

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112015\
 Data File : BM003216.D
 Acq On : 20 Nov 2015 10:13
 Operator : UM/IZ
 Sample : G4323-24
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4J43

Quant Time: Nov 21 03:28:50 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 03:26:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	14555	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	57251	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	29908	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	3347942	0.40	ng/ul	0.10
18) Chrysene-d12	21.33	240	51847	0.40	ng/ul	0.00
22) Perylene-d12	23.45	264	3341382	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	75883	4.88	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	20265	0.26	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	35566	0.00	ng/ul	0.00

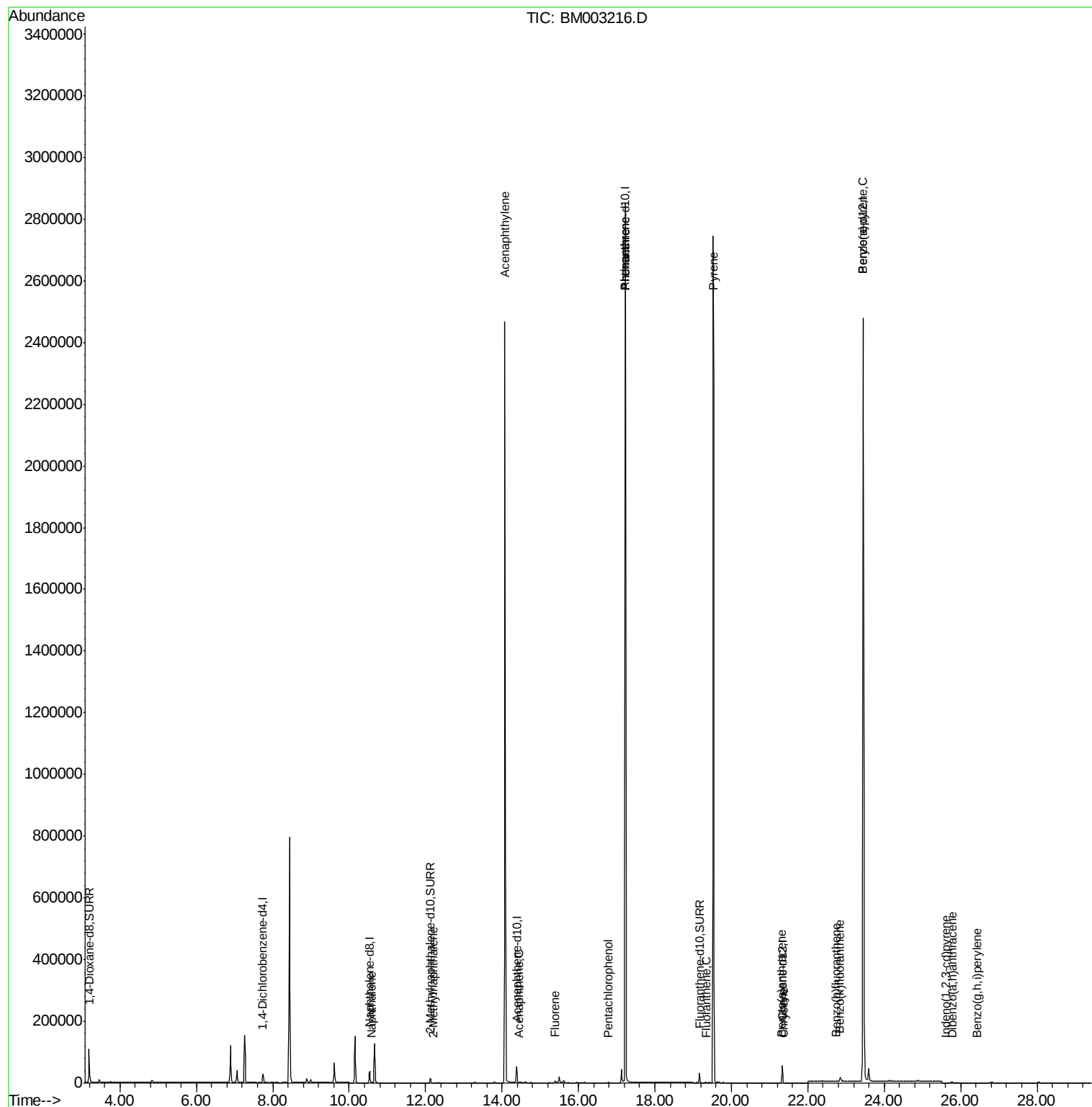
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.58	128	1632	0.01	ng/ul#	76
7) 2-Methylnaphthalene	12.19	142	219	0.00	ng/ul#	100
9) Acenaphthylene	14.07	152	747	0.01	ng/ul#	1
10) Acenaphthene	14.45	153	249	0.00	ng/ul#	77
11) Fluorene	15.39	166	7067	0.06	ng/ul#	18
13) Pentachlorophenol	16.78	266	591	0.00	ng/ul#	89
14) Phenanthrene	17.23	178	1760	0.00	ng/ul#	1
15) Anthracene	17.23	178	1778	0.00	ng/ul#	1
17) Fluoranthene	19.35	202	213	0.00	ng/ul#	1
19) Pyrene	19.53	202	5907	0.03	ng/ul#	1
20) Benzo(a)anthracene	21.31	228	585	0.00	ng/ul#	25
21) Chrysene	21.36	228	431	0.00	ng/ul#	47
23) Benzo(b)fluoranthene	22.75	252	67	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.84	252	67	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.45	252	12727	0.00	ng/ul#	63
26) Indeno(1,2,3-cd)pyrene	25.62	276	28	0.00	ng/ul#	64
27) Dibenzo(a,h)anthracene	25.77	278	33	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.43	276	28	0.00	ng/ul#	1

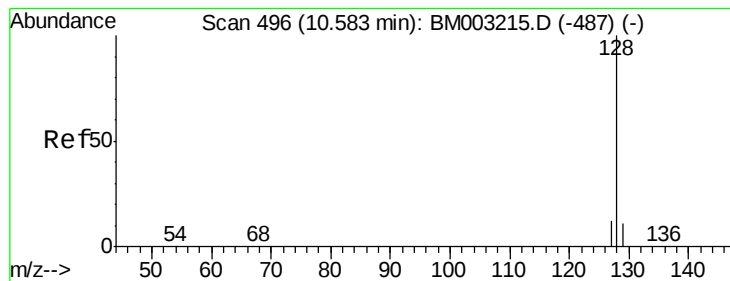
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.01 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. 0.00 min

Lab File: BM003216.D

Acq: 20 Nov 2015 10:13

Instrument :

BNA_M

ClientSampleId :

A4J43

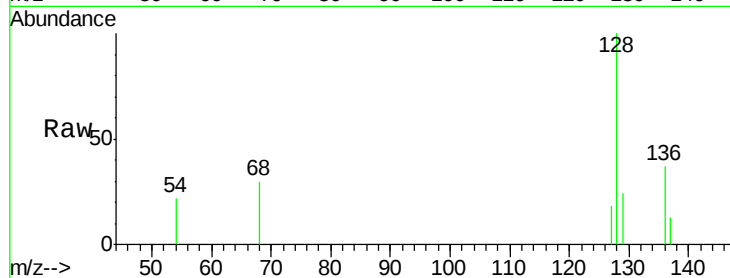
Tgt Ion:128 Resp: 1632

Ion Ratio Lower Upper

128 100

129 23.8 9.0 13.6#

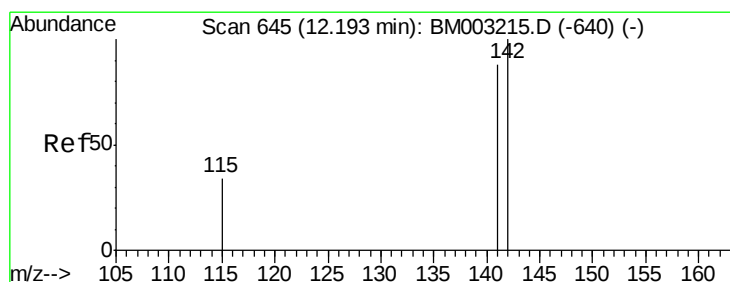
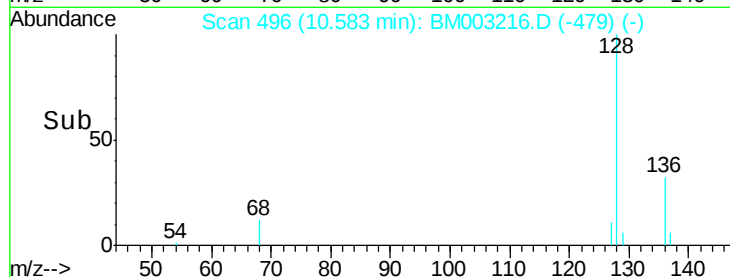
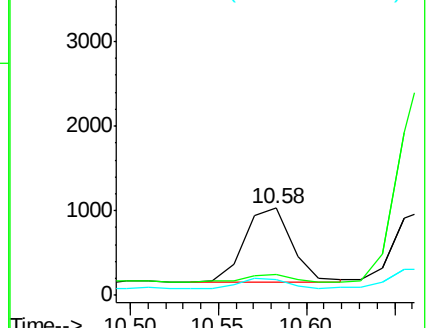
127 18.1 9.6 14.4#



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: BM003216.D

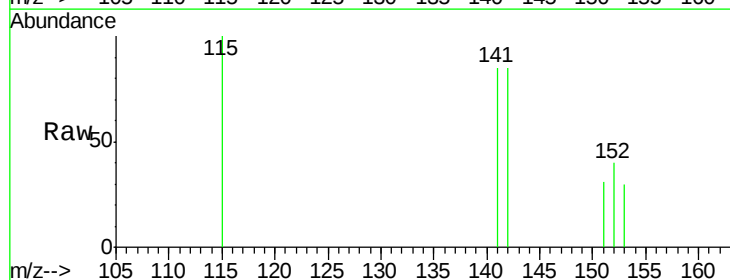
Acq: 20 Nov 2015 10:13

Tgt Ion:142 Resp: 219

Ion Ratio Lower Upper

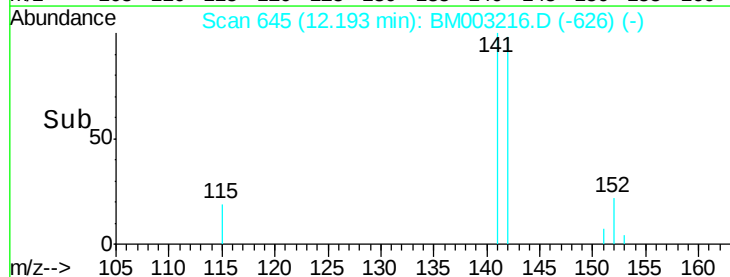
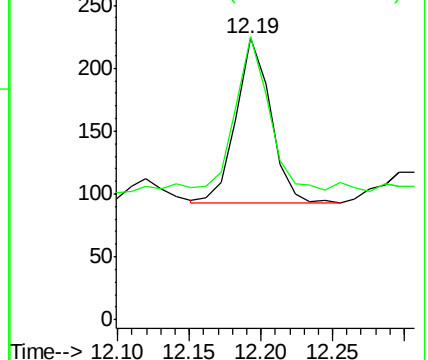
142 100

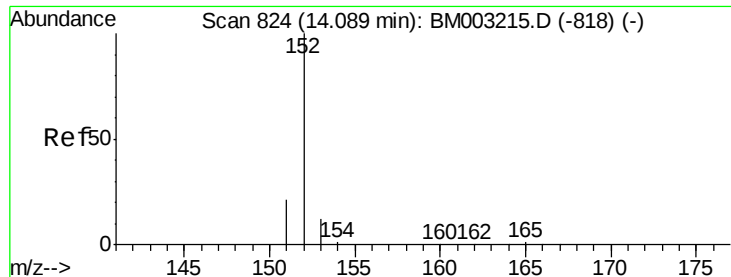
141 103.2 0.0 0.0#



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: 14.07 min Scan# 823

Delta R.T. -0.02 min

Lab File: BM003216.D

Acq: 20 Nov 2015 10:13

Instrument :

BNA_M

ClientSampleId :

A4J43

Tgt Ion:152 Resp: 747

Ion Ratio Lower Upper

152 100

151 45.7 17.6 26.4#

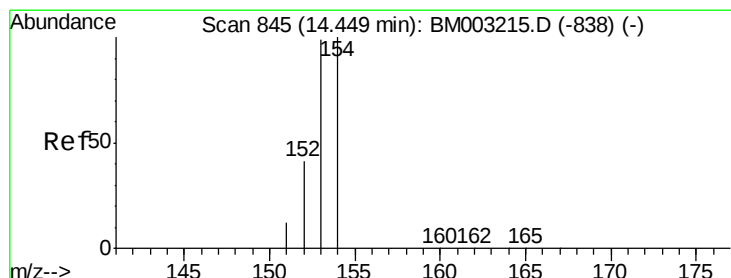
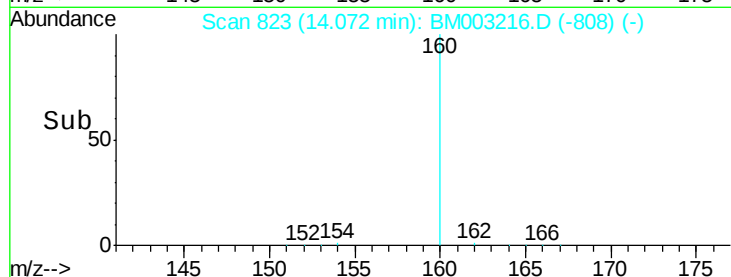
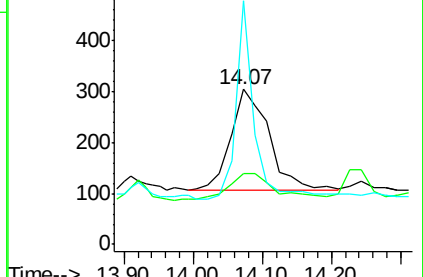
153 157.2 9.7 14.5#



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: 0.00 ng/ul

RT: 14.45 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM003216.D

Acq: 20 Nov 2015 10:13

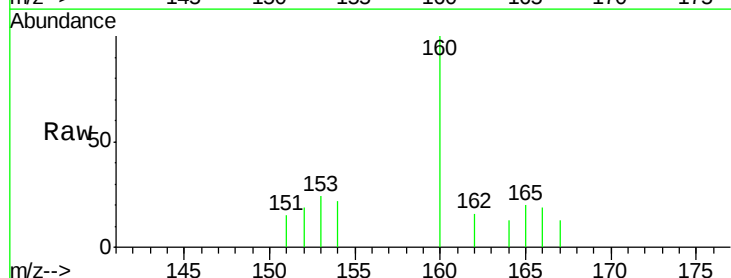
Tgt Ion:153 Resp: 249

Ion Ratio Lower Upper

153 100

152 78.8 33.9 50.9#

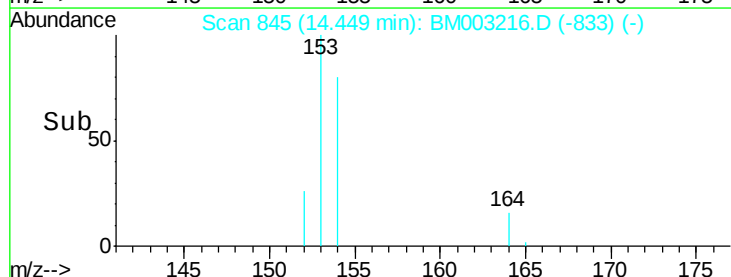
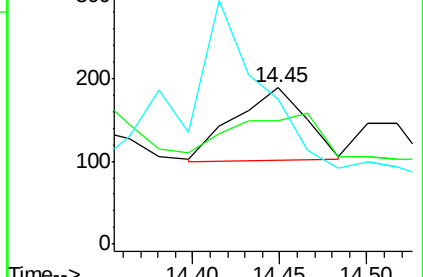
154 92.6 80.6 121.0

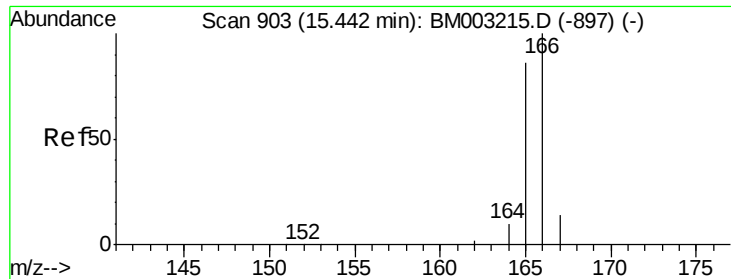


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.06 ng/ul

RT: 15.39 min Scan# 900

Delta R.T. -0.05 min

Lab File: BM003216.D

Acq: 20 Nov 2015 10:13

Instrument :

BNA_M

ClientSampleId :

A4J43

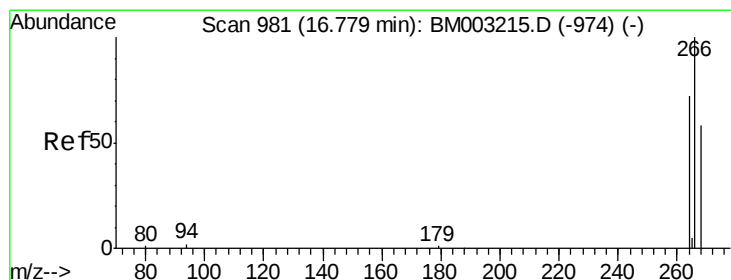
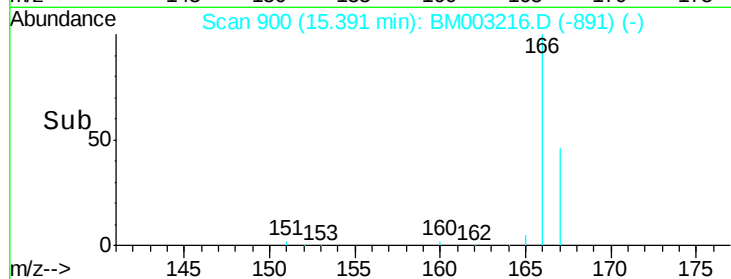
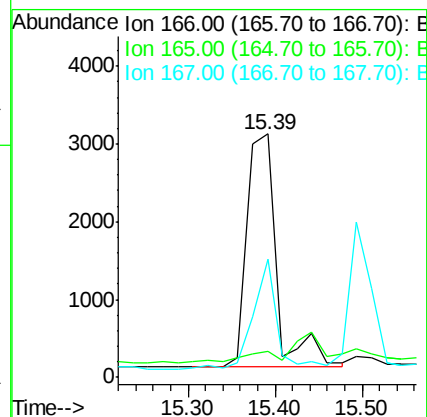
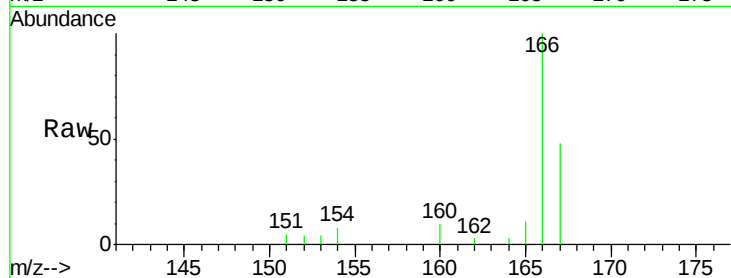
Tgt Ion:166 Resp: 7067

Ion Ratio Lower Upper

166 100

165 10.7 69.6 104.4#

167 48.4 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: BM003216.D

Acq: 20 Nov 2015 10:13

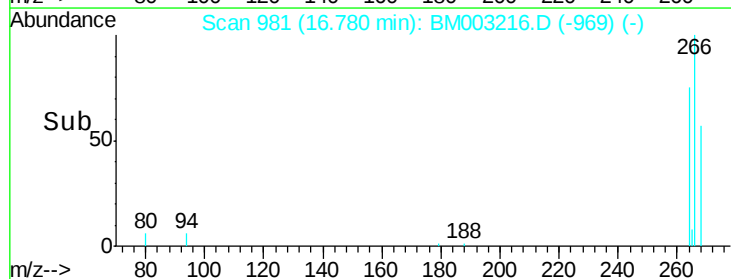
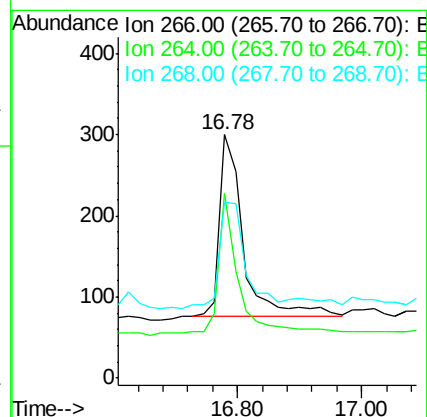
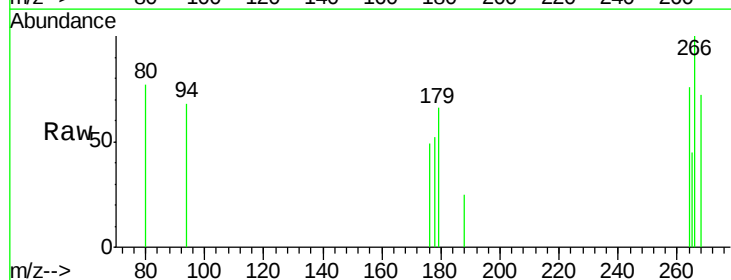
Tgt Ion:266 Resp: 591

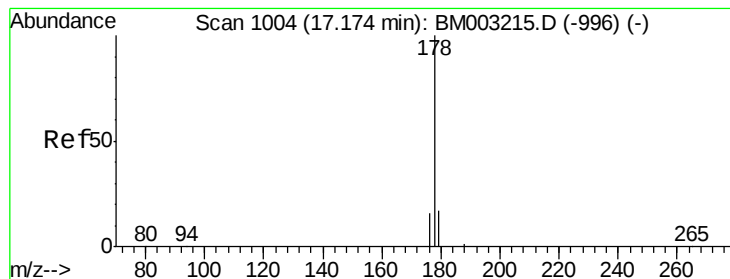
Ion Ratio Lower Upper

266 100

264 62.8 51.8 77.8

268 74.1 46.8 70.2#





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.23 min Scan# 1007

Delta R.T. 0.05 min

Lab File: BM003216.D

Acq: 20 Nov 2015 10:13

Instrument :

BNA_M

ClientSampleId :

A4J43

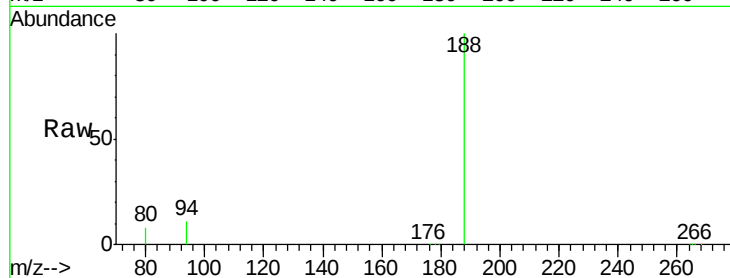
Tgt Ion:178 Resp: 1760

Ion Ratio Lower Upper

178 100

176 15.2 13.0 19.4

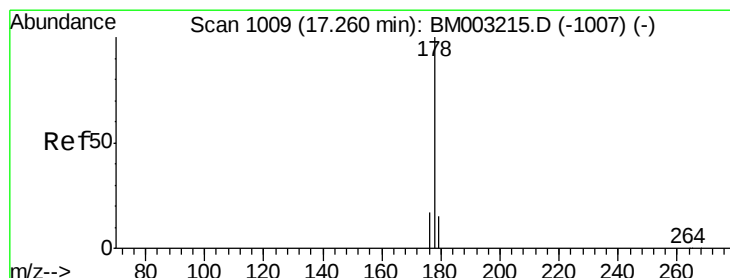
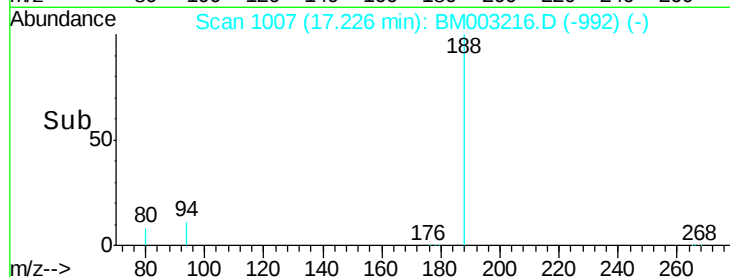
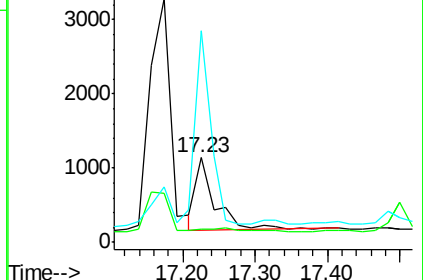
179 249.4 14.2 21.2#



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: BM003216.D

Acq: 20 Nov 2015 10:13

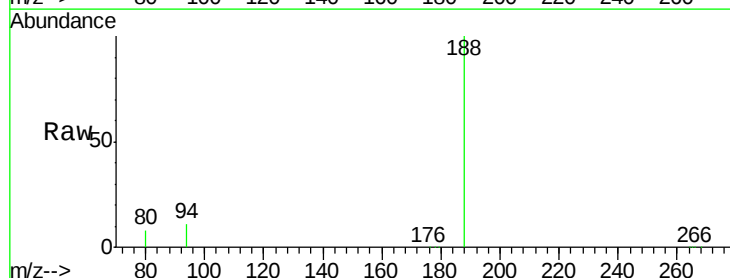
Tgt Ion:178 Resp: 1778

Ion Ratio Lower Upper

178 100

176 15.2 14.0 21.0

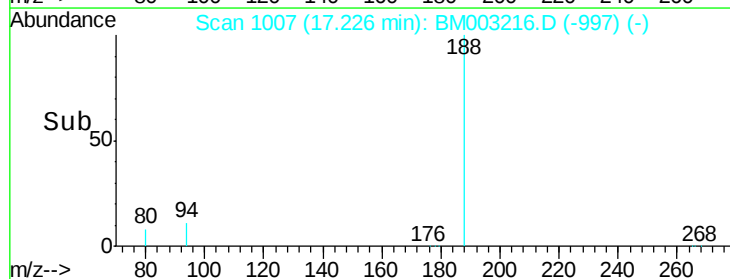
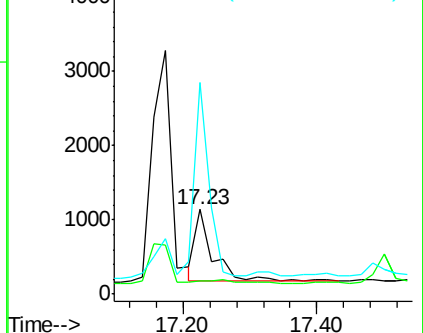
179 249.4 12.9 19.3#

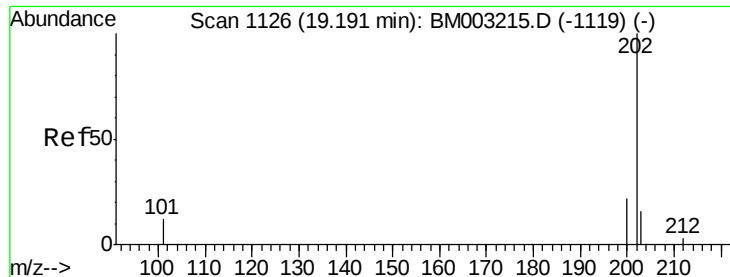


Abundance Ion 178.00 (177.70 to 178.70): E

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: 19.35 min Scan# 1139

Delta R.T. 0.16 min

Lab File: BM003216.D

Acq: 20 Nov 2015 10:13

Instrument :

BNA_M

ClientSampleId :

A4J43

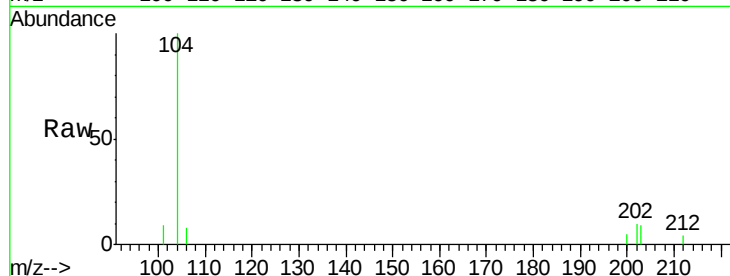
Tgt Ion:202 Resp: 213

Ion Ratio Lower Upper

202 100

101 98.6 0.0 29.6#

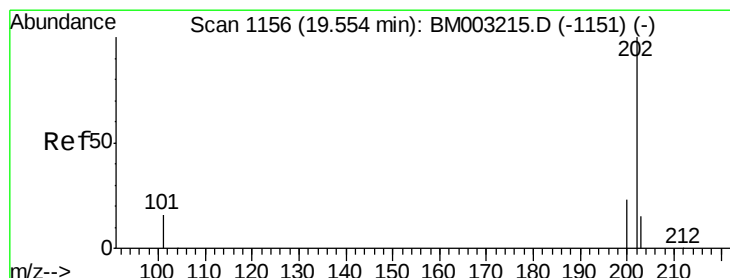
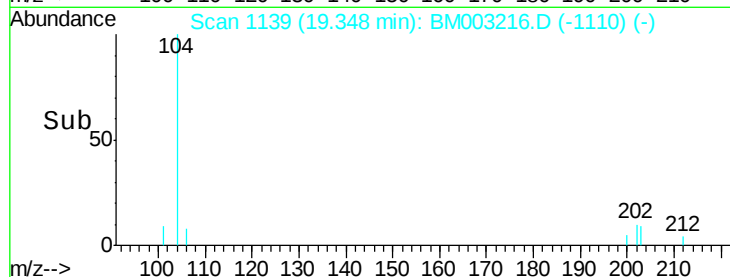
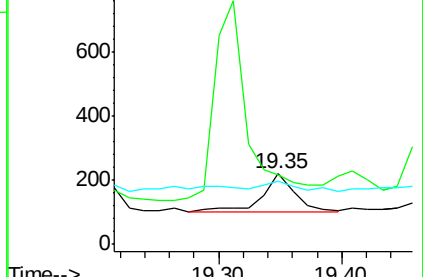
203 89.5 0.0 36.3#



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: 0.03 ng/ul

RT: 19.53 min Scan# 1154

Delta R.T. -0.02 min

Lab File: BM003216.D

Acq: 20 Nov 2015 10:13

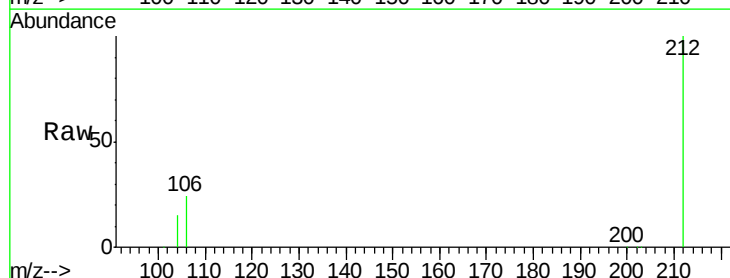
Tgt Ion:202 Resp: 5907

Ion Ratio Lower Upper

202 100

200 4.9 17.8 26.8#

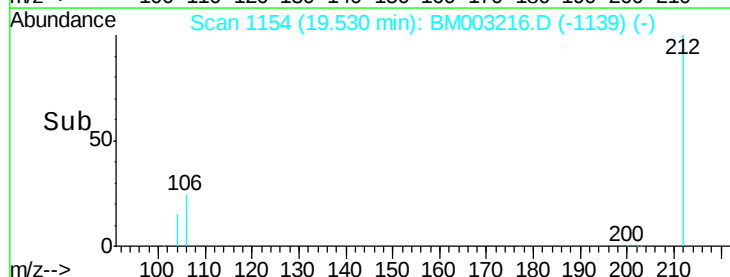
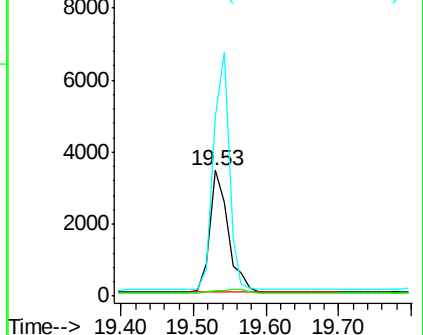
203 142.7 12.8 19.2#

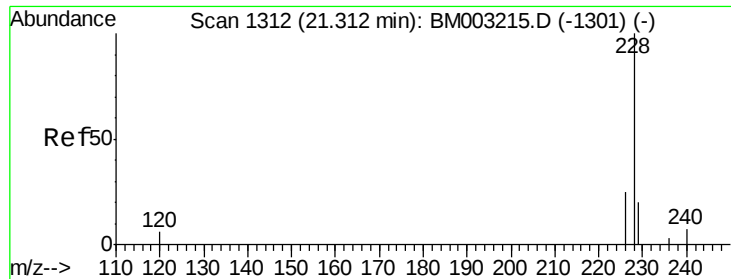


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.00 ng/ul

RT: 21.31 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BM003216.D

Acq: 20 Nov 2015 10:13

Instrument :

BNA_M

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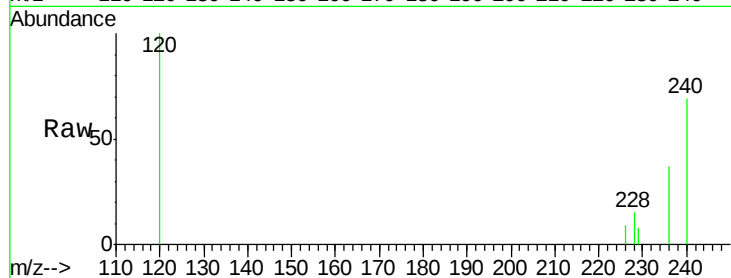
Tgt Ion:228 Resp: 585

Ion Ratio Lower Upper

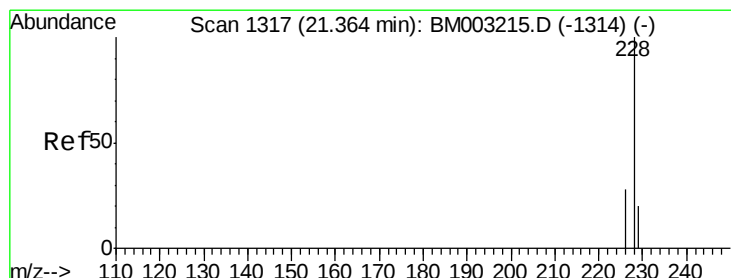
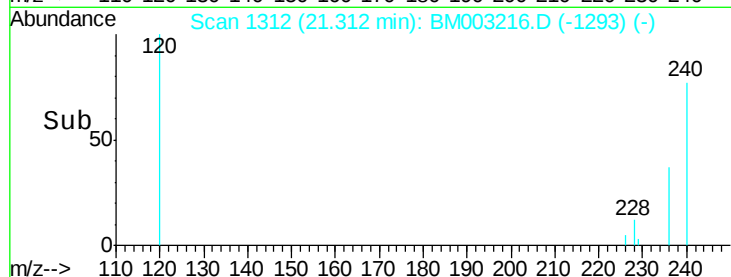
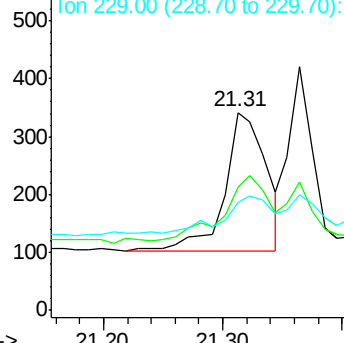
228 100

226 62.0 18.8 28.2#

229 54.4 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: 0.00 ng/ul

RT: 21.36 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BM003216.D

Acq: 20 Nov 2015 10:13

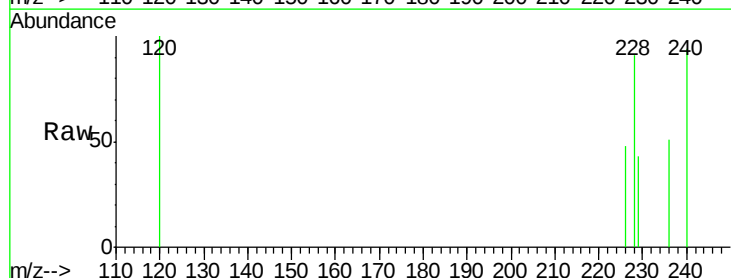
Tgt Ion:228 Resp: 431

Ion Ratio Lower Upper

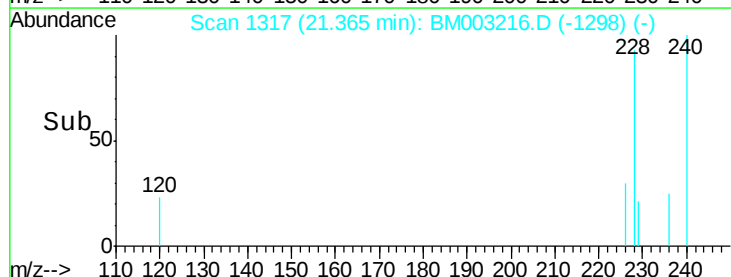
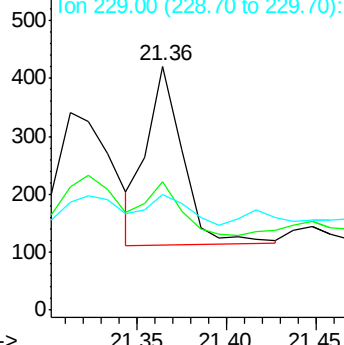
228 100

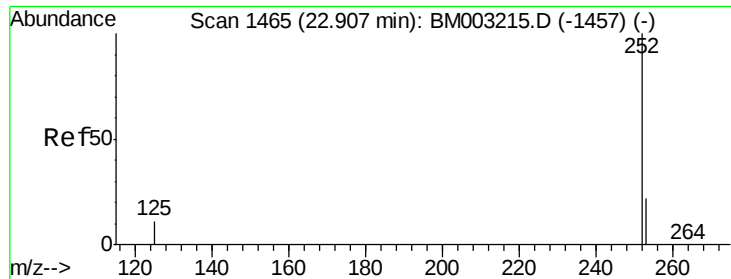
226 52.7 21.2 31.8#

229 47.5 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: 0.00 ng/u1

RT: 22.75 min Scan# 1450

Delta R.T. -0.16 min

Lab File: BM003216.D

Acq: 20 Nov 2015 10:13

Instrument :

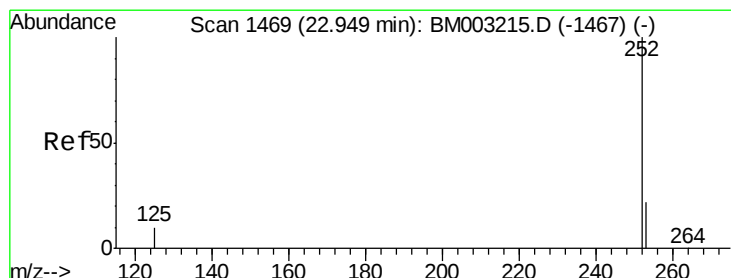
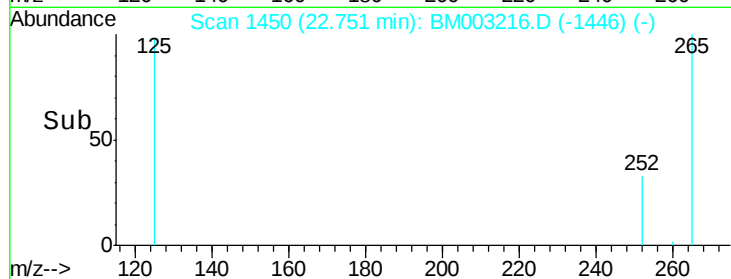
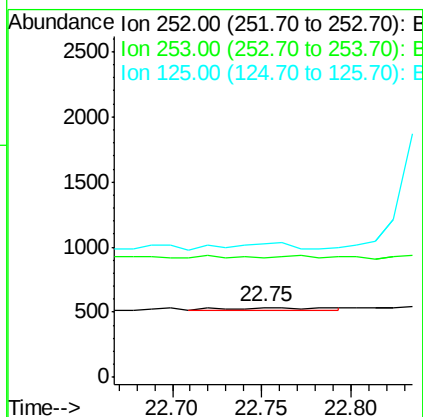
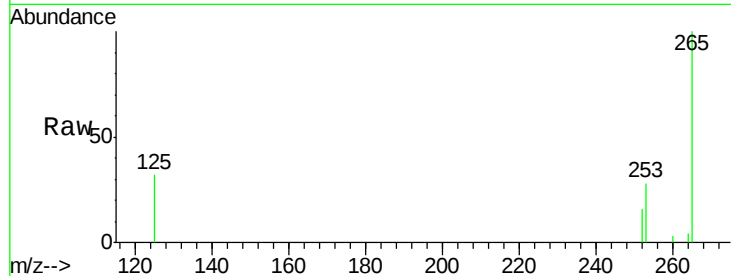
BNA_M

ClientSampleId :

A4J43

Tgt Ion:252 Resp: 67

Ion	Ratio	Lower	Upper
252	100		
253	171.9	0.0	45.4#
125	192.7	0.0	28.8#



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/u1

RT: 22.84 min Scan# 1459

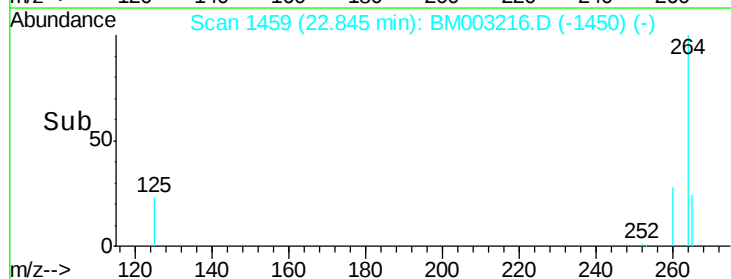
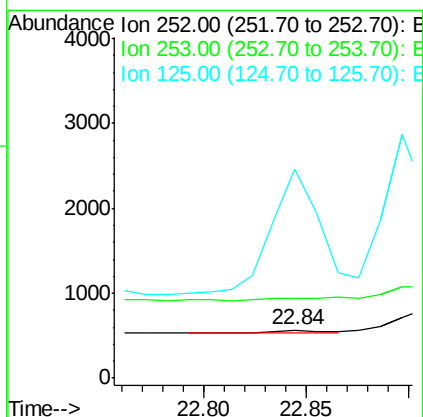
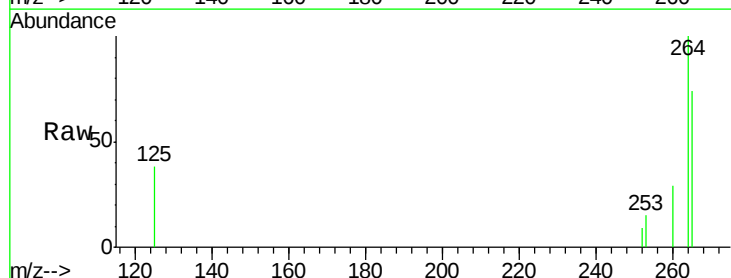
Delta R.T. -0.10 min

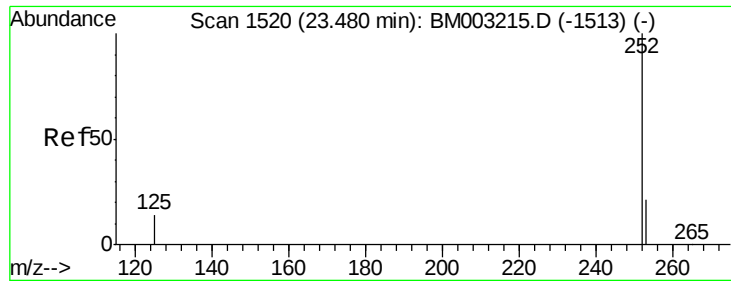
Lab File: BM003216.D

Acq: 20 Nov 2015 10:13

Tgt Ion:252 Resp: 67

Ion	Ratio	Lower	Upper
252	100		
253	164.3	19.8	29.8#
125	432.6	10.4	15.6#





#25

Benzo(a)pyrene

Concen: 0.00 ng/u1

RT: 23.45 min Scan# 1517

Delta R.T. -0.03 min

Lab File: BM003216.D

Acq: 20 Nov 2015 10:13

Instrument :

BNA_M

ClientSampleId :

A4J43

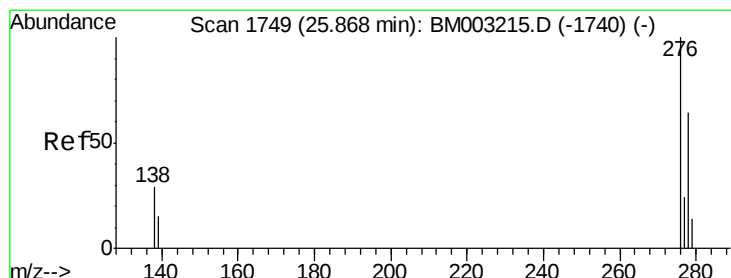
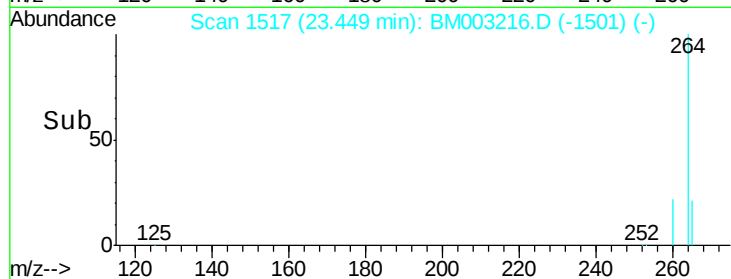
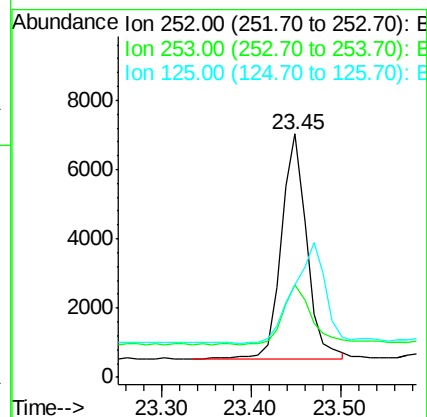
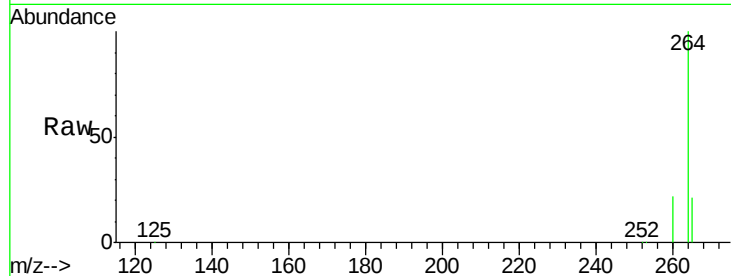
Tgt Ion:252 Resp: 12727

Ion Ratio Lower Upper

252 100

253 37.9 19.4 29.2#

125 37.9 12.7 19.1#



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/u1

RT: 25.62 min Scan# 1725

Delta R.T. -0.25 min

Lab File: BM003216.D

Acq: 20 Nov 2015 10:13

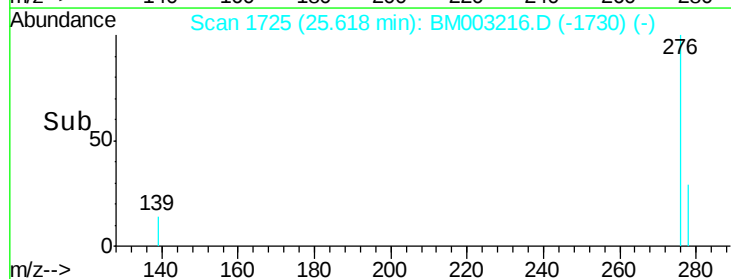
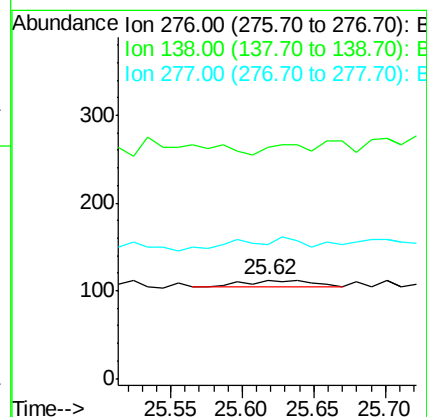
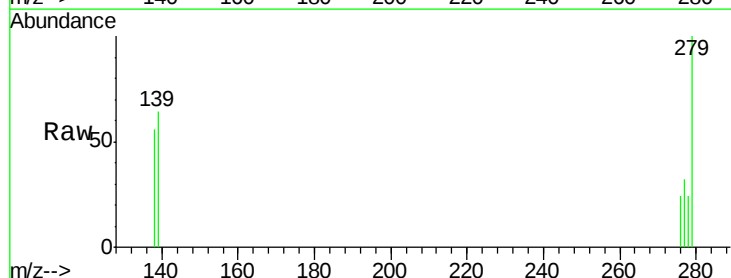
Tgt Ion:276 Resp: 28

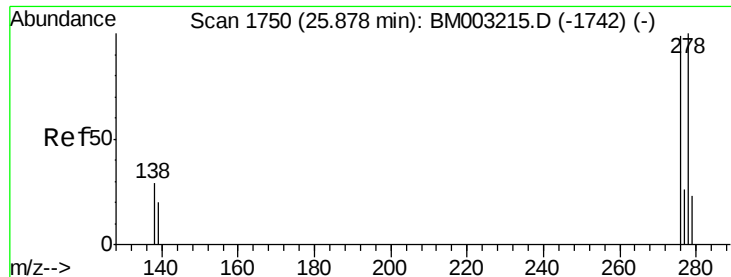
Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

277 39.3 19.8 29.8#





#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.77 min Scan# 1740

Delta R.T. -0.10 min

Lab File: BM003216.D

Acq: 20 Nov 2015 10:13

Instrument :

BNA_M

ClientSampleId :

A4J43

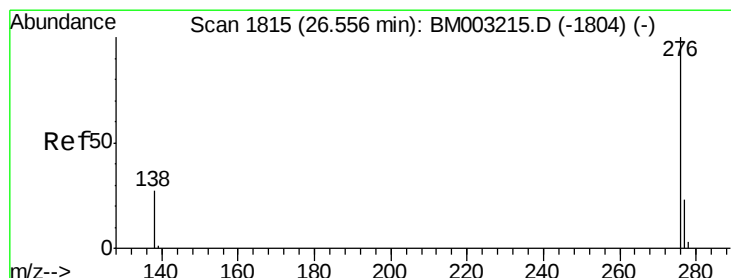
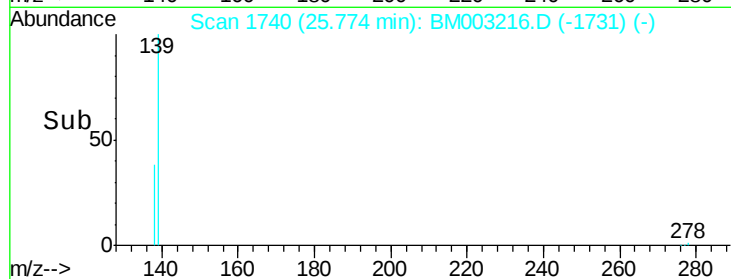
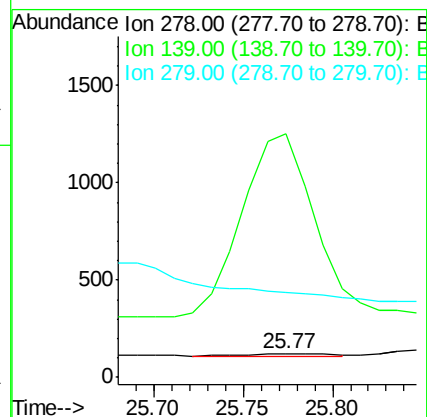
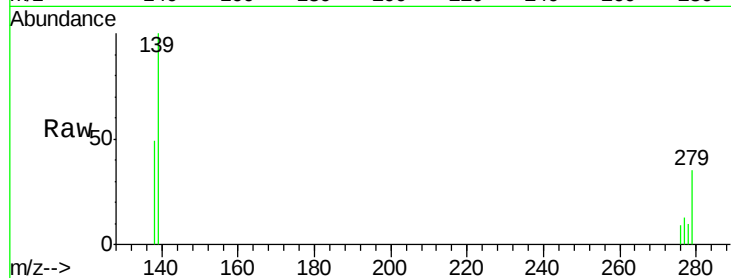
Tgt Ion:278 Resp: 33

Ion Ratio Lower Upper

278 100

139 1034.7 16.4 24.6#

279 359.5 20.2 30.2#



#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.43 min Scan# 1803

Delta R.T. -0.13 min

Lab File: BM003216.D

Acq: 20 Nov 2015 10:13

Tgt Ion:276 Resp: 28

Ion Ratio Lower Upper

276 100

277 129.9 18.9 28.3#

138 226.5 22.5 33.7#

