

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112015\
 Data File : BM003233.D
 Acq On : 20 Nov 2015 22:20
 Operator : UM/IZ
 Sample : G4322-04RX
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HR5

Quant Time: Nov 21 04:27:41 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	12743	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	48989	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	26539	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	2132497	0.40	ng/ul	0.10
18) Chrysene-d12	21.32	240	52449	0.40	ng/ul	-0.01
22) Perylene-d12	23.58	264	53950	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	57018	4.19	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	13449	0.20	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	21565	0.00	ng/ul	0.00

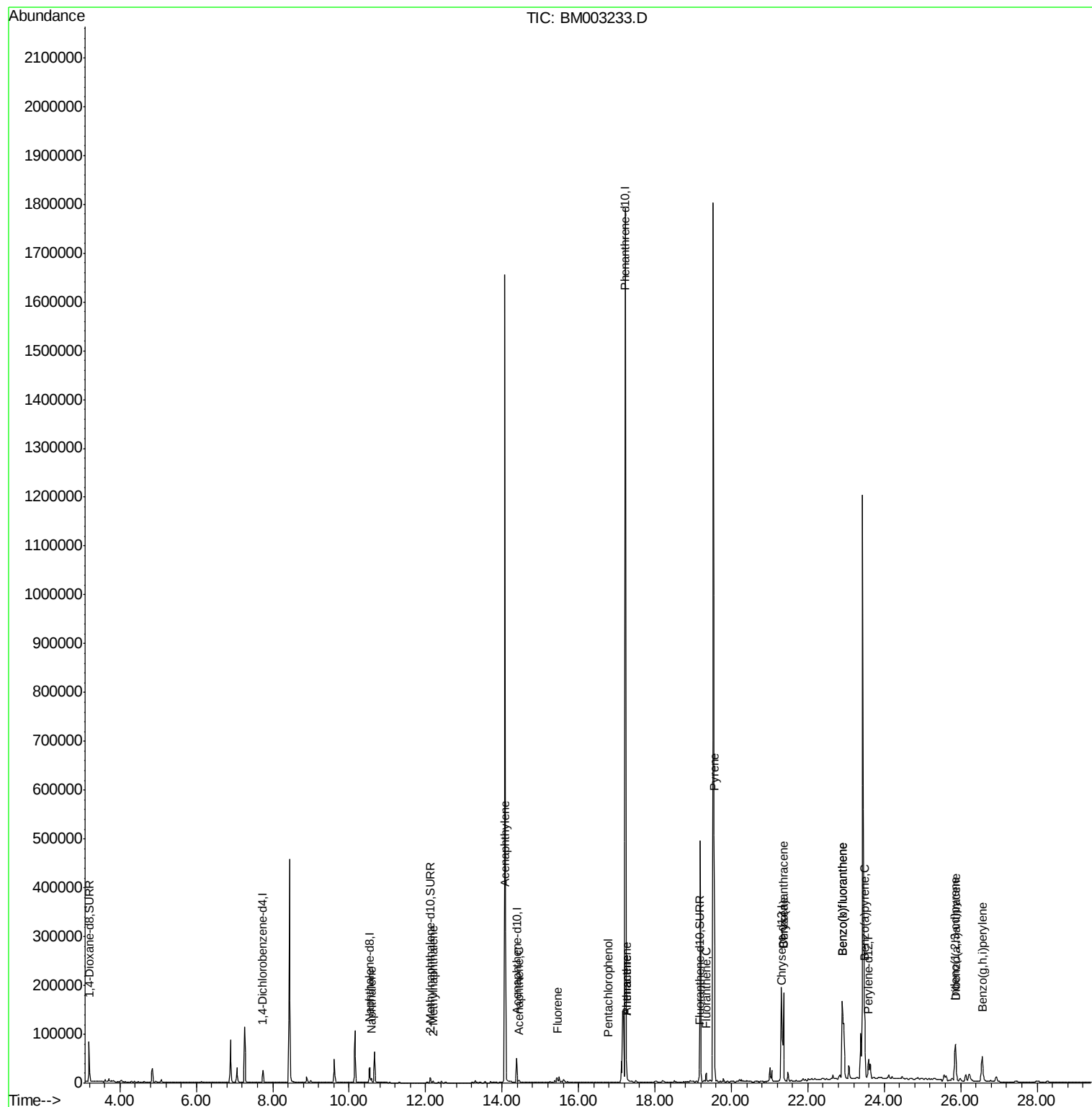
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.57	128	14175	0.11	ng/ul#	96
7) 2-Methylnaphthalene	12.19	142	2834	0.03	ng/ul#	100
9) Acenaphthylene	14.09	152	19255	0.17	ng/ul	98
10) Acenaphthene	14.43	153	4174	0.04	ng/ul#	75
11) Fluorene	15.44	166	8179	0.08	ng/ul#	97
13) Pentachlorophenol	16.78	266	1106	0.00	ng/ul	95
14) Phenanthrene	17.26	178	43751	0.01	ng/ul	98
15) Anthracene	17.26	178	43955	0.01	ng/ul	99
17) Fluoranthene	19.35	202	18404	0.00	ng/ul	88
19) Pyrene	19.55	202	407919	2.27	ng/ul	100
20) Benzo(a)anthracene	21.36	228	192426	1.27	ng/ul	94
21) Chrysene	21.36	228	191889	1.12	ng/ul	98
23) Benzo(b)fluoranthene	22.91	252	365417	1.78	ng/ul	98
24) Benzo(k)fluoranthene	22.91	252	365417	1.88	ng/ul	96
25) Benzo(a)pyrene	23.48	252	183302	1.00	ng/ul	97
26) Indeno(1,2,3-cd)pyrene	25.86	276	126167	0.58	ng/ul#	94
27) Dibenzo(a,h)anthracene	25.87	278	29336	0.17	ng/ul#	86
28) Benzo(g,h,i)perylene	26.57	276	110034	0.58	ng/ul	97

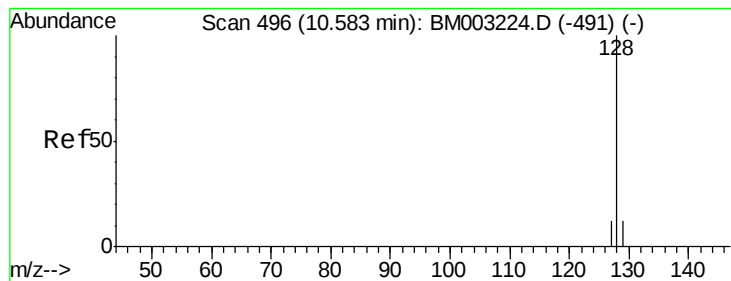
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.11 ng/ul

RT: 10.57 min Scan# 495

Delta R.T. -0.01 min

Lab File: BM003233.D

Acq: 20 Nov 2015 22:20

Instrument :

BNA_M

ClientSampleId :

A4HR5

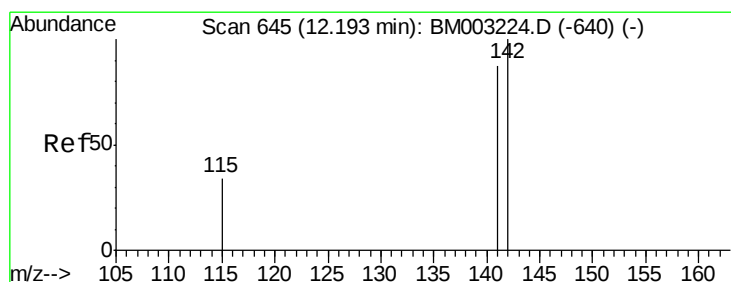
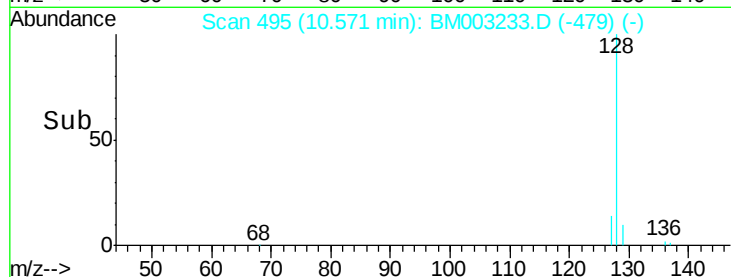
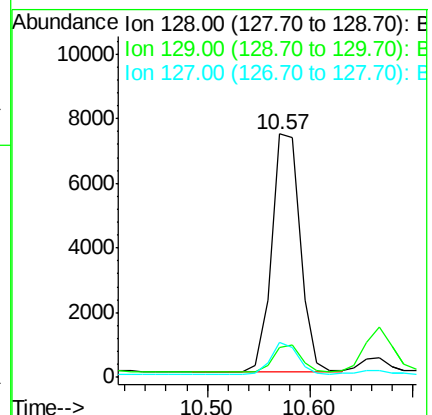
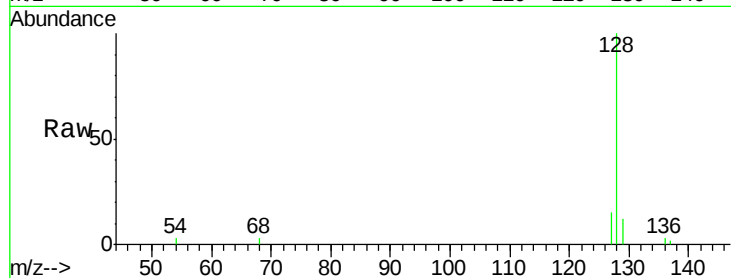
Tgt Ion:128 Resp: 14175

Ion Ratio Lower Upper

128 100

129 12.2 9.0 13.6

127 14.5 9.6 14.4#



#7

2-Methylnaphthalene

Concen: 0.03 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM003233.D

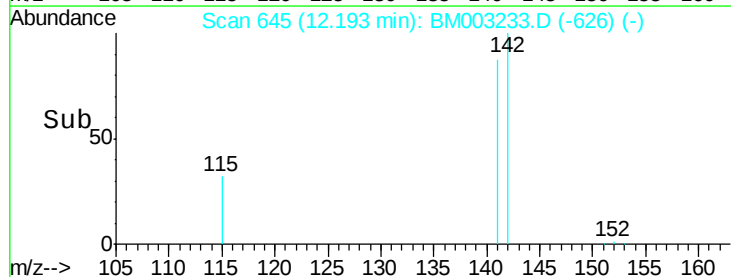
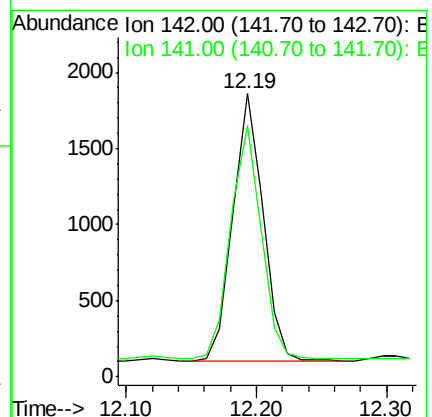
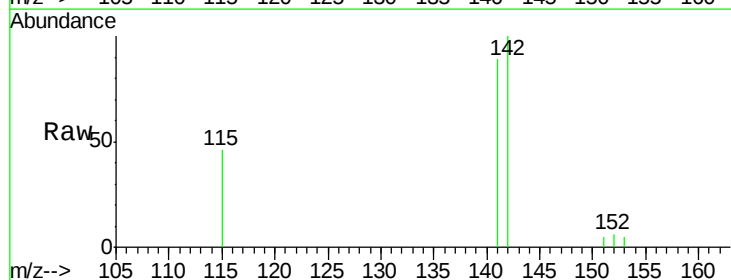
Acq: 20 Nov 2015 22:20

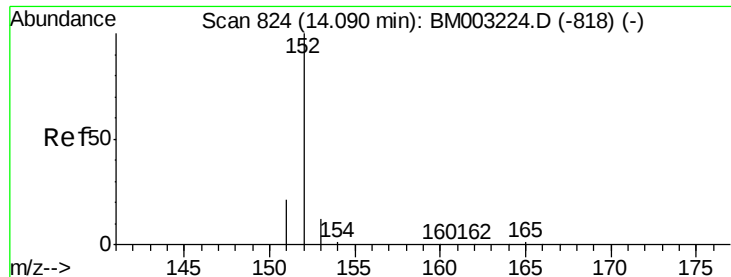
Tgt Ion:142 Resp: 2834

Ion Ratio Lower Upper

142 100

141 88.4 0.0 0.0#





#9

Acenaphthylene

Concen: 0.17 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM003233.D

Acq: 20 Nov 2015 22:20

Instrument :

BNA_M

ClientSampleId :

A4HR5

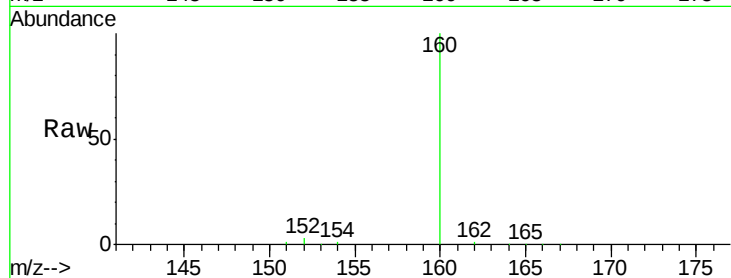
Tgt Ion:152 Resp: 19255

Ion Ratio Lower Upper

152 100

151 21.8 17.6 26.4

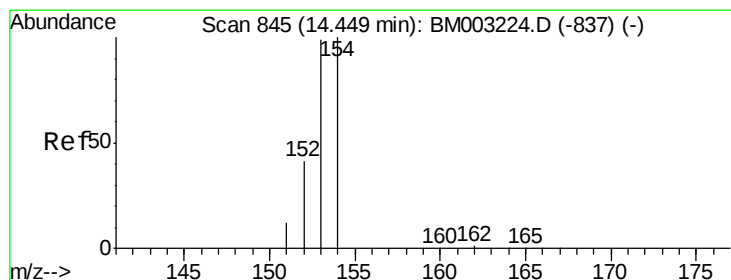
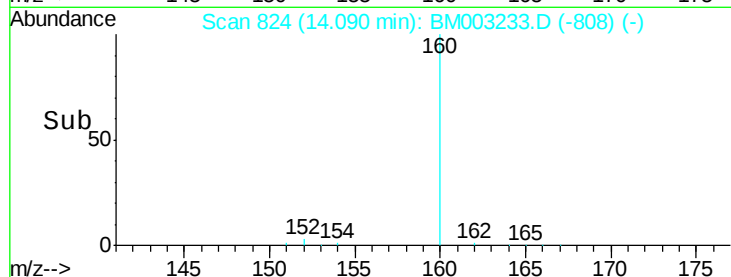
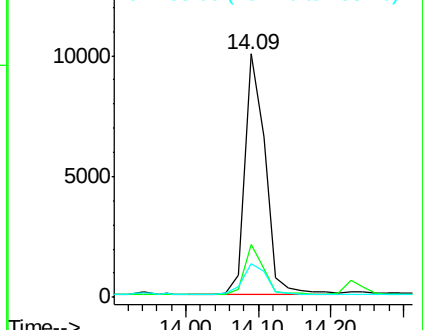
153 13.7 9.7 14.5



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: 0.04 ng/ul

RT: 14.43 min Scan# 844

Delta R.T. -0.02 min

Lab File: BM003233.D

Acq: 20 Nov 2015 22:20

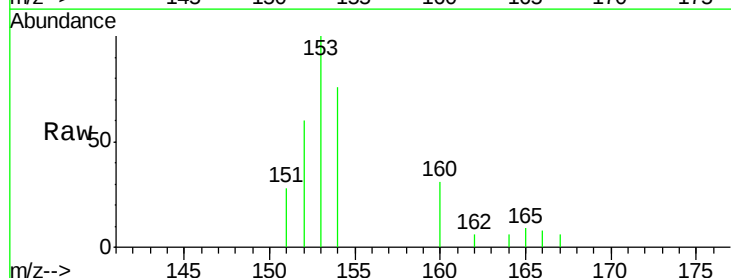
Tgt Ion:153 Resp: 4174

Ion Ratio Lower Upper

153 100

152 59.6 33.9 50.9#

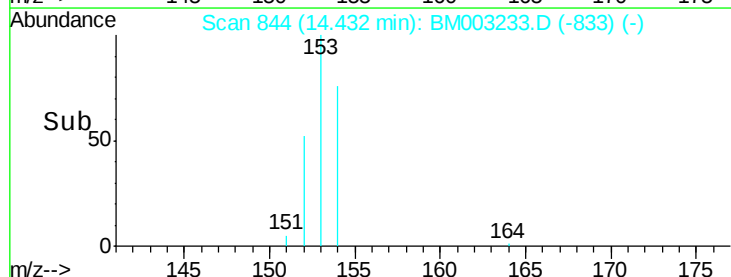
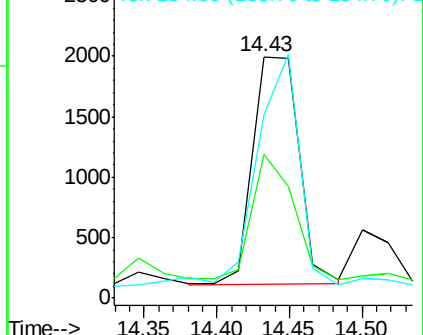
154 76.1 80.6 121.0#

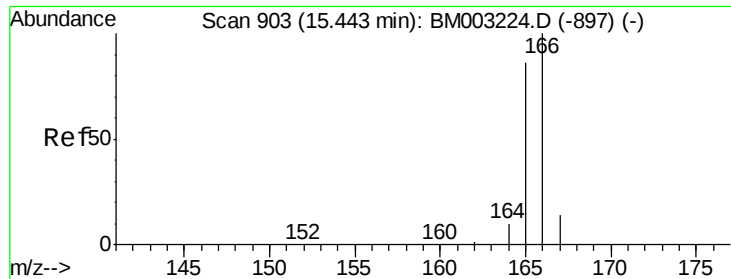


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

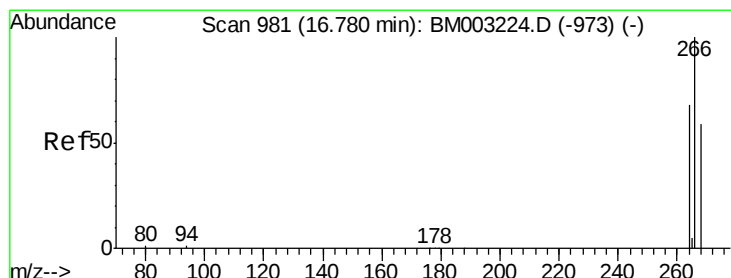
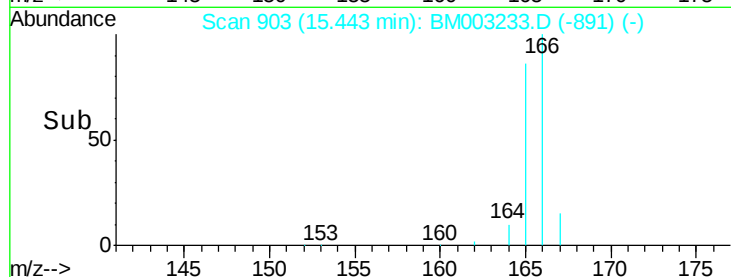
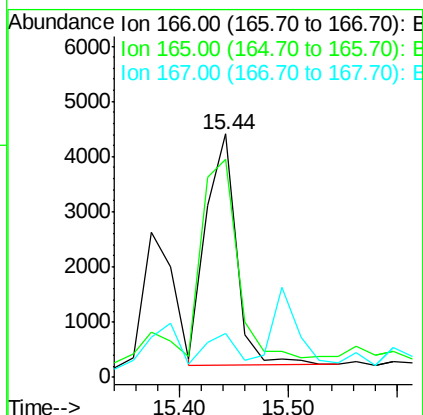
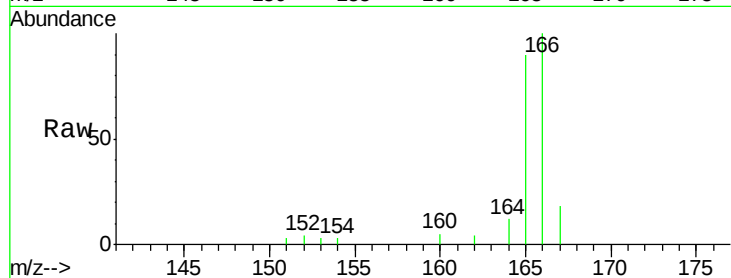




#11
Fluorene
 Concen: 0.08 ng/ul
 RT: 15.44 min Scan# 903
 Delta R.T. -0.00 min
 Lab File: BM003233.D
 Acq: 20 Nov 2015 22:20

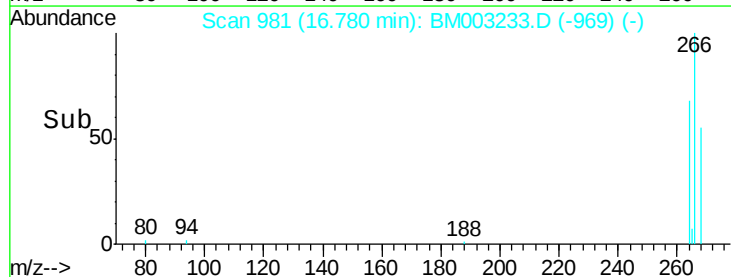
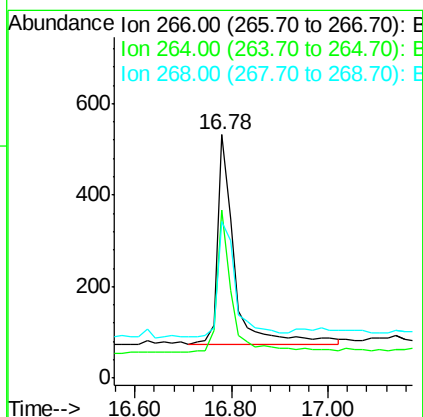
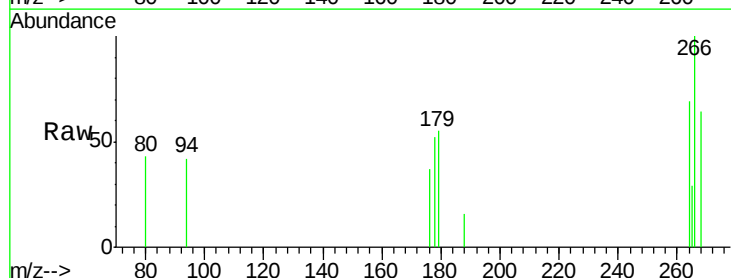
Instrument :
 BNA_M
 ClientSampleId :
 A4HR5

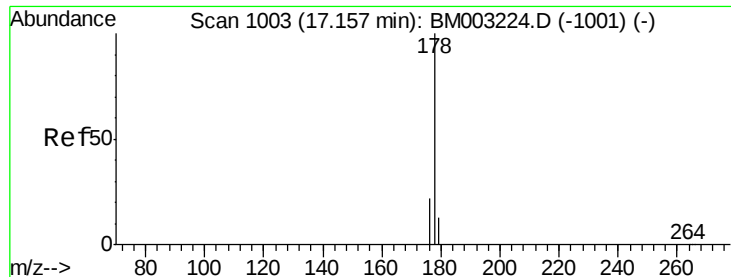
Tgt Ion:166 Resp: 8179
 Ion Ratio Lower Upper
 166 100
 165 89.5 69.6 104.4
 167 18.1 11.9 17.9#



#13
Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.78 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: BM003233.D
 Acq: 20 Nov 2015 22:20

Tgt Ion:266 Resp: 1106
 Ion Ratio Lower Upper
 266 100
 264 57.9 51.8 77.8
 268 57.7 46.8 70.2





#14

Phenanthrene

Concen: 0.01 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. 0.10 min

Lab File: BM003233.D

Acq: 20 Nov 2015 22:20

Instrument :

BNA_M

ClientSampleId :

A4HR5

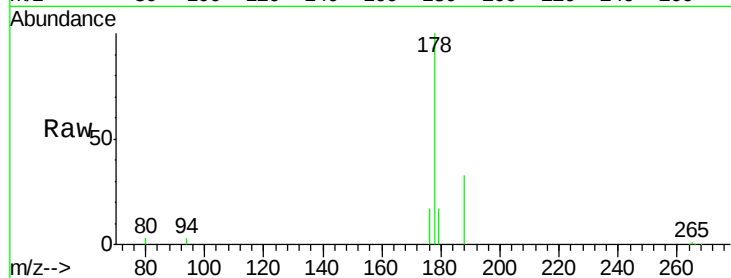
Tgt Ion:178 Resp: 43751

Ion Ratio Lower Upper

178 100

176 17.4 13.0 19.4

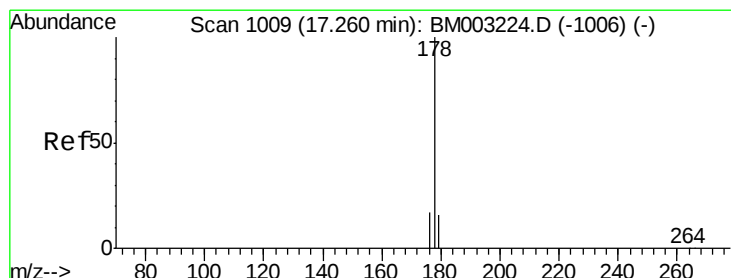
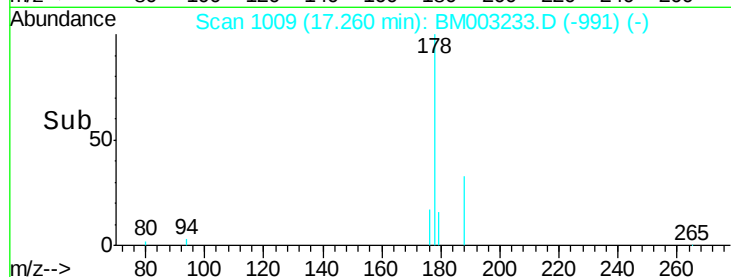
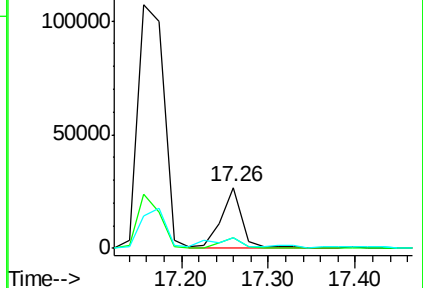
179 17.2 14.2 21.2



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: 0.01 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BM003233.D

Acq: 20 Nov 2015 22:20

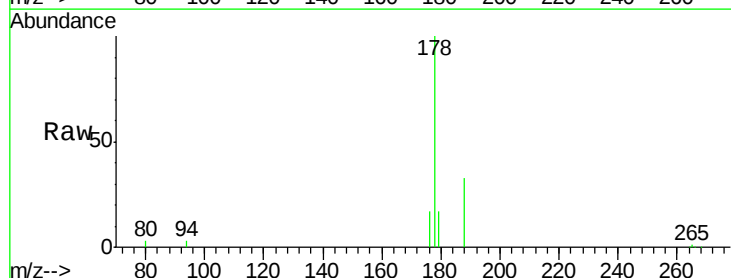
Tgt Ion:178 Resp: 43955

Ion Ratio Lower Upper

178 100

176 17.4 14.0 21.0

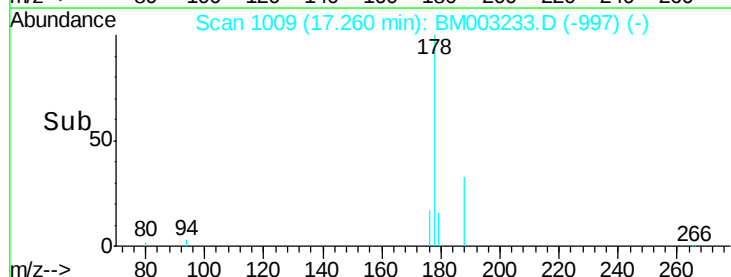
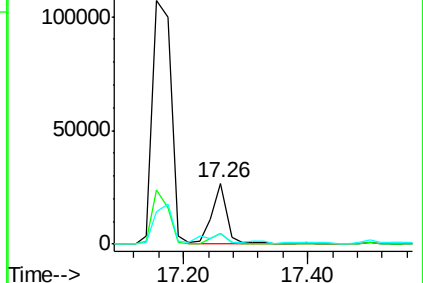
179 17.2 12.9 19.3

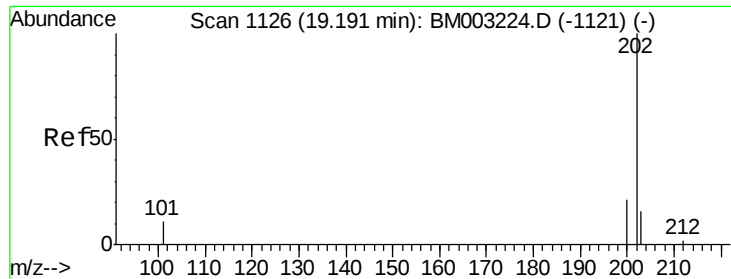


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

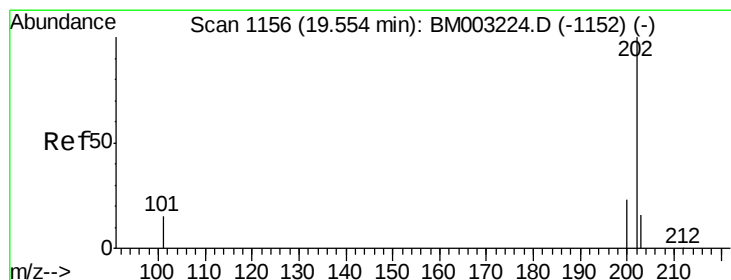
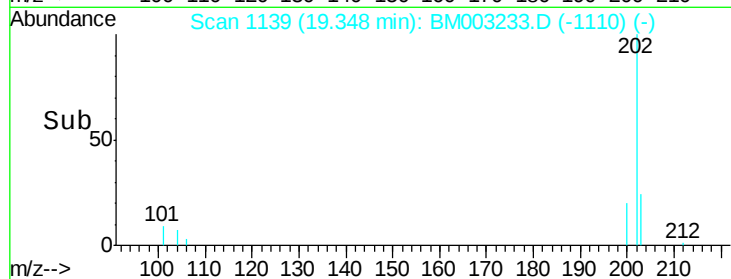
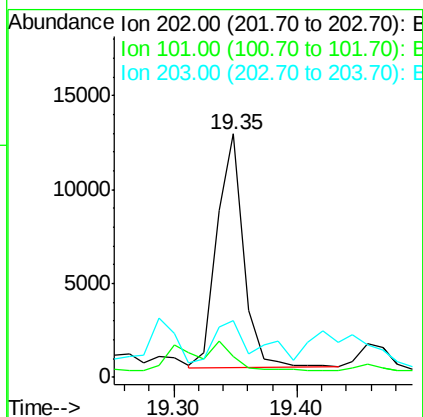
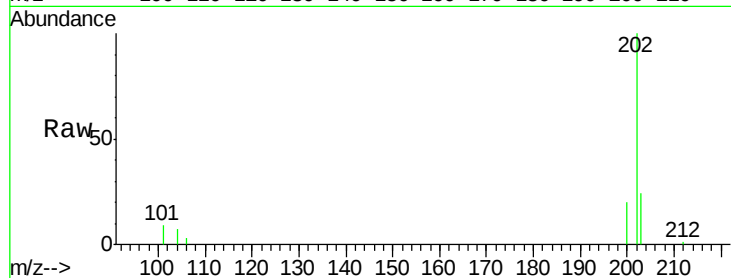




#17
Fluoranthene
 Concen: 0.00 ng/ul
 RT: 19.35 min Scan# 1139
 Delta R.T. 0.16 min
 Lab File: BM003233.D
 Acq: 20 Nov 2015 22:20

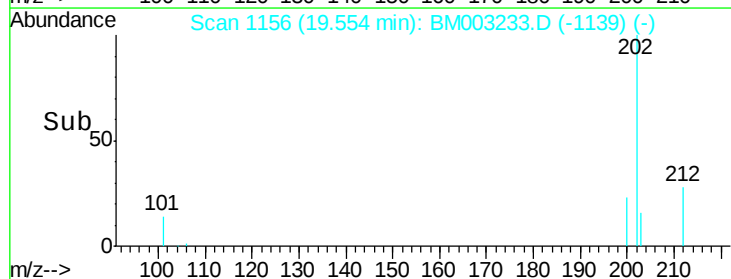
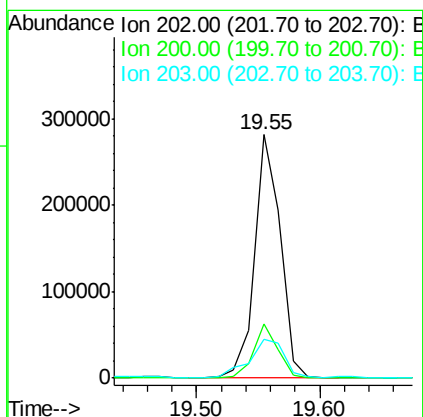
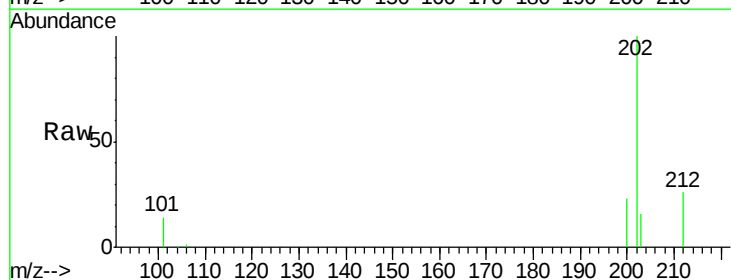
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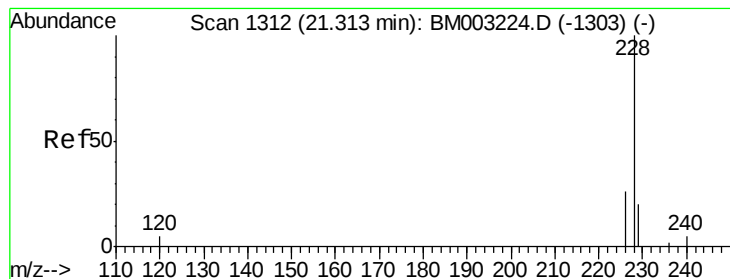
Tgt Ion:202 Resp: 18404
 Ion Ratio Lower Upper
 202 100
 101 8.7 0.0 29.6
 203 23.6 0.0 36.3



#19
Pyrene
 Concen: 2.27 ng/ul
 RT: 19.55 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: BM003233.D
 Acq: 20 Nov 2015 22:20

Tgt Ion:202 Resp: 407919
 Ion Ratio Lower Upper
 202 100
 200 22.5 17.8 26.8
 203 16.1 12.8 19.2





#20

Benzo(a)anthracene

Concen: 1.27 ng/ul

RT: 21.36 min Scan# 1317

Delta R.T. 0.05 min

Lab File: BM003233.D

Acq: 20 Nov 2015 22:20

Instrument :

BNA_M

ClientSampleId :

A4HR5

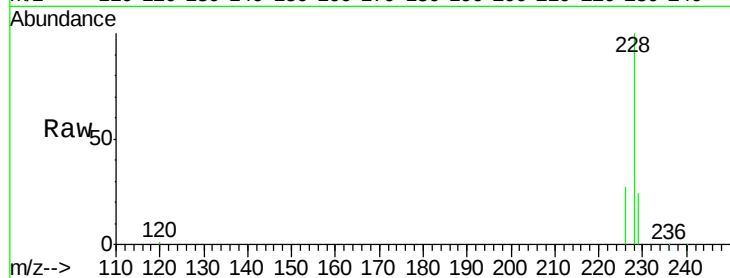
Tgt Ion:228 Resp: 192426

Ion Ratio Lower Upper

228 100

226 26.7 18.8 28.2

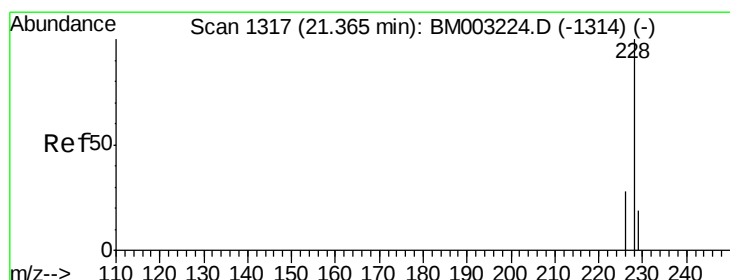
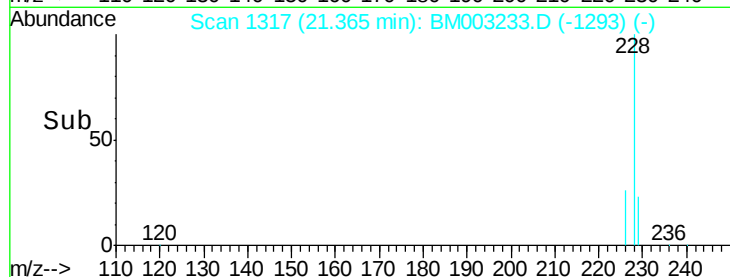
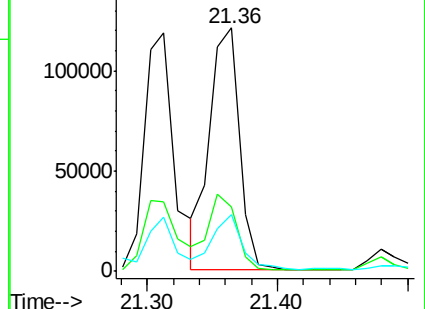
229 23.5 17.1 25.7



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: 1.12 ng/ul

RT: 21.36 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BM003233.D

Acq: 20 Nov 2015 22:20

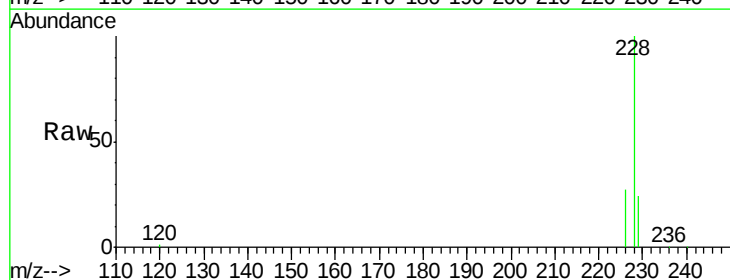
Tgt Ion:228 Resp: 191889

Ion Ratio Lower Upper

228 100

226 26.7 21.2 31.8

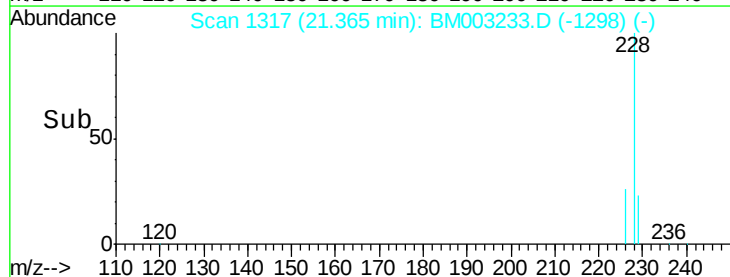
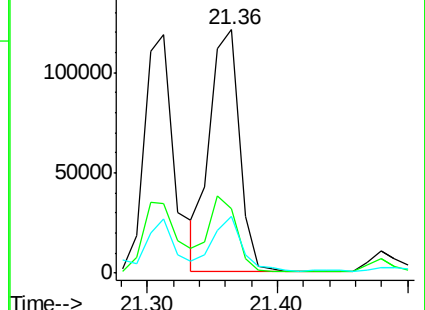
229 23.5 17.0 25.6

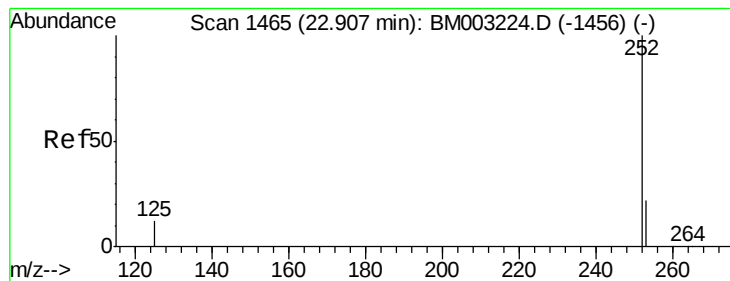


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 1.78 ng/u1

RT: 22.91 min Scan# 1465

Delta R.T. -0.00 min

Lab File: BM003233.D

Acq: 20 Nov 2015 22:20

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ClientSampleId :

A4HR5

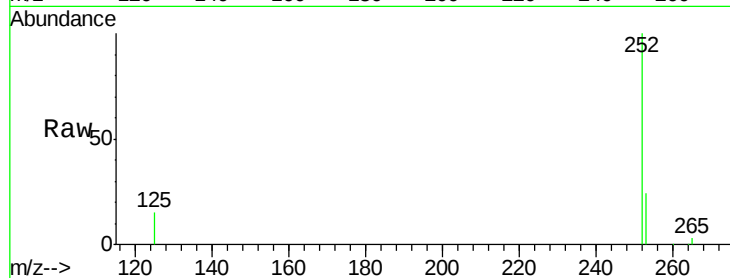
Tgt Ion:252 Resp: 365417

Ion Ratio Lower Upper

252 100

253 23.6 0.0 45.4

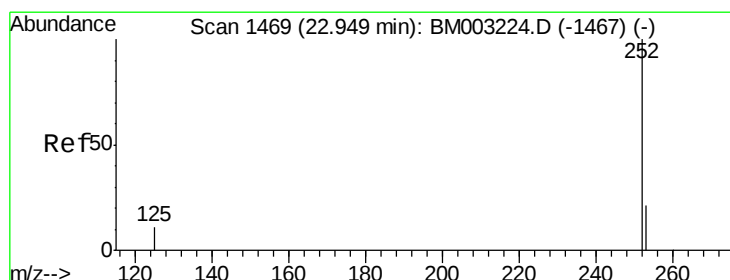
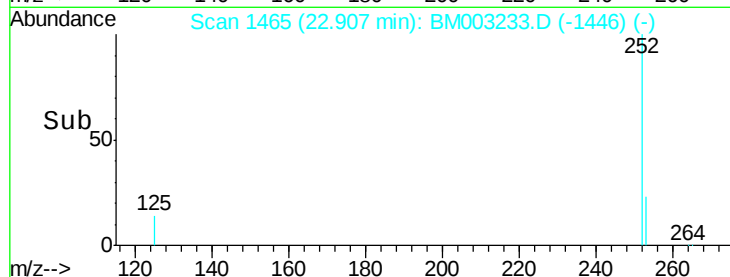
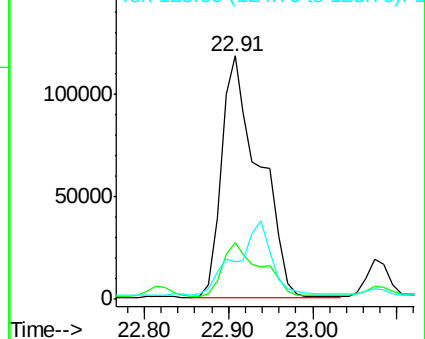
125 15.2 0.0 28.8



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: 1.88 ng/u1

RT: 22.91 min Scan# 1465

Delta R.T. -0.04 min

Lab File: BM003233.D

Acq: 20 Nov 2015 22:20

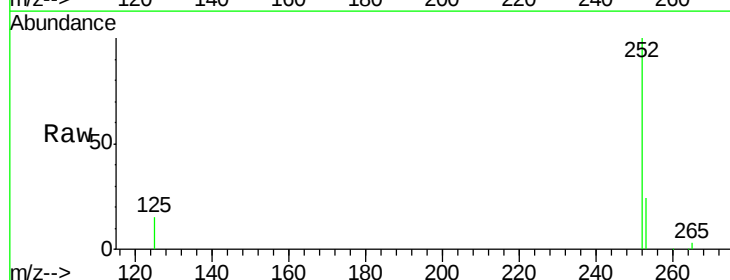
Tgt Ion:252 Resp: 365417

Ion Ratio Lower Upper

252 100

253 23.6 19.8 29.8

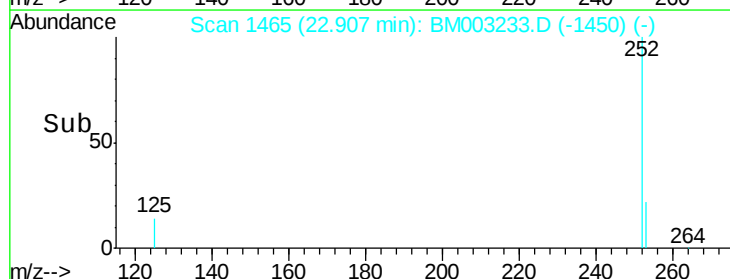
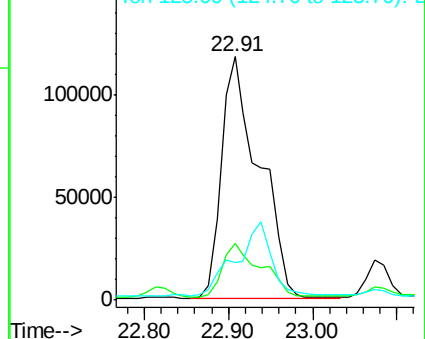
125 15.2 10.4 15.6

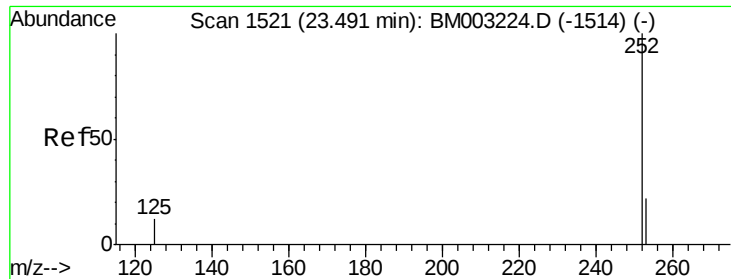


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 1.00 ng/ul

RT: 23.48 min Scan# 1520

Delta R.T. -0.01 min

Lab File: BM003233.D

Acq: 20 Nov 2015 22:20

Instrument :

BNA_M

ClientSampleId :

A4HR5

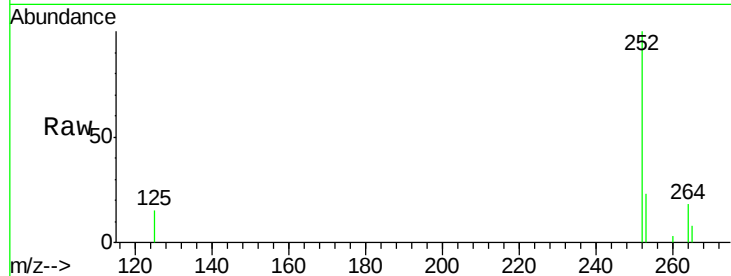
Tgt Ion:252 Resp: 183302

Ion Ratio Lower Upper

252 100

253 22.6 19.4 29.2

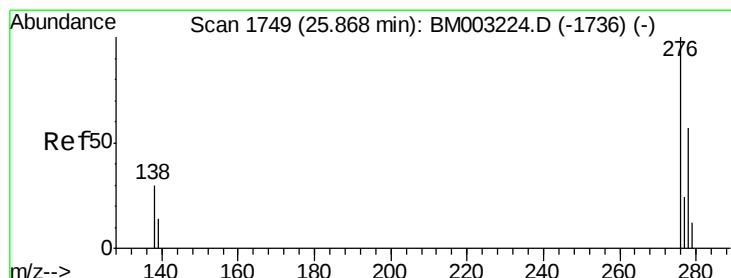
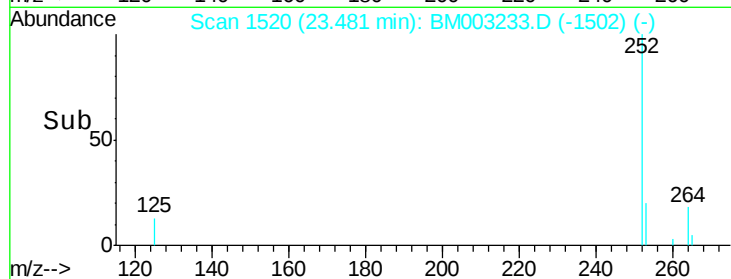
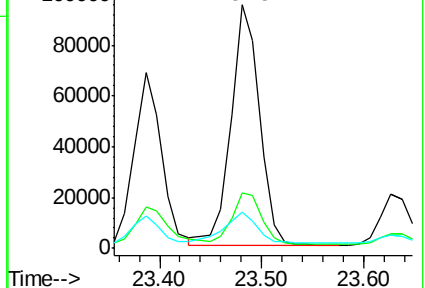
125 14.9 12.7 19.1



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: 0.58 ng/ul

RT: 25.86 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BM003233.D

Acq: 20 Nov 2015 22:20

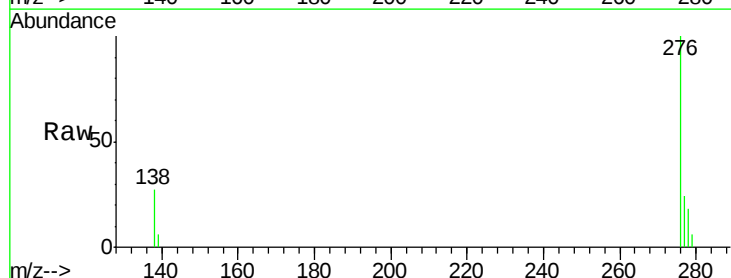
Tgt Ion:276 Resp: 126167

Ion Ratio Lower Upper

276 100

138 25.6 16.3 24.5#

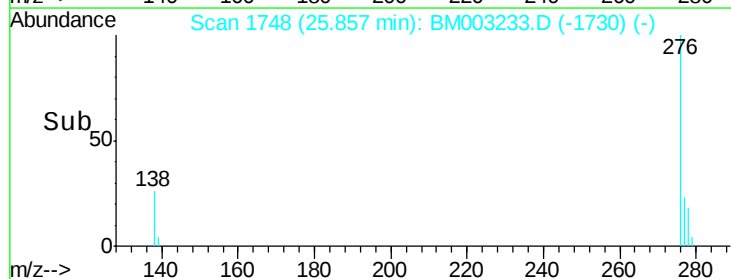
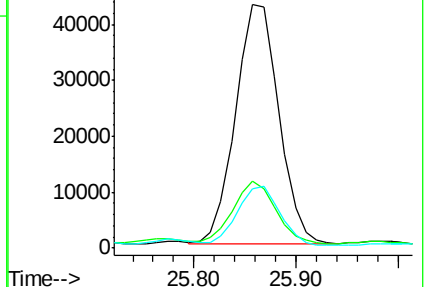
277 24.3 19.8 29.8

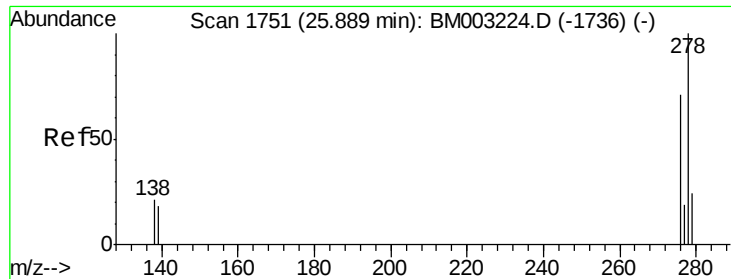


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.17 ng/ul

RT: 25.87 min Scan# 1749

Delta R.T. -0.02 min

Lab File: BM003233.D

Acq: 20 Nov 2015 22:20

Instrument :

BNA_M

ClientSampleId :

A4HR5

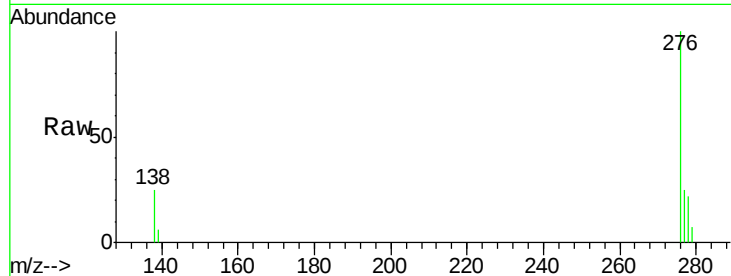
Tgt Ion:278 Resp: 29336

Ion Ratio Lower Upper

278 100

139 29.6 16.4 24.6#

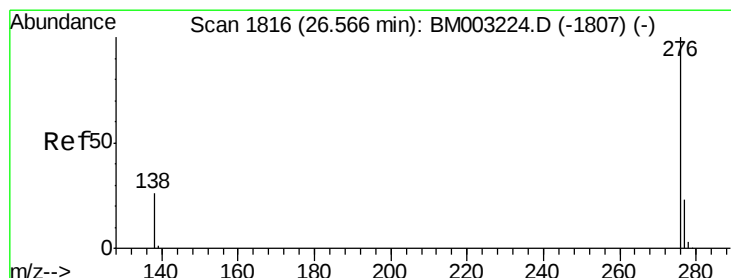
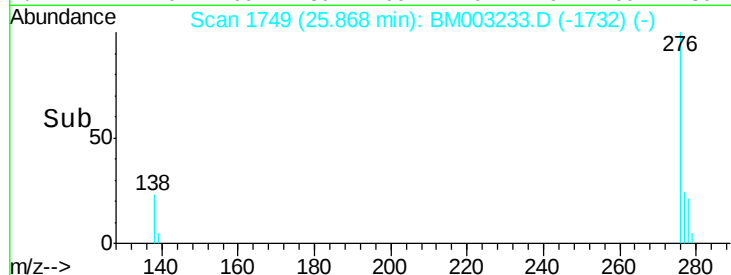
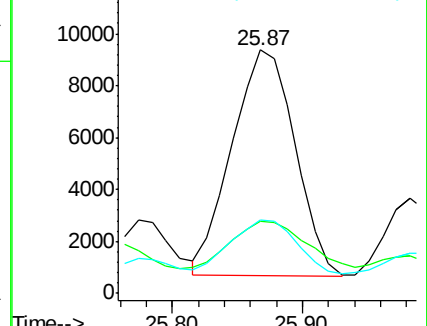
279 30.0 20.2 30.2



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: 0.58 ng/ul

RT: 26.57 min Scan# 1816

Delta R.T. -0.00 min

Lab File: BM003233.D

Acq: 20 Nov 2015 22:20

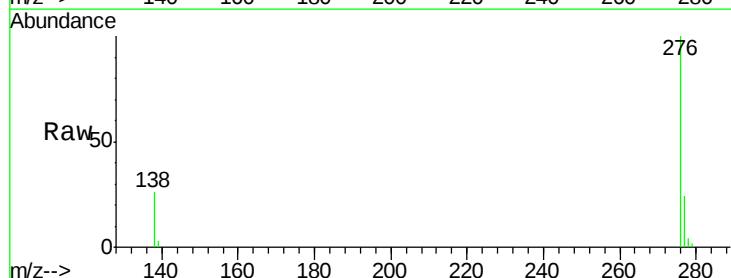
Tgt Ion:276 Resp: 110034

Ion Ratio Lower Upper

276 100

277 24.5 18.9 28.3

138 25.9 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

