

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081215\
 Data File : BM002348.D
 Acq On : 12 Aug 2015 06:44
 Operator : UM/IZ
 Sample : G3162-18MS
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9C84MS

Quant Time: Aug 12 07:22:11 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 12 04:50:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	227996	20.00	ng/ul	0.00
2) Naphthalene-d8	11.77	136	1038679	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.48	164	526666	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.19	188	976785	20.00	ng/ul	0.00
17) Chrysene-d12	22.28	240	668722	20.00	ng/ul	0.00
22) Perylene-d12	24.98	264	646620	20.00	ng/ul	0.01

System Monitoring Compounds						
7) Acenaphthylene-d8	15.19	160	1296909	23.77	ng/ul	0.00
10) Fluorene-d10	16.46	176	845844	22.29	ng/ul	0.00
14) Anthracene-d10	18.29	188	1120939	23.65	ng/ul	0.00
18) Pyrene-d10	20.51	212	893432	27.55	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.80	264	683682	19.91	ng/ul	0.01

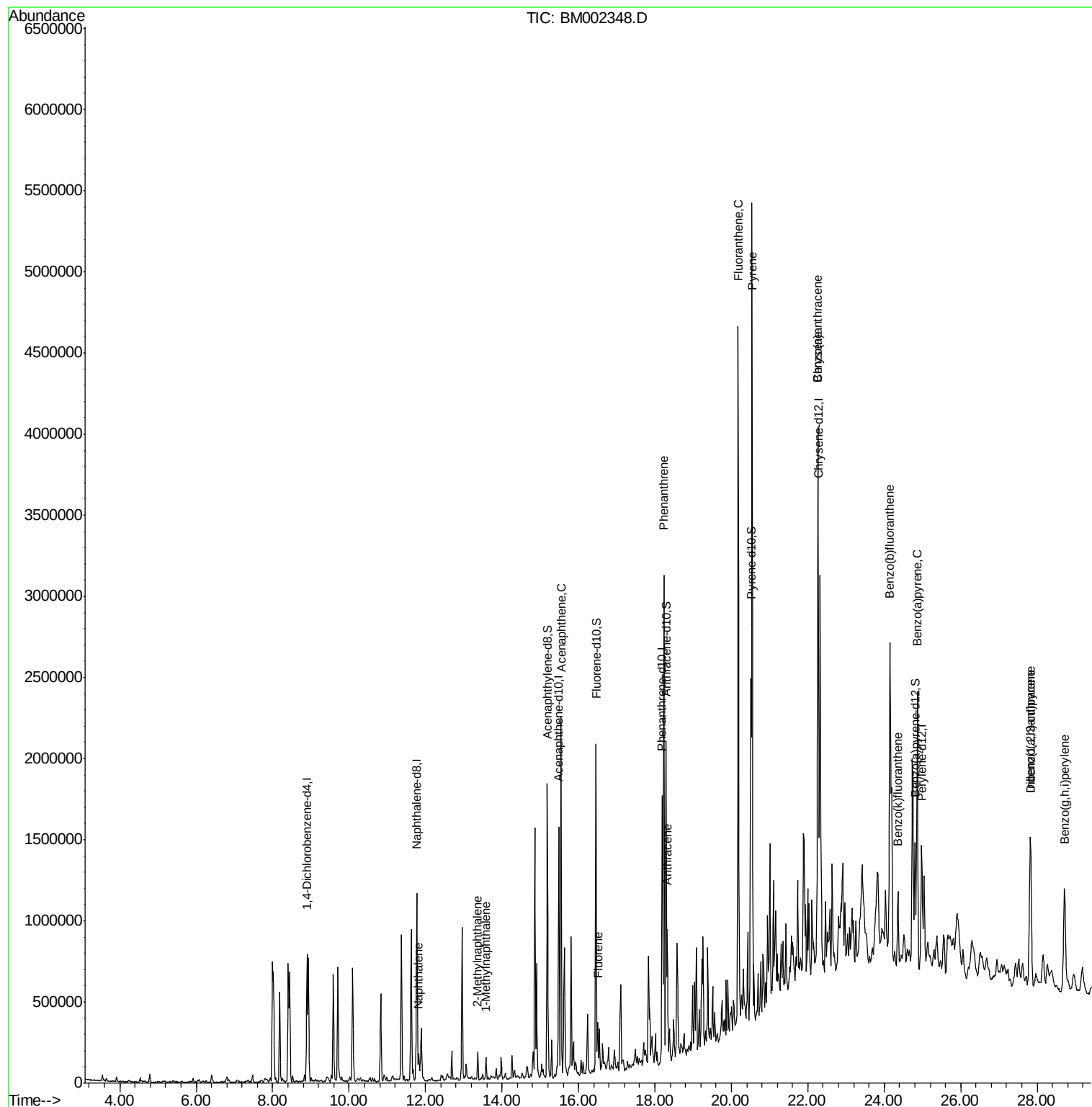
Target Compounds				Qvalue		
3) Naphthalene	11.82	128	143278	2.62	ng/ul	99
4) 2-Methylnaphthalene	13.36	142	82904	2.12	ng/ul	96
5) 1-Methylnaphthalene	13.57	142	67453	1.75	ng/ul	97
9) Acenaphthene	15.54	153	898975	23.60	ng/ul	98
11) Fluorene	16.51	166	133978	3.12	ng/ul	97
13) Phenanthrene	18.23	178	1879501	33.43	ng/ul	100
15) Anthracene	18.32	178	537600	9.26	ng/ul	99
16) Fluoranthene	20.19	202	2672359	42.93	ng/ul	99
19) Pyrene	20.54	202	2925958	67.68	ng/ul	100
20) Benzo(a)anthracene	22.26	228	1565338	38.35	ng/ul	98
21) Chrysene	22.26	228	1555862	40.22	ng/ul	96
23) Benzo(b)fluoranthene	24.15	252	2127177	52.93	ng/ul	98
24) Benzo(k)fluoranthene	24.36	252	318066	8.24	ng/ul#	87
26) Benzo(a)pyrene	24.86	252	1460124	37.97	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	27.83	276	969109	21.98	ng/ul	94
28) Dibenzo(a,h)anthracene	27.83	278	323376	8.66	ng/ul#	89
29) Benzo(g,h,i)perylene	28.71	276	858775	23.09	ng/ul	97

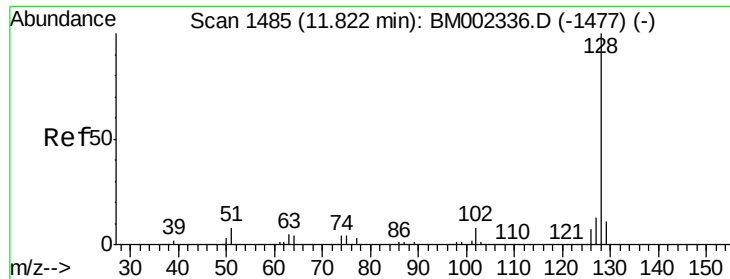
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 12 04:50:31 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 2.62 ng/ul

RT: 11.82 min Scan# 1485

Delta R.T. -0.00 min

Lab File: BM002348.D

Acq: 12 Aug 2015 06:44

Instrument :

BNA_M

ClientSampleId :

D9C84MS

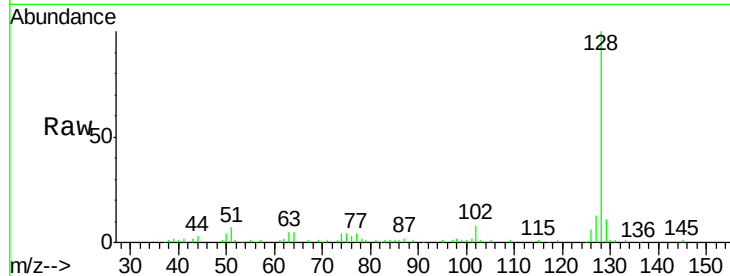
Tgt Ion:128 Resp: 143278

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

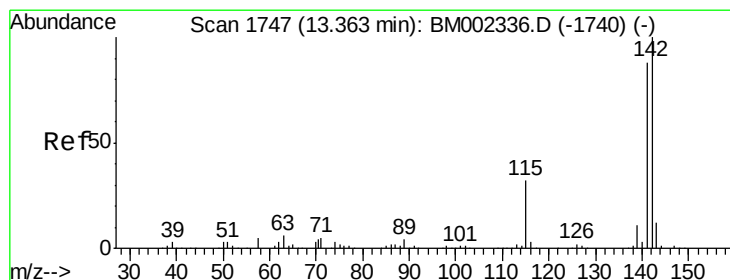
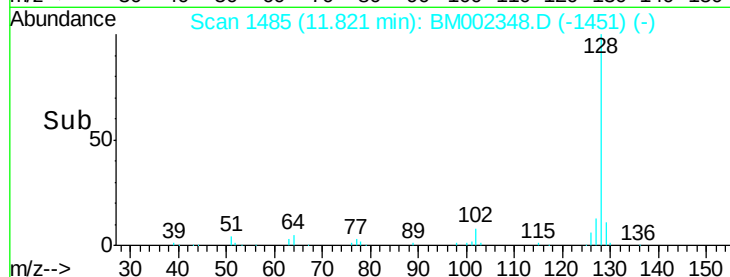
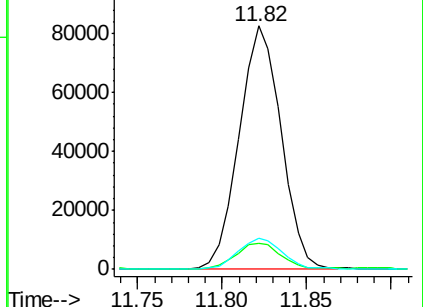
127 12.6 10.4 15.6



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



#4

2-Methylnaphthalene

Concen: 2.12 ng/ul

RT: 13.36 min Scan# 1747

Delta R.T. -0.00 min

Lab File: BM002348.D

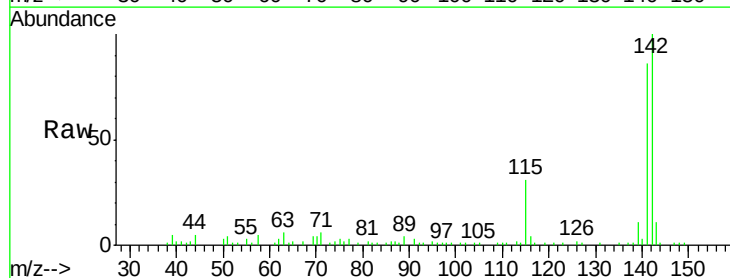
Acq: 12 Aug 2015 06:44

Tgt Ion:142 Resp: 82904

Ion Ratio Lower Upper

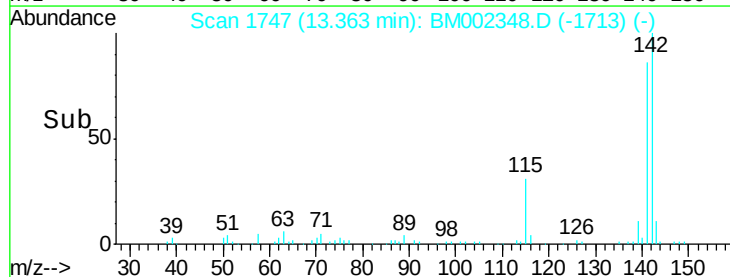
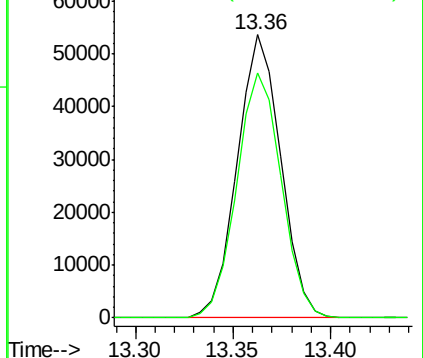
142 100

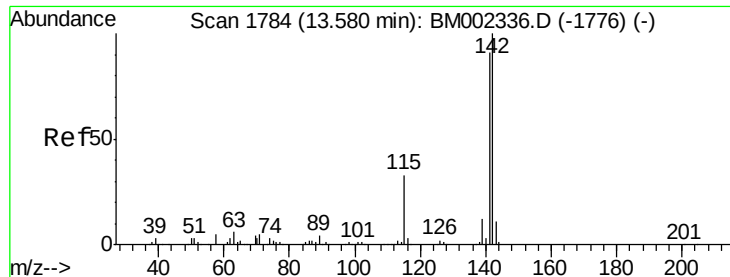
141 86.5 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 1.75 ng/ul

RT: 13.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BM002348.D

Acq: 12 Aug 2015 06:44

Instrument :

BNA_M

ClientSampled :

D9C84MS

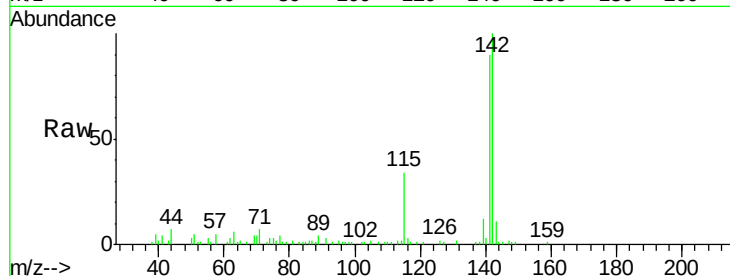
Tgt Ion:142 Resp: 67453

Ion Ratio Lower Upper

142 100

141 90.4 74.5 111.7

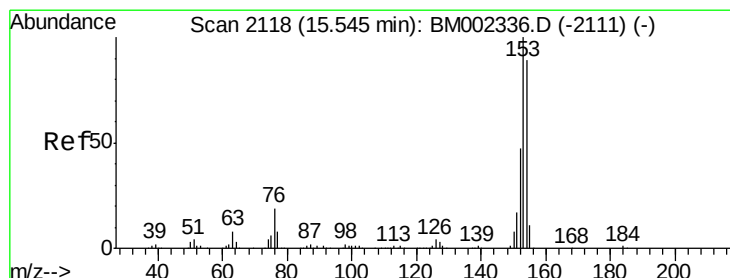
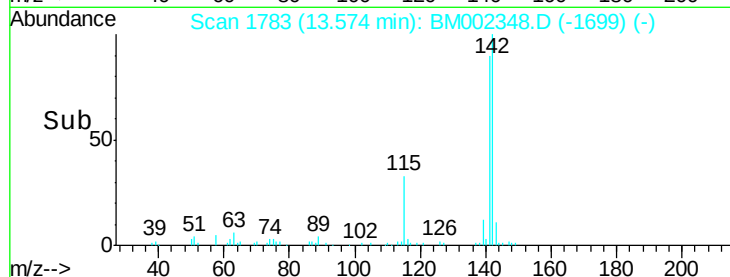
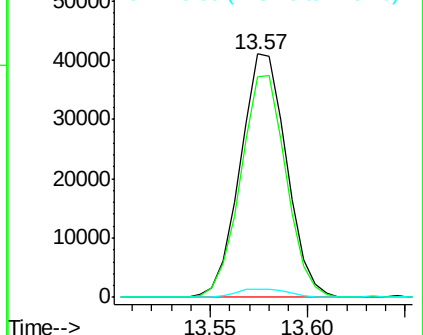
116 3.4 3.0 4.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#9

Acenaphthene

Concen: 23.60 ng/ul

RT: 15.54 min Scan# 2118

Delta R.T. -0.00 min

Lab File: BM002348.D

Acq: 12 Aug 2015 06:44

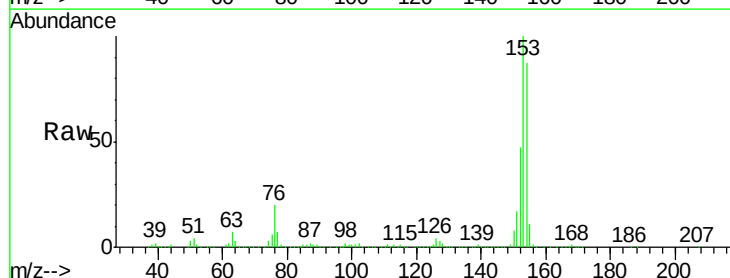
Tgt Ion:153 Resp: 898975

Ion Ratio Lower Upper

153 100

152 46.5 36.6 55.0

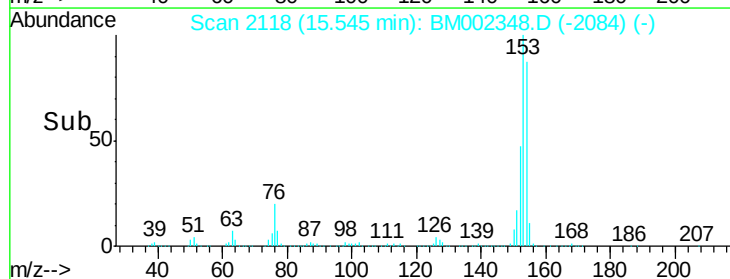
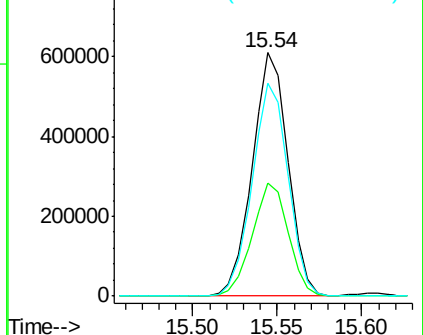
154 87.3 71.5 107.3

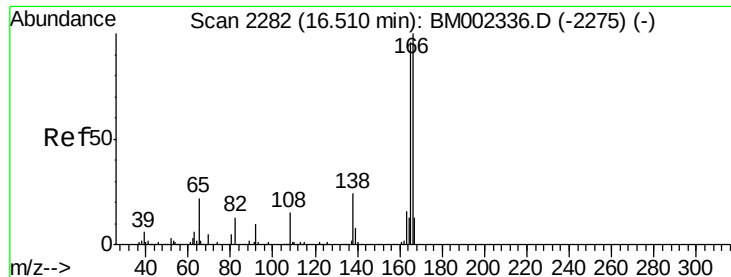


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

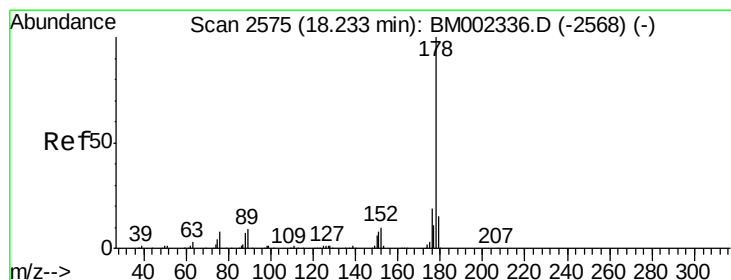
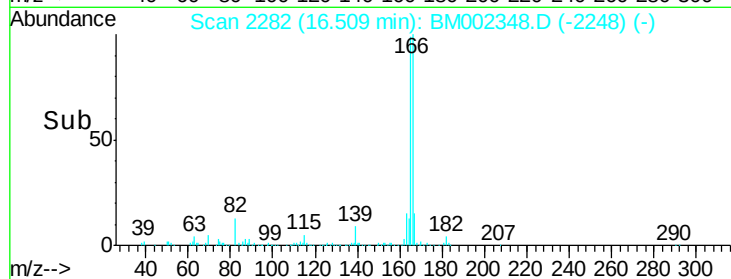
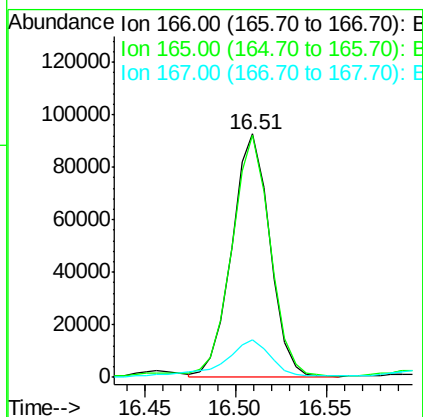
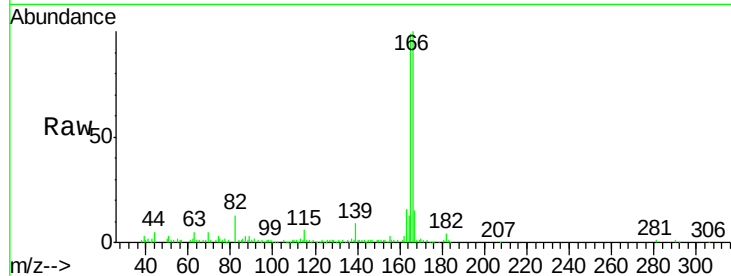




#11
 Fluorene
 Concen: 3.12 ng/ul
 RT: 16.51 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: BM002348.D
 Acq: 12 Aug 2015 06:44

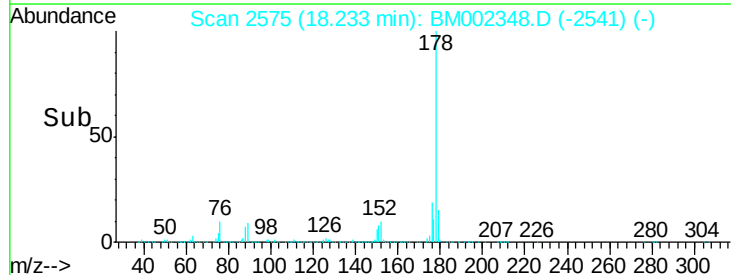
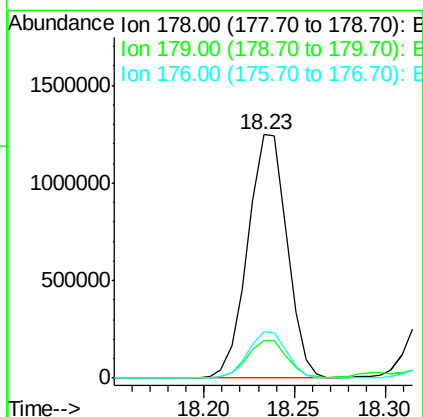
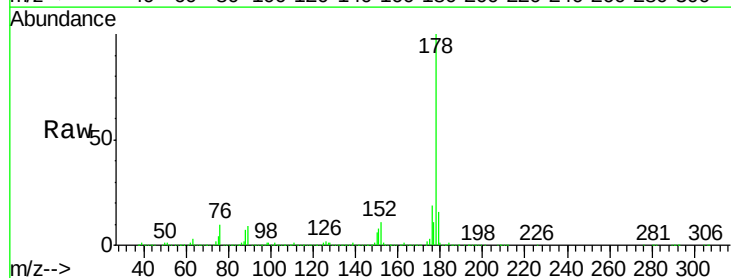
Instrument :
 BNA_M
 ClientSampleId :
 D9C84MS

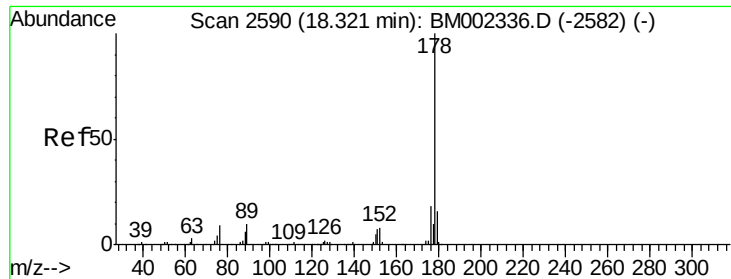
Tgt Ion:166 Resp: 133978
 Ion Ratio Lower Upper
 166 100
 165 99.5 77.5 116.3
 167 15.3 10.4 15.6



#13
 Phenanthrene
 Concen: 33.43 ng/ul
 RT: 18.23 min Scan# 2575
 Delta R.T. -0.00 min
 Lab File: BM002348.D
 Acq: 12 Aug 2015 06:44

Tgt Ion:178 Resp: 1879501
 Ion Ratio Lower Upper
 178 100
 179 15.5 12.3 18.5
 176 19.0 15.3 22.9

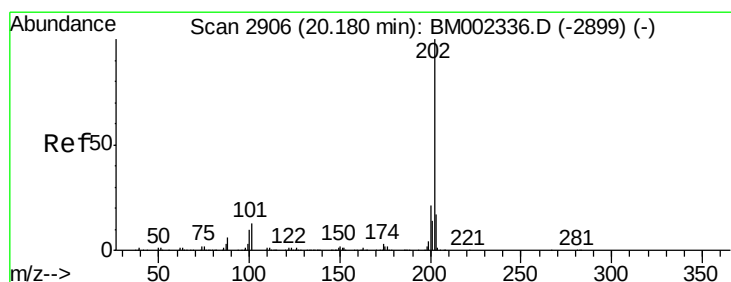
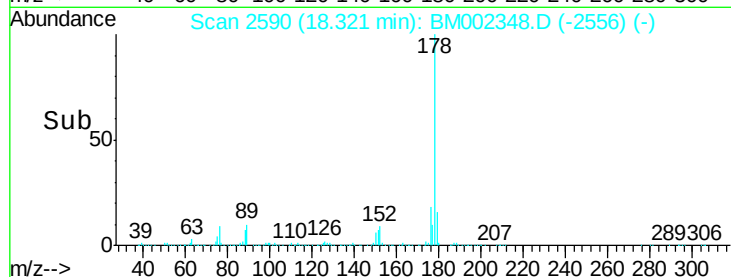
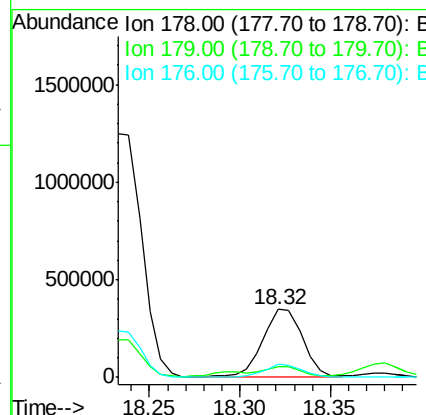
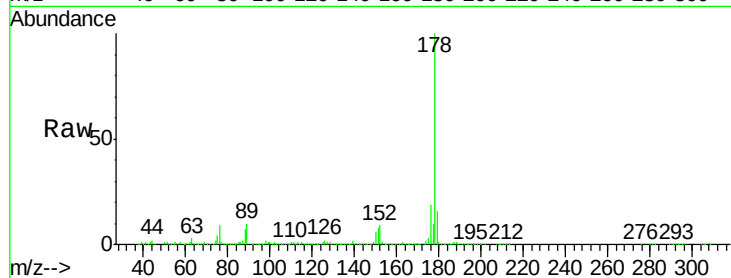




#15
 Anthracene
 Concen: 9.26 ng/ul
 RT: 18.32 min Scan# 2590
 Delta R.T. -0.00 min
 Lab File: BM002348.D
 Acq: 12 Aug 2015 06:44

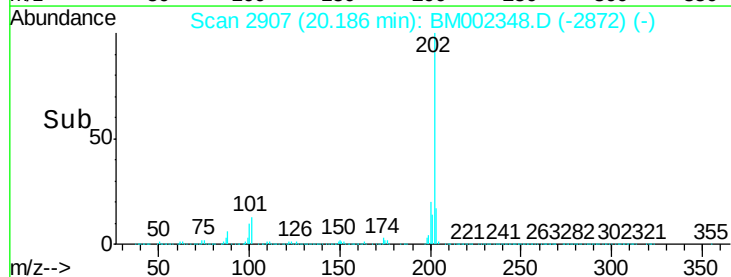
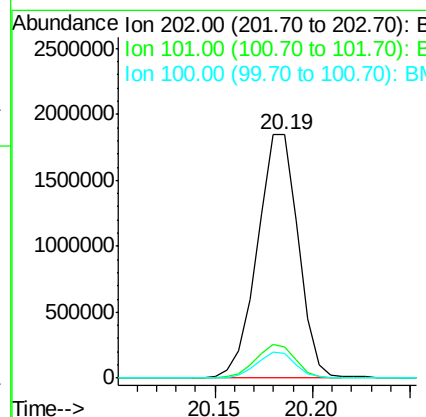
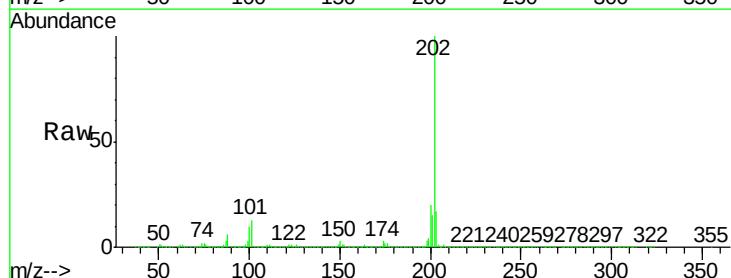
Instrument :
 BNA_M
 ClientSampleId :
 D9C84MS

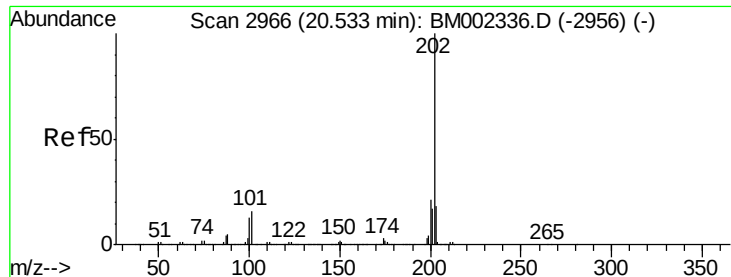
Tgt Ion:178 Resp: 537600
 Ion Ratio Lower Upper
 178 100
 179 15.9 12.3 18.5
 176 18.6 14.5 21.7



#16
 Fluoranthene
 Concen: 42.93 ng/ul
 RT: 20.19 min Scan# 2907
 Delta R.T. 0.01 min
 Lab File: BM002348.D
 Acq: 12 Aug 2015 06:44

Tgt Ion:202 Resp: 2672359
 Ion Ratio Lower Upper
 202 100
 101 13.0 10.6 15.8
 100 9.9 8.2 12.4





#19

Pyrene

Concen: 67.68 ng/ul

RT: 20.54 min Scan# 2967

Delta R.T. 0.01 min

Lab File: BM002348.D

Acq: 12 Aug 2015 06:44

Instrument :

BNA_M

ClientSampleId :

D9C84MS

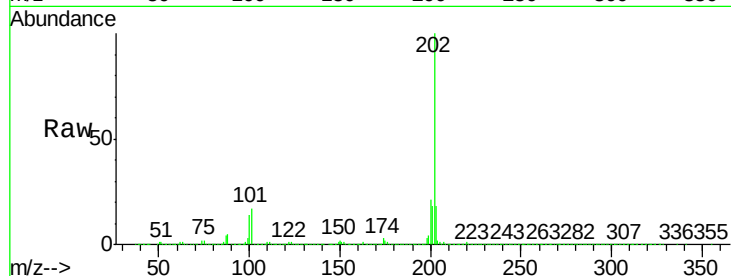
Tgt Ion:202 Resp: 2925958

Ion Ratio Lower Upper

202 100

101 16.7 13.0 19.6

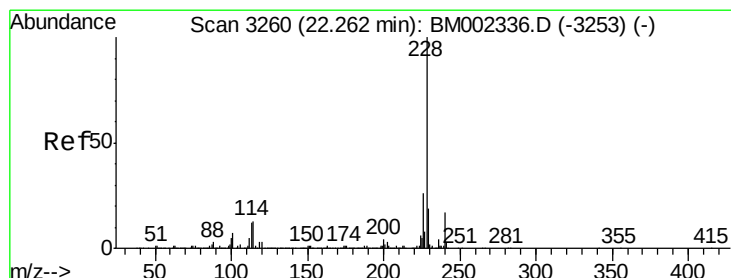
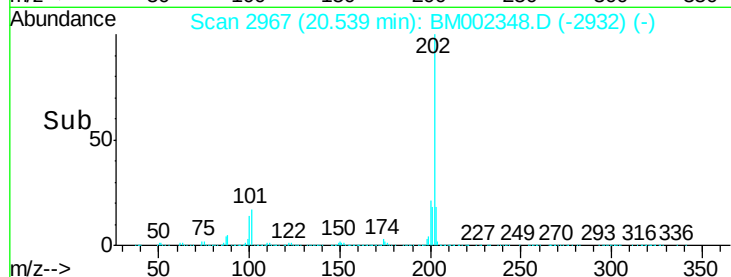
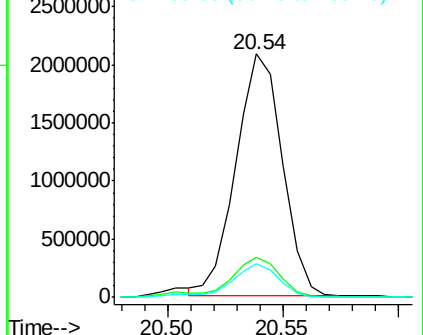
100 13.7 11.0 16.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#20

Benzo(a)anthracene

Concen: 38.35 ng/ul

RT: 22.26 min Scan# 3260

Delta R.T. -0.00 min

Lab File: BM002348.D

Acq: 12 Aug 2015 06:44

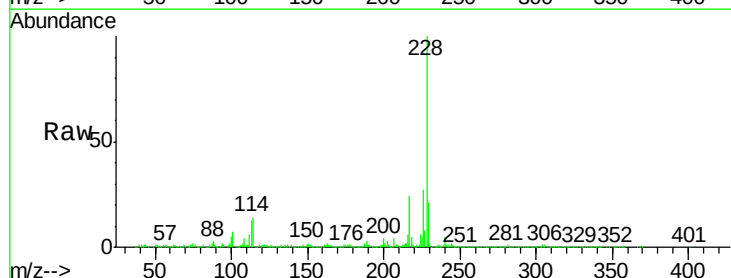
Tgt Ion:228 Resp: 1565338

Ion Ratio Lower Upper

228 100

229 21.4 15.7 23.5

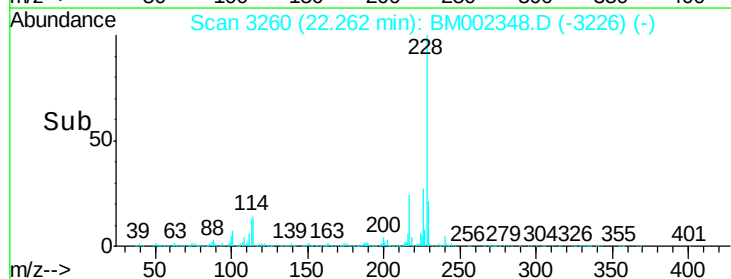
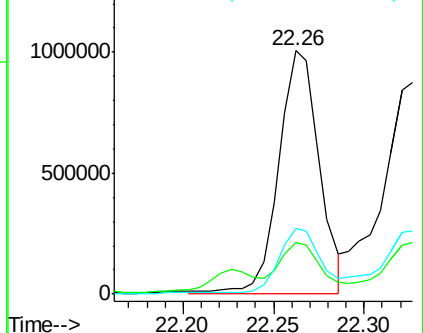
226 27.1 21.4 32.0

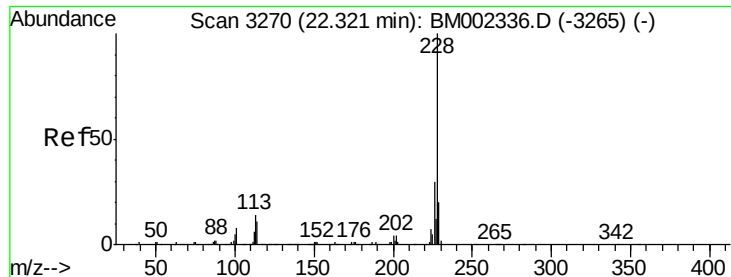


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 40.22 ng/ul

RT: 22.26 min Scan# 3260

Delta R.T. -0.06 min

Lab File: BM002348.D

Acq: 12 Aug 2015 06:44

Instrument :

BNA_M

ClientSampleId :

D9C84MS

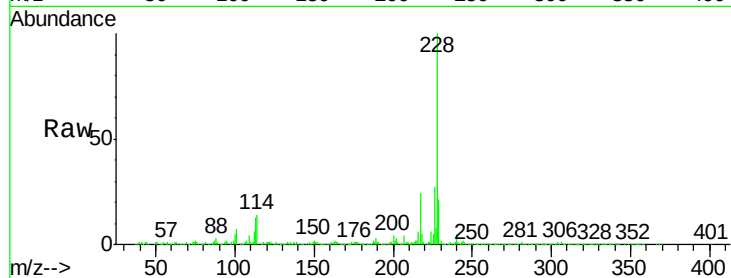
Tgt Ion:228 Resp: 1555862

Ion Ratio Lower Upper

228 100

226 27.1 23.4 35.0

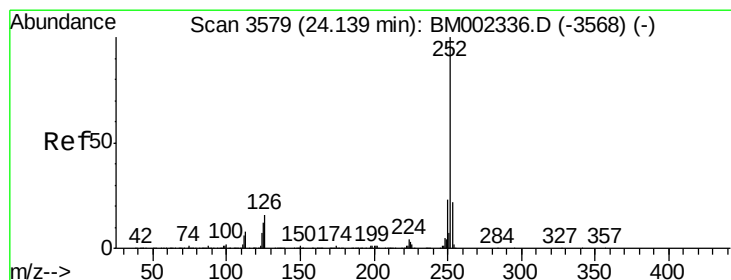
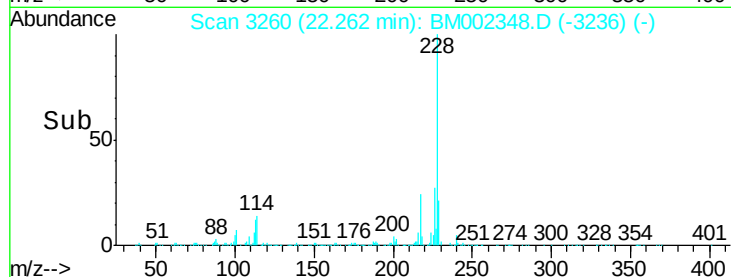
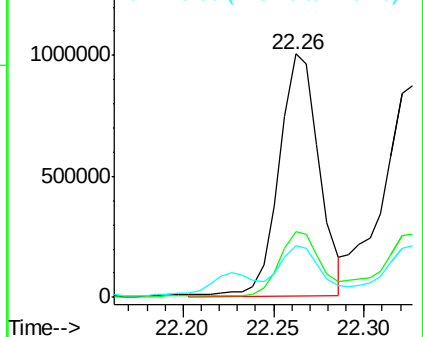
229 21.4 15.5 23.3



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: 52.93 ng/ul

RT: 24.15 min Scan# 3581

Delta R.T. 0.01 min

Lab File: BM002348.D

Acq: 12 Aug 2015 06:44

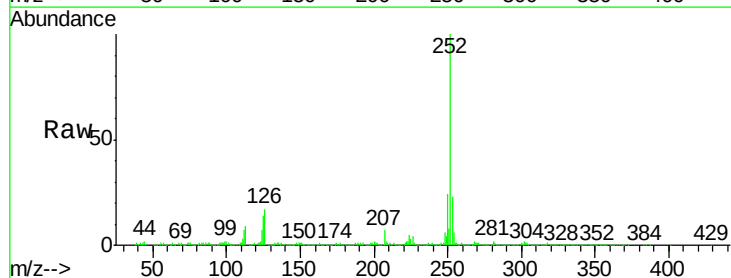
Tgt Ion:252 Resp: 2127177

Ion Ratio Lower Upper

252 100

253 23.0 17.9 26.9

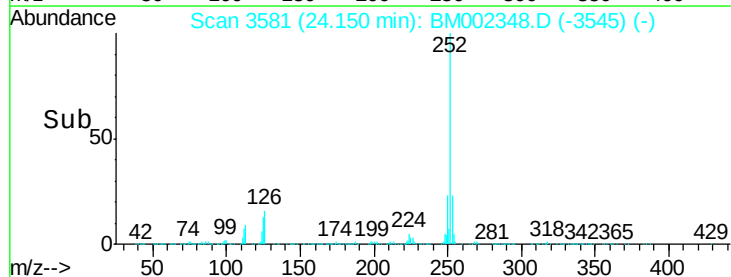
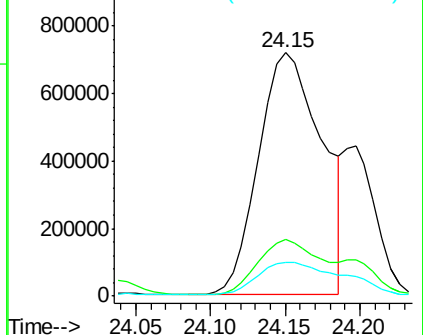
125 14.0 10.3 15.5

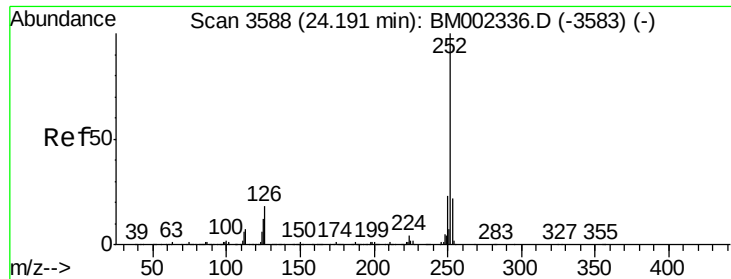


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

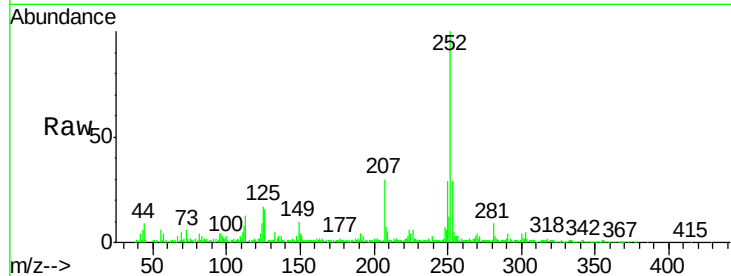




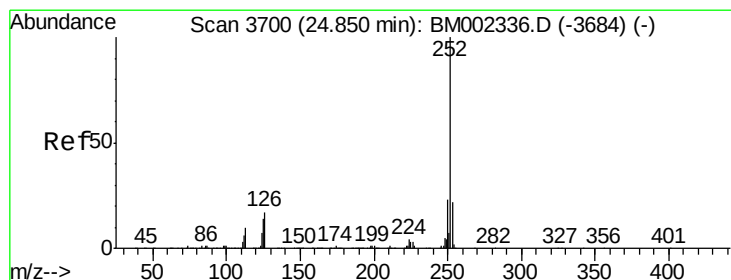
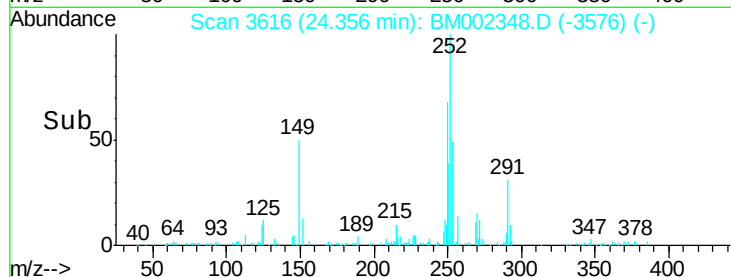
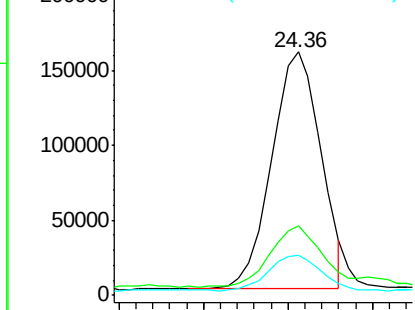
#24
Benzo(k)fluoranthene
Concen: 8.24 ng/ul
RT: 24.36 min Scan# 3616
Delta R.T. 0.16 min
Lab File: BM002348.D
Acq: 12 Aug 2015 06:44

Instrument :
BNA_M
ClientSampleId :
D9C84MS

Tgt Ion:252 Resp: 318066
Ion Ratio Lower Upper
252 100
253 28.6 17.3 25.9#
125 16.5 10.2 15.4#

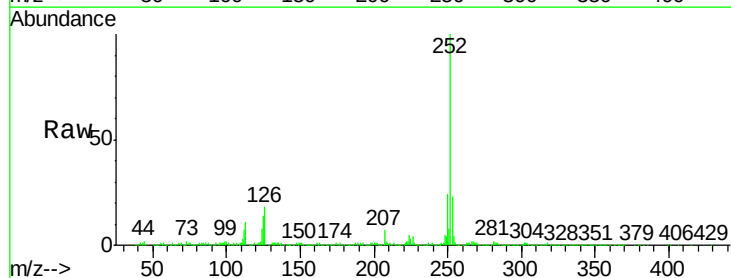


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

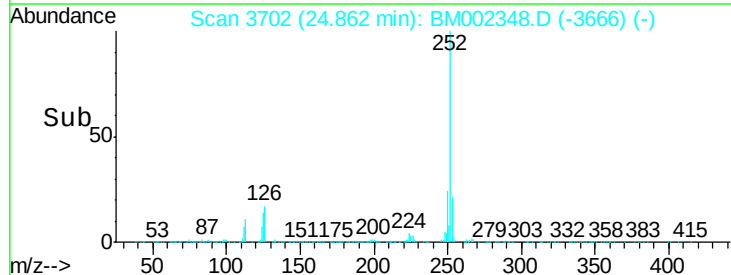
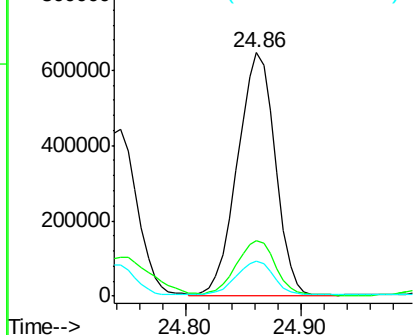


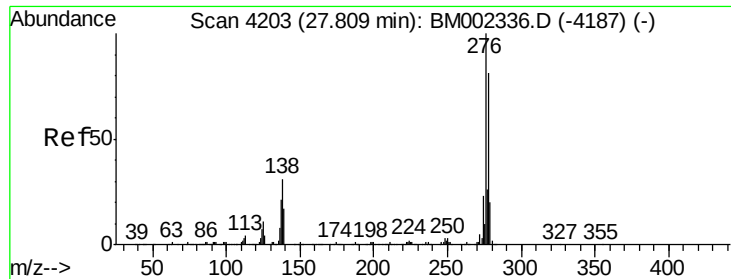
#26
Benzo(a)pyrene
Concen: 37.97 ng/ul
RT: 24.86 min Scan# 3702
Delta R.T. 0.01 min
Lab File: BM002348.D
Acq: 12 Aug 2015 06:44

Tgt Ion:252 Resp: 1460124
Ion Ratio Lower Upper
252 100
253 22.9 17.3 25.9
125 14.4 11.0 16.6



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

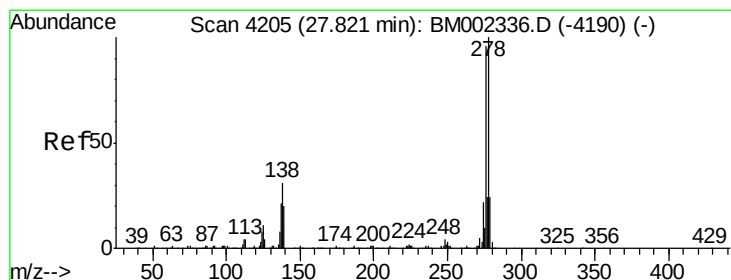
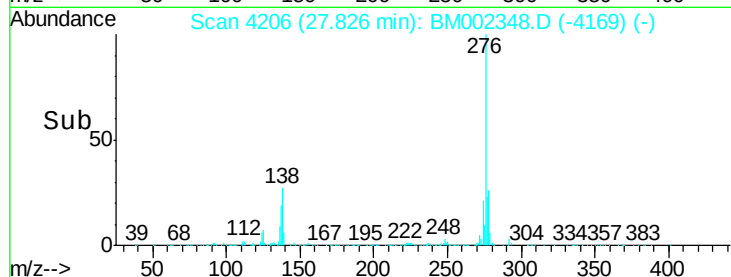
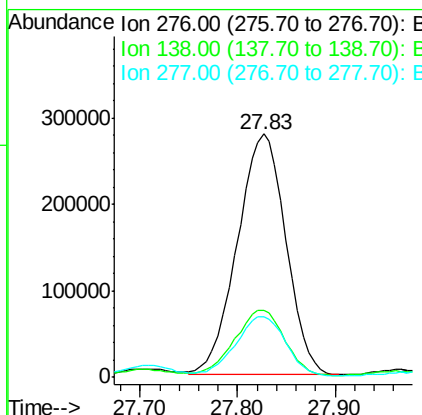
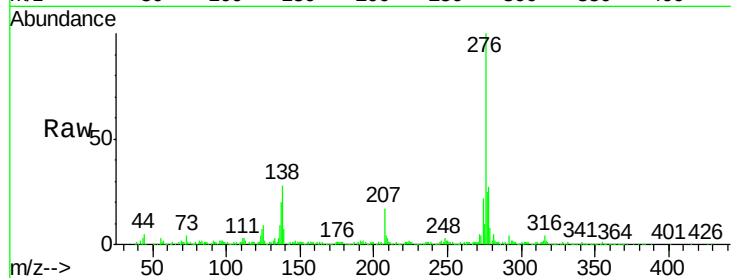




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 21.98 ng/ul
 RT: 27.83 min Scan# 4206
 Delta R.T. 0.02 min
 Lab File: BM002348.D
 Acq: 12 Aug 2015 06:44

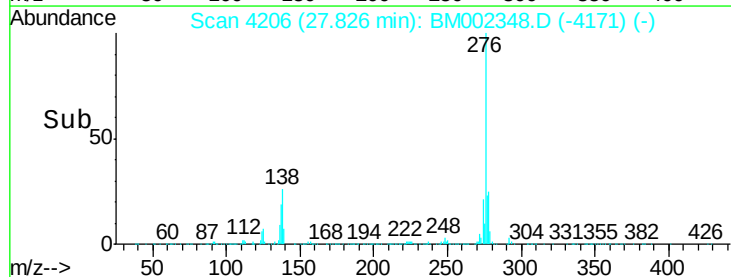
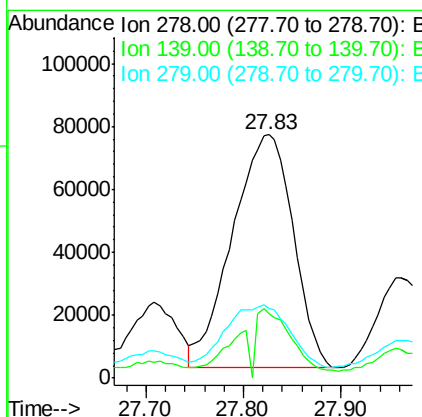
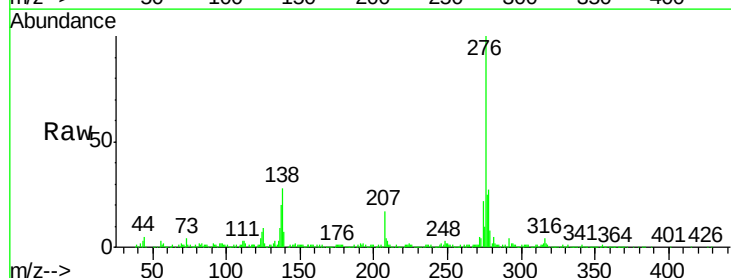
Instrument :
 BNA_M
 ClientSampleId :
 D9C84MS

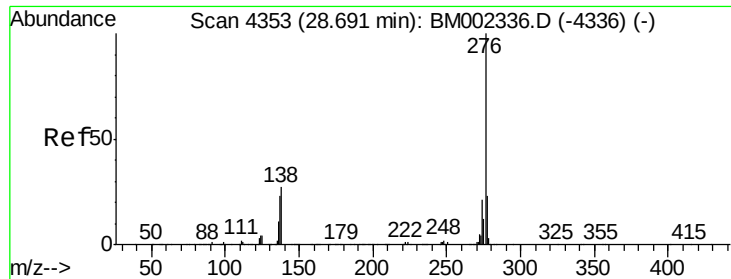
Tgt Ion:276 Resp: 969109
 Ion Ratio Lower Upper
 276 100
 138 27.5 25.6 38.4
 277 24.8 21.0 31.4



#28
 Dibenzo(a,h)anthracene
 Concen: 8.66 ng/ul
 RT: 27.83 min Scan# 4206
 Delta R.T. 0.01 min
 Lab File: BM002348.D
 Acq: 12 Aug 2015 06:44

Tgt Ion:278 Resp: 323376
 Ion Ratio Lower Upper
 278 100
 139 26.2 16.4 24.6#
 279 28.5 18.8 28.2#





#29

Benzo(g,h,i)perylene

Concen: 23.09 ng/ul

RT: 28.71 min Scan# 4357

Delta R.T. 0.02 min

Lab File: BM002348.D

Acq: 12 Aug 2015 06:44

Instrument :

BNA_M

ClientSampleId :

D9C84MS

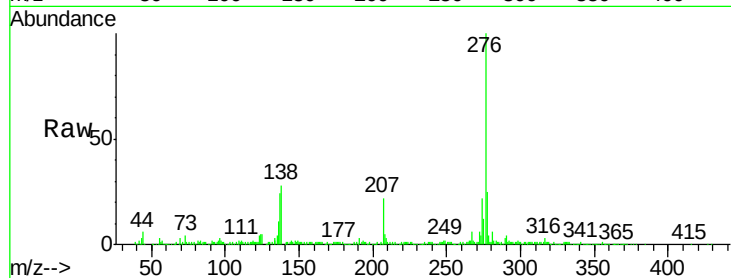
Tgt Ion: 276 Resp: 858775

Ion Ratio Lower Upper

276 100

138 27.6 20.5 30.7

277 25.0 19.0 28.6



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

