

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002395.D
 Acq On : 14 Aug 2015 21:03
 Operator : UM/IZ
 Sample : SSTD02034
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02034

Quant Time: Aug 17 01:37:37 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	86712	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	434525	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.44	164	252855	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.15	188	552459	20.00	ng/ul	0.00
17) Chrysene-d12	22.23	240	583053	20.00	ng/ul	0.00
22) Perylene-d12	24.89	264	590208	20.00	ng/ul	0.00

System Monitoring Compounds						
7) Acenaphthylene-d8	15.15	160	512333	19.82	ng/ul	0.00
10) Fluorene-d10	16.42	176	357817	19.71	ng/ul	0.00
14) Anthracene-d10	18.25	188	527369	19.79	ng/ul	0.00
18) Pyrene-d10	20.46	212	549131	21.25	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.71	264	609499	19.66	ng/ul	0.00

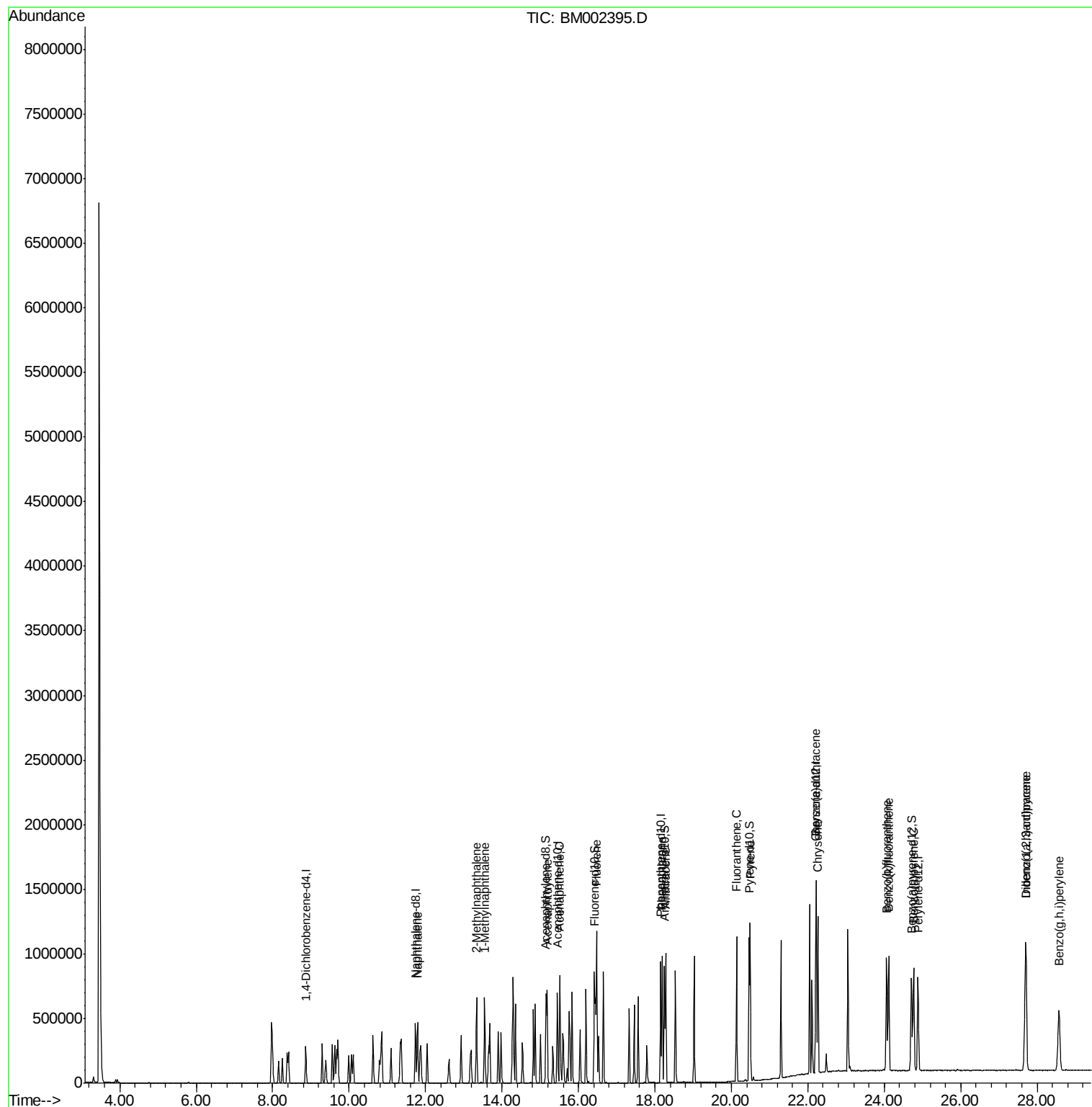
Target Compounds				Ovalue		
3) Naphthalene	11.79	128	432708	19.51	ng/ul	100
4) 2-Methylnaphthalene	13.33	142	324687	19.54	ng/ul	100
5) 1-Methylnaphthalene	13.55	142	322623	19.63	ng/ul	100
8) Acenaphthylene	15.18	152	535840	19.80	ng/ul	100
9) Acenaphthene	15.51	153	349900	19.63	ng/ul	100
11) Fluorene	16.47	166	403919	19.78	ng/ul	100
13) Phenanthrene	18.19	178	628271	19.69	ng/ul	100
15) Anthracene	18.28	178	641441	19.84	ng/ul	100
16) Fluoranthene	20.14	202	703298	19.47	ng/ul	100
19) Pyrene	20.49	202	732164	21.44	ng/ul	100
20) Benzo(a)anthracene	22.21	228	688566	19.75	ng/ul	100
21) Chrysene	22.27	228	650227	19.94	ng/ul	100
23) Benzo(b)fluoranthene	24.06	252	691123	19.37	ng/ul	100
24) Benzo(k)fluoranthene	24.11	252	677593	20.04	ng/ul	100
26) Benzo(a)pyrene	24.77	252	675742	19.83	ng/ul	100
27) Indeno(1,2,3-cd)pyrene	27.70	276	772814	19.72	ng/ul	100
28) Dibenzo(a,h)anthracene	27.70	278	647804	19.77	ng/ul	100
29) Benzo(g,h,i)perylene	28.57	276	642000	19.68	ng/ul	100

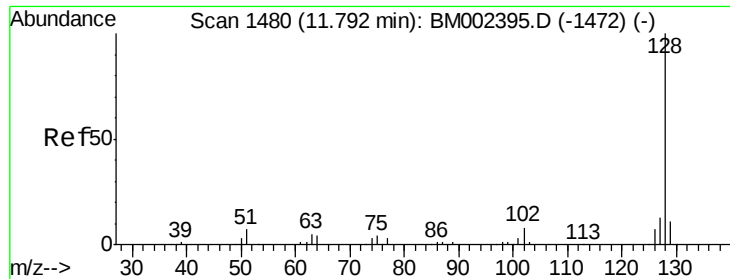
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 19.51 ng/ul

RT: 11.79 min Scan# 1480

Delta R.T. 0.00 min

Lab File: BM002395.D

Acq: 14 Aug 2015 21:03

Instrument :

BNA_M

ClientSampleId :

SSTD02034

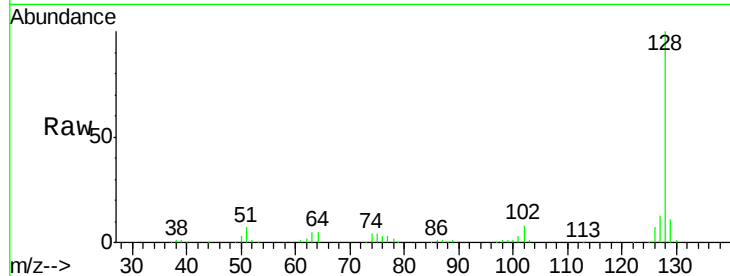
Tot Ion:128 Resp: 432708

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

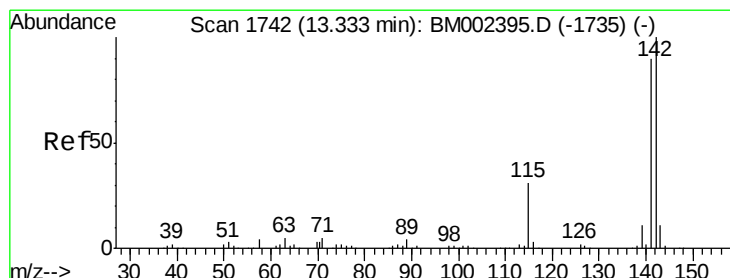
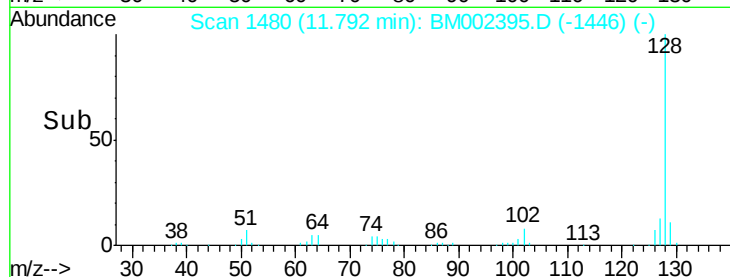
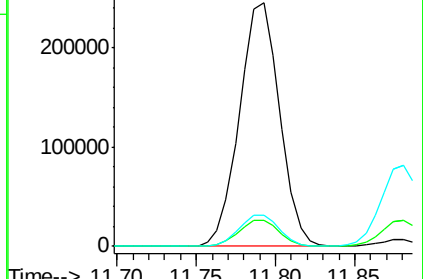
127 13.0 10.4 15.6



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: 19.54 ng/ul

RT: 13.33 min Scan# 1742

Delta R.T. 0.00 min

Lab File: BM002395.D

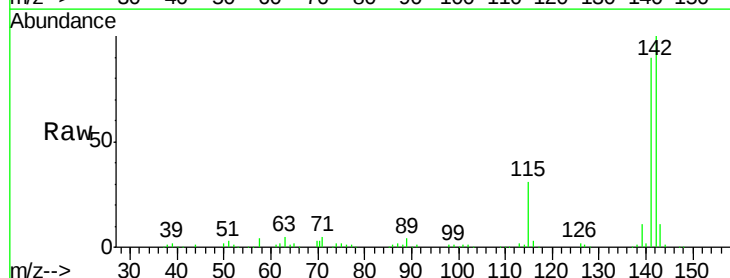
Acq: 14 Aug 2015 21:03

Tgt Ion:142 Resp: 324687

Ion Ratio Lower Upper

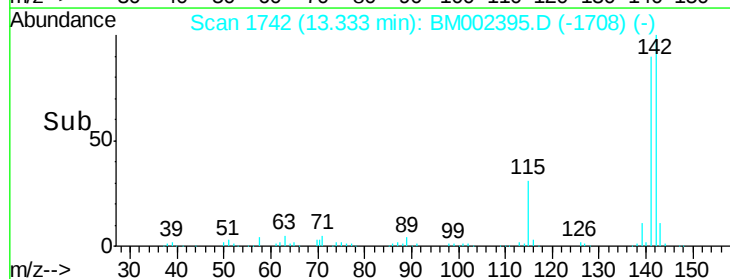
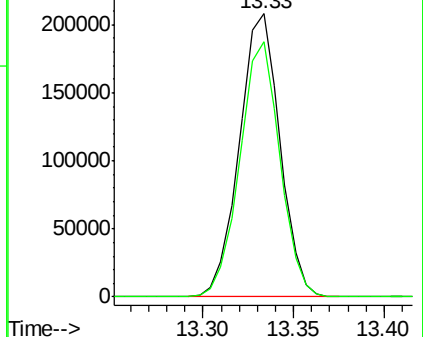
142 100

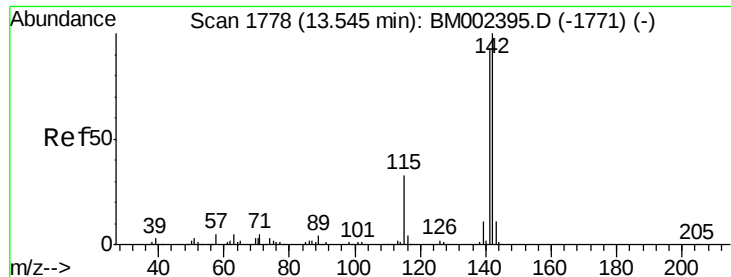
141 90.2 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 19.63 ng/ul

RT: 13.55 min Scan# 1778

Delta R.T. 0.00 min

Lab File: BM002395.D

Acq: 14 Aug 2015 21:03

Instrument :

BNA_M

ClientSampled :

SSTD02034

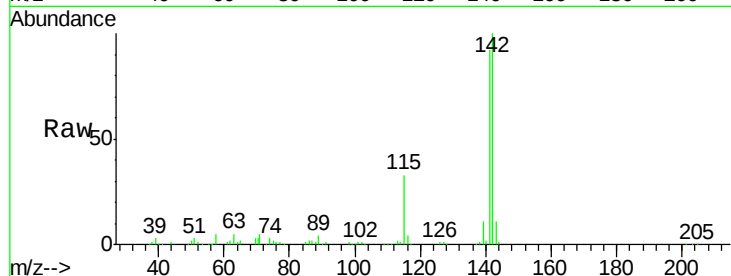
Tot Ion:142 Resp: 322623

Ion Ratio Lower Upper

142 100

141 92.4 73.9 110.9

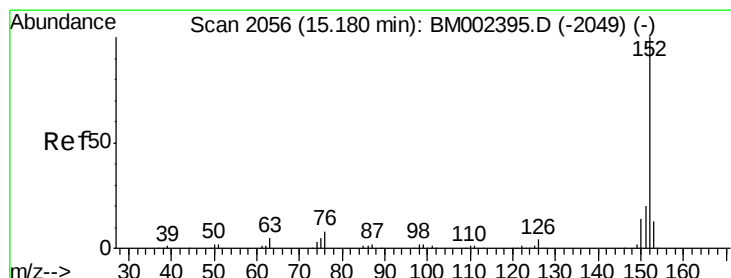
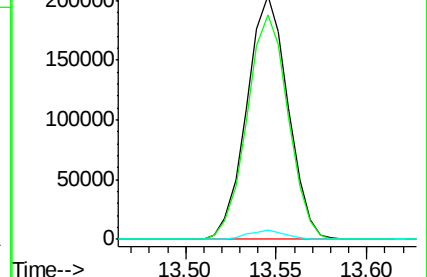
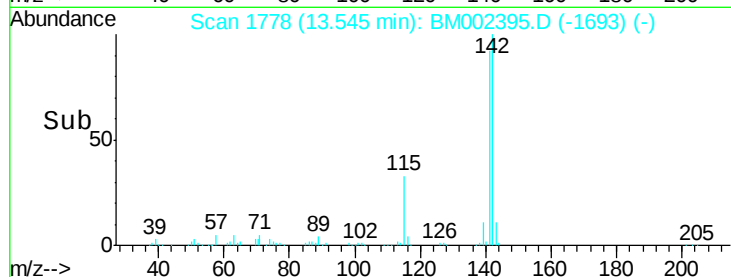
116 3.7 3.0 4.4



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: 19.80 ng/ul

RT: 15.18 min Scan# 2056

Delta R.T. 0.00 min

Lab File: BM002395.D

Acq: 14 Aug 2015 21:03

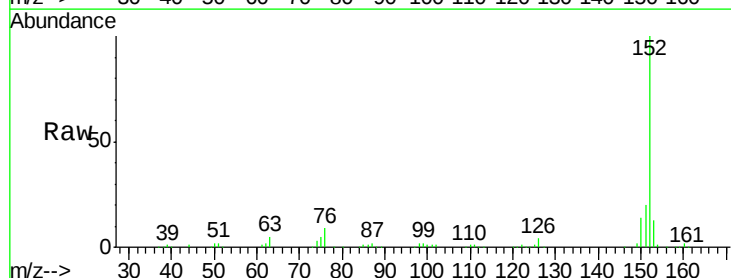
Tgt Ion:152 Resp: 535840

Ion Ratio Lower Upper

152 100

151 19.6 15.7 23.5

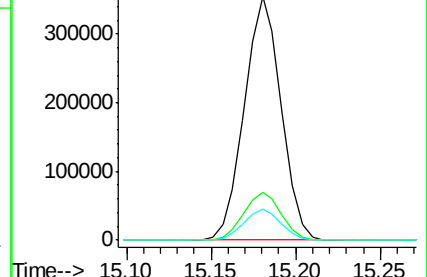
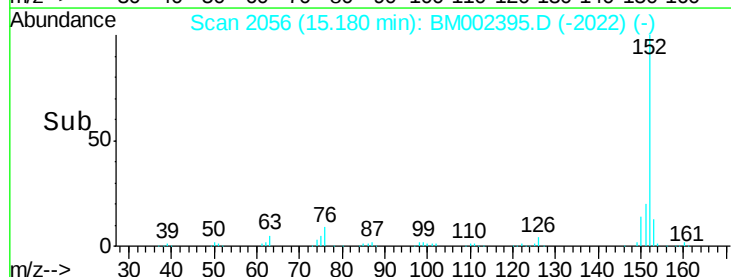
153 12.8 10.2 15.4

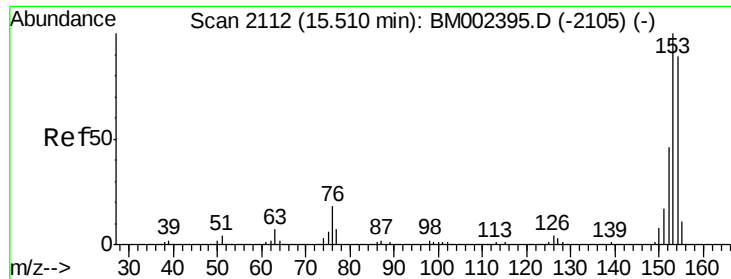


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 19.63 ng/ul

RT: 15.51 min Scan# 2112

Delta R.T. 0.00 min

Lab File: BM002395.D

Acq: 14 Aug 2015 21:03

Instrument :

BNA_M

ClientSampleId :

SSTD02034

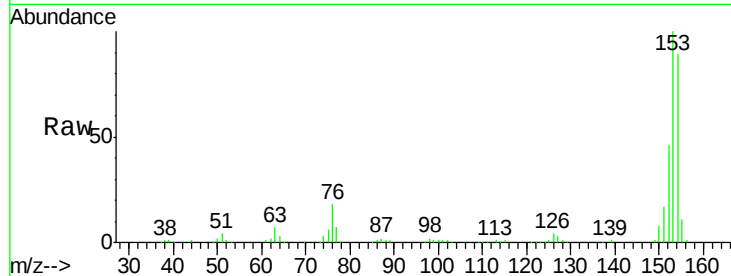
Tot Ion:153 Resp: 349900

Ion Ratio Lower Upper

153 100

152 46.1 36.9 55.3

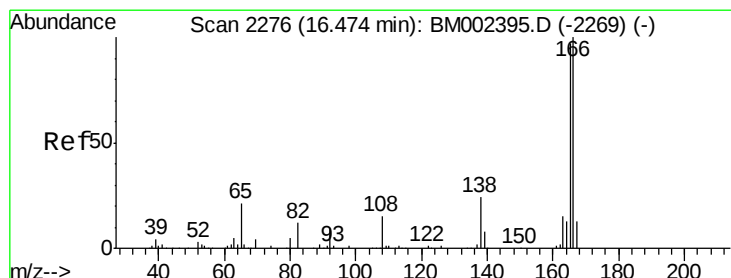
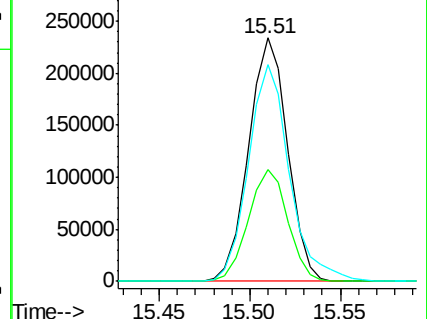
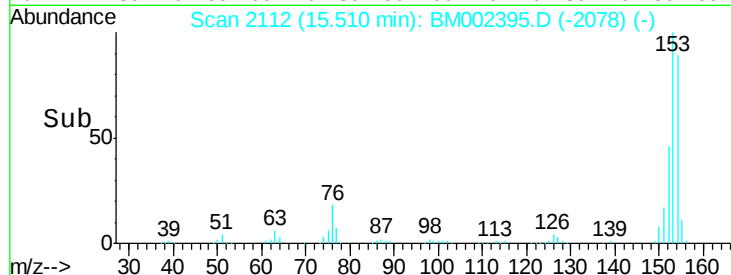
154 89.1 71.3 106.9



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: 19.78 ng/ul

RT: 16.47 min Scan# 2276

Delta R.T. 0.00 min

Lab File: BM002395.D

Acq: 14 Aug 2015 21:03

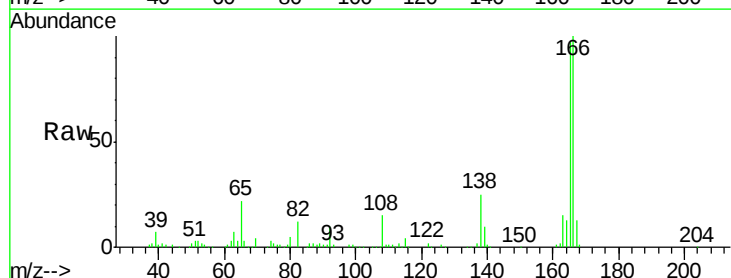
Tgt Ion:166 Resp: 403919

Ion Ratio Lower Upper

166 100

165 97.0 77.6 116.4

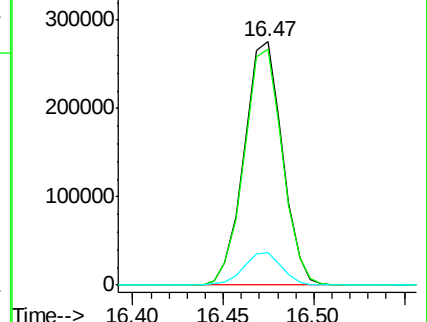
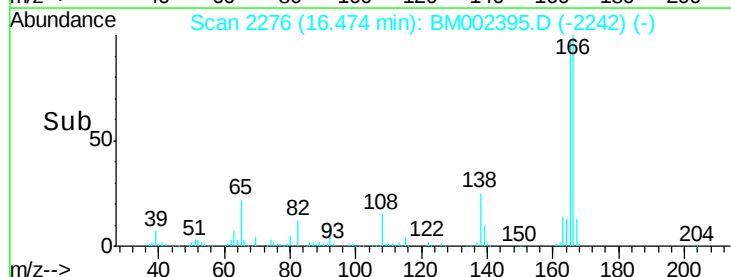
167 13.4 10.7 16.1

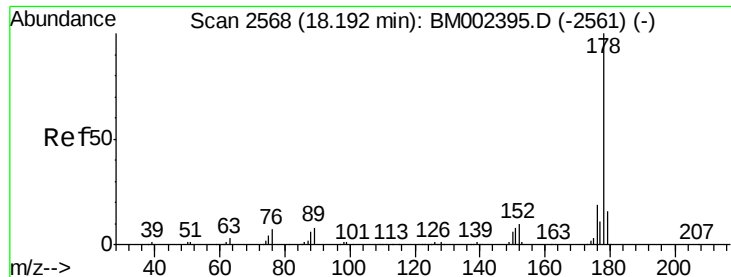


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

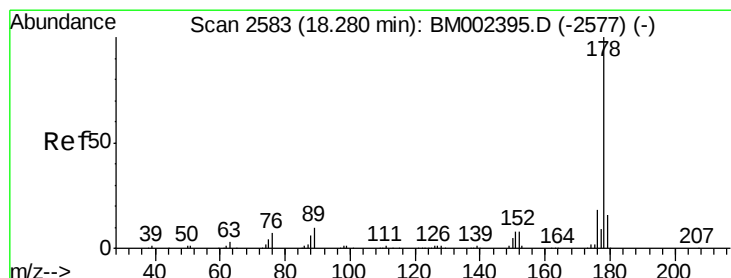
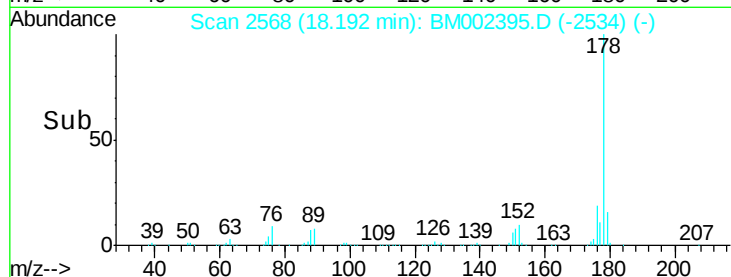
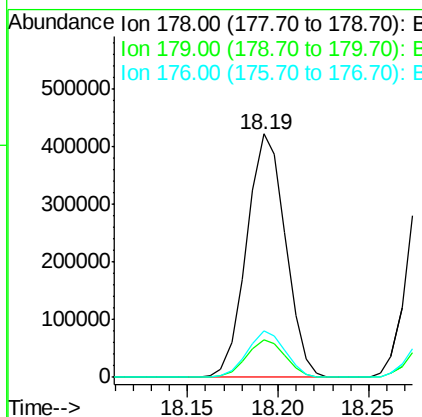
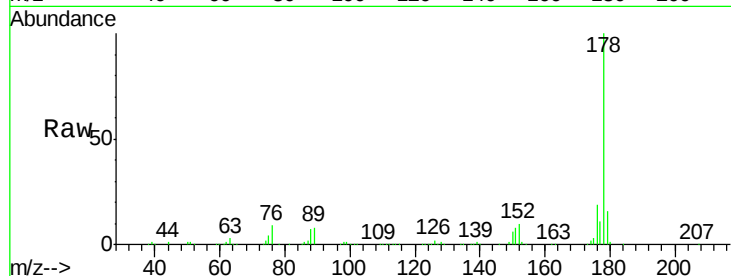




#13
Phenanthrene
Concen: 19.69 ng/ul
RT: 18.19 min Scan# 2568
Delta R.T. 0.00 min
Lab File: BM002395.D
Acq: 14 Aug 2015 21:03

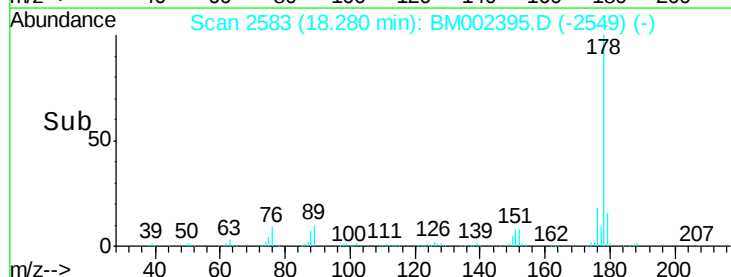
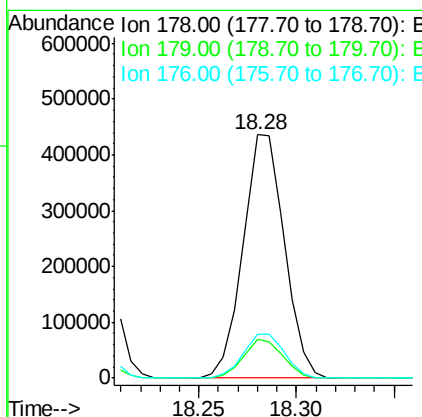
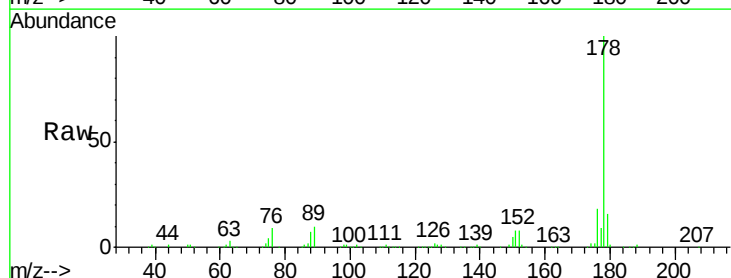
Instrument :
BNA_M
ClientSampleId :
SSTD02034

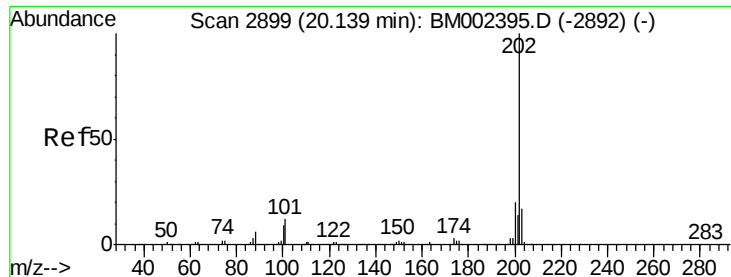
Tot Ion:178 Resp: 628271
Ion Ratio Lower Upper
178 100
179 15.5 12.4 18.6
176 18.9 15.1 22.7



#15
Anthracene
Concen: 19.84 ng/ul
RT: 18.28 min Scan# 2583
Delta R.T. 0.00 min
Lab File: BM002395.D
Acq: 14 Aug 2015 21:03

Tgt Ion:178 Resp: 641441
Ion Ratio Lower Upper
178 100
179 15.7 12.6 18.8
176 18.1 14.5 21.7

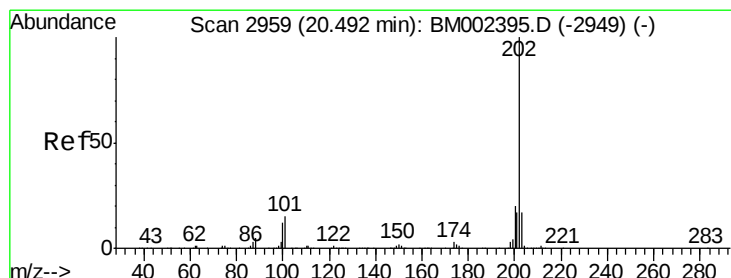
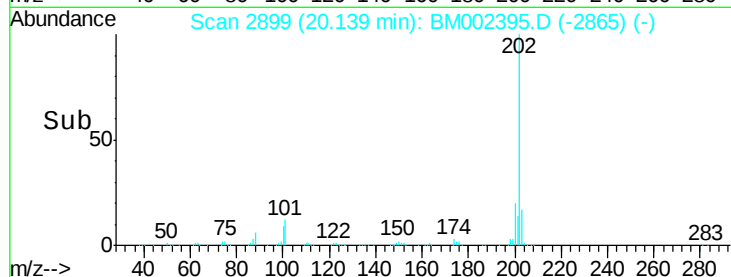
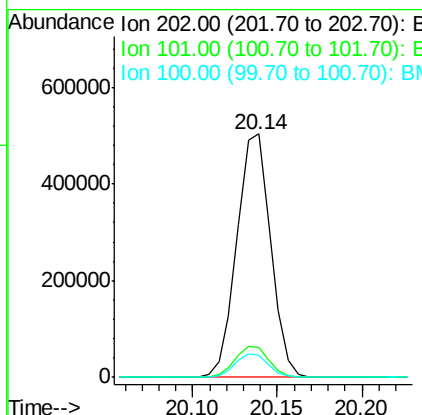
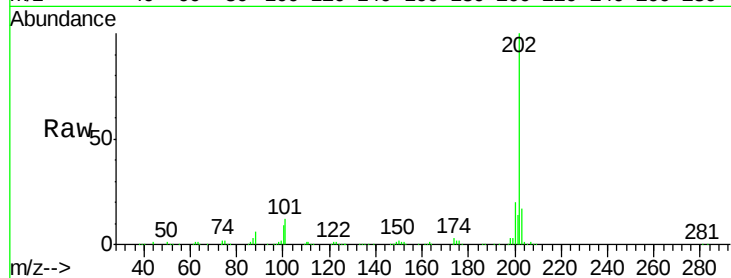




#16
Fluoranthene
 Concen: 19.47 ng/ul
 RT: 20.14 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: BM002395.D
 Acq: 14 Aug 2015 21:03

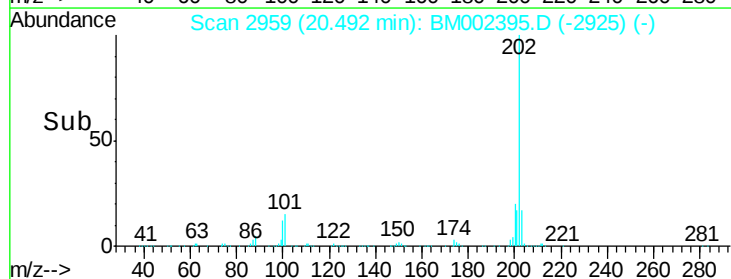
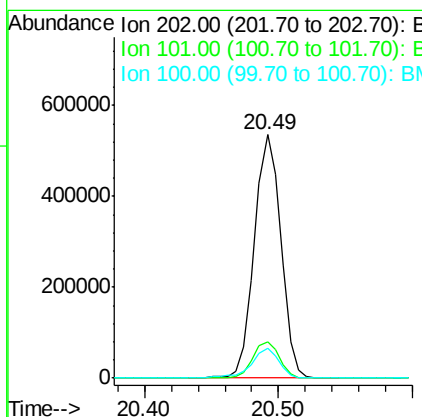
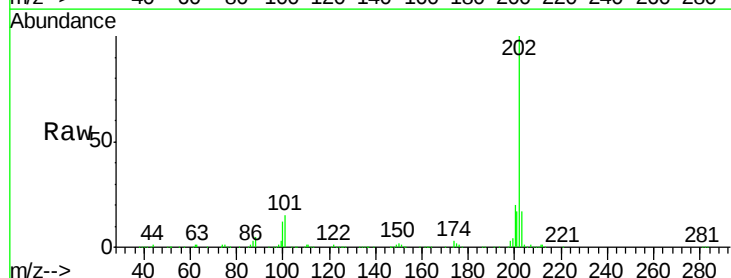
Instrument :
 BNA_M
 ClientSampleId :
 SST02034

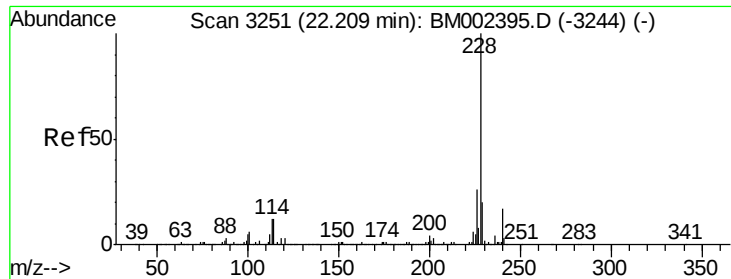
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.1	9.7	14.5
100	9.3	7.4	11.2



#19
Pyrene
 Concen: 21.44 ng/ul
 RT: 20.49 min Scan# 2959
 Delta R.T. 0.00 min
 Lab File: BM002395.D
 Acq: 14 Aug 2015 21:03

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.0	12.0	18.0
100	12.1	9.7	14.5





#20

Benzo(a)anthracene

Concen: 19.75 ng/ul

RT: 22.21 min Scan# 3251

Delta R.T. 0.00 min

Lab File: BM002395.D

Acq: 14 Aug 2015 21:03

Instrument :

BNA_M

ClientSampleId :

SSTD02034

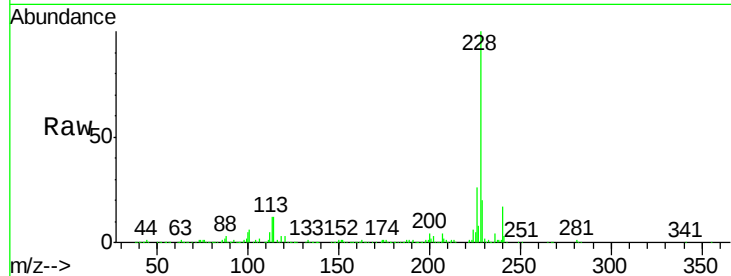
Tot Ion:228 Resp: 688566

Ion Ratio Lower Upper

228 100

229 19.7 15.8 23.6

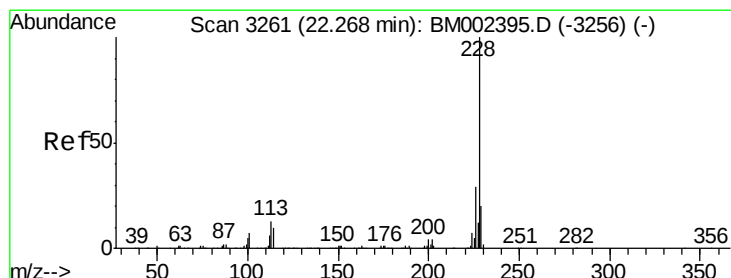
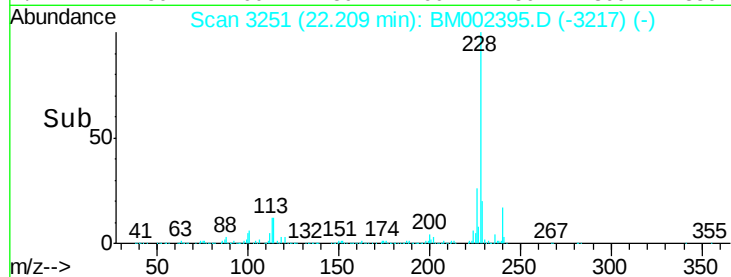
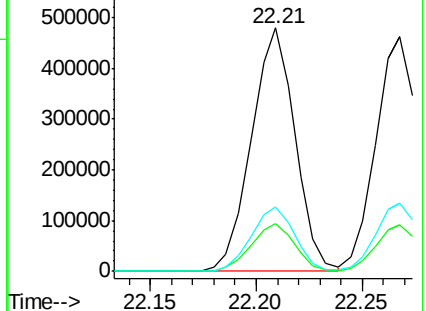
226 26.4 21.1 31.7



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: 19.94 ng/ul

RT: 22.27 min Scan# 3261

Delta R.T. 0.00 min

Lab File: BM002395.D

Acq: 14 Aug 2015 21:03

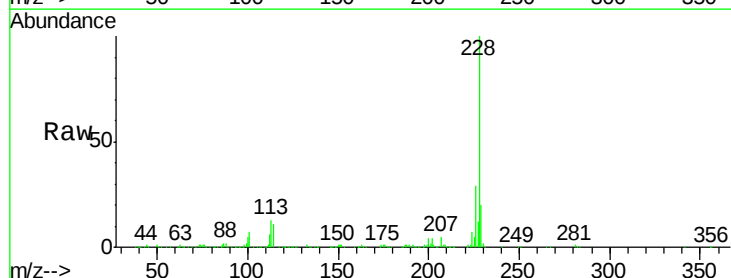
Tgt Ion:228 Resp: 650227

Ion Ratio Lower Upper

228 100

226 29.3 23.4 35.2

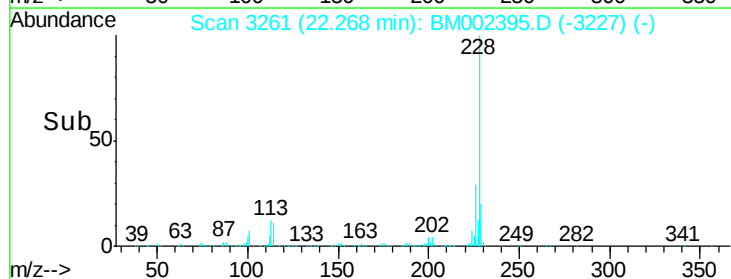
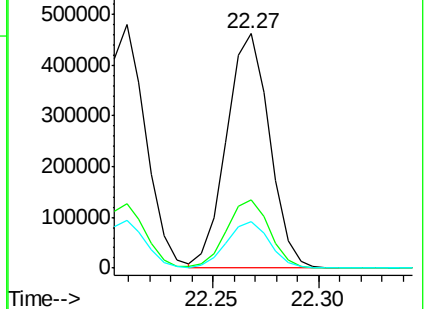
229 19.6 15.7 23.5

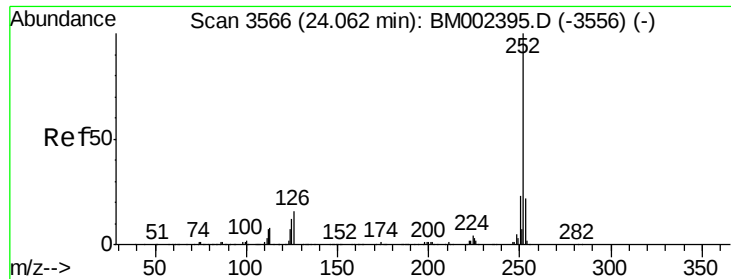


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 19.37 ng/ul

RT: 24.06 min Scan# 3566

Delta R.T. 0.00 min

Lab File: BM002395.D

Acq: 14 Aug 2015 21:03

Instrument :

BNA_M

ClientSampleId :

SSTD02034

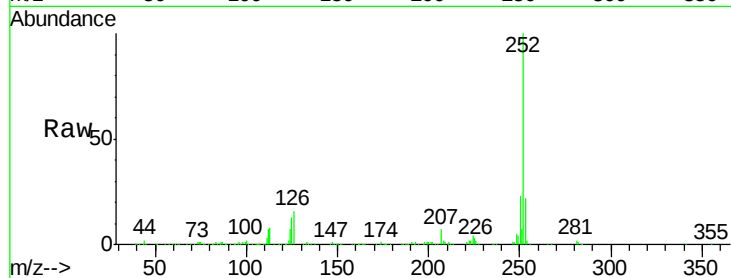
Tot Ion:252 Resp: 691123

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.0

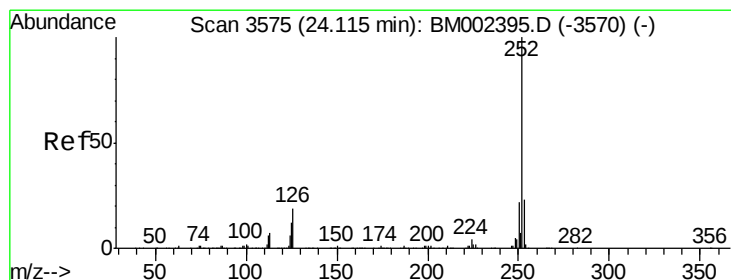
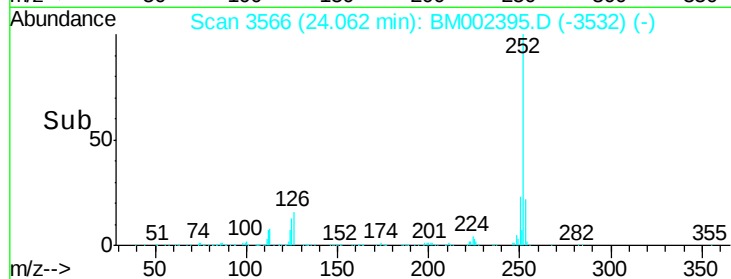
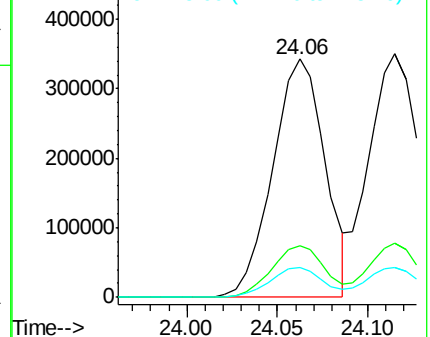
125 12.5 10.0 15.0



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: 20.04 ng/ul

RT: 24.11 min Scan# 3575

Delta R.T. 0.00 min

Lab File: BM002395.D

Acq: 14 Aug 2015 21:03

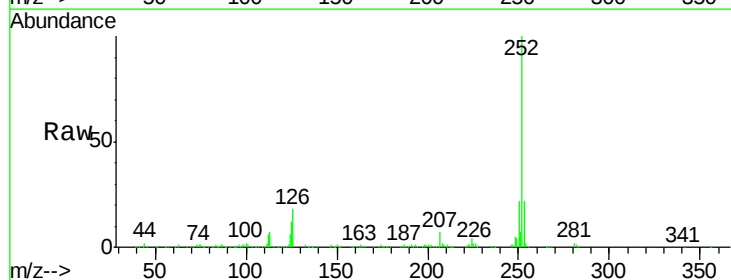
Tgt Ion:252 Resp: 677593

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

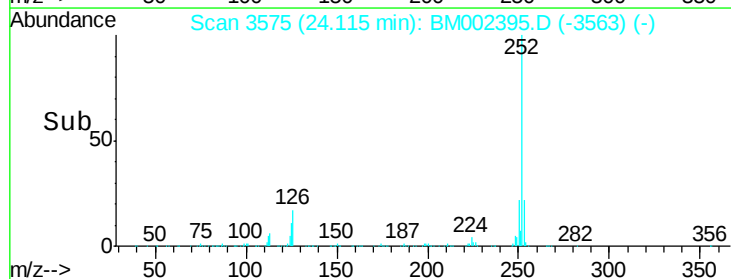
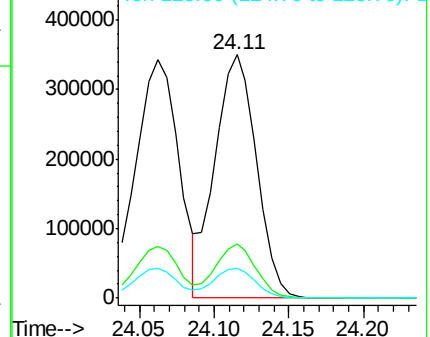
125 12.3 9.8 14.8

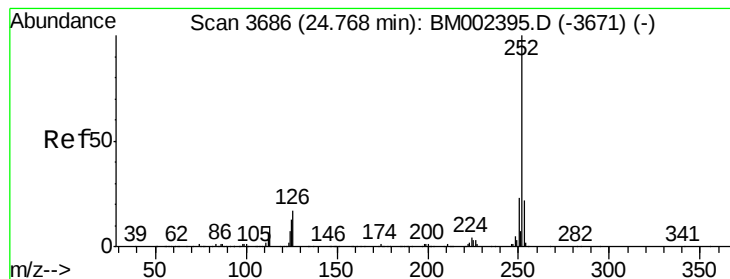


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 19.83 ng/ul

RT: 24.77 min Scan# 3686

Delta R.T. 0.00 min

Lab File: BM002395.D

Acq: 14 Aug 2015 21:03

Instrument :

BNA_M

ClientSampleId :

SSTD02034

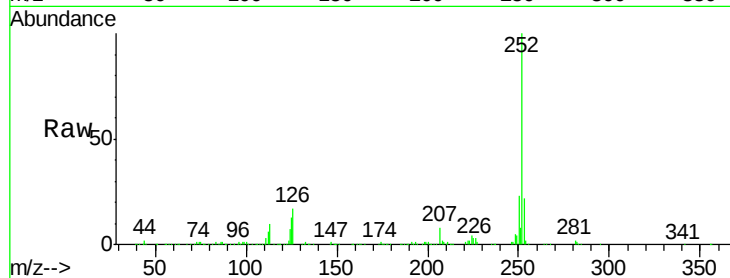
Tot Ion:252 Resp: 675742

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

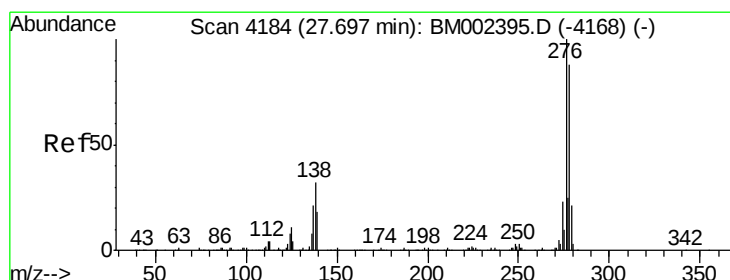
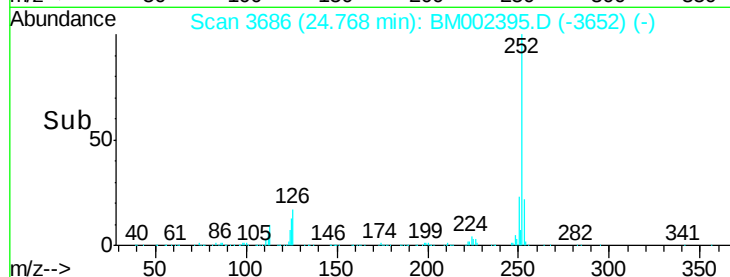
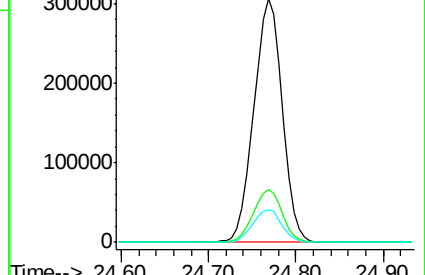
125 13.4 10.7 16.1



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: 19.72 ng/ul

RT: 27.70 min Scan# 4184

Delta R.T. 0.00 min

Lab File: BM002395.D

Acq: 14 Aug 2015 21:03

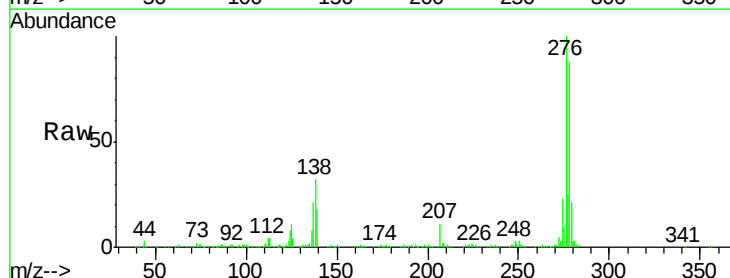
Tgt Ion:276 Resp: 772814

Ion Ratio Lower Upper

276 100

138 31.6 25.3 37.9

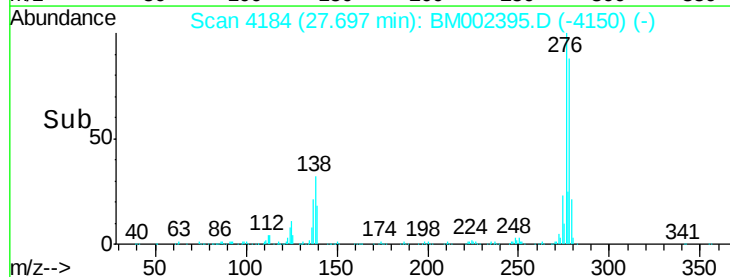
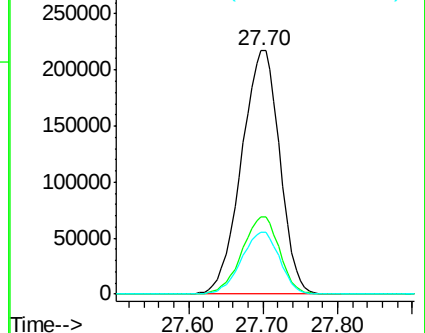
277 25.2 20.2 30.2

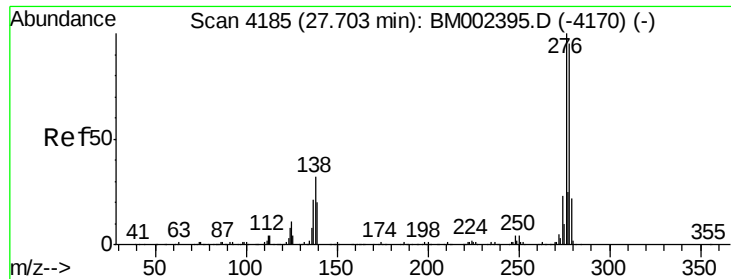


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 19.77 ng/ul

RT: 27.70 min Scan# 4185

Delta R.T. 0.00 min

Lab File: BM002395.D

Acq: 14 Aug 2015 21:03

Instrument :

BNA_M

ClientSampleId :

SSTD02034

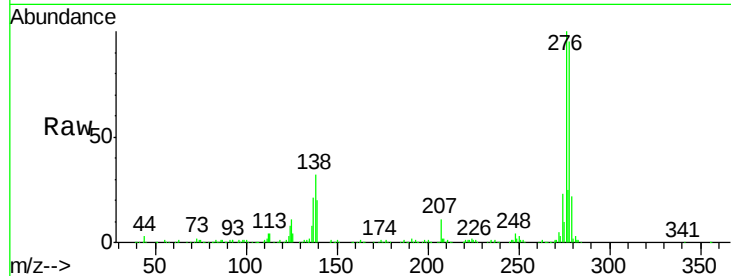
Tot Ion:278 Resp: 647804

Ion Ratio Lower Upper

278 100

139 20.6 16.5 24.7

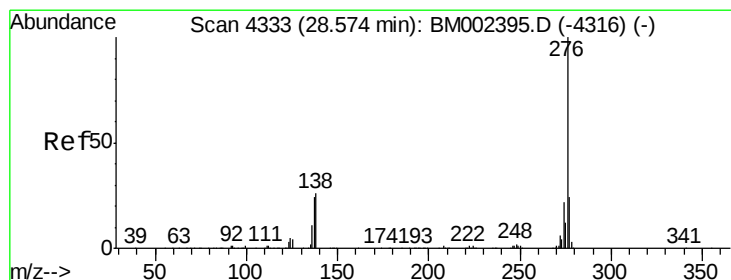
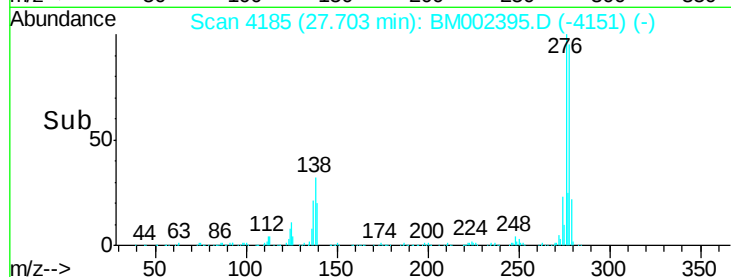
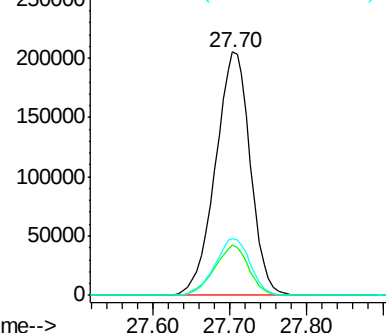
279 23.5 18.8 28.2



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: 19.68 ng/ul

RT: 28.57 min Scan# 4333

Delta R.T. 0.00 min

Lab File: BM002395.D

Acq: 14 Aug 2015 21:03

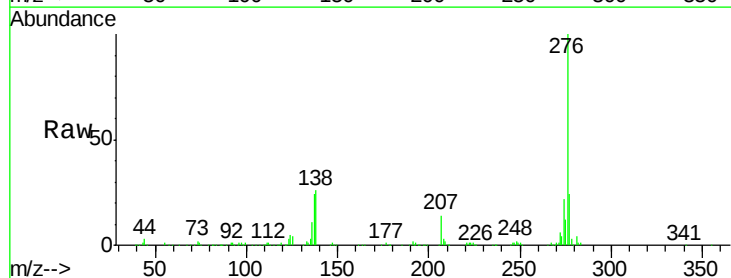
Tgt Ion:276 Resp: 642000

Ion Ratio Lower Upper

276 100

138 26.3 21.0 31.6

277 24.0 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

