

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002438.D
 Acq On : 15 Aug 2015 23:16
 Operator : UM/IZ
 Sample : G3194-13
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 17 05:19:03 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 17 05:12:59 2015
 Response via : Initial Calibration

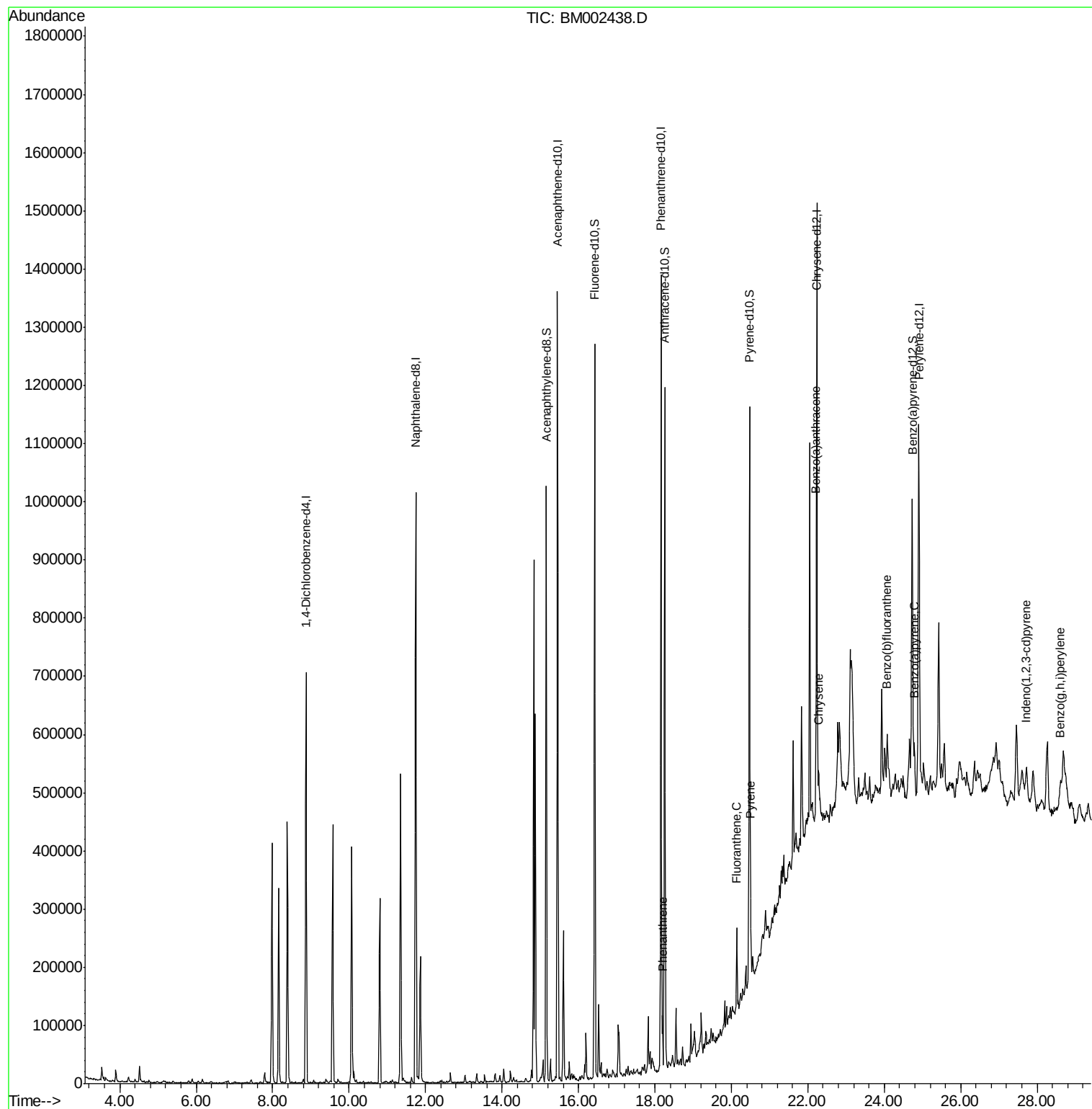
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.88	152	215742	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	953676	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	466489	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	828456	20.00	ng/ul	0.00
17) Chrysene-d12	22.23	240	548506	20.00	ng/ul	0.00
22) Perylene-d12	24.90	264	538445	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	15.16	160	779999	16.35	ng/ul	0.00
10) Fluorene-d10	16.42	176	506866	15.13	ng/ul	0.00
14) Anthracene-d10	18.26	188	652337	16.32	ng/ul	0.00
18) Pyrene-d10	20.47	212	509039	20.94	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.73	264	429134	15.17	ng/ul	0.01
Target Compounds						
13) Phenanthrene	18.20	178	54626	1.14	ng/ul	Ovalue 99
16) Fluoranthene	20.14	202	87127	1.61	ng/ul	99
19) Pyrene	20.50	202	83535	2.60	ng/ul	98
20) Benzo(a)anthracene	22.22	228	45490	1.39	ng/ul#	91
21) Chrysene	22.27	228	57719	1.88	ng/ul#	94
23) Benzo(b)fluoranthene	24.07	252	107564	3.30	ng/ul#	92
26) Benzo(a)pyrene	24.79	252	56826	1.83	ng/ul#	89
27) Indeno(1,2,3-cd)pyrene	27.73	276	45452	1.27	ng/ul	95
29) Benzo(g,h,i)perylene	28.61	276	68434	2.30	ng/ul	96

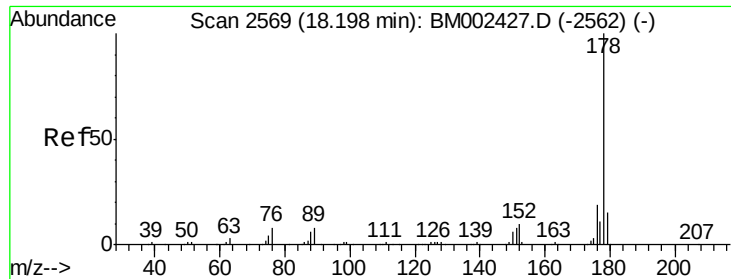
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Phenanthrene

Concen: 1.14 ng/ul

RT: 18.20 min Scan# 2569

Delta R.T. 0.00 min

Lab File: BM002438.D

Acq: 15 Aug 2015 23:16

Instrument :

BNA_M

ClientSampleId :

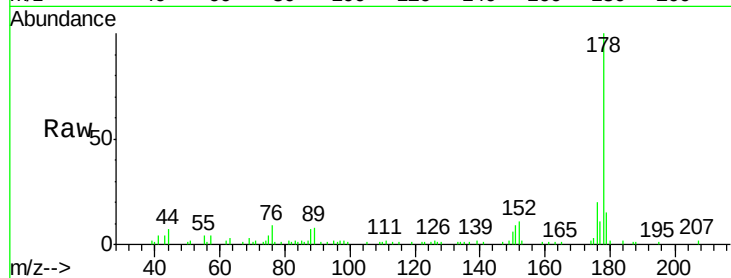
Tot Ion:178 Resp: 54626

Ion Ratio Lower Upper

178 100

179 15.0 12.4 18.6

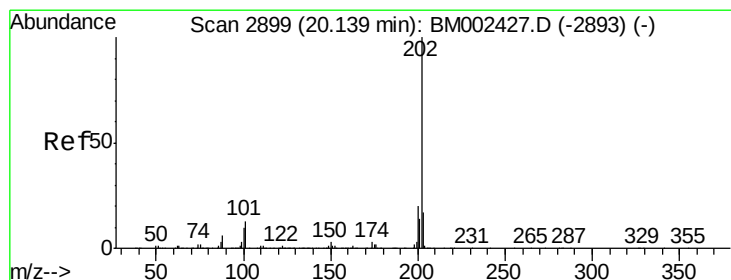
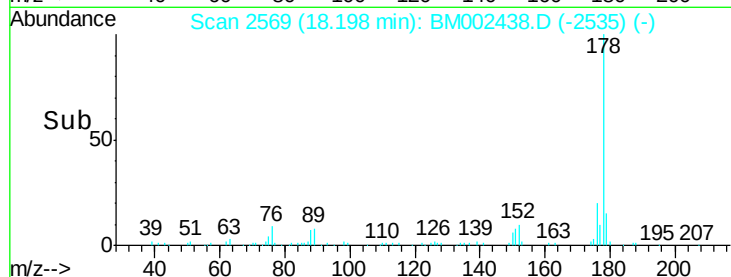
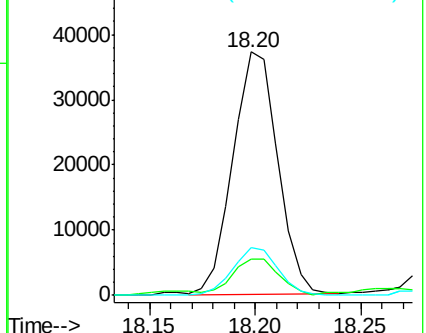
176 19.6 15.1 22.7



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: 1.61 ng/ul

RT: 20.14 min Scan# 2900

Delta R.T. 0.01 min

Lab File: BM002438.D

Acq: 15 Aug 2015 23:16

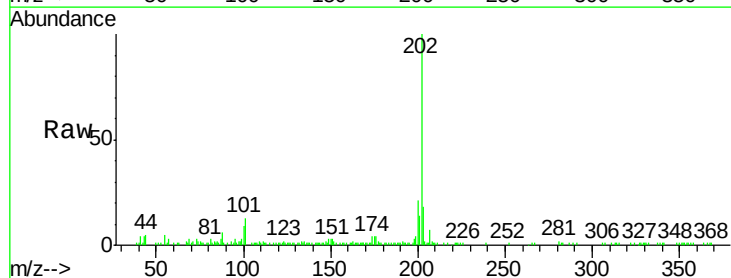
Tgt Ion:202 Resp: 87127

Ion Ratio Lower Upper

202 100

101 12.9 9.7 14.5

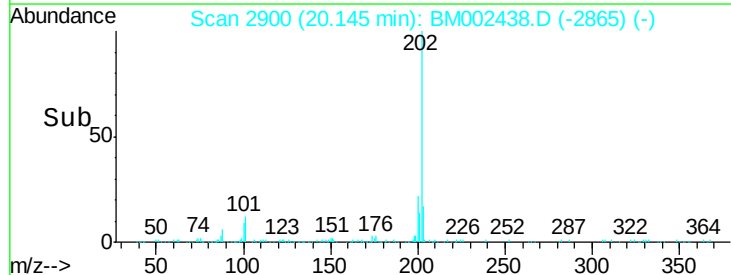
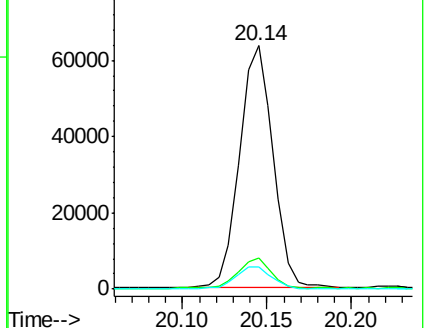
100 9.2 7.4 11.2

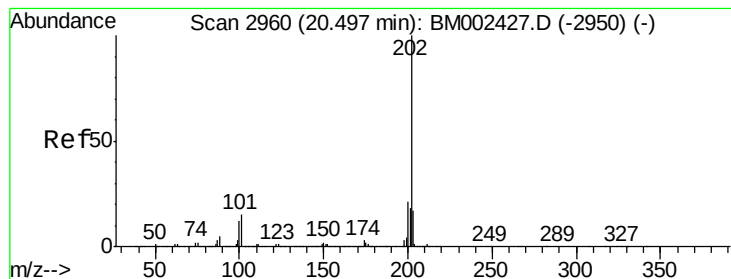


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pvrene

Concen: 2.60 ng/ul

RT: 20.50 min Scan# 2960

Delta R.T. 0.00 min

Lab File: BM002438.D

Acq: 15 Aug 2015 23:16

Instrument :

BNA_M

ClientSampleId :

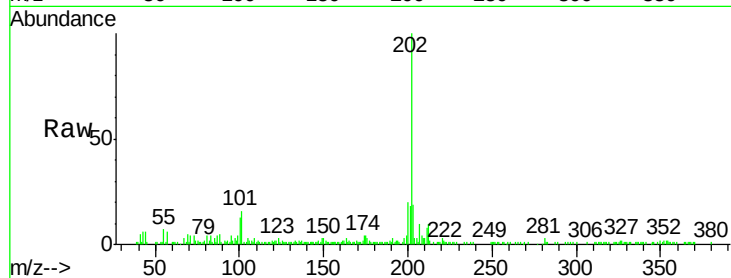
Tot Ion:202 Resp: 83535

Ion Ratio Lower Upper

202 100

101 15.9 12.0 18.0

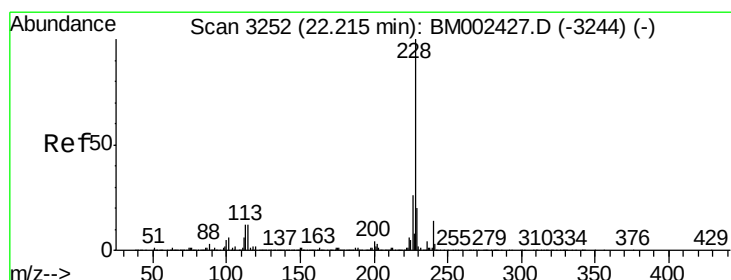
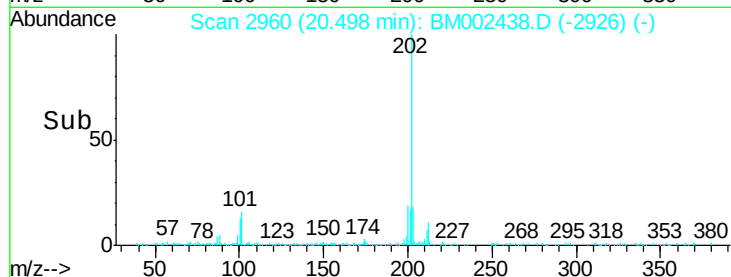
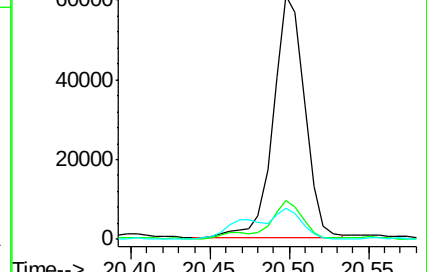
100 12.6 9.7 14.5



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): E



#20

Benzo(a)anthracene

Concen: 1.39 ng/ul

RT: 22.22 min Scan# 3252

Delta R.T. 0.00 min

Lab File: BM002438.D

Acq: 15 Aug 2015 23:16

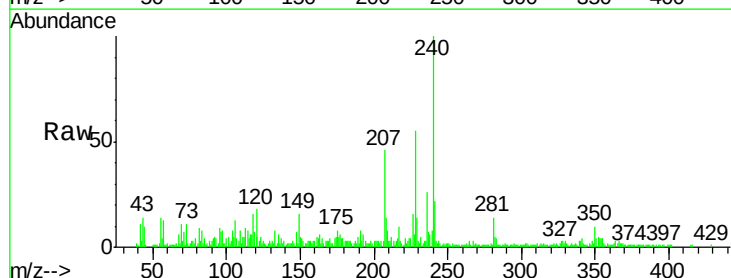
Tgt Ion:228 Resp: 45490

Ion Ratio Lower Upper

228 100

229 25.4 15.8 23.6#

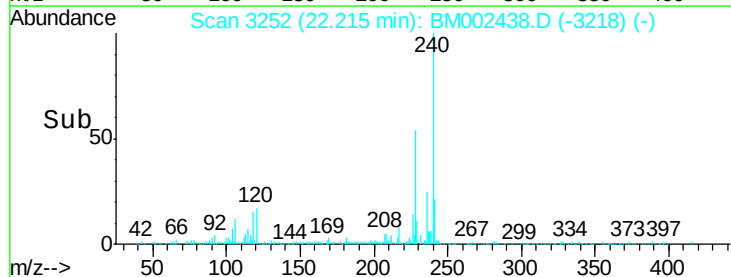
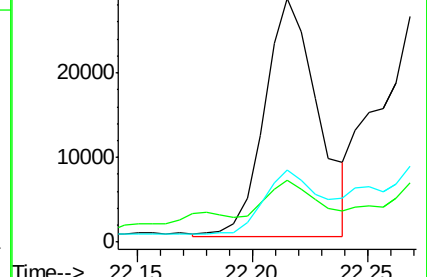
226 29.7 21.1 31.7

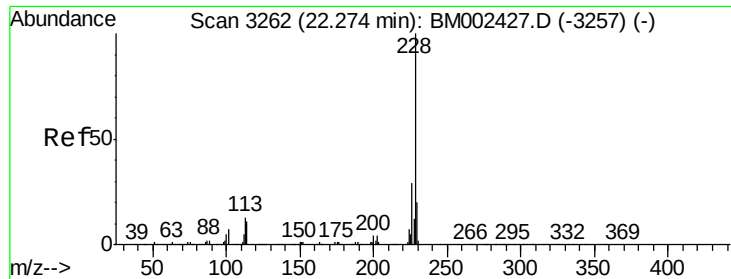


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 1.88 ng/ul

RT: 22.27 min Scan# 3262

Delta R.T. 0.00 min

Lab File: BM002438.D

Acq: 15 Aug 2015 23:16

Instrument :

BNA_M

ClientSampleId :

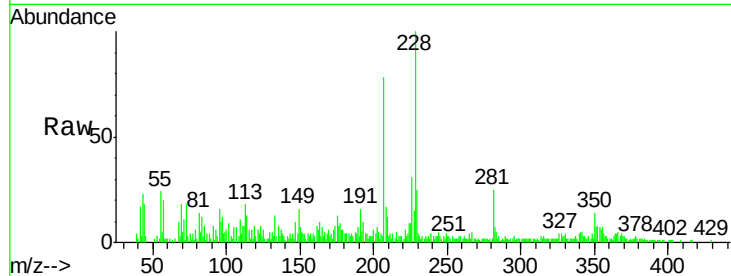
Tot Ion:228 Resp: 57719

Ion Ratio Lower Upper

228 100

226 30.8 23.4 35.2

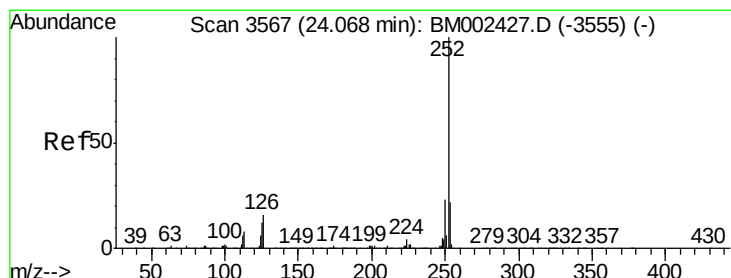
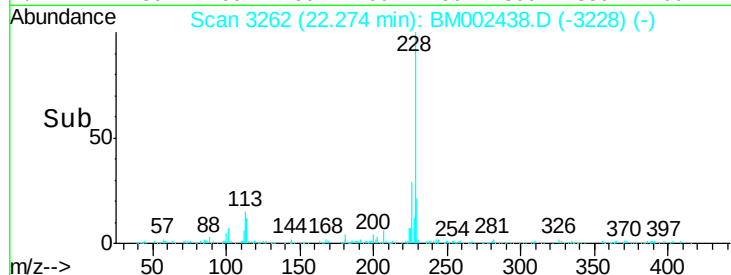
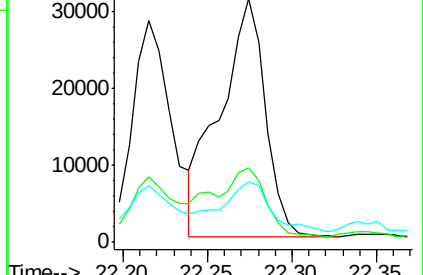
229 25.0 15.7 23.5#



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: 3.30 ng/ul

RT: 24.07 min Scan# 3568

Delta R.T. 0.01 min

Lab File: BM002438.D

Acq: 15 Aug 2015 23:16

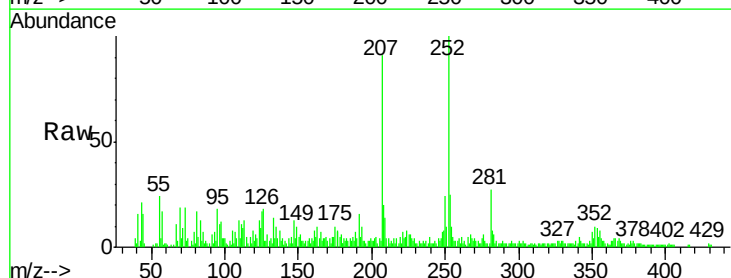
Tgt Ion:252 Resp: 107564

Ion Ratio Lower Upper

252 100

253 25.0 17.4 26.0

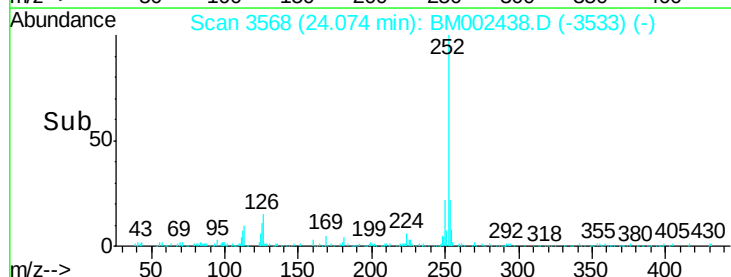
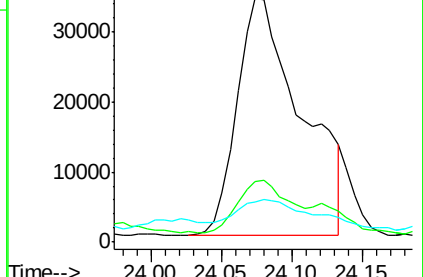
125 16.6 10.0 15.0#

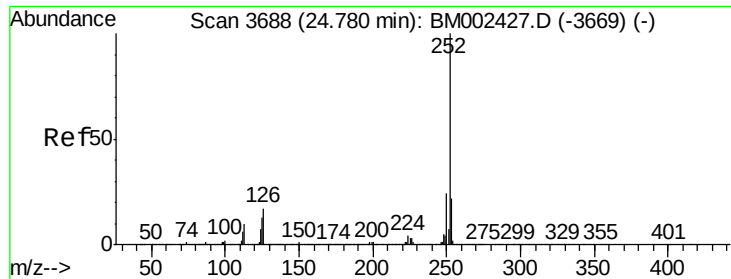


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 1.83 ng/ul

RT: 24.79 min Scan# 3689

Delta R.T. 0.01 min

Lab File: BM002438.D

Acq: 15 Aug 2015 23:16

Instrument :

BNA_M

ClientSampleId :

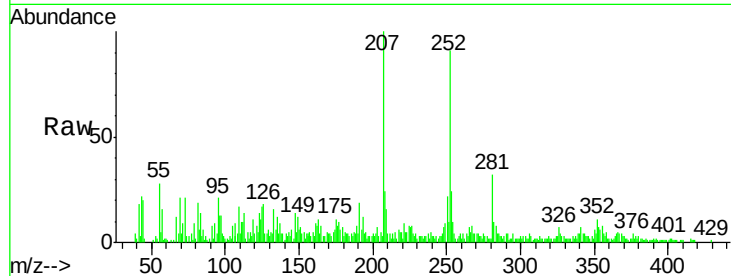
Tot Ion:252 Resp: 56826

Ion Ratio Lower Upper

252 100

253 26.6 17.6 26.4#

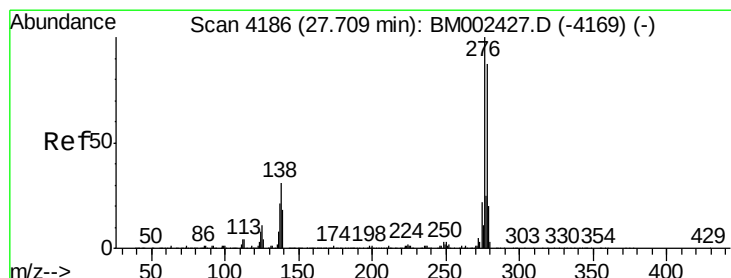
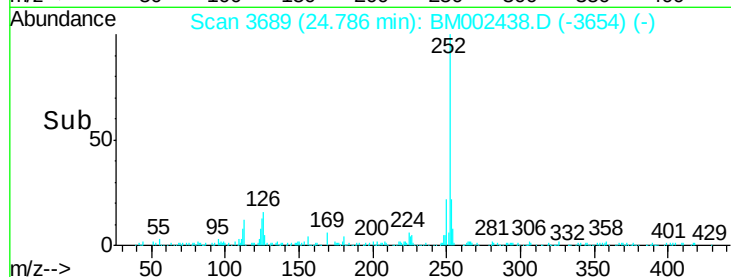
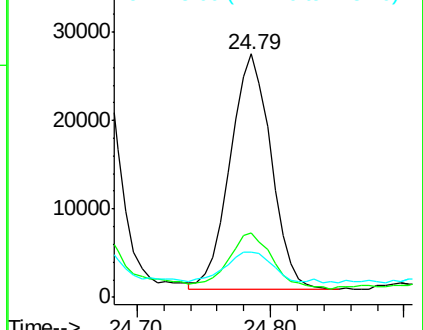
125 18.7 10.7 16.1#



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: 1.27 ng/ul

RT: 27.73 min Scan# 4189

Delta R.T. 0.02 min

Lab File: BM002438.D

Acq: 15 Aug 2015 23:16

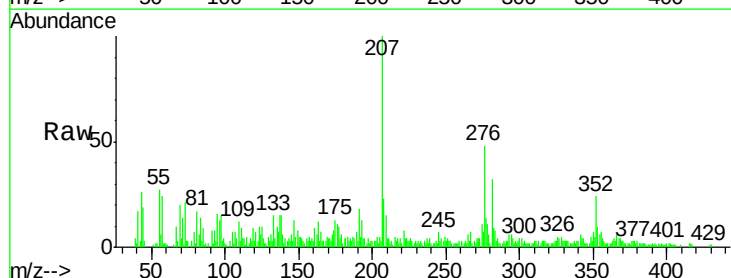
Tgt Ion:276 Resp: 45452

Ion Ratio Lower Upper

276 100

138 30.5 25.3 37.9

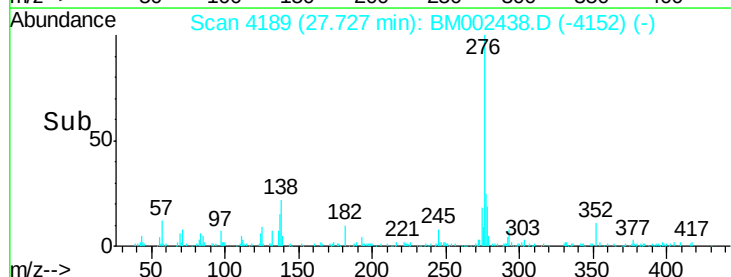
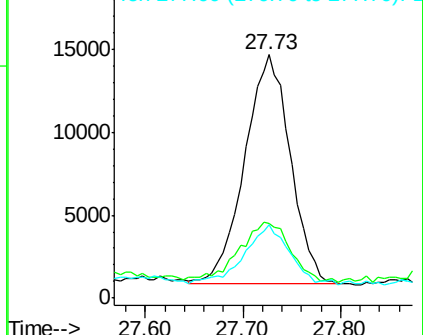
277 29.9 20.2 30.2

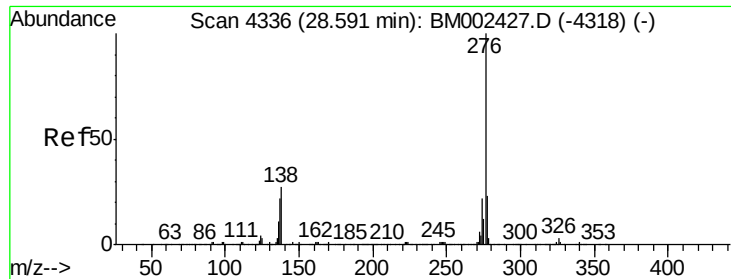


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Benzo(a,h,i)perylene

Concen: 2.30 ng/ul

RT: 28.61 min Scan# 4339

Delta R.T. 0.02 min

Lab File: BM002438.D

Acq: 15 Aug 2015 23:16

Instrument :

BNA_M

ClientSampleId :

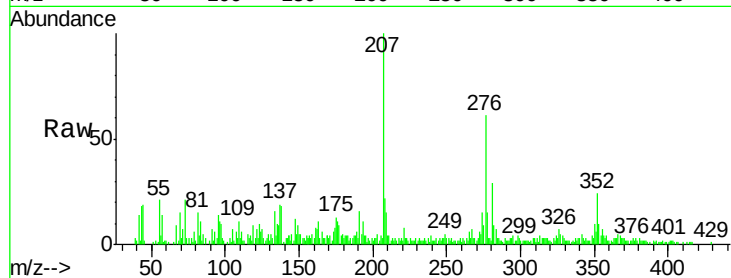
Tot Ion: 276 Resp: 68434

Ion Ratio Lower Upper

276 100

138 29.6 21.0 31.6

277 24.5 19.2 28.8



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

