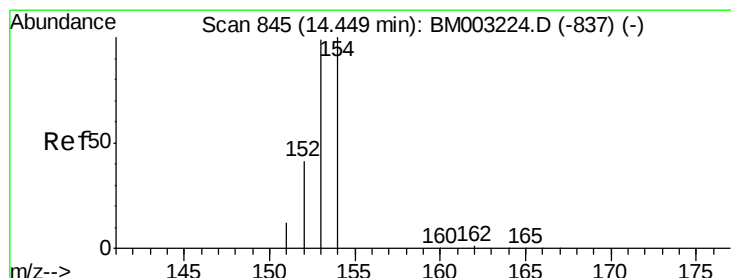
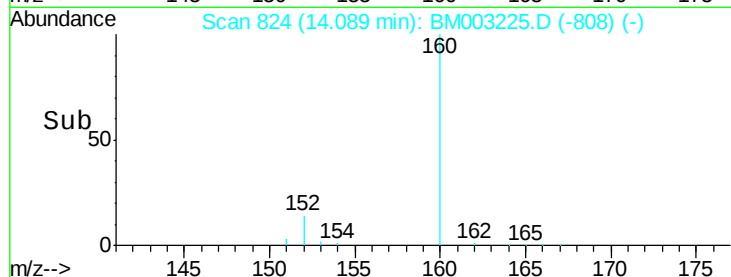
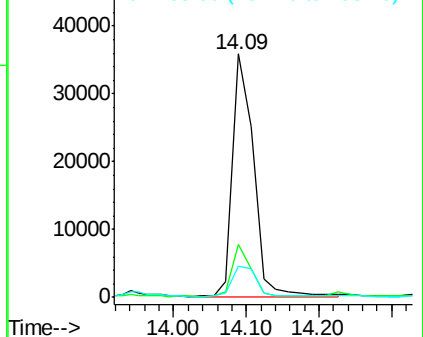
152 100

151 21.8 17.6 26.4

153 13.0 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: 0.46 ng/ul

RT: 14.45 min Scan# 845

Delta R.T. -0.00 min

Lab File: BM003225.D

Acq: 20 Nov 2015 17:32

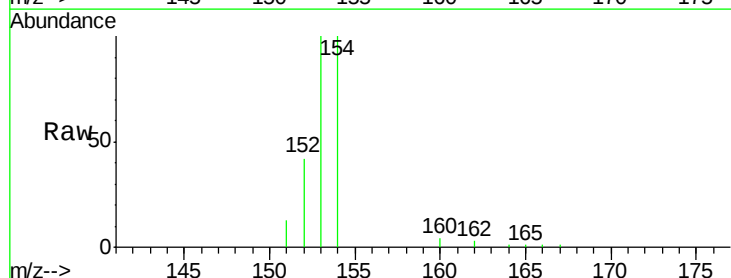
Tgt Ion:153 Resp: 45458

Ion Ratio Lower Upper

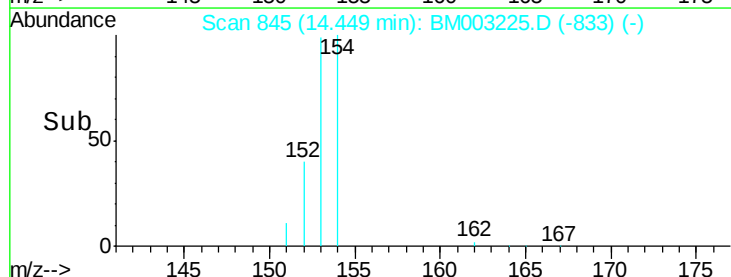
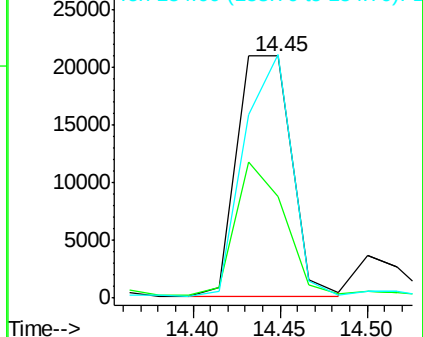
153 100

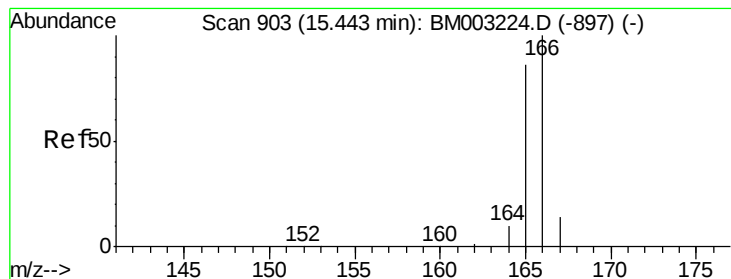
152 42.0 33.9 50.9

154 100.5 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: 0.61 ng/ul

RT: 15.44 min Scan# 903

Delta R.T. -0.00 min

Lab File: BM003225.D

Acq: 20 Nov 2015 17:32

Instrument :

BNA_M

ClientSampleId :

A4J46

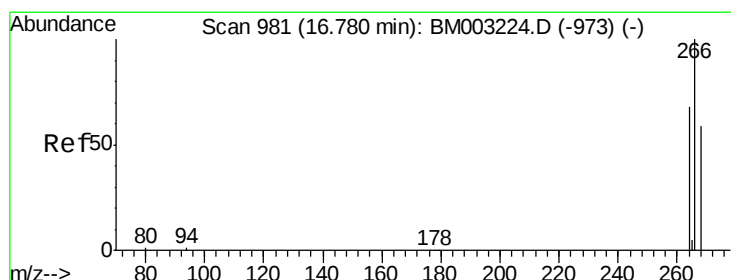
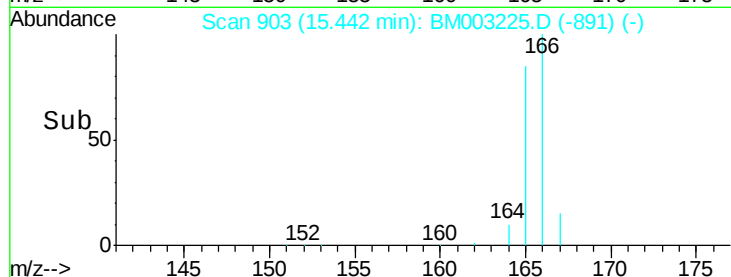
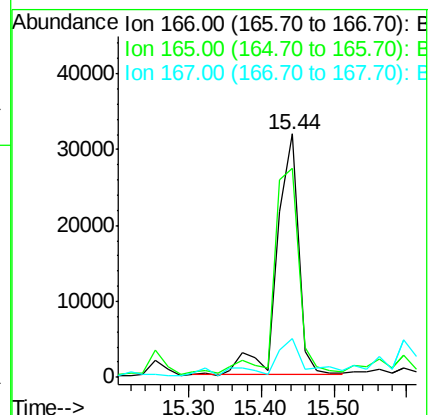
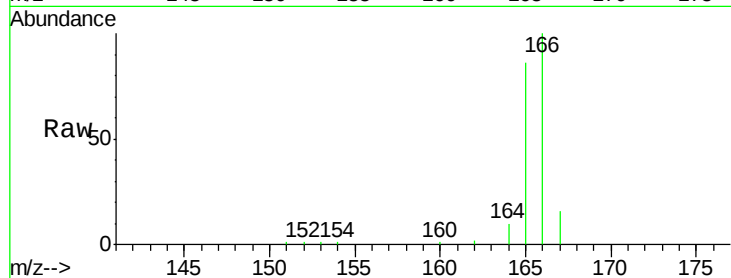
Tgt Ion:166 Resp: 65293

Ion Ratio Lower Upper

166 100

165 85.8 69.6 104.4

167 15.9 11.9 17.9



#13

Pentachlorophenol

Concen: 0.07 ng/ul

RT: 16.78 min Scan# 981

Delta R.T. -0.00 min

Lab File: BM003225.D

Acq: 20 Nov 2015 17:32

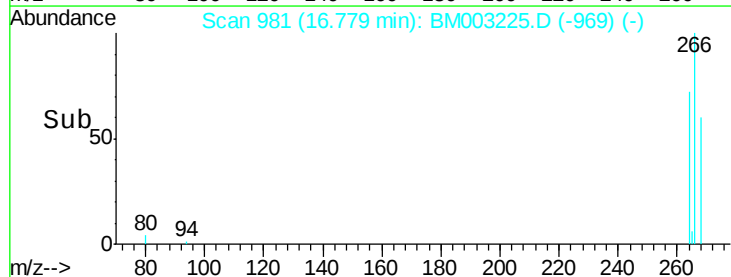
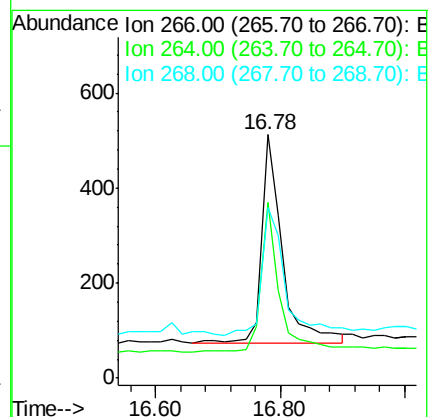
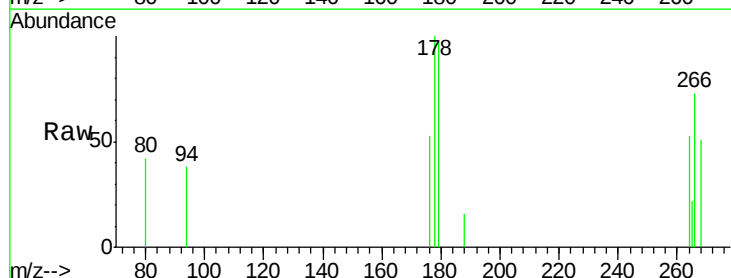
Tgt Ion:266 Resp: 996

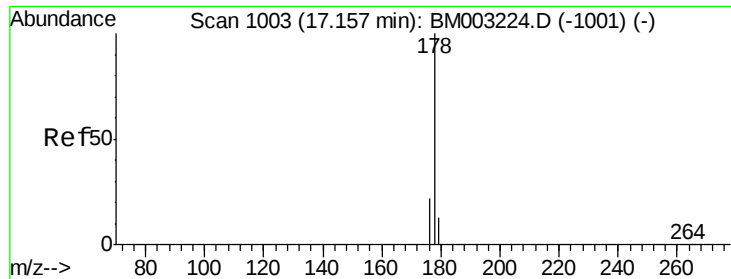
Ion Ratio Lower Upper

266 100

264 64.1 51.8 77.8

268 70.8 46.8 70.2#

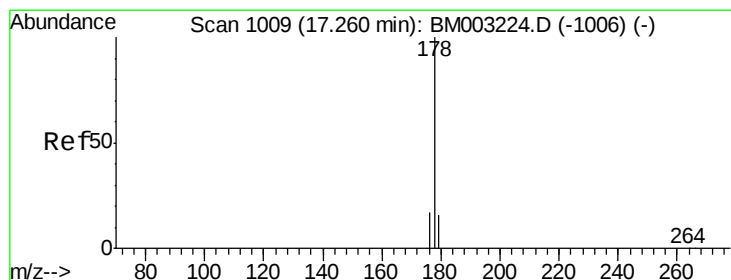
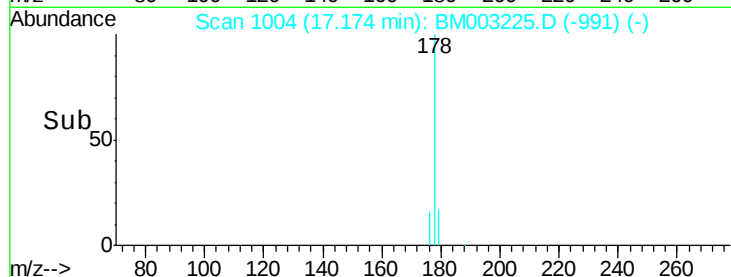
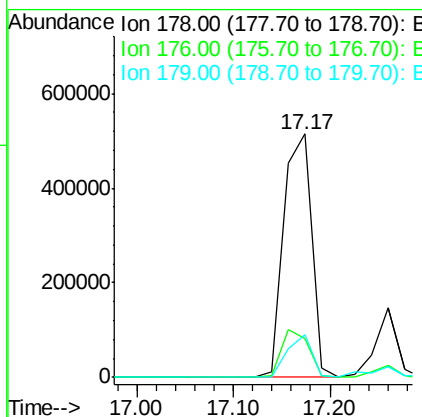
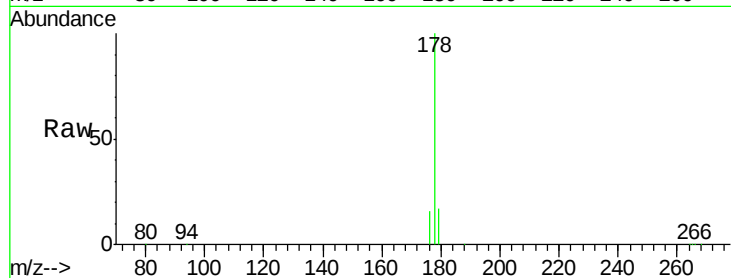




#14
Phenanthrene
Concen: 6.04 ng/ul
RT: 17.17 min Scan# 1004
Delta R.T. 0.02 min
Lab File: BM003225.D
Acq: 20 Nov 2015 17:32

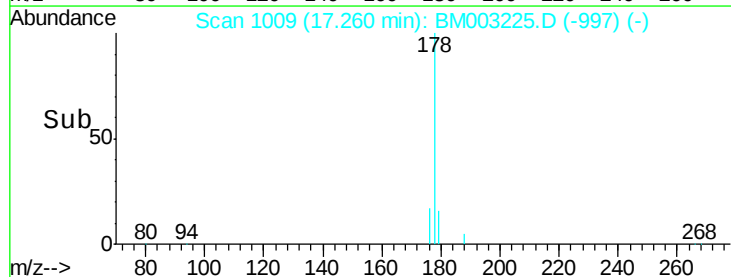
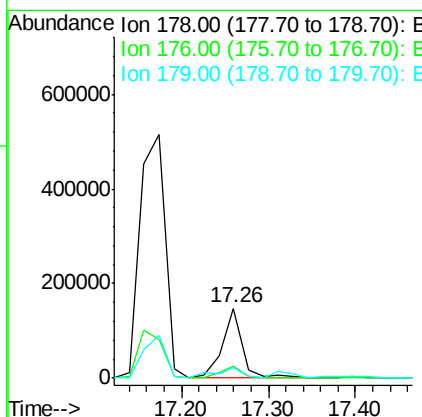
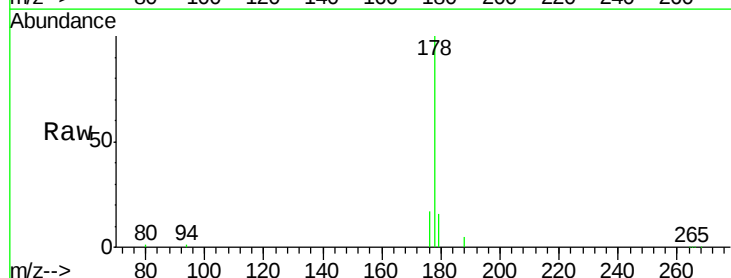
Instrument :
BNA_M
ClientSampleId :
A4J46

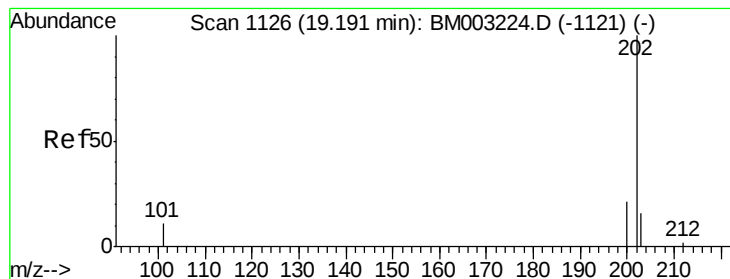
Tgt Ion:178 Resp: 1030016
Ion Ratio Lower Upper
178 100
176 16.2 13.0 19.4
179 17.4 14.2 21.2



#15
Anthracene
Concen: 1.60 ng/ul
RT: 17.26 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BM003225.D
Acq: 20 Nov 2015 17:32

Tgt Ion:178 Resp: 228156
Ion Ratio Lower Upper
178 100
176 17.1 14.0 21.0
179 16.1 12.9 19.3





#17

Fluoranthene

Concen: 8.01 ng/ul

RT: 19.19 min Scan# 1126

Delta R.T. -0.00 min

Lab File: BM003225.D

Acq: 20 Nov 2015 17:32

Instrument :

BNA_M

ClientSampleId :

A4J46

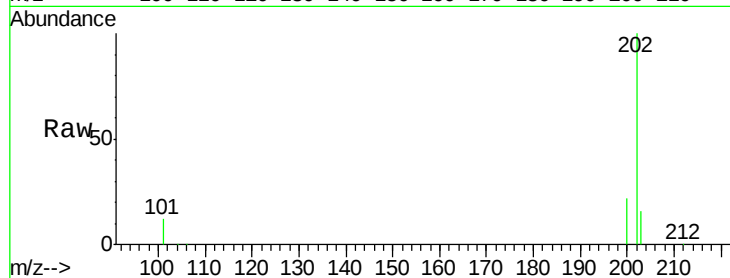
Tgt Ion:202 Resp: 1514380

Ion Ratio Lower Upper

202 100

101 11.8 0.0 29.6

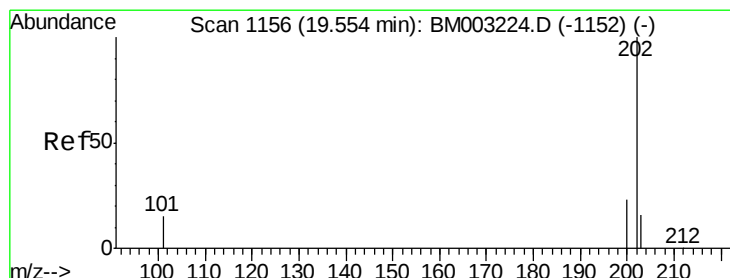
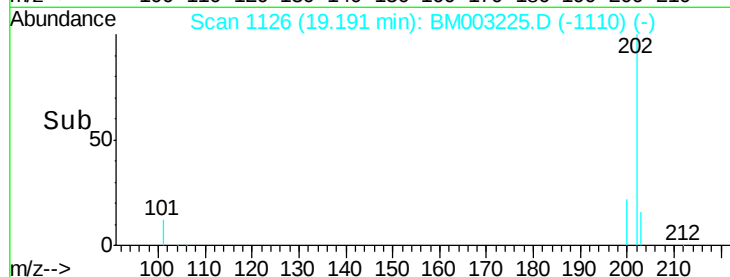
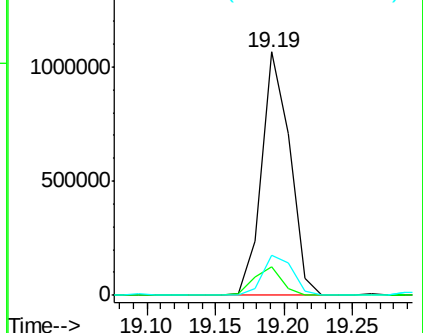
203 16.3 0.0 36.3



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: 7.19 ng/ul

RT: 19.57 min Scan# 1157

Delta R.T. 0.01 min

Lab File: BM003225.D

Acq: 20 Nov 2015 17:32

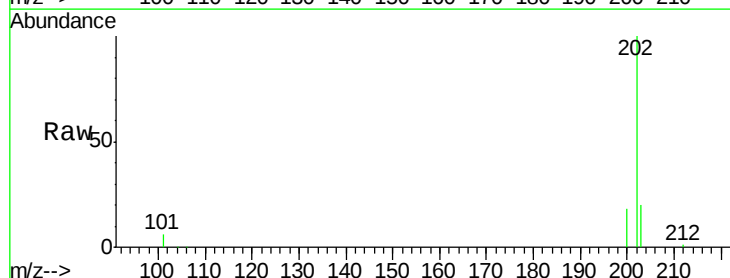
Tgt Ion:202 Resp: 1451474

Ion Ratio Lower Upper

202 100

200 17.8 17.8 26.8#

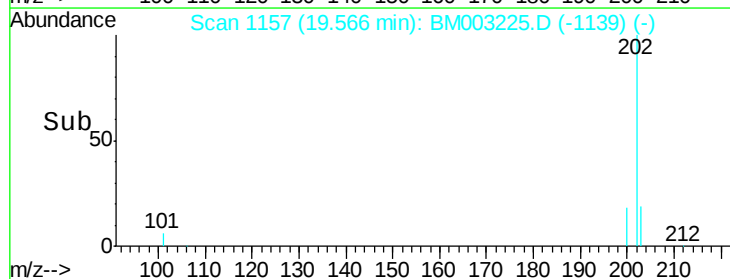
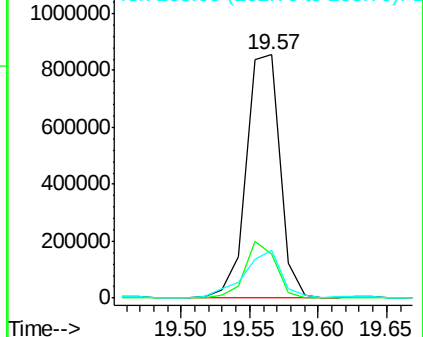
203 19.7 12.8 19.2#

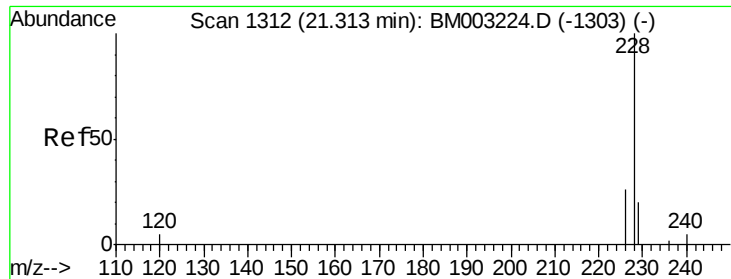


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 4.15 ng/ul

RT: 21.31 min Scan# 1312

Delta R.T. -0.00 min

Lab File: BM003225.D

Acq: 20 Nov 2015 17:32

Instrument :

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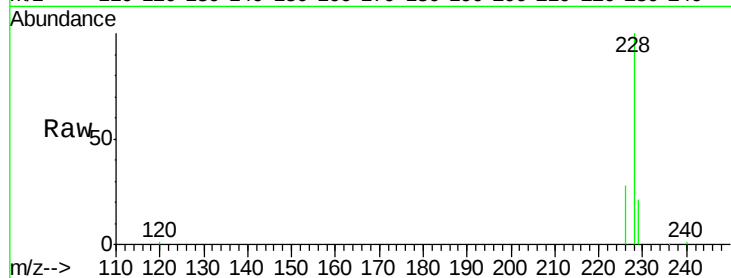
Tgt Ion:228 Resp: 707802

Ion Ratio Lower Upper

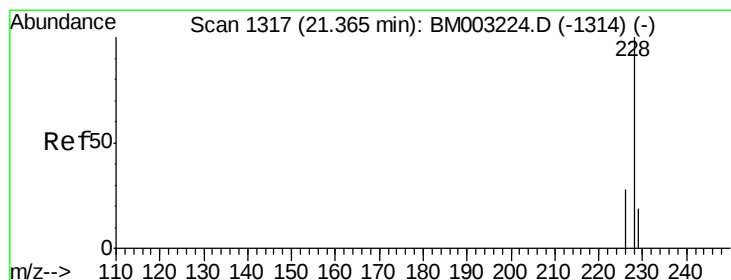
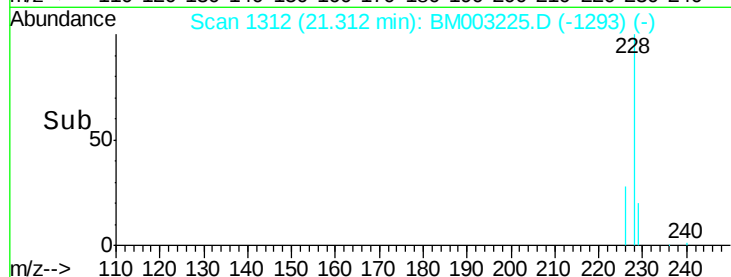
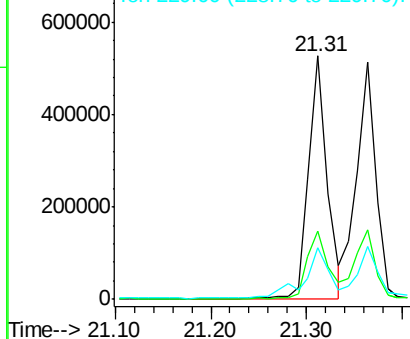
228 100

226 28.2 18.8 28.2

229 21.0 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: 3.73 ng/ul

RT: 21.36 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BM003225.D

Acq: 20 Nov 2015 17:32

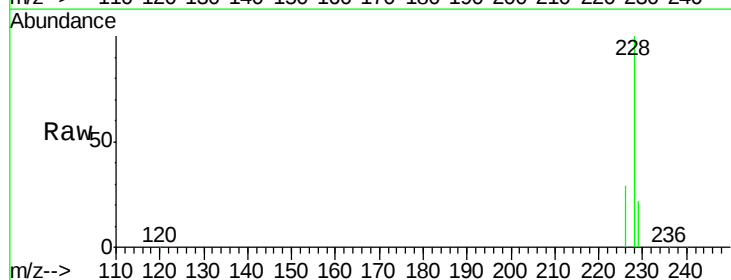
Tgt Ion:228 Resp: 716098

Ion Ratio Lower Upper

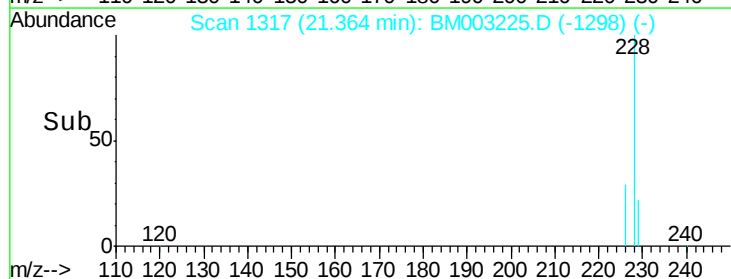
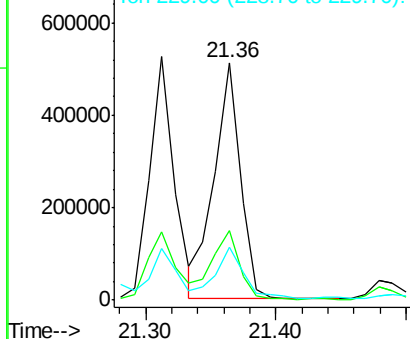
228 100

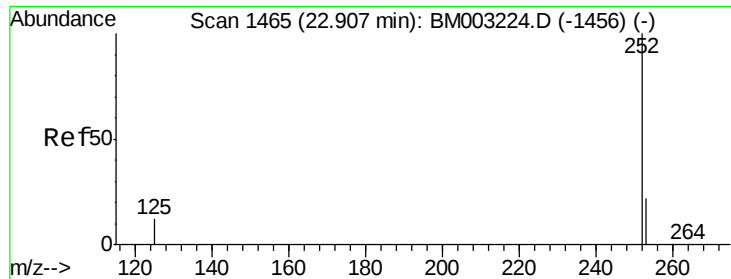
226 29.1 21.2 31.8

229 22.5 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: 5.53 ng/u1

RT: 22.91 min Scan# 1465

Delta R.T. -0.00 min

Lab File: BM003225.D

Acq: 20 Nov 2015 17:32

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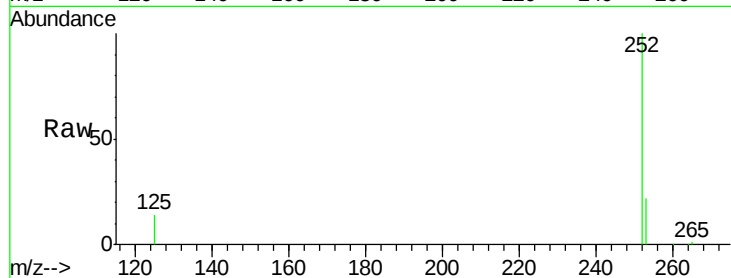
Tgt Ion:252 Resp: 1190989

Ion Ratio Lower Upper

252 100

253 22.3 0.0 45.4

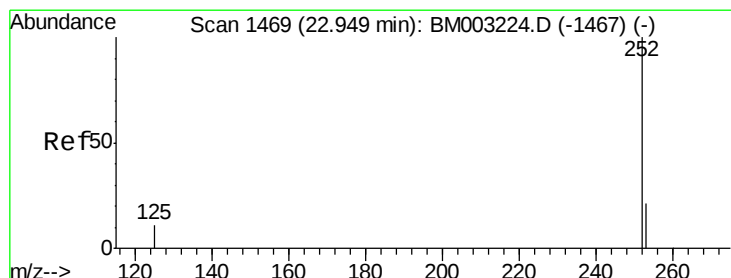
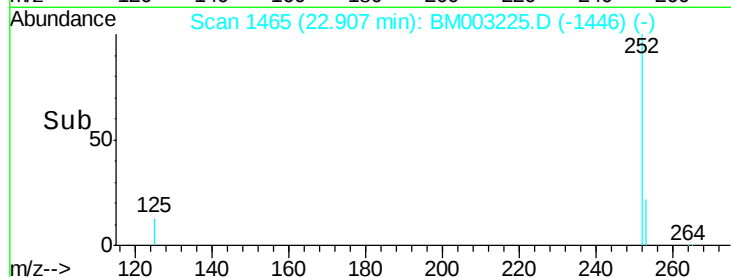
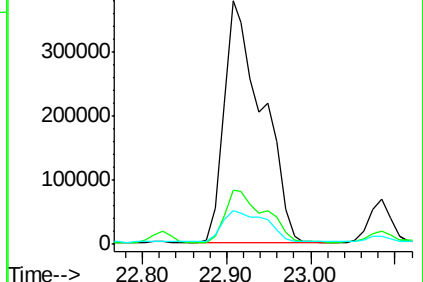
125 13.8 0.0 28.8



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: 5.84 ng/u1

RT: 22.91 min Scan# 1465

Delta R.T. -0.04 min

Lab File: BM003225.D

Acq: 20 Nov 2015 17:32

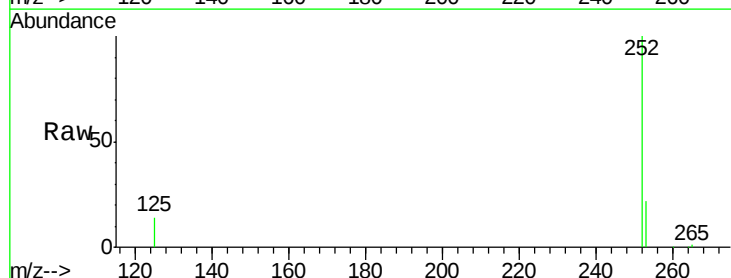
Tgt Ion:252 Resp: 1190989

Ion Ratio Lower Upper

252 100

253 22.3 19.8 29.8

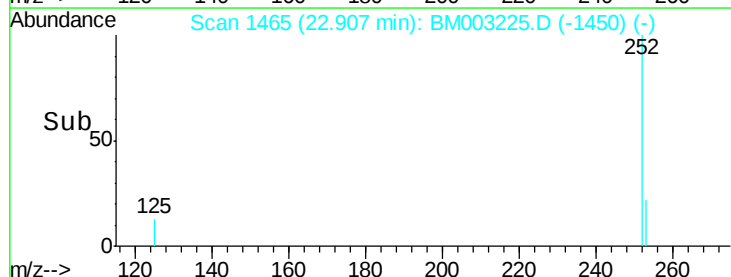
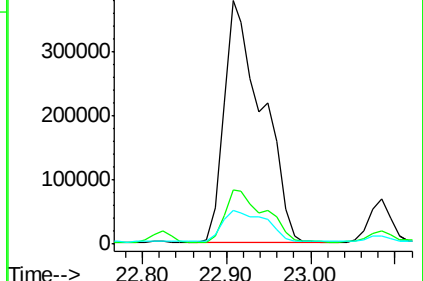
125 13.8 10.4 15.6

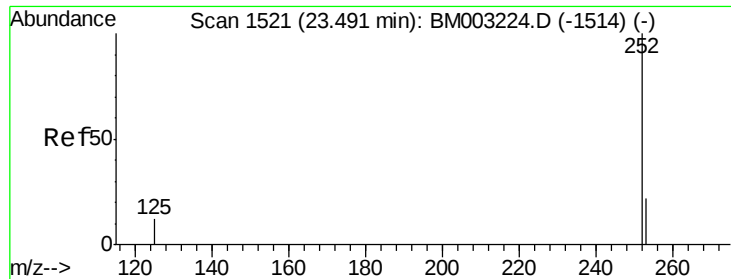


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 3.29 ng/ul

RT: 23.49 min Scan# 1521

Delta R.T. -0.00 min

Lab File: BM003225.D

Acq: 20 Nov 2015 17:32

Instrument :

BNA_M

ClientSampleId :

A4J46

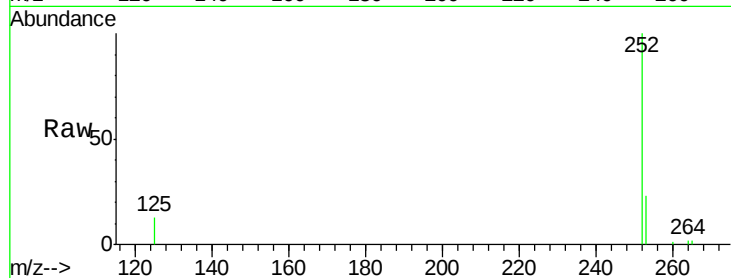
Tgt Ion:252 Resp: 630294

Ion Ratio Lower Upper

252 100

253 23.1 19.4 29.2

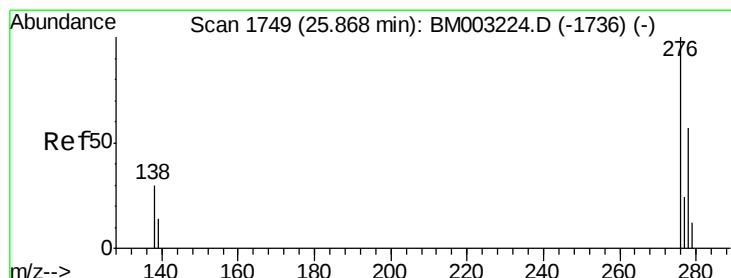
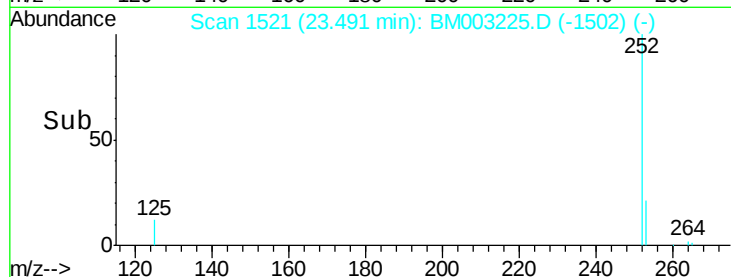
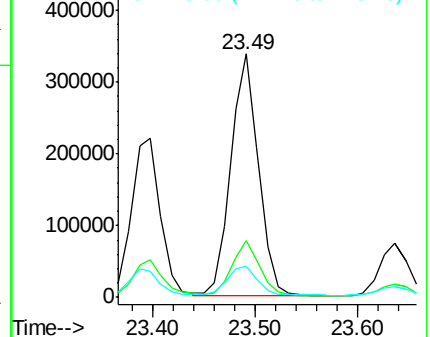
125 13.0 12.7 19.1



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: 1.81 ng/ul

RT: 25.87 min Scan# 1749

Delta R.T. -0.00 min

Lab File: BM003225.D

Acq: 20 Nov 2015 17:32

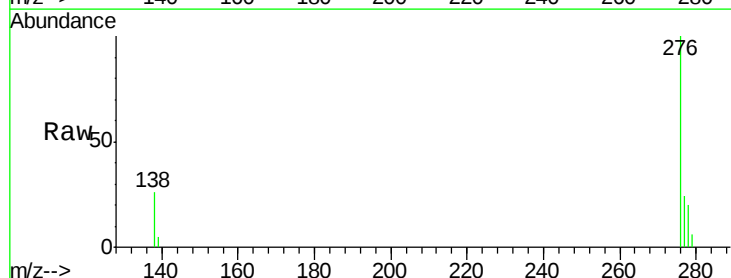
Tgt Ion:276 Resp: 412412

Ion Ratio Lower Upper

276 100

138 25.7 16.3 24.5#

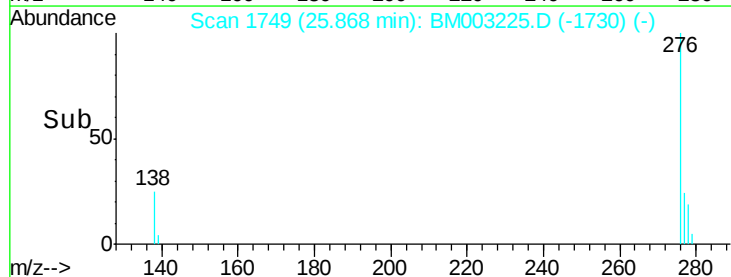
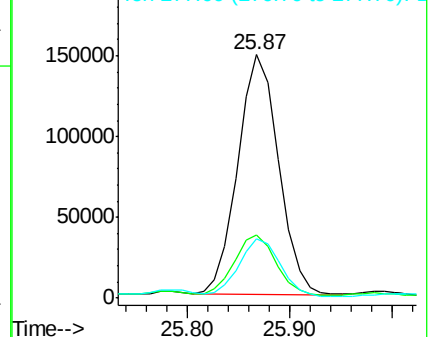
277 24.3 19.8 29.8

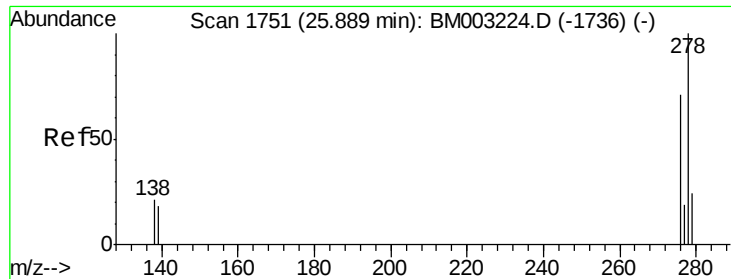


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.55 ng/ul

RT: 25.88 min Scan# 1750

Delta R.T. -0.01 min

Lab File: BM003225.D

Acq: 20 Nov 2015 17:32

Instrument :

BNA_M

ClientSampleId :

A4J46

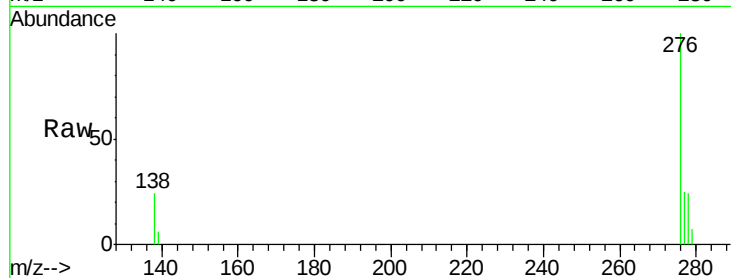
Tgt Ion: 278 Resp: 101214

Ion Ratio Lower Upper

278 100

139 24.7 16.4 24.6#

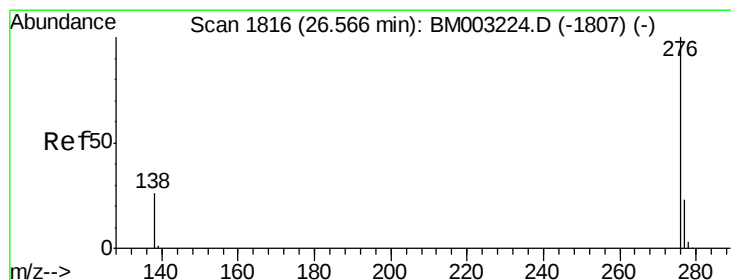
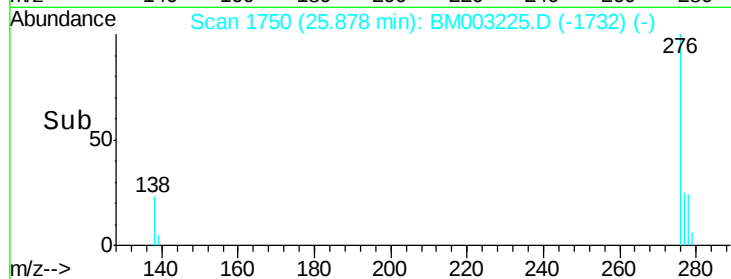
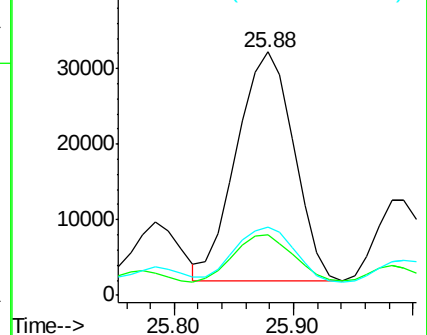
279 28.1 20.2 30.2



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



#28

Benzo(g,h,i)perylene

Concen: 1.83 ng/ul

RT: 26.57 min Scan# 1816

Delta R.T. -0.00 min

Lab File: BM003225.D

Acq: 20 Nov 2015 17:32

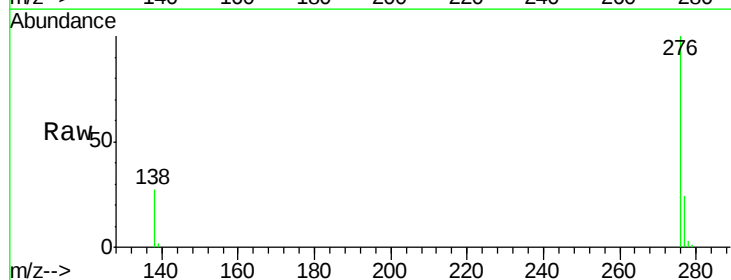
Tgt Ion: 276 Resp: 366957

Ion Ratio Lower Upper

276 100

277 23.9 18.9 28.3

138 26.9 22.5 33.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

