

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080715\
 Data File : BM002277.D
 Acq On : 08 Aug 2015 15:12
 Operator : TP/UM
 Sample : G3161-08
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9C53MSD

Quant Time: Aug 09 05:34:08 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	221961	20.00	ng/ul	0.00
2) Naphthalene-d8	11.80	136	1100923	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.50	164	620092	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.21	188	1251957	20.00	ng/ul	0.00
17) Chrysene-d12	22.29	240	1140706	20.00	ng/ul	0.00
22) Perylene-d12	24.99	264	935759	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.20	160	1261648	19.64	ng/ul	0.00
10) Fluorene-d10	16.47	176	824731	18.46	ng/ul	0.00
14) Anthracene-d10	18.30	188	1166379	19.20	ng/ul	0.00
18) Pyrene-d10	20.52	212	1159311	20.96	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.82	264	832984	16.76	ng/ul	0.00

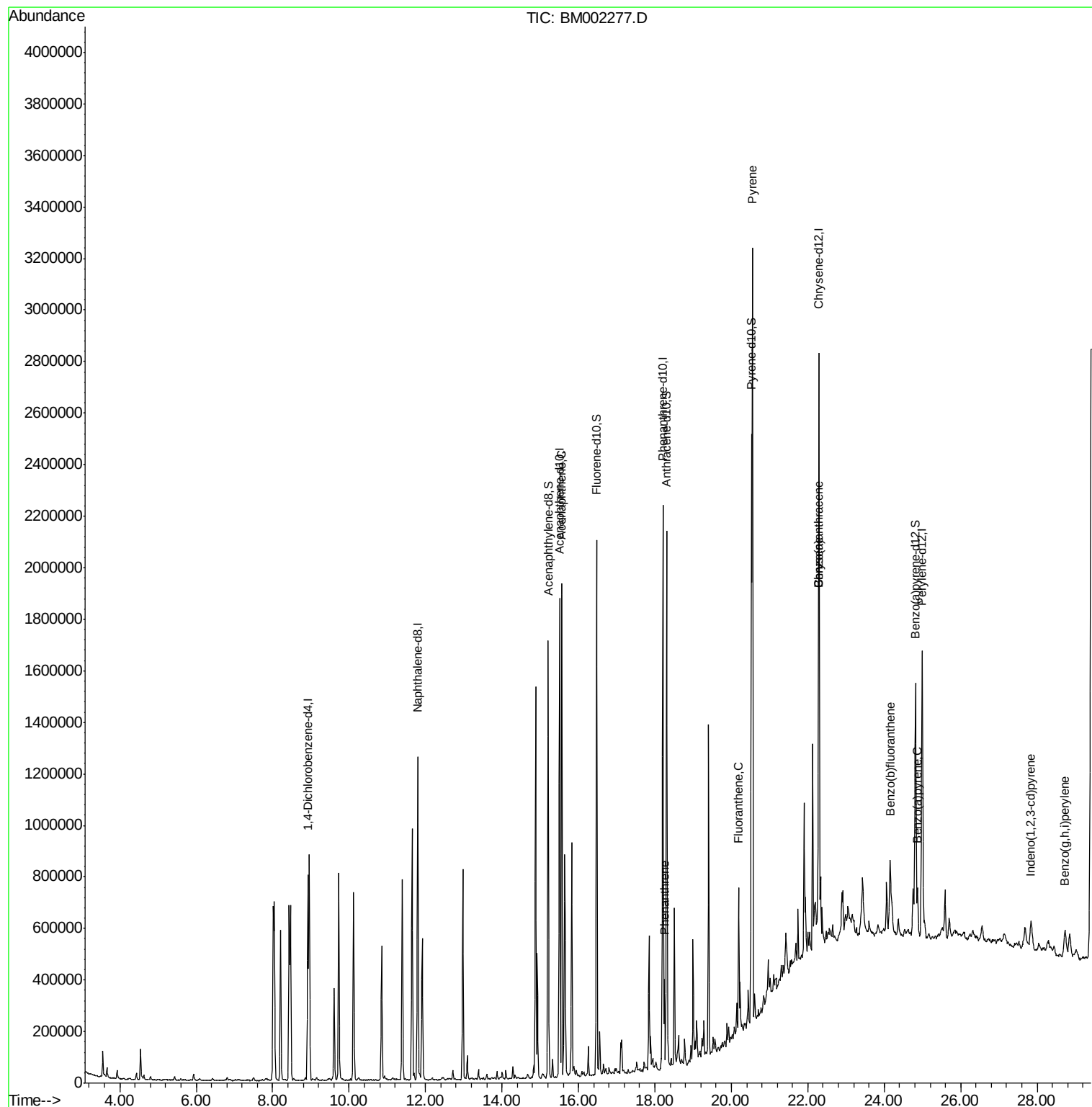
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Acenaphthene	15.56	153	820893	18.30	ng/ul	99
13) Phenanthrene	18.25	178	200471	2.78	ng/ul	99
16) Fluoranthene	20.19	202	315797	3.96	ng/ul	99
19) Pyrene	20.55	202	1676526	22.73	ng/ul	99
20) Benzo(a)anthracene	22.27	228	170822	2.45	ng/ul	97
21) Chrysene	22.27	228	168520	2.55	ng/ul	97
23) Benzo(b)fluoranthene	24.16	252	262296	4.51	ng/ul#	98
26) Benzo(a)pyrene	24.87	252	144707	2.60	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	27.83	276	105471	1.65	ng/ul	92
29) Benzo(g,h,i)perylene	28.73	276	99580	1.85	ng/ul	95

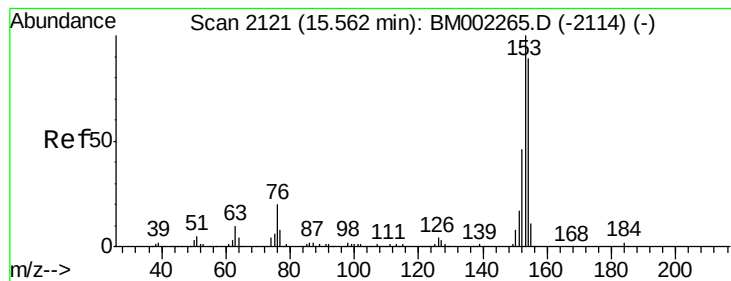
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#9

Acenaphthene

Concen: 18.30 ng/ul

RT: 15.56 min Scan# 2121

Delta R.T. 0.00 min

Lab File: BM002277.D

Acq: 08 Aug 2015 15:12

Instrument :

BNA_M

ClientSampleId :

D9C53MSD

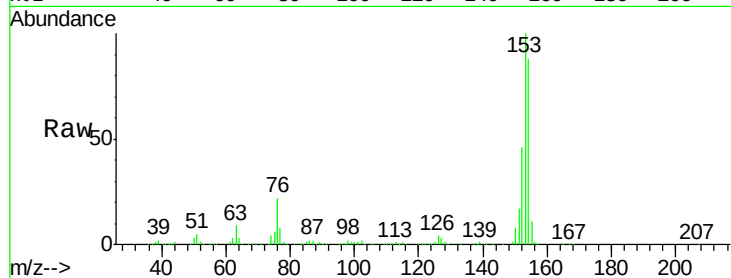
Tgt Ion:153 Resp: 820893

Ion Ratio Lower Upper

153 100

152 46.4 36.6 55.0

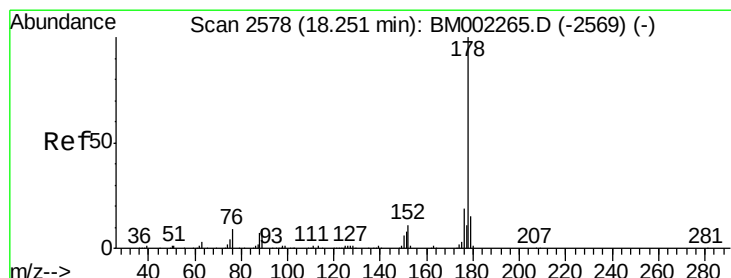
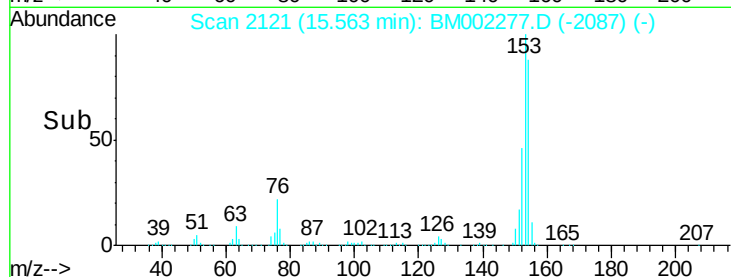
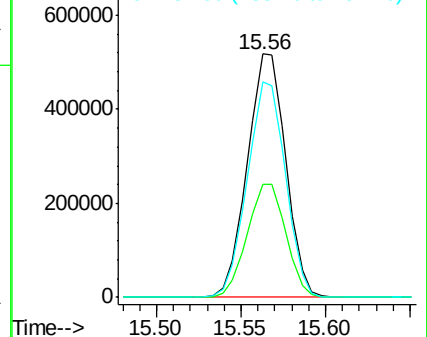
154 88.4 71.5 107.3



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



#13

Phenanthrene

Concen: 2.78 ng/ul

RT: 18.25 min Scan# 2578

Delta R.T. 0.00 min

Lab File: BM002277.D

Acq: 08 Aug 2015 15:12

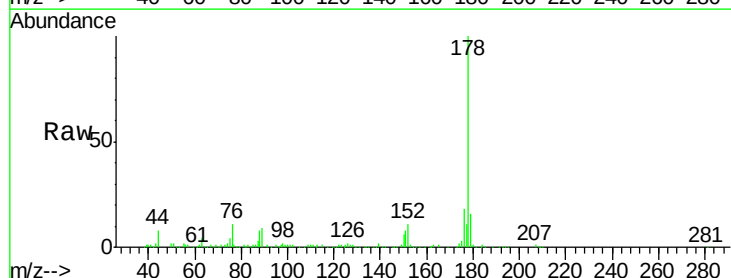
Tgt Ion:178 Resp: 200471

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

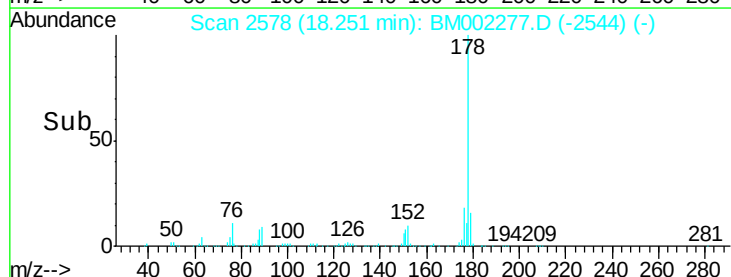
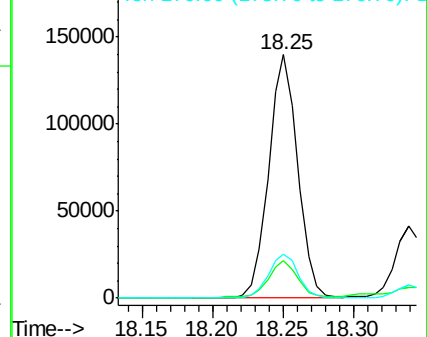
176 18.1 15.3 22.9

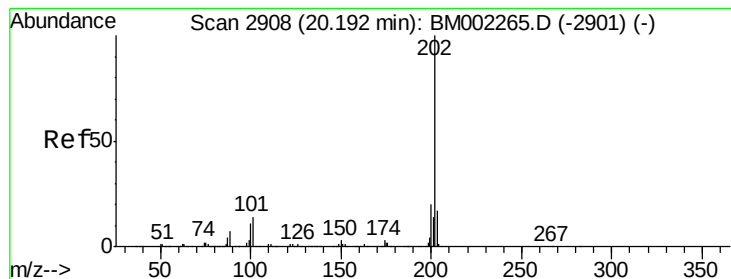


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 3.96 ng/ul

RT: 20.19 min Scan# 2908

Delta R.T. 0.00 min

Lab File: BM002277.D

Acq: 08 Aug 2015 15:12

Instrument :

BNA_M

ClientSampleId :

D9C53MSD

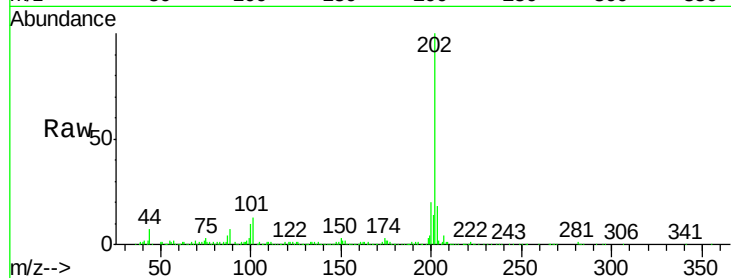
Tgt Ion:202 Resp: 315797

Ion Ratio Lower Upper

202 100

101 13.5 10.6 15.8

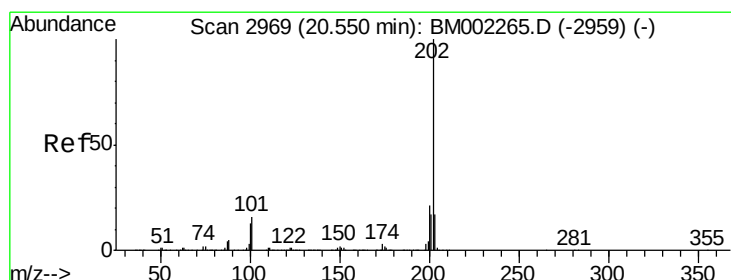
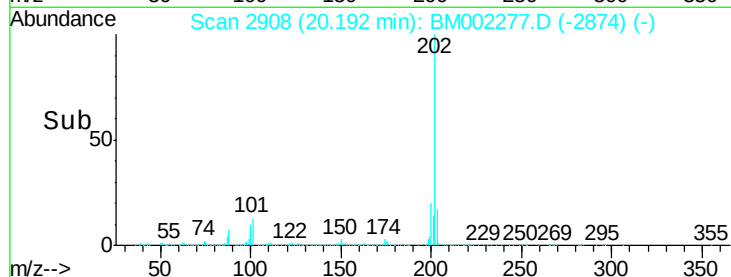
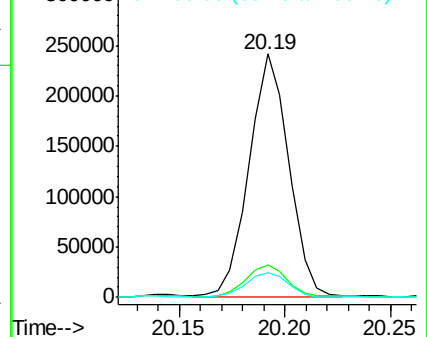
100 10.2 8.2 12.4



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: 22.73 ng/ul

RT: 20.55 min Scan# 2969

Delta R.T. 0.00 min

Lab File: BM002277.D

Acq: 08 Aug 2015 15:12

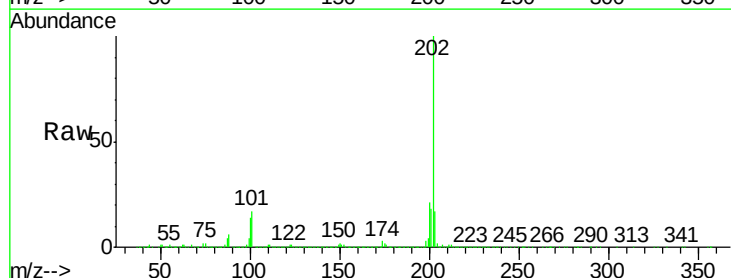
Tgt Ion:202 Resp: 1676526

Ion Ratio Lower Upper

202 100

101 16.9 13.0 19.6

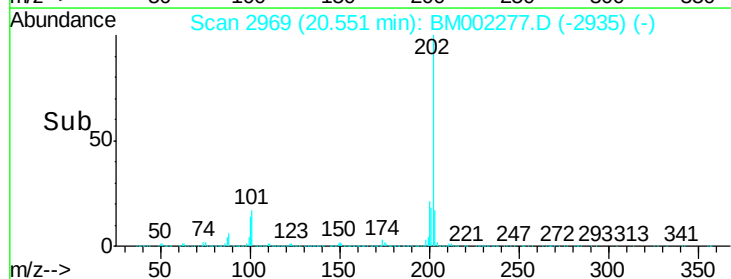
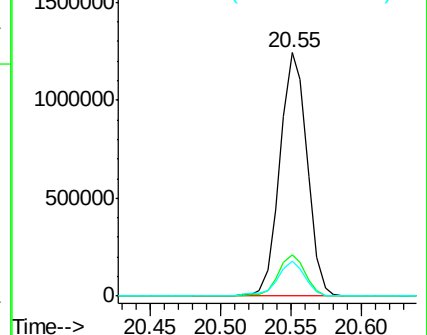
100 14.3 11.0 16.4

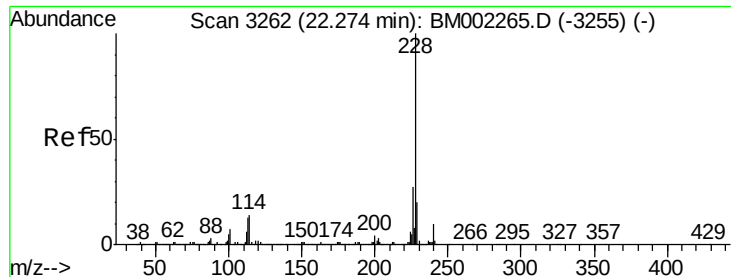


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 2.45 ng/ul

RT: 22.27 min Scan# 3262

Delta R.T. 0.00 min

Lab File: BM002277.D

Acq: 08 Aug 2015 15:12

Instrument :

BNA_M

ClientSampled :

D9C53MSD

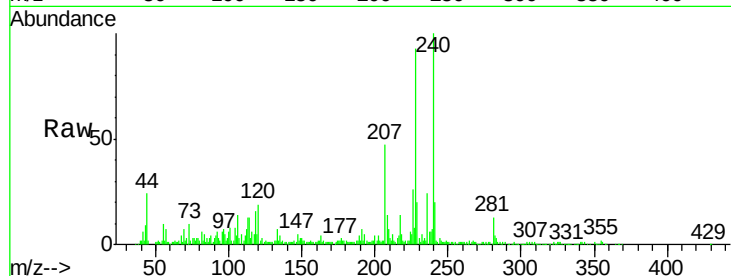
Tgt Ion:228 Resp: 170822

Ion Ratio Lower Upper

228 100

229 21.5 15.7 23.5

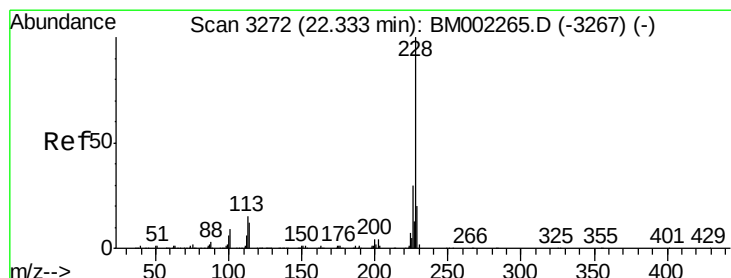
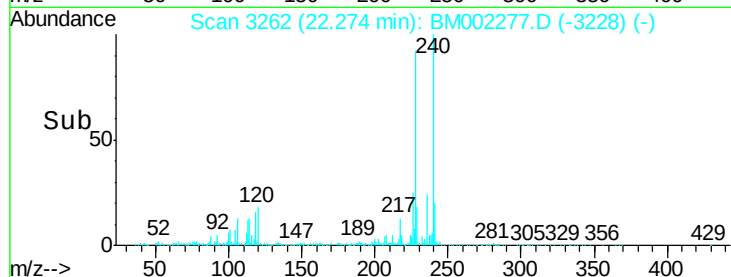
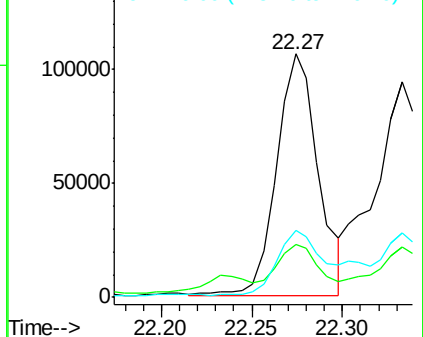
226 27.8 21.4 32.0



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: 2.55 ng/ul

RT: 22.27 min Scan# 3262

Delta R.T. -0.06 min

Lab File: BM002277.D

Acq: 08 Aug 2015 15:12

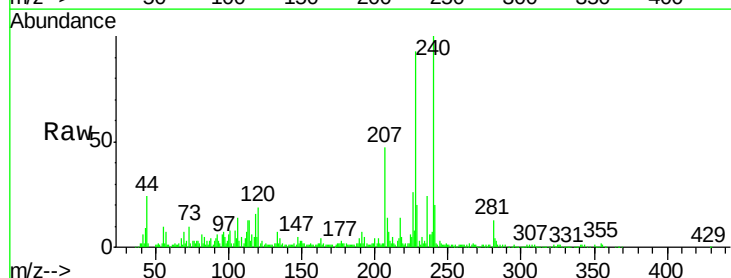
Tgt Ion:228 Resp: 168520

Ion Ratio Lower Upper

228 100

226 27.8 23.4 35.0

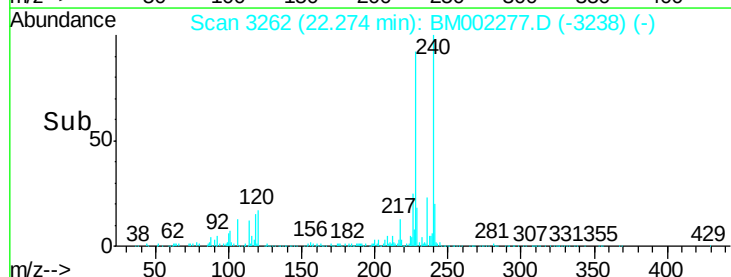
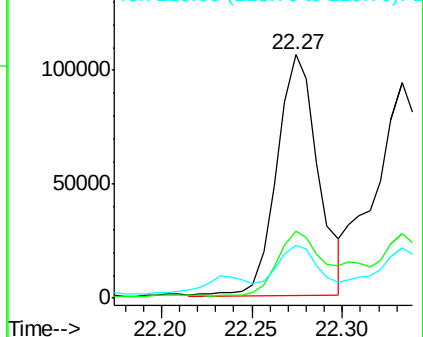
229 21.5 15.5 23.3

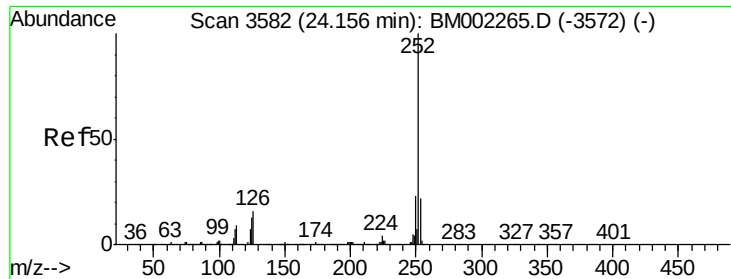


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 4.51 ng/ul

RT: 24.16 min Scan# 3582

Delta R.T. 0.00 min

Lab File: BM002277.D

Acq: 08 Aug 2015 15:12

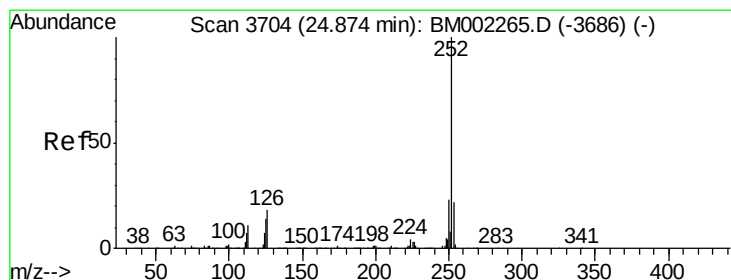
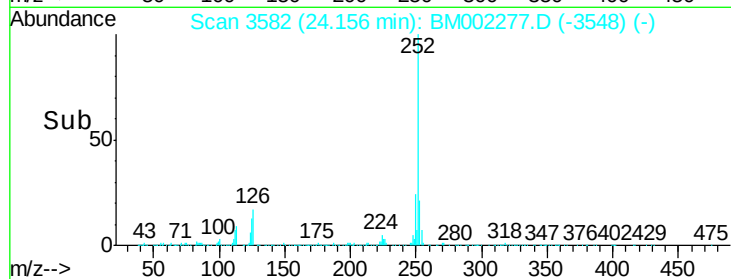
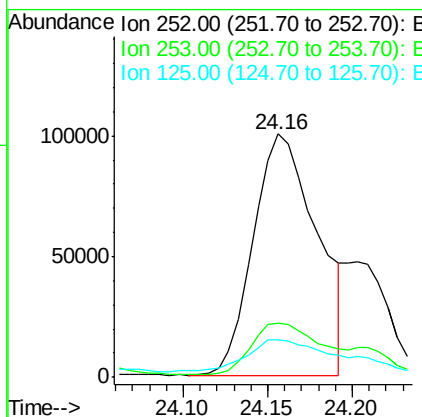
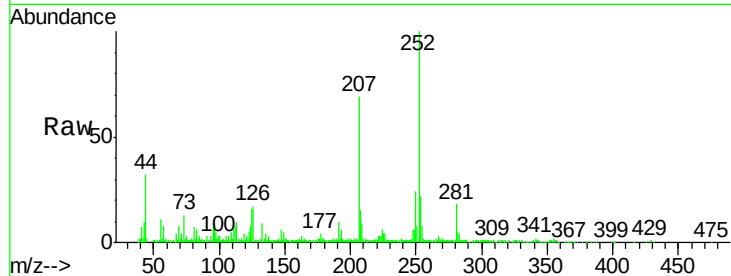
Instrument :

BNA_M

ClientSampleId :

D9C53MSD

Tgt Ion:	252	Resp:	262296
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.9	26.9
125	15.5	10.3	15.5#



#26

Benzo(a)pyrene

Concen: 2.60 ng/ul

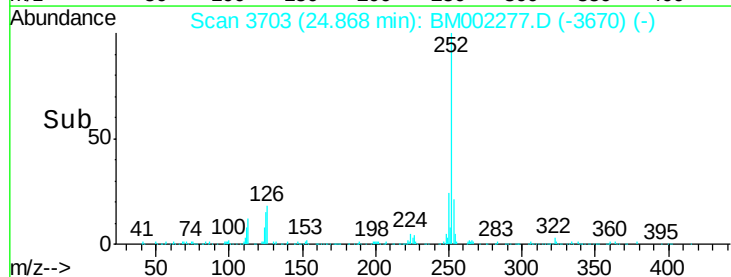
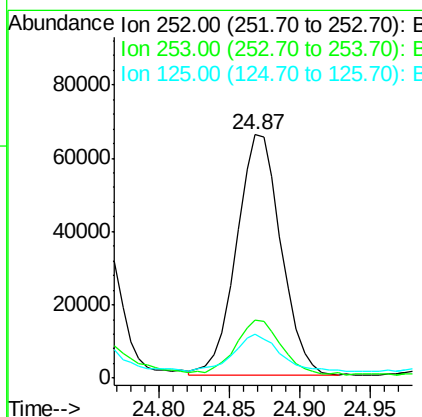
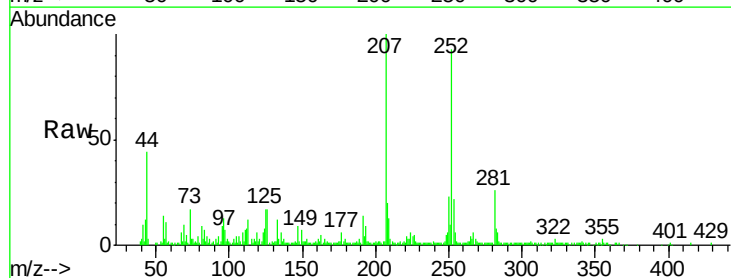
RT: 24.87 min Scan# 3703

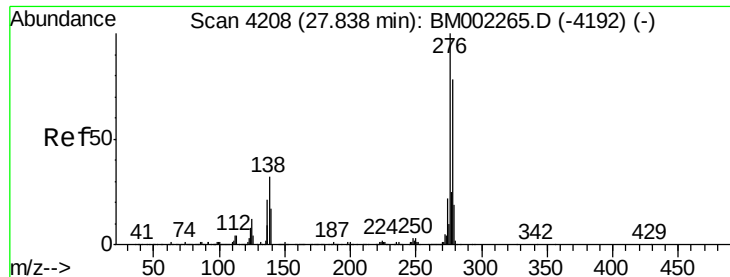
Delta R.T. -0.01 min

Lab File: BM002277.D

Acq: 08 Aug 2015 15:12

Tgt Ion:	252	Resp:	144707
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.3	25.9
125	17.9	11.0	16.6#





#27

Indeno(1,2,3-cd)pyrene

Concen: 1.65 ng/ul

RT: 27.83 min Scan# 4207

Delta R.T. -0.01 min

Lab File: BM002277.D

Acq: 08 Aug 2015 15:12

Instrument :

BNA_M

ClientSampleId :

D9C53MSD

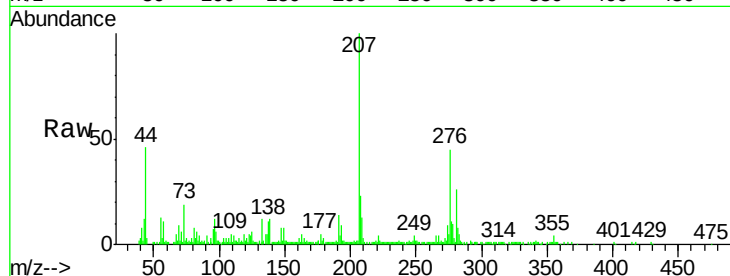
Tgt Ion:276 Resp: 105471

Ion Ratio Lower Upper

276 100

138 25.9 25.6 38.4

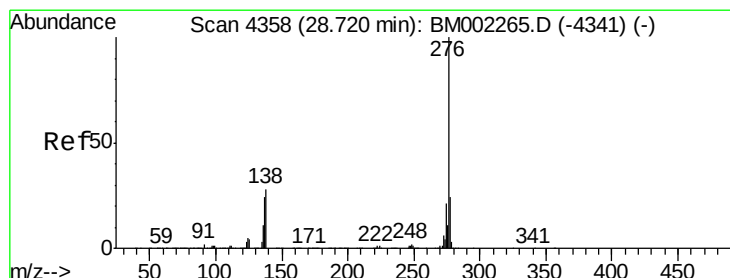
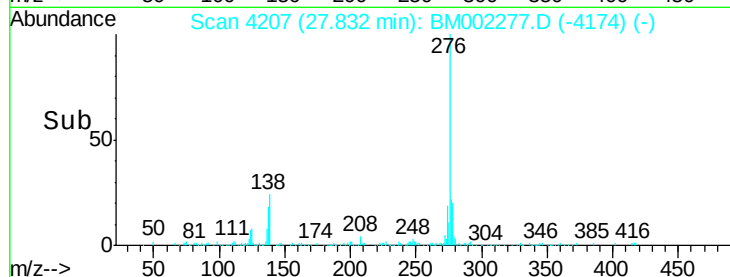
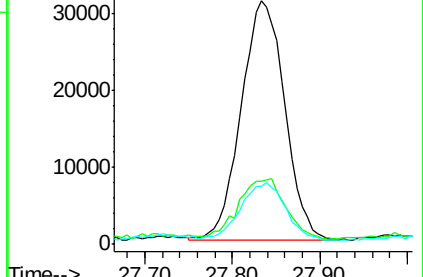
277 24.0 21.0 31.4



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



#29

Benzo(g,h,i)perylene

Concen: 1.85 ng/ul

RT: 28.73 min Scan# 4359

Delta R.T. 0.01 min

Lab File: BM002277.D

Acq: 08 Aug 2015 15:12

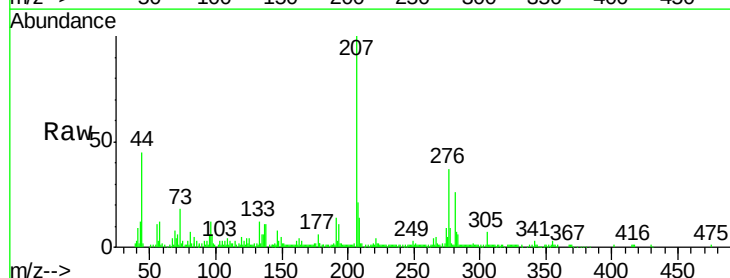
Tgt Ion:276 Resp: 99580

Ion Ratio Lower Upper

276 100

138 29.1 20.5 30.7

277 25.8 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

