

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081215\
 Data File : BM002343.D
 Acq On : 12 Aug 2015 03:43
 Operator : UM/IZ
 Sample : G3162-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9C75

Quant Time: Aug 12 04:52:11 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	214323	20.00	ng/ul	0.00
2) Naphthalene-d8	11.77	136	1011145	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.48	164	521179	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.19	188	1029027	20.00	ng/ul	0.00
17) Chrysene-d12	22.27	240	749115	20.00	ng/ul	0.00
22) Perylene-d12	24.97	264	638168	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.19	160	866434	16.05	ng/ul	0.00
10) Fluorene-d10	16.45	176	576034	15.34	ng/ul	0.00
14) Anthracene-d10	18.29	188	787198	15.77	ng/ul	0.00
18) Pyrene-d10	20.50	212	714094	19.65	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.79	264	478768	14.13	ng/ul	0.00

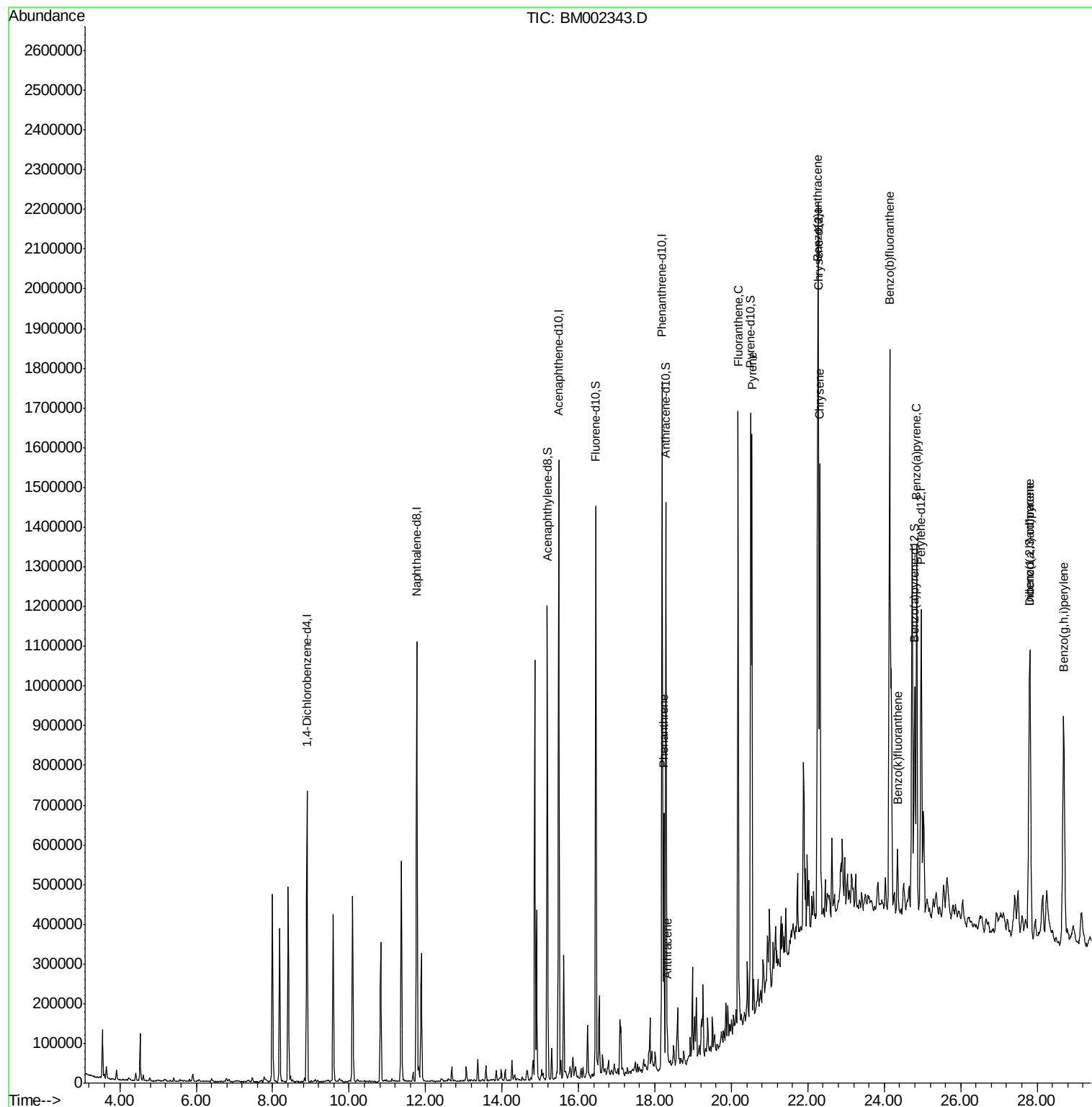
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Phenanthrene	18.23	178	387403	6.54	ng/ul	99
15) Anthracene	18.32	178	64946	1.06	ng/ul	98
16) Fluoranthene	20.17	202	923617	14.08	ng/ul	100
19) Pyrene	20.53	202	813679	16.80	ng/ul	98
20) Benzo(a)anthracene	22.26	228	620647	13.57	ng/ul	99
21) Chrysene	22.32	228	748469	17.27	ng/ul	98
23) Benzo(b)fluoranthene	24.14	252	1407361	35.48	ng/ul	100
24) Benzo(k)fluoranthene	24.34	252	111308	2.92	ng/ul#	89
26) Benzo(a)pyrene	24.85	252	771404	20.32	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	27.81	276	798521	18.35	ng/ul	94
28) Dibenzo(a,h)anthracene	27.81	278	223731	6.07	ng/ul#	79
29) Benzo(g,h,i)perylene	28.69	276	770282	20.99	ng/ul	98

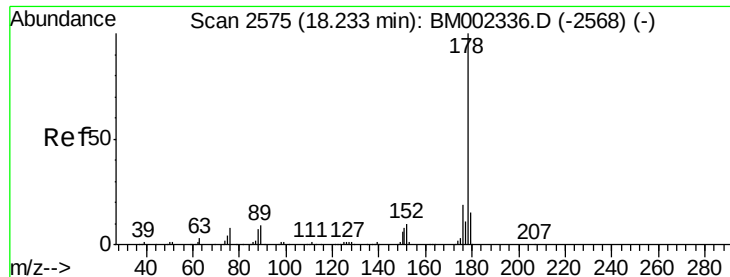
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Phenanthrene

Concen: 6.54 ng/ul

RT: 18.23 min Scan# 2575

Delta R.T. 0.00 min

Lab File: BM002343.D

Acq: 12 Aug 2015 03:43

Instrument :

BNA_M

ClientSampleId :

D9C75

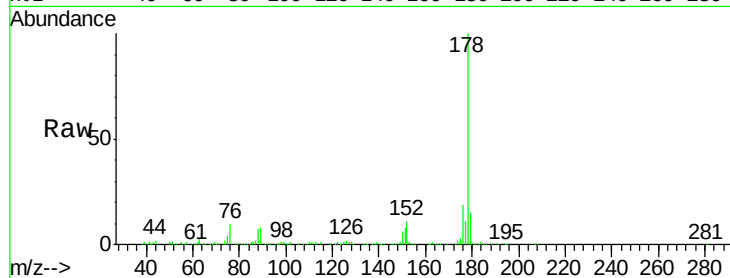
Tgt Ion:178 Resp: 387403

Ion Ratio Lower Upper

178 100

179 14.8 12.3 18.5

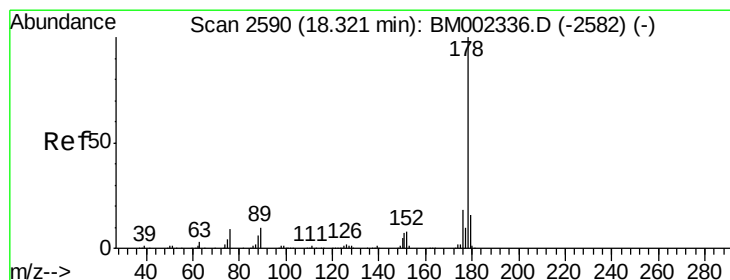
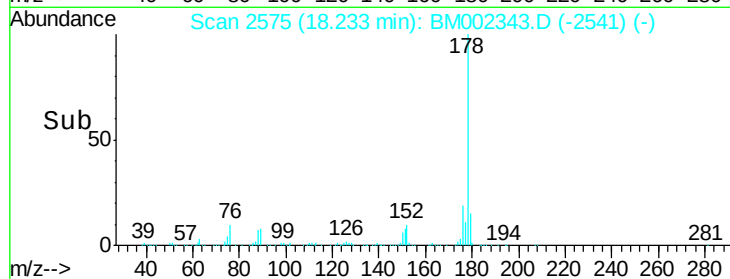
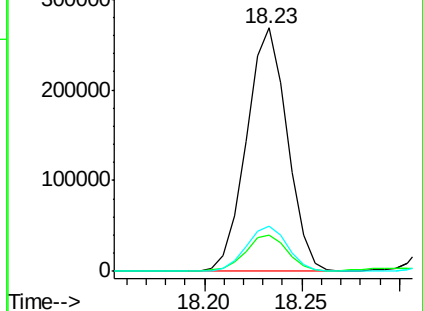
176 18.7 15.3 22.9



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: 1.06 ng/ul

RT: 18.32 min Scan# 2590

Delta R.T. 0.00 min

Lab File: BM002343.D

Acq: 12 Aug 2015 03:43

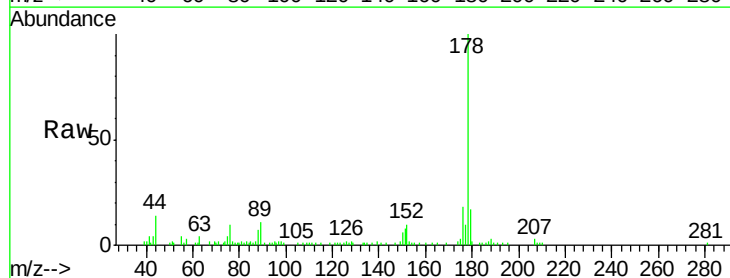
Tgt Ion:178 Resp: 64946

Ion Ratio Lower Upper

178 100

179 16.6 12.3 18.5

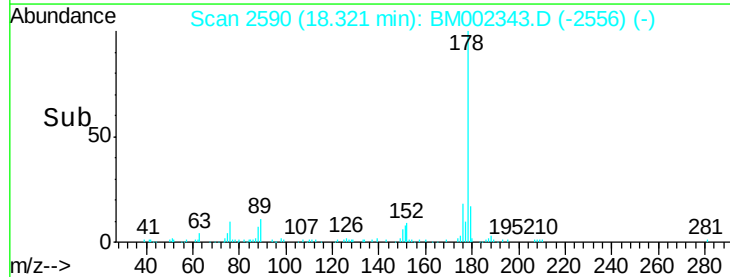
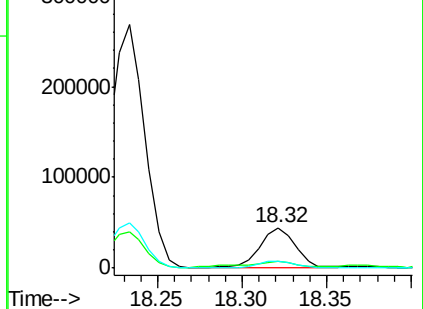
176 18.3 14.5 21.7

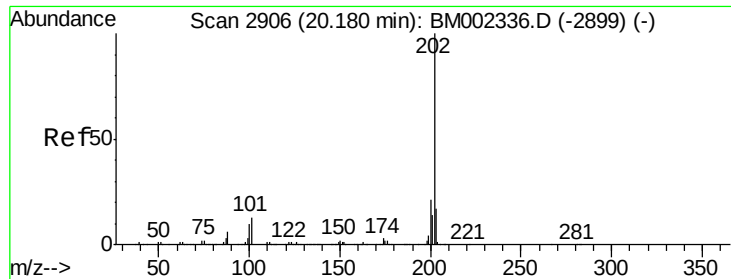


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

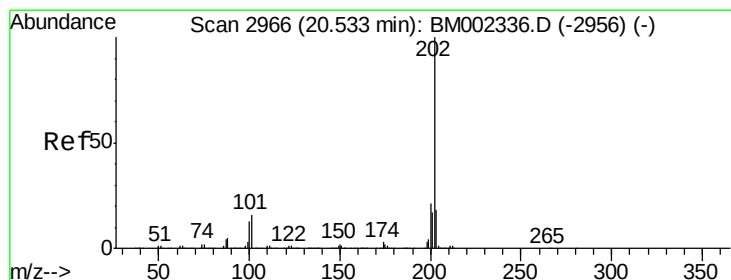
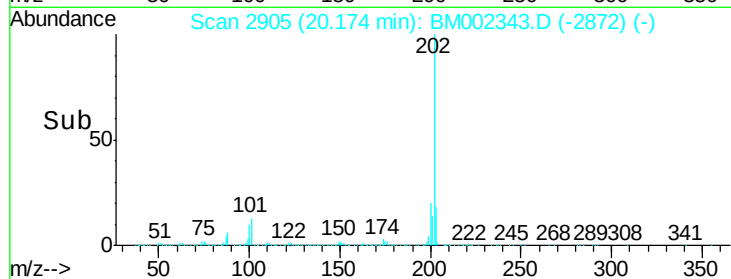
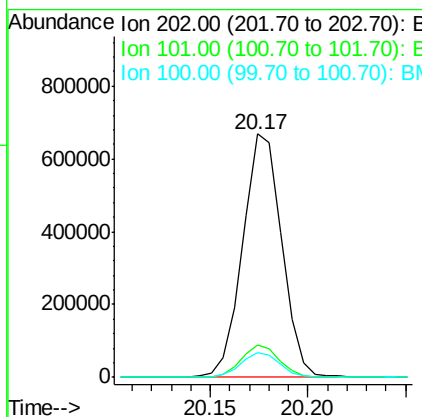
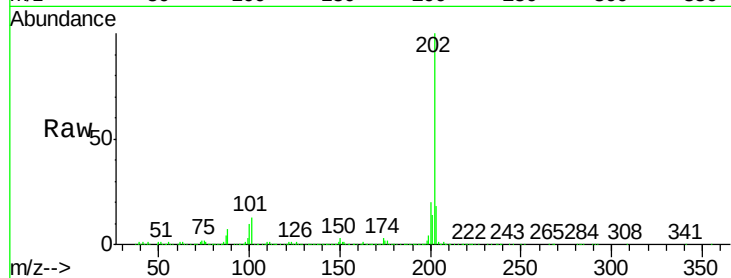




#16
Fluoranthene
Concen: 14.08 ng/ul
RT: 20.17 min Scan# 2905
Delta R.T. -0.01 min
Lab File: BM002343.D
Acq: 12 Aug 2015 03:43

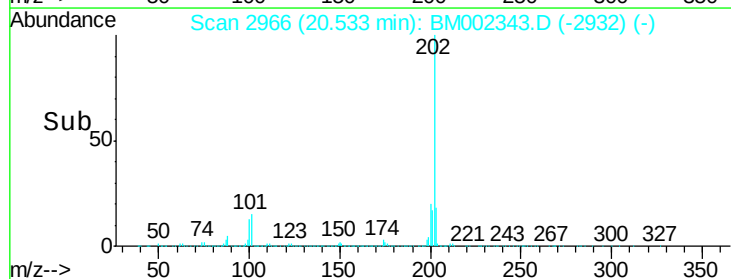
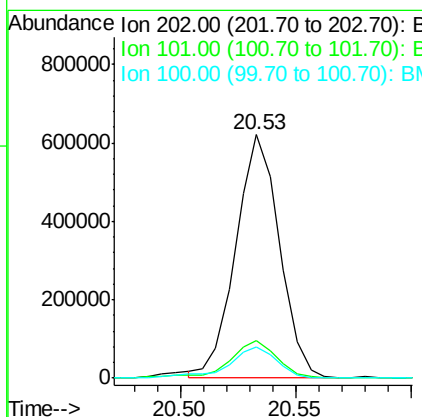
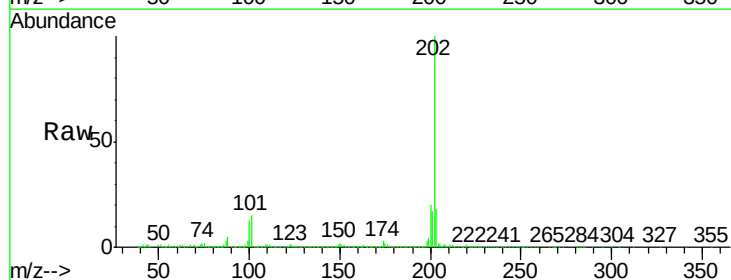
Instrument :
BNA_M
ClientSampleId :
D9C75

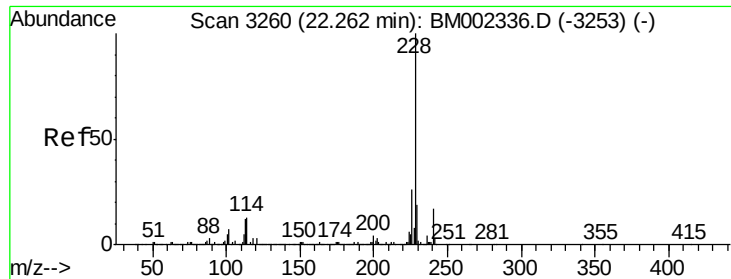
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	10.6	15.8
100	10.4	8.2	12.4



#19
Pyrene
Concen: 16.80 ng/ul
RT: 20.53 min Scan# 2966
Delta R.T. 0.00 min
Lab File: BM002343.D
Acq: 12 Aug 2015 03:43

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.4	13.0	19.6
100	12.6	11.0	16.4





#20

Benzo(a)anthracene

Concen: 13.57 ng/ul

RT: 22.26 min Scan# 3259

Delta R.T. -0.01 min

Lab File: BM002343.D

Acq: 12 Aug 2015 03:43

Instrument :

BNA_M

ClientSampleId :

D9C75

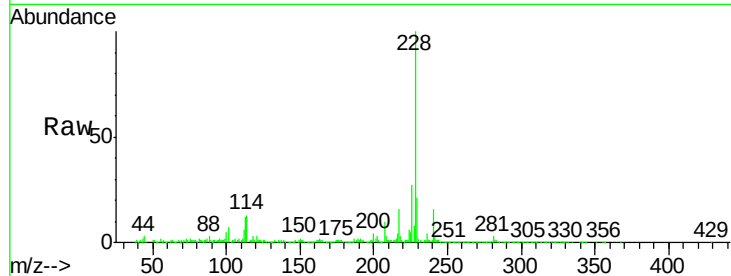
Tgt Ion:228 Resp: 620647

Ion Ratio Lower Upper

228 100

229 20.6 15.7 23.5

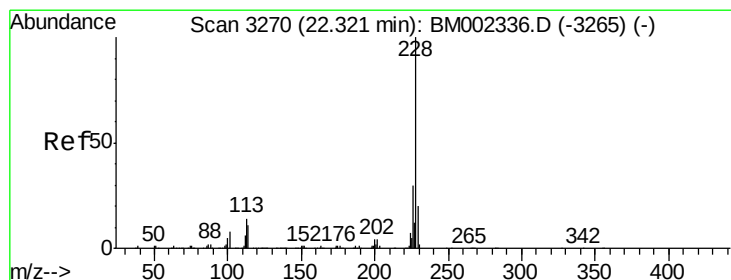
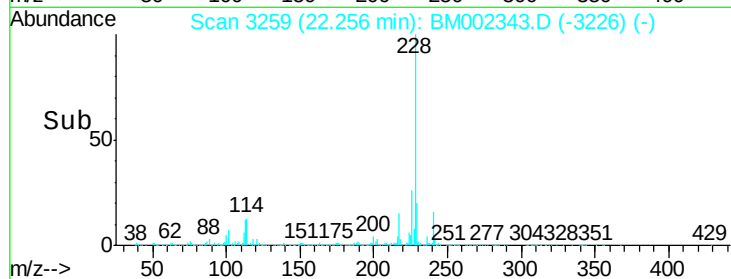
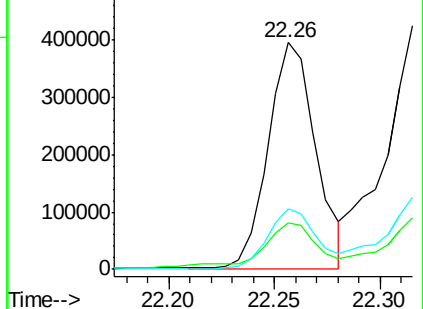
226 26.5 21.4 32.0



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: 17.27 ng/ul

RT: 22.32 min Scan# 3269

Delta R.T. -0.01 min

Lab File: BM002343.D

Acq: 12 Aug 2015 03:43

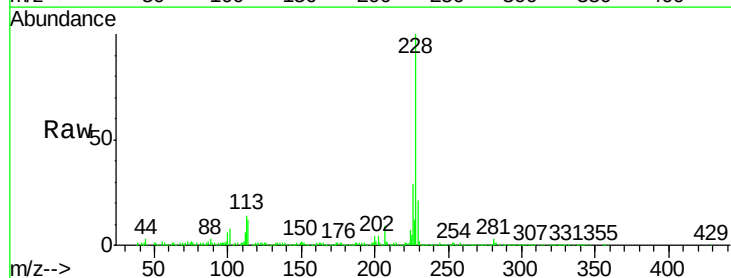
Tgt Ion:228 Resp: 748469

Ion Ratio Lower Upper

228 100

226 29.4 23.4 35.0

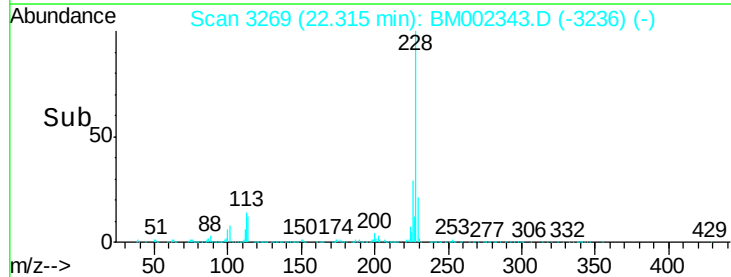
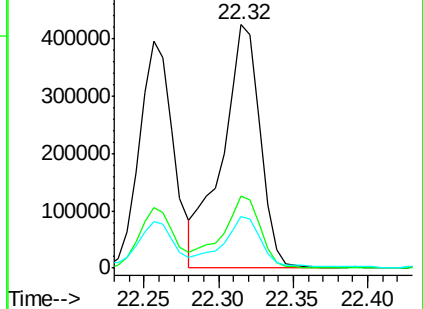
229 21.3 15.5 23.3

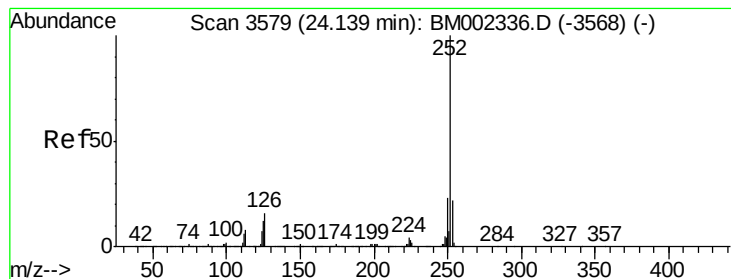


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 35.48 ng/ul

RT: 24.14 min Scan# 3579

Delta R.T. 0.00 min

Lab File: BM002343.D

Acq: 12 Aug 2015 03:43

Instrument :

BNA_M

ClientSampleId :

D9C75

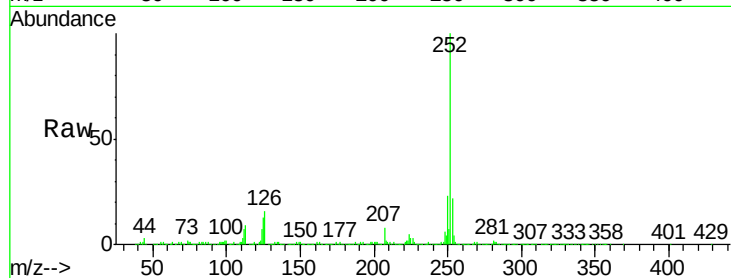
Tgt Ion:252 Resp: 1407361

Ion Ratio Lower Upper

252 100

253 22.4 17.9 26.9

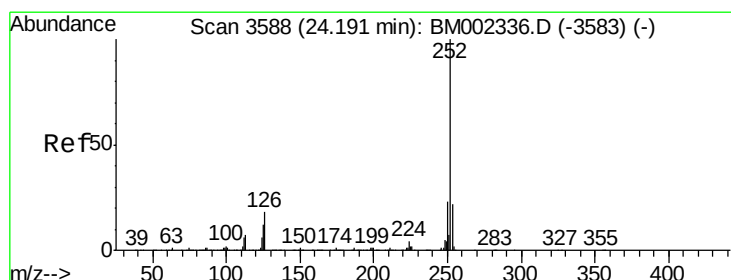
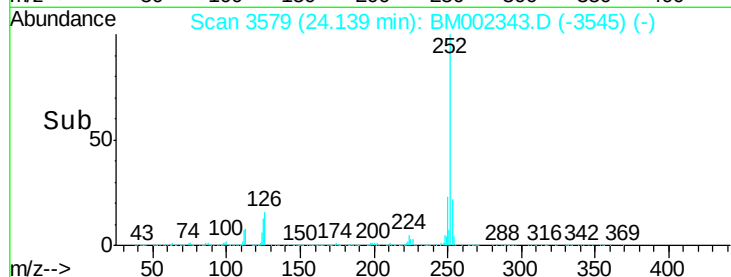
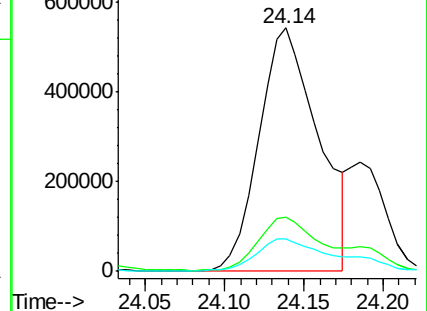
125 13.3 10.3 15.5



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: 2.92 ng/ul

RT: 24.34 min Scan# 3614

Delta R.T. 0.15 min

Lab File: BM002343.D

Acq: 12 Aug 2015 03:43

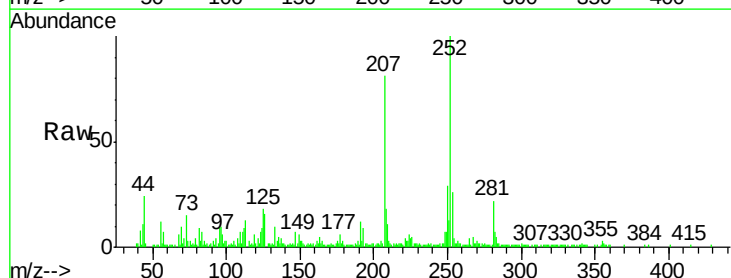
Tgt Ion:252 Resp: 111308

Ion Ratio Lower Upper

252 100

253 26.0 17.3 25.9#

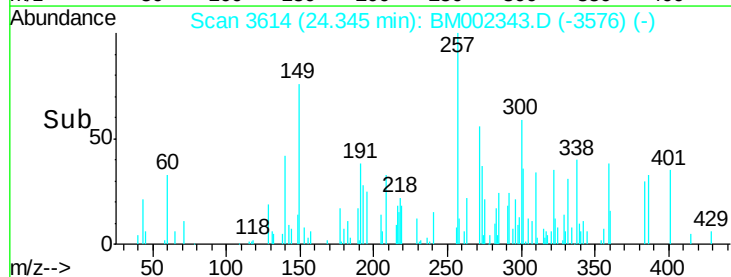
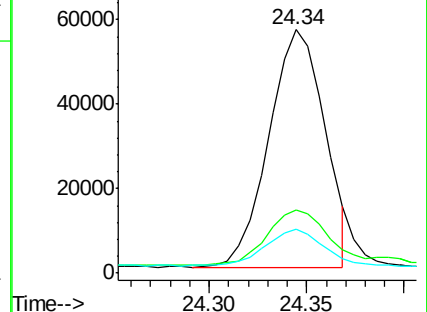
125 17.9 10.2 15.4#

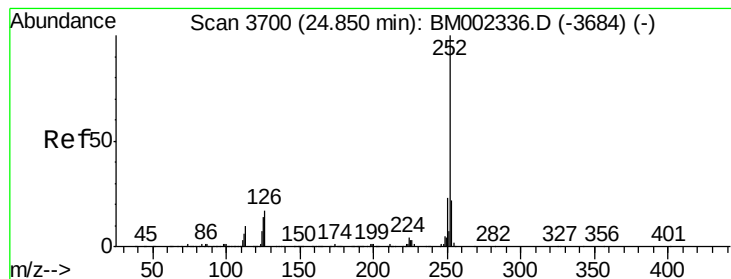


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 20.32 ng/ul

RT: 24.85 min Scan# 3700

Delta R.T. 0.00 min

Lab File: BM002343.D

Acq: 12 Aug 2015 03:43

Instrument :

BNA_M

ClientSampleId :

D9C75

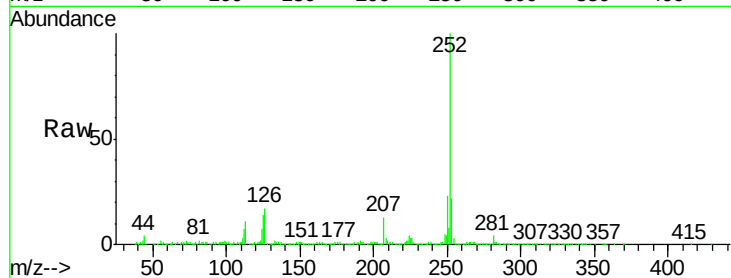
Tgt Ion: 252 Resp: 771404

Ion Ratio Lower Upper

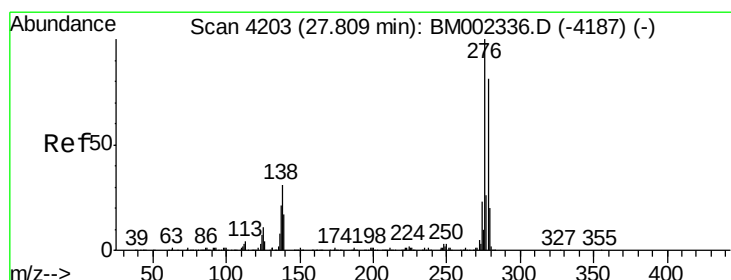
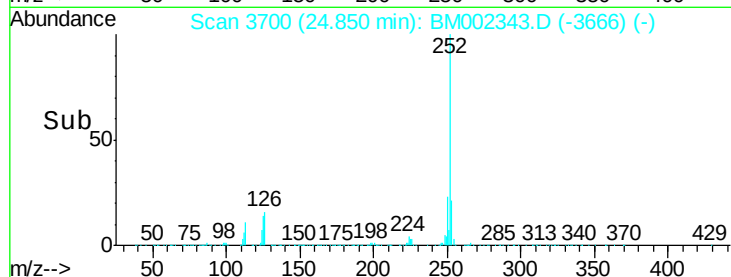
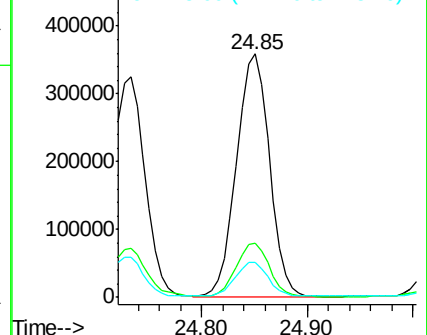
252 100

253 22.4 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: 18.35 ng/ul

RT: 27.81 min Scan# 4203

Delta R.T. 0.00 min

Lab File: BM002343.D

Acq: 12 Aug 2015 03:43

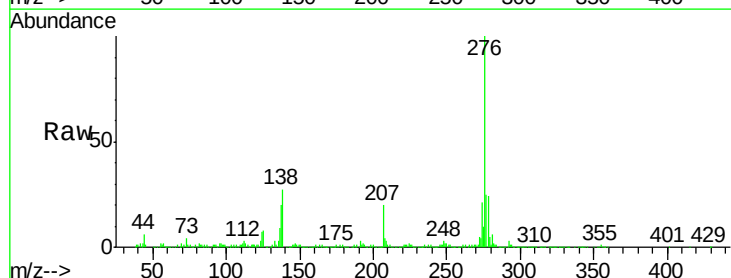
Tgt Ion: 276 Resp: 798521

Ion Ratio Lower Upper

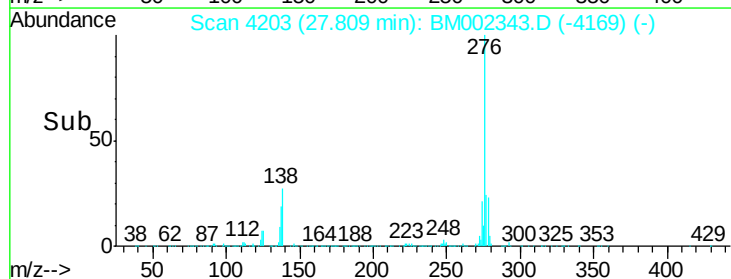
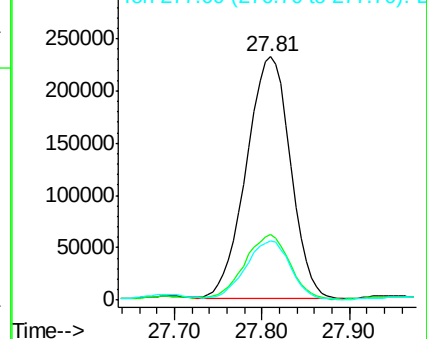
276 100

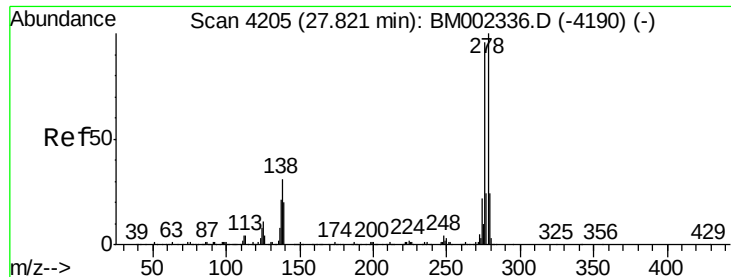
138 26.9 25.6 38.4

277 24.6 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: 6.07 ng/ul

RT: 27.81 min Scan# 4203

Delta R.T. -0.01 min

Lab File: BM002343.D

Acq: 12 Aug 2015 03:43

Instrument :

BNA_M

ClientSampleId :

D9C75

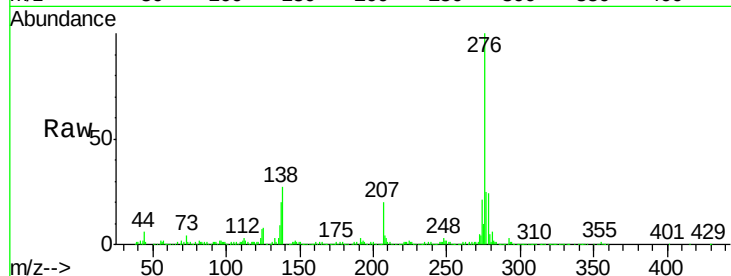
Tgt Ion: 278 Resp: 223731

Ion Ratio Lower Upper

278 100

139 0.0 16.4 24.6#

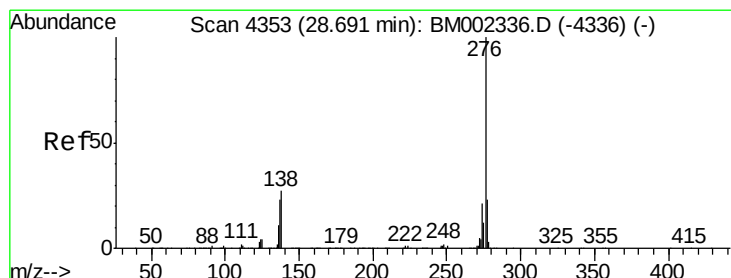
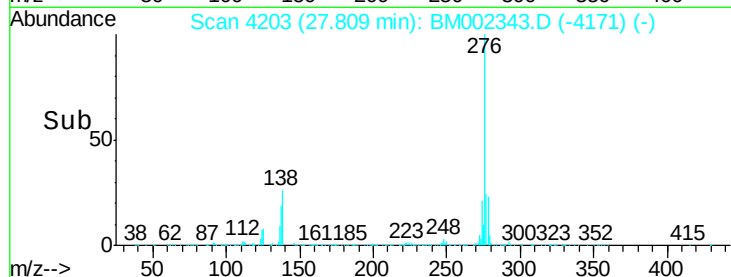
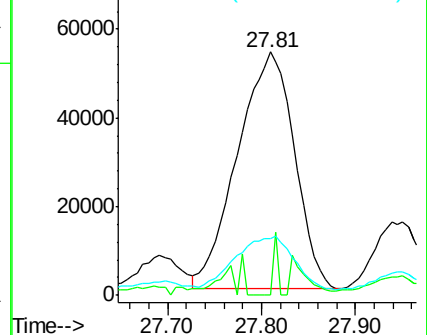
279 23.0 18.8 28.2



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: 20.99 ng/ul

RT: 28.69 min Scan# 4353

Delta R.T. 0.00 min

Lab File: BM002343.D

Acq: 12 Aug 2015 03:43

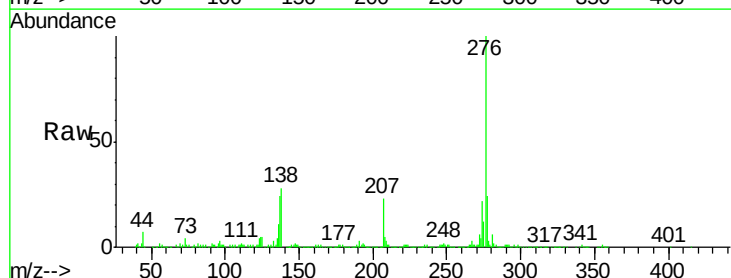
Tgt Ion: 276 Resp: 770282

Ion Ratio Lower Upper

276 100

138 27.7 20.5 30.7

277 23.9 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

