

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081215\
 Data File : BM002368.D
 Acq On : 12 Aug 2015 19:32
 Operator : UM/IZ
 Sample : G3163-13
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9C98

Quant Time: Aug 13 00:46:22 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 13 00:45:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	217019	20.00	ng/ul	0.00
2) Naphthalene-d8	11.78	136	984062	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.49	164	517368	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.20	188	914007	20.00	ng/ul	0.00
17) Chrysene-d12	22.29	240	647771	20.00	ng/ul	0.00
22) Perylene-d12	24.99	264	645420	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.19	160	1084769	20.24	ng/ul	0.00
10) Fluorene-d10	16.46	176	687964	18.46	ng/ul	0.00
14) Anthracene-d10	18.30	188	855501	19.29	ng/ul	0.00
18) Pyrene-d10	20.52	212	662149	21.08	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.81	264	528900	15.43	ng/ul	0.00

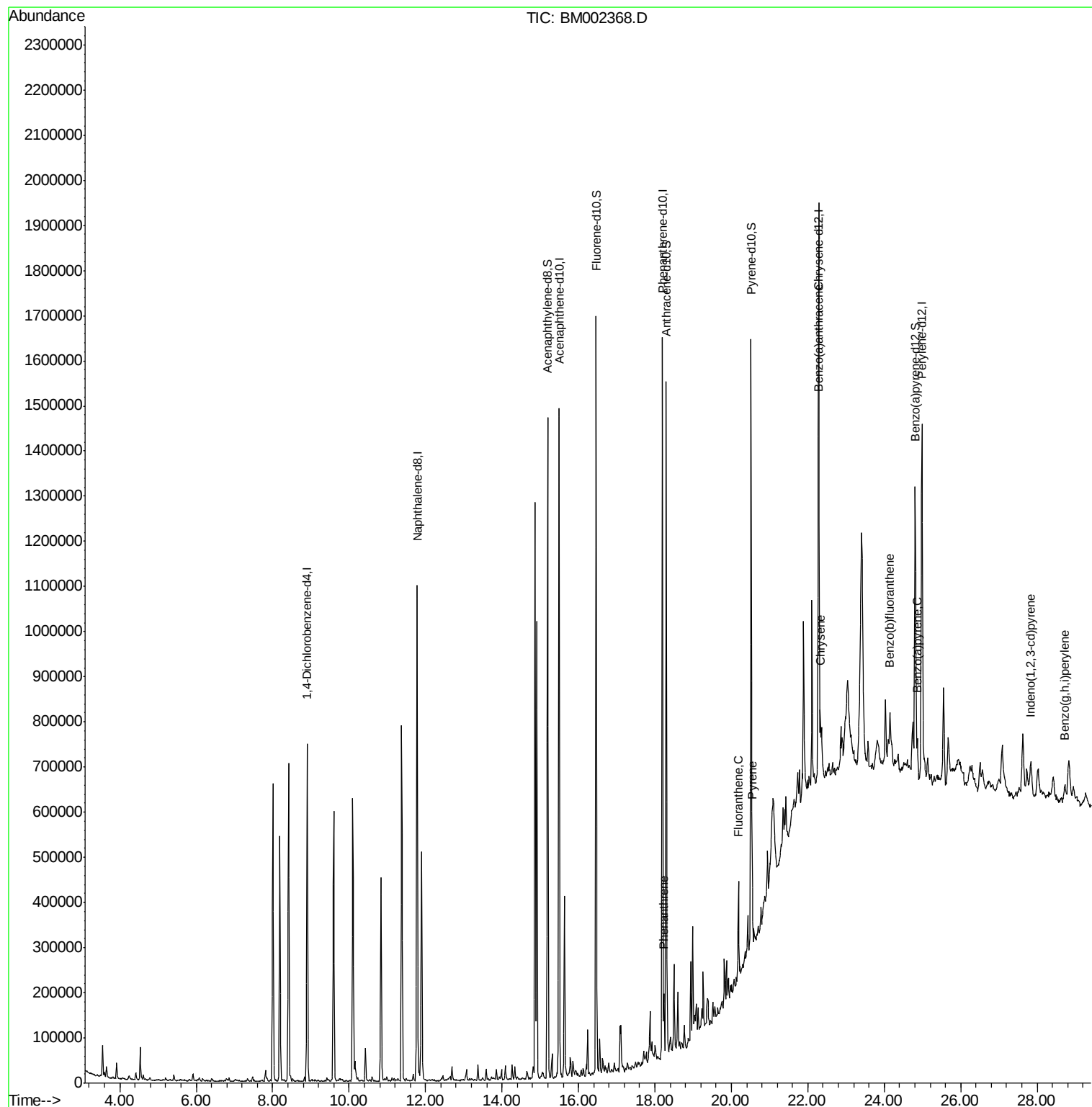
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Phenanthrene	18.24	178	82461	1.57	ng/ul	99
16) Fluoranthene	20.19	202	128120	2.20	ng/ul	99
19) Pyrene	20.54	202	113886	2.72	ng/ul	95
20) Benzo(a)anthracene	22.27	228	66286	1.68	ng/ul#	91
21) Chrysene	22.33	228	70800	1.89	ng/ul#	90
23) Benzo(b)fluoranthene	24.15	252	109485	2.73	ng/ul#	88
26) Benzo(a)pyrene	24.86	252	61985	1.61	ng/ul#	81
27) Indeno(1,2,3-cd)pyrene	27.84	276	47651	1.08	ng/ul	98
29) Benzo(g,h,i)perylene	28.72	276	45304	1.22	ng/ul#	85

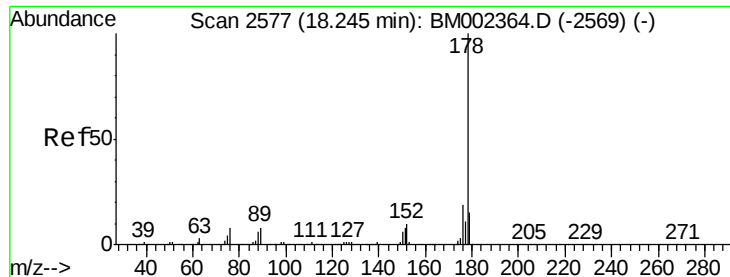
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Phenanthrene

Concen: 1.57 ng/ul

RT: 18.24 min Scan# 2576

Delta R.T. -0.01 min

Lab File: BM002368.D

Acq: 12 Aug 2015 19:32

Instrument :

BNA_M

ClientSampleId :

D9C98

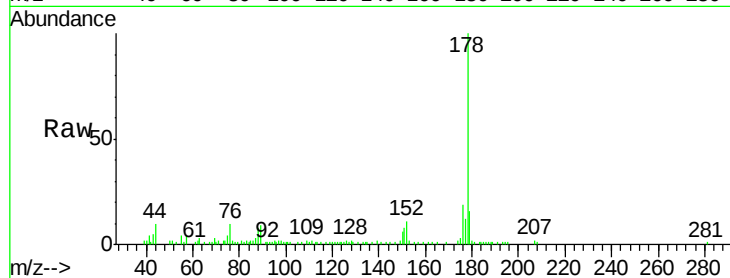
Tgt Ion:178 Resp: 82461

Ion Ratio Lower Upper

178 100

179 15.8 12.3 18.5

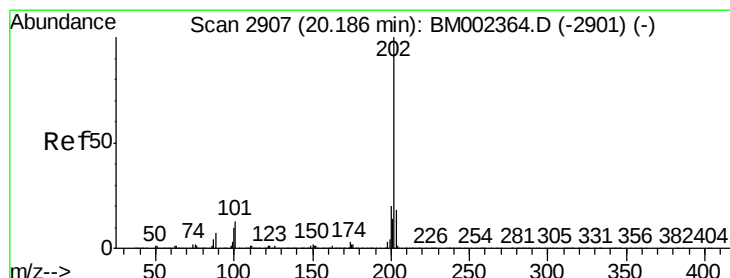
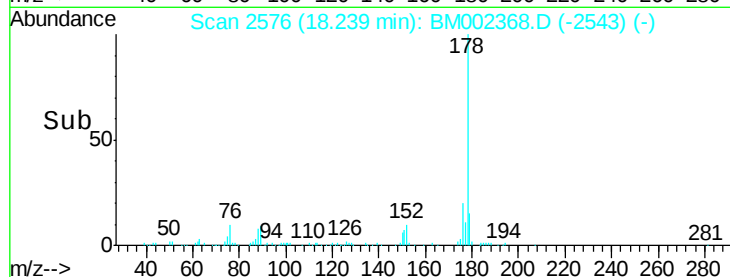
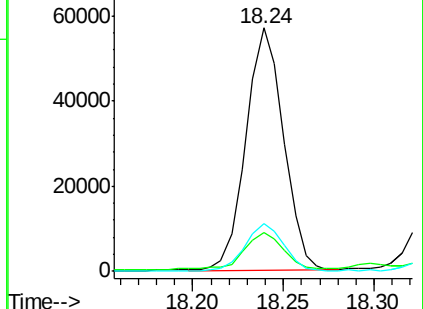
176 19.4 15.3 22.9



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: 2.20 ng/ul

RT: 20.19 min Scan# 2907

Delta R.T. 0.00 min

Lab File: BM002368.D

Acq: 12 Aug 2015 19:32

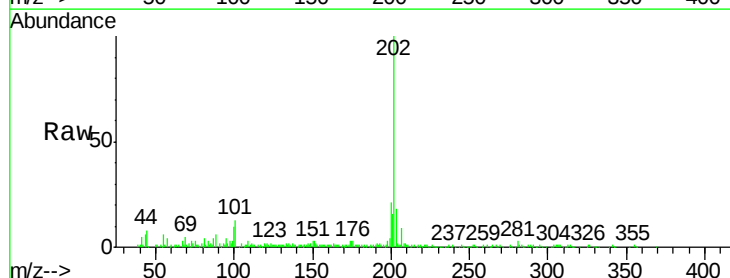
Tgt Ion:202 Resp: 128120

Ion Ratio Lower Upper

202 100

101 12.9 10.6 15.8

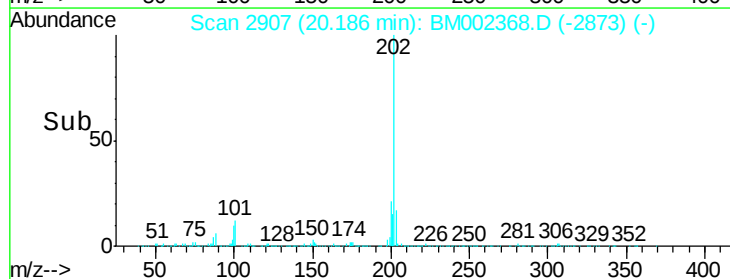
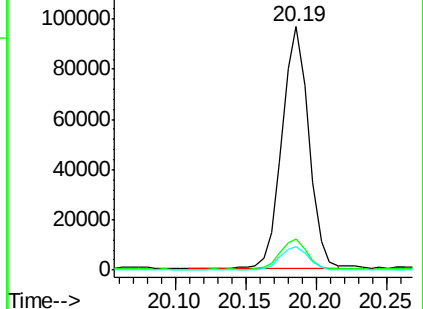
100 9.6 8.2 12.4

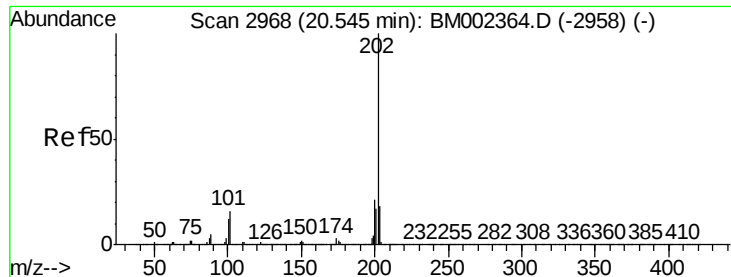


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pyrene

Concen: 2.72 ng/ul

RT: 20.54 min Scan# 2968

Delta R.T. 0.00 min

Lab File: BM002368.D

Acq: 12 Aug 2015 19:32

Instrument :

BNA_M

ClientSampleId :

D9C98

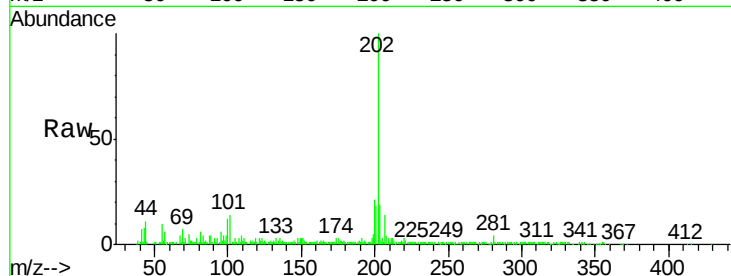
Tgt Ion:202 Resp: 113886

Ion Ratio Lower Upper

202 100

101 14.2 13.0 19.6

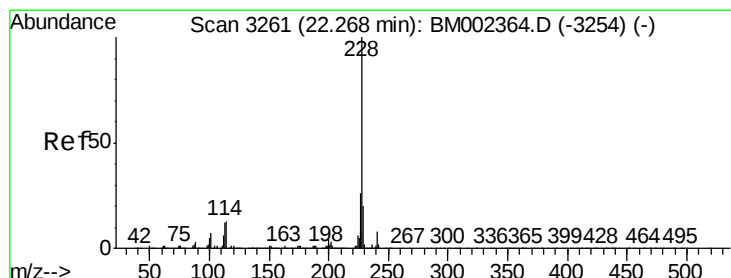
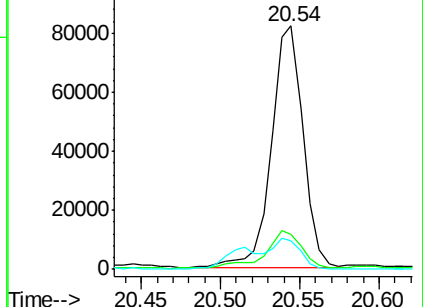
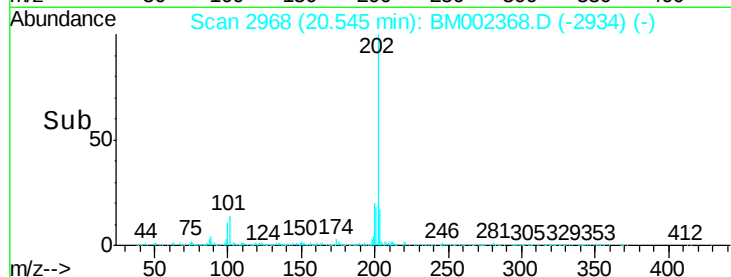
100 11.6 11.0 16.4



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: 1.68 ng/ul

RT: 22.27 min Scan# 3261

Delta R.T. 0.00 min

Lab File: BM002368.D

Acq: 12 Aug 2015 19:32

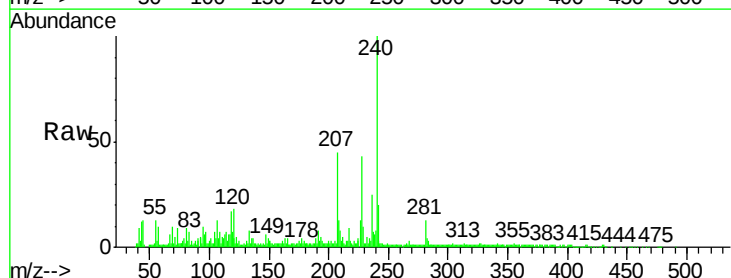
Tgt Ion:228 Resp: 66286

Ion Ratio Lower Upper

228 100

229 24.4 15.7 23.5#

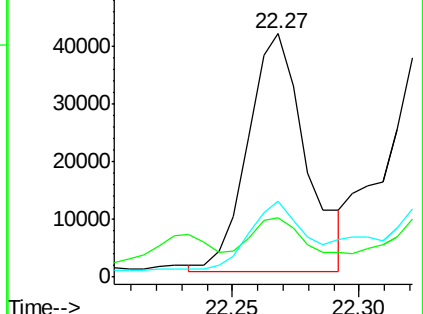
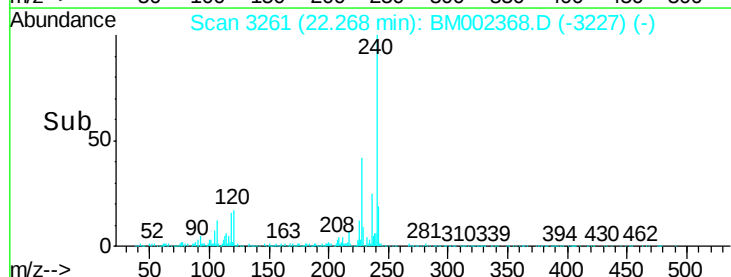
226 31.2 21.4 32.0

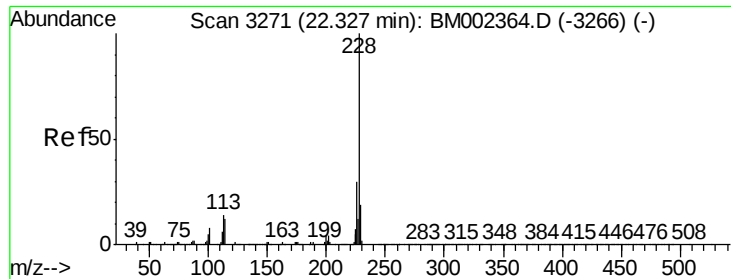


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 1.89 ng/ul

RT: 22.33 min Scan# 3271

Delta R.T. 0.00 min

Lab File: BM002368.D

Acq: 12 Aug 2015 19:32

Instrument :

BNA_M

ClientSampleId :

D9C98

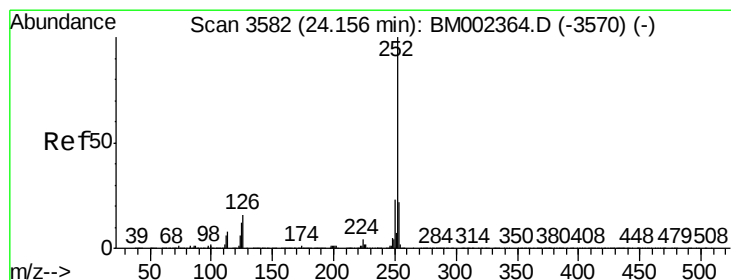
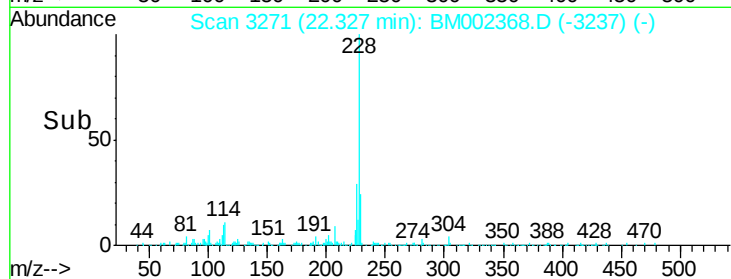
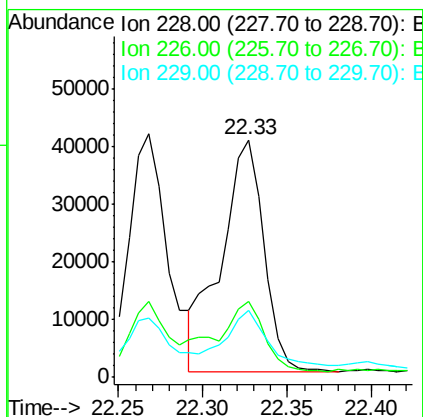
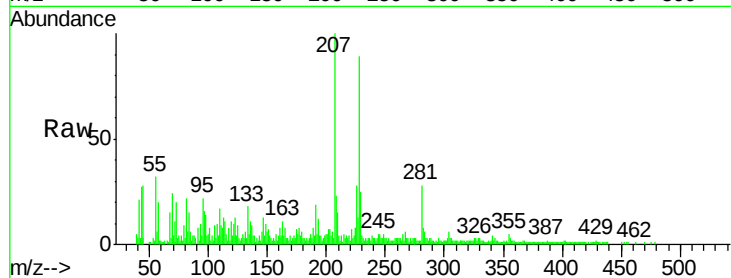
Tgt Ion:228 Resp: 70800

Ion Ratio Lower Upper

228 100

226 31.7 23.4 35.0

229 28.0 15.5 23.3#



#23

Benzo(b)fluoranthene

Concen: 2.73 ng/ul

RT: 24.15 min Scan# 3581

Delta R.T. -0.01 min

Lab File: BM002368.D

Acq: 12 Aug 2015 19:32

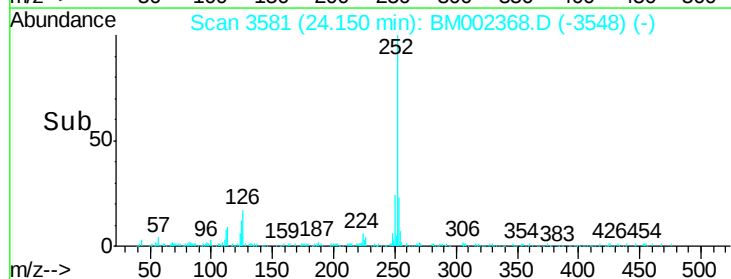
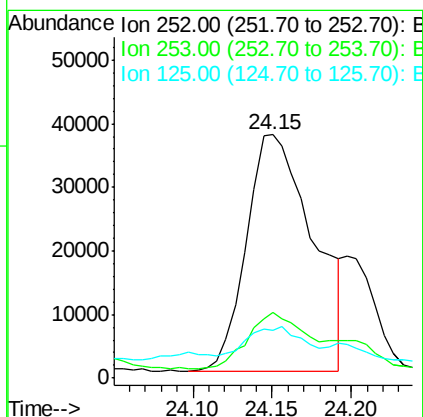
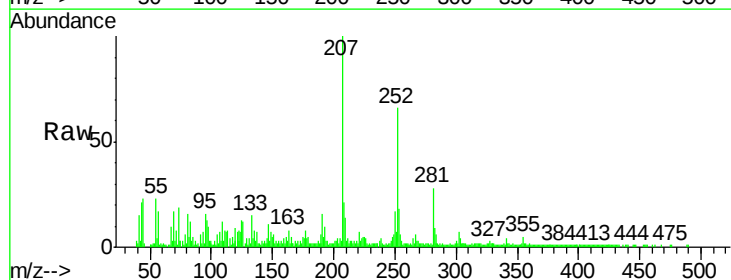
Tgt Ion:252 Resp: 109485

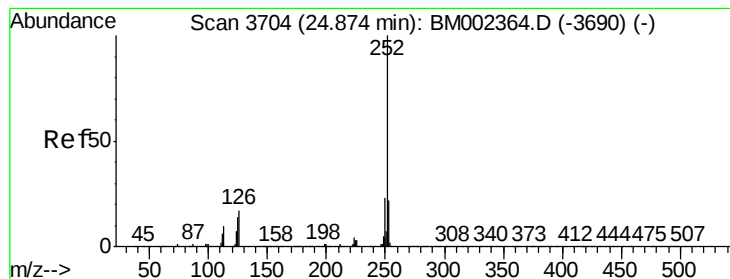
Ion Ratio Lower Upper

252 100

253 26.8 17.9 26.9

125 19.7 10.3 15.5#





#26

Benzo(a)pyrene

Concen: 1.61 ng/ul

RT: 24.86 min Scan# 3702

Delta R.T. -0.01 min

Lab File: BM002368.D

Acq: 12 Aug 2015 19:32

Instrument :

BNA_M

ClientSampleId :

D9C98

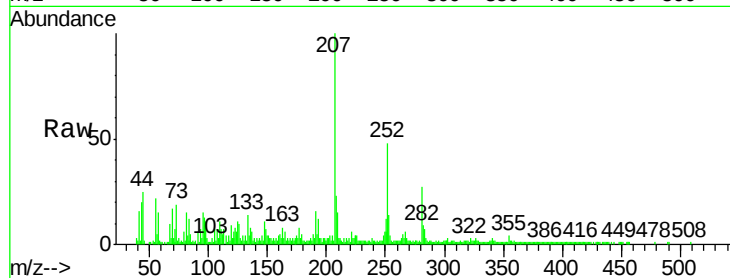
Tgt Ion:252 Resp: 61985

Ion Ratio Lower Upper

252 100

253 28.6 17.3 25.9#

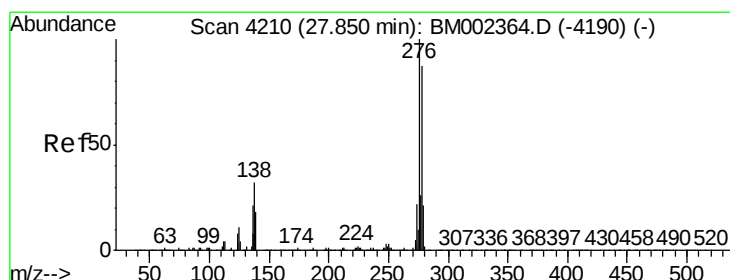
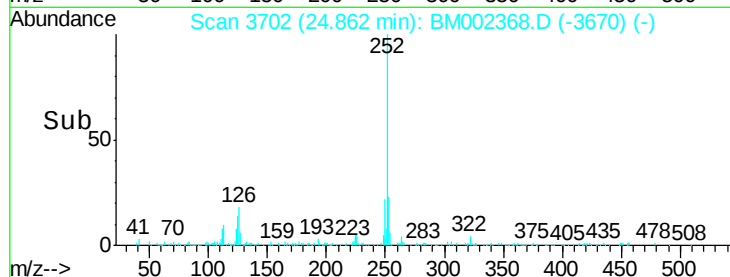
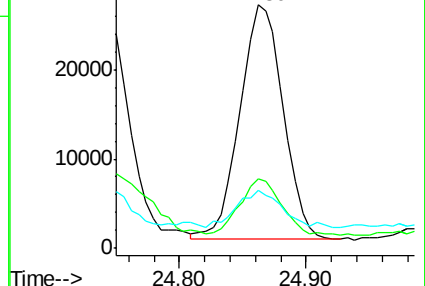
125 23.6 11.0 16.6#



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: 1.08 ng/ul

RT: 27.84 min Scan# 4208

Delta R.T. -0.01 min

Lab File: BM002368.D

Acq: 12 Aug 2015 19:32

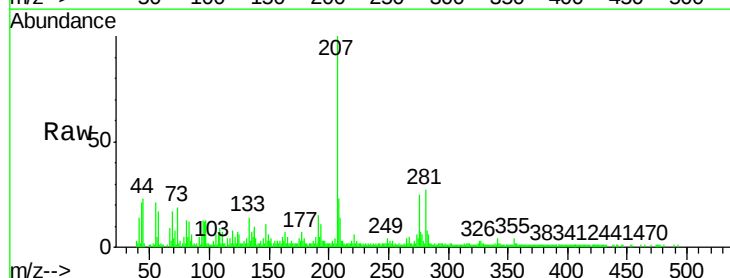
Tgt Ion:276 Resp: 47651

Ion Ratio Lower Upper

276 100

138 31.7 25.6 38.4

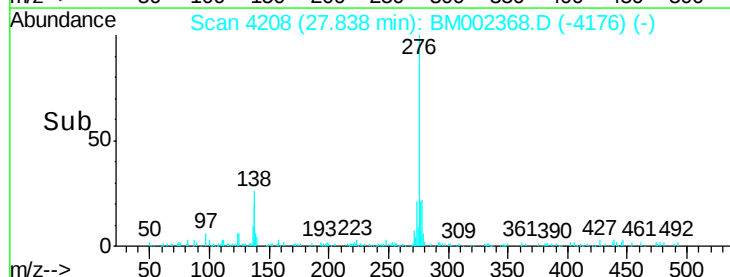
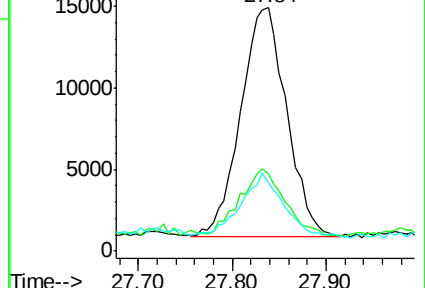
277 28.1 21.0 31.4

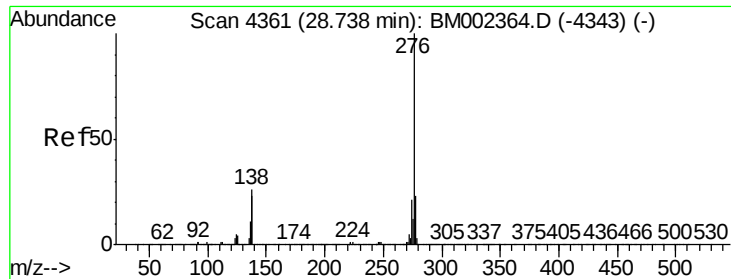


Abundance Ion 276.00 (275.70 to 276.70): E

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: 1.22 ng/ul

RT: 28.72 min Scan# 4358

Delta R.T. -0.02 min

Lab File: BM002368.D

Acq: 12 Aug 2015 19:32

Instrument :

BNA_M

ClientSampleId :

D9C98

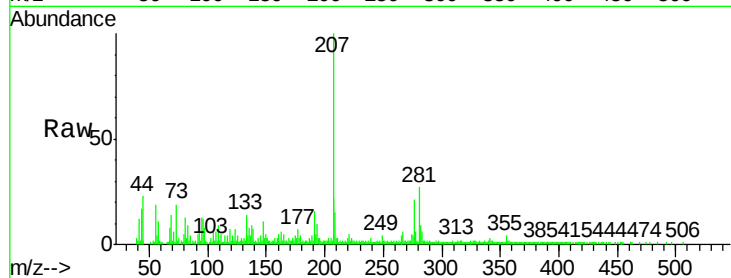
Tgt Ion: 276 Resp: 45304

Ion Ratio Lower Upper

276 100

138 33.7 20.5 30.7#

277 30.2 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

