

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002397.D
 Acq On : 14 Aug 2015 22:16
 Operator : UM/IZ
 Sample : SSTD08036
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD08036

Quant Time: Aug 17 01:38:01 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	96282	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	466244	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	261457	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	558721	20.00	ng/ul	0.00
17) Chrysene-d12	22.23	240	572176	20.00	ng/ul	0.00
22) Perylene-d12	24.89	264	576743	20.00	ng/ul	0.00

System Monitoring Compounds

7) Acenaphthylene-d8	15.16	160	2146056	80.28	ng/ul	0.00
10) Fluorene-d10	16.42	176	1455815	77.54	ng/ul	0.00
14) Anthracene-d10	18.26	188	2112301	78.38	ng/ul	0.00
18) Pyrene-d10	20.47	212	2163826	85.32	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.73	264	2428783	80.17	ng/ul	0.01

Target Compounds

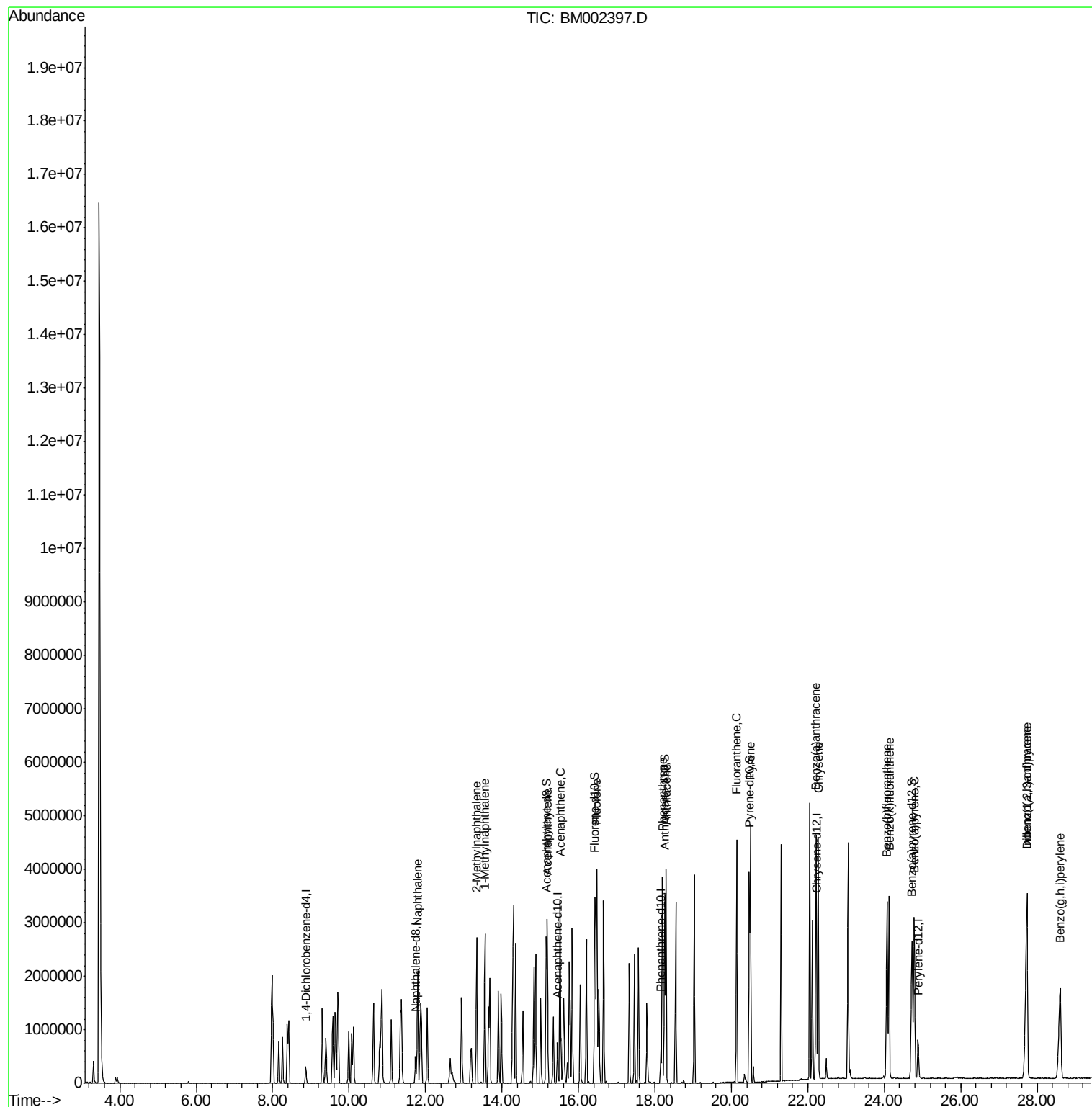
						Ovalue
3) Naphthalene	11.79	128	1914225	80.45	ng/ul	99
4) 2-Methylnaphthalene	13.33	142	1410788	79.13	ng/ul	99
5) 1-Methylnaphthalene	13.55	142	1386952	78.65	ng/ul	100
8) Acenaphthylene	15.19	152	2226122	79.56	ng/ul	99
9) Acenaphthene	15.52	153	1460976	79.27	ng/ul	99
11) Fluorene	16.48	166	1642506	77.78	ng/ul	100
13) Phenanthrene	18.20	178	2543935	78.85	ng/ul	100
15) Anthracene	18.29	178	2555530	78.16	ng/ul	99
16) Fluoranthene	20.14	202	2753194	75.37	ng/ul	96
19) Pyrene	20.50	202	2821782	84.18	ng/ul	98
20) Benzo(a)anthracene	22.21	228	2690132	78.62	ng/ul	99
21) Chrysene	22.27	228	2521018	78.77	ng/ul	99
23) Benzo(b)fluoranthene	24.07	252	2788115	79.96	ng/ul	99
24) Benzo(k)fluoranthene	24.13	252	2618972	79.26	ng/ul	99
26) Benzo(a)pyrene	24.79	252	2648129	79.52	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	27.73	276	2945389	76.90	ng/ul	97
28) Dibenzo(a,h)anthracene	27.73	278	2455639	76.71	ng/ul	100
29) Benzo(a,h,i)perylene	28.60	276	2460243	77.17	ng/ul	99

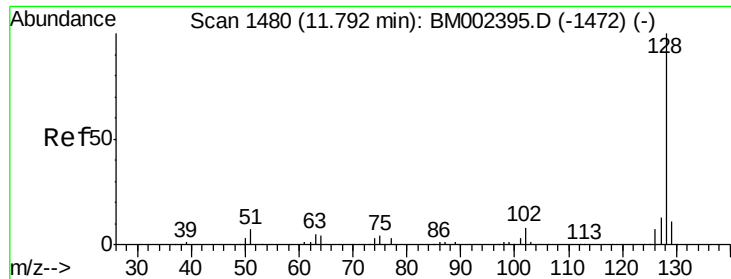
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 80.45 ng/ul

RT: 11.79 min Scan# 1480

Delta R.T. -0.00 min

Lab File: BM002397.D

Acq: 14 Aug 2015 22:16

Instrument :

BNA_M

ClientSampleId :

SSTD08036

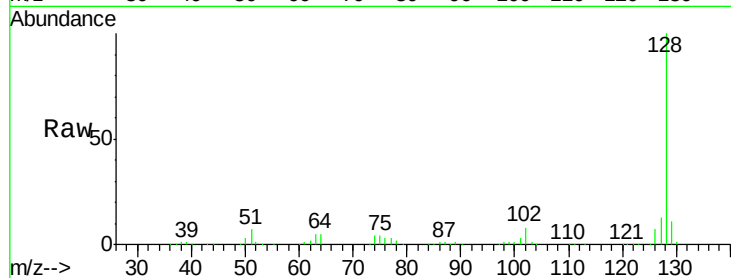
Tot Ion:128 Resp: 1914225

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

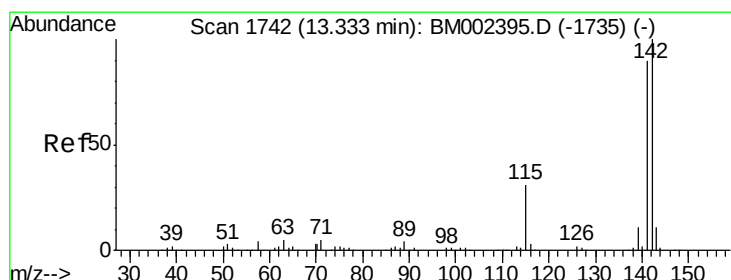
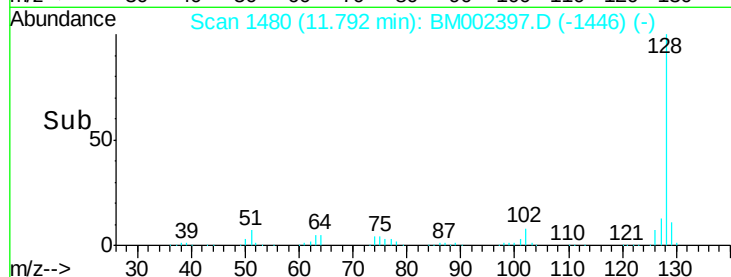
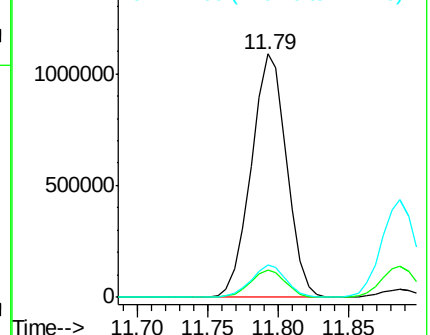
127 13.2 10.4 15.6



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: 79.13 ng/ul

RT: 13.33 min Scan# 1742

Delta R.T. -0.00 min

Lab File: BM002397.D

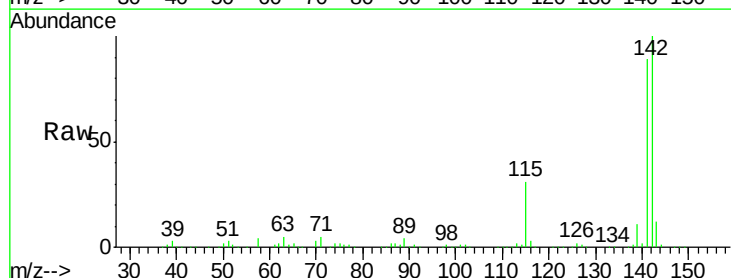
Acq: 14 Aug 2015 22:16

Tgt Ion:142 Resp: 1410788

Ion Ratio Lower Upper

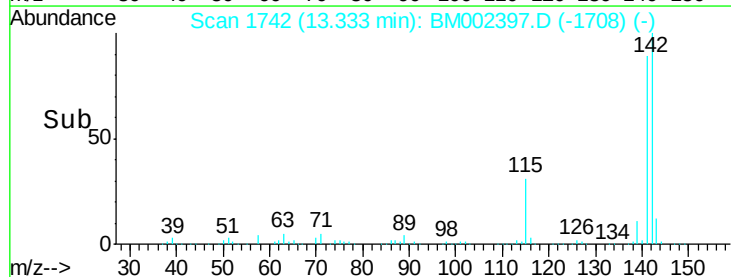
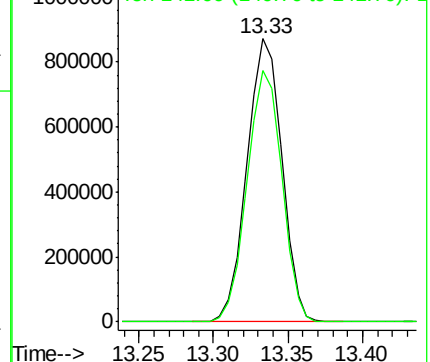
142 100

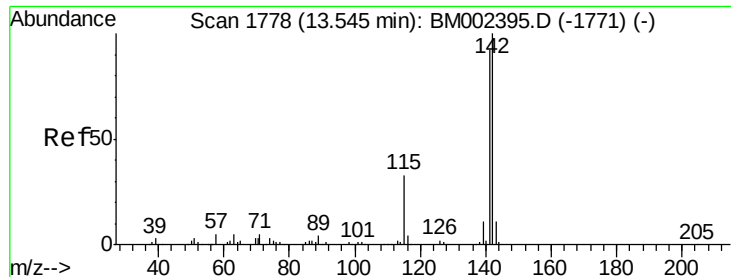
141 88.9 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 78.65 ng/ul

RT: 13.55 min Scan# 1779

Delta R.T. 0.01 min

Lab File: BM002397.D

Acq: 14 Aug 2015 22:16

Instrument :

BNA_M

ClientSampleId :

SSTD08036

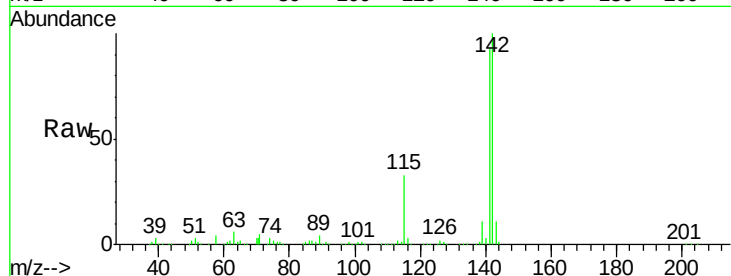
Tot Ion:142 Resp: 1386952

Ion Ratio Lower Upper

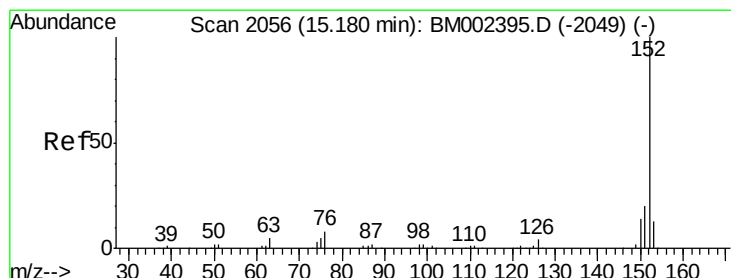
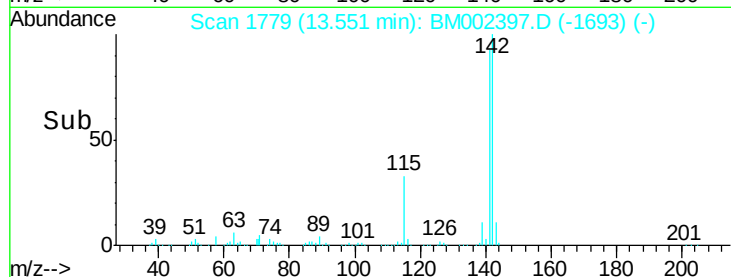
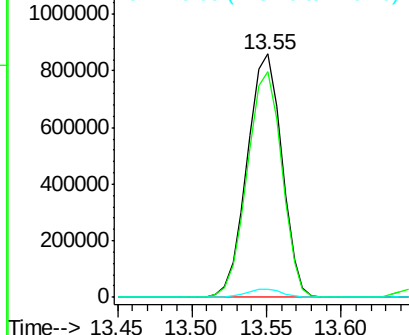
142 100

141 92.9 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: 79.56 ng/ul

RT: 15.19 min Scan# 2057

Delta R.T. 0.01 min

Lab File: BM002397.D

Acq: 14 Aug 2015 22:16

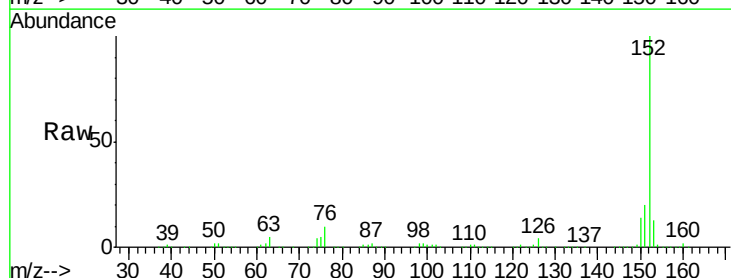
Tgt Ion:152 Resp: 2226122

Ion Ratio Lower Upper

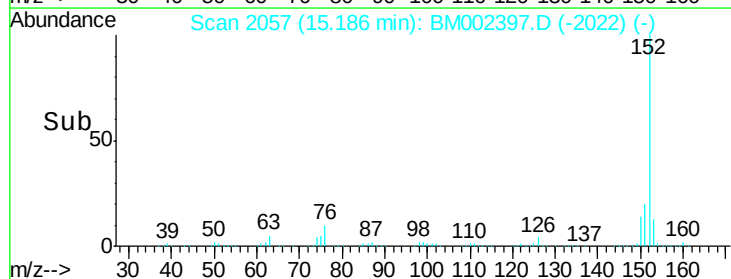
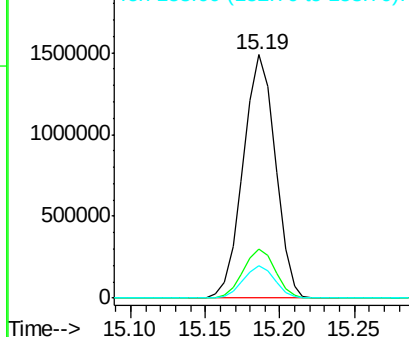
152 100

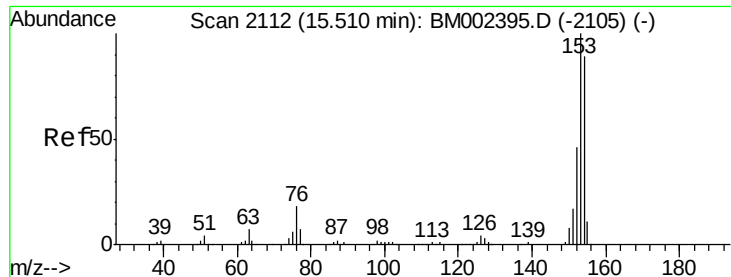
151 20.2 15.7 23.5

153 13.3 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: 79.27 ng/ul

RT: 15.52 min Scan# 2113

Delta R.T. 0.01 min

Lab File: BM002397.D

Acq: 14 Aug 2015 22:16

Instrument :

BNA_M

ClientSampleId :

SSTD08036

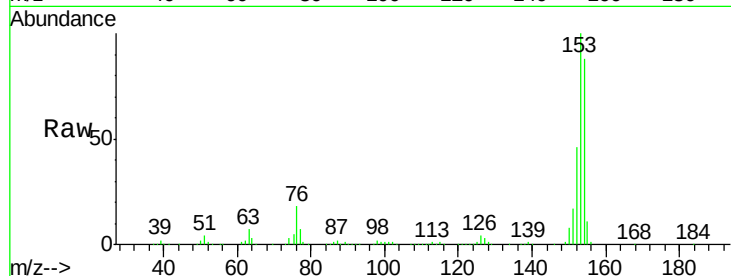
Tot Ion:153 Resp: 1460976

Ion Ratio Lower Upper

153 100

152 46.4 36.9 55.3

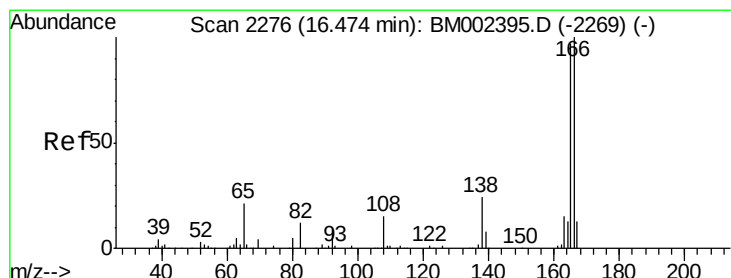
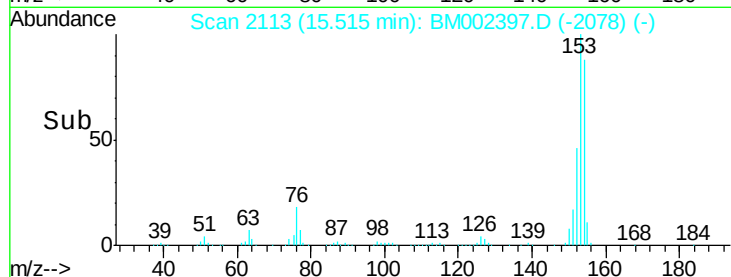
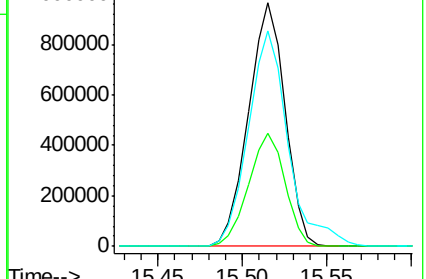
154 88.2 71.3 106.9



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: 77.78 ng/ul

RT: 16.48 min Scan# 2277

Delta R.T. 0.01 min

Lab File: BM002397.D

Acq: 14 Aug 2015 22:16

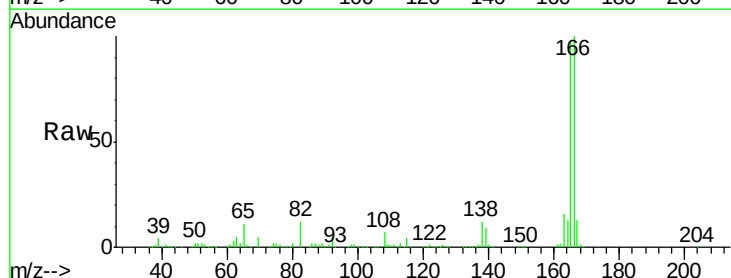
Tgt Ion:166 Resp: 1642506

Ion Ratio Lower Upper

166 100

165 97.5 77.6 116.4

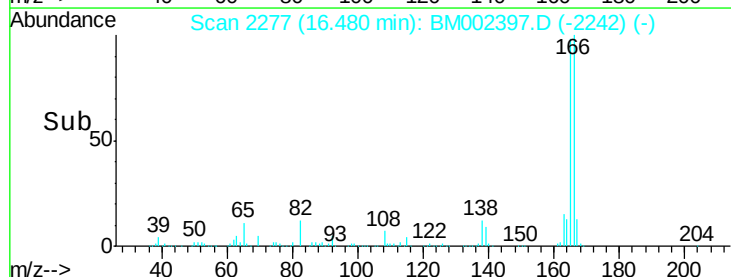
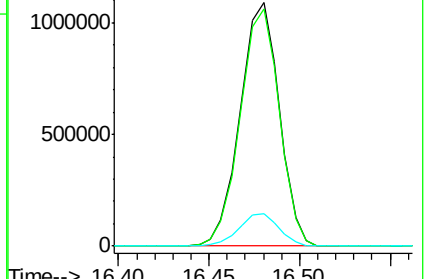
167 13.3 10.7 16.1

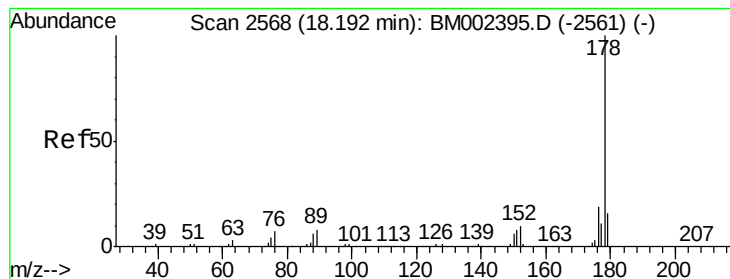


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 78.85 ng/ul

RT: 18.20 min Scan# 2569

Delta R.T. 0.01 min

Lab File: BM002397.D

Acq: 14 Aug 2015 22:16

Instrument :

BNA_M

ClientSampleId :

SSTD08036

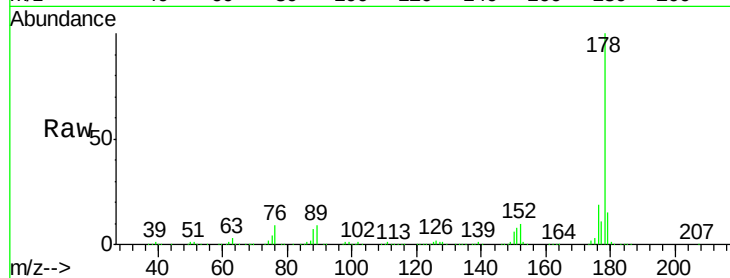
Tot Ion:178 Resp: 2543935

Ion Ratio Lower Upper

178 100

179 15.3 12.4 18.6

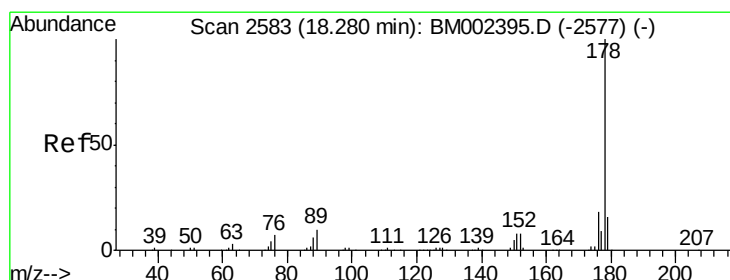
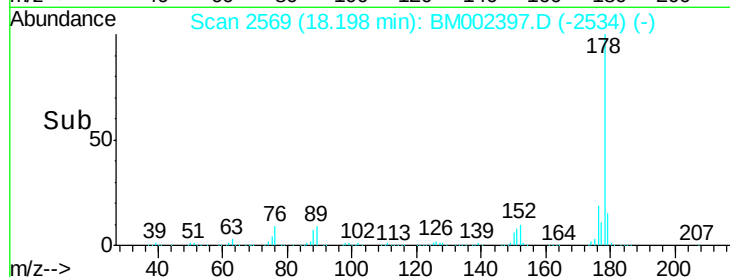
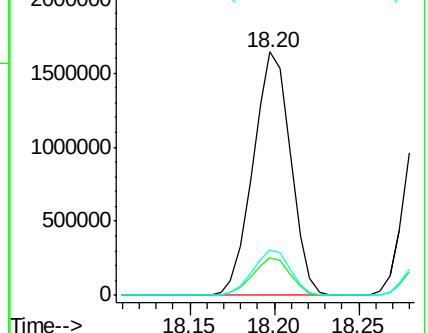
176 18.8 15.1 22.7



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



#15

Anthracene

Concen: 78.16 ng/ul

RT: 18.29 min Scan# 2585

Delta R.T. 0.01 min

Lab File: BM002397.D

Acq: 14 Aug 2015 22:16

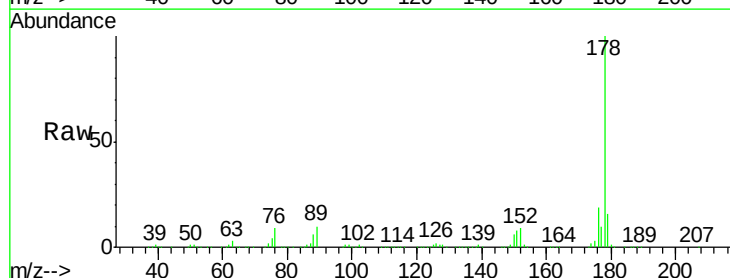
Tgt Ion:178 Resp: 2555530

Ion Ratio Lower Upper

178 100

179 15.7 12.6 18.8

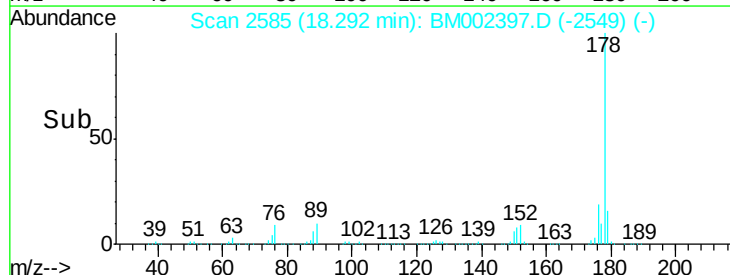
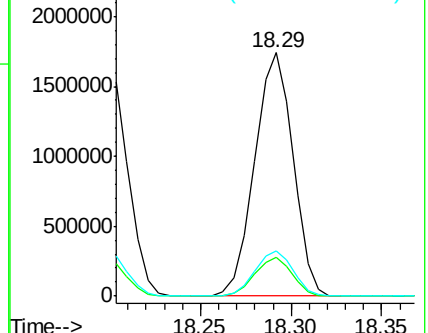
176 18.6 14.5 21.7

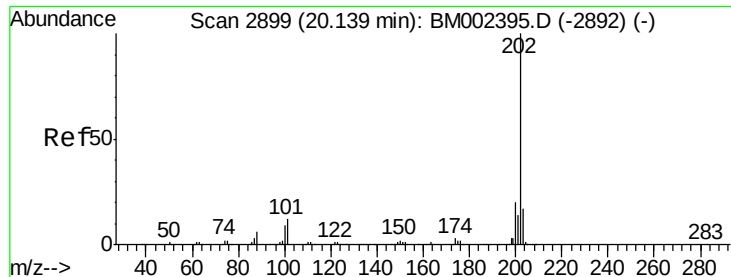


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

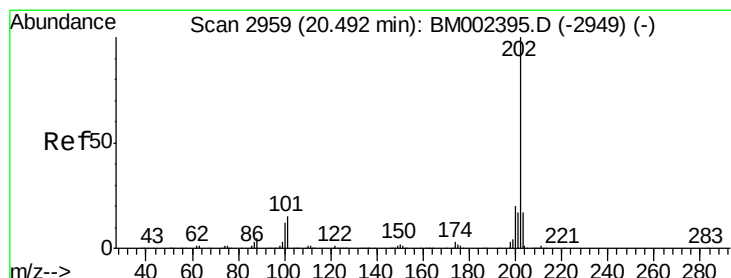
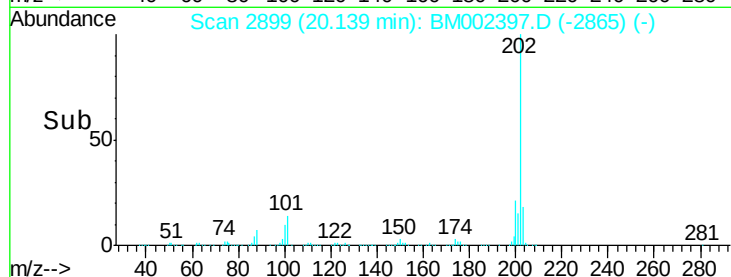
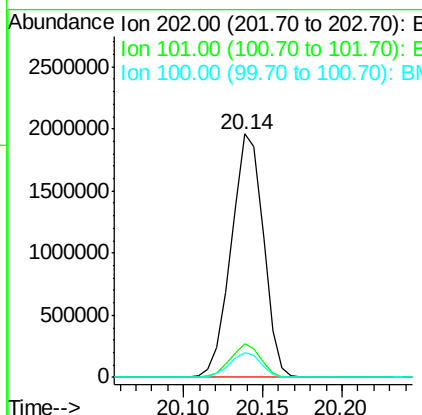
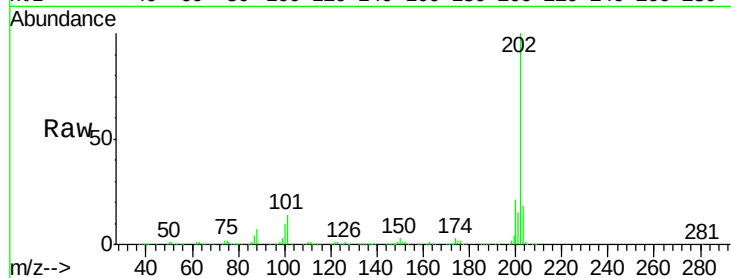




#16
 Fluoranthene
 Concen: 75.37 ng/ul
 RT: 20.14 min Scan# 2899
 Delta R.T. -0.00 min
 Lab File: BM002397.D
 Acq: 14 Aug 2015 22:16

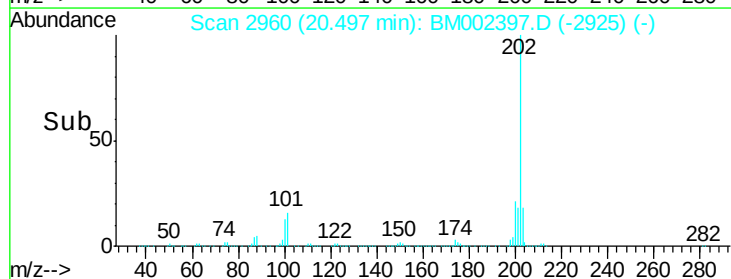
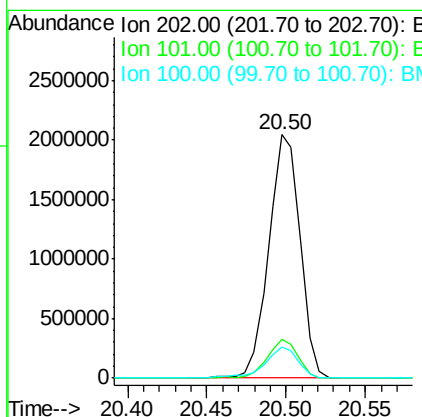
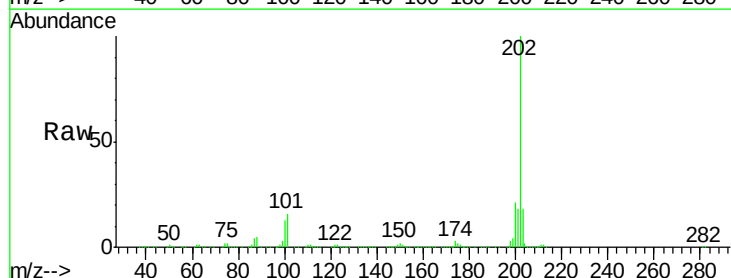
Instrument :
 BNA_M
 ClientSampleId :
 SSTD08036

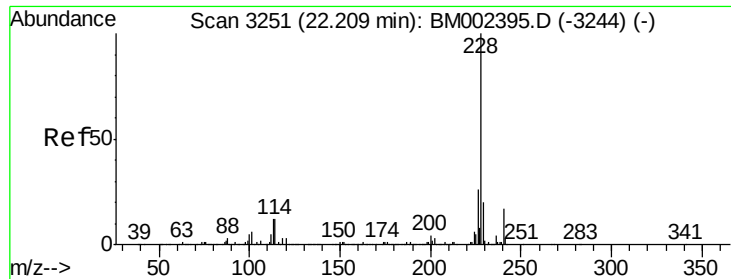
Tot Ion:202 Resp: 2753194
 Ion Ratio Lower Upper
 202 100
 101 13.7 9.7 14.5
 100 10.3 7.4 11.2



#19
 Pyrene
 Concen: 84.18 ng/ul
 RT: 20.50 min Scan# 2960
 Delta R.T. 0.01 min
 Lab File: BM002397.D
 Acq: 14 Aug 2015 22:16

Tgt Ion:202 Resp: 2821782
 Ion Ratio Lower Upper
 202 100
 101 16.0 12.0 18.0
 100 13.0 9.7 14.5





#20

Benzo(a)anthracene

Concen: 78.62 ng/ul

RT: 22.21 min Scan# 3252

Delta R.T. 0.01 min

Lab File: BM002397.D

Acq: 14 Aug 2015 22:16

Instrument :

BNA_M

ClientSampleId :

SSTD08036

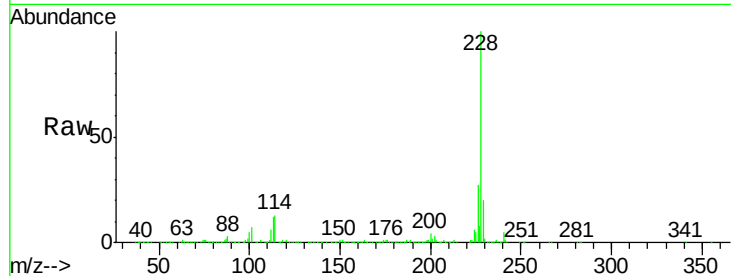
Tot Ion:228 Resp: 2690132

Ion Ratio Lower Upper

228 100

229 19.8 15.8 23.6

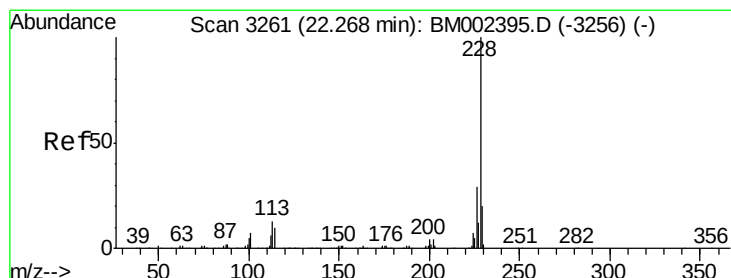
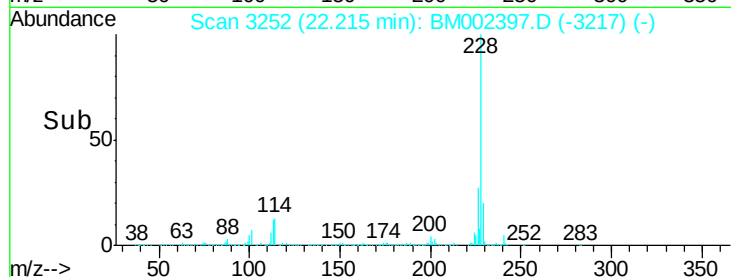
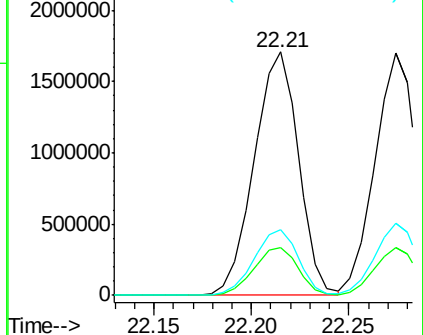
226 27.1 21.1 31.7



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: 78.77 ng/ul

RT: 22.27 min Scan# 3262

Delta R.T. 0.01 min

Lab File: BM002397.D

Acq: 14 Aug 2015 22:16

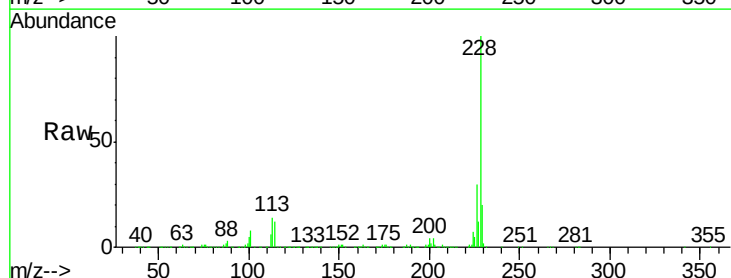
Tgt Ion:228 Resp: 2521018

Ion Ratio Lower Upper

228 100

226 29.8 23.4 35.2

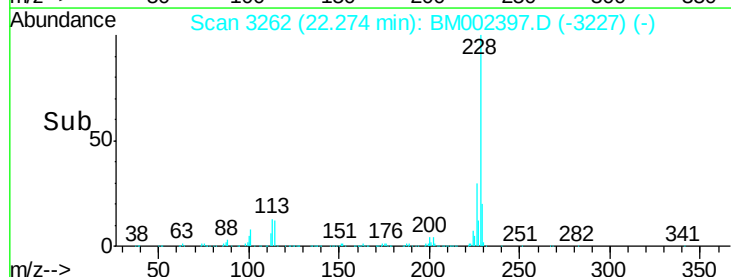
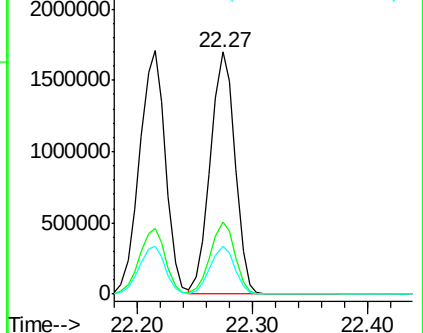
229 19.8 15.7 23.5

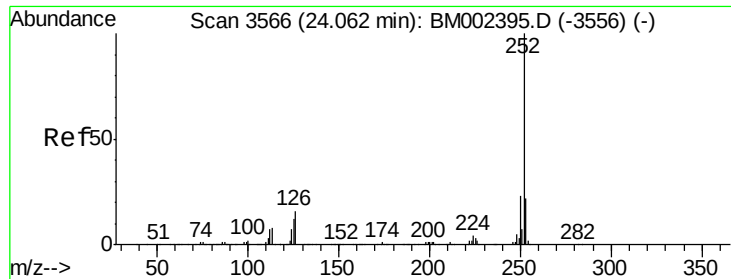


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 79.96 ng/ul

RT: 24.07 min Scan# 3568

Delta R.T. 0.01 min

Lab File: BM002397.D

Acq: 14 Aug 2015 22:16

Instrument :

BNA_M

ClientSampleId :

SSTD08036

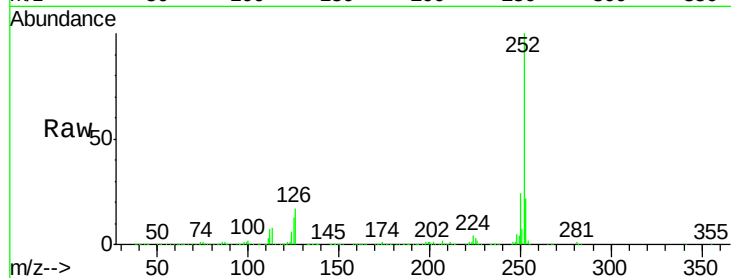
Tot Ion:252 Resp: 2788115

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

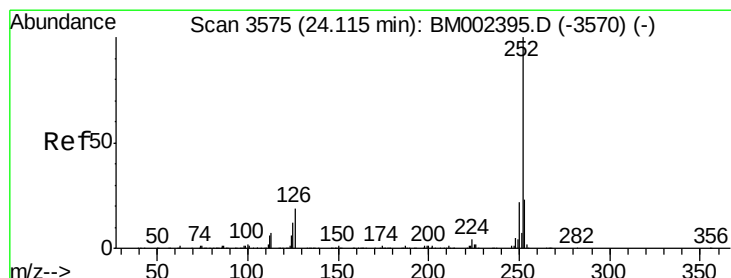
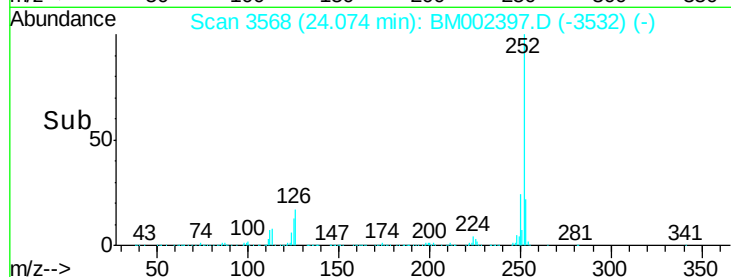
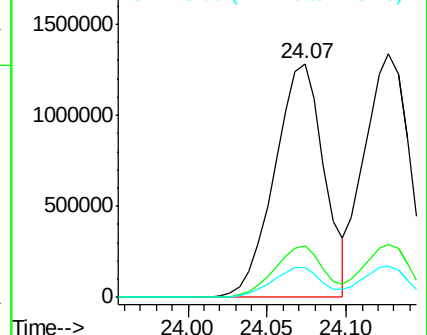
125 12.7 10.0 15.0



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



#24

Benzo(k)fluoranthene

Concen: 79.26 ng/ul

RT: 24.13 min Scan# 3577

Delta R.T. 0.01 min

Lab File: BM002397.D

Acq: 14 Aug 2015 22:16

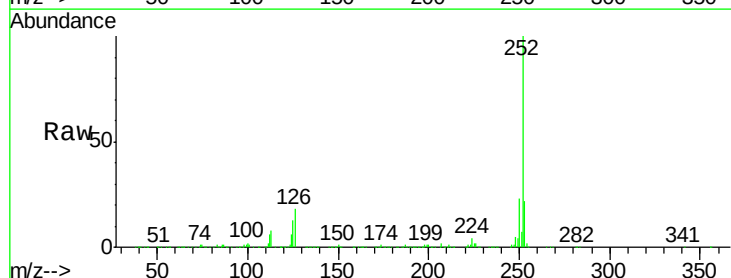
Tgt Ion:252 Resp: 2618972

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

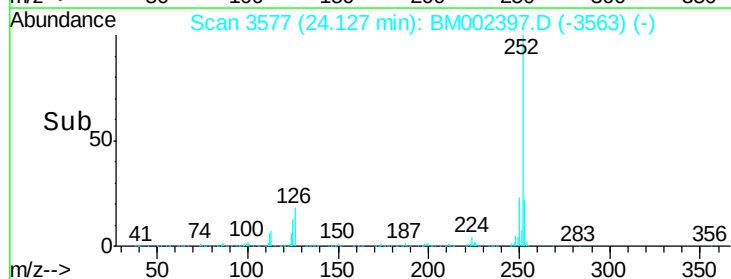
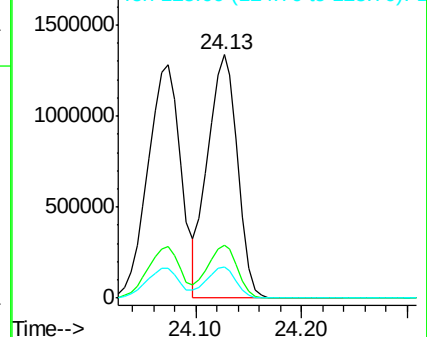
125 13.0 9.8 14.8

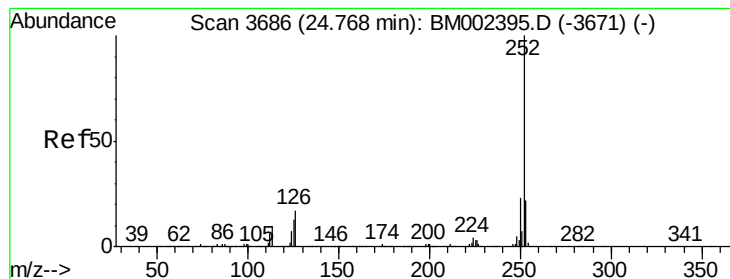


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 79.52 ng/ul

RT: 24.79 min Scan# 3689

Delta R.T. 0.02 min

Lab File: BM002397.D

Acq: 14 Aug 2015 22:16

Instrument :

BNA_M

ClientSampleId :

SSTD08036

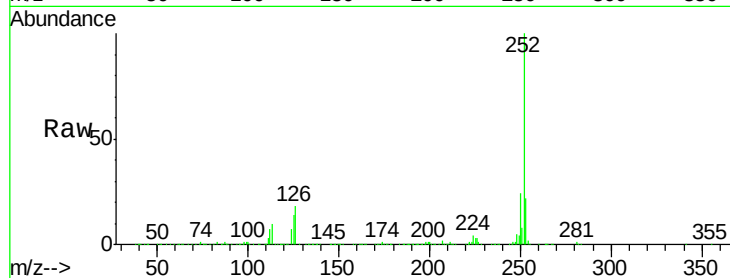
Tot Ion:252 Resp: 2648129

Ion Ratio Lower Upper

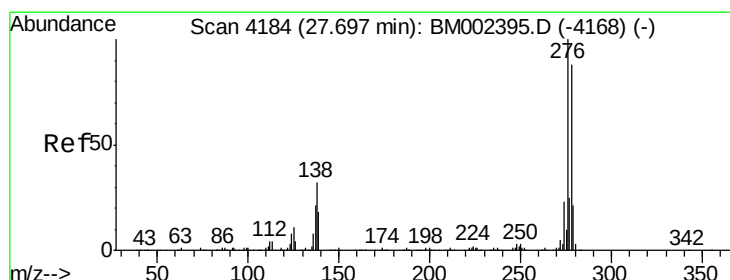
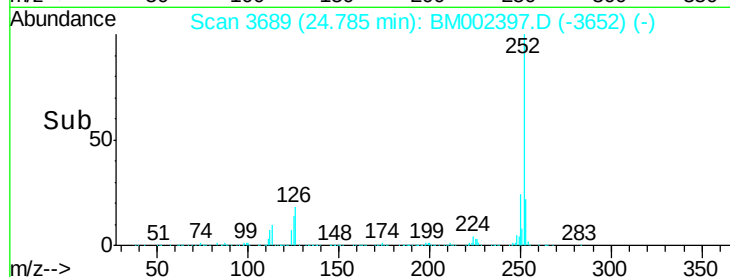
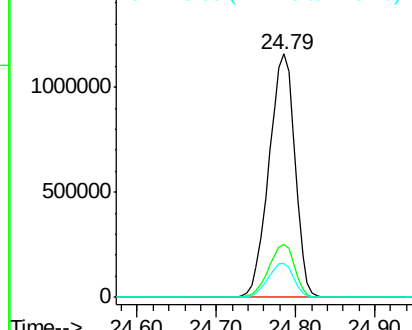
252 100

253 21.7 17.6 26.4

125 13.8 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: 76.90 ng/ul

RT: 27.73 min Scan# 4189

Delta R.T. 0.03 min

Lab File: BM002397.D

Acq: 14 Aug 2015 22:16

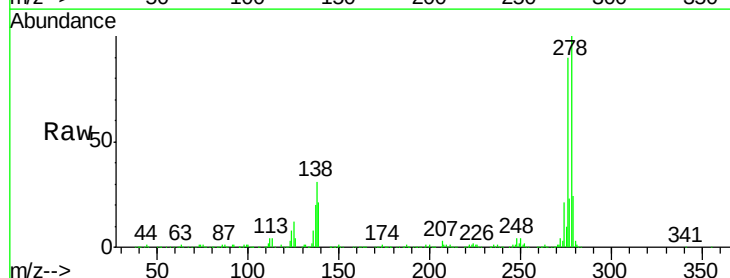
Tgt Ion:276 Resp: 2945389

Ion Ratio Lower Upper

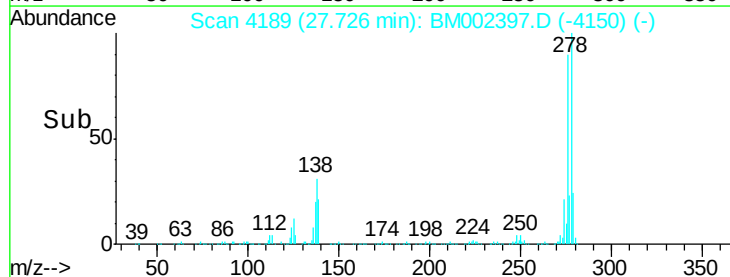
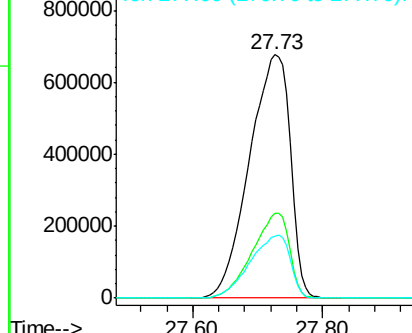
276 100

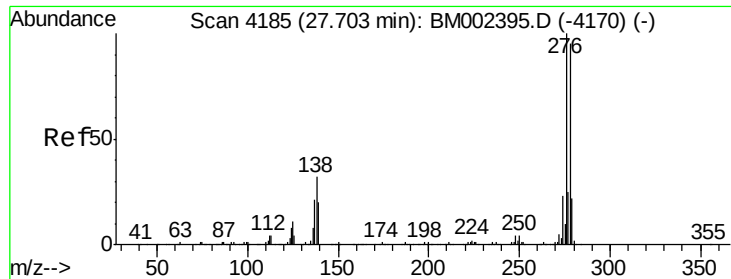
138 34.7 25.3 37.9

277 25.3 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



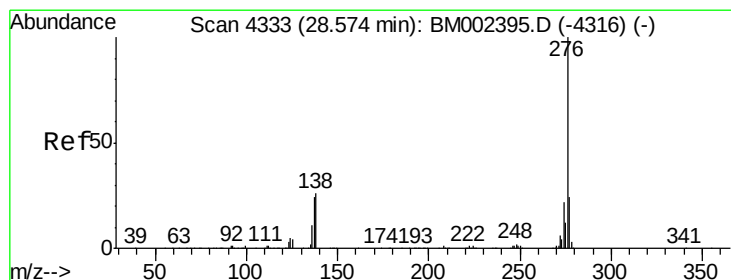
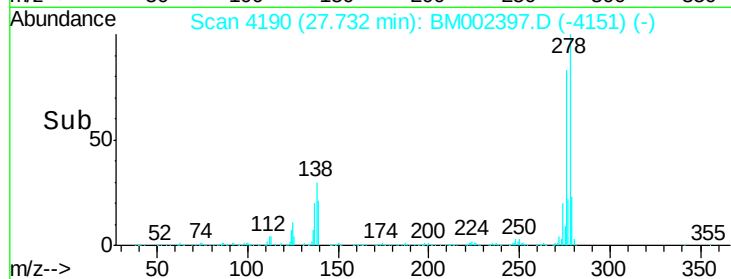
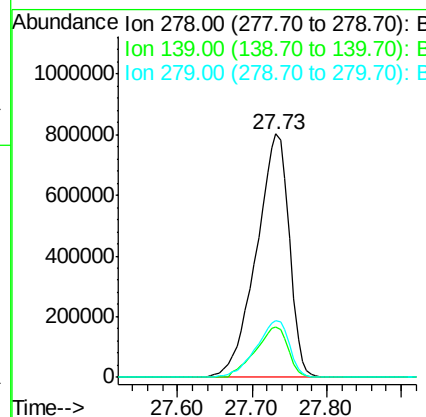
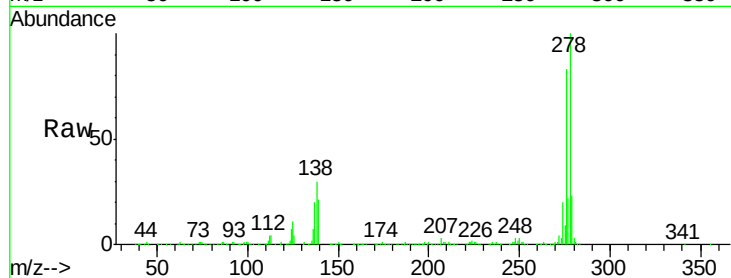


#28
Dibenzo(a,h)anthracene
Concen: 76.71 ng/ul
RT: 27.73 min Scan# 4190
Delta R.T. 0.03 min
Lab File: BM002397.D
Acq: 14 Aug 2015 22:16

Instrument :
BNA_M
ClientSampleId :
SSTD08036

Tot Ion:278 Resp: 2455639

Ion	Ratio	Lower	Upper
278	100		
139	20.7	16.5	24.7
279	23.4	18.8	28.2



#29
Benzo(g,h,i)perylene
Concen: 77.17 ng/ul
RT: 28.60 min Scan# 4338
Delta R.T. 0.03 min
Lab File: BM002397.D
Acq: 14 Aug 2015 22:16

Tgt Ion:276 Resp: 2460243

Ion	Ratio	Lower	Upper
276	100		
138	26.8	21.0	31.6
277	23.5	19.2	28.8

