

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112115\
 Data File : BM003265.D
 Acq On : 22 Nov 2015 01:16
 Operator : UM/IZ
 Sample : G4345-09
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4J51

Quant Time: Nov 22 04:48:07 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	13271	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	52313	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	28260	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	56711	0.40	ng/ul	0.00
18) Chrysene-d12	21.32	240	56623	0.40	ng/ul	0.00
22) Perylene-d12	23.58	264	56719	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.20	96	69797	4.92	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	13642	0.19	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	17530	0.13	ng/ul	0.00

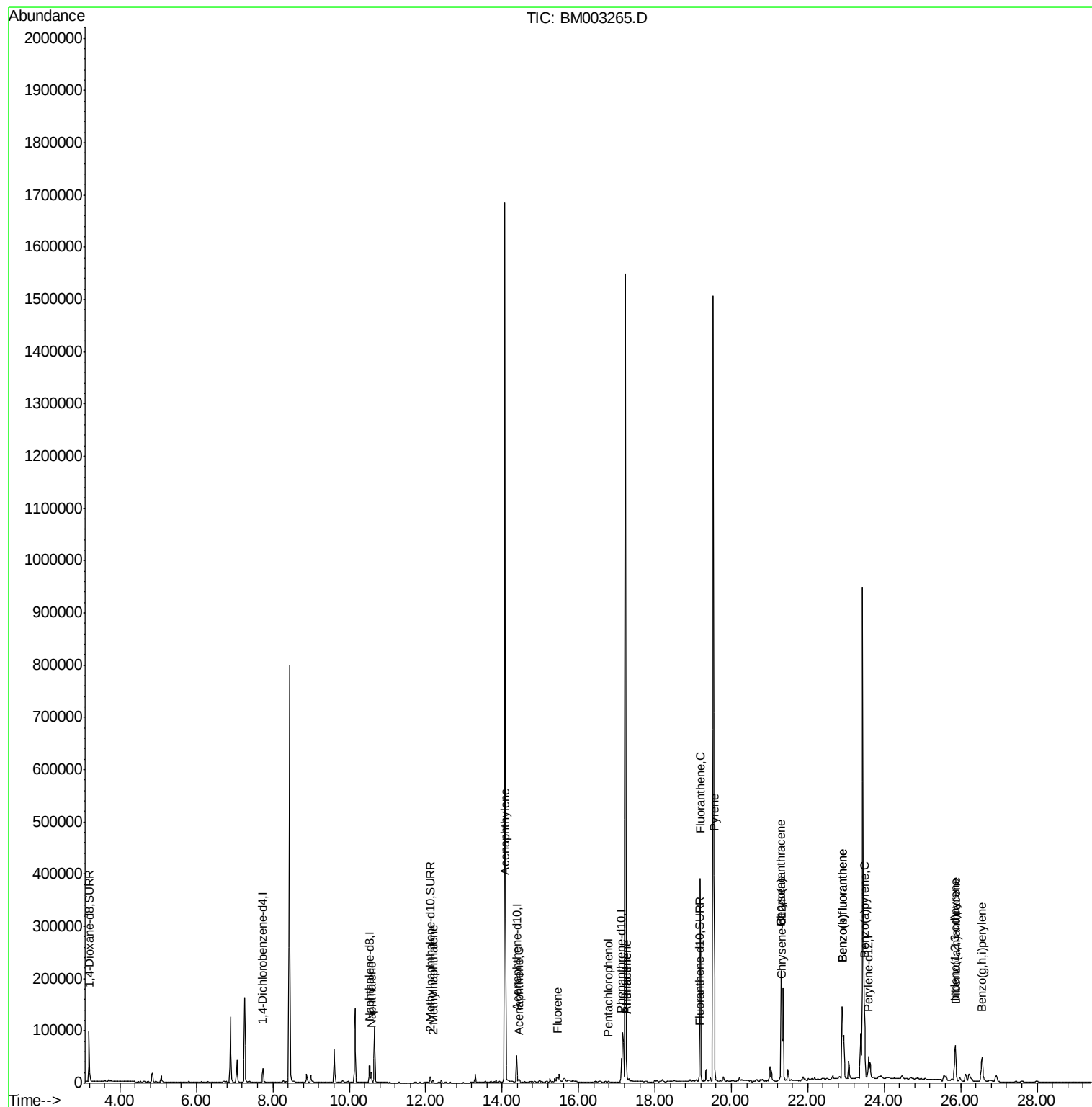
Target Compounds				Qvalue		
5) Naphthalene	10.57	128	28705	0.21	ng/ul	97
7) 2-Methylnaphthalene	12.19	142	3865	0.04	ng/ul#	100
9) Acenaphthylene	14.09	152	51841	0.44	ng/ul	99
10) Acenaphthene	14.43	153	4055	0.04	ng/ul#	76
11) Fluorene	15.44	166	9379	0.09	ng/ul#	89
13) Pentachlorophenol	16.78	266	770	0.06	ng/ul	95
14) Phenanthrene	17.26	178	42606	0.26	ng/ul	98
15) Anthracene	17.26	178	45580	0.33	ng/ul	98
17) Fluoranthene	19.19	202	353383	1.94	ng/ul	99
19) Pyrene	19.55	202	330949	1.70	ng/ul	98
20) Benzo(a)anthracene	21.30	228	212704	1.30	ng/ul#	89
21) Chrysene	21.30	228	211705	1.14	ng/ul	93
23) Benzo(b)fluoranthene	22.91	252	333609	1.55	ng/ul	98
24) Benzo(k)fluoranthene	22.91	252	333609	1.64	ng/ul	98
25) Benzo(a)pyrene	23.48	252	182579	0.95	ng/ul	98
26) Indeno(1,2,3-cd)pyrene	25.86	276	108517	0.47	ng/ul#	94
27) Dibenzo(a,h)anthracene	25.87	278	27500	0.15	ng/ul#	86
28) Benzo(g,h,i)perylene	26.56	276	101658	0.51	ng/ul	100

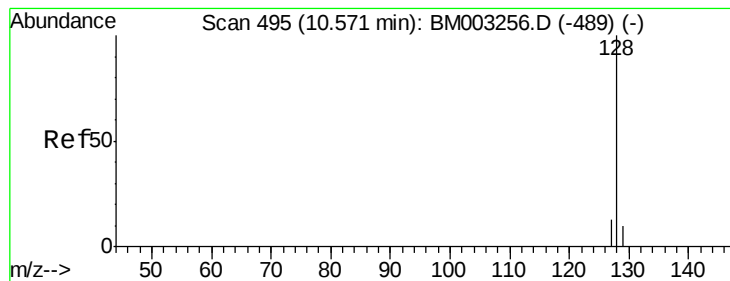
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.21 ng/ul

RT: 10.57 min Scan# 495

Delta R.T. -0.00 min

Lab File: BM003265.D

Acq: 22 Nov 2015 01:16

Instrument :

BNA_M

ClientSampleId :

A4J51

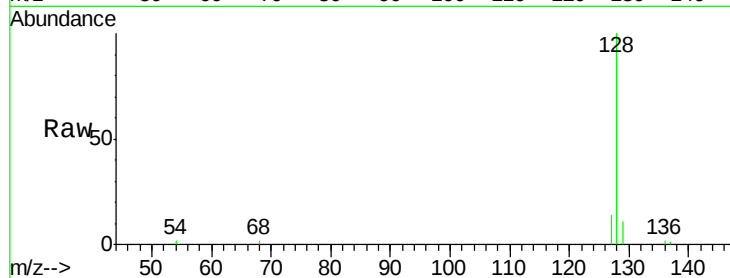
Tgt Ion:128 Resp: 28705

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

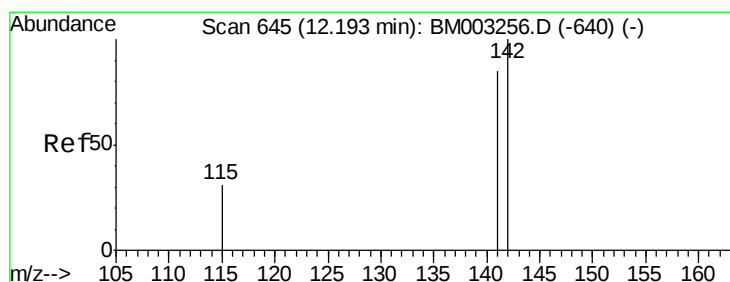
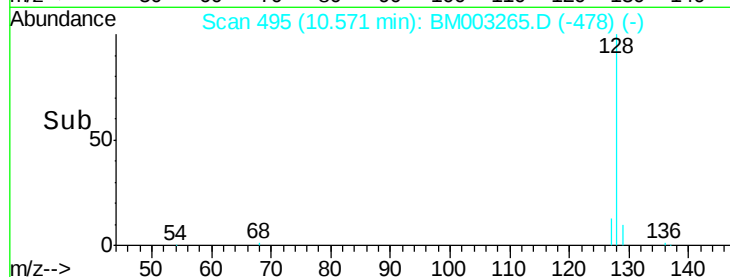
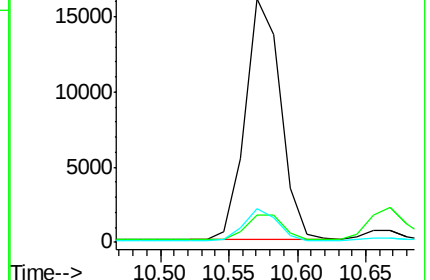
127 13.9 9.6 14.4



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: 0.04 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM003265.D

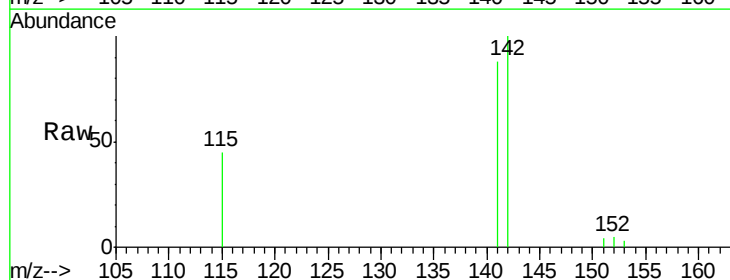
Acq: 22 Nov 2015 01:16

Tgt Ion:142 Resp: 3865

Ion Ratio Lower Upper

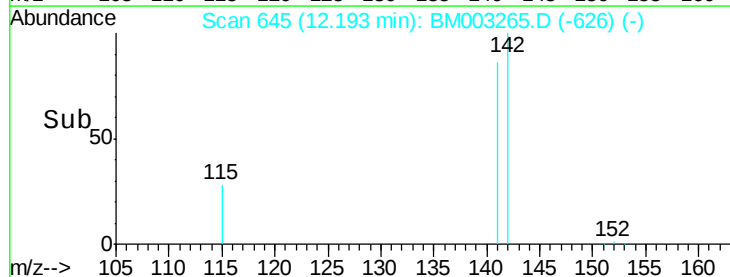
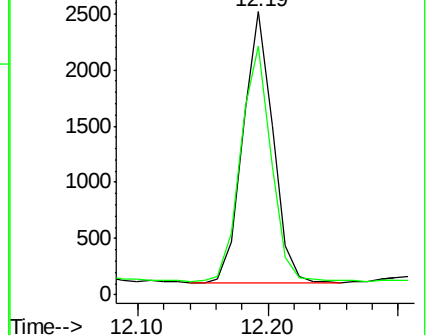
142 100

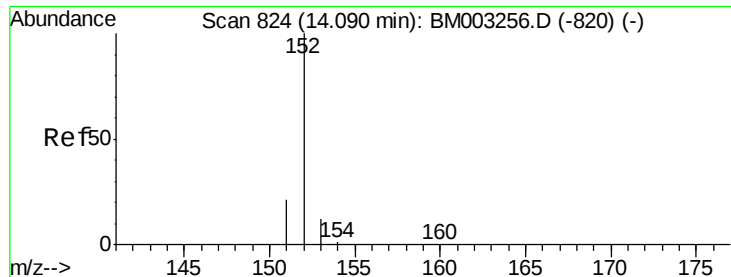
141 87.7 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.44 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM003265.D

Acq: 22 Nov 2015 01:16

Instrument :

BNA_M

ClientSampleId :

A4J51

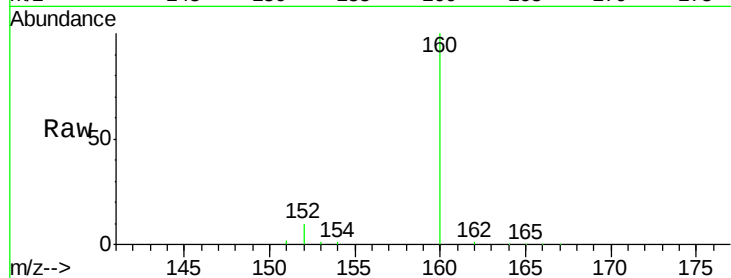
Tgt Ion:152 Resp: 51841

Ion Ratio Lower Upper

152 100

151 21.5 17.6 26.4

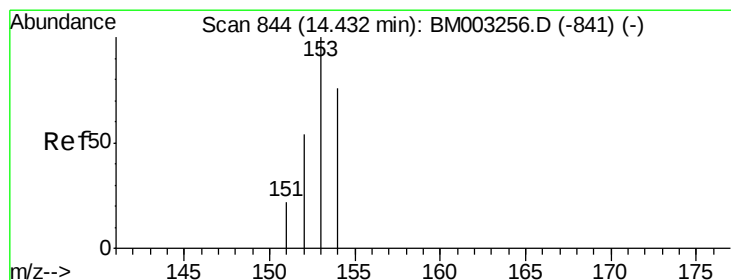
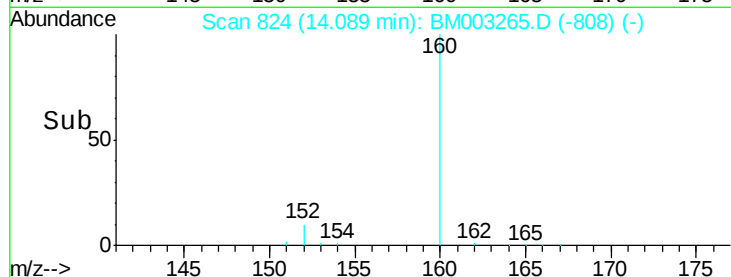
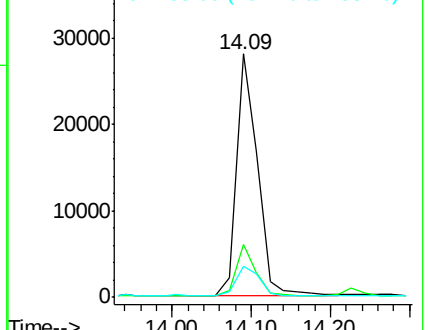
153 12.8 9.7 14.5



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. -0.00 min

Lab File: BM003265.D

Acq: 22 Nov 2015 01:16

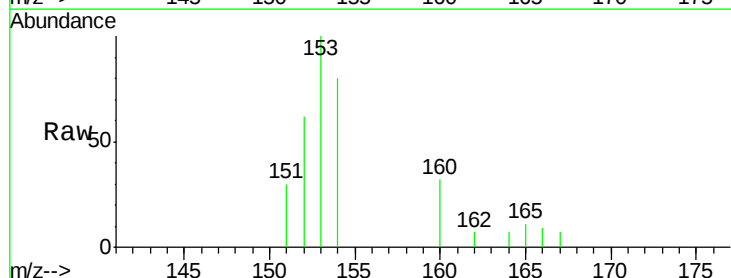
Tgt Ion:153 Resp: 4055

Ion Ratio Lower Upper

153 100

152 62.1 33.9 50.9#

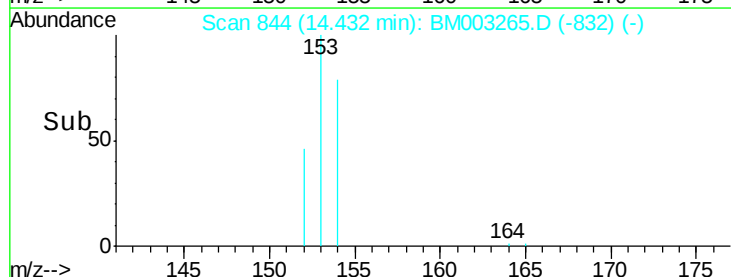
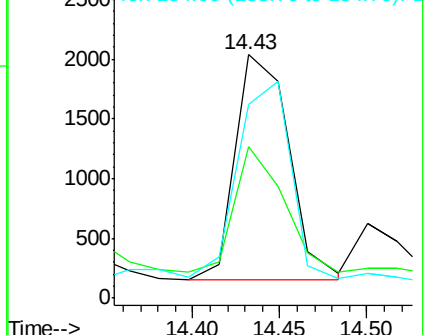
154 79.7 80.6 121.0#

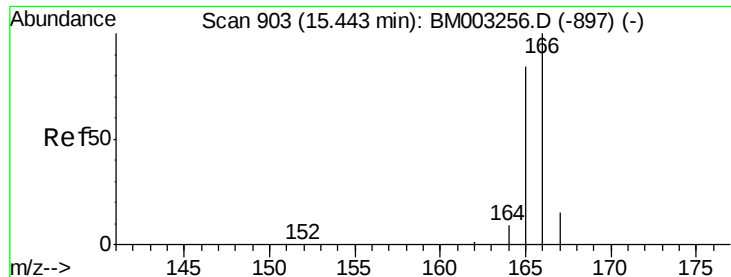


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

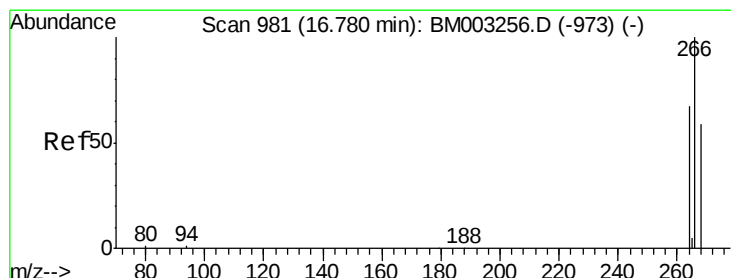
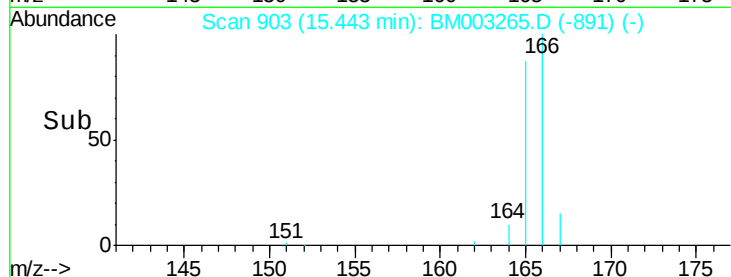
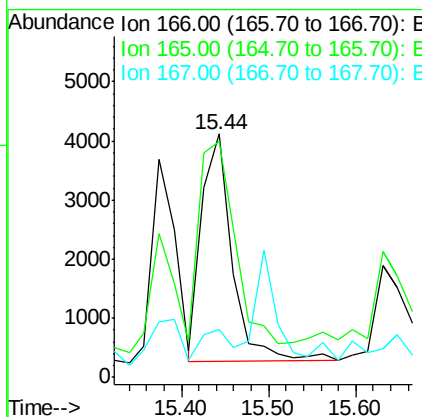
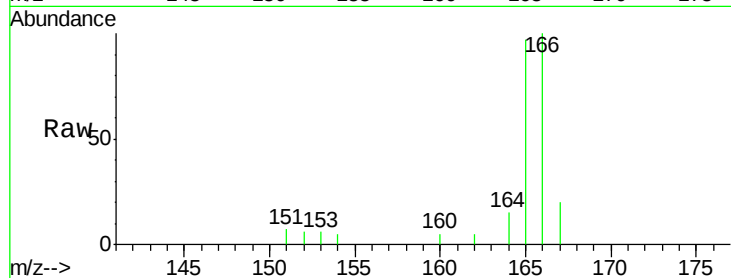




#11
Fluorene
 Concen: 0.09 ng/ul
 RT: 15.44 min Scan# 903
 Delta R.T. -0.00 min
 Lab File: BM003265.D
 Acq: 22 Nov 2015 01:16

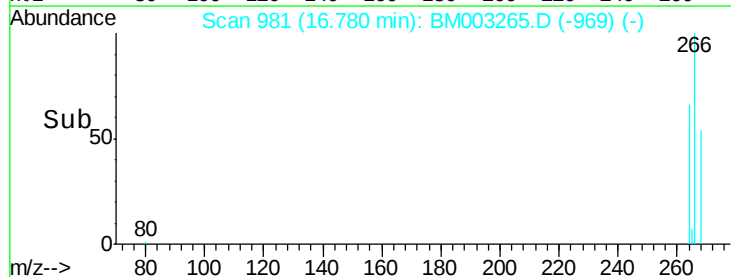
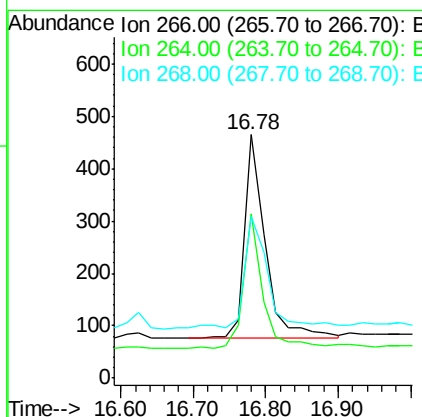
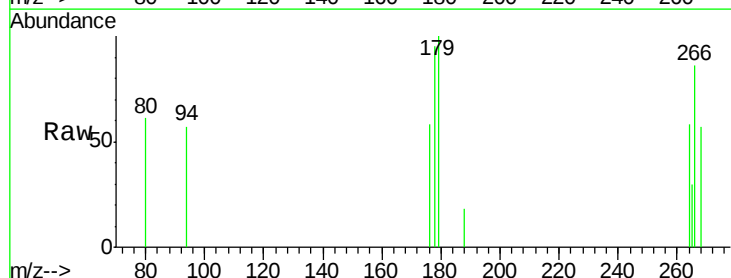
Instrument :
 BNA_M
 ClientSampleId :
 A4J51

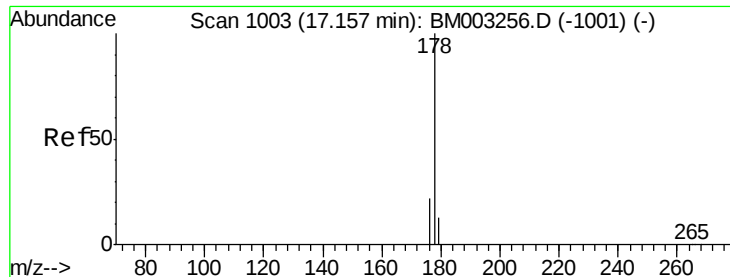
Tgt Ion:166 Resp: 9379
 Ion Ratio Lower Upper
 166 100
 165 96.7 69.6 104.4
 167 19.6 11.9 17.9#



#13
Pentachlorophenol
 Concen: 0.06 ng/ul
 RT: 16.78 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: BM003265.D
 Acq: 22 Nov 2015 01:16

Tgt Ion:266 Resp: 770
 Ion Ratio Lower Upper
 266 100
 264 64.5 51.8 77.8
 268 66.8 46.8 70.2





#14

Phenanthrene

Concen: 0.26 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. 0.10 min

Lab File: BM003265.D

Acq: 22 Nov 2015 01:16

Instrument :

BNA_M

ClientSampleId :

A4J51

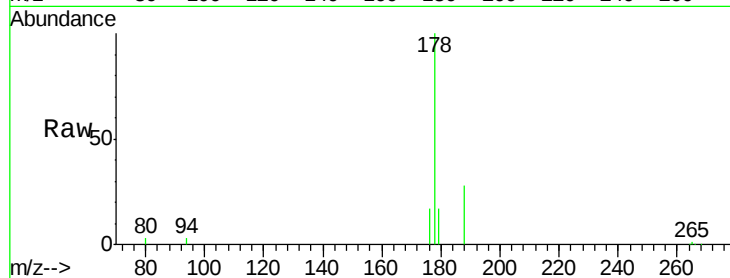
Tgt Ion:178 Resp: 42606

Ion Ratio Lower Upper

178 100

176 17.4 13.0 19.4

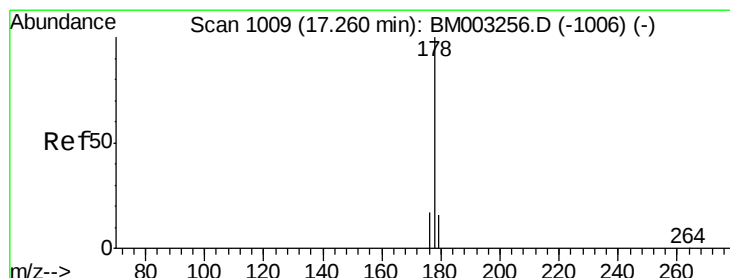
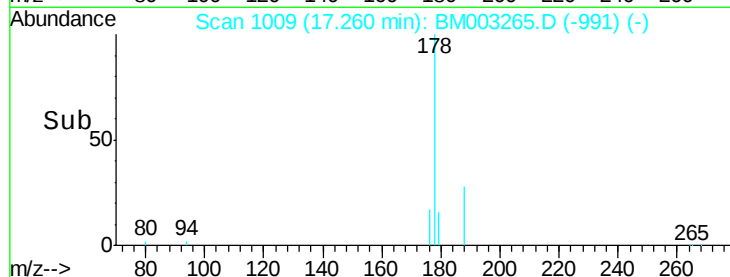
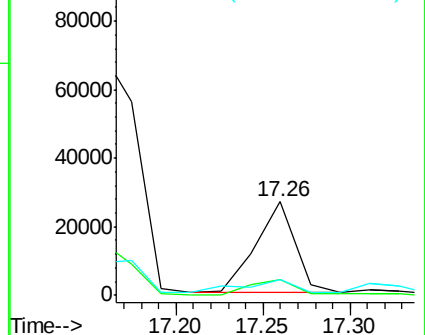
179 17.4 14.2 21.2



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: 0.33 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BM003265.D

Acq: 22 Nov 2015 01:16

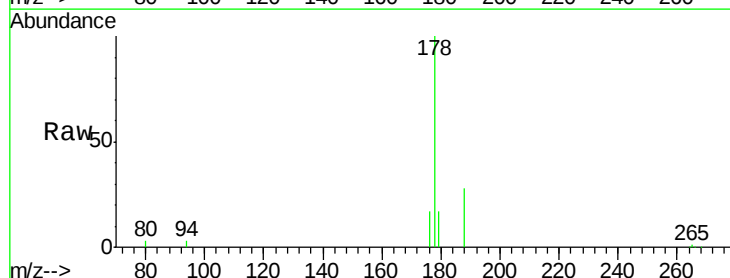
Tgt Ion:178 Resp: 45580

Ion Ratio Lower Upper

178 100

176 17.4 14.0 21.0

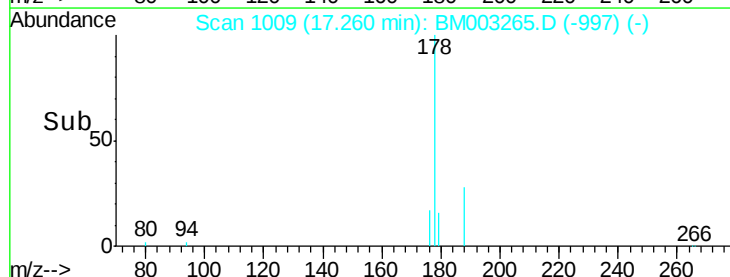
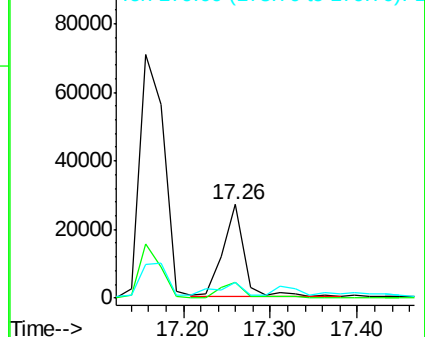
179 17.4 12.9 19.3

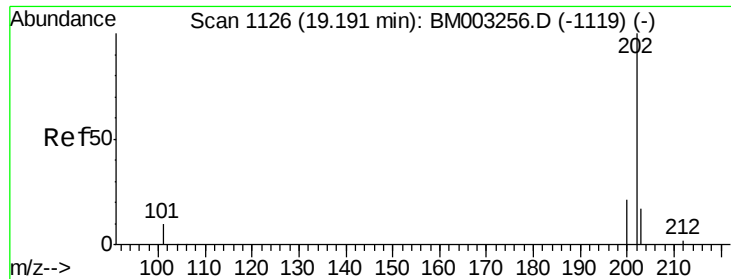


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

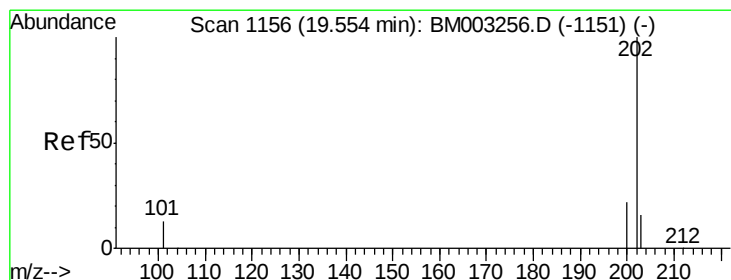
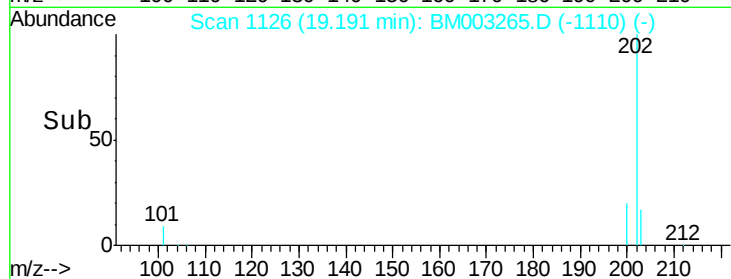
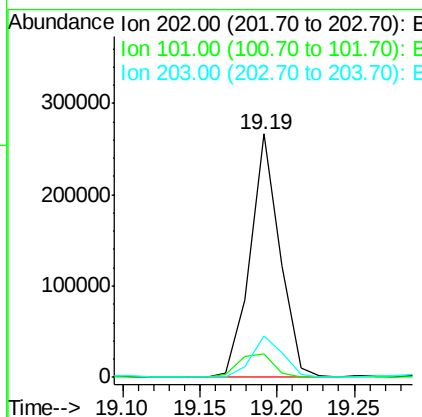
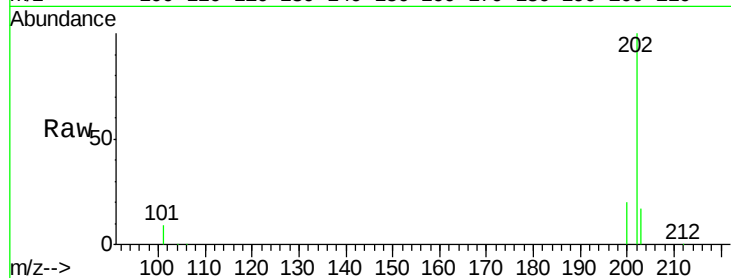




#17
Fluoranthene
Concen: 1.94 ng/ul
RT: 19.19 min Scan# 1126
Delta R.T. -0.00 min
Lab File: BM003265.D
Acq: 22 Nov 2015 01:16

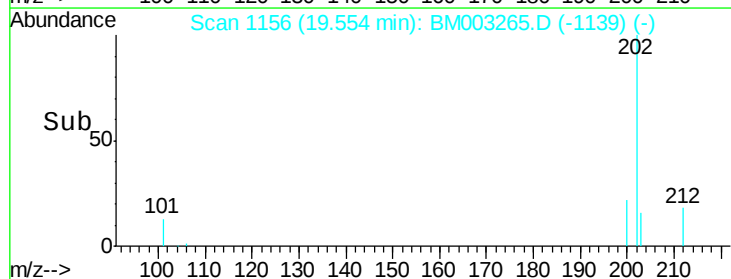
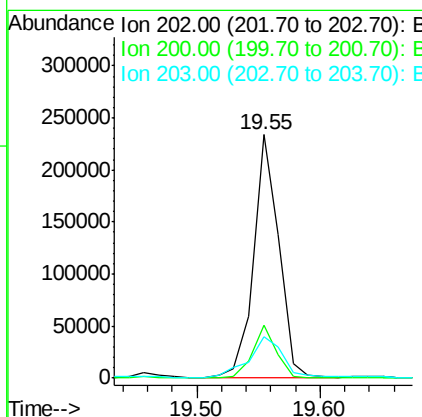
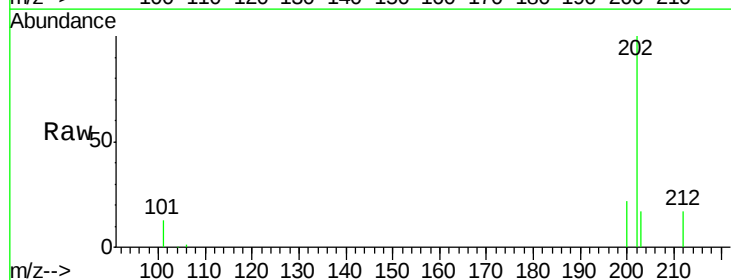
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A4J51

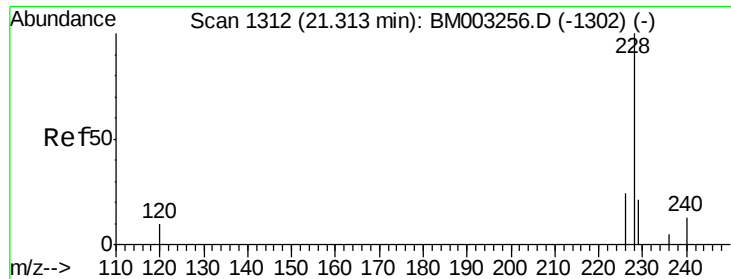
Tgt Ion: 202 Resp: 353383
Ion Ratio Lower Upper
202 100
101 9.5 0.0 29.6
203 16.8 0.0 36.3



#19
Pyrene
Concen: 1.70 ng/ul
RT: 19.55 min Scan# 1156
Delta R.T. -0.00 min
Lab File: BM003265.D
Acq: 22 Nov 2015 01:16

Tgt Ion: 202 Resp: 330949
Ion Ratio Lower Upper
202 100
200 21.7 17.8 26.8
203 16.8 12.8 19.2

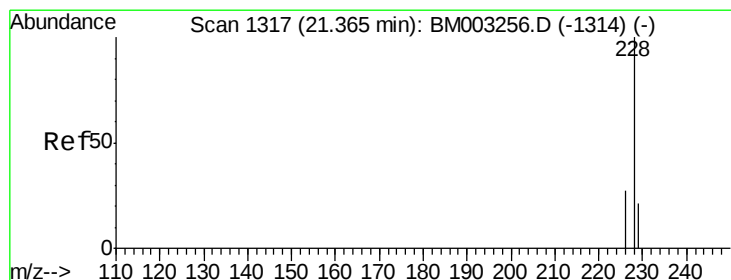
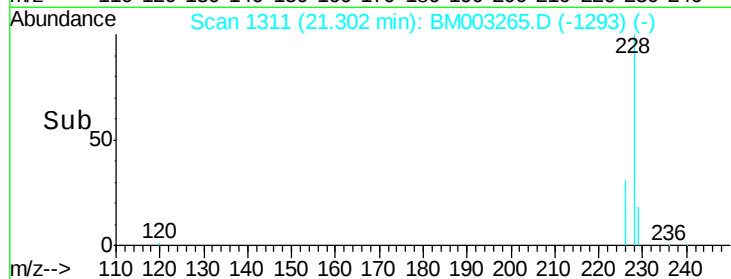
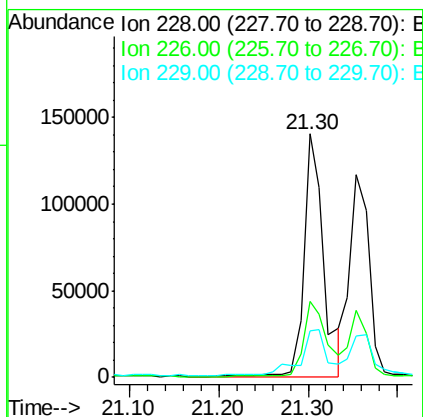
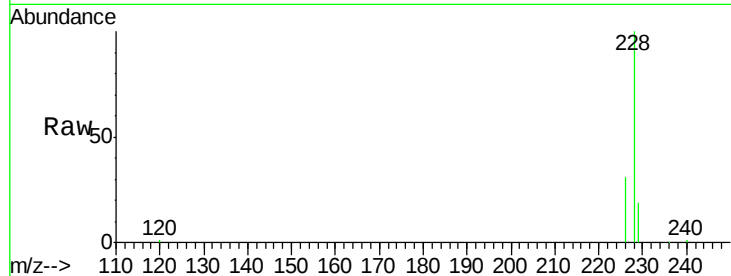




#20
Benzo(a)anthracene
Concen: 1.30 ng/ul
RT: 21.30 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BM003265.D
Acq: 22 Nov 2015 01:16

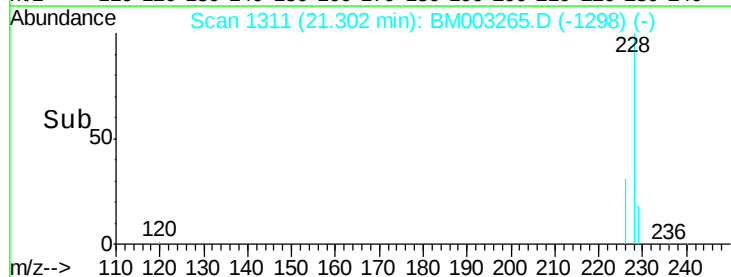
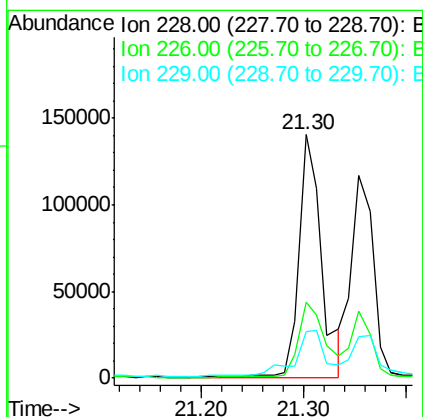
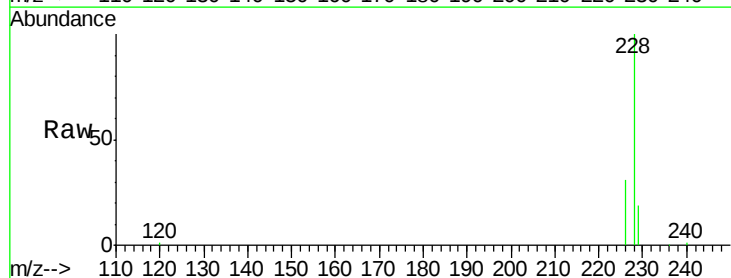
Instrument :
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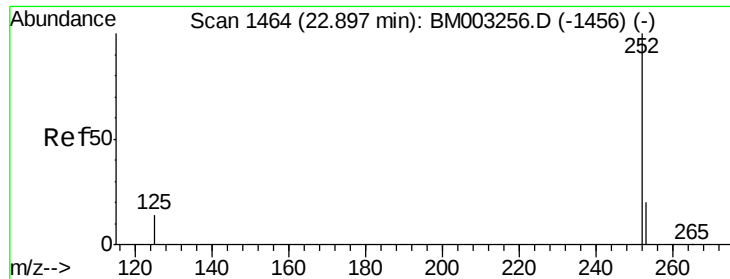
Tgt Ion:228 Resp: 212704
Ion Ratio Lower Upper
228 100
226 31.2 18.8 28.2#
229 19.0 17.1 25.7



#21
Chrysene
Concen: 1.14 ng/ul
RT: 21.30 min Scan# 1311
Delta R.T. -0.06 min
Lab File: BM003265.D
Acq: 22 Nov 2015 01:16

Tgt Ion:228 Resp: 211705
Ion Ratio Lower Upper
228 100
226 31.2 21.2 31.8
229 19.0 17.0 25.6





#23

Benzo(b)fluoranthene

Concen: 1.55 ng/u1

RT: 22.91 min Scan# 1465

Delta R.T. 0.01 min

Lab File: BM003265.D

Acq: 22 Nov 2015 01:16

Instrument :

BNA_M

ClientSampleId :

A4J51

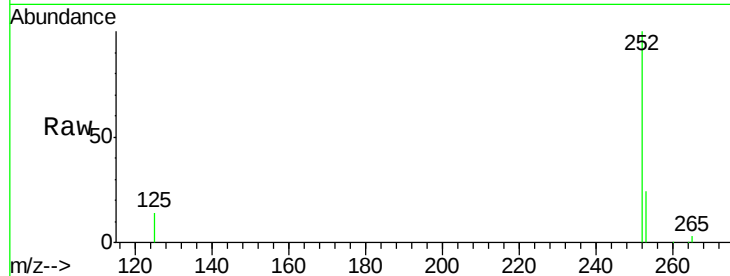
Tgt Ion:252 Resp: 333609

Ion Ratio Lower Upper

252 100

253 23.8 0.0 45.4

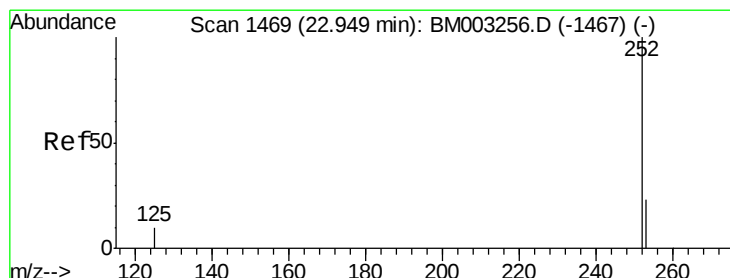
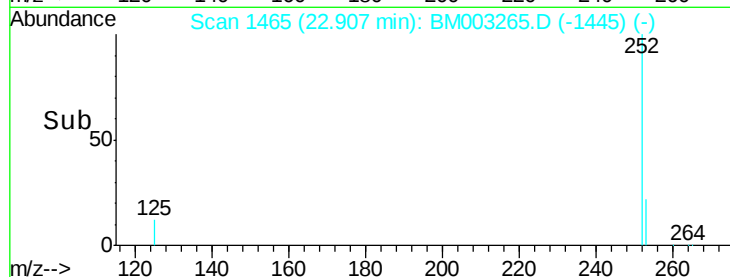
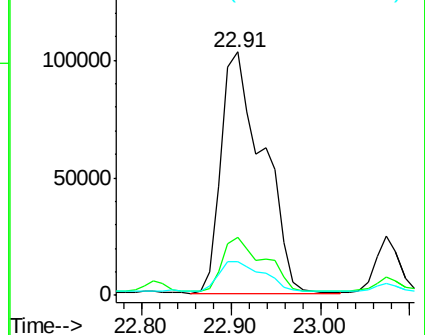
125 14.0 0.0 28.8



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: 1.64 ng/u1

RT: 22.91 min Scan# 1465

Delta R.T. -0.04 min

Lab File: BM003265.D

Acq: 22 Nov 2015 01:16

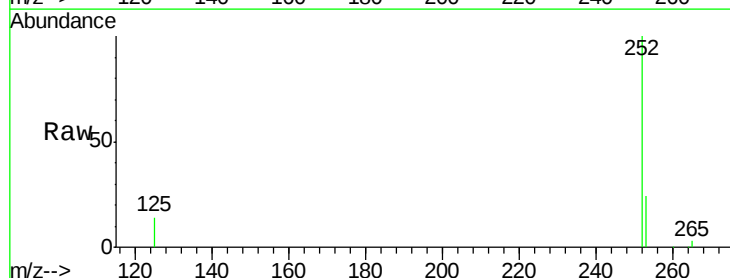
Tgt Ion:252 Resp: 333609

Ion Ratio Lower Upper

252 100

253 23.8 19.8 29.8

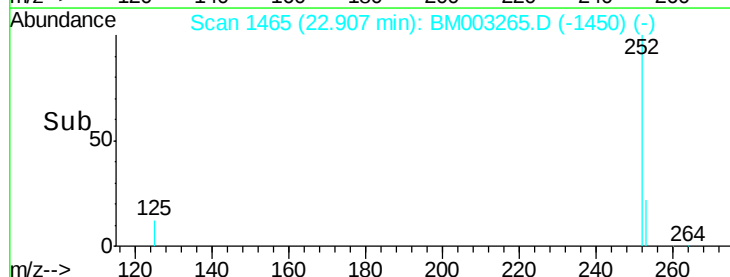
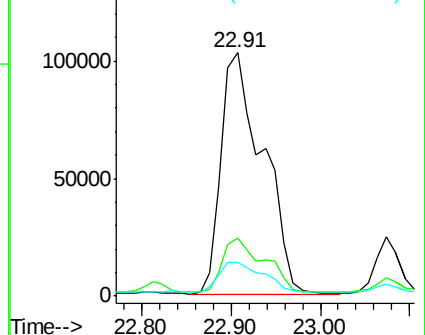
125 14.0 10.4 15.6

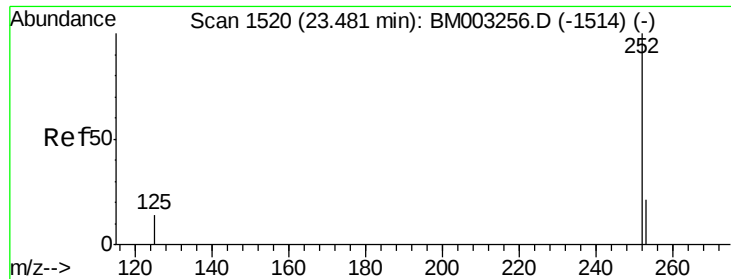


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.95 ng/ul

RT: 23.48 min Scan# 1520

Delta R.T. -0.00 min

Lab File: BM003265.D

Acq: 22 Nov 2015 01:16

Instrument :

BNA_M

ClientSampleId :

A4J51

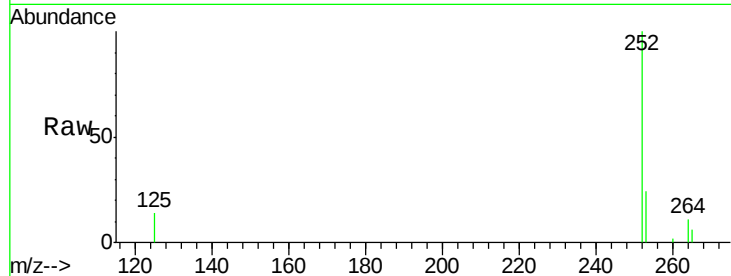
Tgt Ion:252 Resp: 182579

Ion Ratio Lower Upper

252 100

253 23.7 19.4 29.2

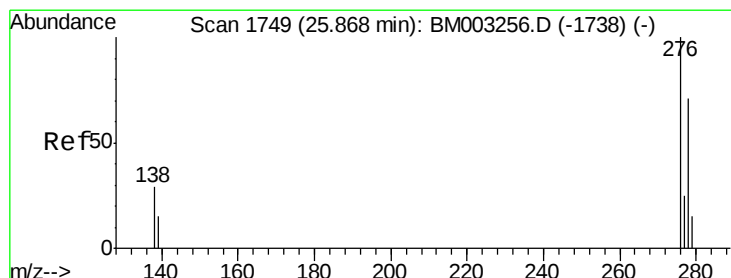
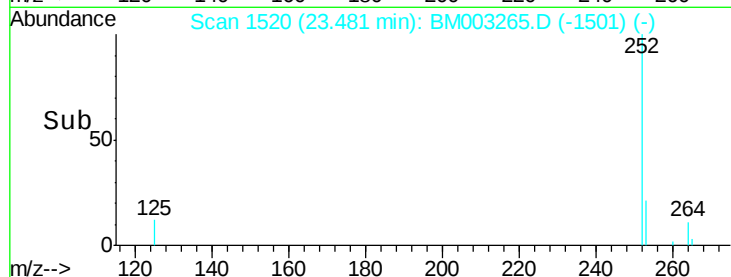
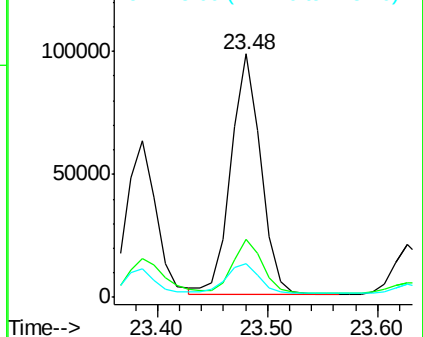
125 14.1 12.7 19.1



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: 0.47 ng/ul

RT: 25.86 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BM003265.D

Acq: 22 Nov 2015 01:16

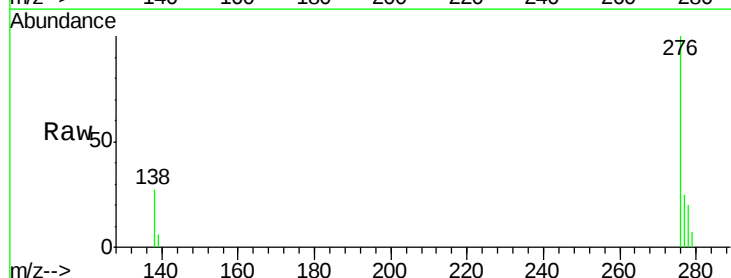
Tgt Ion:276 Resp: 108517

Ion Ratio Lower Upper

276 100

138 26.0 16.3 24.5#

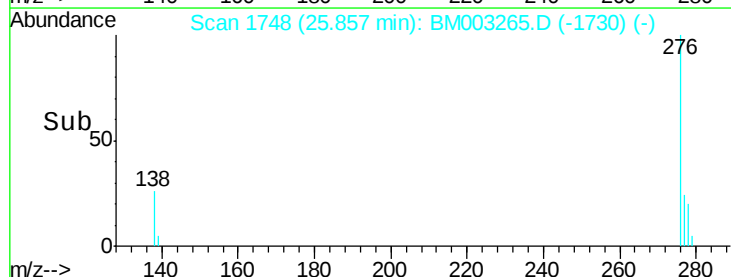
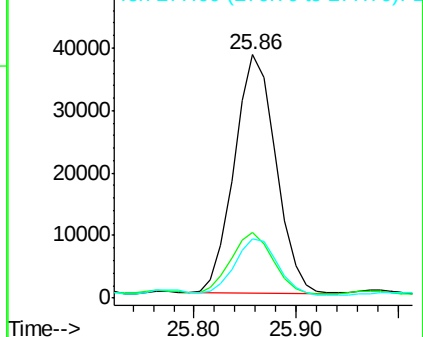
277 24.3 19.8 29.8

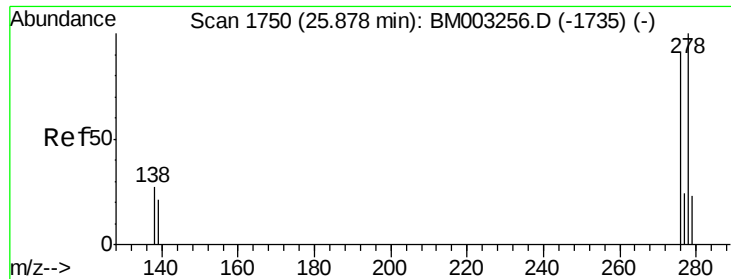


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

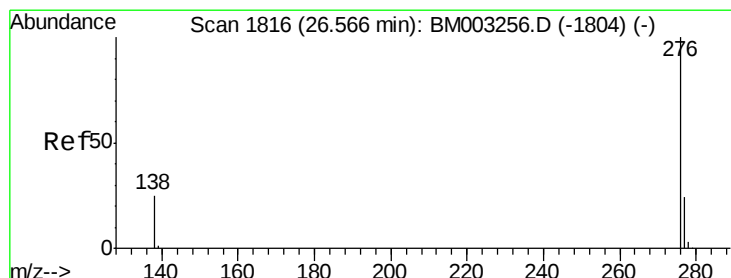
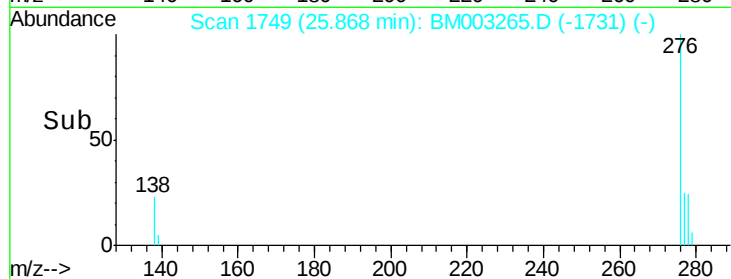
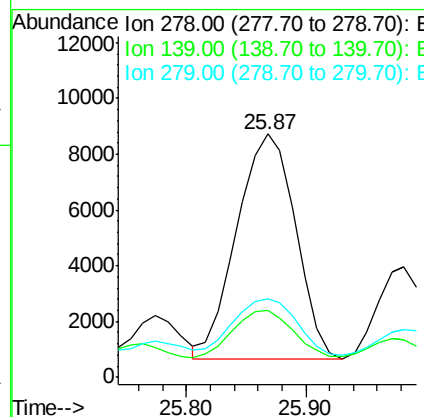
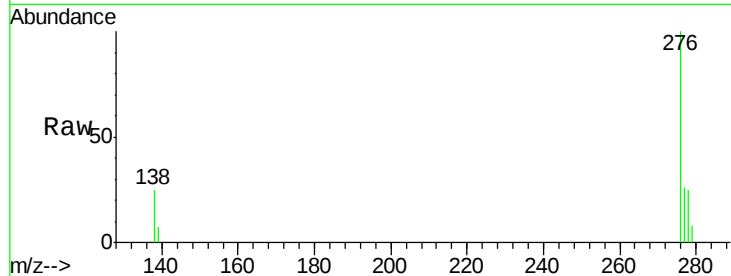




#27
Dibenzo(a,h)anthracene
Concen: 0.15 ng/ul
RT: 25.87 min Scan# 1749
Delta R.T. -0.01 min
Lab File: BM003265.D
Acq: 22 Nov 2015 01:16

Instrument :
BNA_M
ClientSampleId :
A4J51

Tgt Ion: 278 Resp: 27500
Ion Ratio Lower Upper
278 100
139 27.3 16.4 24.6#
279 32.4 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.51 ng/ul
RT: 26.56 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BM003265.D
Acq: 22 Nov 2015 01:16

Tgt Ion: 276 Resp: 101658
Ion Ratio Lower Upper
276 100
277 23.9 18.9 28.3
138 28.1 22.5 33.7

