

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081215\
 Data File : BM002350.D
 Acq On : 12 Aug 2015 07:56
 Operator : UM/IZ
 Sample : G3162-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9C85

Quant Time: Aug 12 08:32:01 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	225765	20.00	ng/ul	0.00
2) Naphthalene-d8	11.77	136	1057754	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.49	164	556699	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.19	188	1053820	20.00	ng/ul	0.00
17) Chrysene-d12	22.28	240	733594	20.00	ng/ul	0.00
22) Perylene-d12	24.97	264	675405	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.19	160	1550240	26.88	ng/ul	0.00
10) Fluorene-d10	16.46	176	995090	24.81	ng/ul	0.00
14) Anthracene-d10	18.29	188	1340227	26.21	ng/ul	0.00
18) Pyrene-d10	20.51	212	1100068	30.92	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.80	264	813162	22.67	ng/ul	0.00

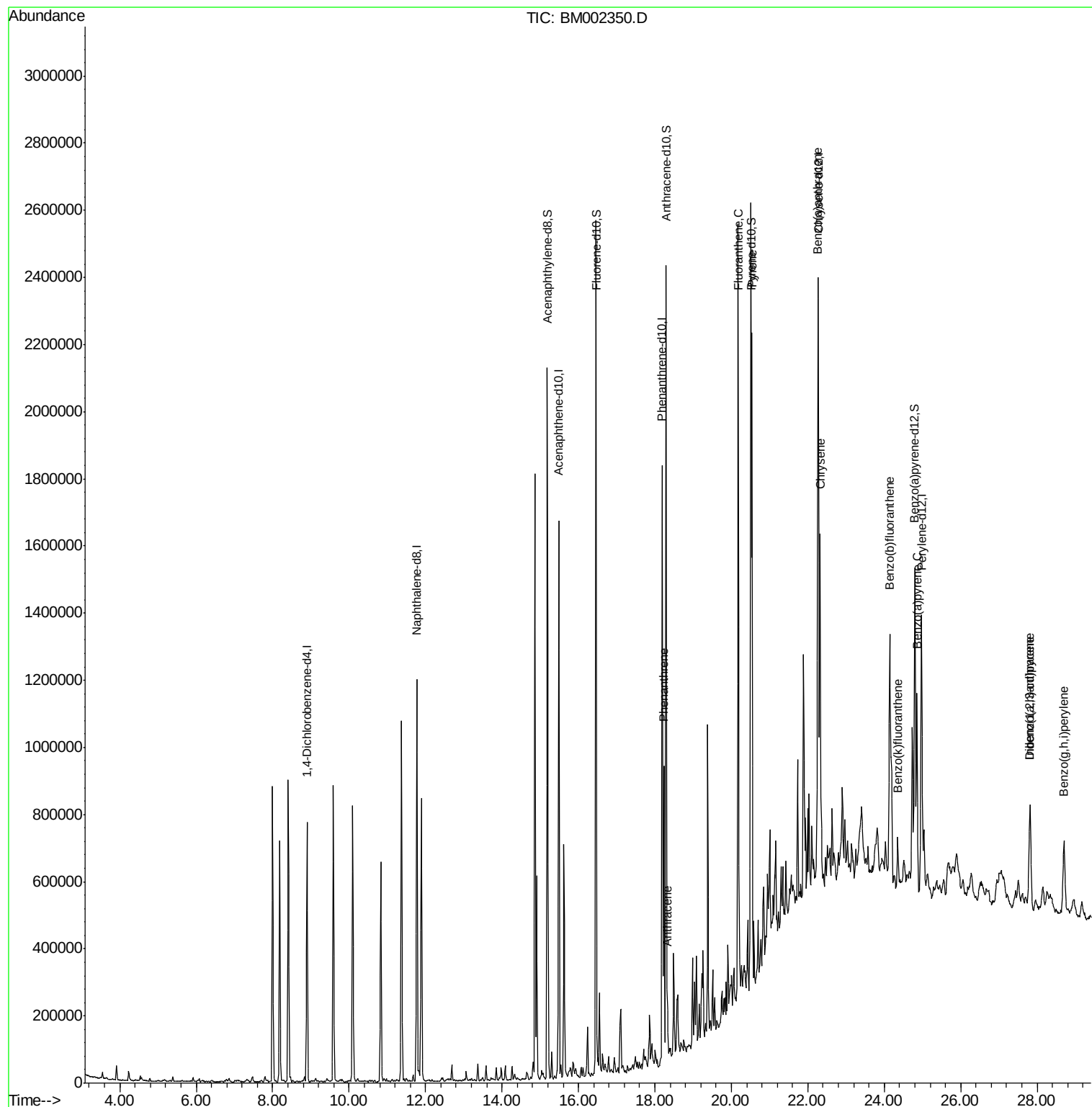
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Phenanthrene	18.23	178	540746	8.92	ng/ul	99
15) Anthracene	18.33	178	123959	1.98	ng/ul	99
16) Fluoranthene	20.18	202	1381828	20.58	ng/ul	99
19) Pyrene	20.54	202	1098383	23.16	ng/ul	97
20) Benzo(a)anthracene	22.26	228	703128	15.70	ng/ul	99
21) Chrysene	22.32	228	635634	14.98	ng/ul	97
23) Benzo(b)fluoranthene	24.14	252	774315	18.45	ng/ul	99
24) Benzo(k)fluoranthene	24.36	252	102938	2.55	ng/ul#	88
26) Benzo(a)pyrene	24.86	252	484020	12.05	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	27.81	276	322166	7.00	ng/ul	95
28) Dibenzo(a,h)anthracene	27.81	278	95250	2.44	ng/ul#	73
29) Benzo(g,h,i)perylene	28.70	276	307767	7.92	ng/ul	99

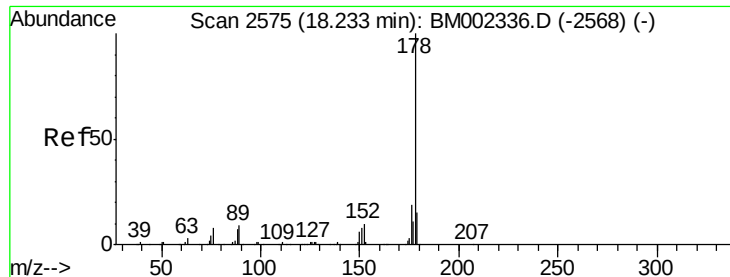
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Phenanthrene

Concen: 8.92 ng/ul

RT: 18.23 min Scan# 2575

Delta R.T. -0.00 min

Lab File: BM002350.D

Acq: 12 Aug 2015 07:56

Instrument :

BNA_M

ClientSampleId :

D9C85

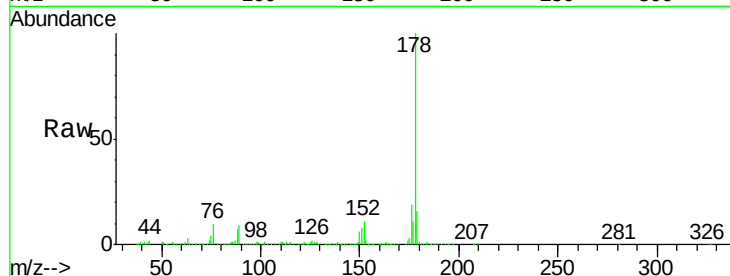
Tgt Ion:178 Resp: 540746

Ion Ratio Lower Upper

178 100

179 15.6 12.3 18.5

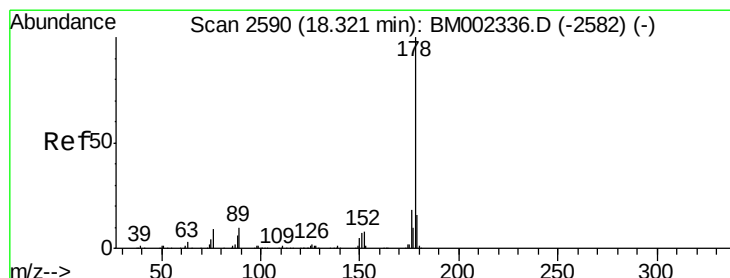
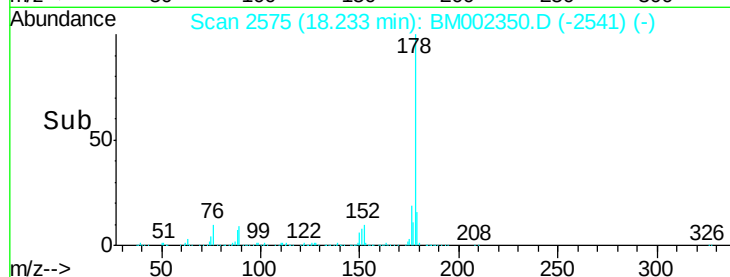
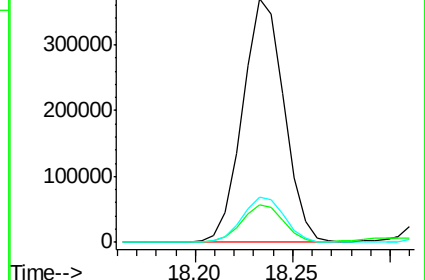
176 18.5 15.3 22.9



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#15

Anthracene

Concen: 1.98 ng/ul

RT: 18.33 min Scan# 2591

Delta R.T. 0.01 min

Lab File: BM002350.D

Acq: 12 Aug 2015 07:56

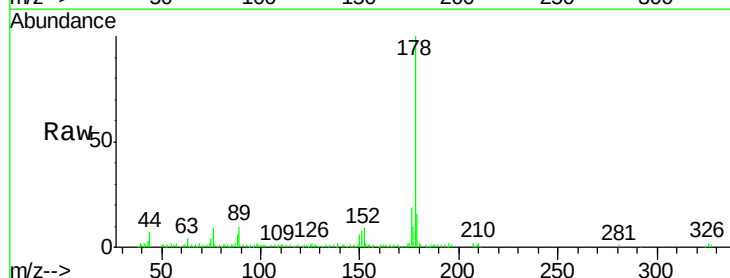
Tgt Ion:178 Resp: 123959

Ion Ratio Lower Upper

178 100

179 15.7 12.3 18.5

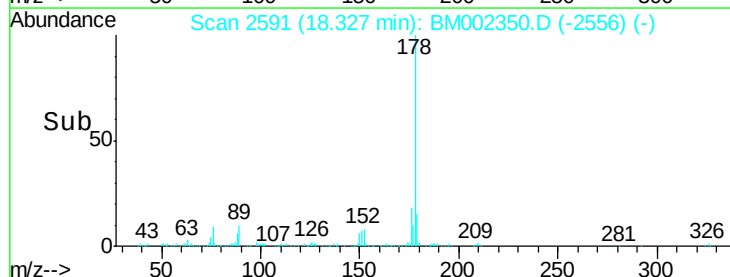
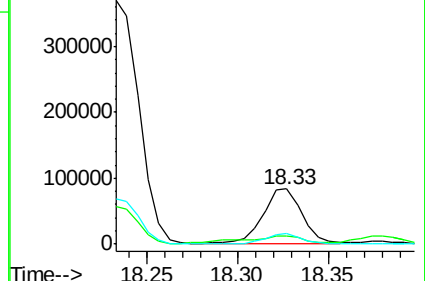
176 18.8 14.5 21.7

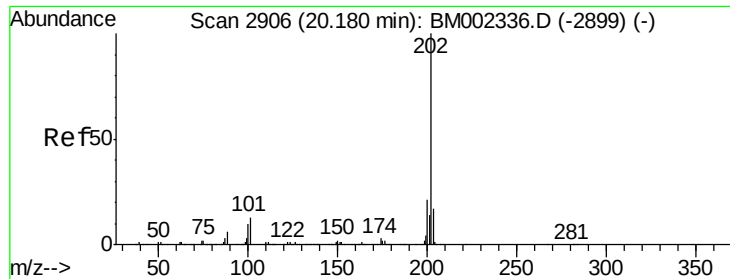


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

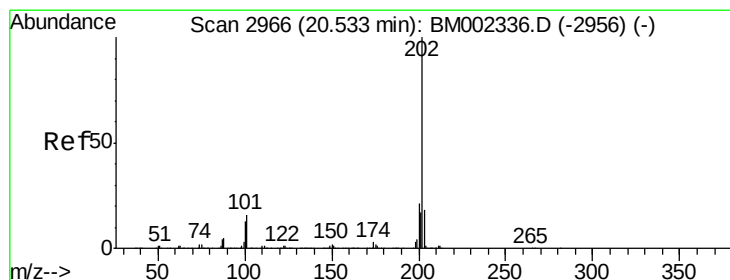
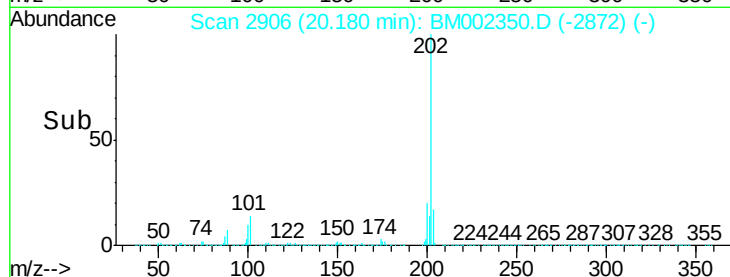
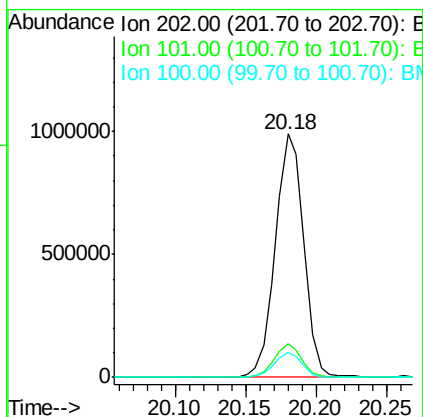
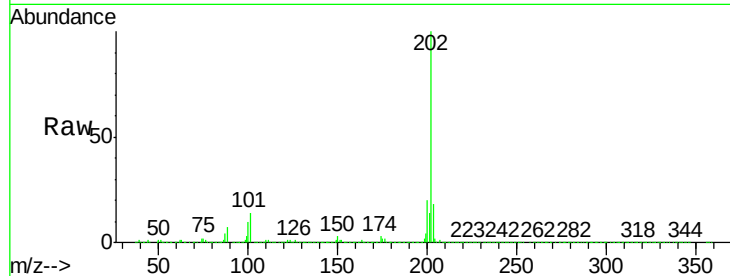




#16
Fluoranthene
Concen: 20.58 ng/ul
RT: 20.18 min Scan# 2906
Delta R.T. -0.00 min
Lab File: BM002350.D
Acq: 12 Aug 2015 07:56

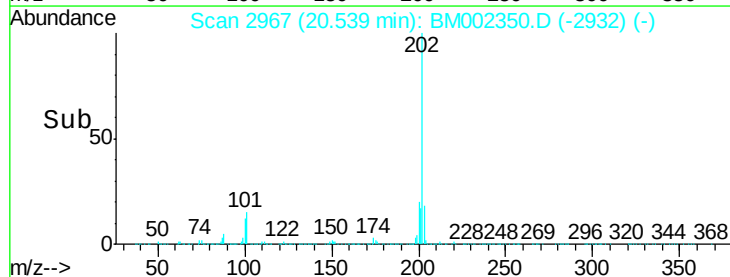
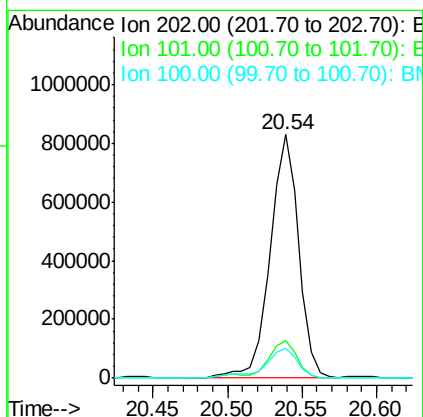
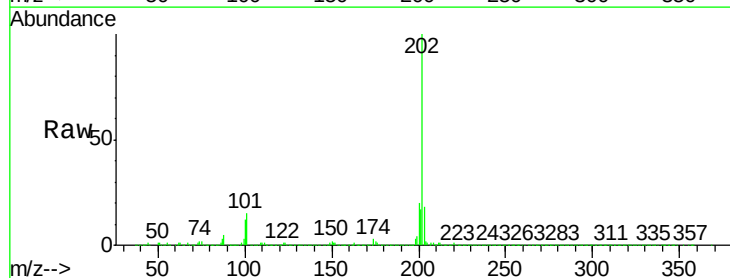
Instrument :
BNA_M
ClientSampleId :
D9C85

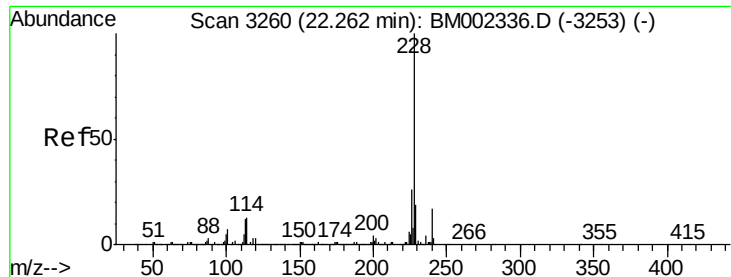
Tgt Ion:202 Resp: 1381828
Ion Ratio Lower Upper
202 100
101 13.8 10.6 15.8
100 10.3 8.2 12.4



#19
Pyrene
Concen: 23.16 ng/ul
RT: 20.54 min Scan# 2967
Delta R.T. 0.01 min
Lab File: BM002350.D
Acq: 12 Aug 2015 07:56

Tgt Ion:202 Resp: 1098383
Ion Ratio Lower Upper
202 100
101 15.4 13.0 19.6
100 12.3 11.0 16.4





#20

Benzo(a)anthracene

Concen: 15.70 ng/ul

RT: 22.26 min Scan# 3260

Delta R.T. -0.00 min

Lab File: BM002350.D

Acq: 12 Aug 2015 07:56

Instrument :

BNA_M

ClientSampleId :

D9C85

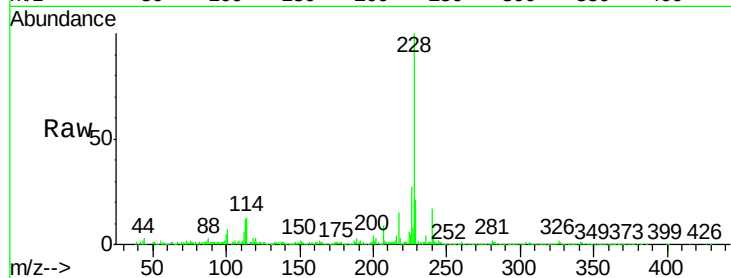
Tgt Ion:228 Resp: 703128

Ion Ratio Lower Upper

228 100

229 20.7 15.7 23.5

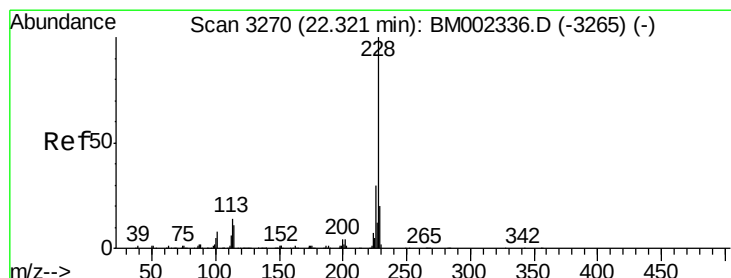
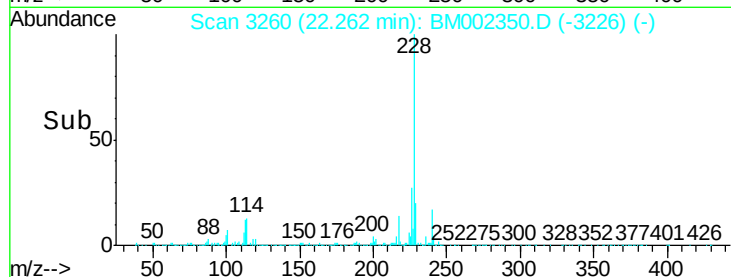
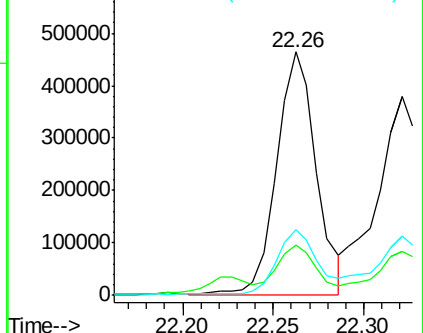
226 27.0 21.4 32.0



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: 14.98 ng/ul

RT: 22.32 min Scan# 3270

Delta R.T. -0.00 min

Lab File: BM002350.D

Acq: 12 Aug 2015 07:56

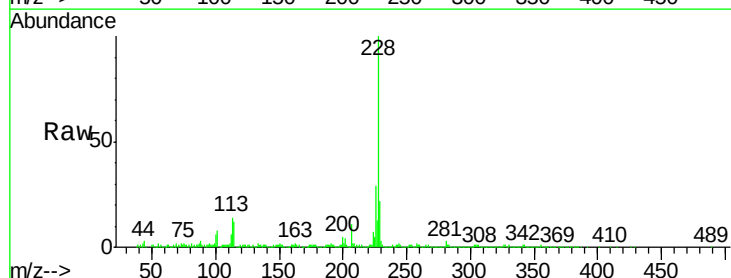
Tgt Ion:228 Resp: 635634

Ion Ratio Lower Upper

228 100

226 29.4 23.4 35.0

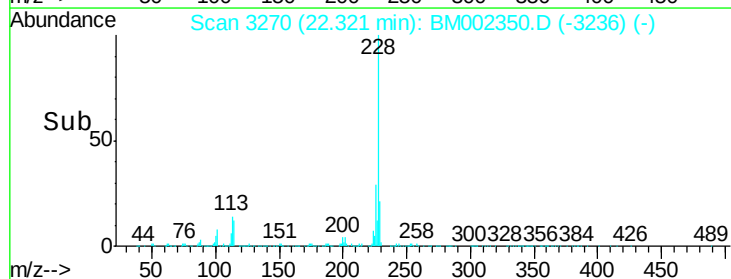
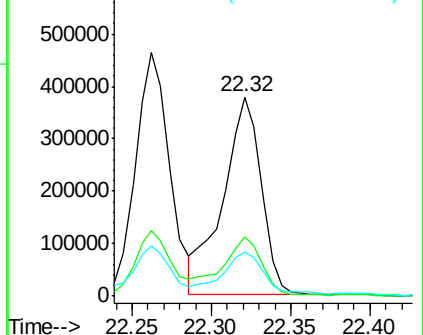
229 22.2 15.5 23.3

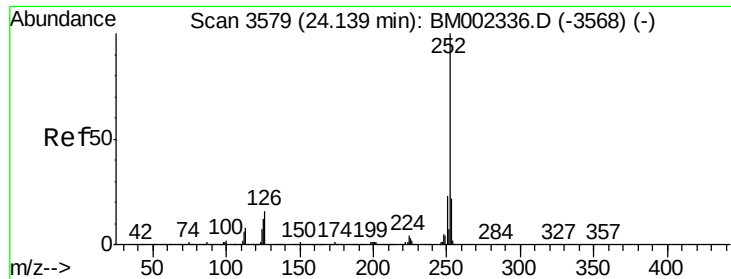


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 18.45 ng/ul

RT: 24.14 min Scan# 3580

Delta R.T. 0.01 min

Lab File: BM002350.D

Acq: 12 Aug 2015 07:56

Instrument :

BNA_M

ClientSampleId :

D9C85

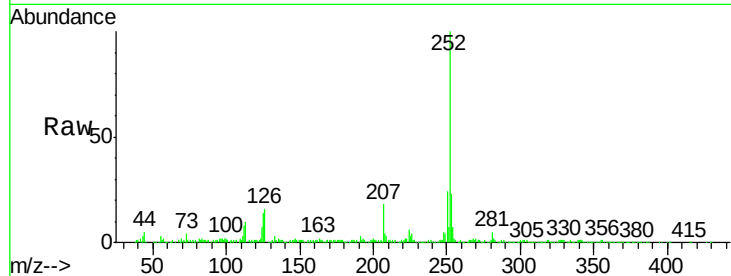
Tgt Ion:252 Resp: 774315

Ion Ratio Lower Upper

252 100

253 23.0 17.9 26.9

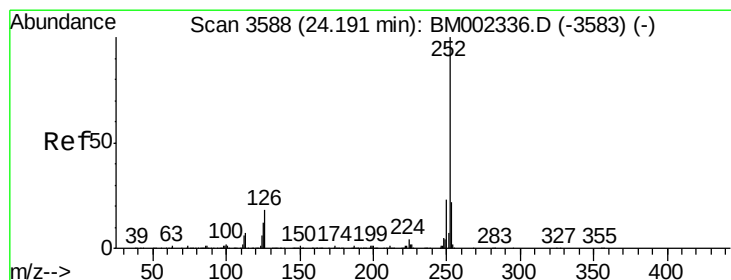
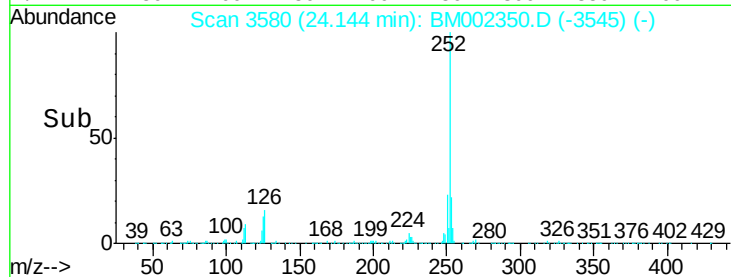
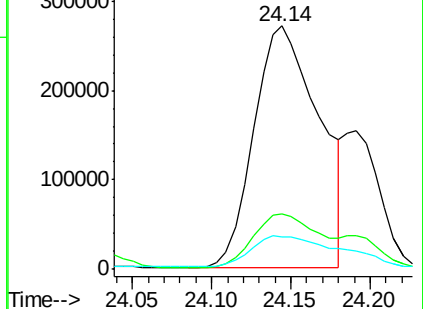
125 13.6 10.3 15.5



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: 2.55 ng/ul

RT: 24.36 min Scan# 3616

Delta R.T. 0.16 min

Lab File: BM002350.D

Acq: 12 Aug 2015 07:56

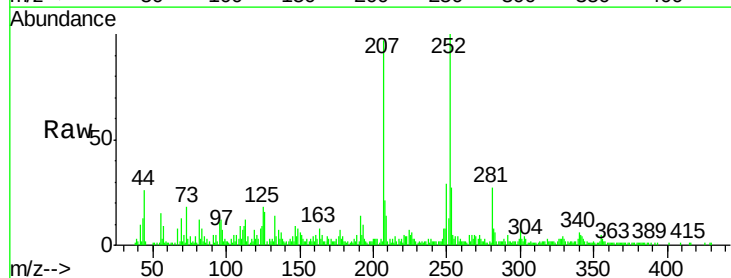
Tgt Ion:252 Resp: 102938

Ion Ratio Lower Upper

252 100

253 26.5 17.3 25.9#

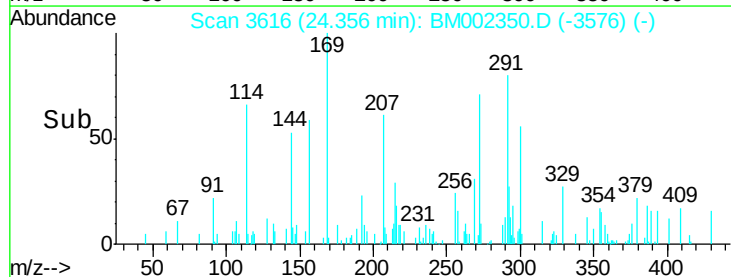
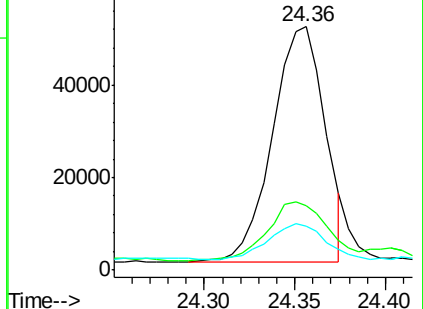
125 18.3 10.2 15.4#

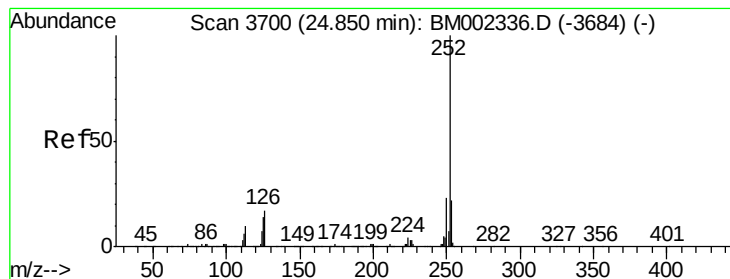


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 12.05 ng/ul

RT: 24.86 min Scan# 3701

Delta R.T. 0.01 min

Lab File: BM002350.D

Acq: 12 Aug 2015 07:56

Instrument :

BNA_M

ClientSampleId :

D9C85

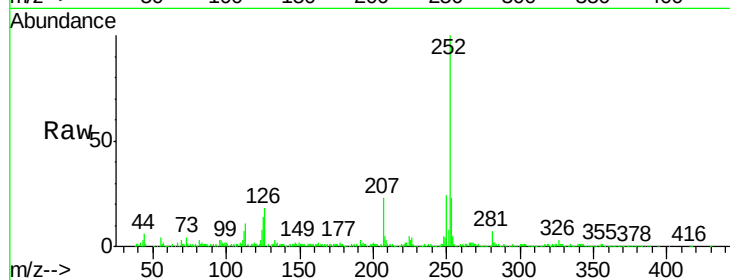
Tgt Ion: 252 Resp: 484020

Ion Ratio Lower Upper

252 100

253 23.1 17.3 25.9

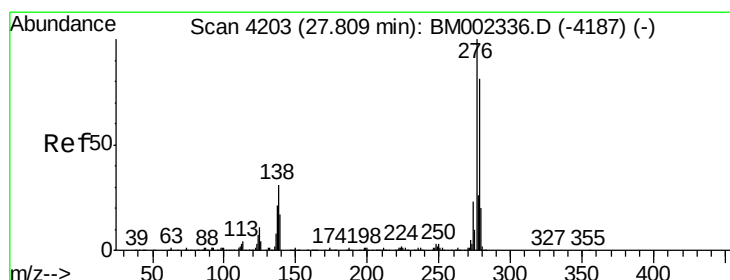
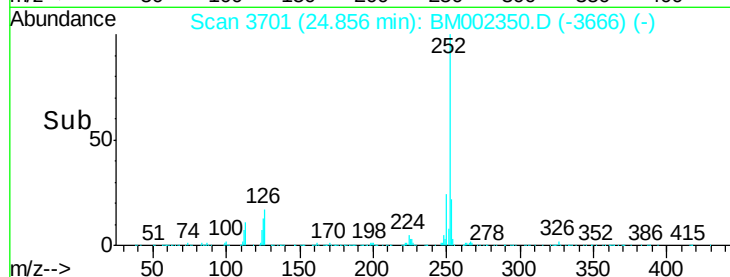
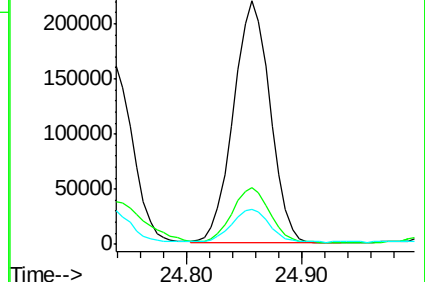
125 14.3 11.0 16.6



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: 7.00 ng/ul

RT: 27.81 min Scan# 4204

Delta R.T. 0.01 min

Lab File: BM002350.D

Acq: 12 Aug 2015 07:56

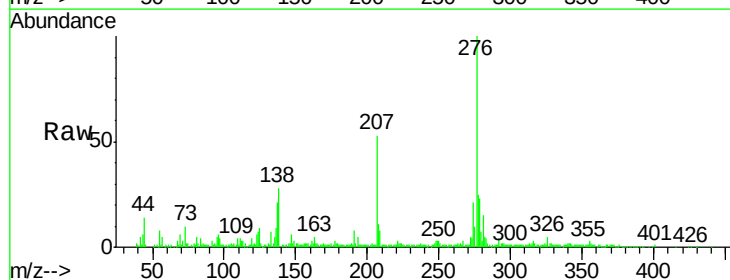
Tgt Ion: 276 Resp: 322166

Ion Ratio Lower Upper

276 100

138 28.2 25.6 38.4

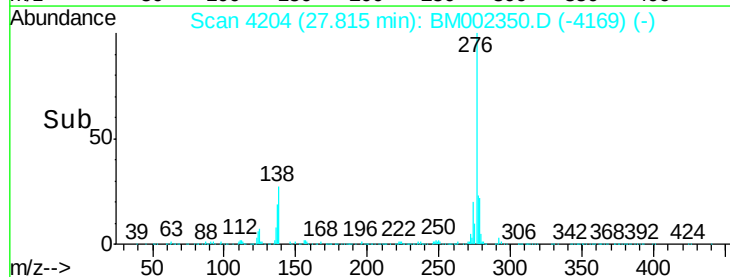
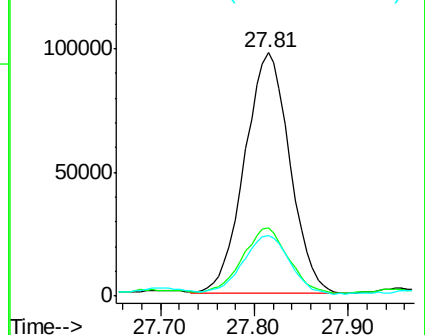
277 24.8 21.0 31.4

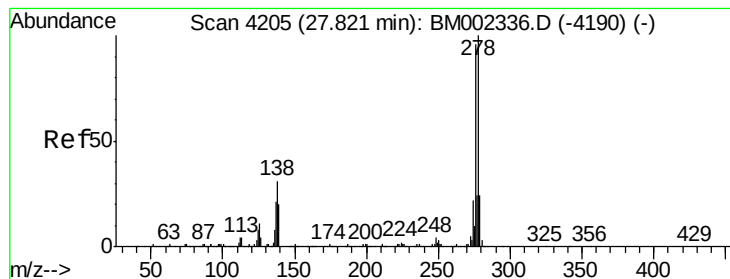


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 2.44 ng/ul

RT: 27.81 min Scan# 4204

Delta R.T. -0.01 min

Lab File: BM002350.D

Acq: 12 Aug 2015 07:56

Instrument :

BNA_M

ClientSampleId :

D9C85

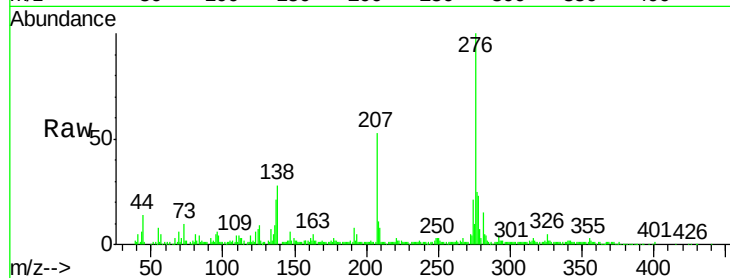
Tgt Ion:278 Resp: 95250

Ion Ratio Lower Upper

278 100

139 0.0 16.4 24.6#

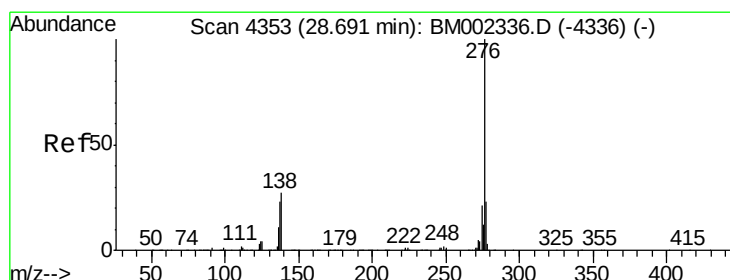
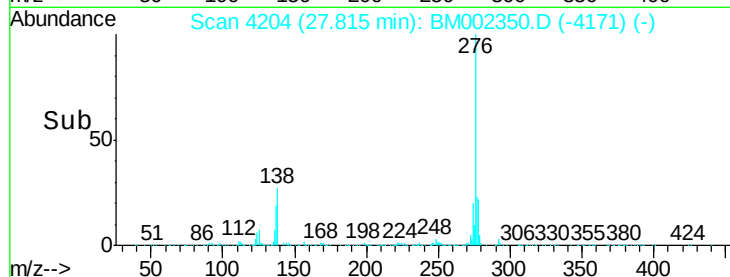
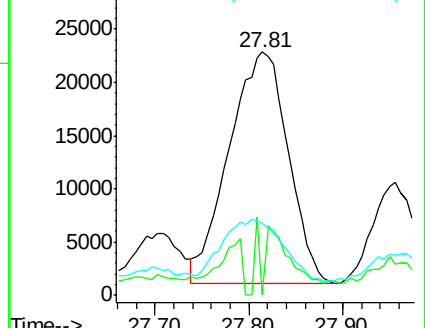
279 29.7 18.8 28.2#



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



#29

Benzo(g,h,i)perylene

Concen: 7.92 ng/ul

RT: 28.70 min Scan# 4355

Delta R.T. 0.01 min

Lab File: BM002350.D

Acq: 12 Aug 2015 07:56

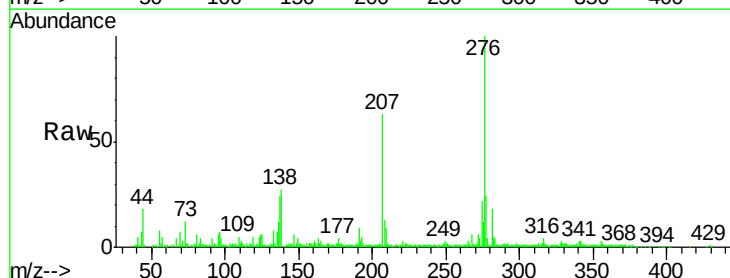
Tgt Ion:276 Resp: 307767

Ion Ratio Lower Upper

276 100

138 26.6 20.5 30.7

277 23.8 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

