

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002394.D
 Acq On : 14 Aug 2015 20:26
 Operator : UM/IZ
 Sample : SST01033
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 17 01:37:25 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	80498	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	398656	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.44	164	240345	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.15	188	530296	20.00	ng/ul	0.00
17) Chrysene-d12	22.23	240	824969	20.00	ng/ul	0.00
22) Perylene-d12	24.89	264	572594	20.00	ng/ul	0.00

System Monitoring Compounds						
7) Acenaphthylene-d8	15.15	160	247507	10.07	ng/ul	0.00
10) Fluorene-d10	16.42	176	176397	10.22	ng/ul	0.00
14) Anthracene-d10	18.24	188	260218	10.17	ng/ul	0.00
18) Pyrene-d10	20.46	212	392698	10.74	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.71	264	304831	10.14	ng/ul	0.00

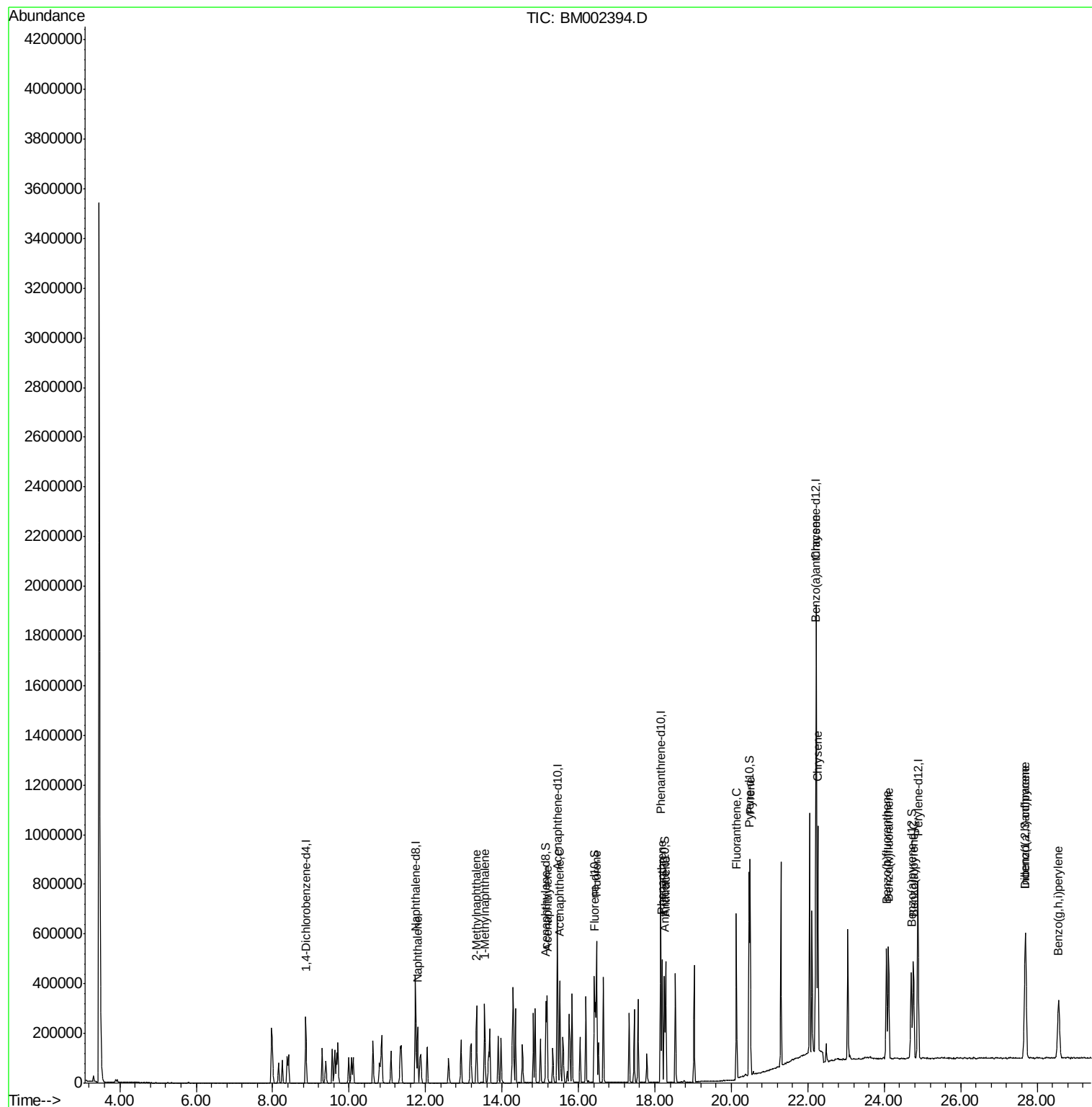
Target Compounds				Ovalue		
3) Naphthalene	11.79	128	206852	10.17	ng/ul	99
4) 2-Methylnaphthalene	13.33	142	156929	10.29	ng/ul	99
5) 1-Methylnaphthalene	13.54	142	154961	10.28	ng/ul	100
8) Acenaphthylene	15.18	152	260894	10.14	ng/ul	99
9) Acenaphthene	15.51	153	171182	10.10	ng/ul	100
11) Fluorene	16.47	166	197883	10.19	ng/ul	99
13) Phenanthrene	18.19	178	312661	10.21	ng/ul	100
15) Anthracene	18.28	178	316333	10.19	ng/ul	99
16) Fluoranthene	20.13	202	389276	11.23	ng/ul	97
19) Pyrene	20.49	202	517356	10.70	ng/ul	99
20) Benzo(a)anthracene	22.21	228	503869	10.21	ng/ul	99
21) Chrysene	22.26	228	465166	10.08	ng/ul	99
23) Benzo(b)fluoranthene	24.06	252	352074	10.17	ng/ul	99
24) Benzo(k)fluoranthene	24.11	252	331769	10.11	ng/ul	100
26) Benzo(a)pyrene	24.76	252	334662	10.12	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	27.69	276	390483	10.27	ng/ul	98
28) Dibenzo(a,h)anthracene	27.69	278	327295	10.30	ng/ul	98
29) Benzo(g,h,i)perylene	28.56	276	324533	10.25	ng/ul	99

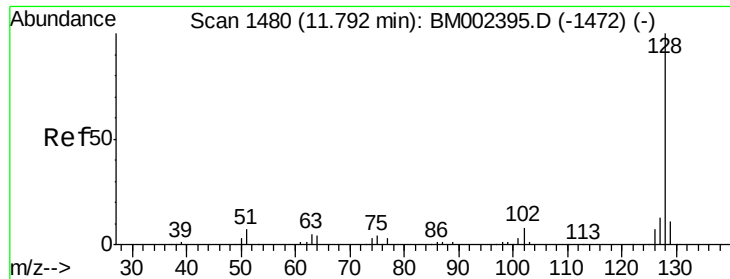
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 10.17 ng/ul

RT: 11.79 min Scan# 1480

Delta R.T. -0.00 min

Lab File: BM002394.D

Acq: 14 Aug 2015 20:26

Instrument :

BNA_M

ClientSampleId :

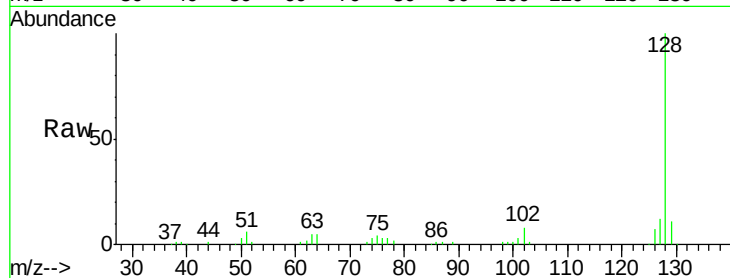
Tot Ion:128 Resp: 206852

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

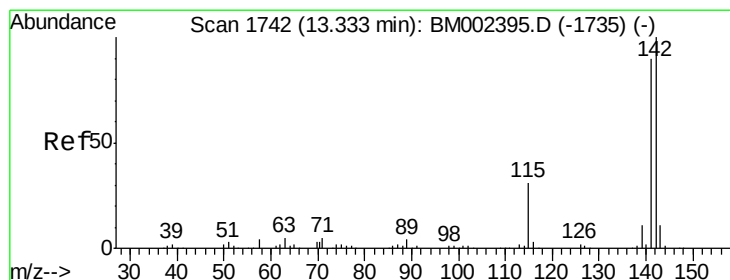
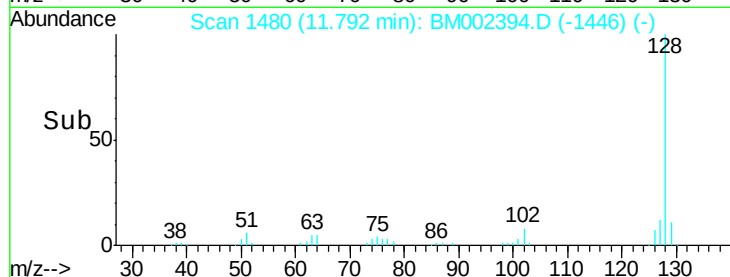
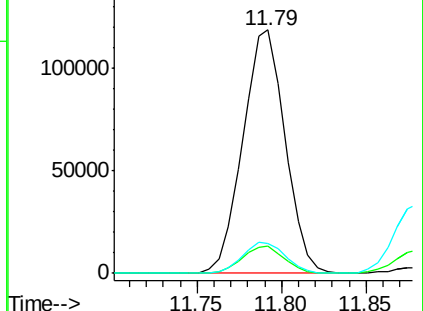
127 12.3 10.4 15.6



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: 10.29 ng/ul

RT: 13.33 min Scan# 1742

Delta R.T. -0.00 min

Lab File: BM002394.D

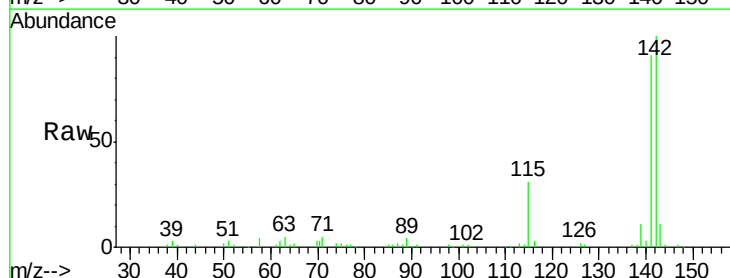
Acq: 14 Aug 2015 20:26

Tgt Ion:142 Resp: 156929

Ion Ratio Lower Upper

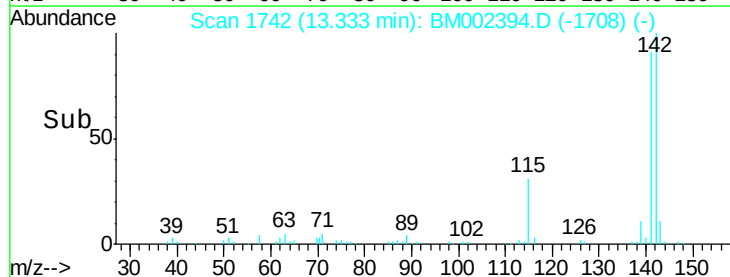
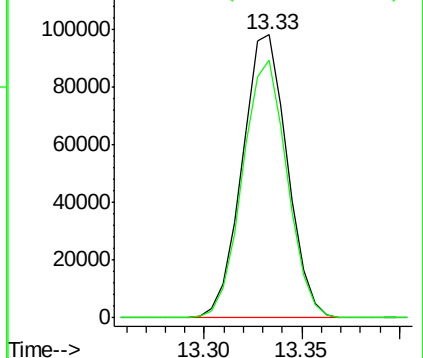
142 100

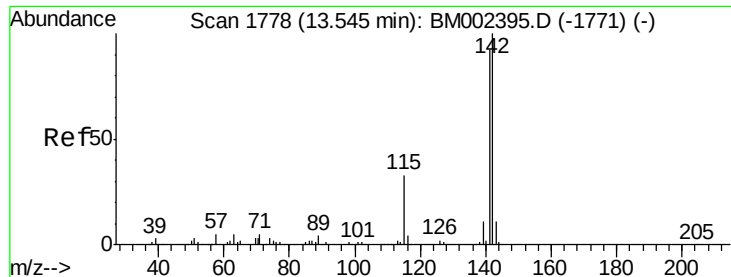
141 90.9 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 10.28 ng/ul

RT: 13.54 min Scan# 1778

Delta R.T. -0.00 min

Lab File: BM002394.D

Acq: 14 Aug 2015 20:26

Instrument :

BNA_M

ClientSampleId :

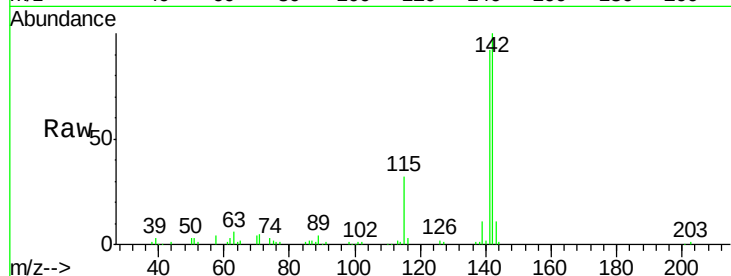
Tot Ion:142 Resp: 154961

Ion Ratio Lower Upper

142 100

141 92.2 73.9 110.9

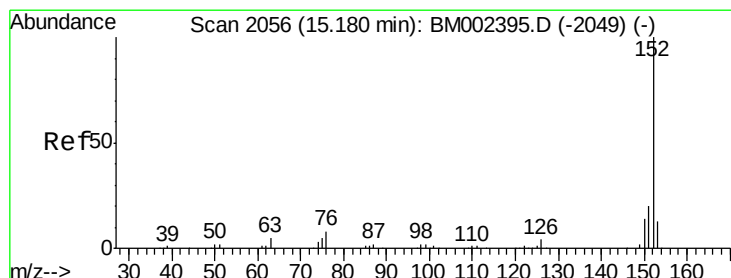
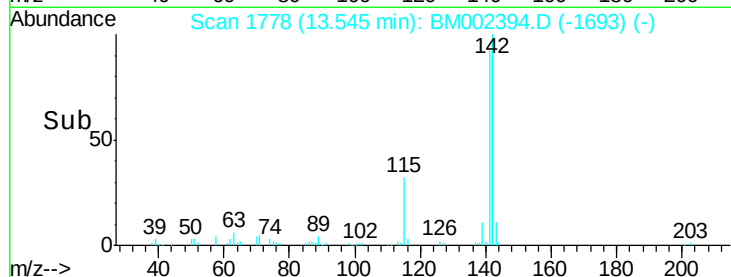
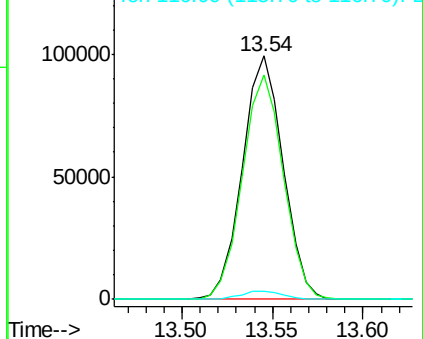
116 3.2 3.0 4.4



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: 10.14 ng/ul

RT: 15.18 min Scan# 2056

Delta R.T. -0.00 min

Lab File: BM002394.D

Acq: 14 Aug 2015 20:26

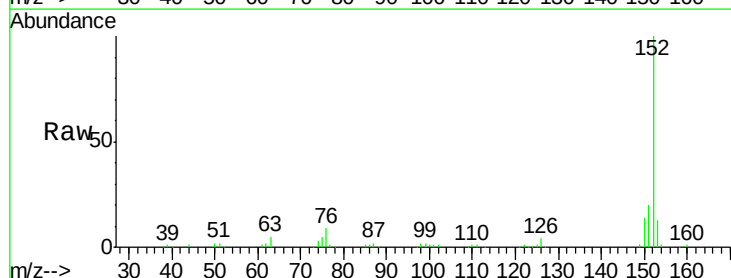
Tgt Ion:152 Resp: 260894

Ion Ratio Lower Upper

152 100

151 20.0 15.7 23.5

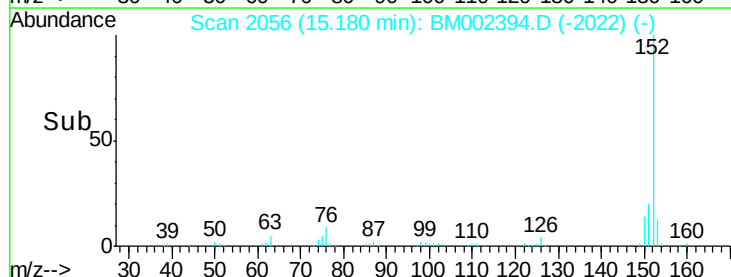
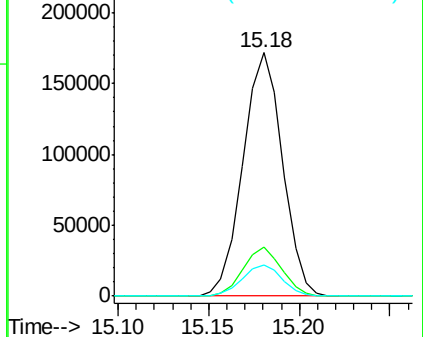
153 13.0 10.2 15.4

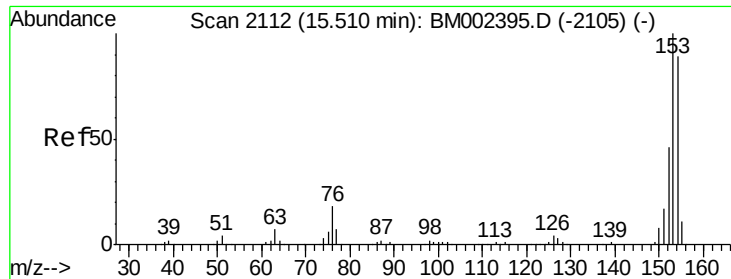


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 10.10 ng/ul

RT: 15.51 min Scan# 2112

Delta R.T. -0.00 min

Lab File: BM002394.D

Acq: 14 Aug 2015 20:26

Instrument :

BNA_M

ClientSampleId :

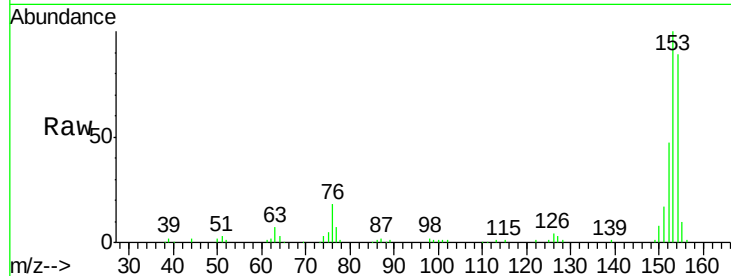
Tot Ion:153 Resp: 171182

Ion Ratio Lower Upper

153 100

152 46.7 36.9 55.3

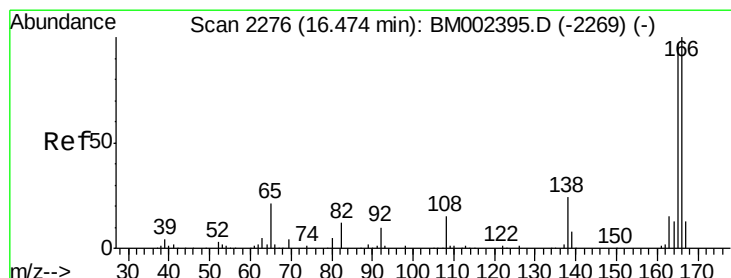
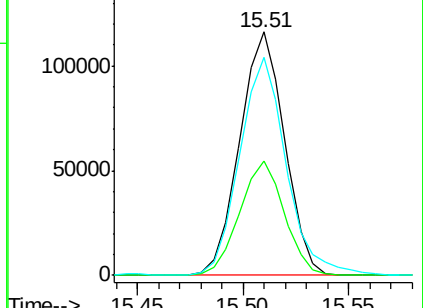
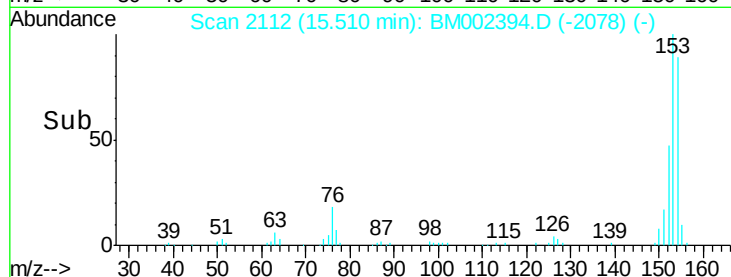
154 89.3 71.3 106.9



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: 10.19 ng/ul

RT: 16.47 min Scan# 2276

Delta R.T. -0.00 min

Lab File: BM002394.D

Acq: 14 Aug 2015 20:26

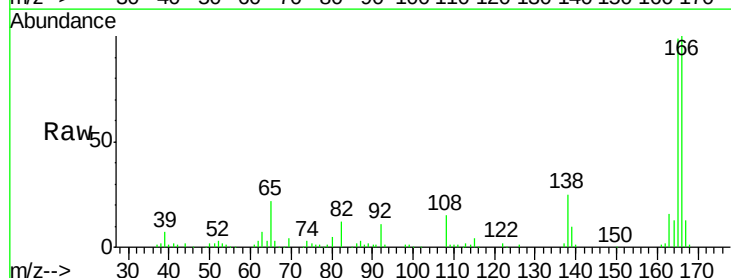
Tgt Ion:166 Resp: 197883

Ion Ratio Lower Upper

166 100

165 98.5 77.6 116.4

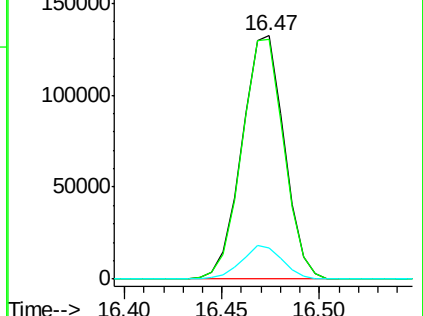
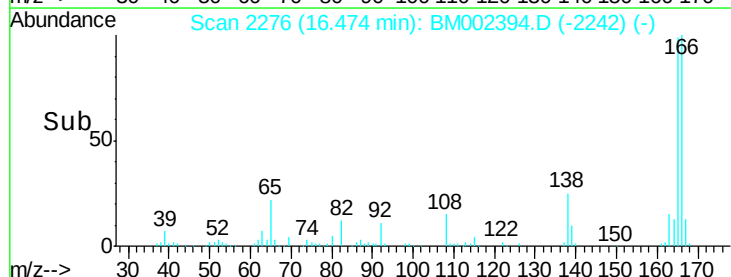
167 13.0 10.7 16.1

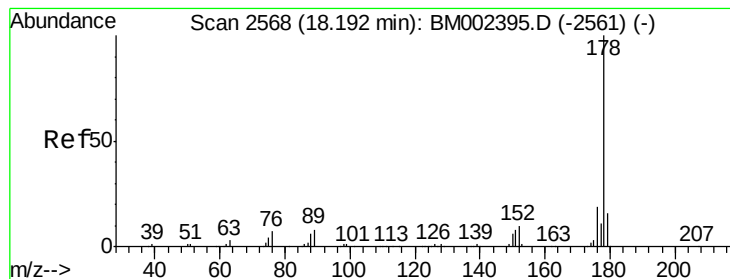


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 10.21 ng/ul

RT: 18.19 min Scan# 2568

Delta R.T. -0.00 min

Lab File: BM002394.D

Acq: 14 Aug 2015 20:26

Instrument :

BNA_M

ClientSampled :

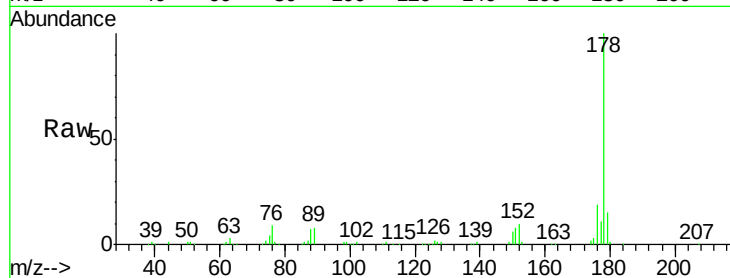
Tot Ion:178 Resp: 312661

Ion Ratio Lower Upper

178 100

179 15.4 12.4 18.6

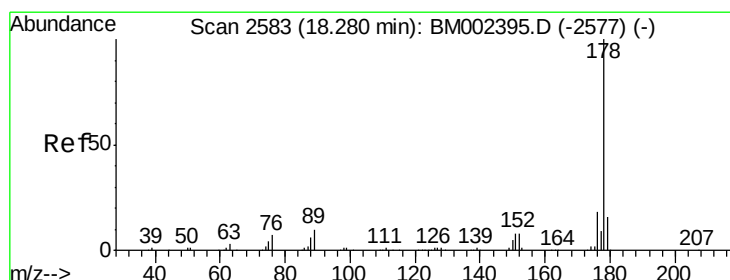
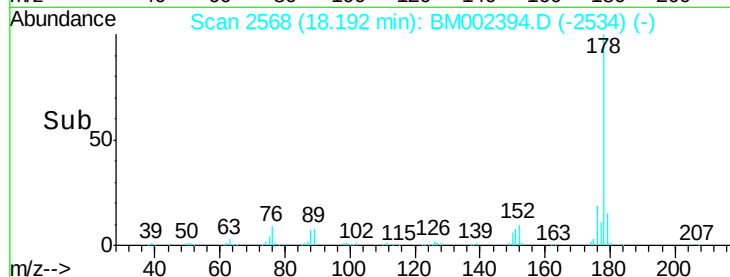
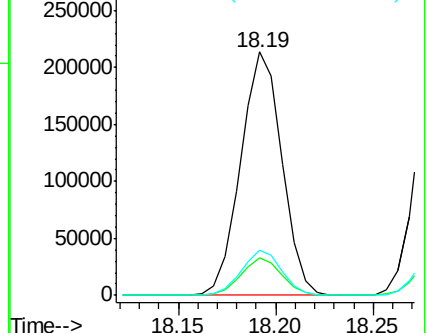
176 18.7 15.1 22.7



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: 10.19 ng/ul

RT: 18.28 min Scan# 2583

Delta R.T. -0.00 min

Lab File: BM002394.D

Acq: 14 Aug 2015 20:26

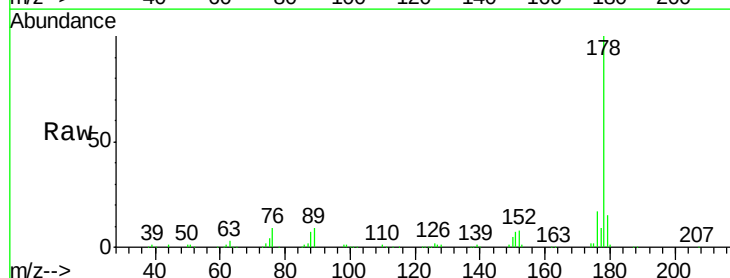
Tgt Ion:178 Resp: 316333

Ion Ratio Lower Upper

178 100

179 15.3 12.6 18.8

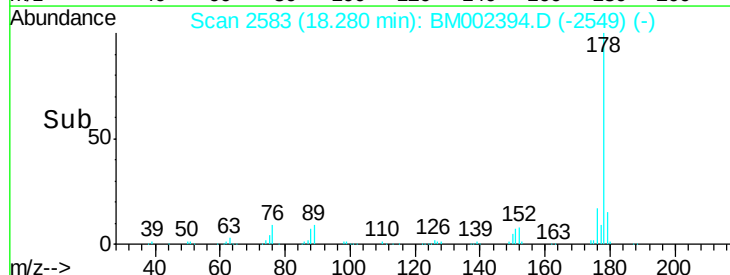
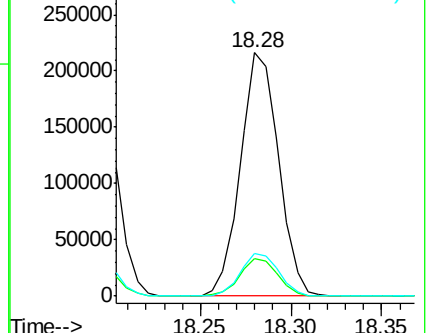
176 17.4 14.5 21.7

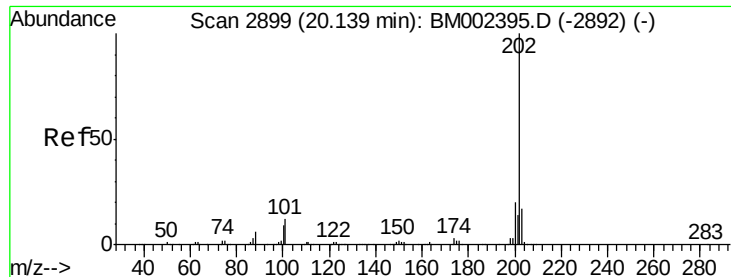


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

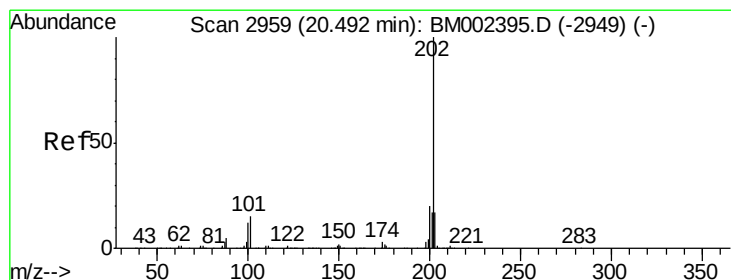
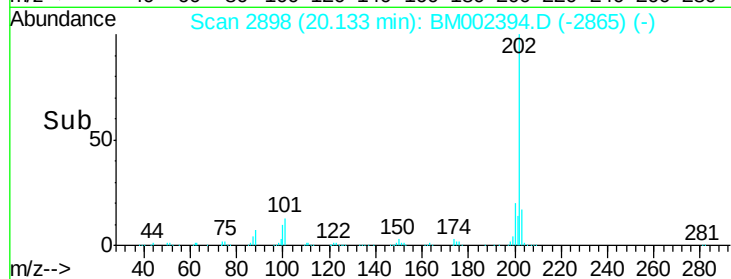
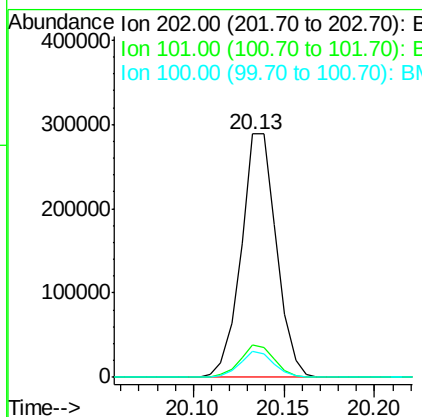
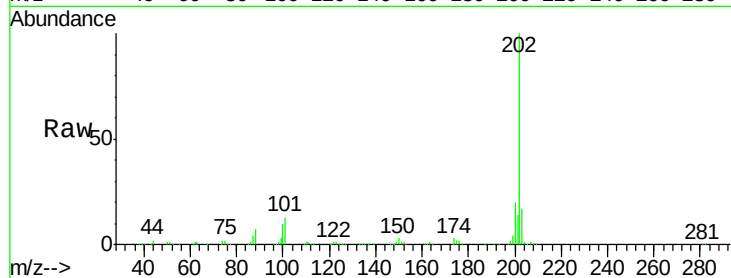




#16
 Fluoranthene
 Concen: 11.23 ng/ul
 RT: 20.13 min Scan# 2898
 Delta R.T. -0.01 min
 Lab File: BM002394.D
 Acq: 14 Aug 2015 20:26

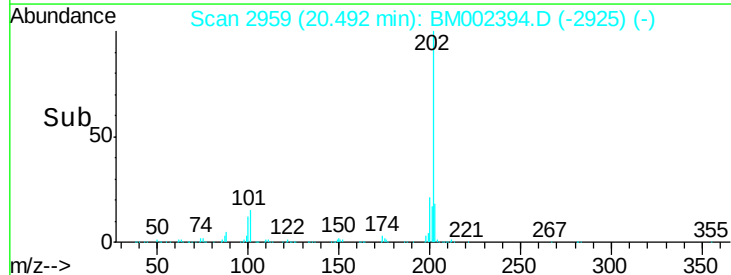
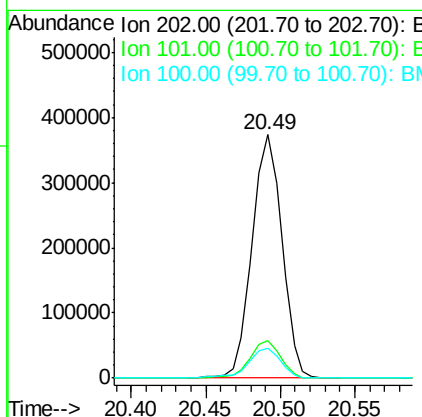
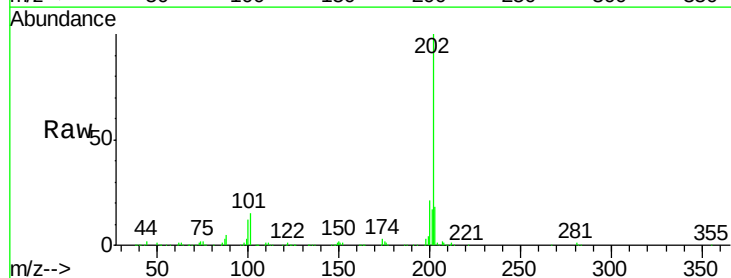
Instrument :
 BNA_M
 ClientSampleId :

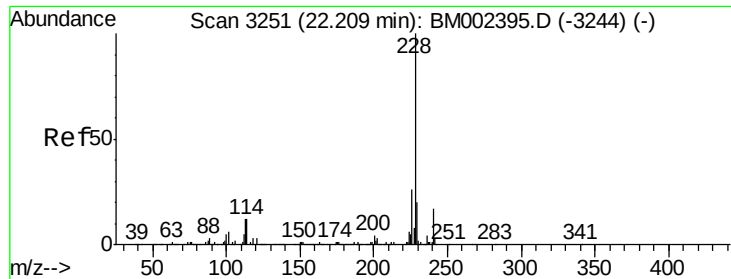
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.4	9.7	14.5
100	10.5	7.4	11.2



#19
 Pyrene
 Concen: 10.70 ng/ul
 RT: 20.49 min Scan# 2959
 Delta R.T. -0.00 min
 Lab File: BM002394.D
 Acq: 14 Aug 2015 20:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.2	12.0	18.0
100	12.3	9.7	14.5

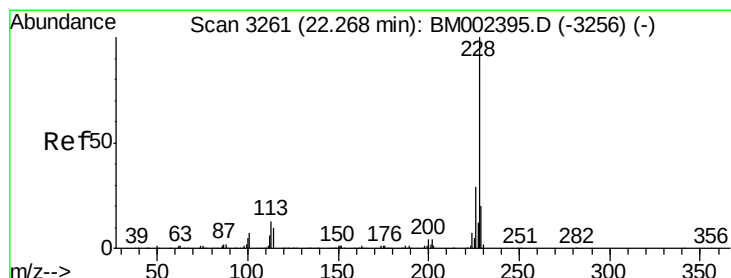
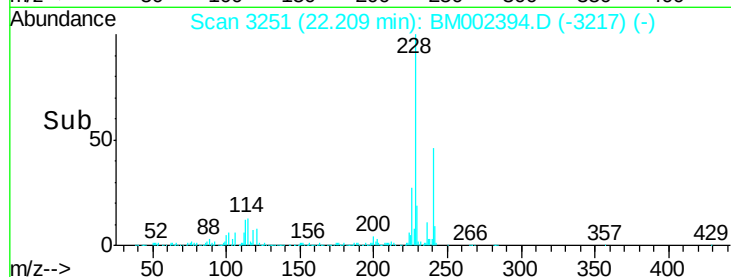
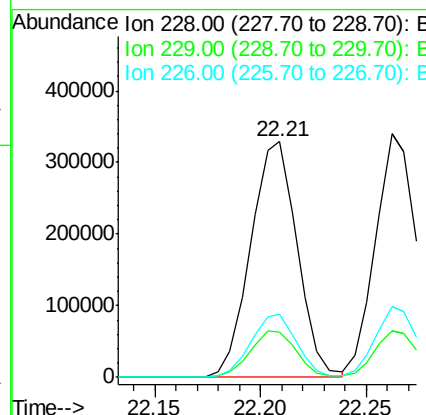
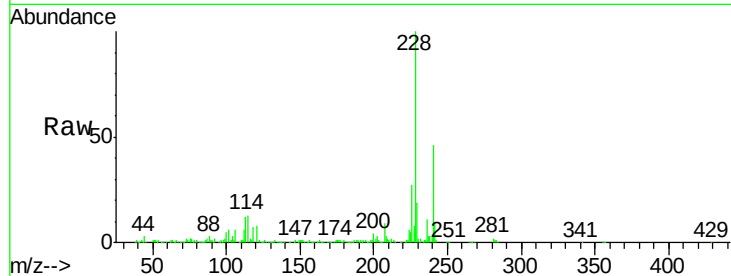




#20
Benzo(a)anthracene
Concen: 10.21 ng/ul
RT: 22.21 min Scan# 3251
Delta R.T. -0.00 min
Lab File: BM002394.D
Acq: 14 Aug 2015 20:26

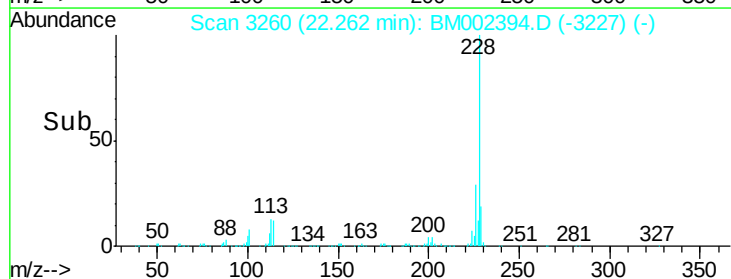
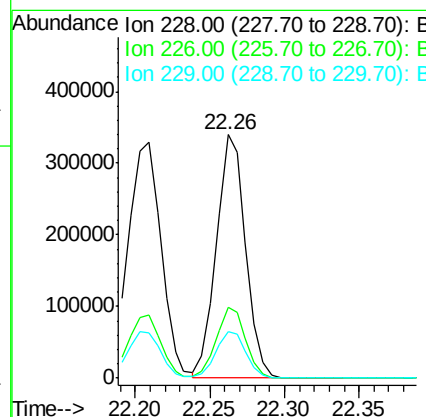
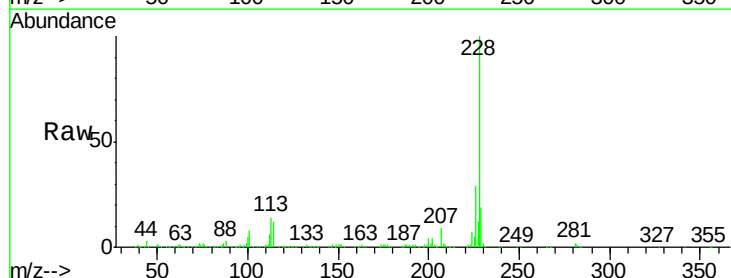
Instrument :
BNA_M
ClientSampleId :

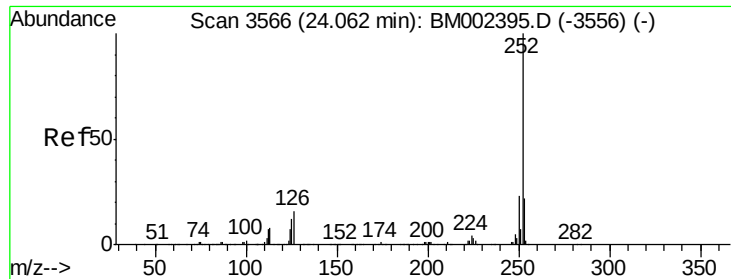
Tot Ion	Ratio	Lower	Upper
228	100		
229	19.4	15.8	23.6
226	26.6	21.1	31.7



#21
Chrysene
Concen: 10.08 ng/ul
RT: 22.26 min Scan# 3260
Delta R.T. -0.01 min
Lab File: BM002394.D
Acq: 14 Aug 2015 20:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.4	35.2
229	19.1	15.7	23.5





#23

Benzo(b)fluoranthene

Concen: 10.17 ng/ul

RT: 24.06 min Scan# 3565

Delta R.T. -0.01 min

Lab File: BM002394.D

Acq: 14 Aug 2015 20:26

Instrument :

BNA_M

ClientSampleId :

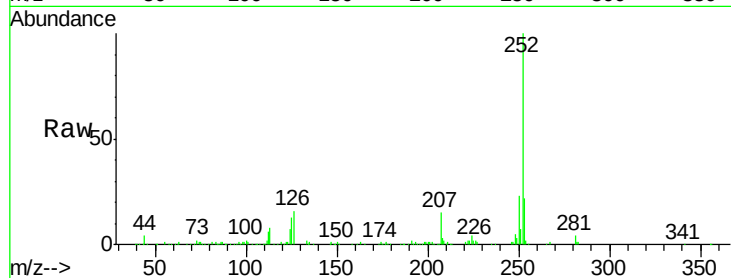
Tot Ion:252 Resp: 352074

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

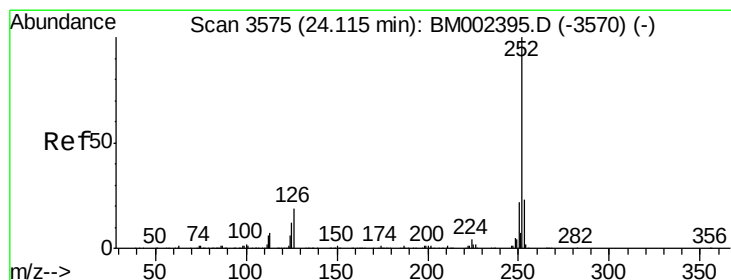
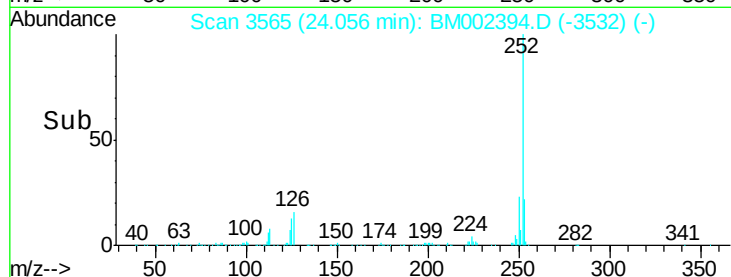
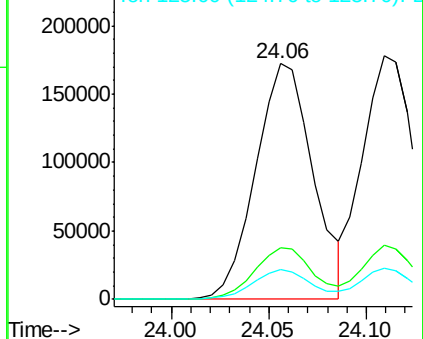
125 12.6 10.0 15.0



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: 10.11 ng/ul

RT: 24.11 min Scan# 3574

Delta R.T. -0.01 min

Lab File: BM002394.D

Acq: 14 Aug 2015 20:26

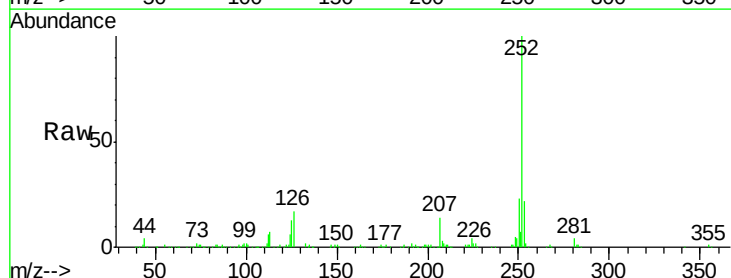
Tgt Ion:252 Resp: 331769

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

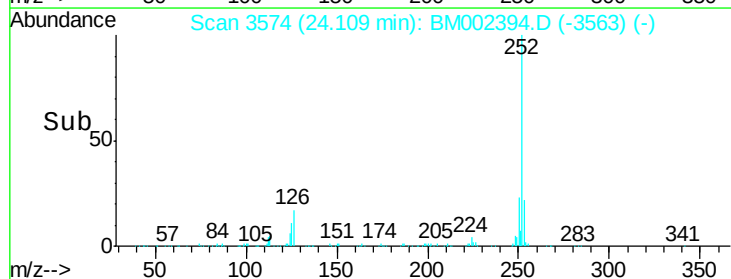
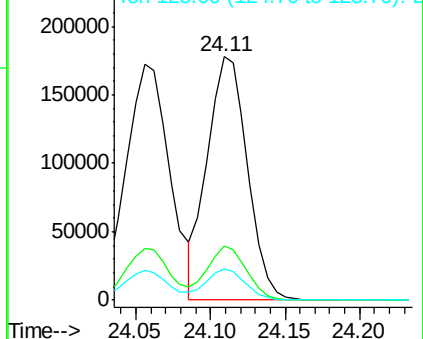
125 12.6 9.8 14.8

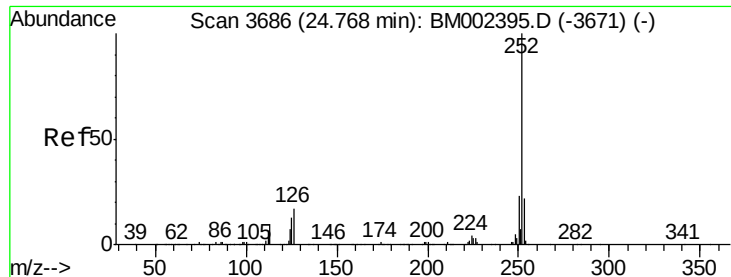


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

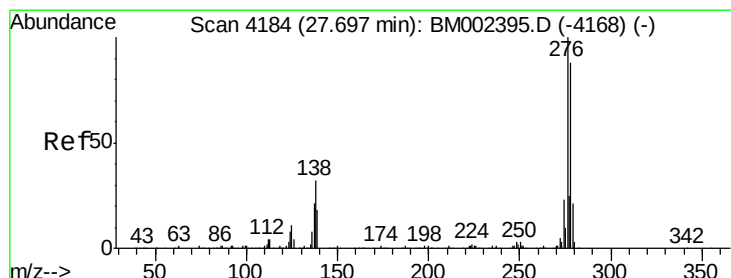
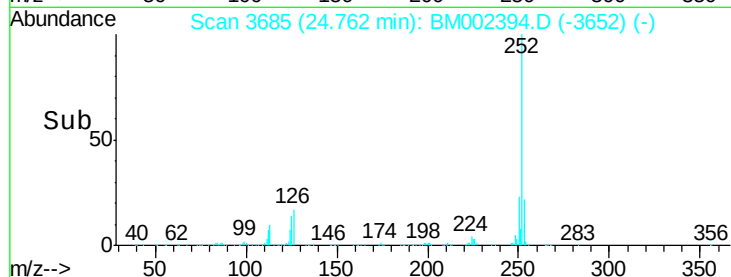
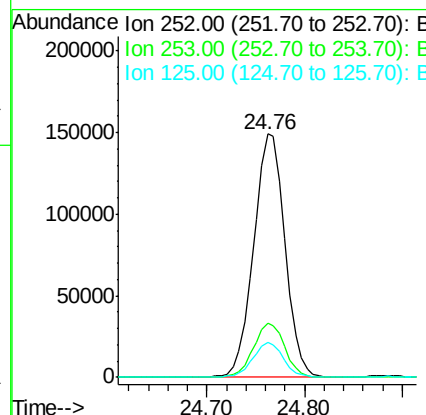
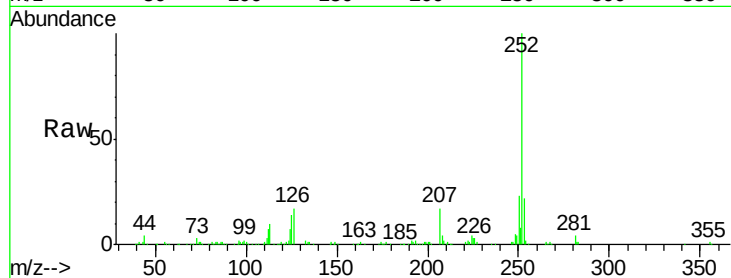




#26
Benzo(a)pyrene
Concen: 10.12 ng/ul
RT: 24.76 min Scan# 3685
Delta R.T. -0.01 min
Lab File: BM002394.D
Acq: 14 Aug 2015 20:26

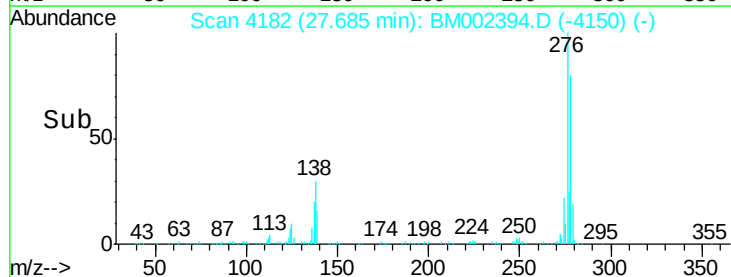
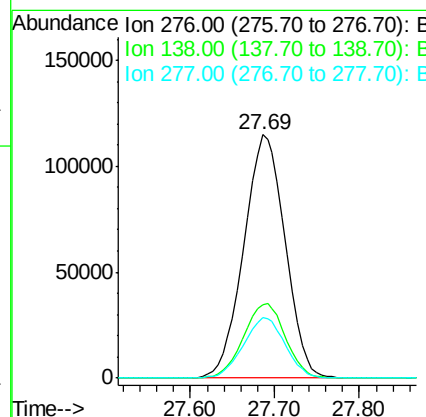
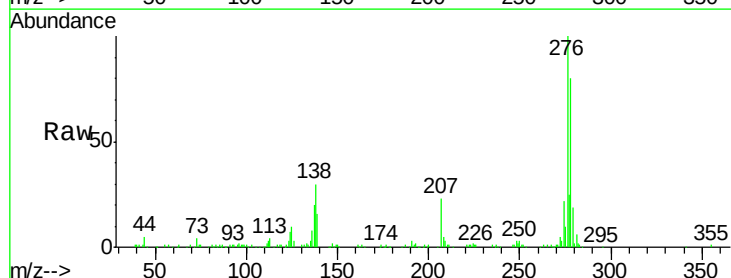
Instrument :
BNA_M
ClientSampleId :

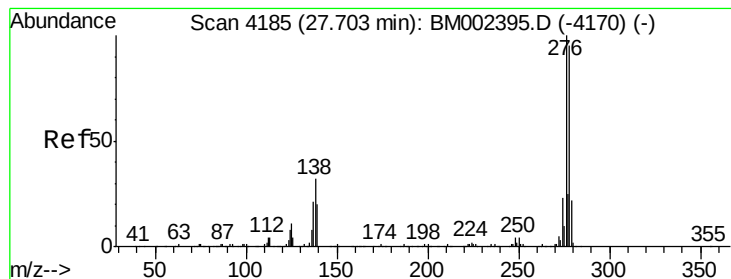
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	14.3	10.7	16.1



#27
Indeno(1,2,3-cd)pyrene
Concen: 10.27 ng/ul
RT: 27.69 min Scan# 4182
Delta R.T. -0.01 min
Lab File: BM002394.D
Acq: 14 Aug 2015 20:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.0	25.3	37.9
277	24.9	20.2	30.2





#28

Dibenzo(a,h)anthracene

Concen: 10.30 ng/ul

RT: 27.69 min Scan# 4183

Delta R.T. -0.01 min

Lab File: BM002394.D

Acq: 14 Aug 2015 20:26

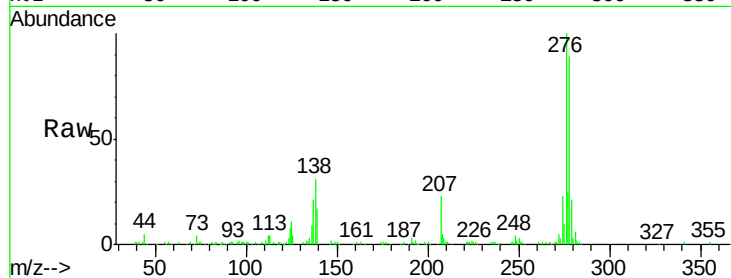
Instrument :

BNA_M

ClientSampled :

Tot Ion:278 Resp: 327295

Ion	Ratio	Lower	Upper
278	100		
139	19.4	16.5	24.7
279	24.0	18.8	28.2

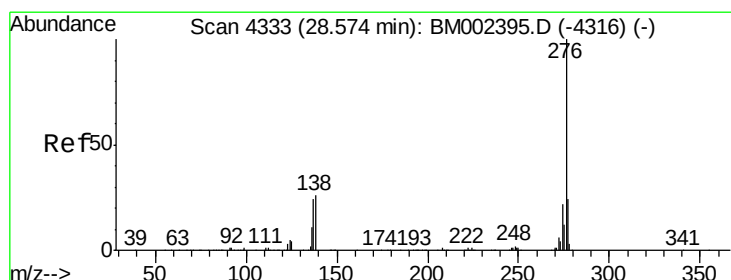
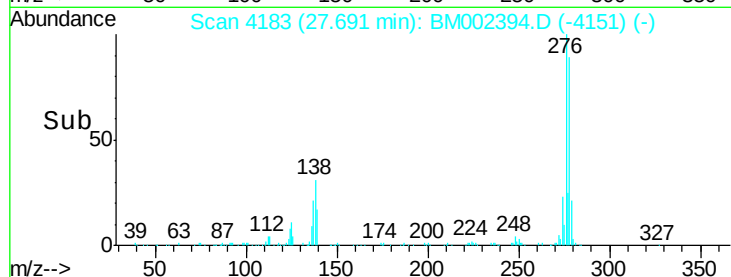
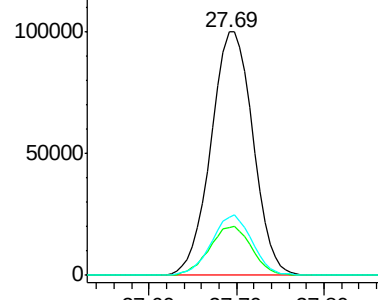


Abundance

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: 10.25 ng/ul

RT: 28.56 min Scan# 4331

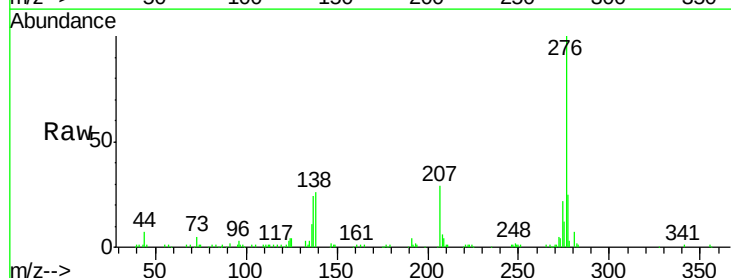
Delta R.T. -0.01 min

Lab File: BM002394.D

Acq: 14 Aug 2015 20:26

Tgt Ion:276 Resp: 324533

Ion	Ratio	Lower	Upper
276	100		
138	25.7	21.0	31.6
277	24.7	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

