

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112015\
 Data File : BM003232.D
 Acq On : 20 Nov 2015 21:44
 Operator : UM/IZ
 Sample : G4322-11DL 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HS2DL

Quant Time: Nov 21 04:27:23 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	12667	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	47720	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	22772	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	46704	0.40	ng/ul	0.00
18) Chrysene-d12	21.33	240	50488	0.40	ng/ul	0.00
22) Perylene-d12	23.58	264	49037	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.20	96	3771	0.28	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	994	0.02	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	1882	0.02	ng/ul	0.00

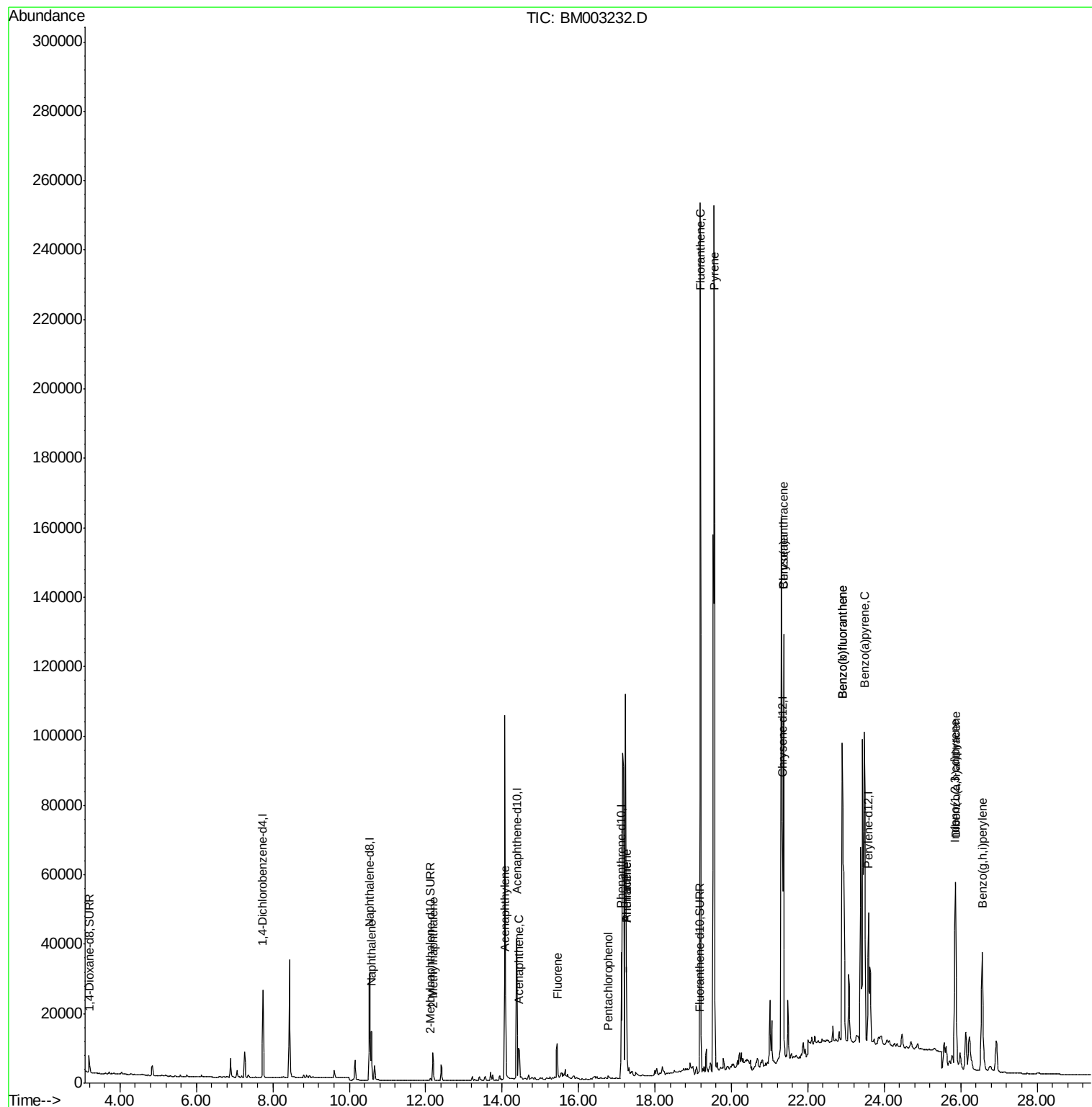
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.58	128	22006	0.18	ng/ul	98
7) 2-Methylnaphthalene	12.19	142	5899	0.07	ng/ul#	100
9) Acenaphthylene	14.09	152	6979	0.07	ng/ul#	96
10) Acenaphthene	14.43	153	7355	0.09	ng/ul#	74
11) Fluorene	15.44	166	9650	0.11	ng/ul	99
13) Pentachlorophenol	16.78	266	778	0.07	ng/ul	91
14) Phenanthrene	17.26	178	33609	0.25	ng/ul	98
15) Anthracene	17.26	178	36751	0.32	ng/ul	99
17) Fluoranthene	19.19	202	232031	1.54	ng/ul	98
19) Pyrene	19.55	202	239932	1.39	ng/ul	99
20) Benzo(a)anthracene	21.36	228	126541	0.86	ng/ul	93
21) Chrysene	21.36	228	126717	0.77	ng/ul	96
23) Benzo(b)fluoranthene	22.91	252	205113	1.10	ng/ul	94
24) Benzo(k)fluoranthene	22.91	252	205113	1.16	ng/ul#	95
25) Benzo(a)pyrene	23.48	252	123343	0.74	ng/ul	98
26) Indeno(1,2,3-cd)pyrene	25.86	276	75793	0.38	ng/ul#	85
27) Dibenzo(a,h)anthracene	25.87	278	20130	0.13	ng/ul#	7
28) Benzo(g,h,i)perylene	26.57	276	72914	0.42	ng/ul	98

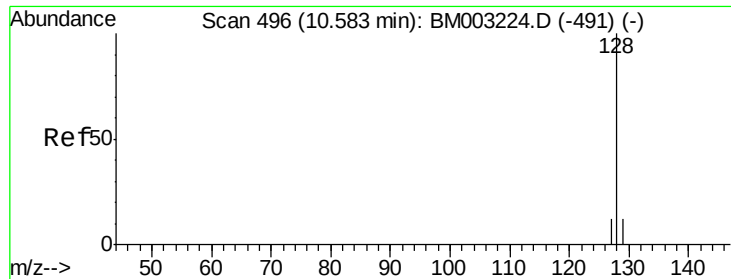
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 21 04:27:23 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





#5

Naphthalene

Concen: 0.18 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. -0.00 min

Lab File: BM003232.D

Acq: 20 Nov 2015 21:44

Instrument :

BNA_M

ClientSampleId :

A4HS2DL

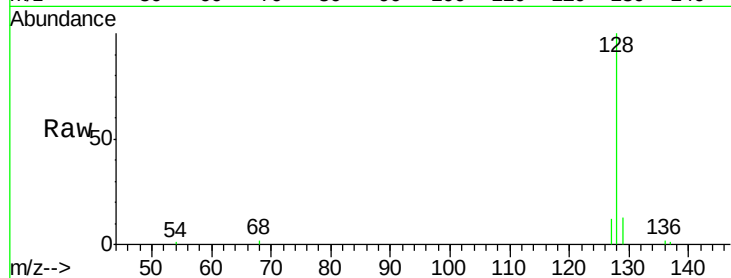
Tgt Ion:128 Resp: 22006

Ion Ratio Lower Upper

128 100

129 12.7 9.0 13.6

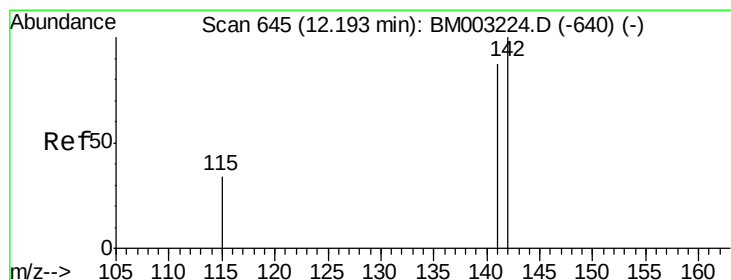
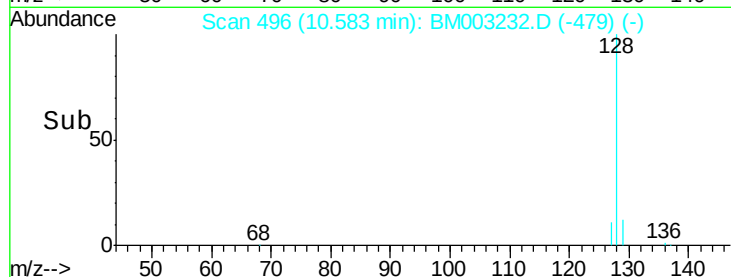
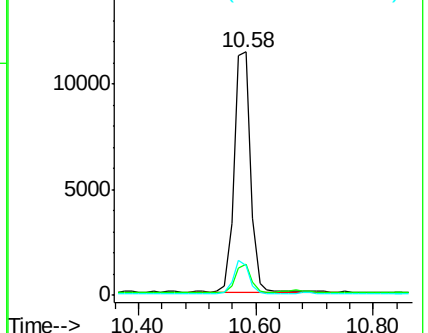
127 12.0 9.6 14.4



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: 0.07 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM003232.D

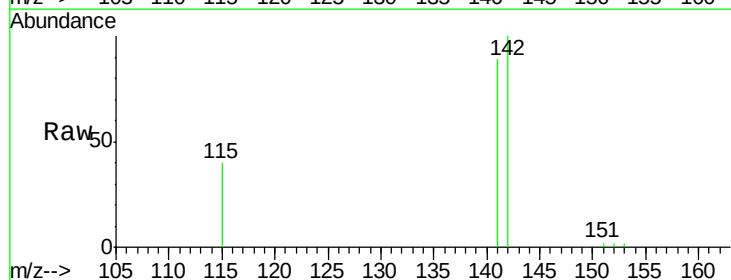
Acq: 20 Nov 2015 21:44

Tgt Ion:142 Resp: 5899

Ion Ratio Lower Upper

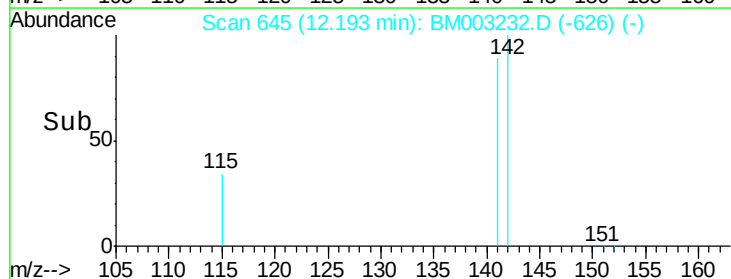
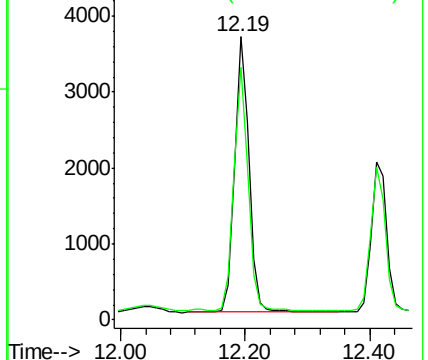
142 100

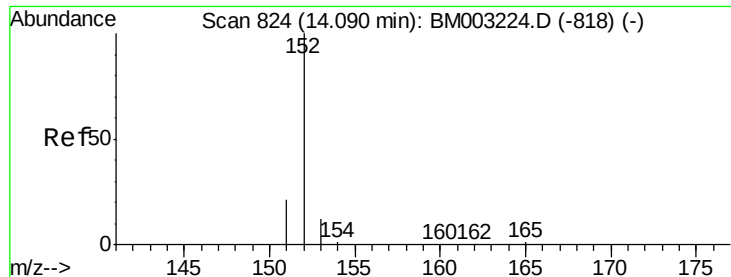
141 87.3 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.07 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM003232.D

Acq: 20 Nov 2015 21:44

Instrument :

BNA_M

ClientSampleId :

A4HS2DL

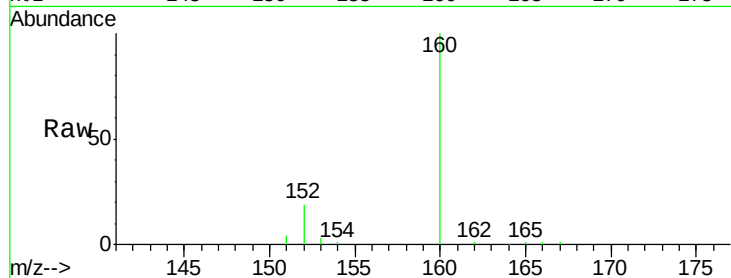
Tgt Ion:152 Resp: 6979

Ion Ratio Lower Upper

152 100

151 23.4 17.6 26.4

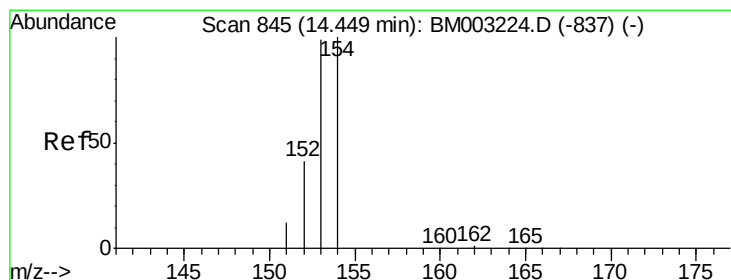
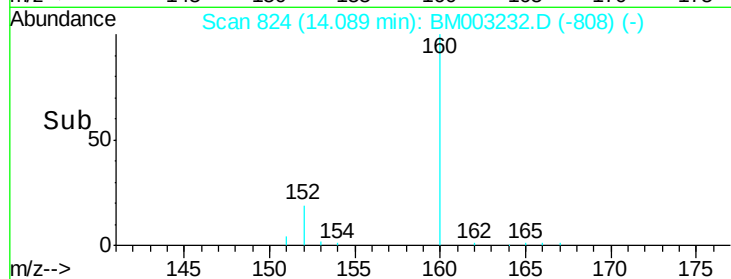
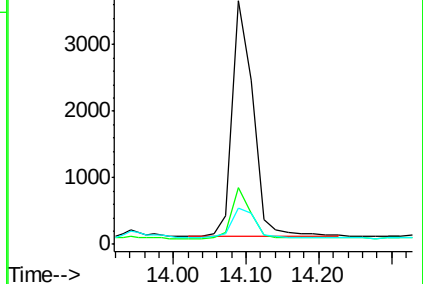
153 14.9 9.7 14.5#



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: 0.09 ng/ul

RT: 14.43 min Scan# 844

Delta R.T. -0.02 min

Lab File: BM003232.D

Acq: 20 Nov 2015 21:44

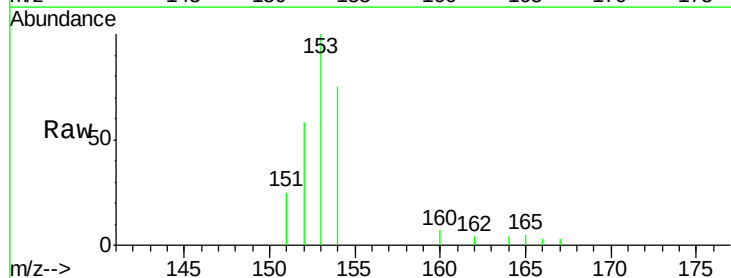
Tgt Ion:153 Resp: 7355

Ion Ratio Lower Upper

153 100

152 58.1 33.9 50.9#

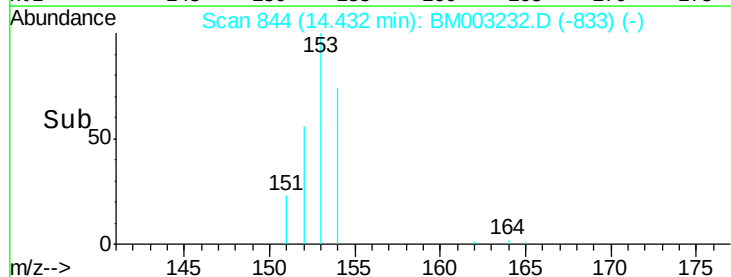
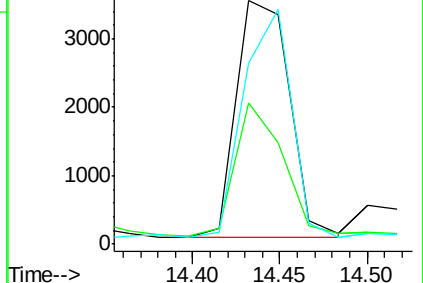
154 74.5 80.6 121.0#

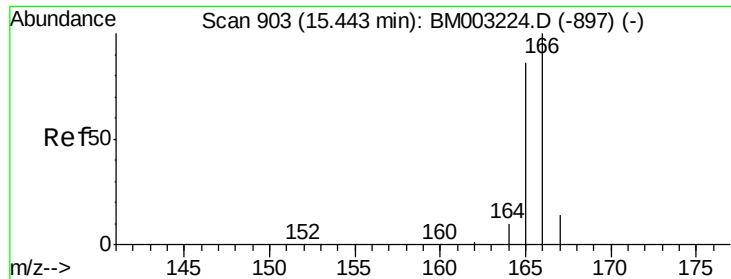


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

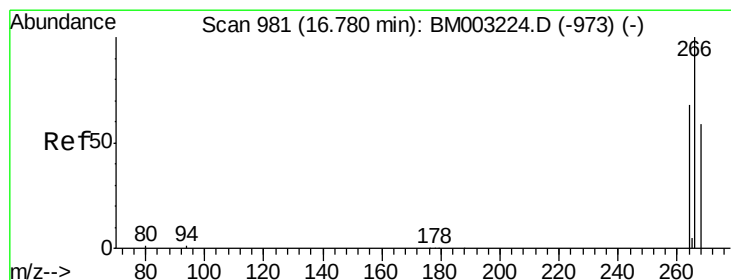
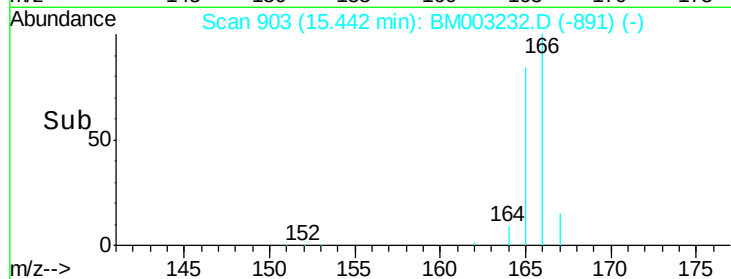
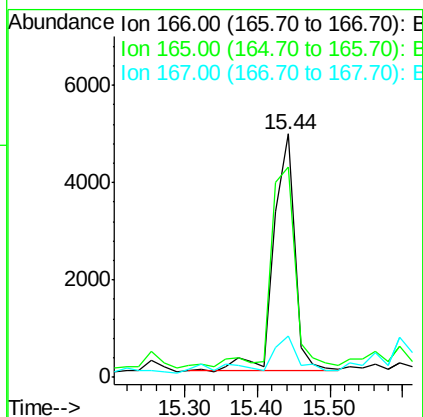
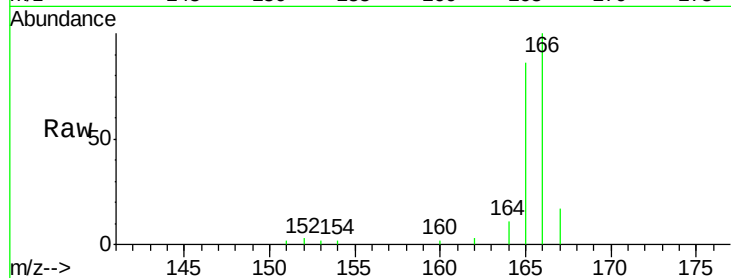




#11
 Fluorene
 Concen: 0.11 ng/ul
 RT: 15.44 min Scan# 903
 Delta R.T. -0.00 min
 Lab File: BM003232.D
 Acq: 20 Nov 2015 21:44

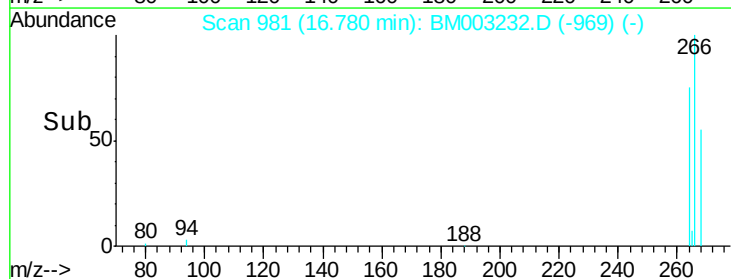
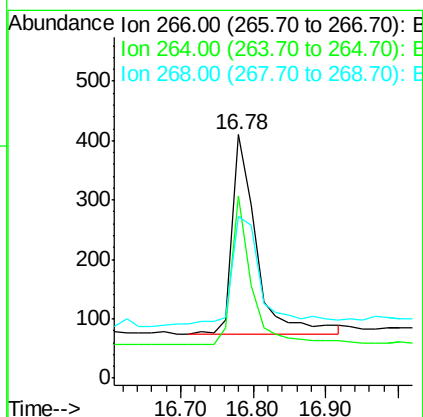
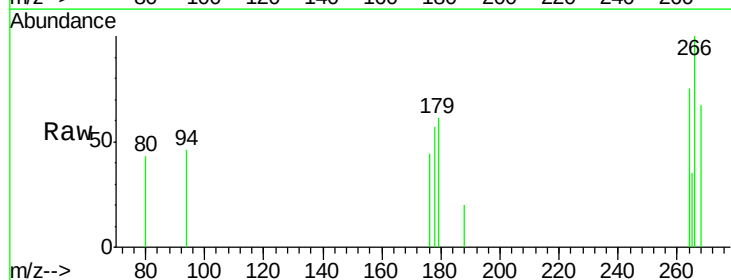
Instrument :
 BNA_M
 ClientSampleId :
 A4HS2DL

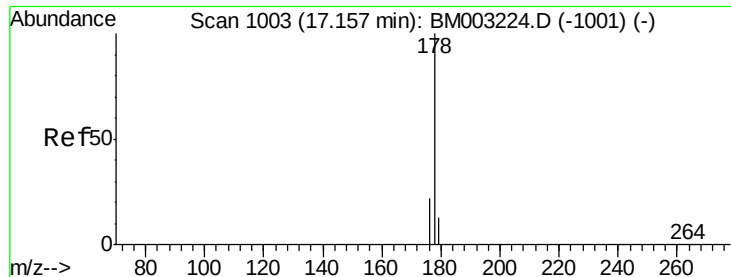
Tgt Ion:166 Resp: 9650
 Ion Ratio Lower Upper
 166 100
 165 86.4 69.6 104.4
 167 17.2 11.9 17.9



#13
 Pentachlorophenol
 Concen: 0.07 ng/ul
 RT: 16.78 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: BM003232.D
 Acq: 20 Nov 2015 21:44

Tgt Ion:266 Resp: 778
 Ion Ratio Lower Upper
 266 100
 264 62.0 51.8 77.8
 268 69.4 46.8 70.2





#14

Phenanthrene

Concen: 0.25 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. 0.10 min

Lab File: BM003232.D

Acq: 20 Nov 2015 21:44

Instrument :

BNA_M

ClientSampleId :

A4HS2DL

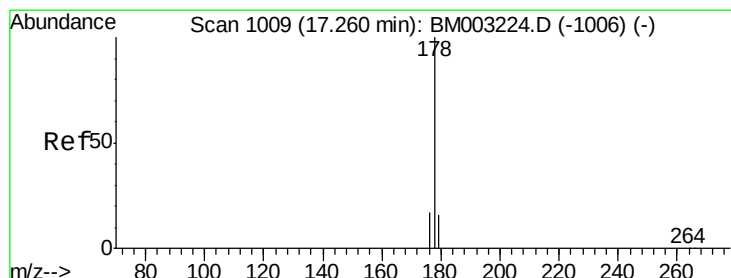
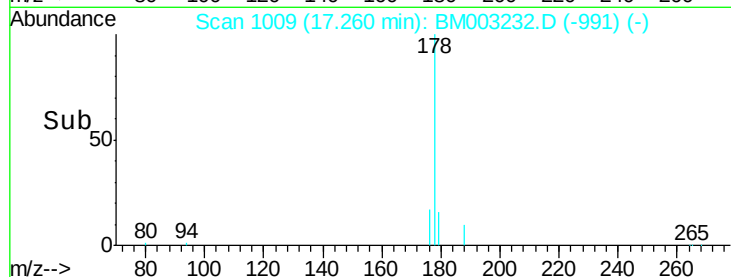
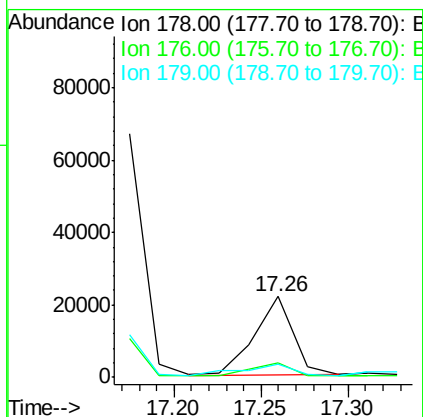
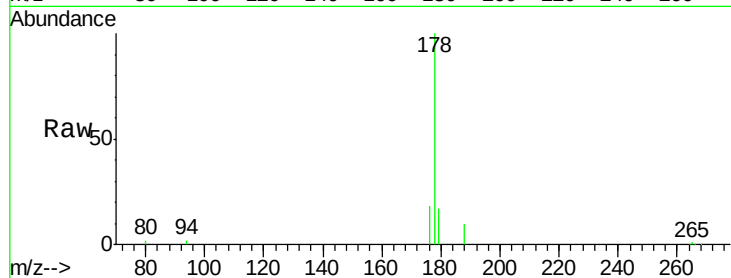
Tgt Ion:178 Resp: 33609

Ion Ratio Lower Upper

178 100

176 17.8 13.0 19.4

179 17.1 14.2 21.2



#15

Anthracene

Concen: 0.32 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BM003232.D

Acq: 20 Nov 2015 21:44

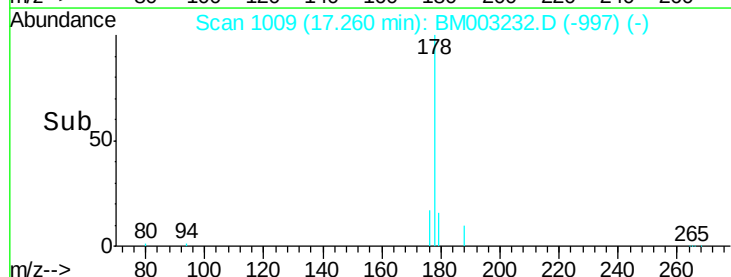
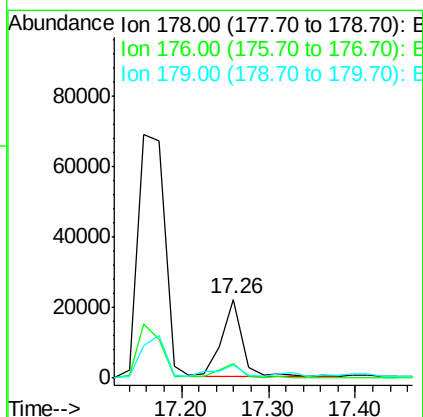
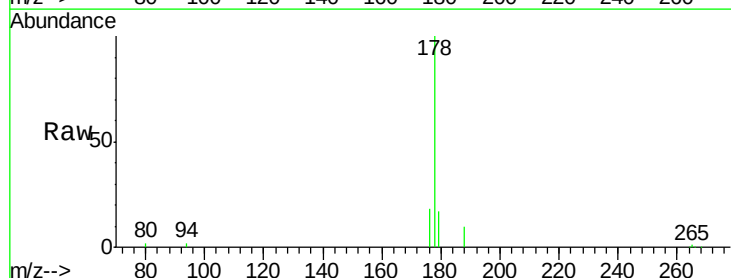
Tgt Ion:178 Resp: 36751

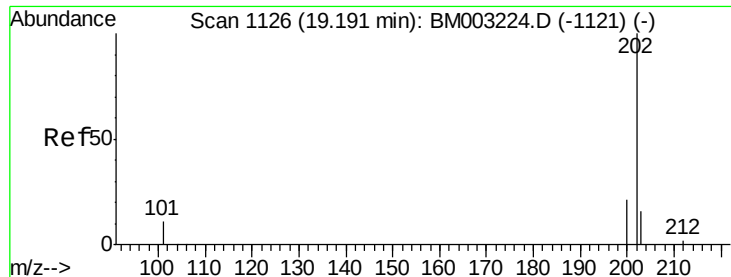
Ion Ratio Lower Upper

178 100

176 17.8 14.0 21.0

179 17.1 12.9 19.3

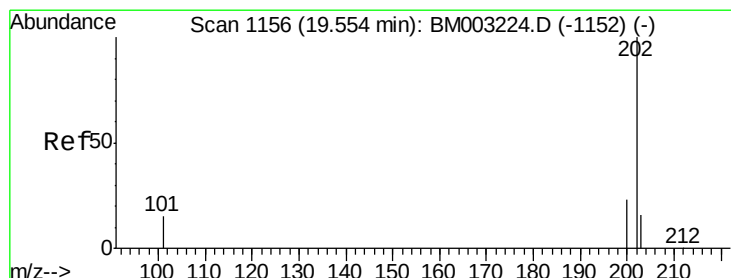
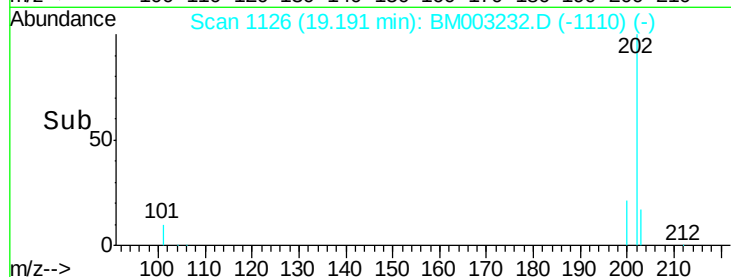
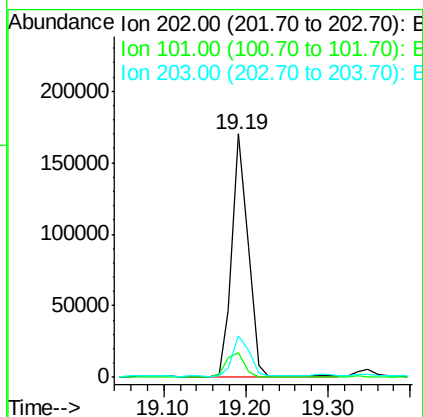
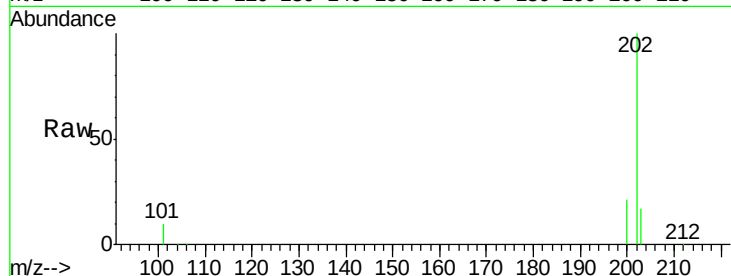




#17
Fluoranthene
Concen: 1.54 ng/ul
RT: 19.19 min Scan# 1126
Delta R.T. -0.00 min
Lab File: BM003232.D
Acq: 20 Nov 2015 21:44

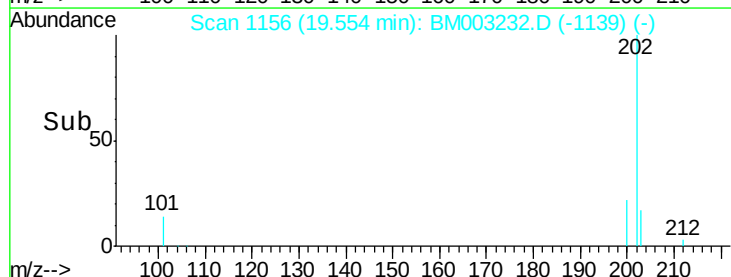
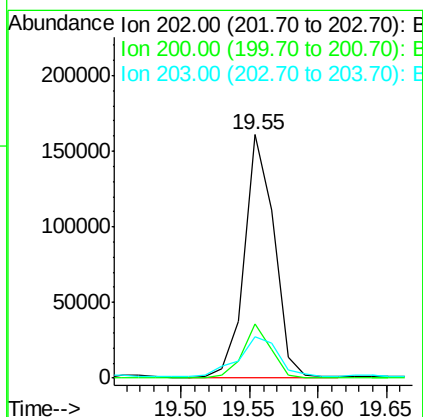
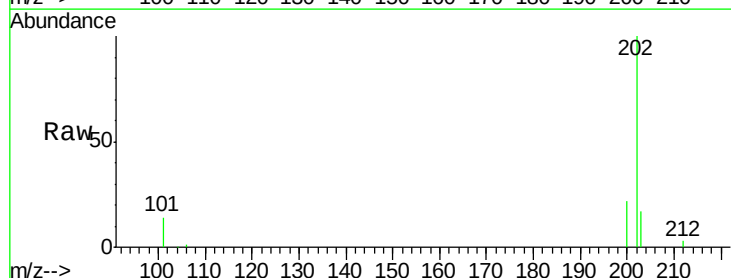
Instrument :
BNA_M
ClientSampleId :
A4HS2DL

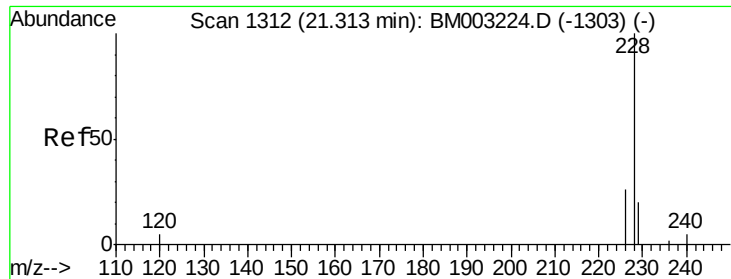
Tgt Ion:202 Resp: 232031
Ion Ratio Lower Upper
202 100
101 10.3 0.0 29.6
203 17.0 0.0 36.3



#19
Pyrene
Concen: 1.39 ng/ul
RT: 19.55 min Scan# 1156
Delta R.T. -0.00 min
Lab File: BM003232.D
Acq: 20 Nov 2015 21:44

Tgt Ion:202 Resp: 239932
Ion Ratio Lower Upper
202 100
200 22.2 17.8 26.8
203 17.1 12.8 19.2





#20

Benzo(a)anthracene

Concen: 0.86 ng/ul

RT: 21.36 min Scan# 1317

Delta R.T. 0.05 min

Lab File: BM003232.D

Acq: 20 Nov 2015 21:44

Instrument :

BNA_M

ClientSampleId :

A4HS2DL

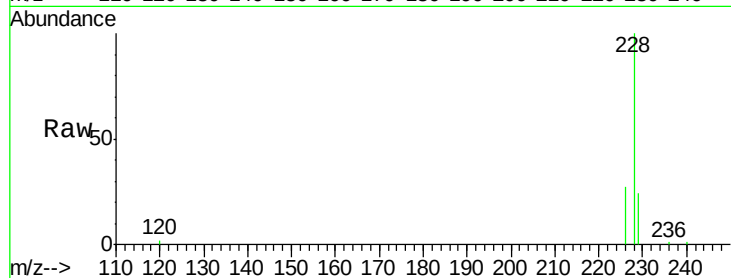
Tgt Ion:228 Resp: 126541

Ion Ratio Lower Upper

228 100

226 27.2 18.8 28.2

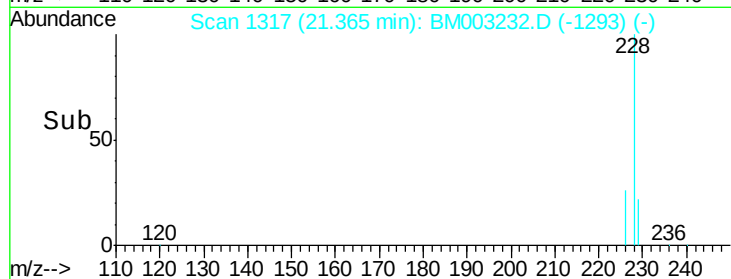
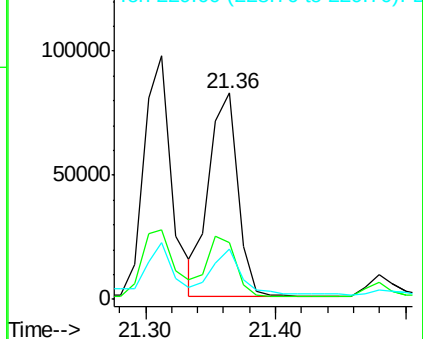
229 24.4 17.1 25.7



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: 0.77 ng/ul

RT: 21.36 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BM003232.D

Acq: 20 Nov 2015 21:44

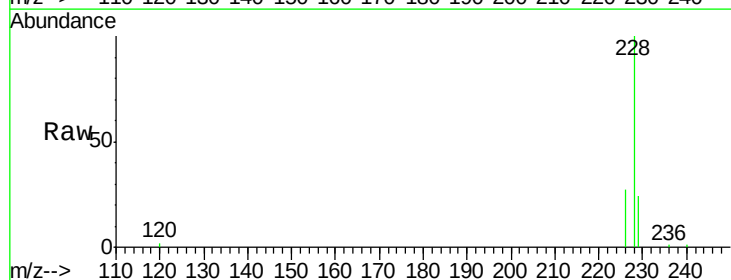
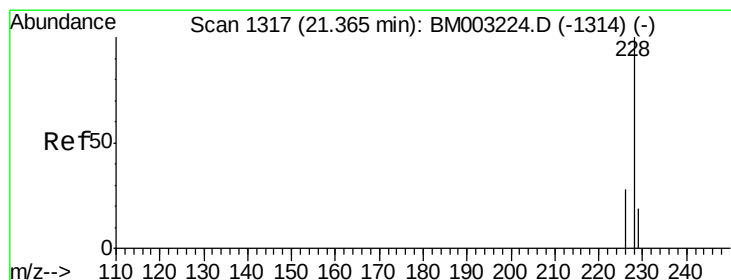
Tgt Ion:228 Resp: 126717

Ion Ratio Lower Upper

228 100

226 27.2 21.2 31.8

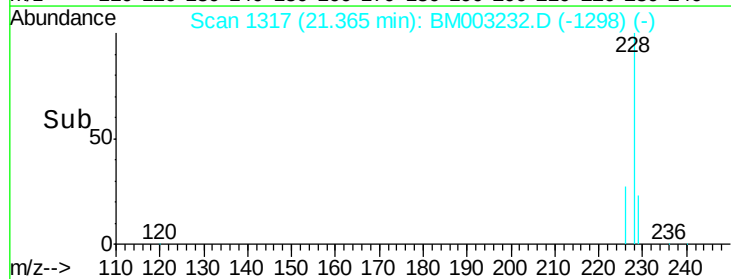
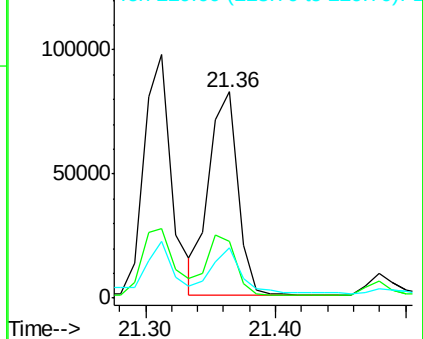
229 24.4 17.0 25.6

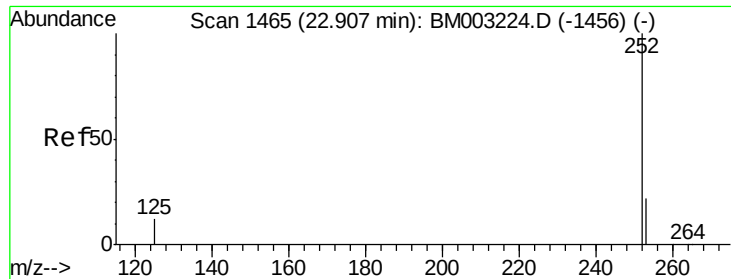


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 1.10 ng/ul

RT: 22.91 min Scan# 1465

Delta R.T. -0.00 min

Lab File: BM003232.D

Acq: 20 Nov 2015 21:44

Instrument :

BNA_M

ClientSampleId :

A4HS2DL

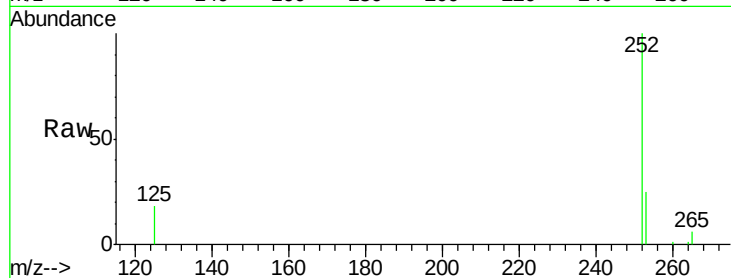
Tgt Ion:252 Resp: 205113

Ion Ratio Lower Upper

252 100

253 25.1 0.0 45.4

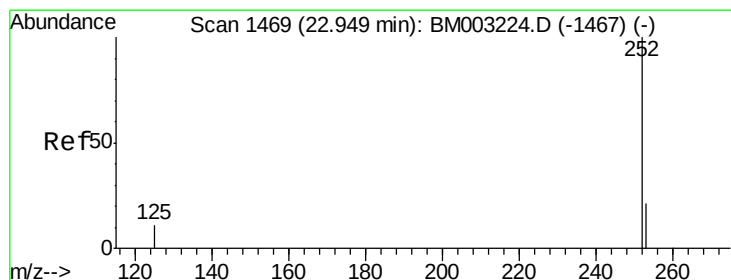
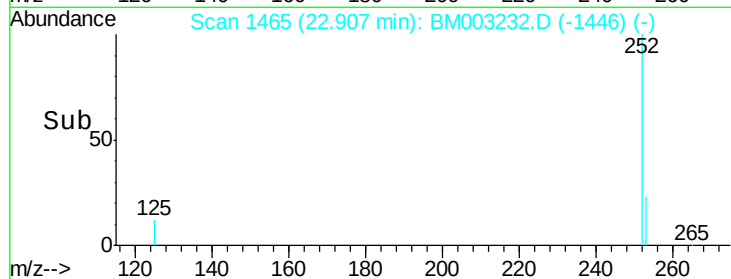
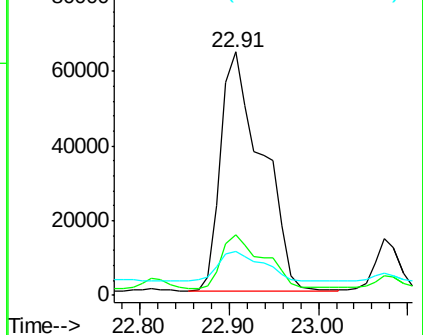
125 17.8 0.0 28.8



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: 1.16 ng/ul

RT: 22.91 min Scan# 1465

Delta R.T. -0.04 min

Lab File: BM003232.D

Acq: 20 Nov 2015 21:44

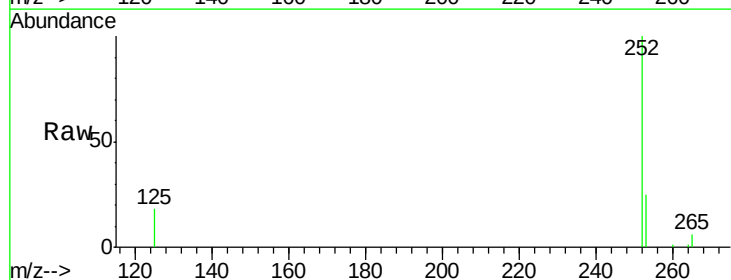
Tgt Ion:252 Resp: 205113

Ion Ratio Lower Upper

252 100

253 25.1 19.8 29.8

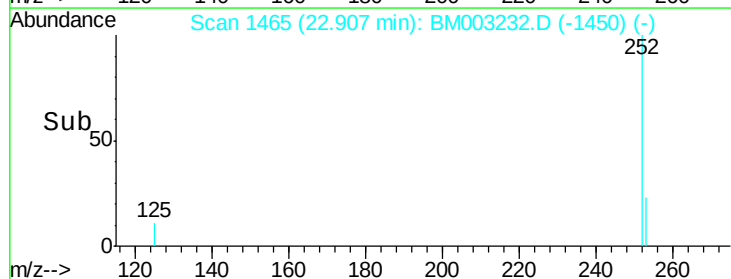
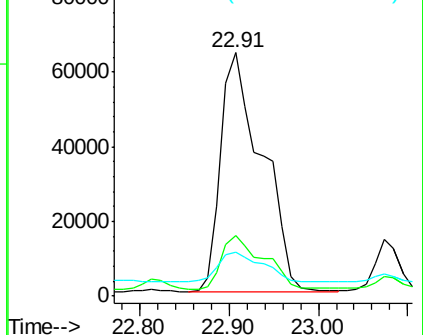
125 17.8 10.4 15.6#

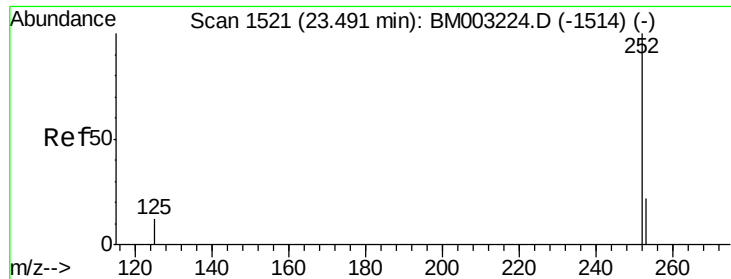


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.74 ng/ul

RT: 23.48 min Scan# 1520

Delta R.T. -0.01 min

Lab File: BM003232.D

Acq: 20 Nov 2015 21:44

Instrument :

BNA_M

ClientSampleId :

A4HS2DL

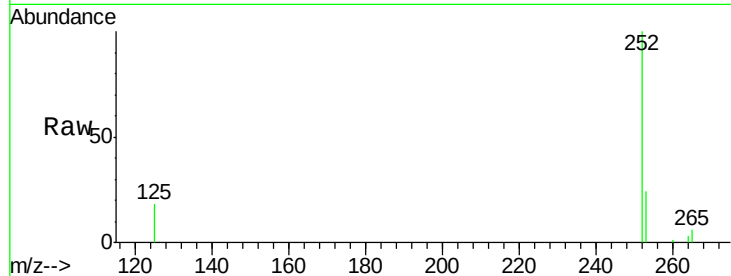
Tgt Ion:252 Resp: 123343

Ion Ratio Lower Upper

252 100

253 23.8 19.4 29.2

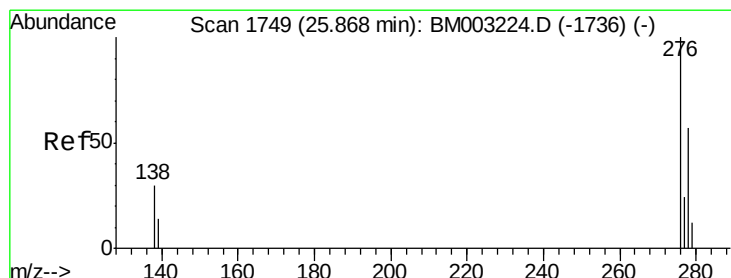
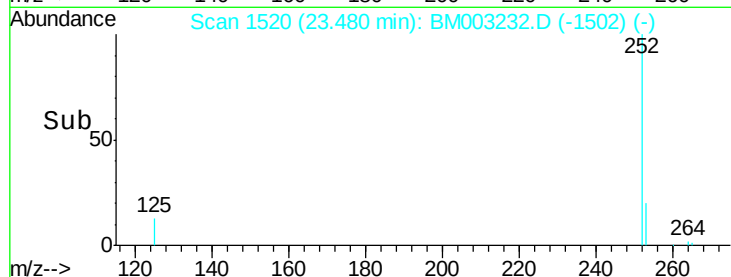
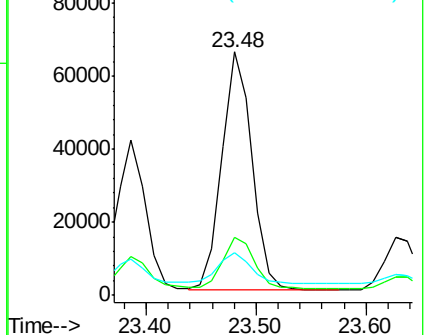
125 17.7 12.7 19.1



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: 0.38 ng/ul

RT: 25.86 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BM003232.D

Acq: 20 Nov 2015 21:44

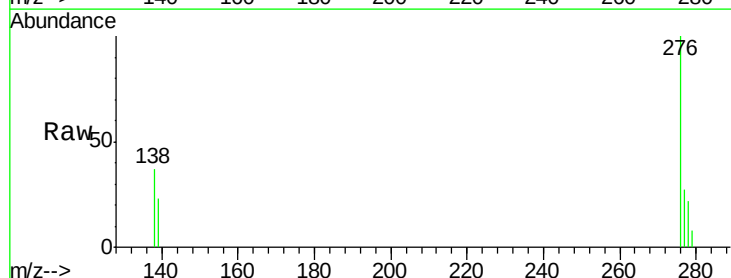
Tgt Ion:276 Resp: 75793

Ion Ratio Lower Upper

276 100

138 34.4 16.3 24.5#

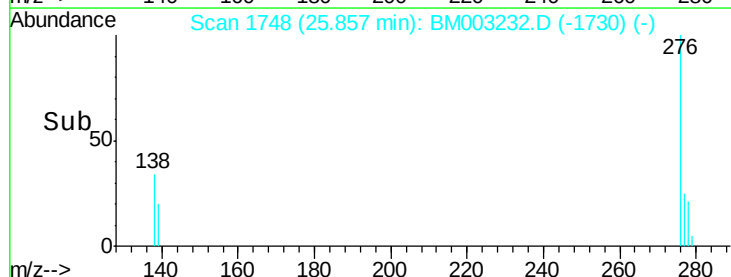
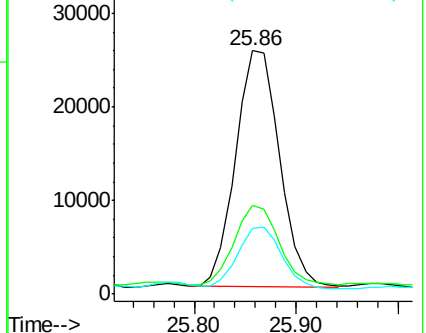
277 26.1 19.8 29.8

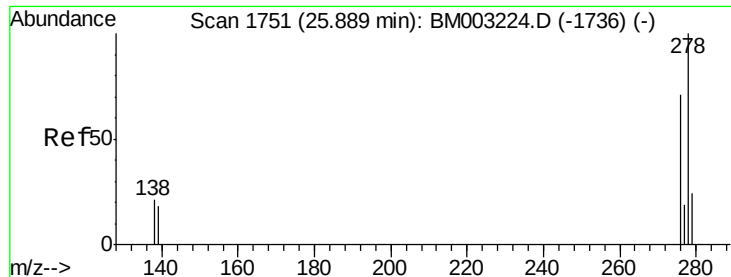


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

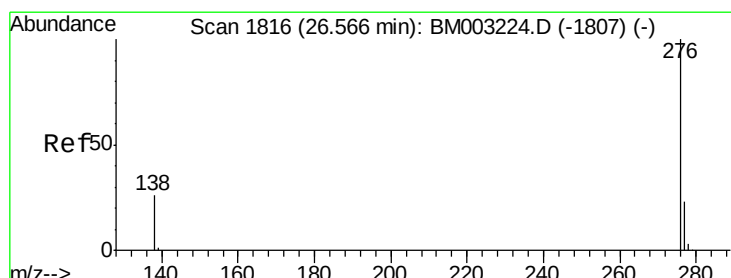
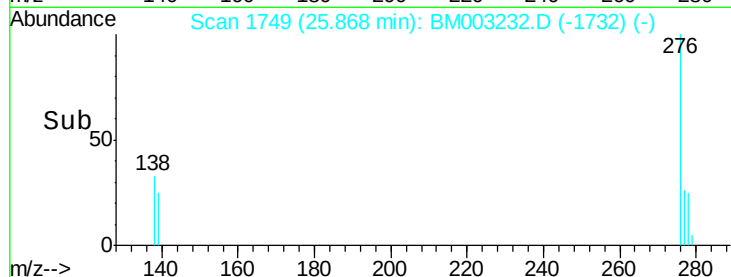
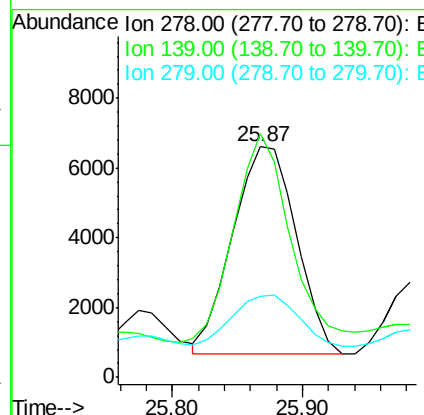
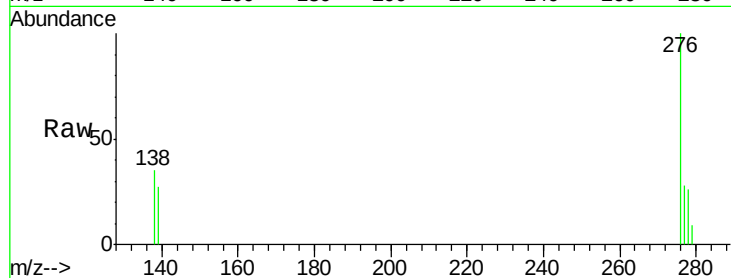




#27
Dibenzo(a,h)anthracene
Concen: 0.13 ng/ul
RT: 25.87 min Scan# 1749
Delta R.T. -0.02 min
Lab File: BM003232.D
Acq: 20 Nov 2015 21:44

Instrument :
BNA_M
ClientSampleId :
A4HS2DL

Tgt Ion: 278 Resp: 20130
Ion Ratio Lower Upper
278 100
139 105.7 16.4 24.6#
279 35.1 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.42 ng/ul
RT: 26.57 min Scan# 1816
Delta R.T. -0.00 min
Lab File: BM003232.D
Acq: 20 Nov 2015 21:44

Tgt Ion: 276 Resp: 72914
Ion Ratio Lower Upper
276 100
277 25.0 18.9 28.3
138 27.6 22.5 33.7

