

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002396.D
 Acq On : 14 Aug 2015 21:39
 Operator : UM/IZ
 Sample : SST04035
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SST04035

Quant Time: Aug 17 01:37:47 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 17 01:34:51 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	92465	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	463640	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	261128	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.15	188	562143	20.00	ng/ul	0.00
17) Chrysene-d12	22.23	240	861034	20.00	ng/ul	0.00
22) Perylene-d12	24.89	264	587835	20.00	ng/ul	0.00

System Monitoring Compounds						
7) Acenaphthylene-d8	15.15	160	1053281	39.45	ng/ul	0.00
10) Fluorene-d10	16.42	176	724897	38.66	ng/ul	0.00
14) Anthracene-d10	18.25	188	1064762	39.27	ng/ul	0.00
18) Pyrene-d10	20.47	212	1077054	28.22	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.72	264	1207738	39.11	ng/ul	0.00

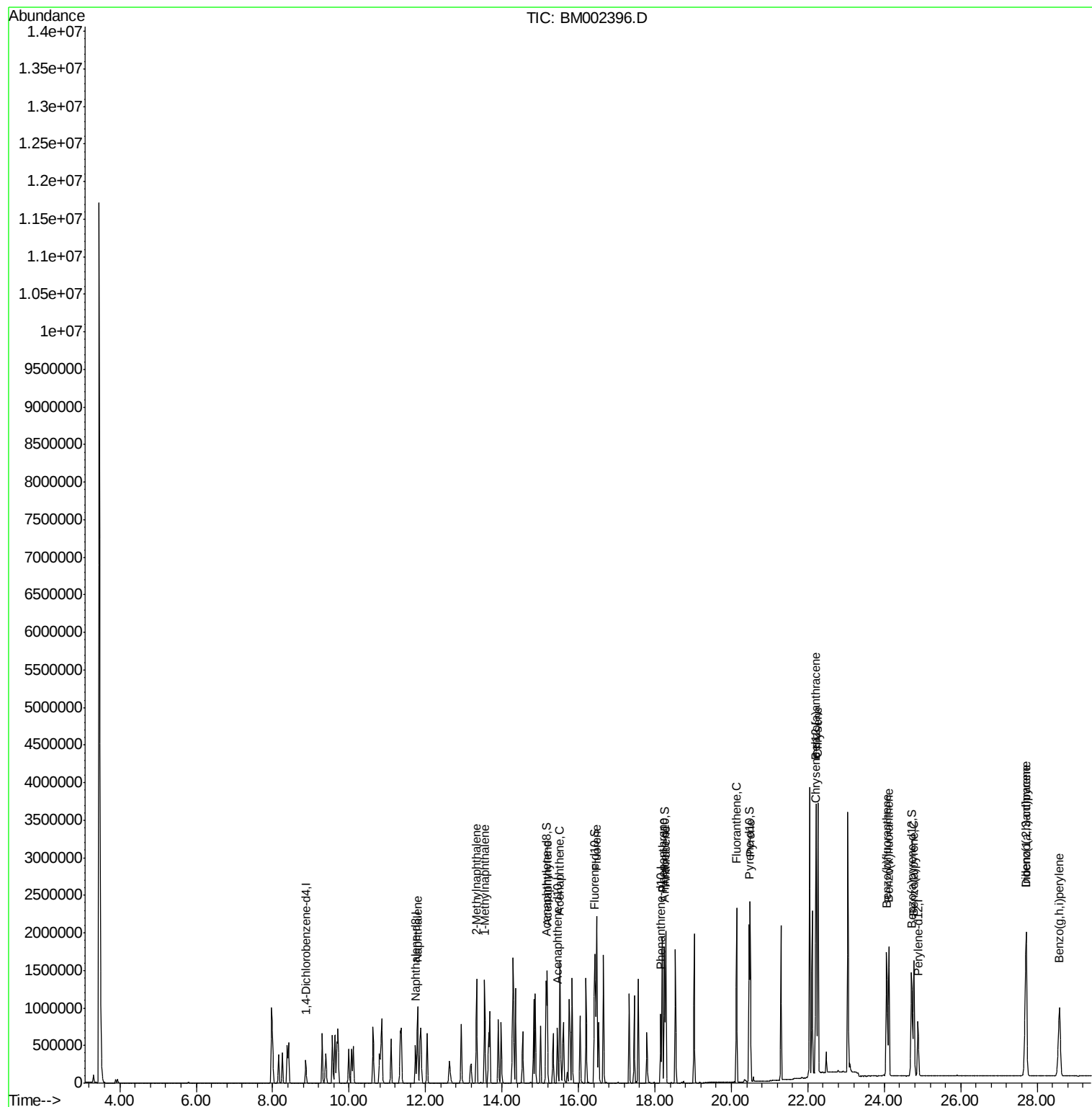
Target Compounds				Ovalue		
3) Naphthalene	11.79	128	918679	38.82	ng/ul	100
4) 2-Methylnaphthalene	13.33	142	681794	38.46	ng/ul	99
5) 1-Methylnaphthalene	13.55	142	672523	38.35	ng/ul	100
8) Acenaphthylene	15.18	152	1098621	39.31	ng/ul	99
9) Acenaphthene	15.51	153	721253	39.18	ng/ul	99
11) Fluorene	16.47	166	816288	38.70	ng/ul	99
13) Phenanthrene	18.20	178	1260258	38.82	ng/ul	99
15) Anthracene	18.29	178	1279569	38.90	ng/ul	99
16) Fluoranthene	20.14	202	1387074	37.74	ng/ul	99
19) Pyrene	20.49	202	1434685	28.44	ng/ul	99
20) Benzo(a)anthracene	22.21	228	2003079	38.90	ng/ul	99
21) Chrysene	22.27	228	1887499	39.19	ng/ul	99
23) Benzo(b)fluoranthene	24.06	252	1397075	39.31	ng/ul	100
24) Benzo(k)fluoranthene	24.12	252	1304625	38.74	ng/ul	99
26) Benzo(a)pyrene	24.77	252	1328349	39.13	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	27.71	276	1518789	38.91	ng/ul	99
28) Dibenzo(a,h)anthracene	27.71	278	1273244	39.02	ng/ul	99
29) Benzo(g,h,i)perylene	28.59	276	1273839	39.20	ng/ul	99

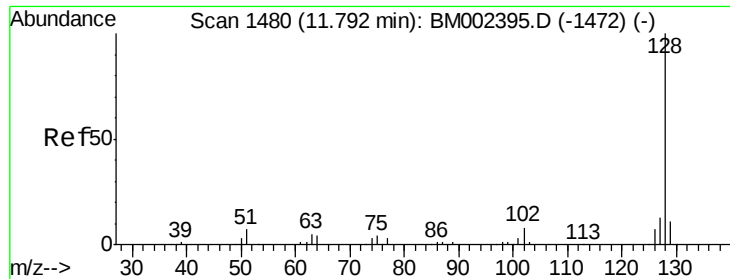
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 38.82 ng/ul

RT: 11.79 min Scan# 1480

Delta R.T. -0.00 min

Lab File: BM002396.D

Acq: 14 Aug 2015 21:39

Instrument :

BNA_M

ClientSampleId :

SSTD04035

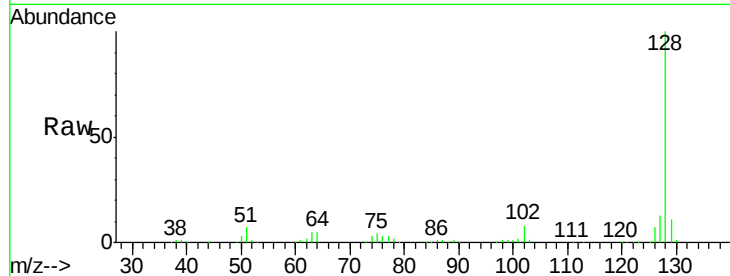
Tot Ion:128 Resp: 918679

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

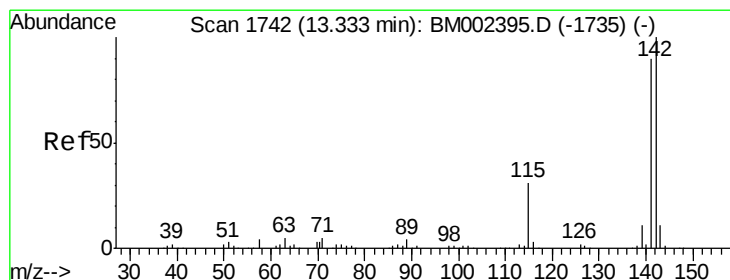
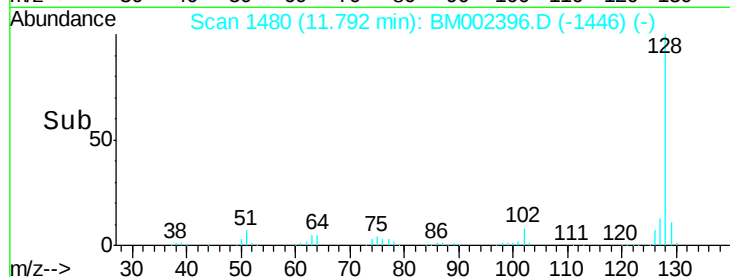
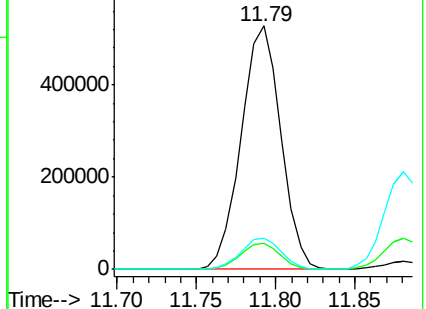
127 13.0 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#4

2-Methylnaphthalene

Concen: 38.46 ng/ul

RT: 13.33 min Scan# 1742

Delta R.T. -0.00 min

Lab File: BM002396.D

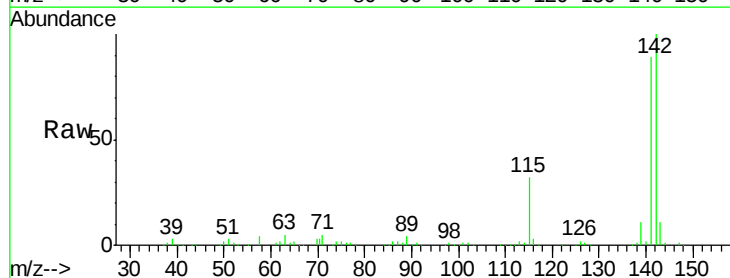
Acq: 14 Aug 2015 21:39

Tgt Ion:142 Resp: 681794

Ion Ratio Lower Upper

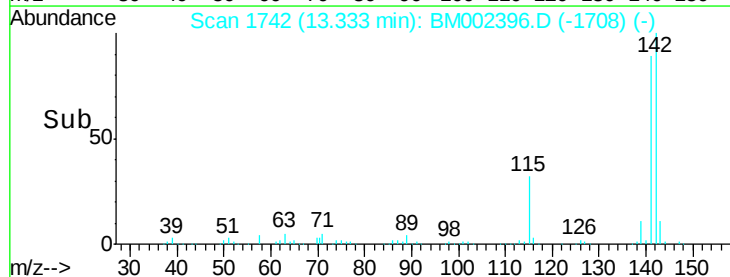
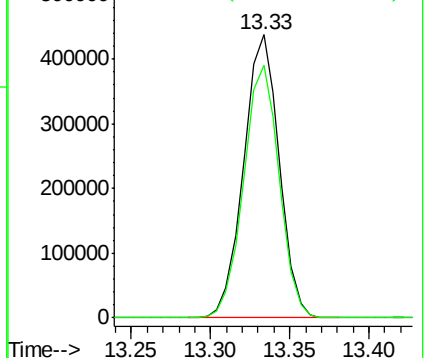
142 100

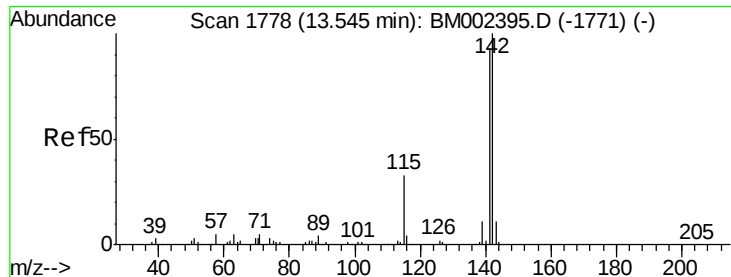
141 89.4 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 38.35 ng/ul

RT: 13.55 min Scan# 1778

Delta R.T. -0.00 min

Lab File: BM002396.D

Acq: 14 Aug 2015 21:39

Instrument :

BNA_M

ClientSampled :

SSTD04035

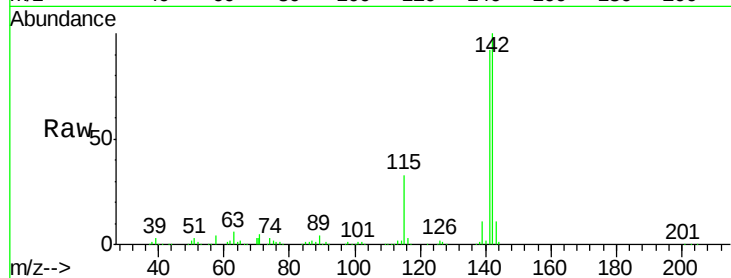
Tot Ion:142 Resp: 672523

Ion Ratio Lower Upper

142 100

141 92.1 73.9 110.9

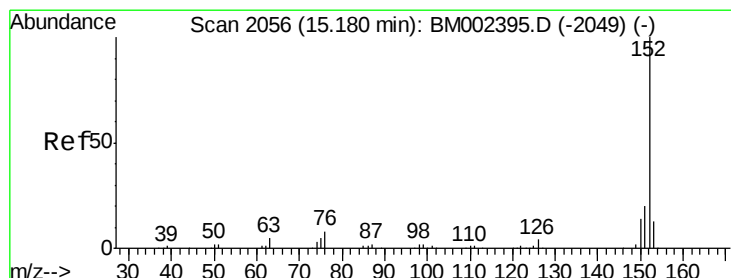
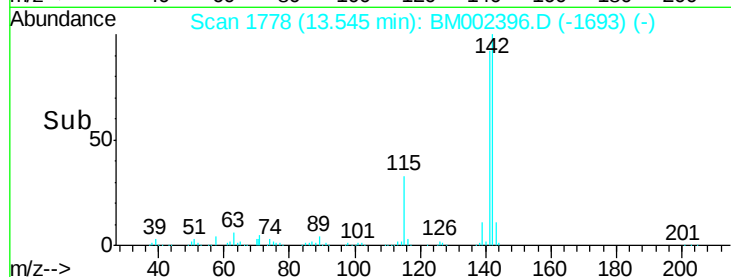
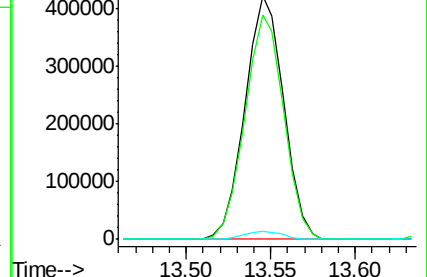
116 3.4 3.0 4.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#8

Acenaphthylene

Concen: 39.31 ng/ul

RT: 15.18 min Scan# 2056

Delta R.T. -0.00 min

Lab File: BM002396.D

Acq: 14 Aug 2015 21:39

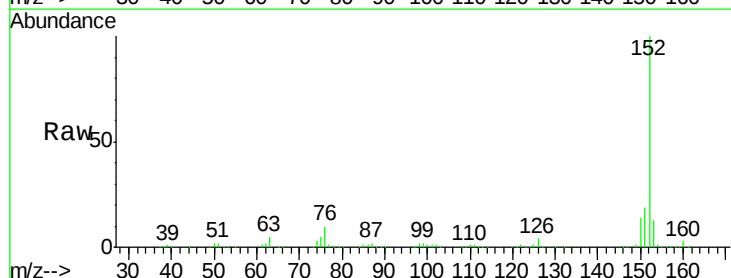
Tgt Ion:152 Resp: 1098621

Ion Ratio Lower Upper

152 100

151 19.3 15.7 23.5

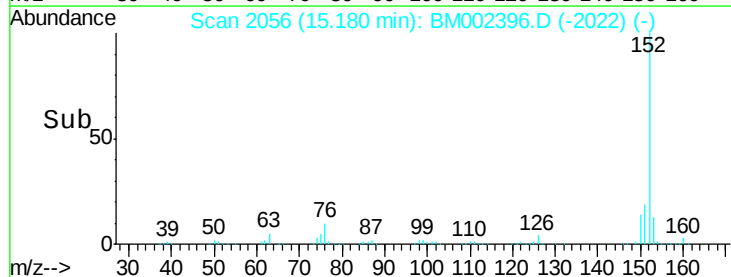
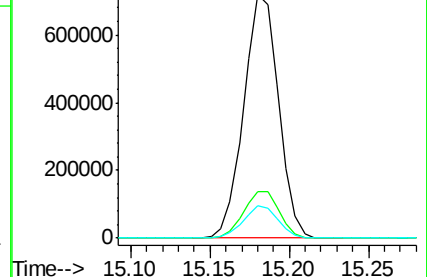
153 13.1 10.2 15.4

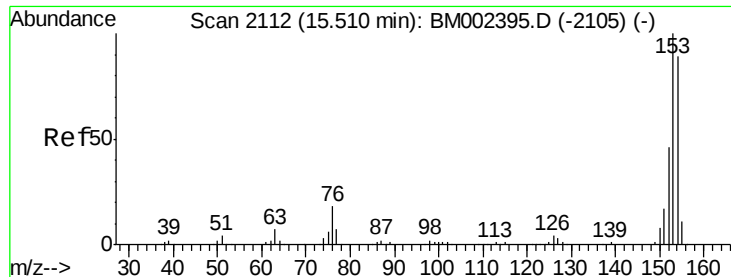


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 39.18 ng/ul

RT: 15.51 min Scan# 2112

Delta R.T. -0.00 min

Lab File: BM002396.D

Acq: 14 Aug 2015 21:39

Instrument :

BNA_M

ClientSampleId :

SSTD04035

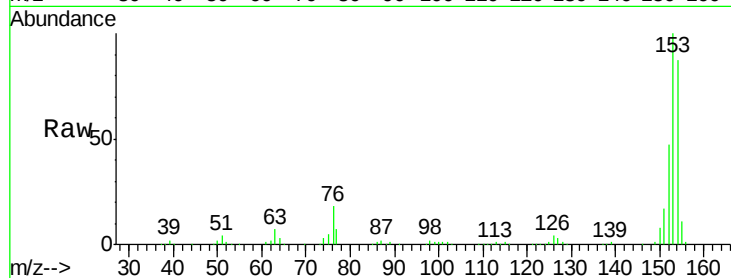
Tot Ion:153 Resp: 721253

Ion Ratio Lower Upper

153 100

152 46.7 36.9 55.3

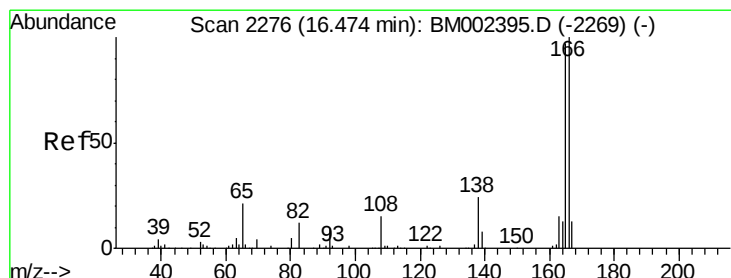
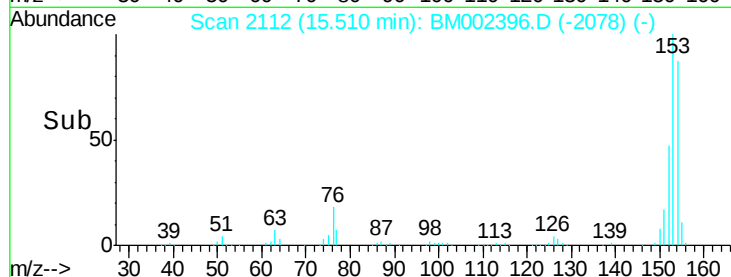
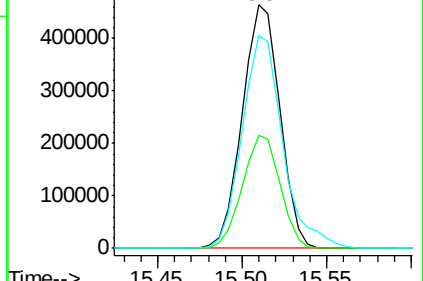
154 87.4 71.3 106.9



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



#11

Fluorene

Concen: 38.70 ng/ul

RT: 16.47 min Scan# 2276

Delta R.T. -0.00 min

Lab File: BM002396.D

Acq: 14 Aug 2015 21:39

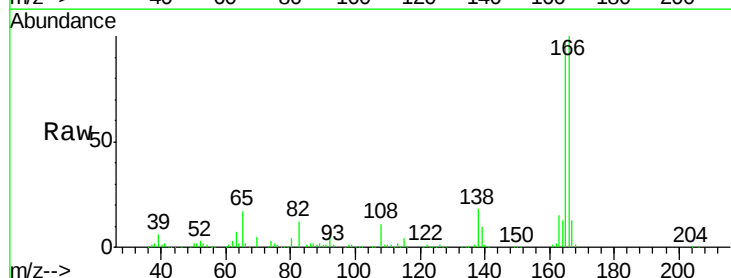
Tgt Ion:166 Resp: 816288

Ion Ratio Lower Upper

166 100

165 98.0 77.6 116.4

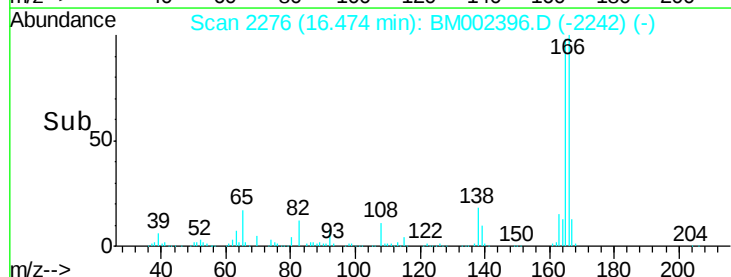
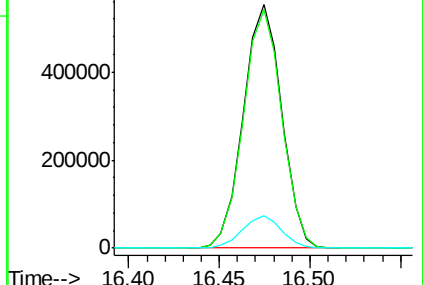
167 13.2 10.7 16.1

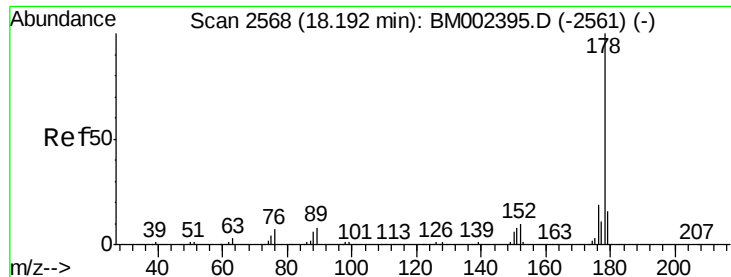


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 38.82 ng/ul

RT: 18.20 min Scan# 2569

Delta R.T. 0.01 min

Lab File: BM002396.D

Acq: 14 Aug 2015 21:39

Instrument :

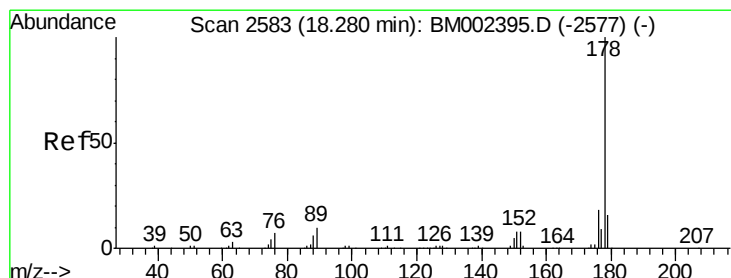
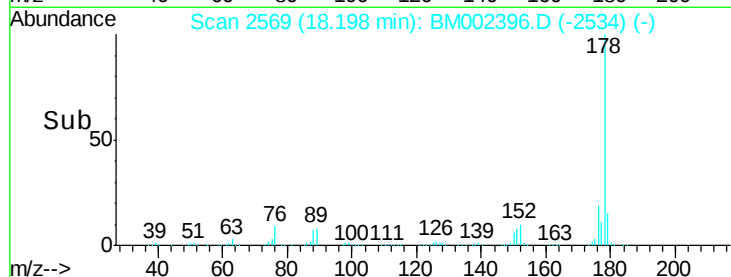
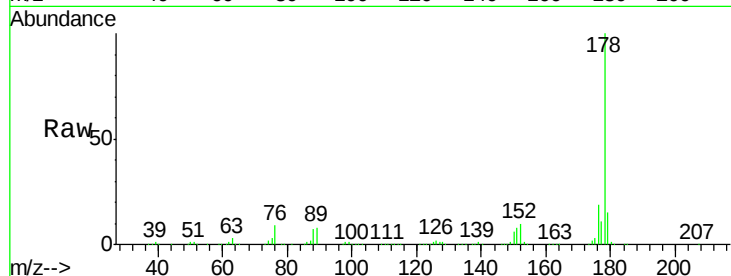
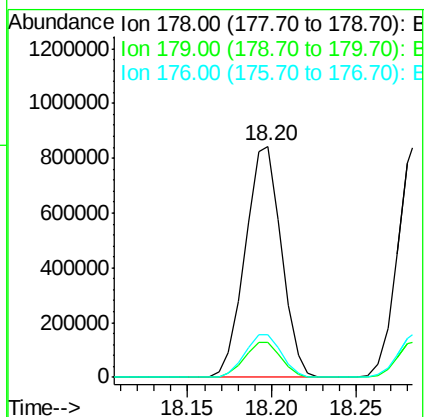
BNA_M

ClientSampleId :

SSTD04035

Tot Ion:178 Resp: 1260258

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.4	18.6
176	18.6	15.1	22.7



#15

Anthracene

Concen: 38.90 ng/ul

RT: 18.29 min Scan# 2584

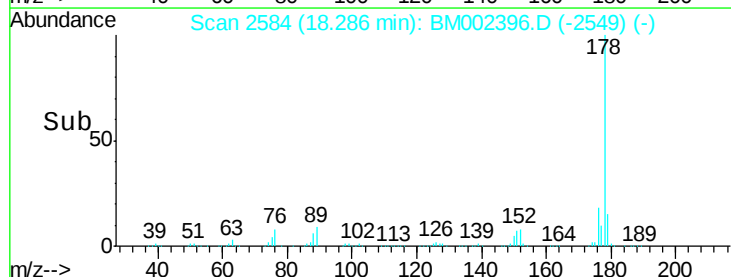
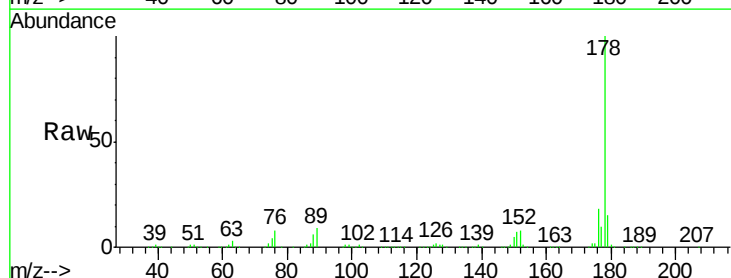
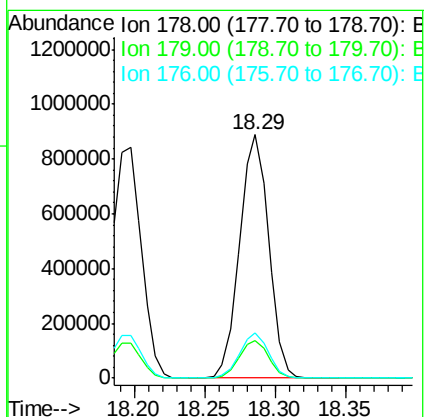
Delta R.T. 0.01 min

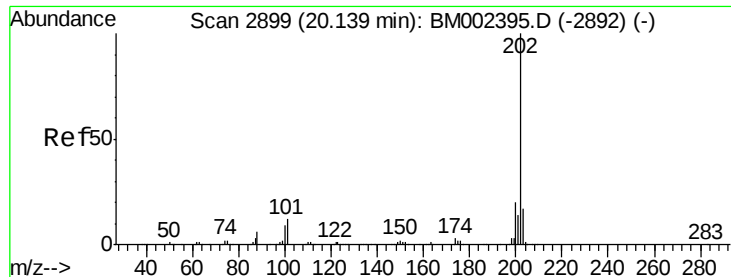
Lab File: BM002396.D

Acq: 14 Aug 2015 21:39

Tgt Ion:178 Resp: 1279569

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.6	18.8
176	18.4	14.5	21.7

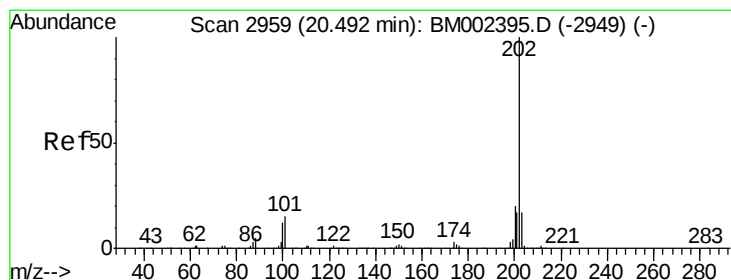
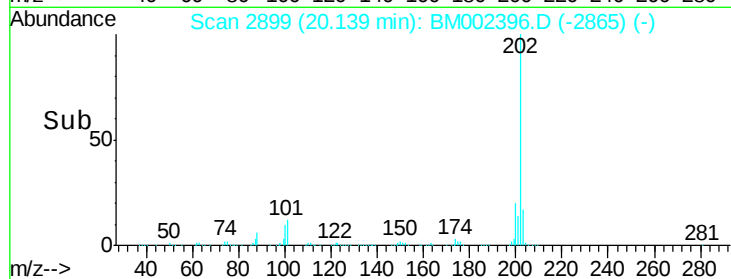
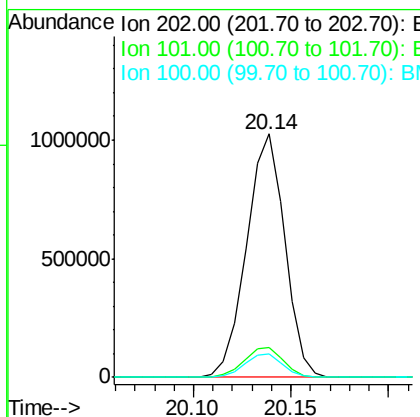
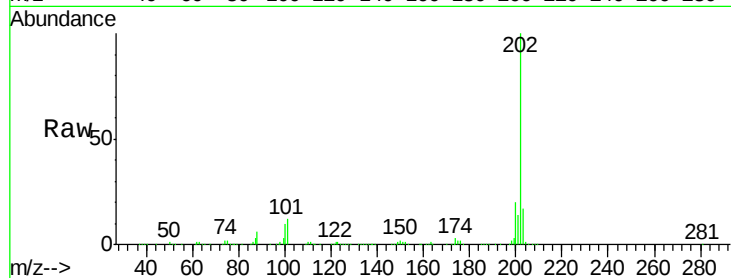




#16
 Fluoranthene
 Concen: 37.74 ng/ul
 RT: 20.14 min Scan# 2899
 Delta R.T. -0.00 min
 Lab File: BM002396.D
 Acq: 14 Aug 2015 21:39

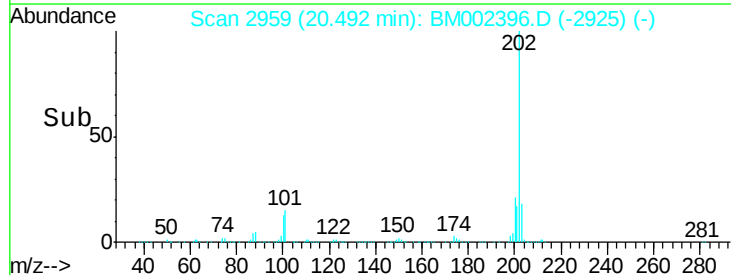
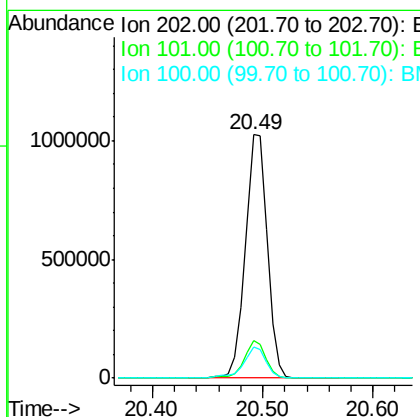
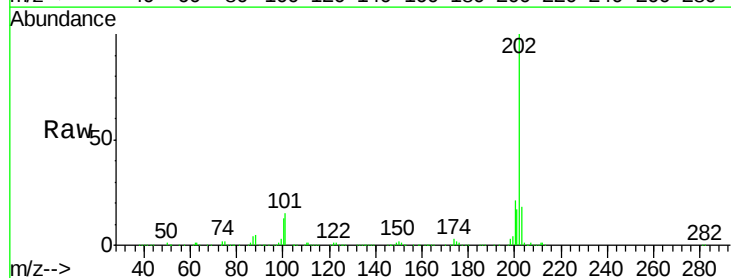
Instrument :
 BNA_M
 ClientSampleId :
 SST04035

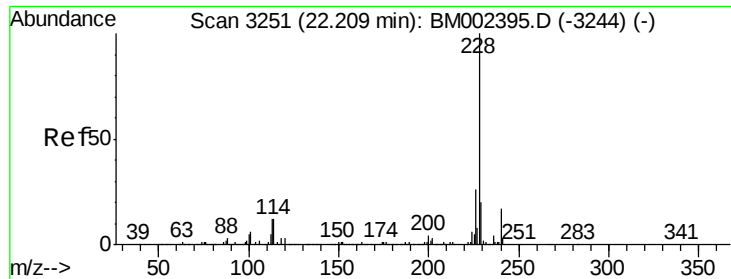
Tot Ion:202 Resp: 1387074
 Ion Ratio Lower Upper
 202 100
 101 12.4 9.7 14.5
 100 9.6 7.4 11.2



#19
 Pyrene
 Concen: 28.44 ng/ul
 RT: 20.49 min Scan# 2959
 Delta R.T. -0.00 min
 Lab File: BM002396.D
 Acq: 14 Aug 2015 21:39

Tgt Ion:202 Resp: 1434685
 Ion Ratio Lower Upper
 202 100
 101 15.5 12.0 18.0
 100 12.8 9.7 14.5





#20

Benzo(a)anthracene

Concen: 38.90 ng/ul

RT: 22.21 min Scan# 3251

Delta R.T. -0.00 min

Lab File: BM002396.D

Acq: 14 Aug 2015 21:39

Instrument :

BNA_M

ClientSampleId :

SSTD04035

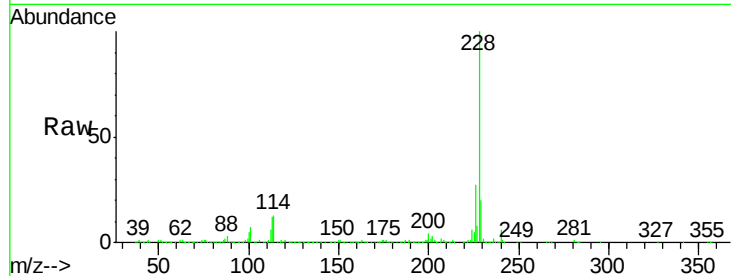
Tot Ion:228 Resp: 2003079

Ion Ratio Lower Upper

228 100

229 19.9 15.8 23.6

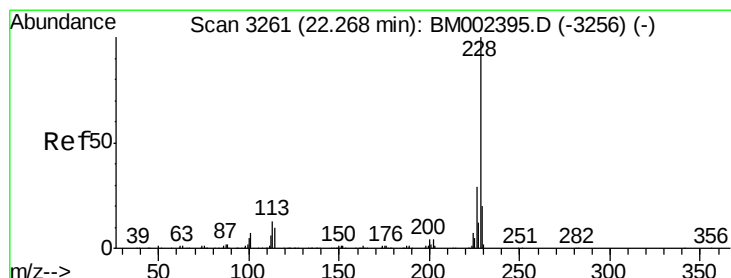
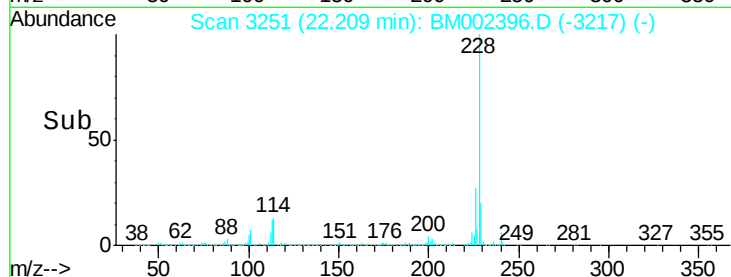
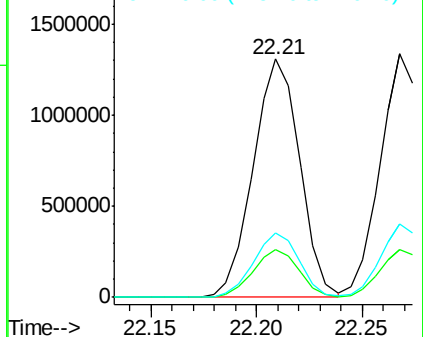
226 26.9 21.1 31.7



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: 39.19 ng/ul

RT: 22.27 min Scan# 3261

Delta R.T. -0.00 min

Lab File: BM002396.D

Acq: 14 Aug 2015 21:39

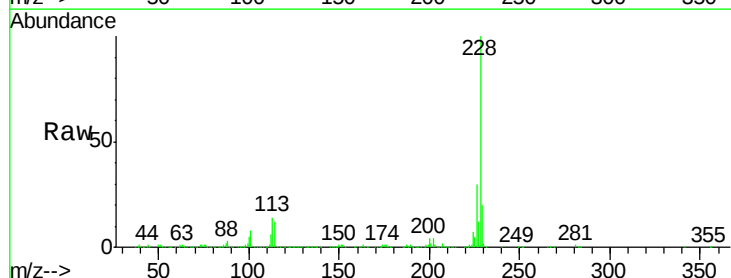
Tgt Ion:228 Resp: 1887499

Ion Ratio Lower Upper

228 100

226 30.0 23.4 35.2

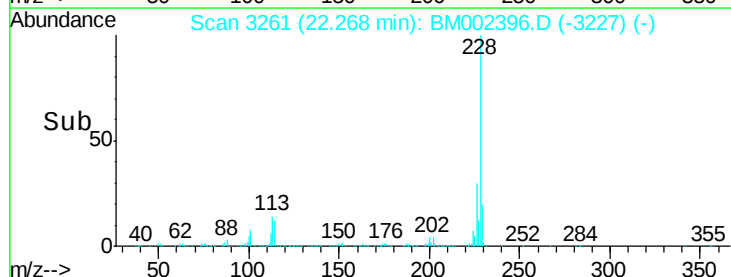
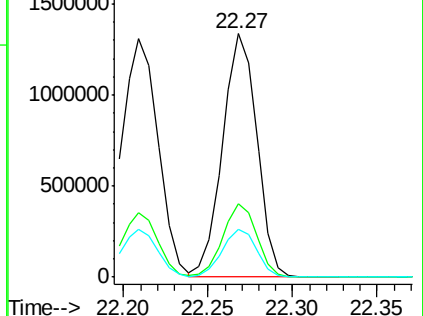
229 19.8 15.7 23.5

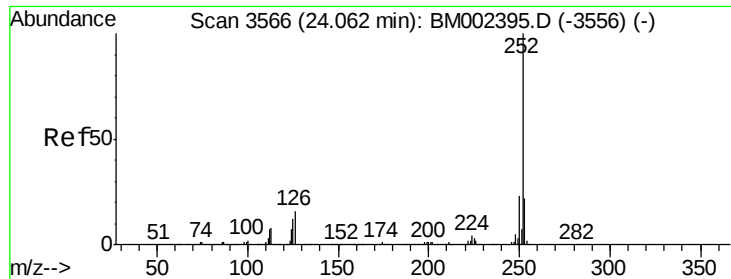


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 39.31 ng/ul

RT: 24.06 min Scan# 3566

Delta R.T. -0.00 min

Lab File: BM002396.D

Acq: 14 Aug 2015 21:39

Instrument :

BNA_M

ClientSampleId :

SSTD04035

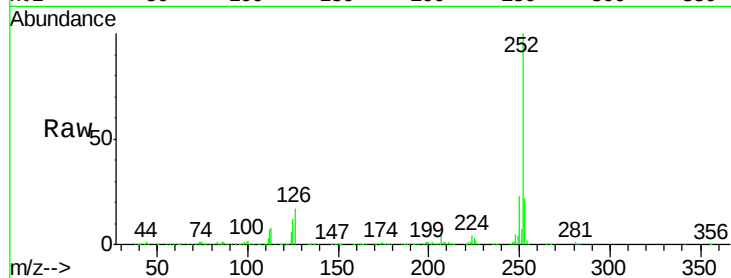
Tot Ion:252 Resp: 1397075

Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.0

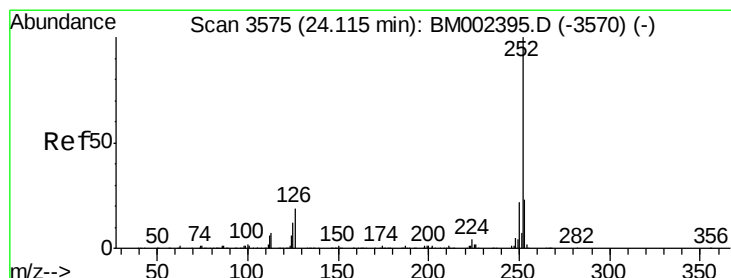
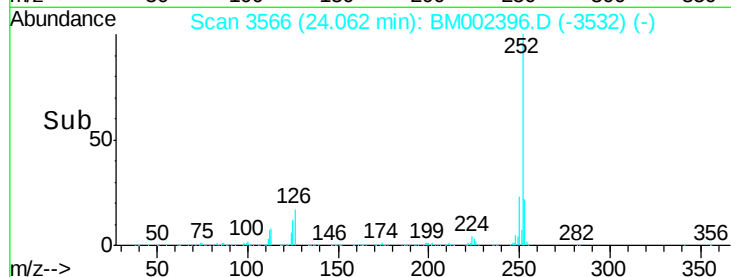
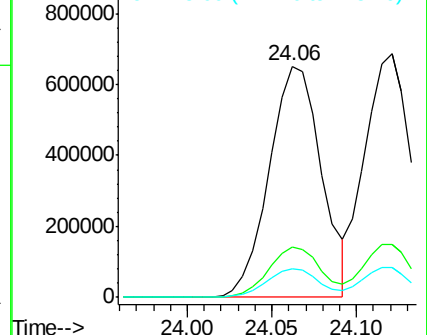
125 12.3 10.0 15.0



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



#24

Benzo(k)fluoranthene

Concen: 38.74 ng/ul

RT: 24.12 min Scan# 3576

Delta R.T. 0.01 min

Lab File: BM002396.D

Acq: 14 Aug 2015 21:39

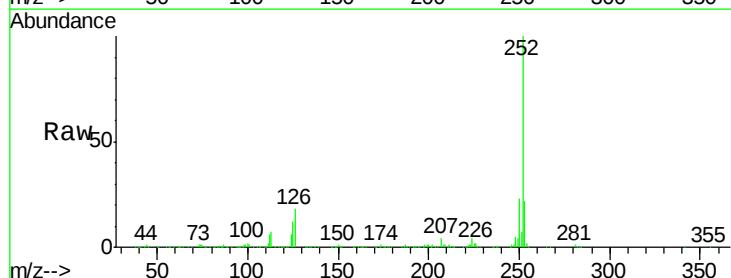
Tgt Ion:252 Resp: 1304625

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.6

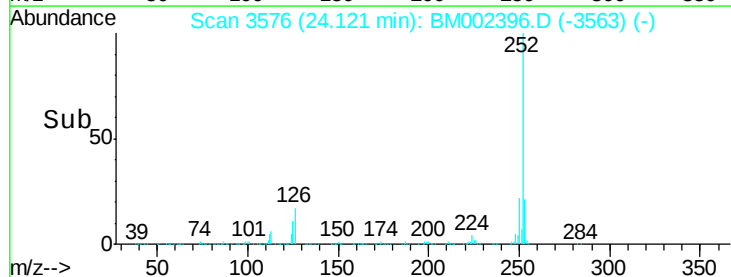
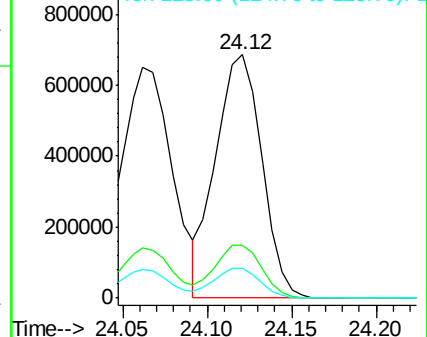
125 12.2 9.8 14.8

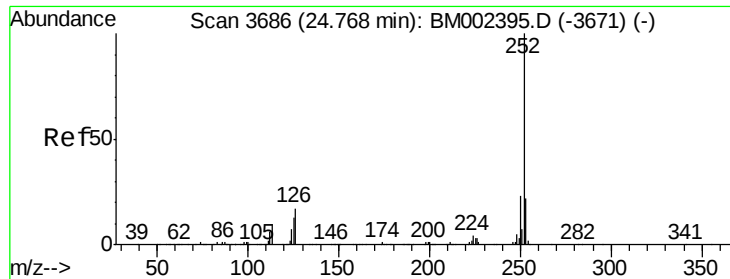


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 39.13 ng/ul

RT: 24.77 min Scan# 3687

Delta R.T. 0.01 min

Lab File: BM002396.D

Acq: 14 Aug 2015 21:39

Instrument :

BNA_M

ClientSampleId :

SSTD04035

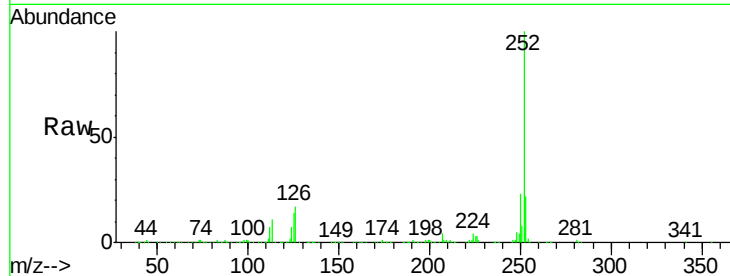
Tot Ion:252 Resp: 1328349

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	14.0	10.7	16.1

252 100

253 21.7 17.6 26.4

125 14.0 10.7 16.1

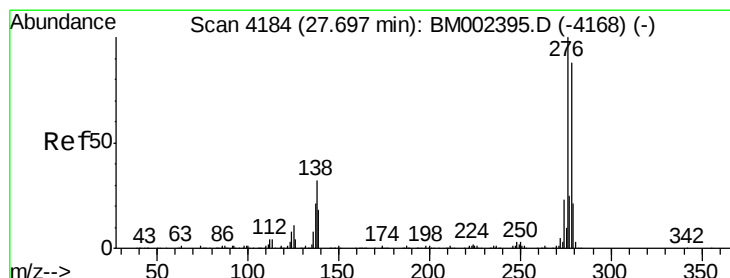
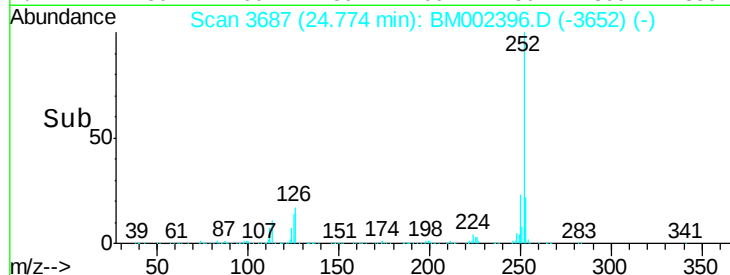
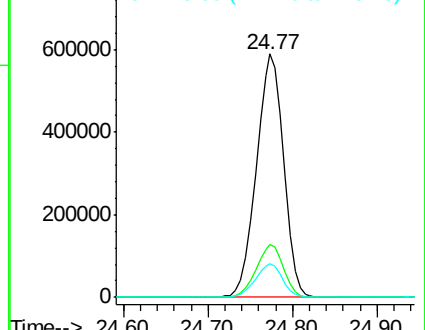


Abundance

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: 38.91 ng/ul

RT: 27.71 min Scan# 4186

Delta R.T. 0.01 min

Lab File: BM002396.D

Acq: 14 Aug 2015 21:39

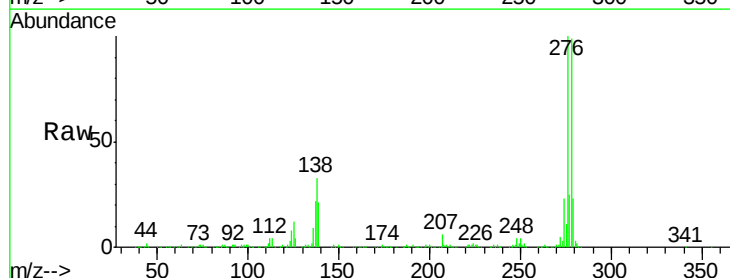
Tgt Ion:276 Resp: 1518789

Ion	Ratio	Lower	Upper
276	100		
138	33.0	25.3	37.9
277	25.1	20.2	30.2

276 100

138 33.0 25.3 37.9

277 25.1 20.2 30.2

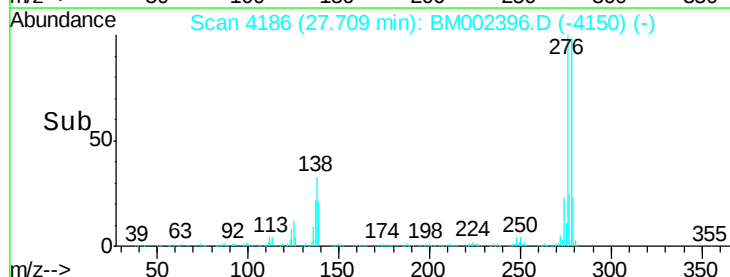
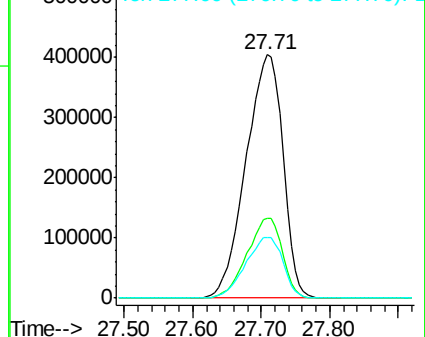


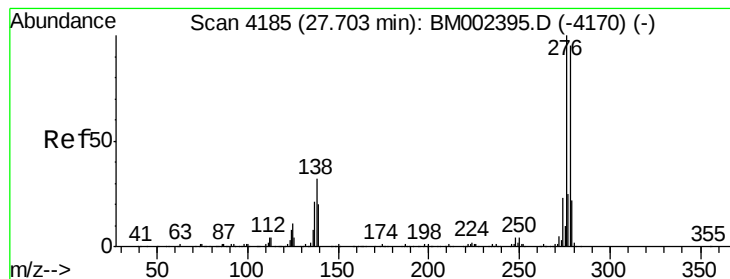
Abundance

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





#28

Dibenzo(a,h)anthracene

Concen: 39.02 ng/ul

RT: 27.71 min Scan# 4187

Delta R.T. 0.01 min

Lab File: BM002396.D

Acq: 14 Aug 2015 21:39

Instrument :

BNA_M

ClientSampleId :

SSTD04035

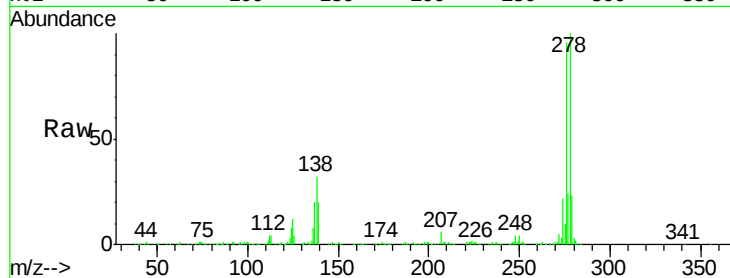
Tot Ion:278 Resp: 1273244

Ion Ratio Lower Upper

278 100

139 20.3 16.5 24.7

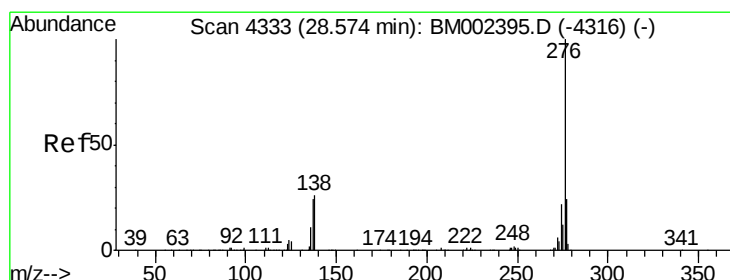
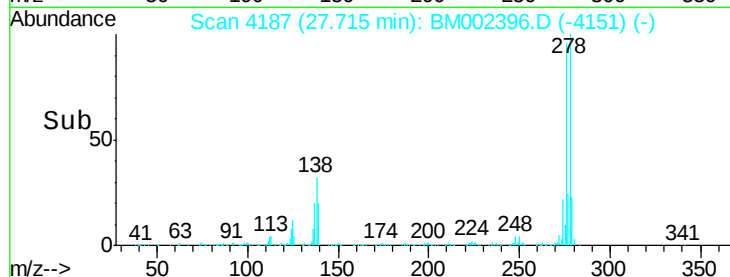
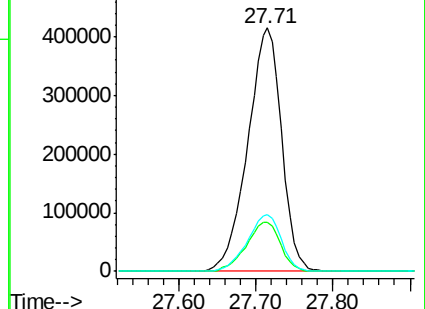
279 23.1 18.8 28.2



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: 39.20 ng/ul

RT: 28.59 min Scan# 4335

Delta R.T. 0.01 min

Lab File: BM002396.D

Acq: 14 Aug 2015 21:39

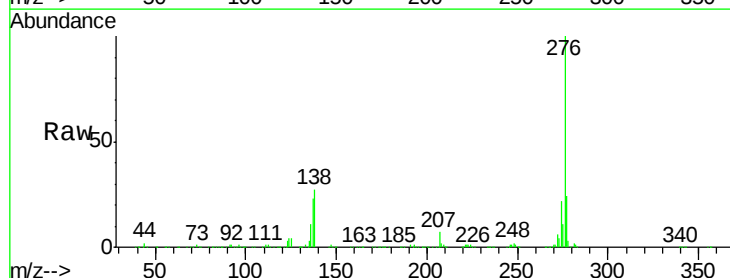
Tgt Ion:276 Resp: 1273839

Ion Ratio Lower Upper

276 100

138 26.6 21.0 31.6

277 23.5 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

