

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081315\
 Data File : BM002397.D
 Acq On : 13 Aug 2015 14:45
 Operator : UM/IZ
 Sample : G3194-16
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD08036

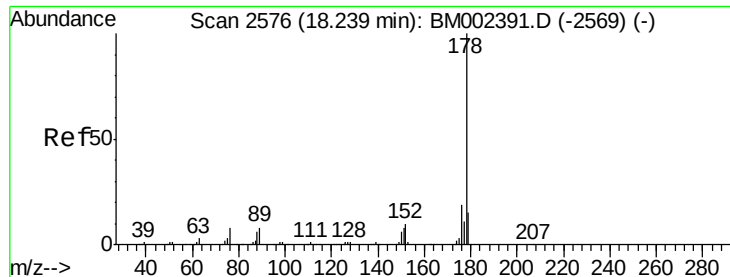
Quant Time: Aug 14 02:03:47 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 14 02:01:37 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	247897	20.00	ng/ul	0.00
2) Naphthalene-d8	11.77	136	1088239	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.49	164	535525	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.20	188	1450932	20.00	ng/ul	0.00
17) Chrysene-d12	22.29	240	683820	20.00	ng/ul	0.00
22) Perylene-d12	24.99	264	654712	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.19	160	1309883	23.61	ng/ul	0.00
10) Fluorene-d10	16.46	176	848522	21.99	ng/ul	0.00
14) Anthracene-d10	18.29	188	1679423	23.85	ng/ul	0.00
18) Pyrene-d10	20.52	212	907395	27.36	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.81	264	792221	22.79	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Phenanthrene	18.24	178	468866	5.61	ng/ul	99
15) Anthracene	18.33	178	92944	1.08	ng/ul	98
16) Fluoranthene	20.19	202	785411	8.49	ng/ul	97
19) Pyrene	20.54	202	701266	15.86	ng/ul	95
20) Benzo(a)anthracene	22.27	228	571684	13.70	ng/ul	99
21) Chrysene	22.33	228	673812	17.03	ng/ul	99
23) Benzo(b)fluoranthene	24.16	252	1330291	32.69	ng/ul	99
24) Benzo(k)fluoranthene	24.36	252	112261	2.87	ng/ul#	92
26) Benzo(a)pyrene	24.87	252	771432	19.81	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	27.84	276	764038	17.12	ng/ul	92
28) Dibenzo(a,h)anthracene	27.84	278	246144	6.51	ng/ul#	94
29) Benzo(g,h,i)perylene	28.74	276	784913	20.84	ng/ul	100

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



#13

Phenanthrene

Concen: 5.61 ng/ul

RT: 18.24 min Scan# 2576

Delta R.T. -0.00 min

Lab File: BM002397.D

Acq: 13 Aug 2015 14:45

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SSTD08036

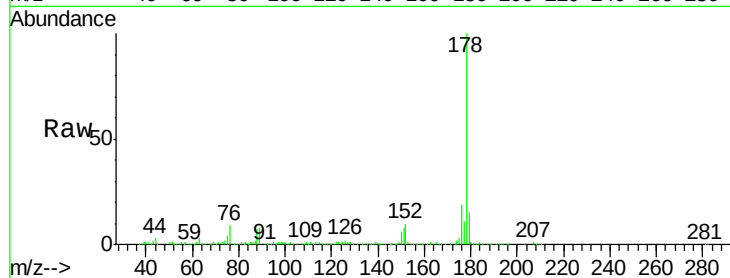
Tgt Ion:178 Resp: 468866

Ion Ratio Lower Upper

178 100

179 15.3 12.3 18.5

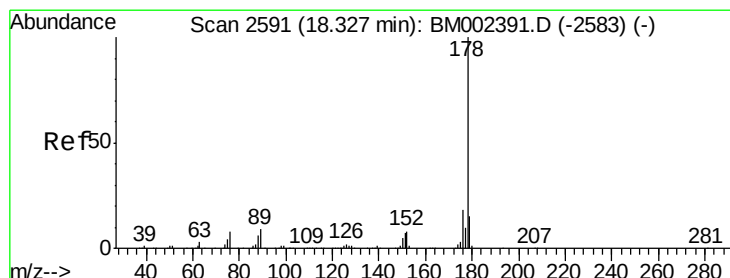
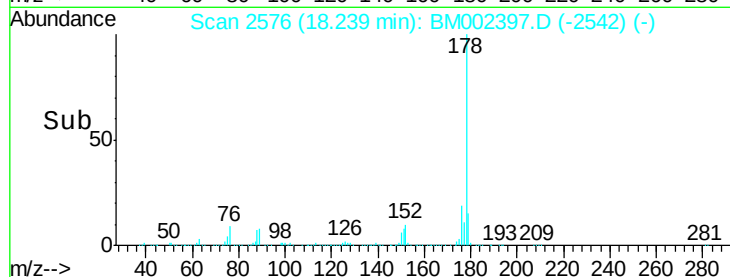
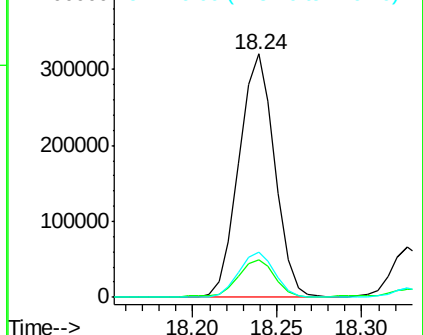
176 18.7 15.3 22.9



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



#15

Anthracene

Concen: 1.08 ng/ul

RT: 18.33 min Scan# 2591

Delta R.T. -0.00 min

Lab File: BM002397.D

Acq: 13 Aug 2015 14:45

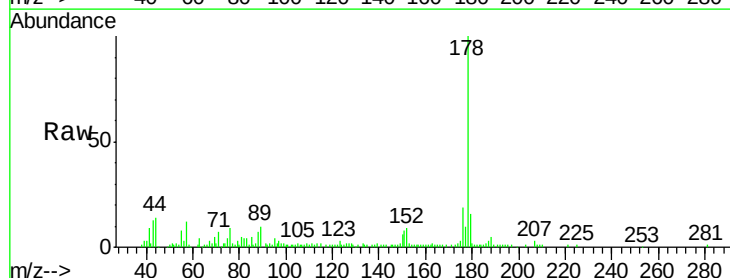
Tgt Ion:178 Resp: 92944

Ion Ratio Lower Upper

178 100

179 16.5 12.3 18.5

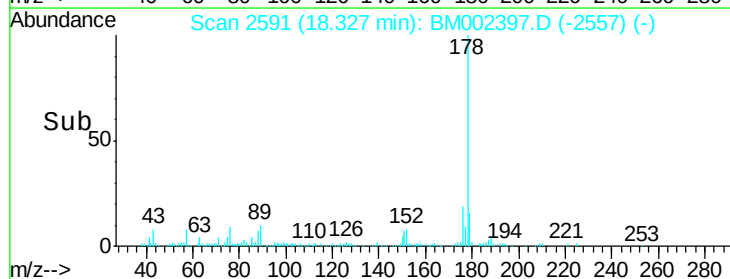
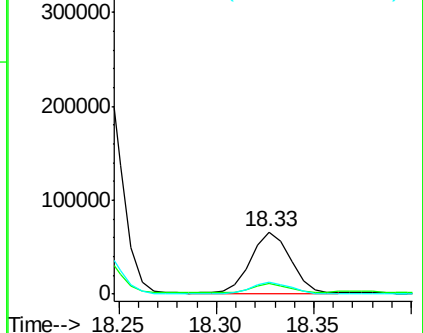
176 18.9 14.5 21.7

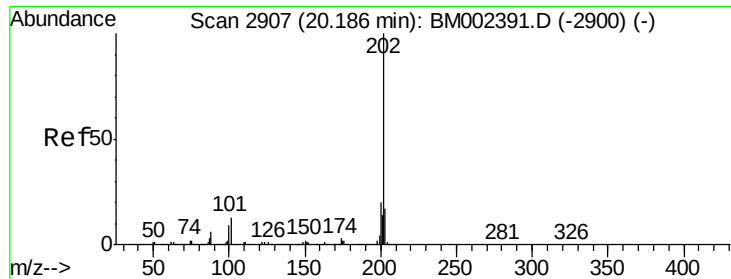


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

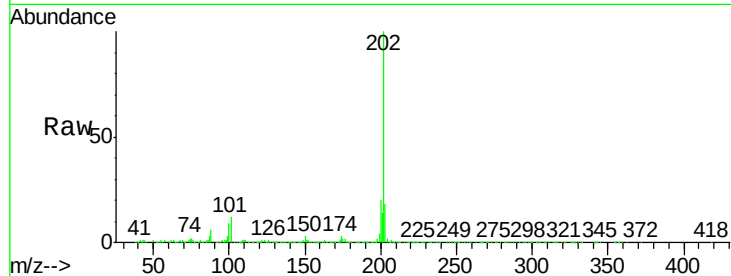




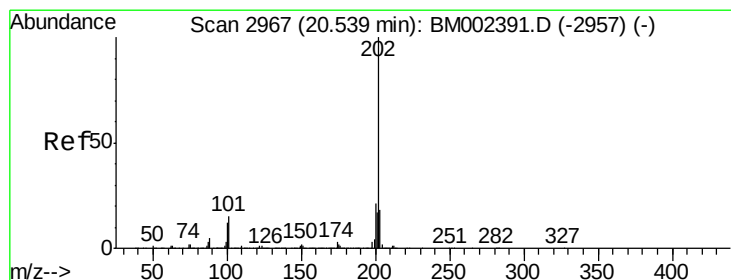
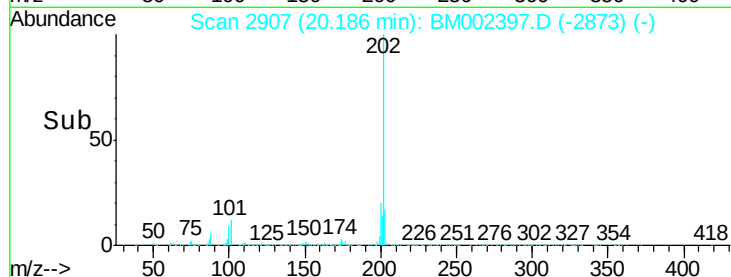
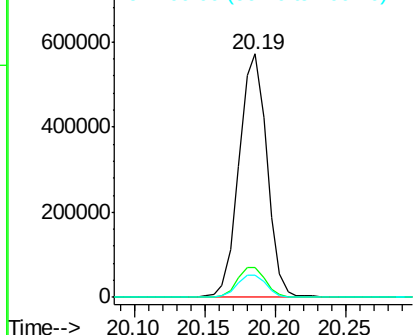
#16
 Fluoranthene
 Concen: 8.49 ng/ul
 RT: 20.19 min Scan# 2907
 Delta R.T. -0.00 min
 Lab File: BM002397.D
 Acq: 13 Aug 2015 14:45

Instrument :
 BNA_M
 ClientSampleId :
 SST08036

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	10.6	15.8
100	9.3	8.2	12.4

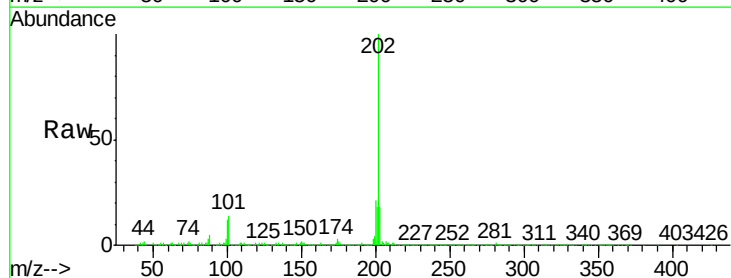


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

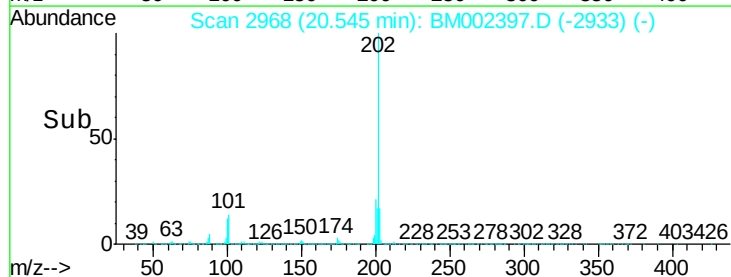
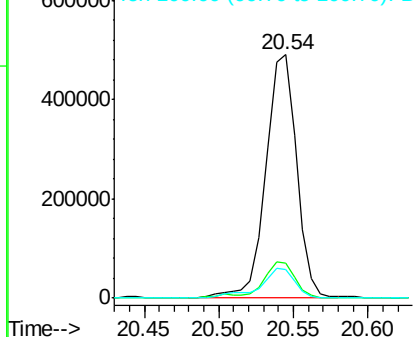


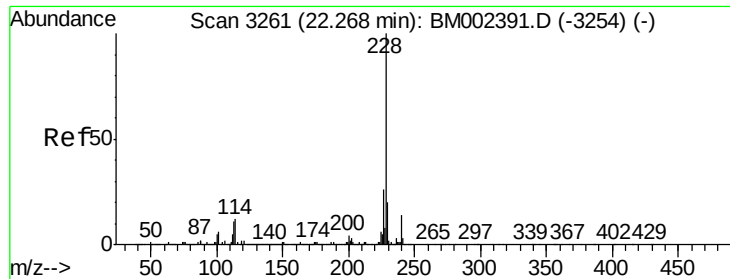
#19
 Pyrene
 Concen: 15.86 ng/ul
 RT: 20.54 min Scan# 2968
 Delta R.T. 0.01 min
 Lab File: BM002397.D
 Acq: 13 Aug 2015 14:45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.3	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: 13.70 ng/ul

RT: 22.27 min Scan# 3261

Delta R.T. -0.00 min

Lab File: BM002397.D

Acq: 13 Aug 2015 14:45

Instrument :

BNA_M

ClientSampleId :

SSTD08036

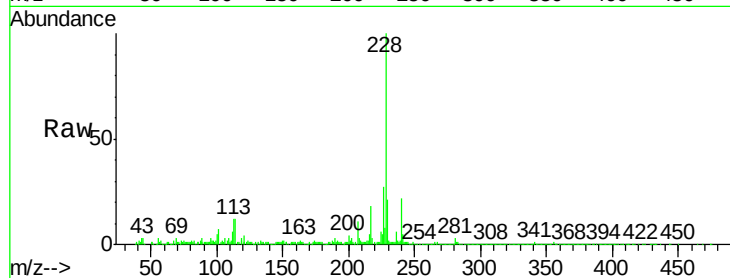
Tgt Ion:228 Resp: 571684

Ion Ratio Lower Upper

228 100

229 20.6 15.7 23.5

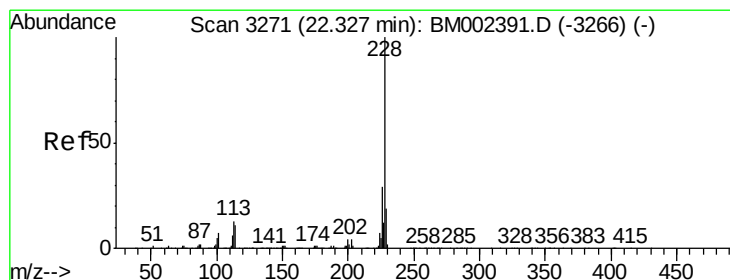
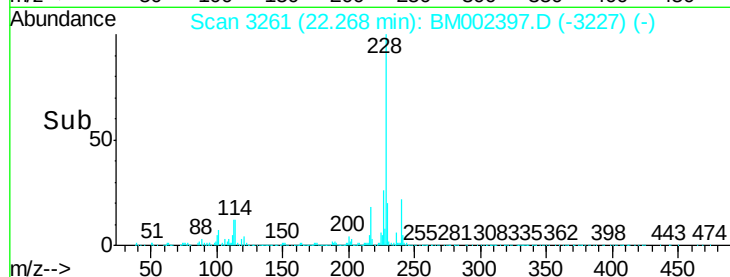
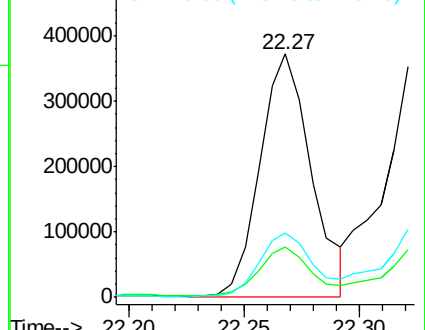
226 26.5 21.4 32.0



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: 17.03 ng/ul

RT: 22.33 min Scan# 3271

Delta R.T. -0.00 min

Lab File: BM002397.D

Acq: 13 Aug 2015 14:45

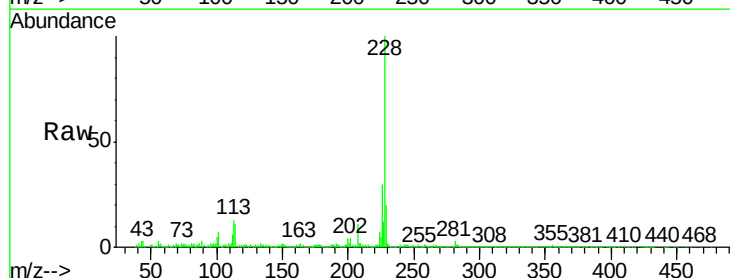
Tgt Ion:228 Resp: 673812

Ion Ratio Lower Upper

228 100

226 29.6 23.4 35.0

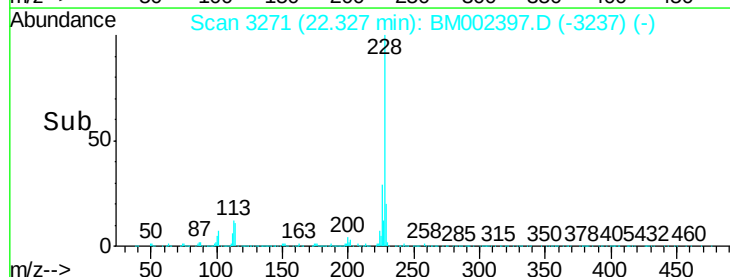
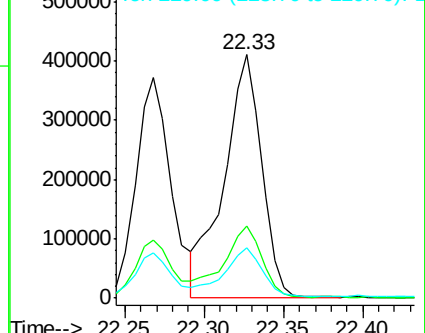
229 20.5 15.5 23.3

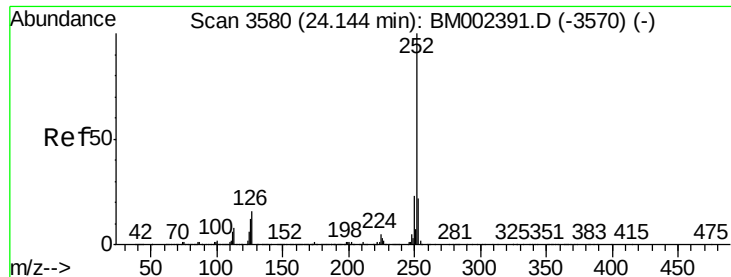


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 32.69 ng/ul

RT: 24.16 min Scan# 3582

Delta R.T. 0.01 min

Lab File: BM002397.D

Acq: 13 Aug 2015 14:45

Instrument :

BNA_M

ClientSampleId :

SSTD08036

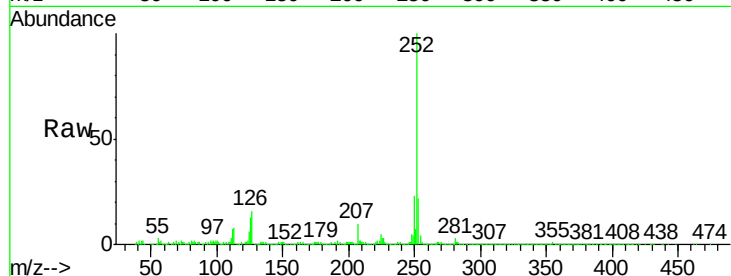
Tgt Ion:252 Resp: 1330291

Ion Ratio Lower Upper

252 100

253 21.9 17.9 26.9

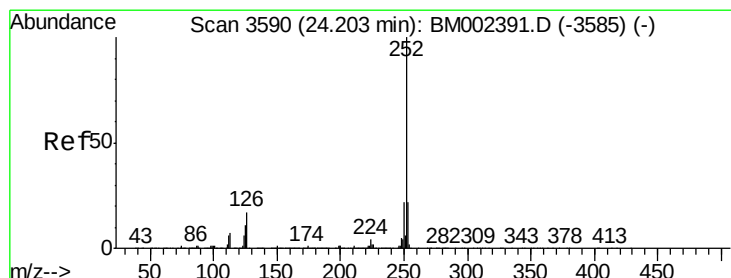
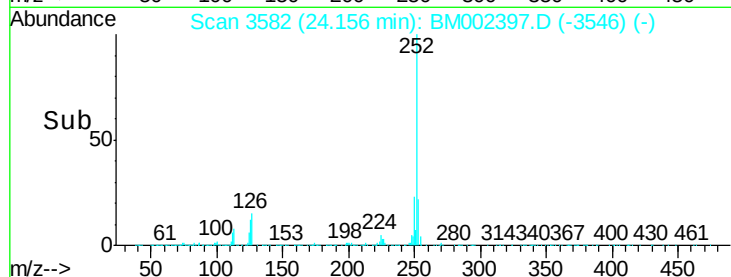
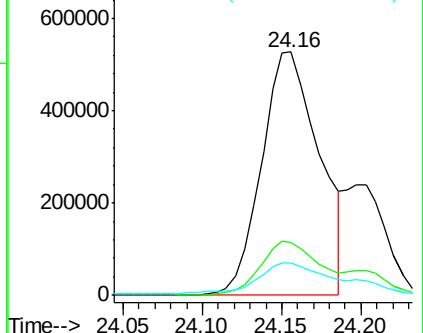
125 13.1 10.3 15.5



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



#24

Benzo(k)fluoranthene

Concen: 2.87 ng/ul

RT: 24.36 min Scan# 3617

Delta R.T. 0.16 min

Lab File: BM002397.D

Acq: 13 Aug 2015 14:45

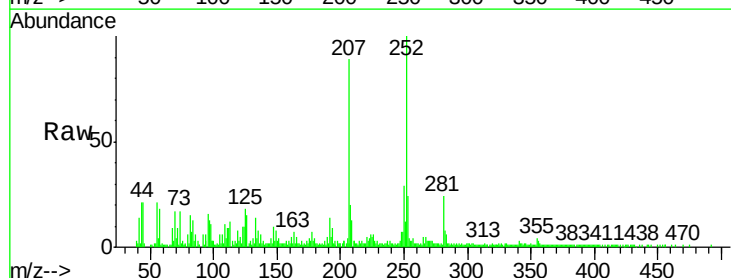
Tgt Ion:252 Resp: 112261

Ion Ratio Lower Upper

252 100

253 24.2 17.3 25.9

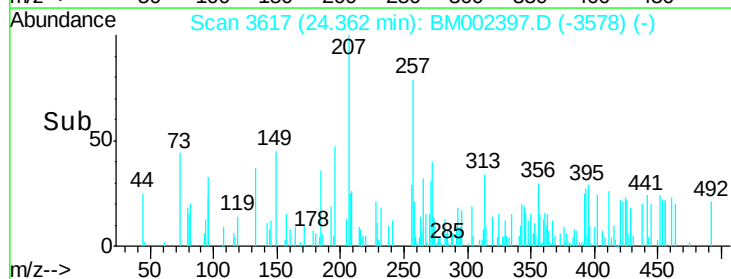
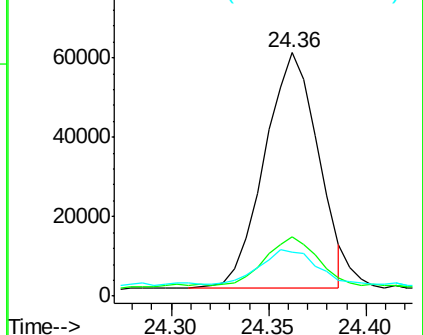
125 17.8 10.2 15.4#

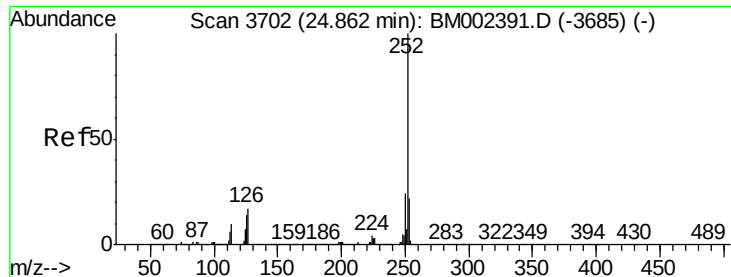


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 19.81 ng/ul

RT: 24.87 min Scan# 3703

Delta R.T. 0.01 min

Lab File: BM002397.D

Acq: 13 Aug 2015 14:45

Instrument :

BNA_M

ClientSampleId :

SSTD08036

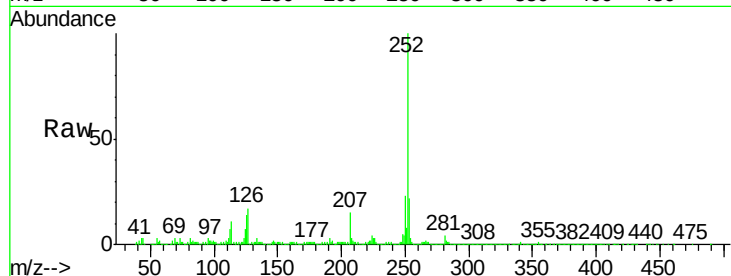
Tgt Ion:252 Resp: 771432

Ion Ratio Lower Upper

252 100

253 22.5 17.3 25.9

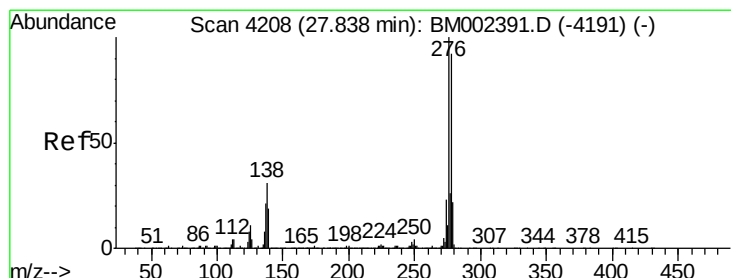
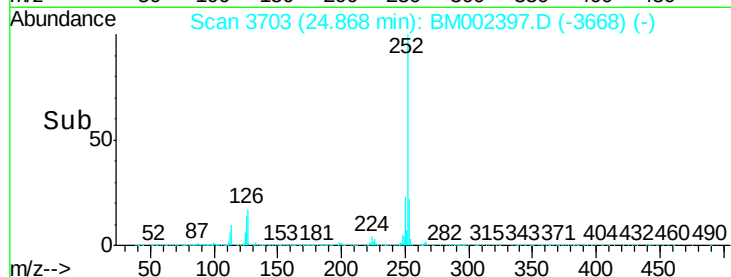
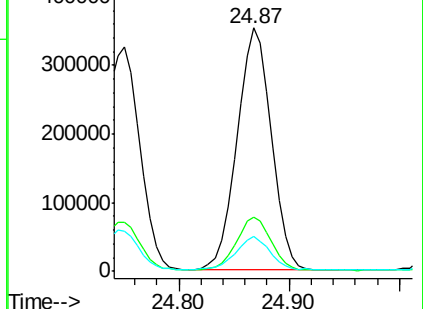
125 14.4 11.0 16.6



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: 17.12 ng/ul

RT: 27.84 min Scan# 4209

Delta R.T. 0.01 min

Lab File: BM002397.D

Acq: 13 Aug 2015 14:45

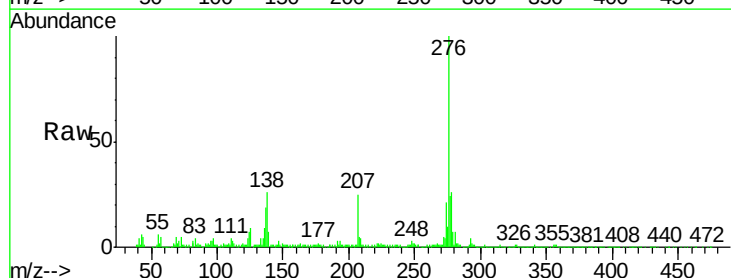
Tgt Ion:276 Resp: 764038

Ion Ratio Lower Upper

276 100

138 25.7 25.6 38.4

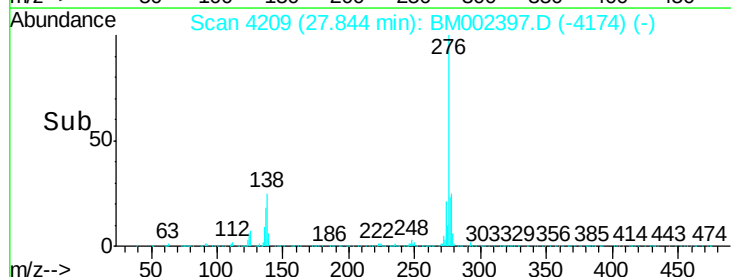
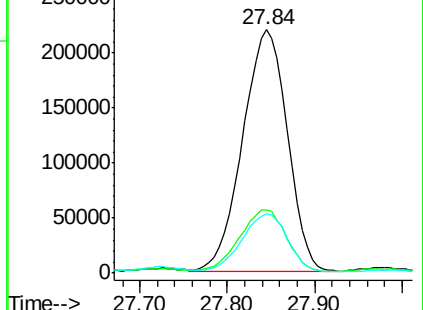
277 24.4 21.0 31.4

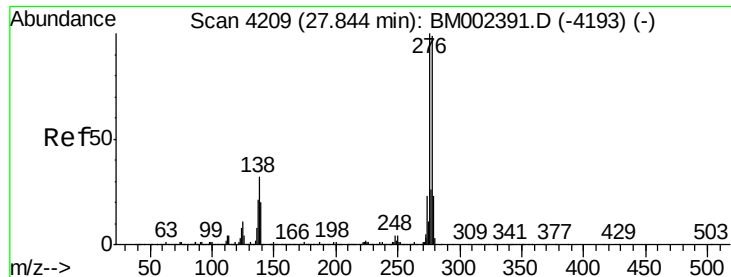


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 6.51 ng/ul

RT: 27.84 min Scan# 4208

Delta R.T. -0.01 min

Lab File: BM002397.D

Acq: 13 Aug 2015 14:45

Instrument :

BNA_M

ClientSampleId :

SSTD08036

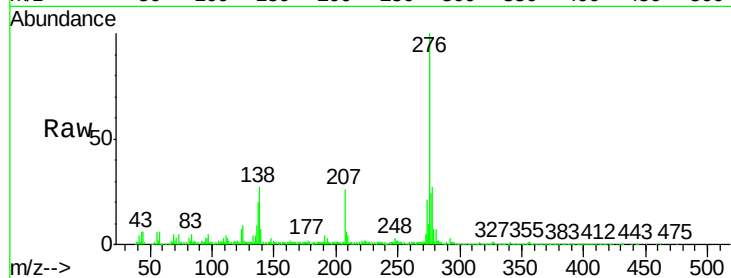
Tgt Ion: 278 Resp: 246144

Ion Ratio Lower Upper

278 100

139 25.5 16.4 24.6#

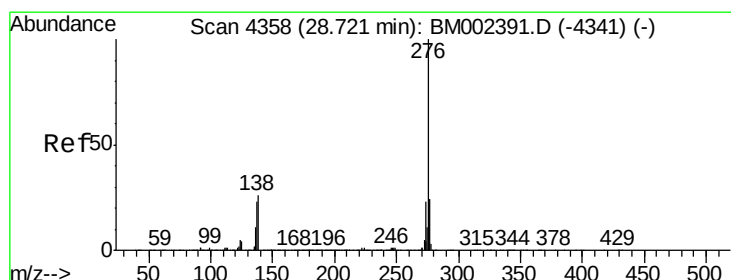
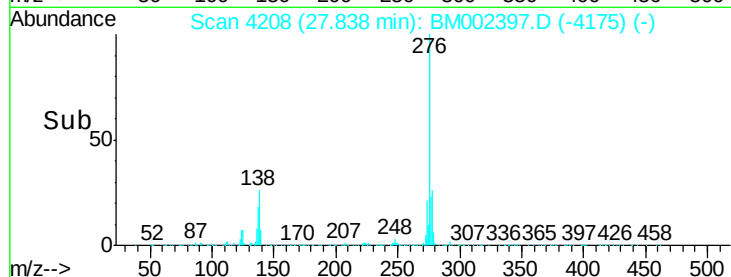
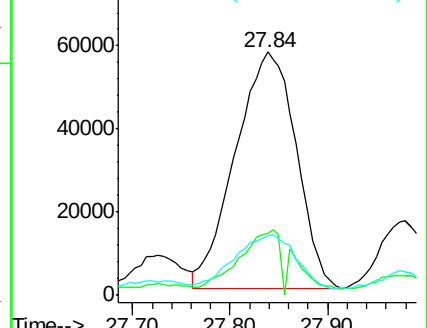
279 24.4 18.8 28.2



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: 20.84 ng/ul

RT: 28.74 min Scan# 4361

Delta R.T. 0.02 min

Lab File: BM002397.D

Acq: 13 Aug 2015 14:45

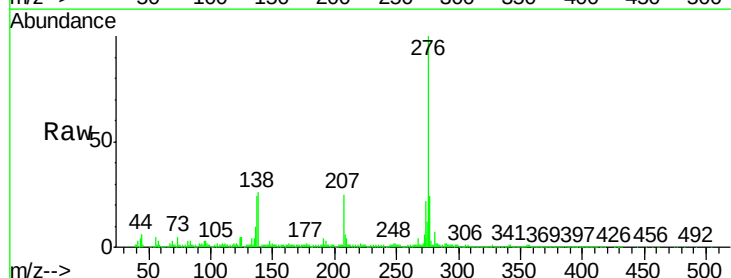
Tgt Ion: 276 Resp: 784913

Ion Ratio Lower Upper

276 100

138 25.6 20.5 30.7

277 23.8 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

