

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112115\
 Data File : BM003264.D
 Acq On : 22 Nov 2015 00:40
 Operator : UM/IZ
 Sample : G4345-08
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4J50

Quant Time: Nov 22 04:47:47 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 : Sun Nov 22 04:42:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	14349	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	57722	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	33548	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	4059519	0.40	ng/ul	0.10
18) Chrysene-d12	21.33	240	56686	0.40	ng/ul	0.00
22) Perylene-d12	23.44	264	3598679	0.40	ng/ul	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.20	96	80899	5.28	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	24820	0.32	ng/ul	0.00
16) Fluoranthene-d10	19.16	212	44188	0.00	ng/ul	0.00

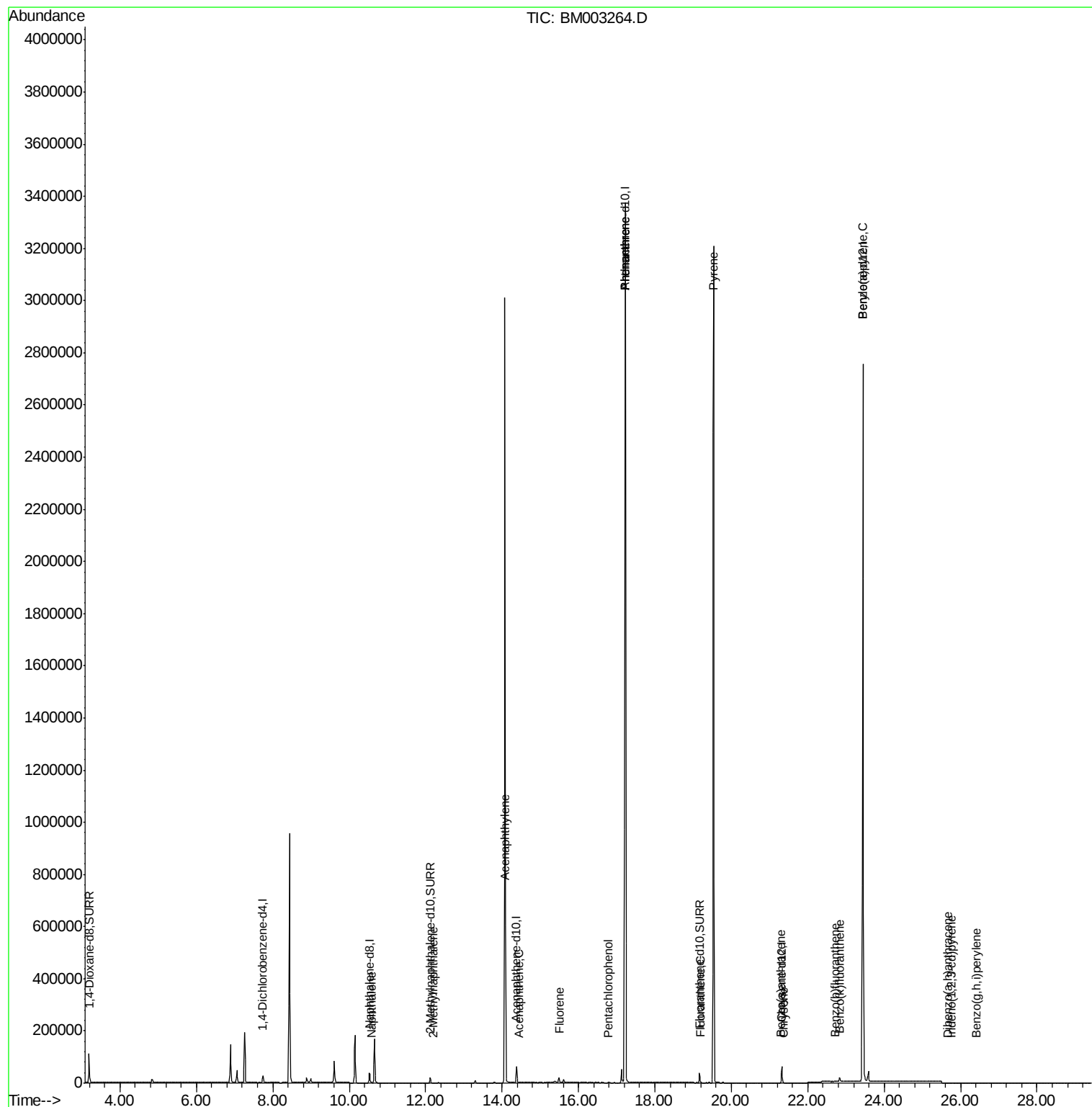
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.57	128	3060	0.02	ng/ul#	84
7) 2-Methylnaphthalene	12.19	142	319	0.00	ng/ul#	100
9) Acenaphthylene	14.09	152	1035	0.01	ng/ul#	18
10) Acenaphthene	14.43	153	414	0.00	ng/ul#	80
11) Fluorene	15.49	166	365	0.00	ng/ul#	1
13) Pentachlorophenol	16.78	266	636	0.00	ng/ul	94
14) Phenanthrene	17.23	178	2072	0.00	ng/ul#	1
15) Anthracene	17.23	178	2048	0.00	ng/ul#	1
17) Fluoranthene	19.20	202	3333	0.00	ng/ul	81
19) Pyrene	19.53	202	7811	0.04	ng/ul#	1
20) Benzo(a)anthracene	21.31	228	640	0.00	ng/ul#	15
21) Chrysene	21.36	228	421	0.00	ng/ul#	33
23) Benzo(b)fluoranthene	22.71	252	53	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.84	252	185	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.44	252	14075	0.00	ng/ul#	63
26) Indeno(1,2,3-cd)pyrene	25.76	276	15	0.00	ng/ul#	1
27) Dibenzo(a,h)anthracene	25.65	278	29	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.40	276	64	0.00	ng/ul#	1

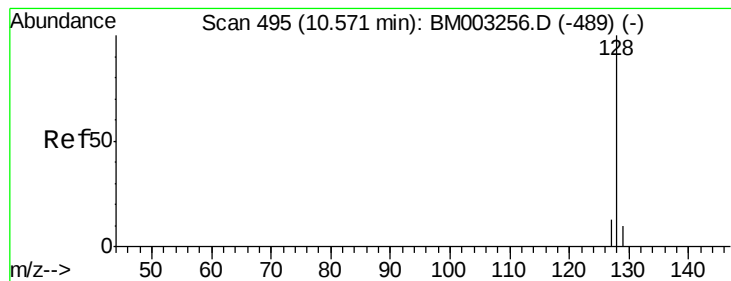
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.02 ng/ul

RT: 10.57 min Scan# 495

Delta R.T. -0.00 min

Lab File: BM003264.D

Acq: 22 Nov 2015 00:40

Instrument :

BNA_M

ClientSampleId :

A4J50

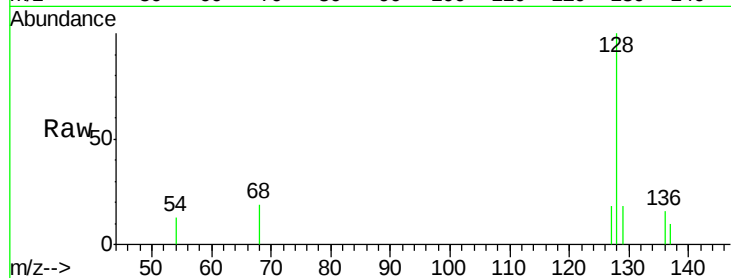
Tgt Ion:128 Resp: 3060

Ion Ratio Lower Upper

128 100

129 18.3 9.0 13.6#

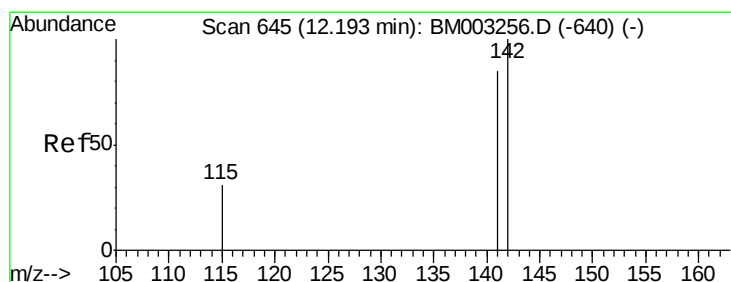
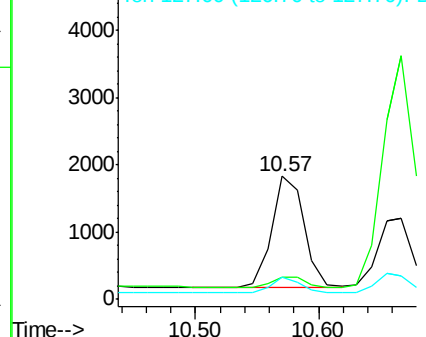
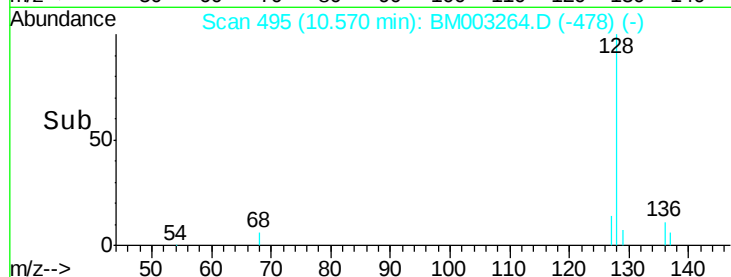
127 17.7 9.6 14.4#



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: 0.00 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM003264.D

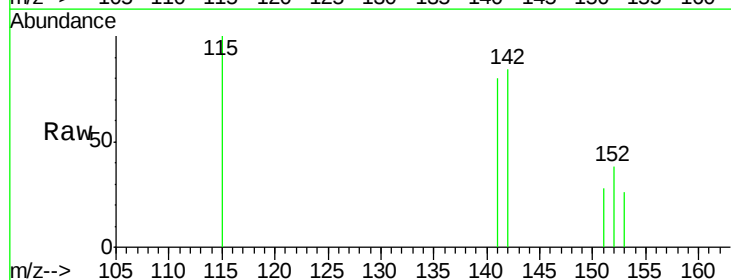
Acq: 22 Nov 2015 00:40

Tgt Ion:142 Resp: 319

Ion Ratio Lower Upper

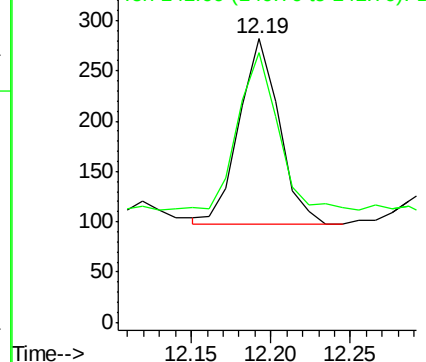
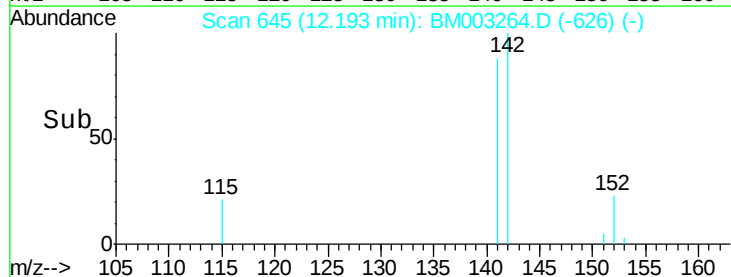
142 100

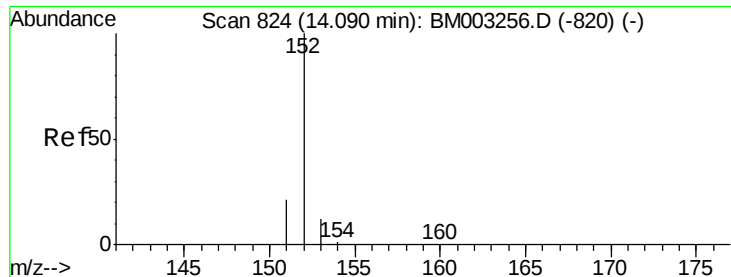
141 83.7 0.0 0.0#



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: BM003264.D

Acq: 22 Nov 2015 00:40

Instrument :

BNA_M

ClientSampleId :

A4J50

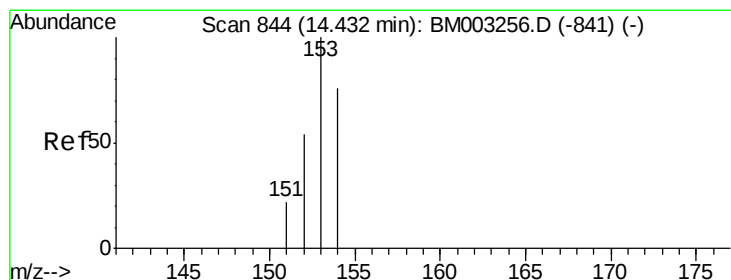
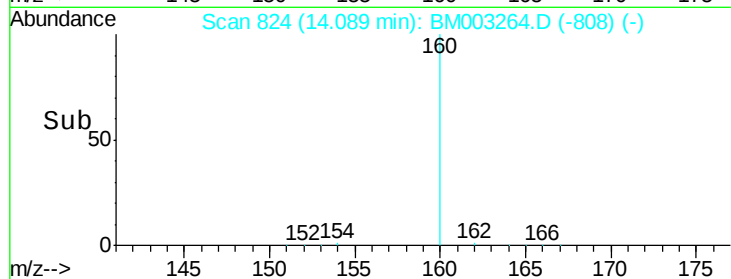
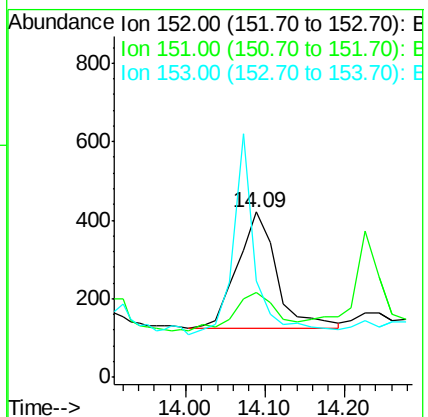
Tgt Ion:152 Resp: 1035

Ion Ratio Lower Upper

152 100

151 51.5 17.6 26.4#

153 58.2 9.7 14.5#



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.43 min Scan# 844

Delta R.T. -0.00 min

Lab File: BM003264.D

Acq: 22 Nov 2015 00:40

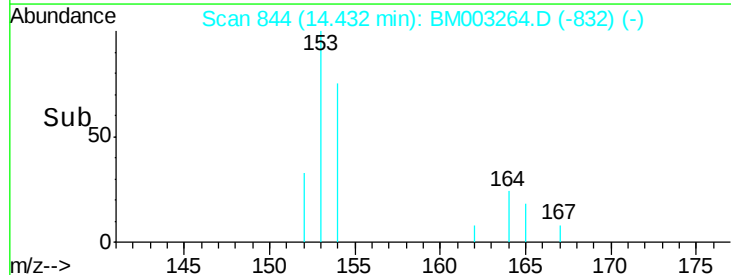
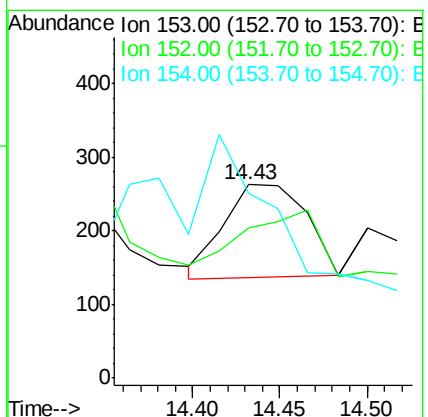
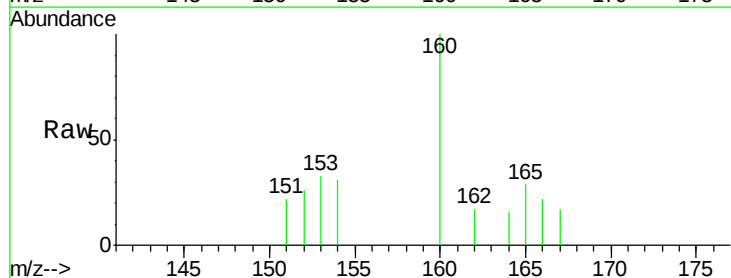
Tgt Ion:153 Resp: 414

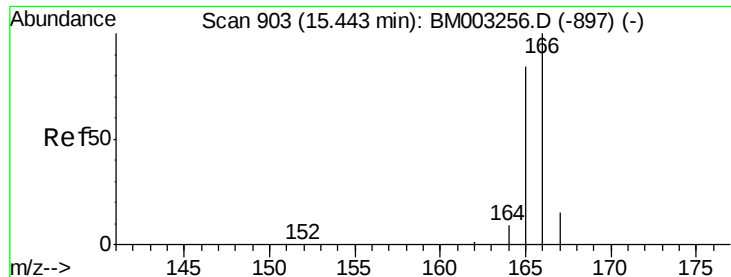
Ion Ratio Lower Upper

153 100

152 77.6 33.9 50.9#

154 95.4 80.6 121.0





#11

Fluorene

Concen: 0.00 ng/ul

RT: 15.49 min Scan# 906

Delta R.T. 0.05 min

Lab File: BM003264.D

Acq: 22 Nov 2015 00:40

Instrument :

BNA_M

ClientSampleId :

A4J50

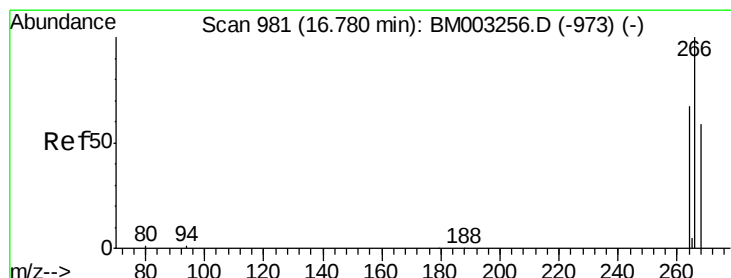
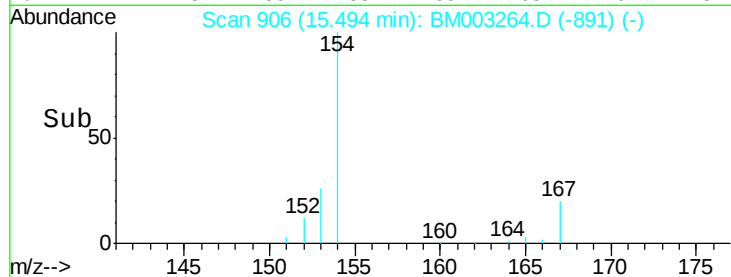
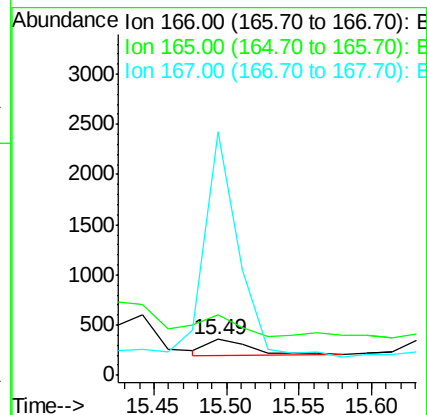
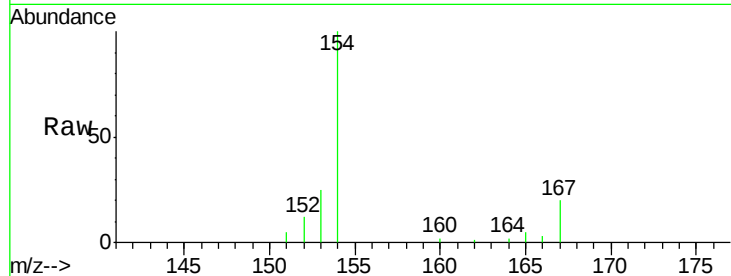
Tgt Ion:166 Resp: 365

Ion Ratio Lower Upper

166 100

165 168.1 69.6 104.4#

167 679.6 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: BM003264.D

Acq: 22 Nov 2015 00:40

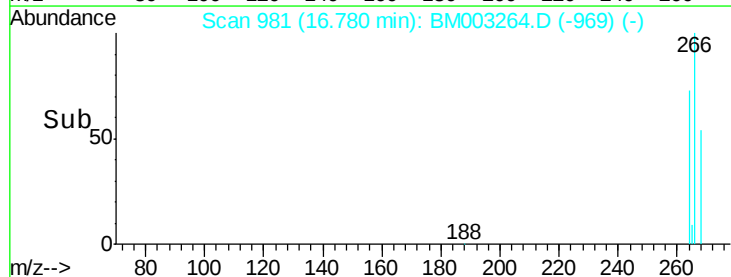
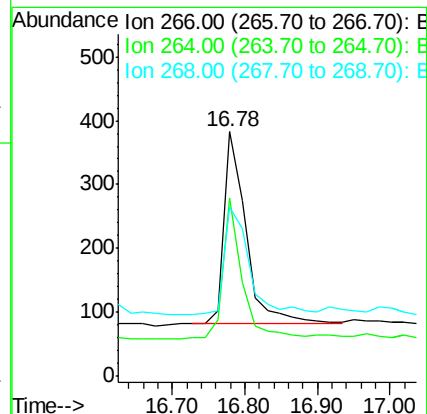
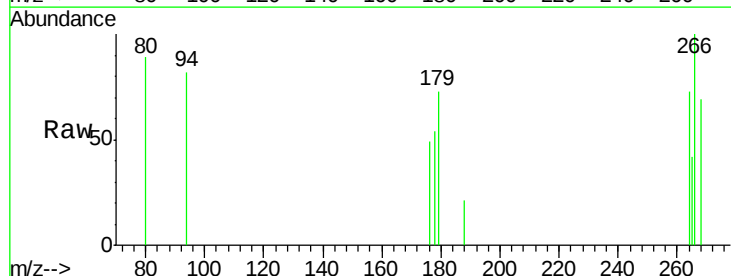
Tgt Ion:266 Resp: 636

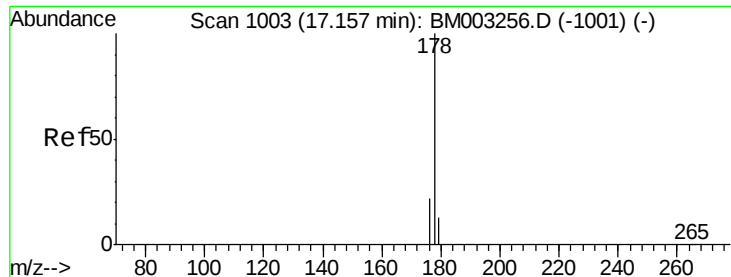
Ion Ratio Lower Upper

266 100

264 67.9 51.8 77.8

268 64.2 46.8 70.2





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.23 min Scan# 1007

Delta R.T. 0.07 min

Lab File: BM003264.D

Acq: 22 Nov 2015 00:40

Instrument :

BNA_M

ClientSampleId :

A4J50

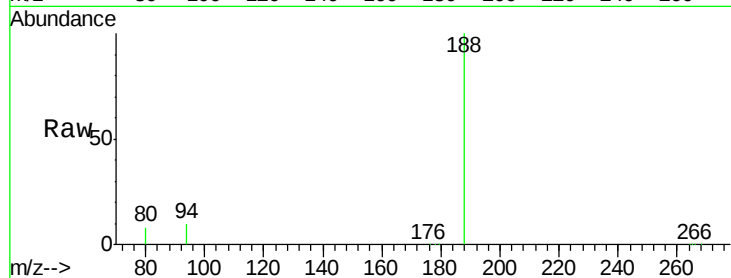
Tgt Ion:178 Resp: 2072

Ion Ratio Lower Upper

178 100

176 14.0 13.0 19.4

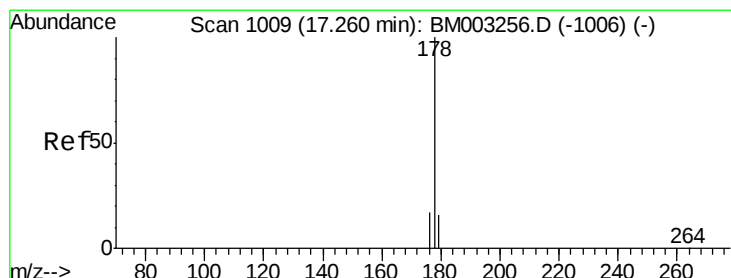
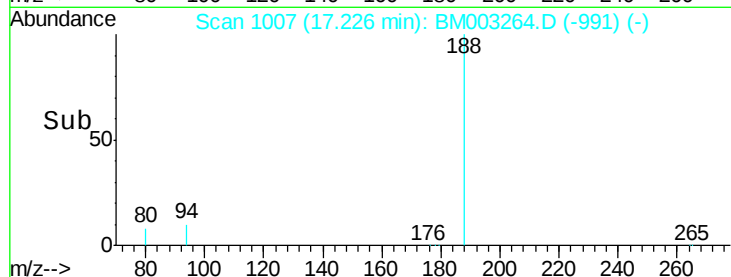
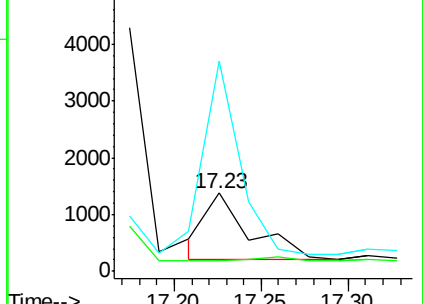
179 268.9 14.2 21.2#



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: 0.00 ng/ul

RT: 17.23 min Scan# 1007

Delta R.T. -0.03 min

Lab File: BM003264.D

Acq: 22 Nov 2015 00:40

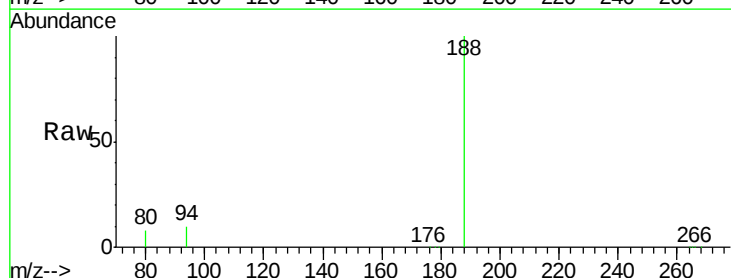
Tgt Ion:178 Resp: 2048

Ion Ratio Lower Upper

178 100

176 14.0 14.0 21.0

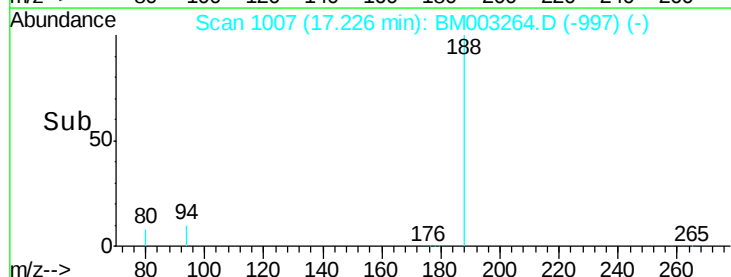
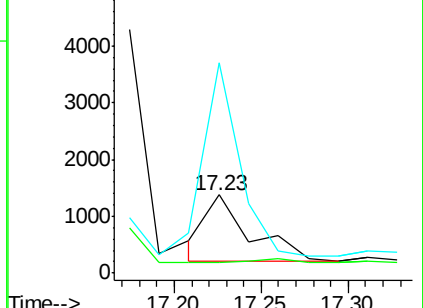
179 268.9 12.9 19.3#

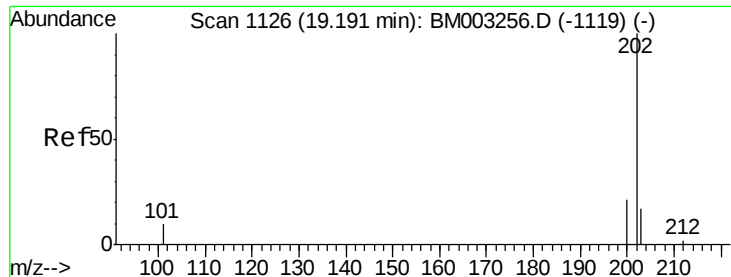


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

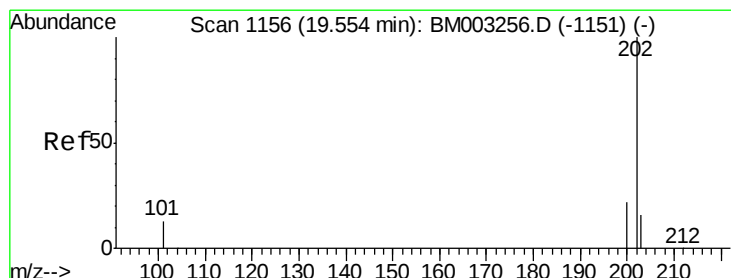
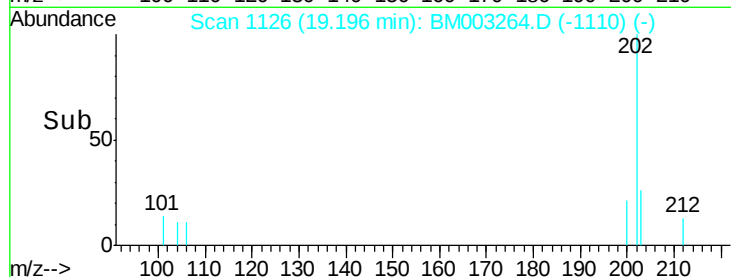
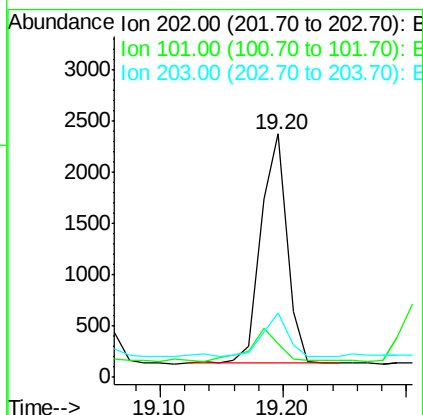
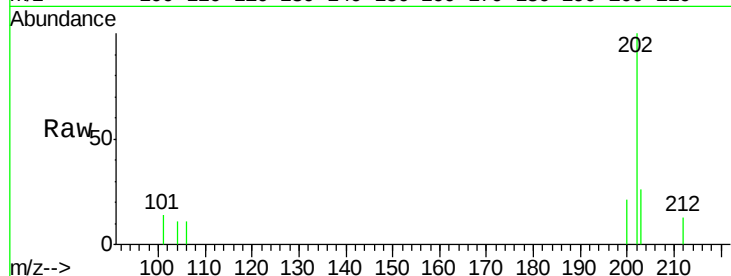




#17
Fluoranthene
 Concen: 0.00 ng/ul
 RT: 19.20 min Scan# 1126
 Delta R.T. 0.00 min
 Lab File: BM003264.D
 Acq: 22 Nov 2015 00:40

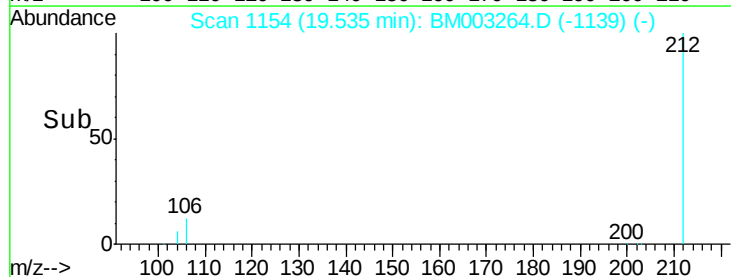
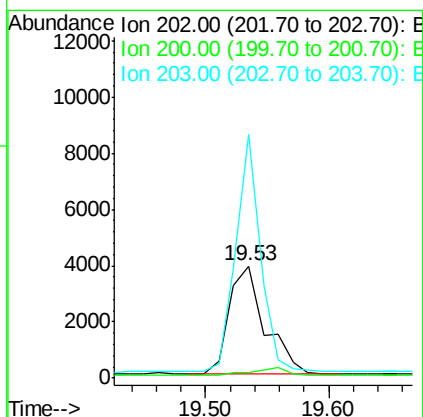
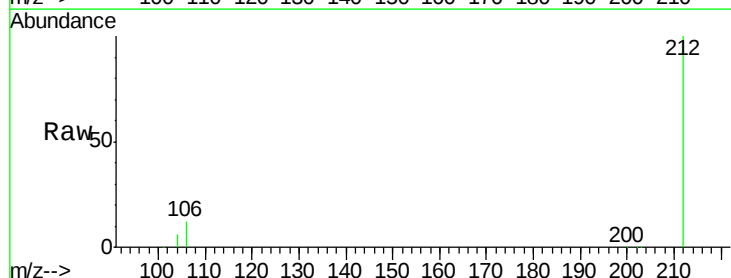
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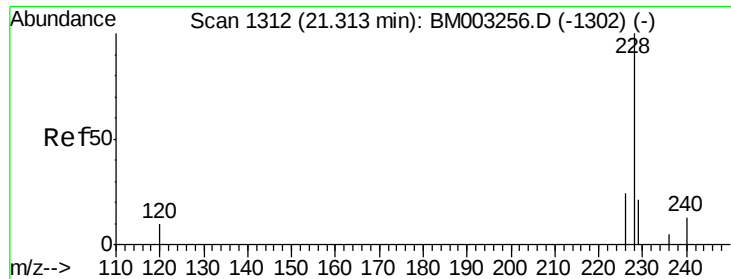
Tgt Ion:202 Resp: 3333
 Ion Ratio Lower Upper
 202 100
 101 13.6 0.0 29.6
 203 26.4 0.0 36.3



#19
Pyrene
 Concen: 0.04 ng/ul
 RT: 19.53 min Scan# 1154
 Delta R.T. -0.02 min
 Lab File: BM003264.D
 Acq: 22 Nov 2015 00:40

Tgt Ion:202 Resp: 7811
 Ion Ratio Lower Upper
 202 100
 200 5.1 17.8 26.8#
 203 216.8 12.8 19.2#





#20

Benzo(a)anthracene

Concen: 0.00 ng/ul

RT: 21.31 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BM003264.D

Acq: 22 Nov 2015 00:40

Instrument :

BNA_M

ClientSampleId :

A4J50

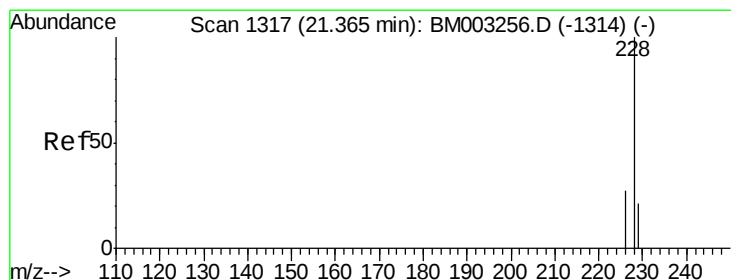
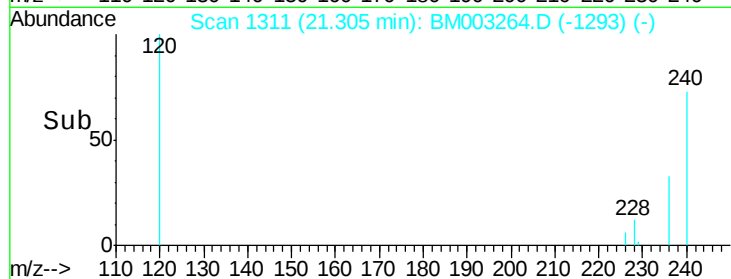
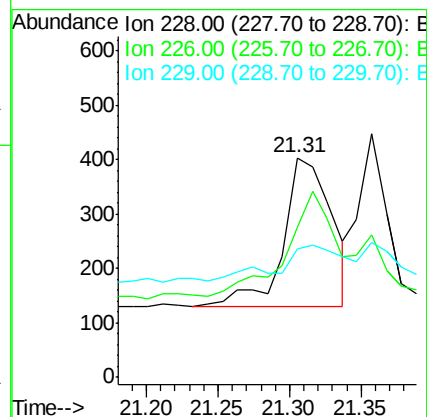
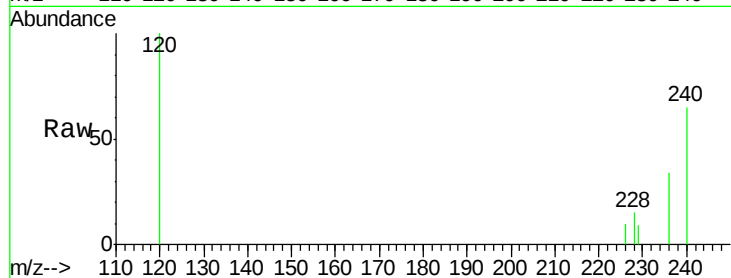
Tgt Ion:228 Resp: 640

Ion Ratio Lower Upper

228 100

226 68.5 18.8 28.2#

229 58.3 17.1 25.7#



#21

Chrysene

Concen: 0.00 ng/ul

RT: 21.36 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BM003264.D

Acq: 22 Nov 2015 00:40

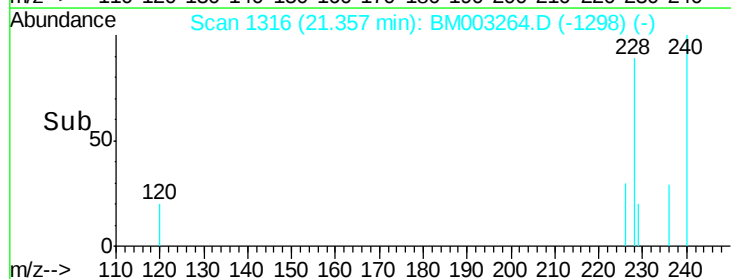
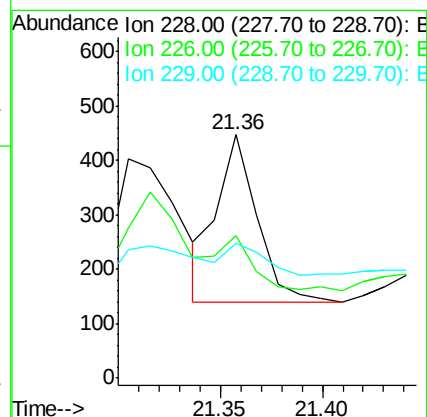
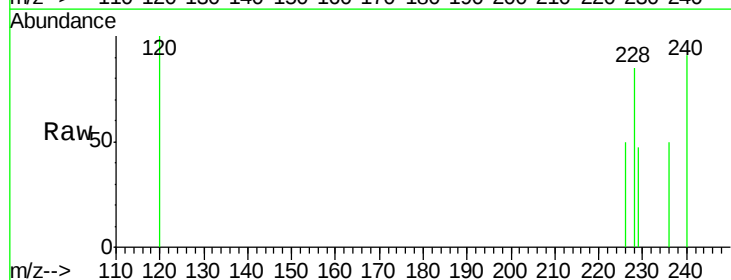
Tgt Ion:228 Resp: 421

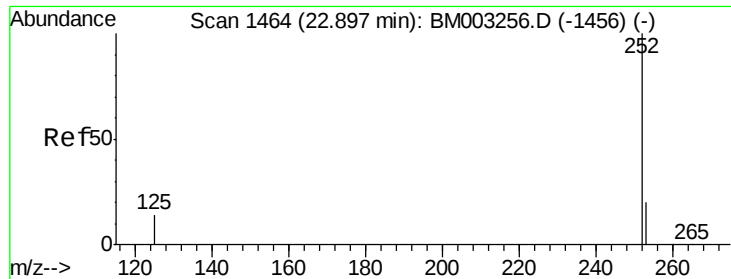
Ion Ratio Lower Upper

228 100

226 58.4 21.2 31.8#

229 55.3 17.0 25.6#





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/u1

RT: 22.71 min Scan# 1446

Delta R.T. -0.18 min

Lab File: BM003264.D

Acq: 22 Nov 2015 00:40

Instrument :

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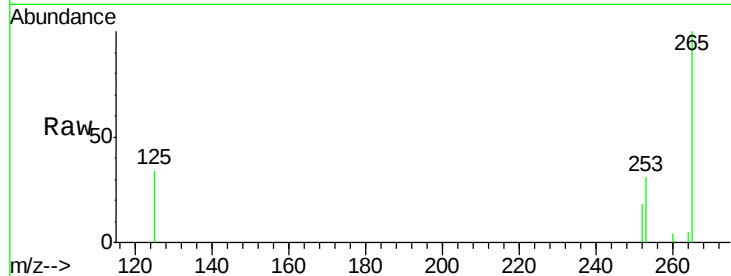
Tgt Ion:252 Resp: 53

Ion Ratio Lower Upper

252 100

253 174.1 0.0 45.4#

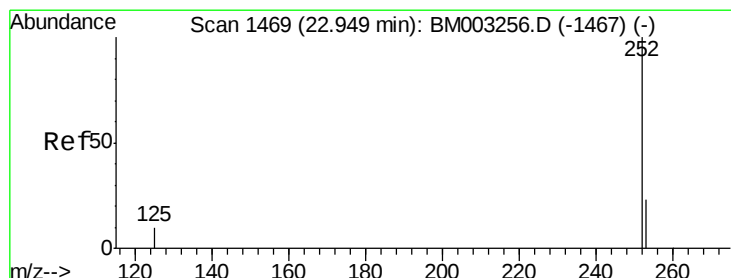
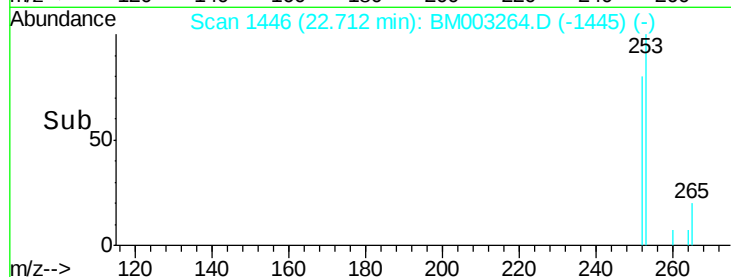
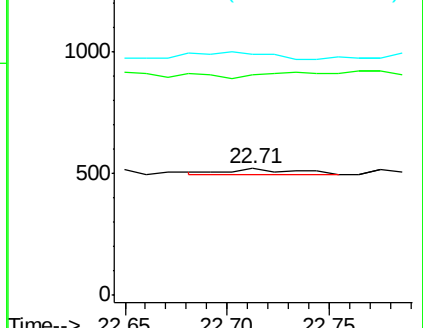
125 190.0 0.0 28.8#



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: 0.00 ng/u1

RT: 22.84 min Scan# 1458

Delta R.T. -0.11 min

Lab File: BM003264.D

Acq: 22 Nov 2015 00:40

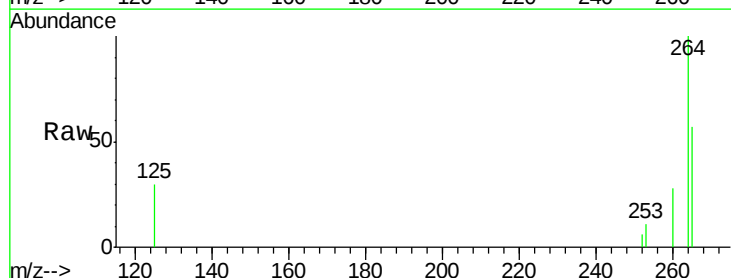
Tgt Ion:252 Resp: 185

Ion Ratio Lower Upper

252 100

253 165.5 19.8 29.8#

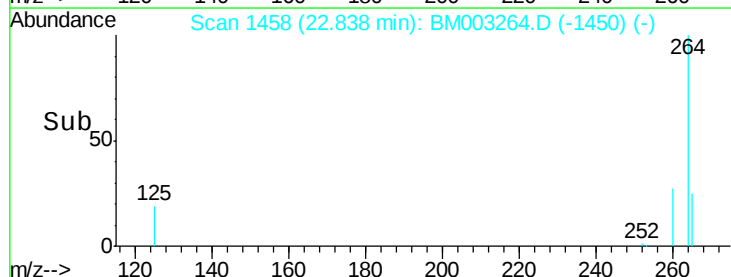
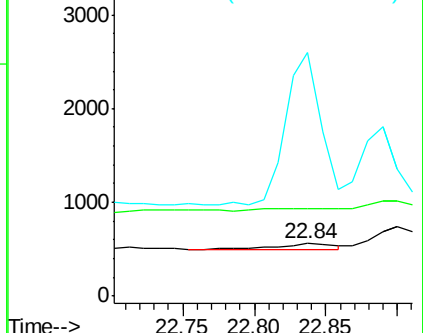
125 463.8 10.4 15.6#

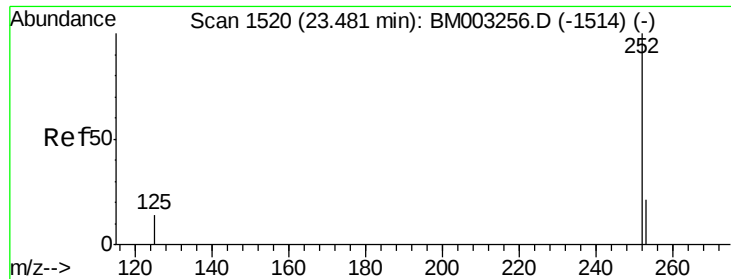


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.44 min Scan# 1516

Delta R.T. -0.04 min

Lab File: BM003264.D

Acq: 22 Nov 2015 00:40

Instrument :

BNA_M

ClientSampleId :

A4J50

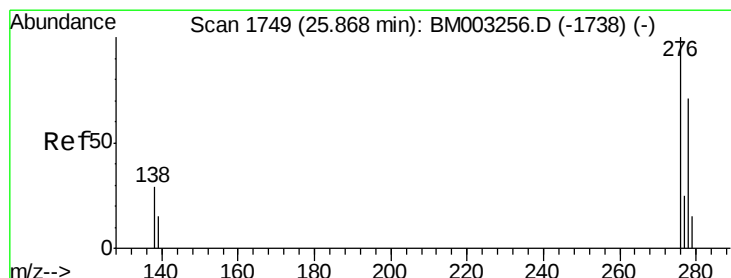
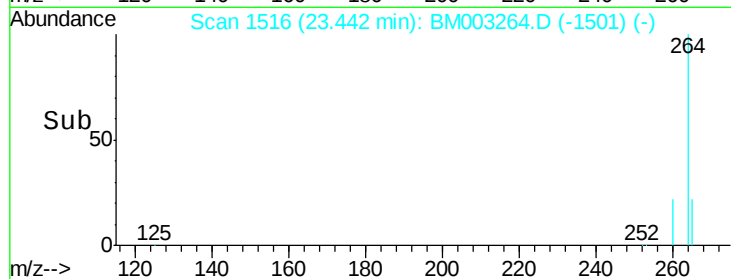
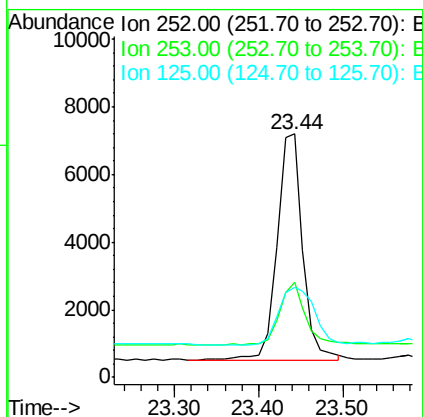
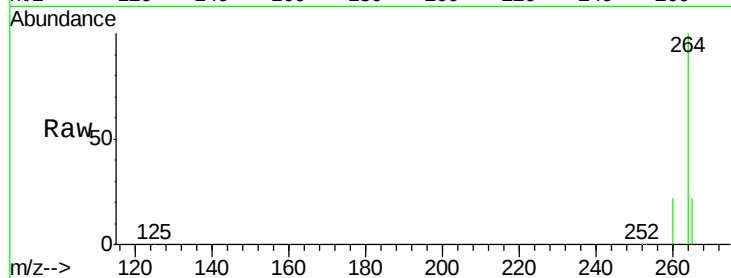
Tgt Ion: 252 Resp: 14075

Ion Ratio Lower Upper

252 100

253 38.9 19.4 29.2#

125 37.1 12.7 19.1#



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.76 min Scan# 1738

Delta R.T. -0.11 min

Lab File: BM003264.D

Acq: 22 Nov 2015 00:40

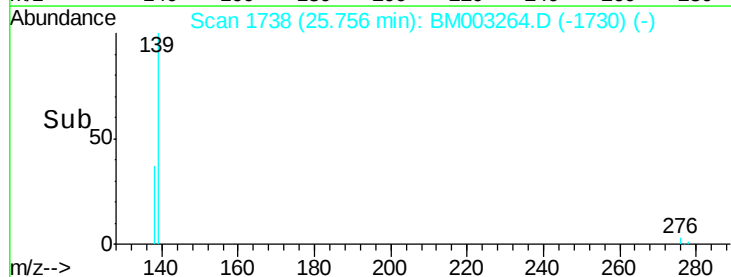
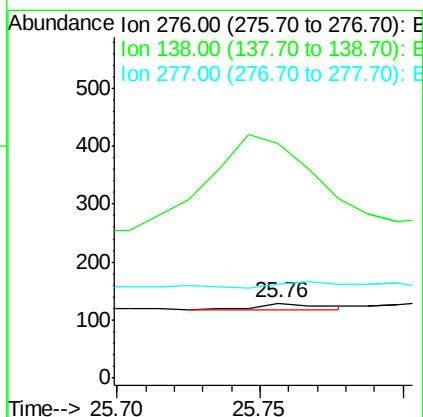
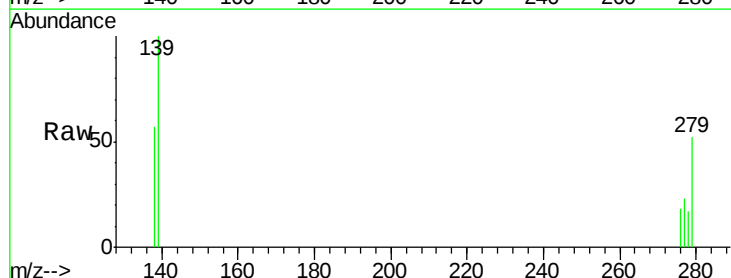
Tgt Ion: 276 Resp: 15

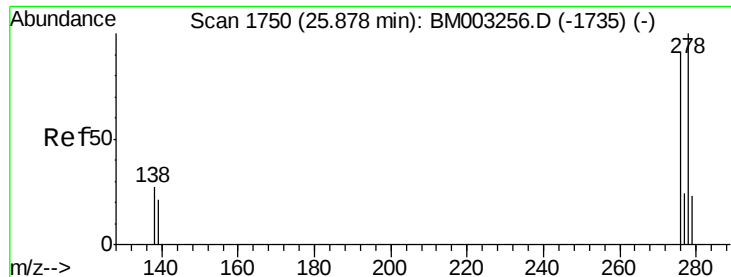
Ion Ratio Lower Upper

276 100

138 3060.0 16.3 24.5#

277 0.0 19.8 29.8#





#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.65 min Scan# 1728

Delta R.T. -0.23 min

Lab File: BM003264.D

Acq: 22 Nov 2015 00:40

Instrument :

BNA_M

ClientSampleId :

A4J50

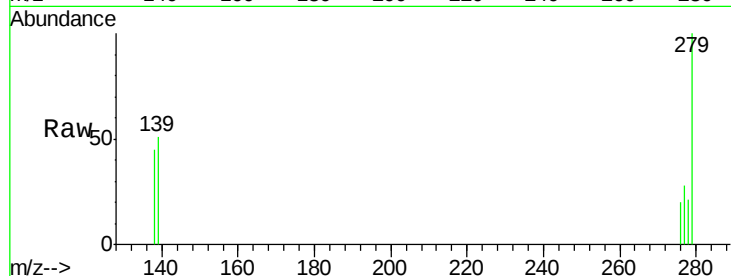
Tgt Ion: 278 Resp: 29

Ion Ratio Lower Upper

278 100

139 242.1 16.4 24.6#

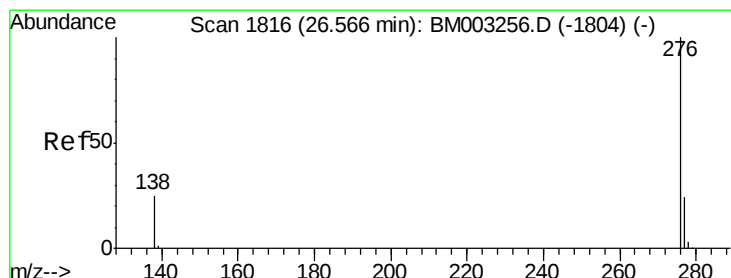
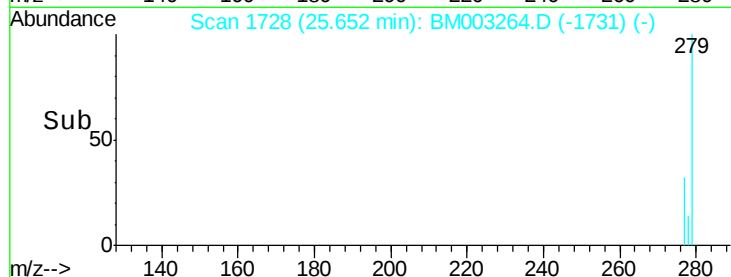
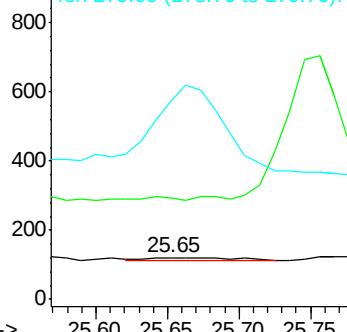
279 471.9 20.2 30.2#



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: 0.00 ng/ul

RT: 26.40 min Scan# 1800

Delta R.T. -0.16 min

Lab File: BM003264.D

Acq: 22 Nov 2015 00:40

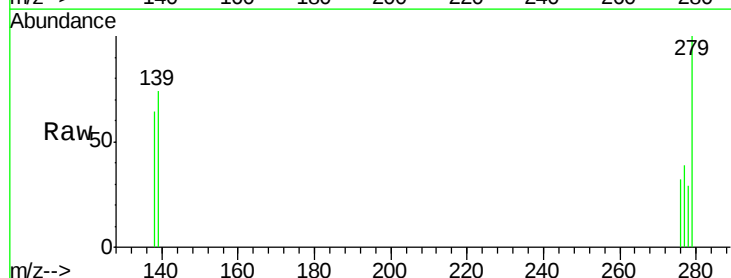
Tgt Ion: 276 Resp: 64

Ion Ratio Lower Upper

276 100

277 121.4 18.9 28.3#

138 198.4 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

