

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080715\
 Data File : BM002271.D
 Acq On : 08 Aug 2015 11:34
 Operator : TP/UM
 Sample : G3161-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9C48

Quant Time: Aug 09 05:33:20 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Aug 09 05:31:20 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	274824	20.00	ng/ul	0.00
2) Naphthalene-d8	11.80	136	1317542	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.50	164	689963	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.21	188	1361311	20.00	ng/ul	0.00
17) Chrysene-d12	22.29	240	1254780	20.00	ng/ul	0.00
22) Perylene-d12	24.99	264	1027822	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.20	160	1190984	16.66	ng/ul	0.00
10) Fluorene-d10	16.47	176	762967	15.35	ng/ul	0.00
14) Anthracene-d10	18.30	188	1049873	15.89	ng/ul	0.00
18) Pyrene-d10	20.52	212	1022293	16.80	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.81	264	749461	13.73	ng/ul	0.00

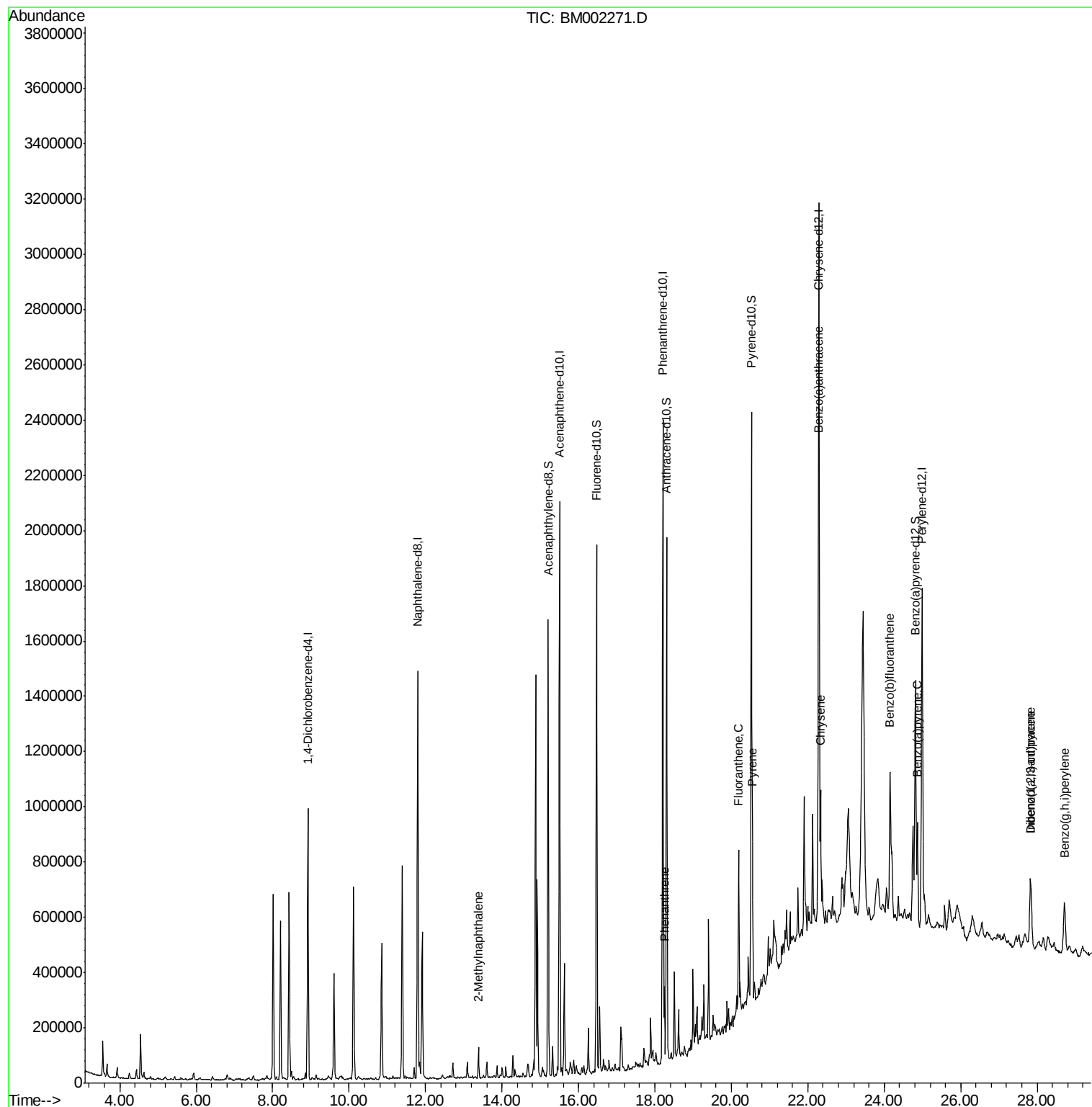
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) 2-Methylnaphthalene	13.39	142	54534	1.10	ng/ul	99
13) Phenanthrene	18.25	178	159988	2.04	ng/ul	99
16) Fluoranthene	20.19	202	341504	3.94	ng/ul	98
19) Pyrene	20.55	202	324442	4.00	ng/ul	98
20) Benzo(a)anthracene	22.27	228	270068	3.53	ng/ul	98
21) Chrysene	22.33	228	295945	4.08	ng/ul	96
23) Benzo(b)fluoranthene	24.16	252	531452	8.32	ng/ul	98
26) Benzo(a)pyrene	24.87	252	310932	5.09	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	27.83	276	266810	3.81	ng/ul	93
28) Dibenzo(a,h)anthracene	27.83	278	74331	1.25	ng/ul#	75
29) Benzo(g,h,i)perylene	28.71	276	245363	4.15	ng/ul	98

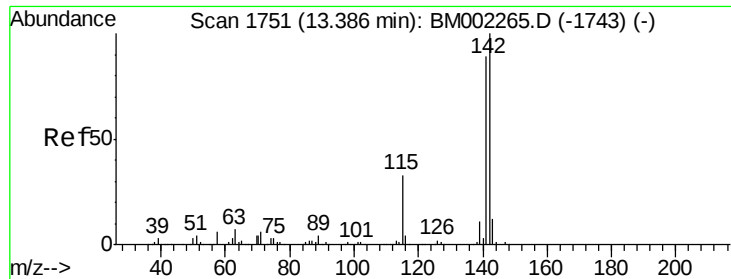
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080715\
Data File : BM002271.D
Acq On : 08 Aug 2015 11:34
Operator : TP/UM
Sample : G3161-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9C48

Quant Time: Aug 09 05:33:20 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Aug 09 05:31:20 2015
Response via : Initial Calibration





#4

2-Methylnaphthalene

Concen: 1.10 ng/ul

RT: 13.39 min Scan# 1751

Delta R.T. -0.00 min

Lab File: BM002271.D

Acq: 08 Aug 2015 11:34

Instrument :

BNA_M

ClientSampleId :

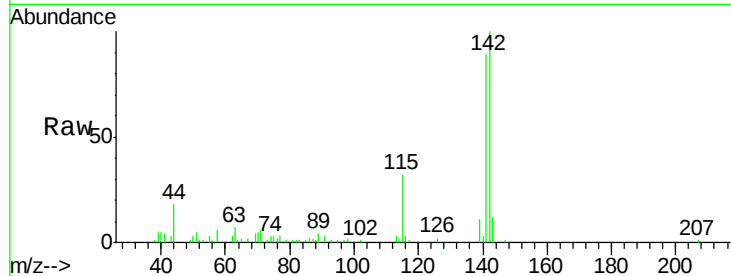
D9C48

Tgt Ion:142 Resp: 54534

Ion Ratio Lower Upper

142 100

141 89.3 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

13.39

40000

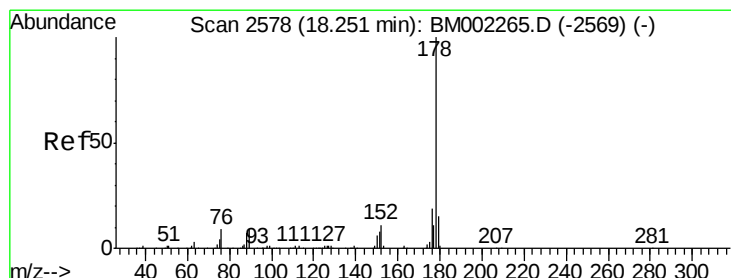
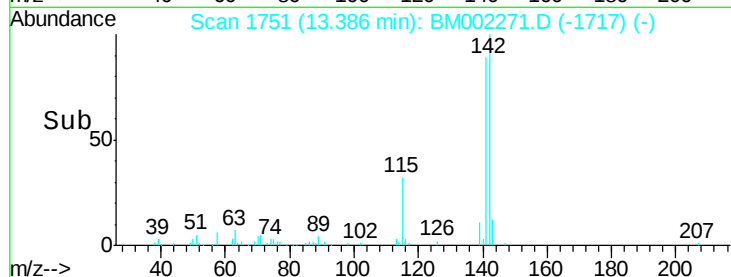
30000

20000

10000

0

Time-->



#13

Phenanthrene

Concen: 2.04 ng/ul

RT: 18.25 min Scan# 2578

Delta R.T. -0.00 min

Lab File: BM002271.D

Acq: 08 Aug 2015 11:34

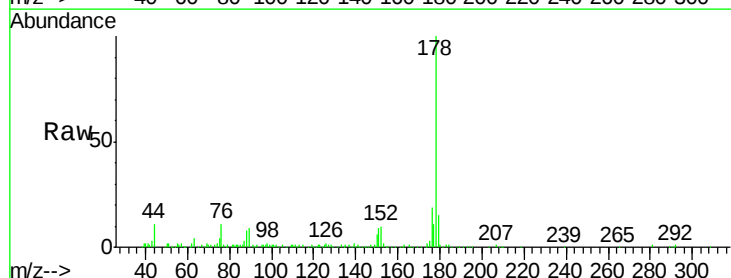
Tgt Ion:178 Resp: 159988

Ion Ratio Lower Upper

178 100

179 15.1 12.3 18.5

176 18.6 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

18.25

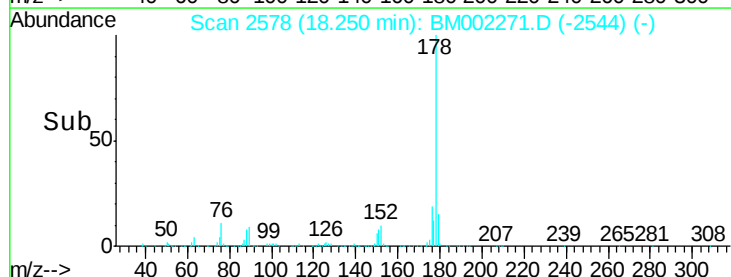
150000

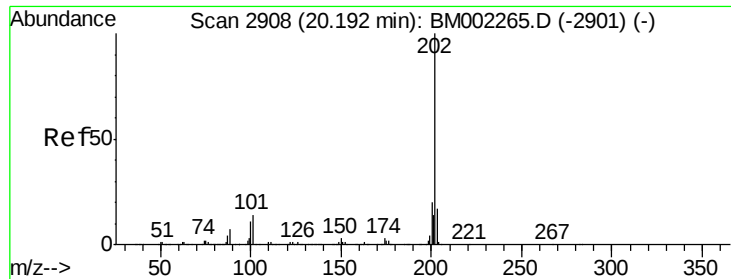
100000

50000

0

Time-->

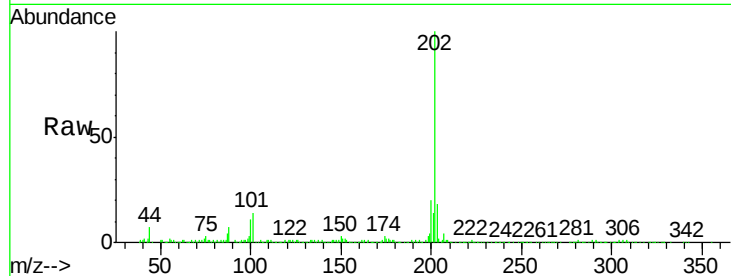




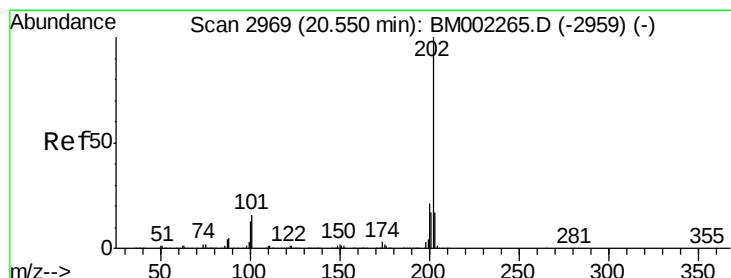
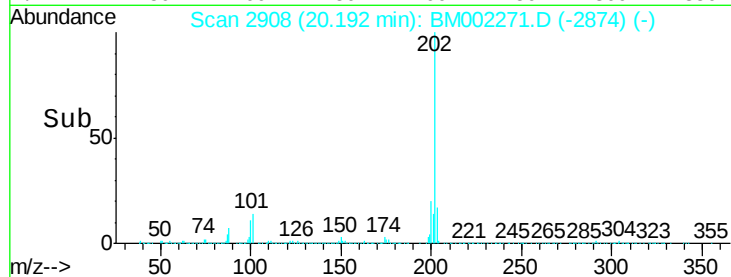
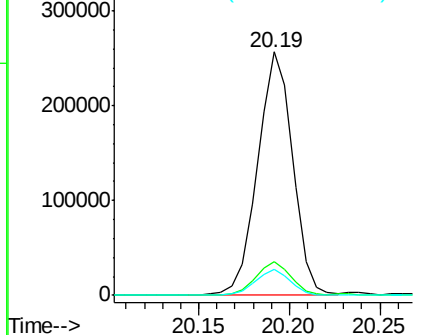
#16
Fluoranthene
 Concen: 3.94 ng/ul
 RT: 20.19 min Scan# 2908
 Delta R.T. -0.00 min
 Lab File: BM002271.D
 Acq: 08 Aug 2015 11:34

Instrument :
 BNA_M
 ClientSampleId :
 D9C48

Tgt Ion:	202	Resp:	341504
Ion	Ratio	Lower	Upper
202	100		
101	14.1	10.6	15.8
100	10.8	8.2	12.4

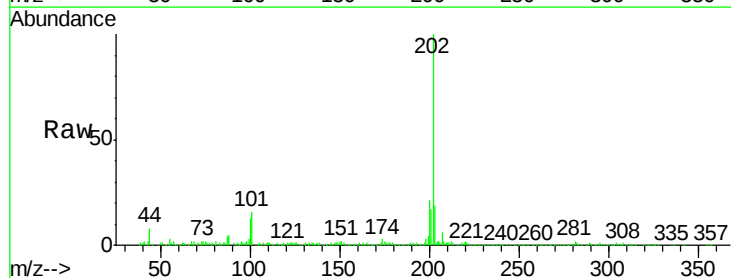


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

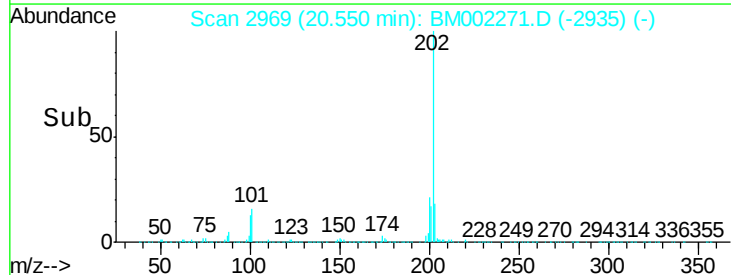
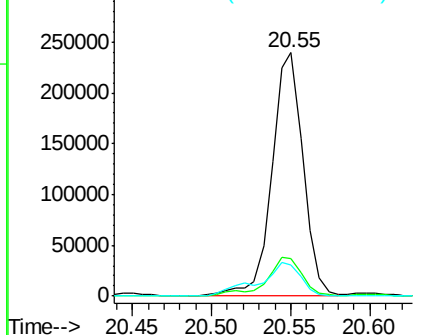


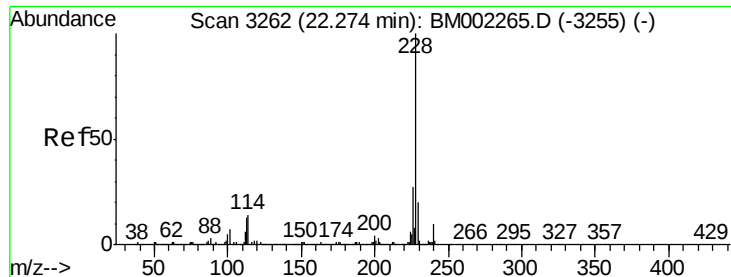
#19
Pyrene
 Concen: 4.00 ng/ul
 RT: 20.55 min Scan# 2969
 Delta R.T. -0.00 min
 Lab File: BM002271.D
 Acq: 08 Aug 2015 11:34

Tgt Ion:	202	Resp:	324442
Ion	Ratio	Lower	Upper
202	100		
101	15.7	13.0	19.6
100	12.6	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: 3.53 ng/ul

RT: 22.27 min Scan# 3262

Delta R.T. -0.00 min

Lab File: BM002271.D

Acq: 08 Aug 2015 11:34

Instrument :

BNA_M

ClientSampleId :

D9C48

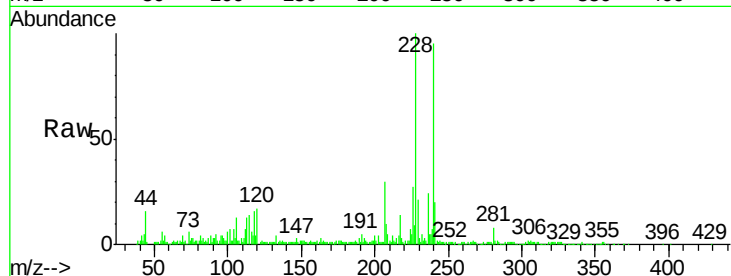
Tgt Ion:228 Resp: 270068

Ion Ratio Lower Upper

228 100

229 21.3 15.7 23.5

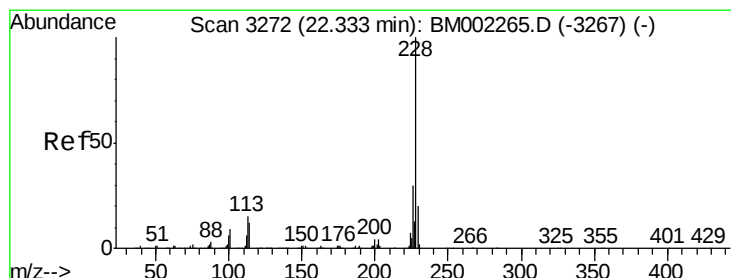
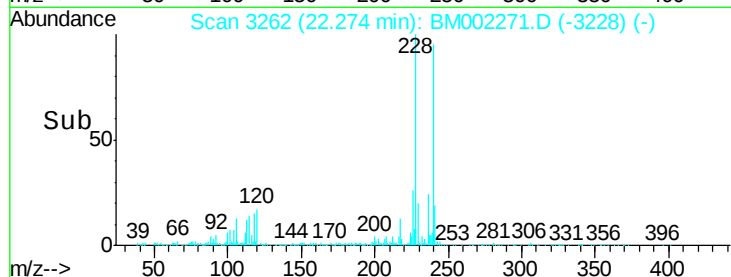
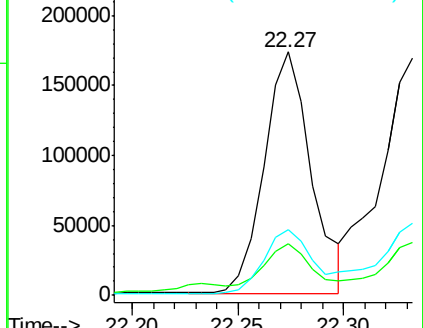
226 26.8 21.4 32.0



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: 4.08 ng/ul

RT: 22.33 min Scan# 3272

Delta R.T. -0.00 min

Lab File: BM002271.D

Acq: 08 Aug 2015 11:34

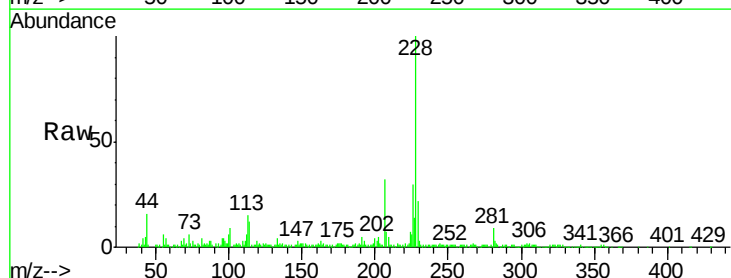
Tgt Ion:228 Resp: 295945

Ion Ratio Lower Upper

228 100

226 30.2 23.4 35.0

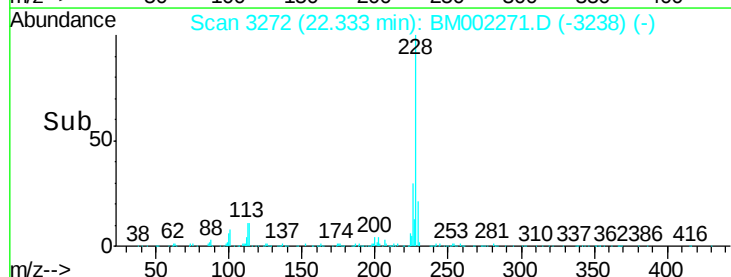
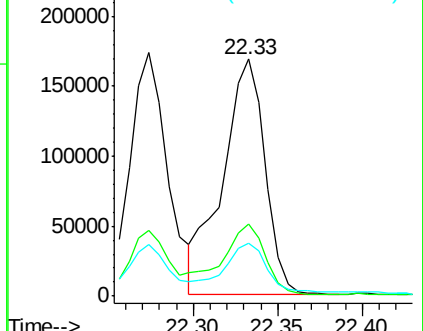
229 22.3 15.5 23.3

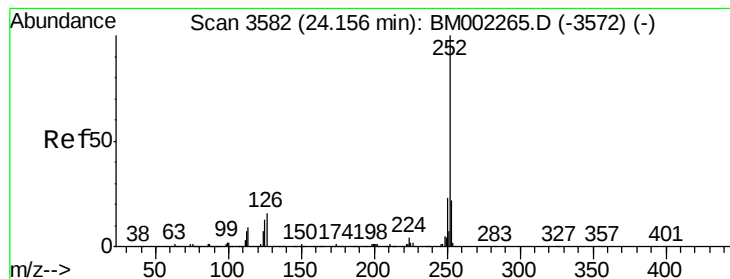


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 8.32 ng/ul

RT: 24.16 min Scan# 3582

Delta R.T. -0.00 min

Lab File: BM002271.D

Acq: 08 Aug 2015 11:34

Instrument :

BNA_M

ClientSampleId :

D9C48

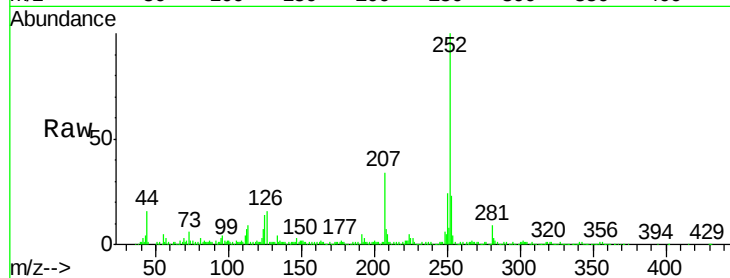
Tgt Ion:252 Resp: 531452

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

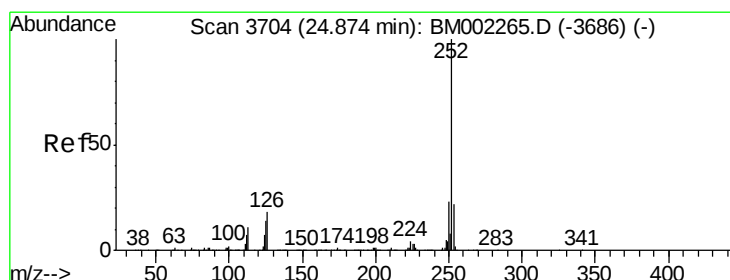
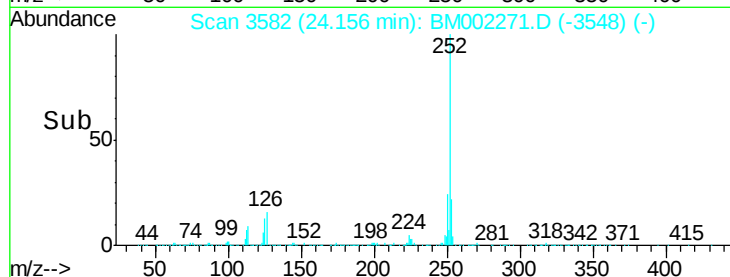
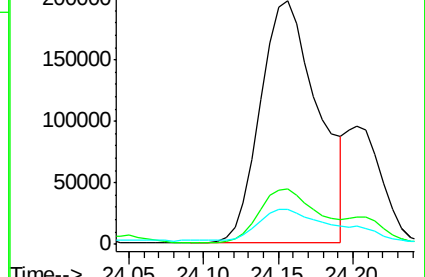
125 14.4 10.3 15.5



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



#26

Benzo(a)pyrene

Concen: 5.09 ng/ul

RT: 24.87 min Scan# 3703

Delta R.T. -0.01 min

Lab File: BM002271.D

Acq: 08 Aug 2015 11:34

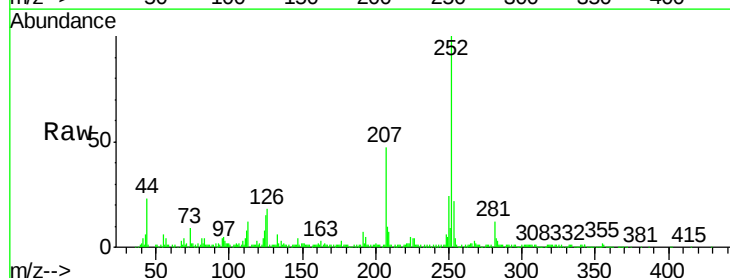
Tgt Ion:252 Resp: 310932

Ion Ratio Lower Upper

252 100

253 22.5 17.3 25.9

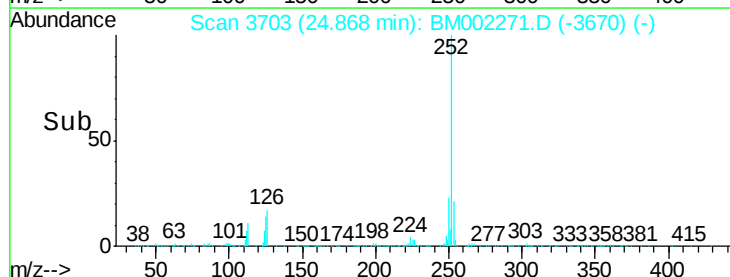
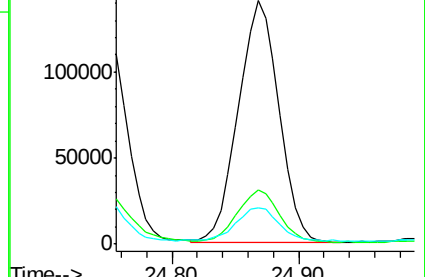
125 15.0 11.0 16.6

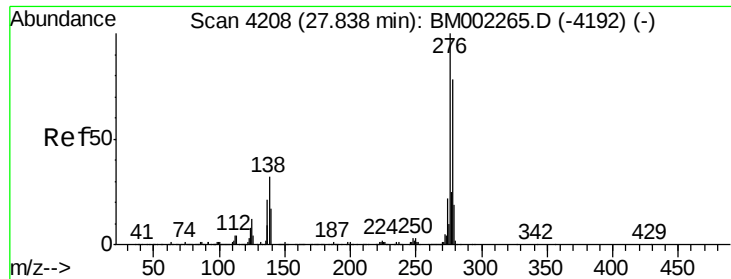


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

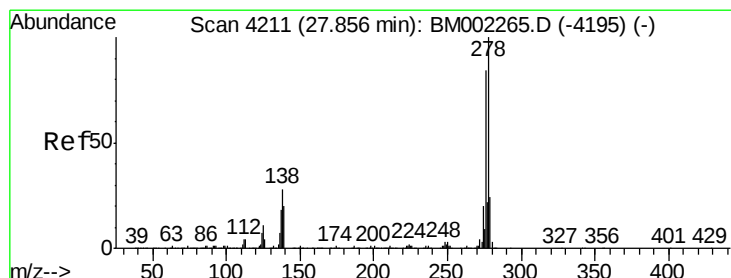
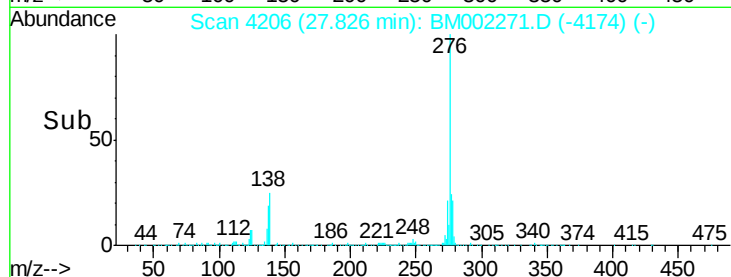
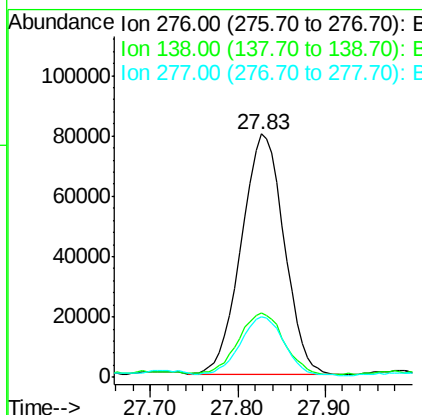
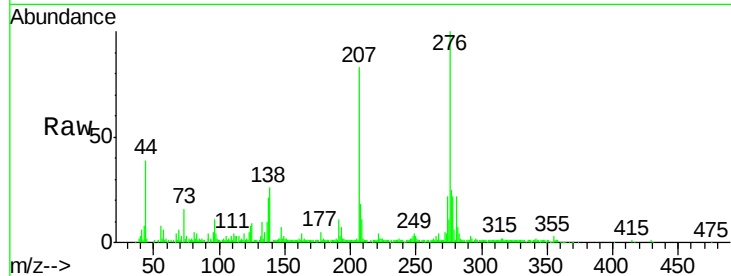




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 3.81 ng/ul
 RT: 27.83 min Scan# 4206
 Delta R.T. -0.01 min
 Lab File: BM002271.D
 Acq: 08 Aug 2015 11:34

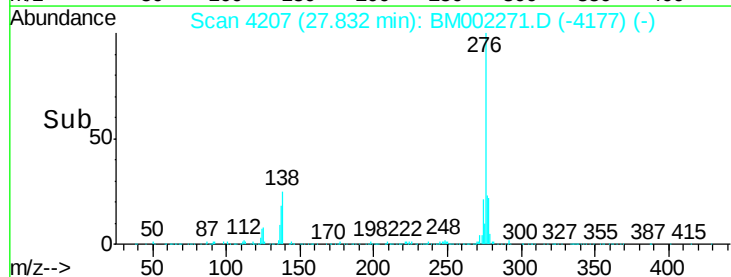
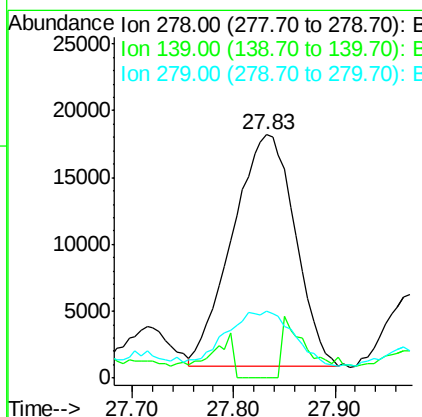
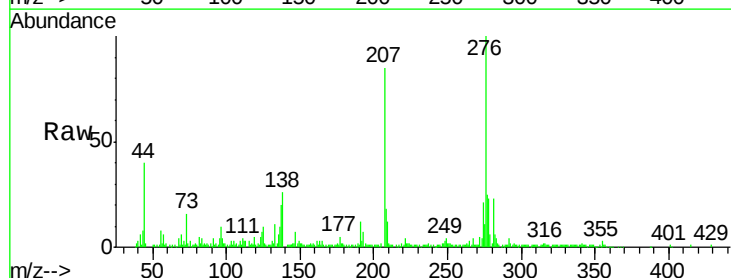
Instrument :
 BNA_M
 ClientSampleId :
 D9C48

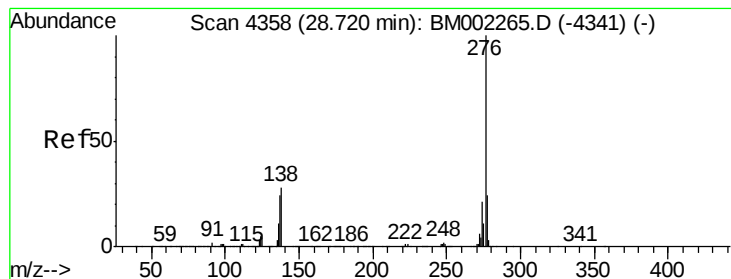
Tgt Ion: 276 Resp: 266810
 Ion Ratio Lower Upper
 276 100
 138 26.2 25.6 38.4
 277 24.8 21.0 31.4



#28
 Dibenzo(a,h)anthracene
 Concen: 1.25 ng/ul
 RT: 27.83 min Scan# 4207
 Delta R.T. -0.02 min
 Lab File: BM002271.D
 Acq: 08 Aug 2015 11:34

Tgt Ion: 278 Resp: 74331
 Ion Ratio Lower Upper
 278 100
 139 0.0 16.4 24.6#
 279 27.3 18.8 28.2





#29

Benzo(g,h,i)perylene

Concen: 4.15 ng/ul

RT: 28.71 min Scan# 4357

Delta R.T. -0.01 min

Lab File: BM002271.D

Acq: 08 Aug 2015 11:34

Instrument :

BNA_M

ClientSampleId :

D9C48

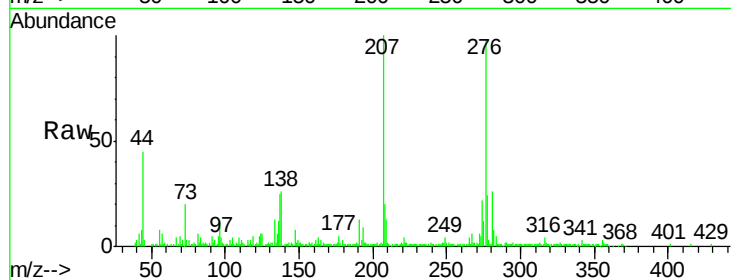
Tgt Ion: 276 Resp: 245363

Ion Ratio Lower Upper

276 100

138 26.8 20.5 30.7

277 24.4 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

