

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002404.D
 Acq On : 15 Aug 2015 02:30
 Operator : UM/IZ
 Sample : G3219-03DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 17 02:06:00 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 17 02:04:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	129891	20.00	ng/ul	0.00
2) Naphthalene-d8	11.73	136	659203	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	378242	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.15	188	800729	20.00	ng/ul	0.00
17) Chrysene-d12	22.23	240	833806	20.00	ng/ul	0.00
22) Perylene-d12	24.89	264	762134	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.15	160	179793	4.65	ng/ul	0.00
10) Fluorene-d10	16.42	176	126970	4.67	ng/ul	0.00
14) Anthracene-d10	18.24	188	179639	4.65	ng/ul	0.00
18) Pyrene-d10	20.46	212	184377	4.99	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.71	264	167094	4.17	ng/ul	0.00

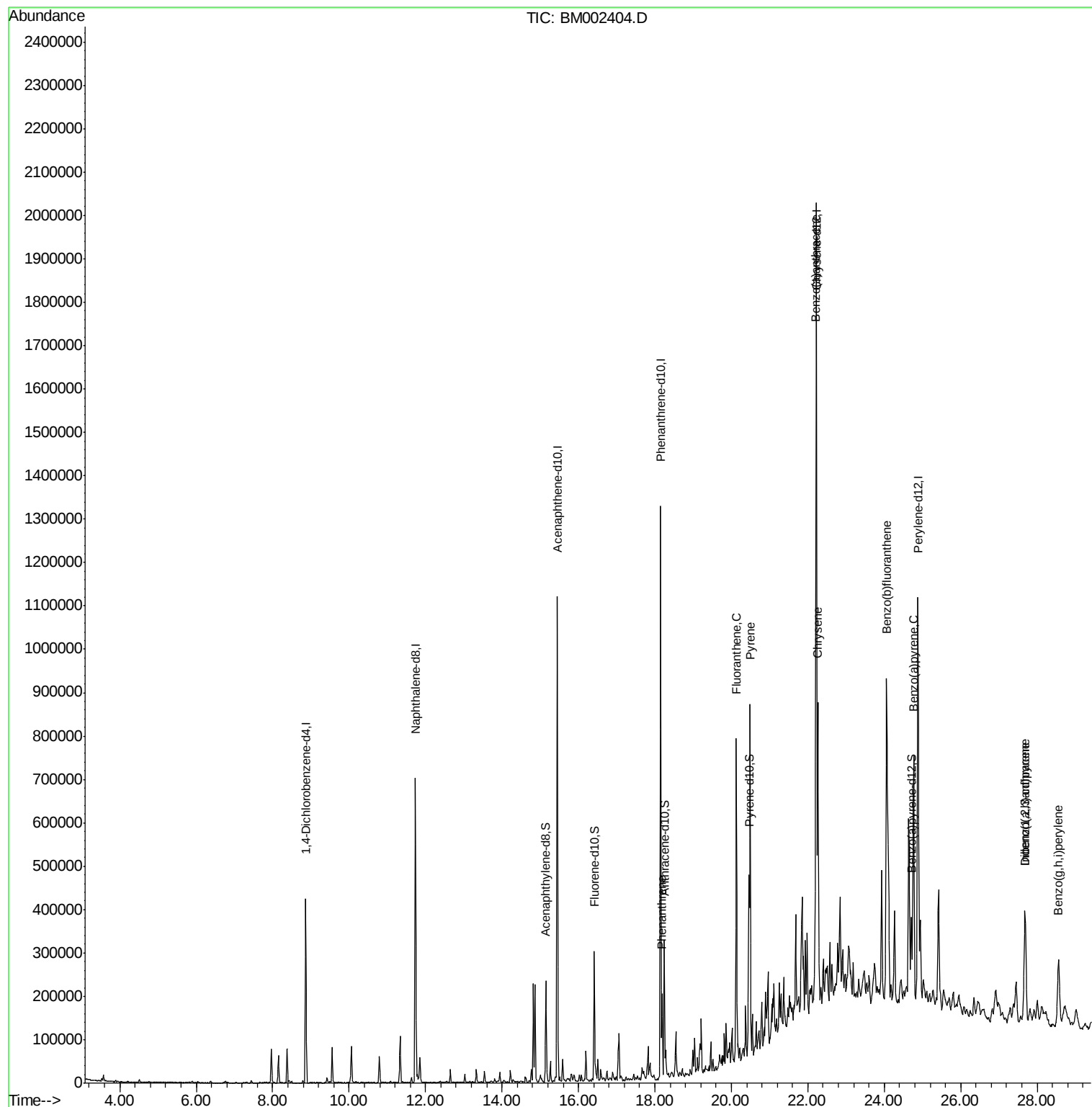
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Phenanthrene	18.19	178	117017	2.53	ng/ul	99
16) Fluoranthene	20.13	202	454898	8.69	ng/ul	99
19) Pyrene	20.49	202	479763	9.82	ng/ul	98
20) Benzo(a)anthracene	22.21	228	481706	9.66	ng/ul	99
21) Chrysene	22.26	228	432001	9.26	ng/ul	97
23) Benzo(b)fluoranthene	24.06	252	691078	15.00	ng/ul	99
26) Benzo(a)pyrene	24.77	252	451269	10.25	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	27.69	276	256042	5.06	ng/ul#	92
28) Dibenzo(a,h)anthracene	27.69	278	76643	1.81	ng/ul#	74
29) Benzo(g,h,i)perylene	28.56	276	199572	4.74	ng/ul	99

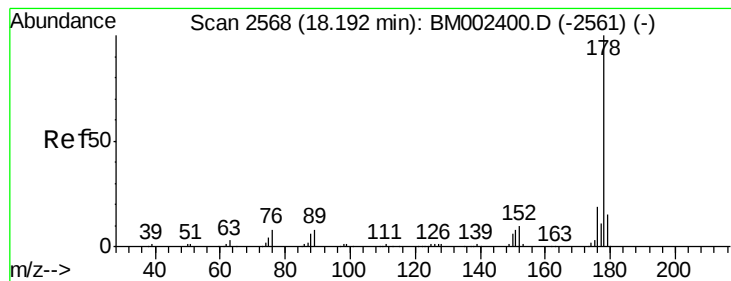
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 17 02:04:41 2015
Response via : Initial Calibration





#13

Phenanthrene

Concen: 2.53 ng/ul

RT: 18.19 min Scan# 2568

Delta R.T. 0.00 min

Lab File: BM002404.D

Acq: 15 Aug 2015 02:30

Instrument :

BNA_M

ClientSampleId :

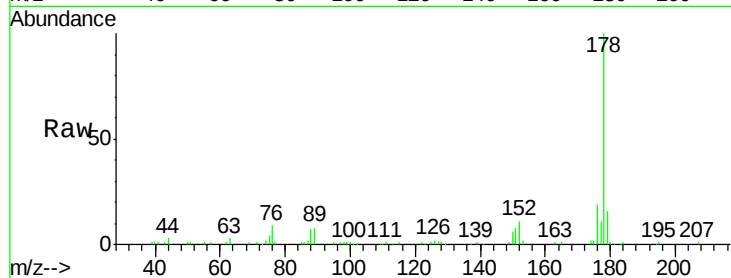
Tot Ion:178 Resp: 117017

Ion Ratio Lower Upper

178 100

179 16.0 12.4 18.6

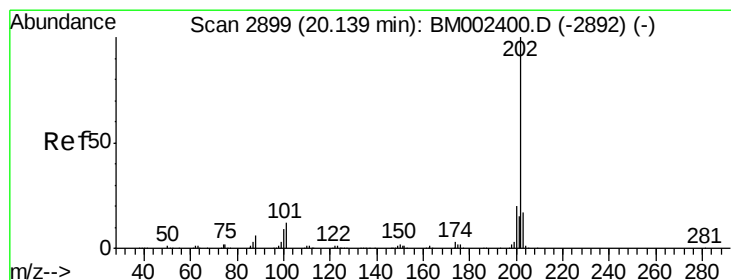
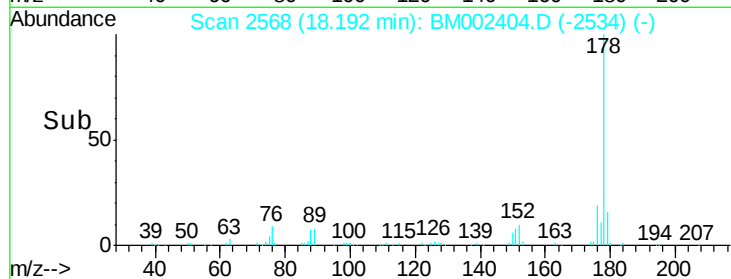
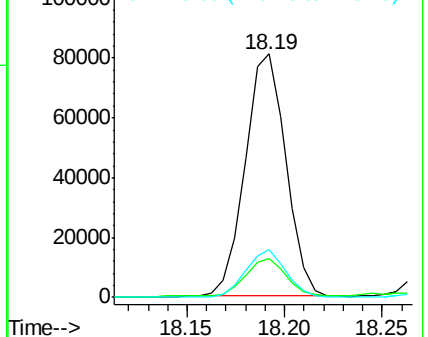
176 19.4 15.1 22.7



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: 8.69 ng/ul

RT: 20.13 min Scan# 2898

Delta R.T. -0.01 min

Lab File: BM002404.D

Acq: 15 Aug 2015 02:30

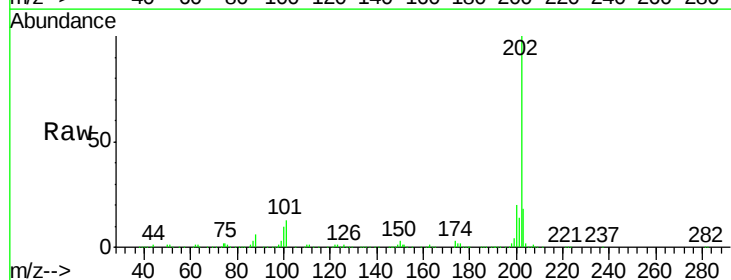
Tgt Ion:202 Resp: 454898

Ion Ratio Lower Upper

202 100

101 12.6 9.7 14.5

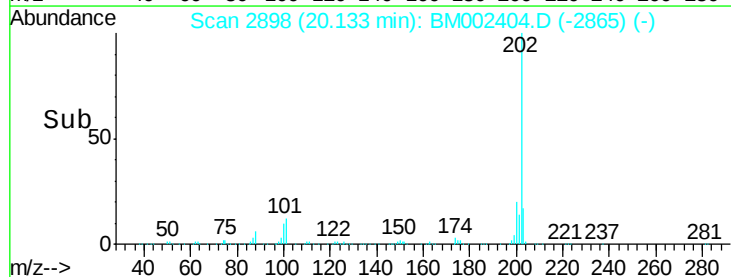
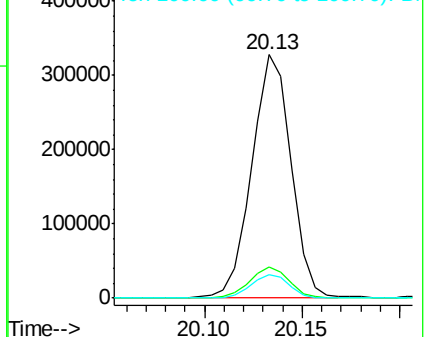
100 9.7 7.4 11.2

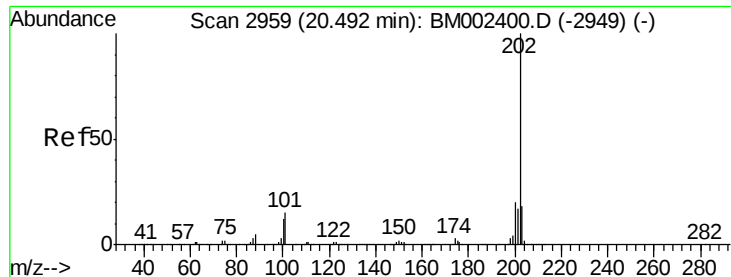


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pvrene

Concen: 9.82 ng/ul

RT: 20.49 min Scan# 2959

Delta R.T. 0.00 min

Lab File: BM002404.D

Acq: 15 Aug 2015 02:30

Instrument :

BNA_M

ClientSampleId :

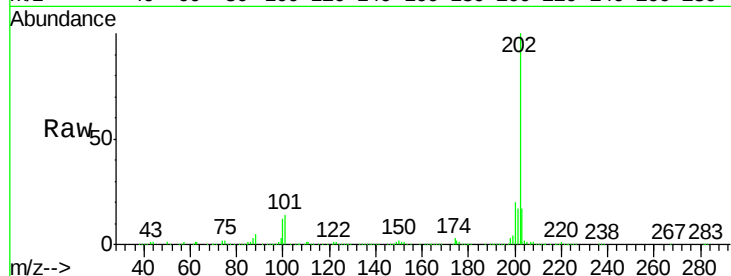
Tot Ion:202 Resp: 479763

Ion Ratio Lower Upper

202 100

101 14.2 12.0 18.0

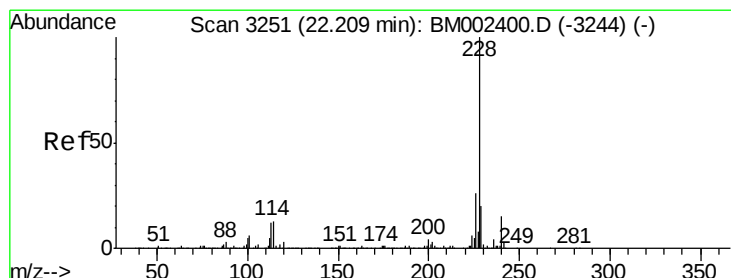
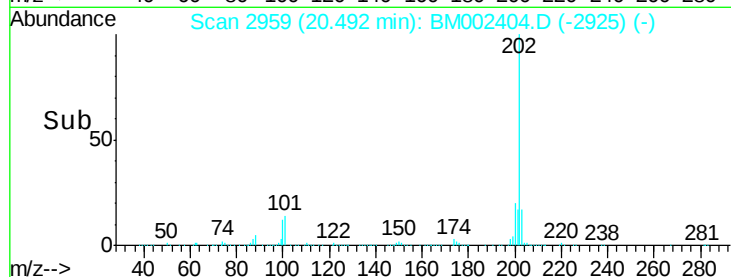
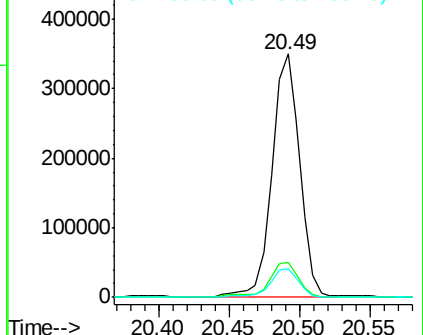
100 11.5 9.7 14.5



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): B



#20

Benzo(a)anthracene

Concen: 9.66 ng/ul

RT: 22.21 min Scan# 3251

Delta R.T. 0.00 min

Lab File: BM002404.D

Acq: 15 Aug 2015 02:30

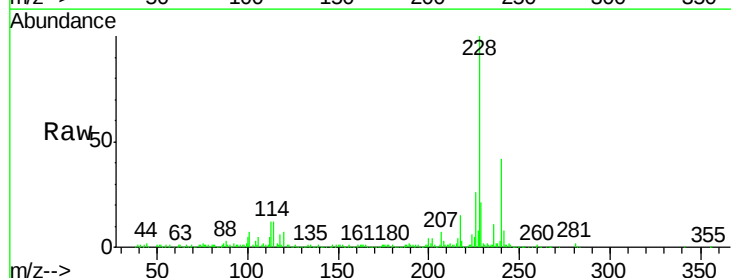
Tgt Ion:228 Resp: 481706

Ion Ratio Lower Upper

228 100

229 21.2 15.8 23.6

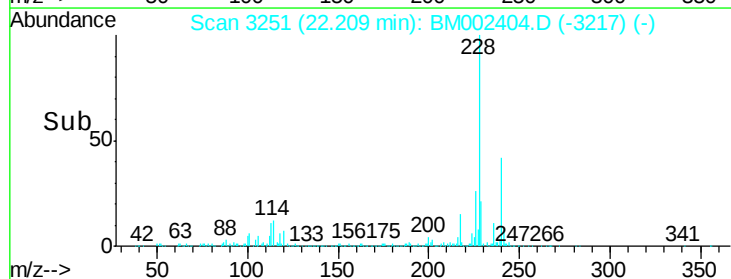
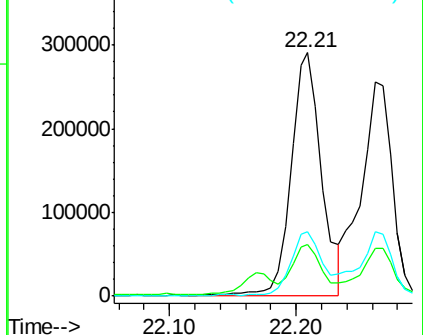
226 26.4 21.1 31.7

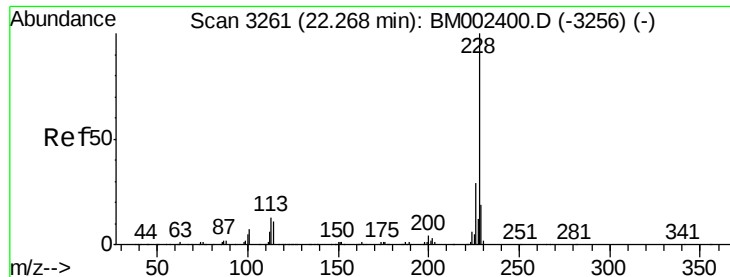


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 9.26 ng/ul

RT: 22.26 min Scan# 3260

Delta R.T. -0.01 min

Lab File: BM002404.D

Acq: 15 Aug 2015 02:30

Instrument :

BNA_M

ClientSampleId :

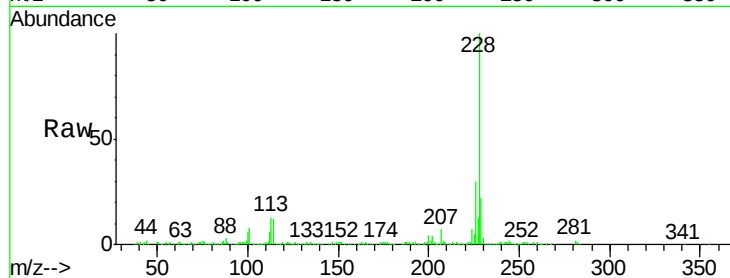
Tot Ion:228 Resp: 432001

Ion Ratio Lower Upper

228 100

226 30.0 23.4 35.2

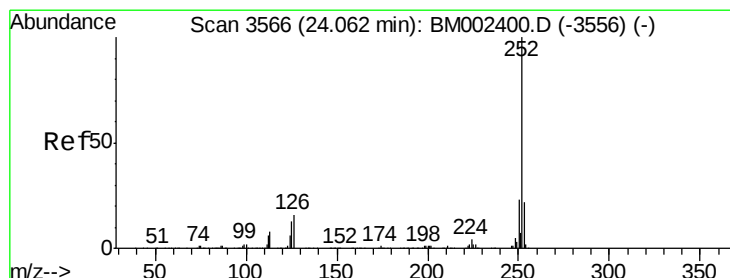
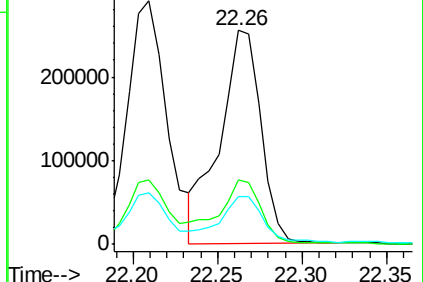
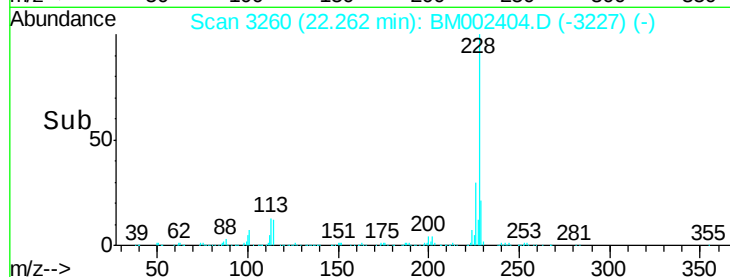
229 22.3 15.7 23.5



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: 15.00 ng/ul

RT: 24.06 min Scan# 3566

Delta R.T. 0.00 min

Lab File: BM002404.D

Acq: 15 Aug 2015 02:30

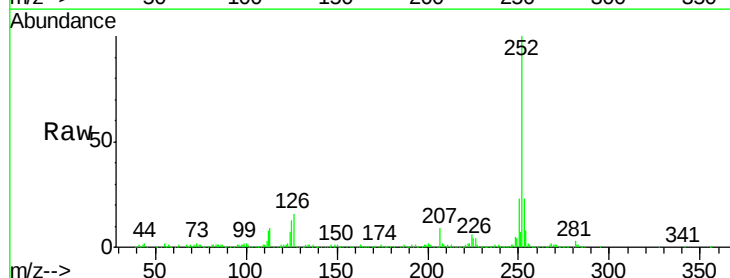
Tgt Ion:252 Resp: 691078

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

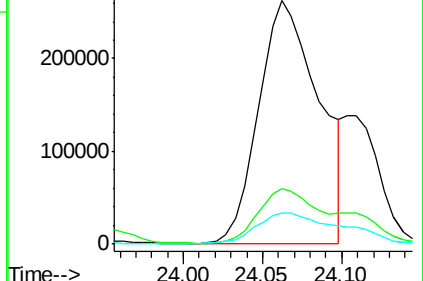
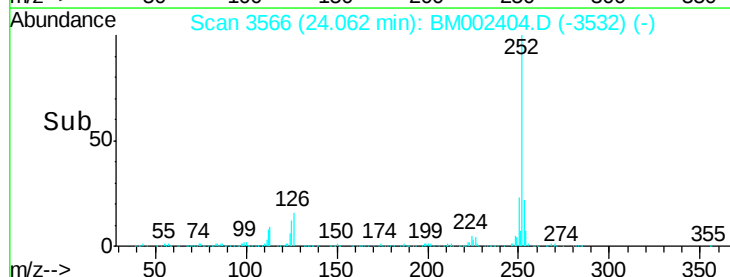
125 12.7 10.0 15.0

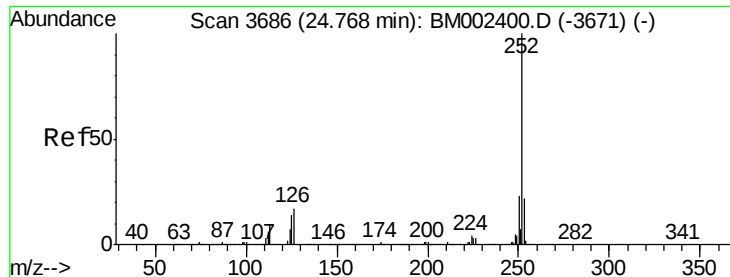


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

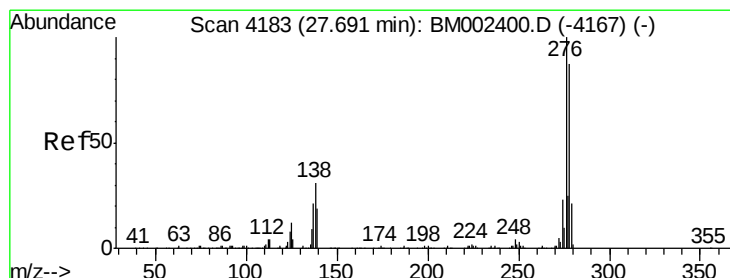
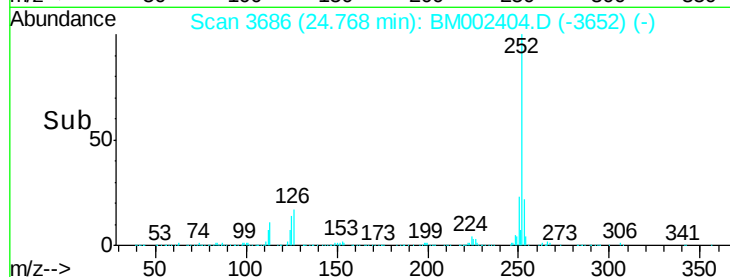
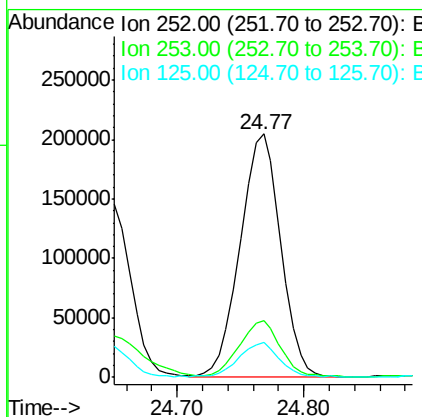
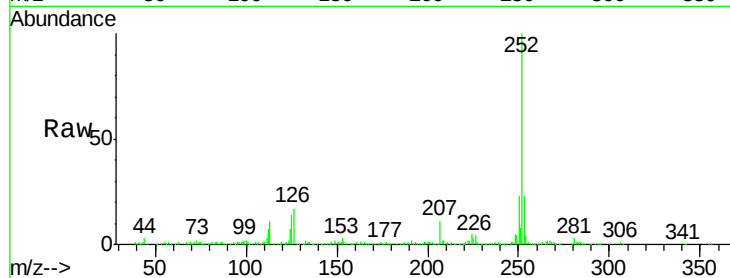




#26
Benzo(a)pyrene
Concen: 10.25 ng/ul
RT: 24.77 min Scan# 3686
Delta R.T. 0.00 min
Lab File: BM002404.D
Acq: 15 Aug 2015 02:30

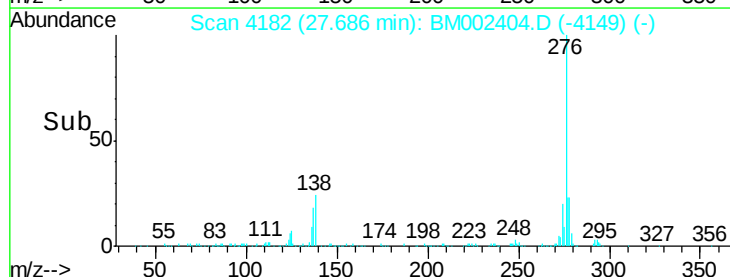
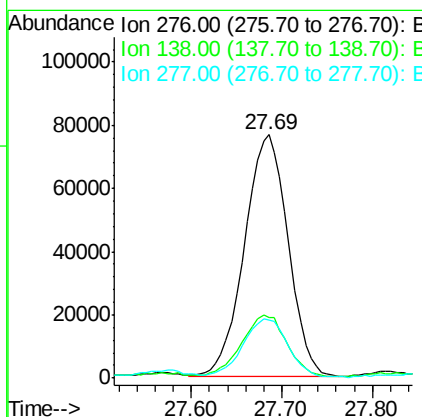
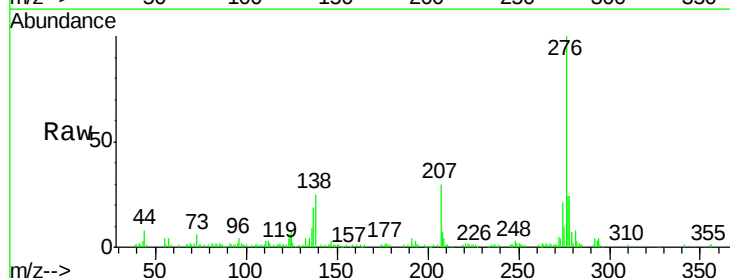
Instrument :
BNA_M
ClientSampleID :

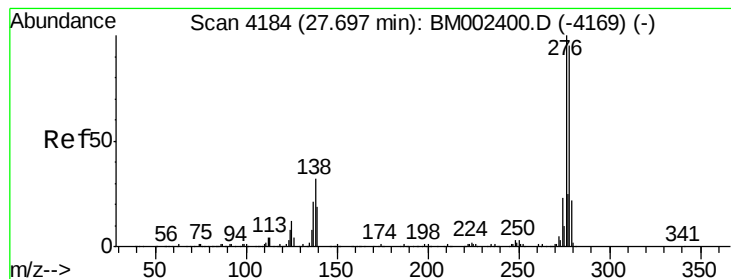
Tot Ion:252 Resp: 451269
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 14.4 10.7 16.1



#27
Indeno(1,2,3-cd)pyrene
Concen: 5.06 ng/ul
RT: 27.69 min Scan# 4182
Delta R.T. -0.01 min
Lab File: BM002404.D
Acq: 15 Aug 2015 02:30

Tgt Ion:276 Resp: 256042
Ion Ratio Lower Upper
276 100
138 24.8 25.3 37.9#
277 24.0 20.2 30.2





#28

Dibenzo(a,h)anthracene

Concen: 1.81 ng/ul

RT: 27.69 min Scan# 4182

Delta R.T. -0.01 min

Lab File: BM002404.D

Acq: 15 Aug 2015 02:30

Instrument :

BNA_M

ClientSampled :

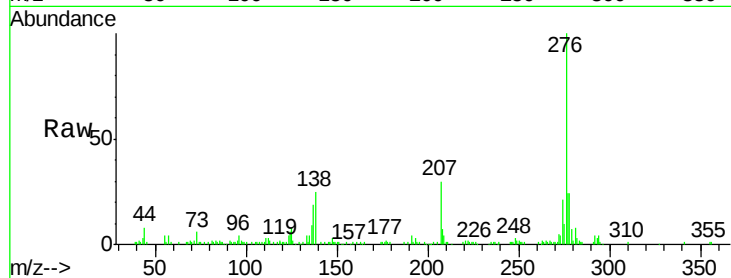
Tot Ion:278 Resp: 76643

Ion Ratio Lower Upper

278 100

139 0.0 16.5 24.7#

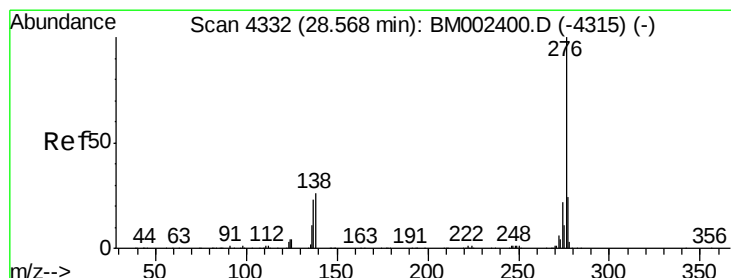
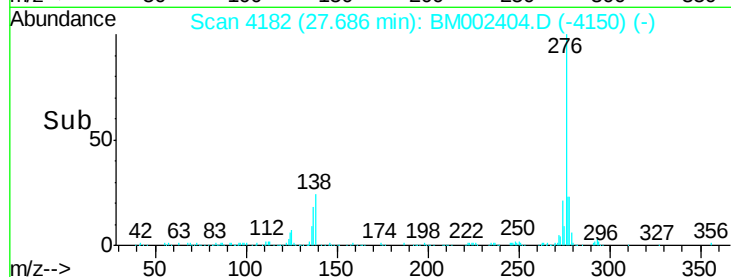
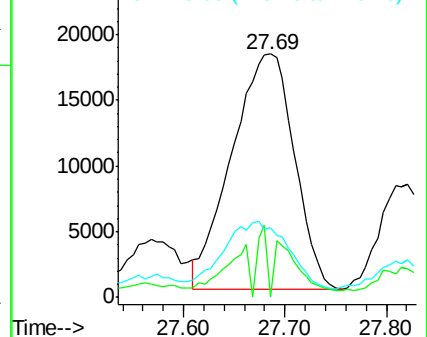
279 28.7 18.8 28.2#



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: 4.74 ng/ul

RT: 28.56 min Scan# 4331

Delta R.T. -0.01 min

Lab File: BM002404.D

Acq: 15 Aug 2015 02:30

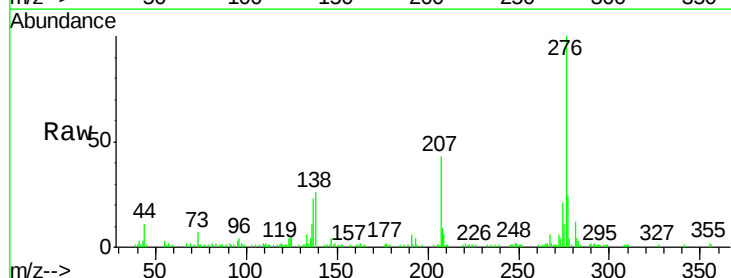
Tgt Ion:276 Resp: 199572

Ion Ratio Lower Upper

276 100

138 25.9 21.0 31.6

277 23.7 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

