

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002393.D
 Acq On : 14 Aug 2015 19:49
 Operator : UM/IZ
 Sample : SST00532
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 17 01:37:15 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	75625	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	365785	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.44	164	221981	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.15	188	496038	20.00	ng/ul	0.00
17) Chrysene-d12	22.23	240	541809	20.00	ng/ul	0.00
22) Perylene-d12	24.88	264	547336	20.00	ng/ul	0.00

System Monitoring Compounds

7) Acenaphthylene-d8	15.15	160	114848	5.06	ng/ul	0.00
10) Fluorene-d10	16.42	176	84251	5.29	ng/ul	0.00
14) Anthracene-d10	18.24	188	123445	5.16	ng/ul	0.00
18) Pyrene-d10	20.46	212	131111	5.46	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.71	264	147161	5.12	ng/ul	0.00

Target Compounds

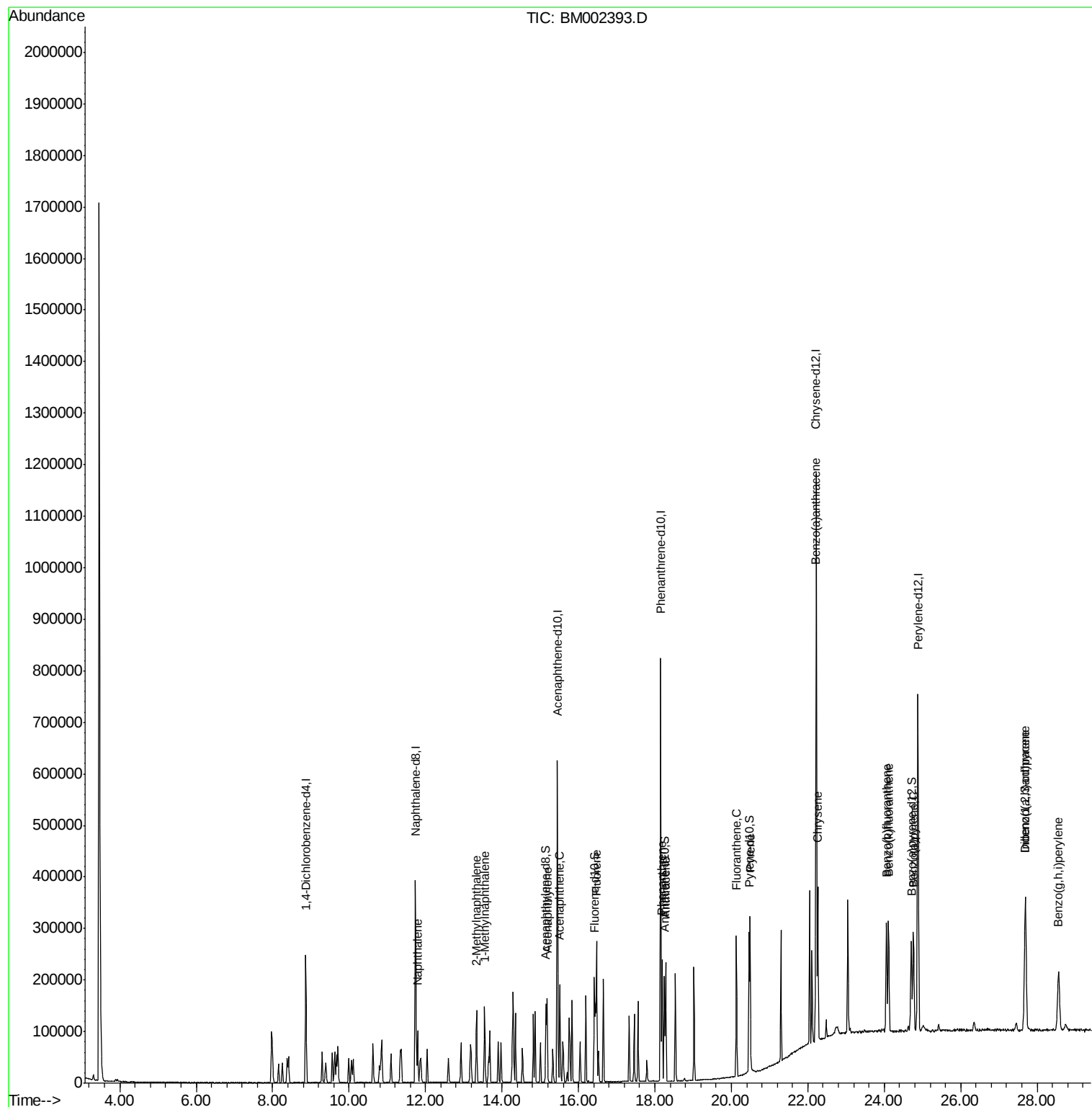
						Ovalue
3) Naphthalene	11.79	128	96283	5.16	ng/ul	100
4) 2-Methylnaphthalene	13.33	142	72925	5.21	ng/ul	98
5) 1-Methylnaphthalene	13.55	142	72533	5.24	ng/ul	99
8) Acenaphthylene	15.18	152	120925	5.09	ng/ul	99
9) Acenaphthene	15.51	153	81181	5.19	ng/ul	98
11) Fluorene	16.47	166	94297	5.26	ng/ul	99
13) Phenanthrene	18.19	178	148666	5.19	ng/ul	99
15) Anthracene	18.28	178	150847	5.20	ng/ul	99
16) Fluoranthene	20.13	202	165028	5.09	ng/ul	98
19) Pyrene	20.49	202	173687	5.47	ng/ul	98
20) Benzo(a)anthracene	22.21	228	167811	5.18	ng/ul	99
21) Chrysene	22.26	228	156138	5.15	ng/ul	100
23) Benzo(b)fluoranthene	24.06	252	170749	5.16	ng/ul	100
24) Benzo(k)fluoranthene	24.11	252	161088	5.14	ng/ul	99
26) Benzo(a)pyrene	24.76	252	161836	5.12	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	27.69	276	191407	5.27	ng/ul	100
28) Dibenzo(a,h)anthracene	27.69	278	159067	5.24	ng/ul	99
29) Benzo(g,h,i)perylene	28.56	276	158258	5.23	ng/ul	99

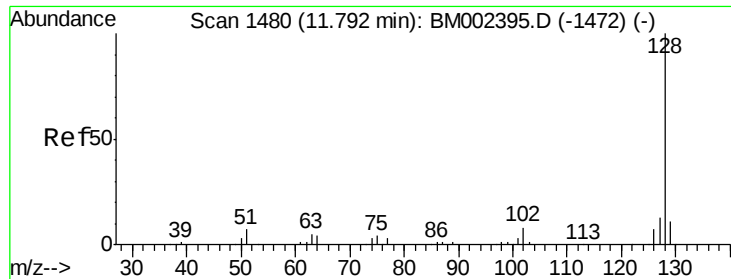
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 5.16 ng/ul

RT: 11.79 min Scan# 1480

Delta R.T. -0.00 min

Lab File: BM002393.D

Acq: 14 Aug 2015 19:49

Instrument :

BNA_M

ClientSampleId :

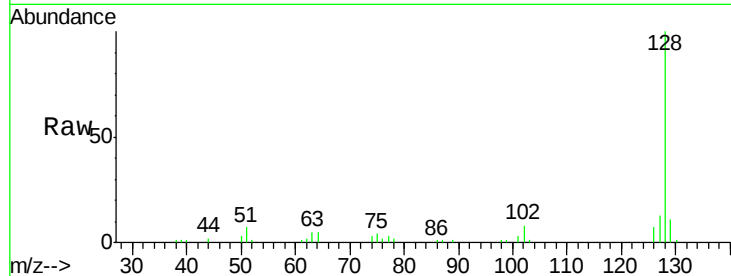
Tot Ion:128 Resp: 96283

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

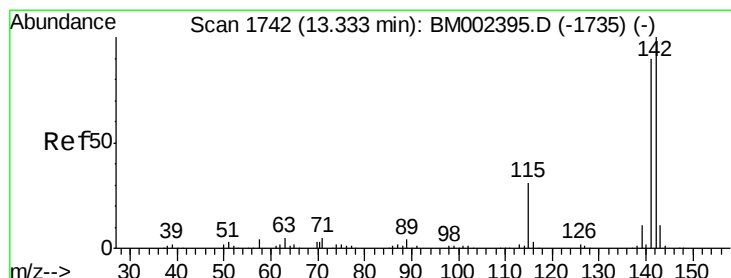
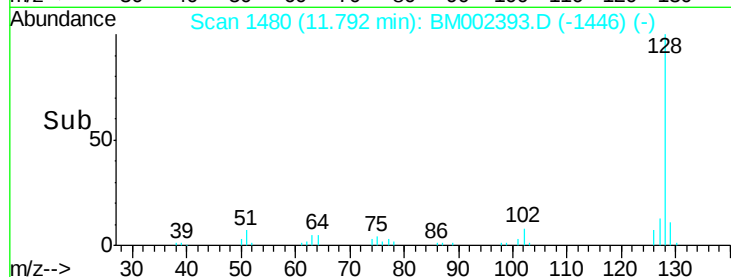
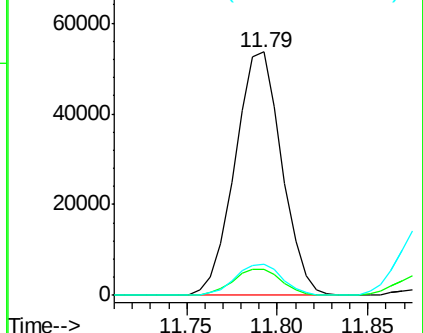
127 13.0 10.4 15.6



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: 5.21 ng/ul

RT: 13.33 min Scan# 1742

Delta R.T. -0.00 min

Lab File: BM002393.D

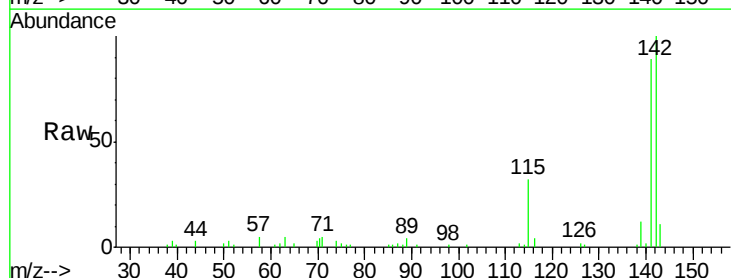
Acq: 14 Aug 2015 19:49

Tgt Ion:142 Resp: 72925

Ion Ratio Lower Upper

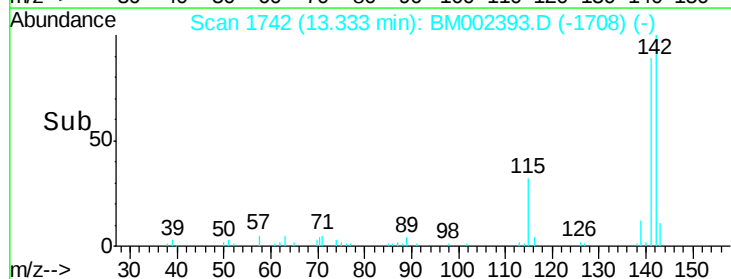
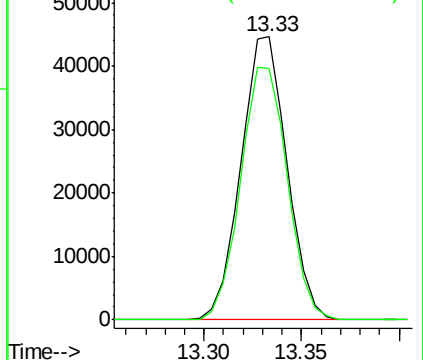
142 100

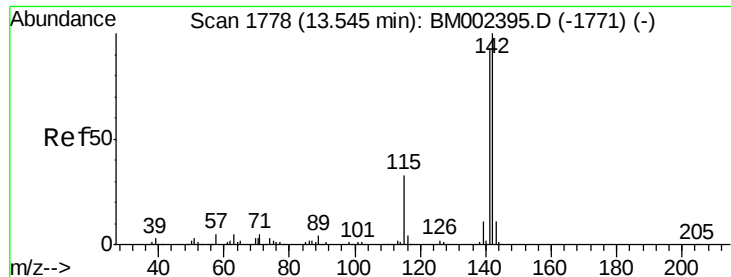
141 88.6 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 5.24 ng/ul

RT: 13.55 min Scan# 1778

Delta R.T. -0.00 min

Lab File: BM002393.D

Acq: 14 Aug 2015 19:49

Instrument :

BNA_M

ClientSampleId :

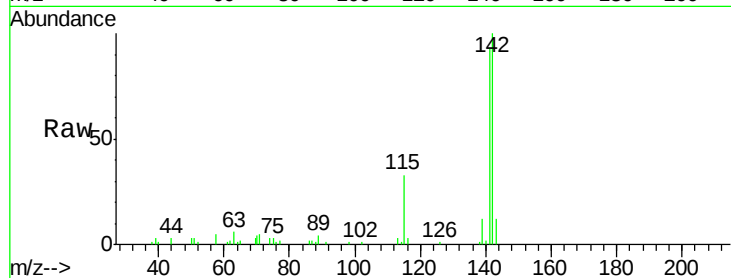
Tot Ion:142 Resp: 72533

Ion Ratio Lower Upper

142 100

141 93.3 73.9 110.9

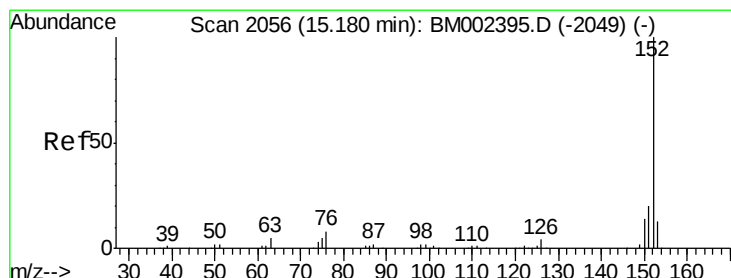
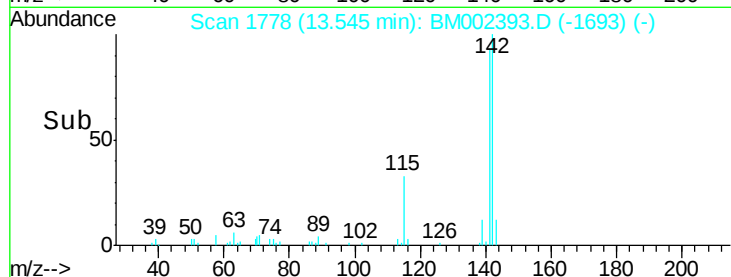
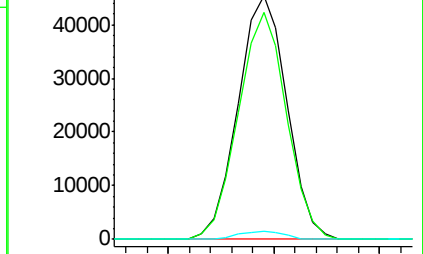
116 3.3 3.0 4.4



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: 5.09 ng/ul

RT: 15.18 min Scan# 2056

Delta R.T. -0.00 min

Lab File: BM002393.D

Acq: 14 Aug 2015 19:49

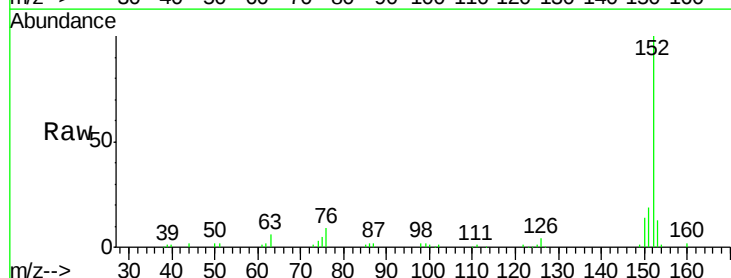
Tgt Ion:152 Resp: 120925

Ion Ratio Lower Upper

152 100

151 19.4 15.7 23.5

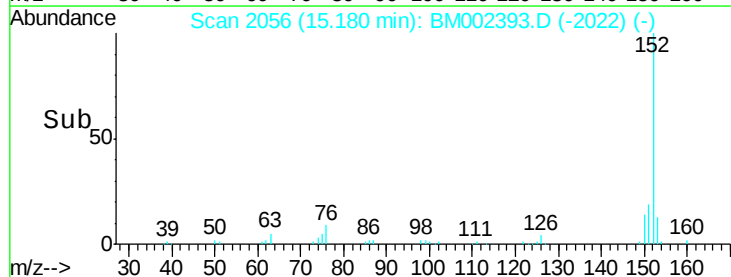
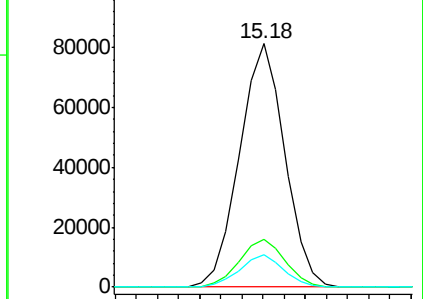
153 13.2 10.2 15.4

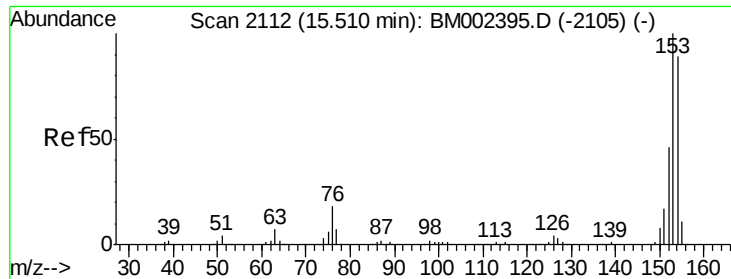


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 5.19 ng/ul

RT: 15.51 min Scan# 2112

Delta R.T. -0.00 min

Lab File: BM002393.D

Acq: 14 Aug 2015 19:49

Instrument :

BNA_M

ClientSampleId :

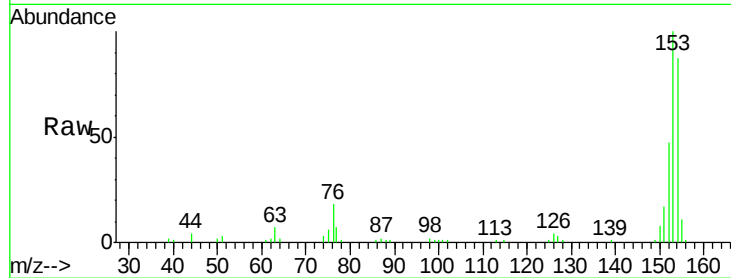
Tot Ion:153 Resp: 81181

Ion Ratio Lower Upper

153 100

152 47.1 36.9 55.3

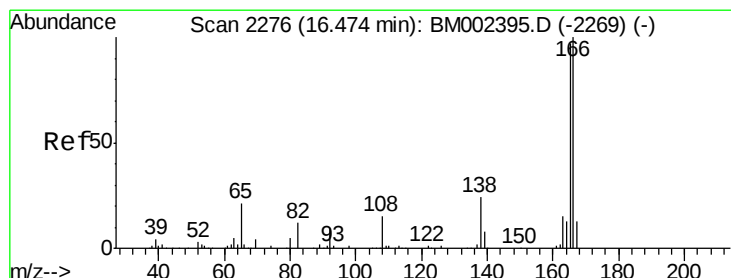
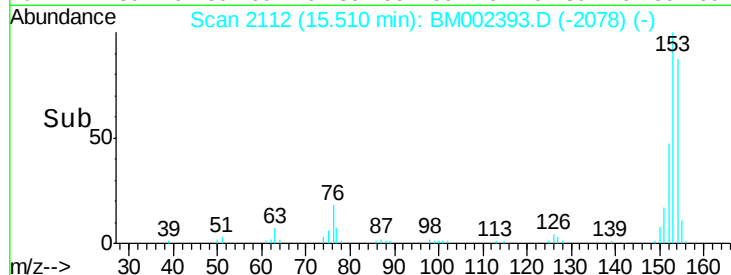
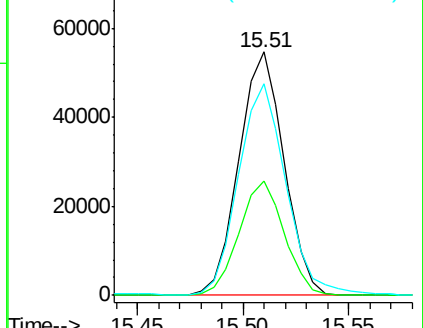
154 87.1 71.3 106.9



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: 5.26 ng/ul

RT: 16.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BM002393.D

Acq: 14 Aug 2015 19:49

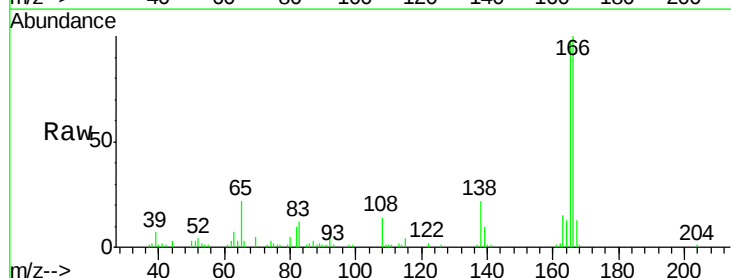
Tgt Ion:166 Resp: 94297

Ion Ratio Lower Upper

166 100

165 98.0 77.6 116.4

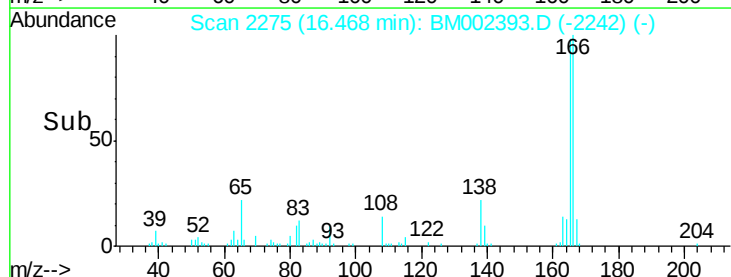
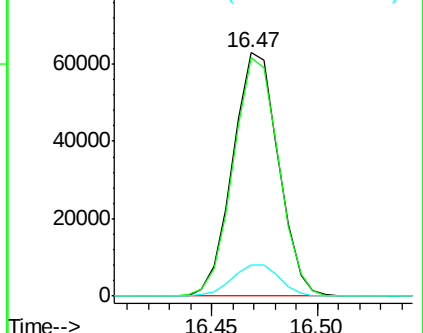
167 13.0 10.7 16.1

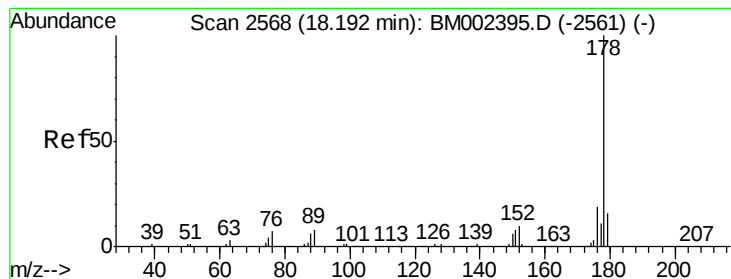


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 5.19 ng/ul

RT: 18.19 min Scan# 2568

Delta R.T. -0.00 min

Lab File: BM002393.D

Acq: 14 Aug 2015 19:49

Instrument :

BNA_M

ClientSampled :

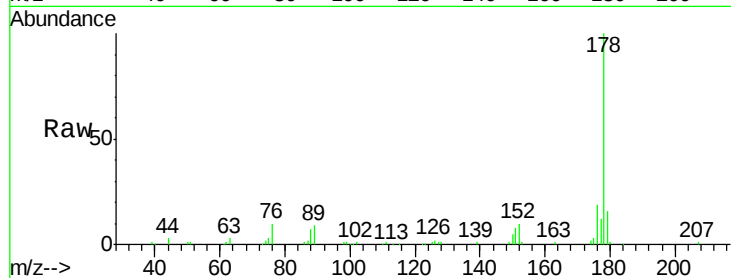
Tot Ion:178 Resp: 148666

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.4	18.6
176	19.5	15.1	22.7

178 100

179 15.9 12.4 18.6

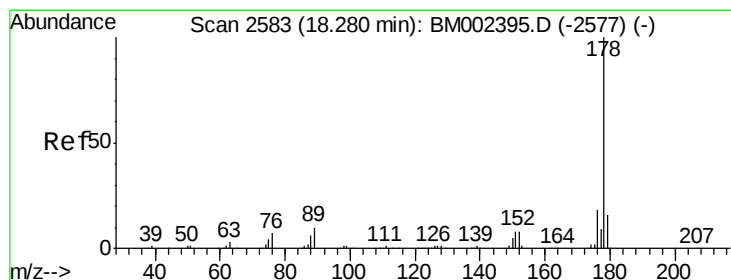
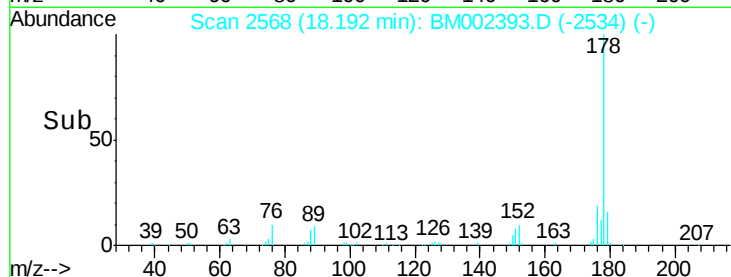
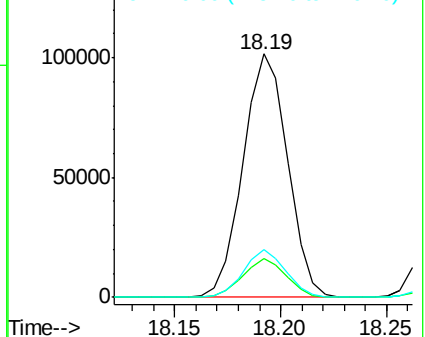
176 19.5 15.1 22.7



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: 5.20 ng/ul

RT: 18.28 min Scan# 2583

Delta R.T. -0.00 min

Lab File: BM002393.D

Acq: 14 Aug 2015 19:49

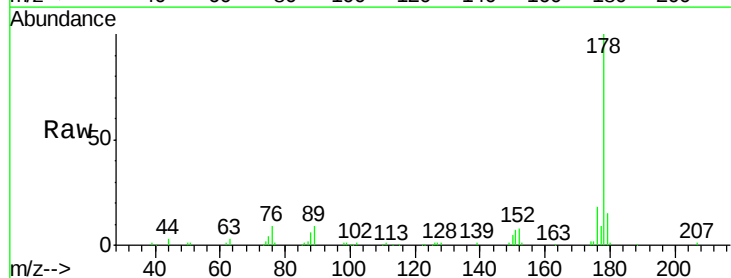
Tgt Ion:178 Resp: 150847

Ion	Ratio	Lower	Upper
178	100		
179	14.7	12.6	18.8
176	17.8	14.5	21.7

178 100

179 14.7 12.6 18.8

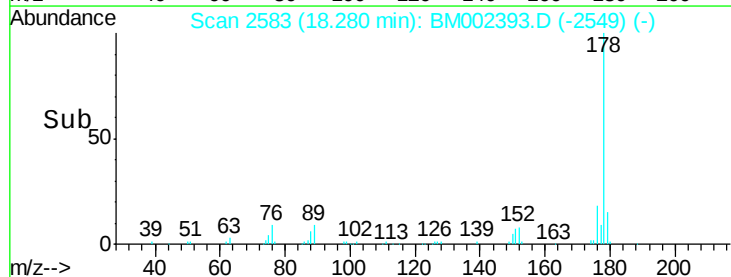
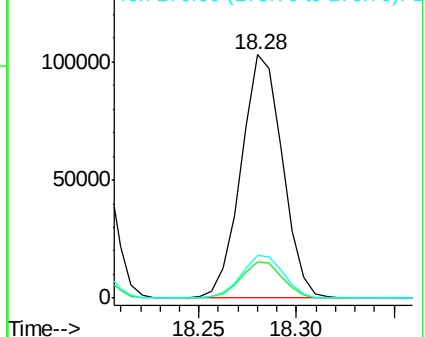
176 17.8 14.5 21.7

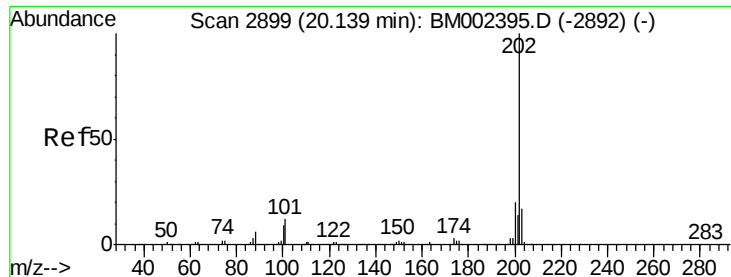


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

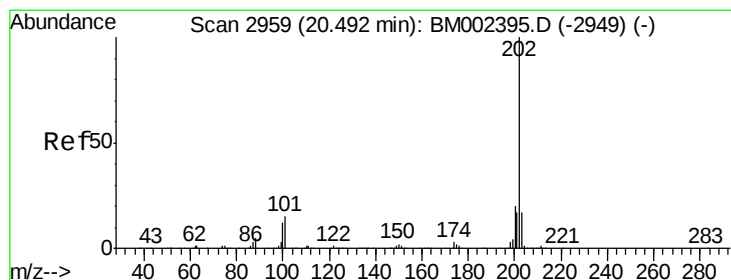
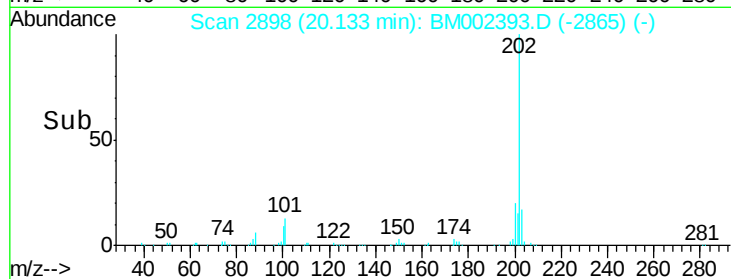
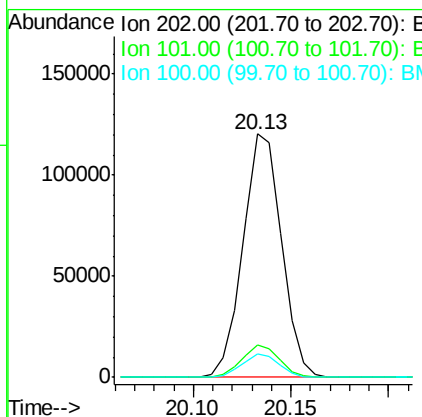
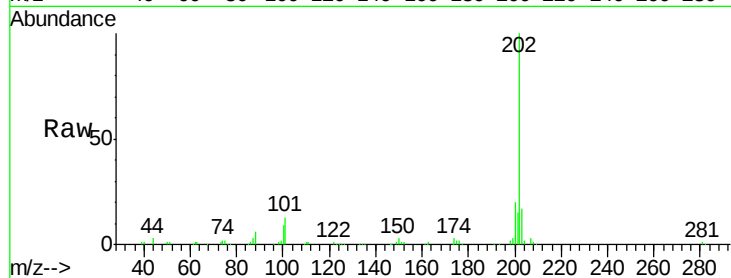




#16
 Fluoranthene
 Concen: 5.09 ng/ul
 RT: 20.13 min Scan# 2898
 Delta R.T. -0.01 min
 Lab File: BM002393.D
 Acq: 14 Aug 2015 19:49

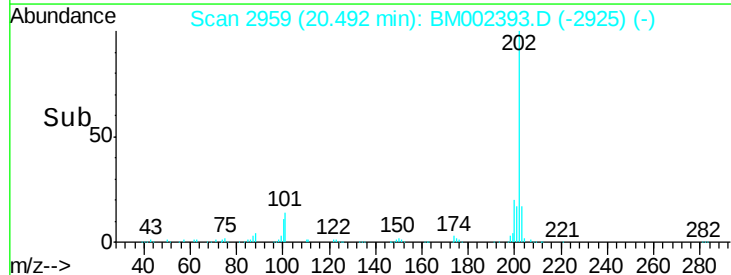
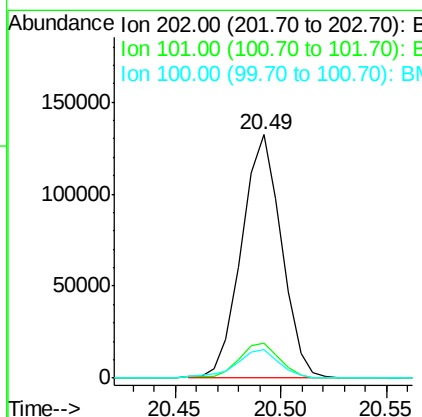
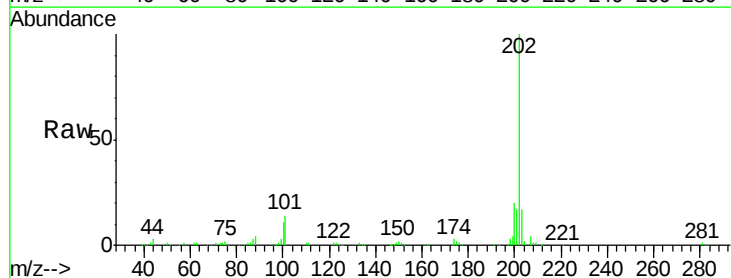
Instrument :
 BNA_M
 ClientSampleId :

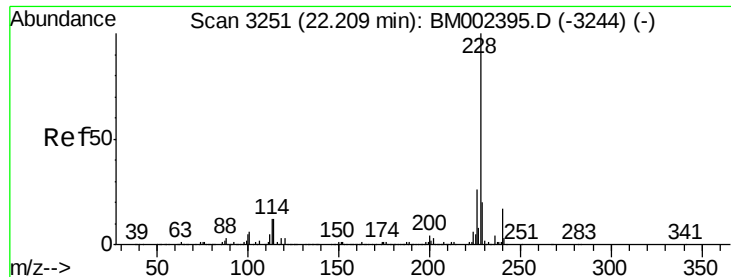
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.4	9.7	14.5
100	9.5	7.4	11.2



#19
 Pyrene
 Concen: 5.47 ng/ul
 RT: 20.49 min Scan# 2959
 Delta R.T. -0.00 min
 Lab File: BM002393.D
 Acq: 14 Aug 2015 19:49

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.3	12.0	18.0
100	11.5	9.7	14.5

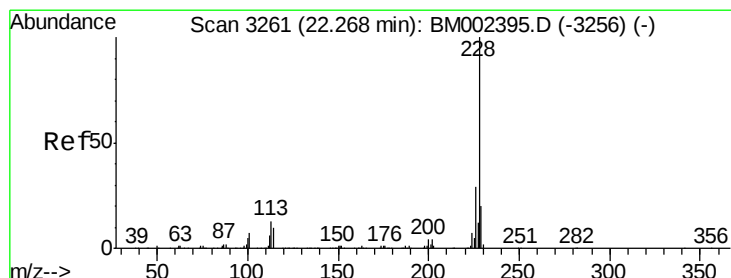
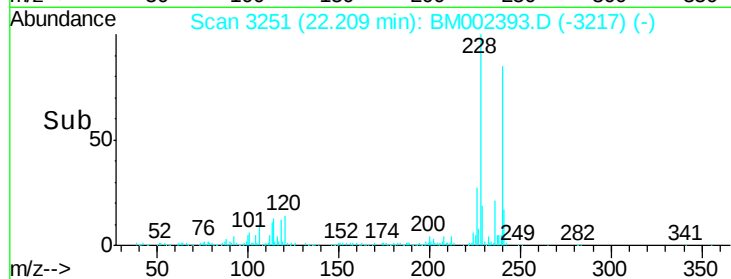
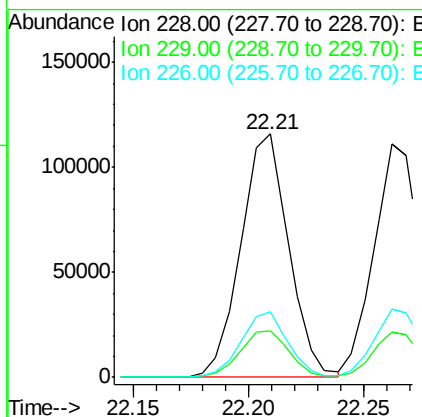
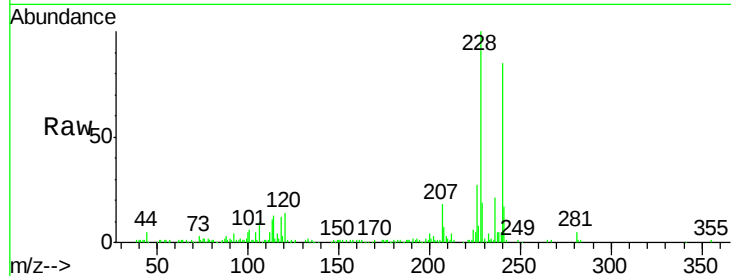




#20
Benzo(a)anthracene
Concen: 5.18 ng/ul
RT: 22.21 min Scan# 3251
Delta R.T. -0.00 min
Lab File: BM002393.D
Acq: 14 Aug 2015 19:49

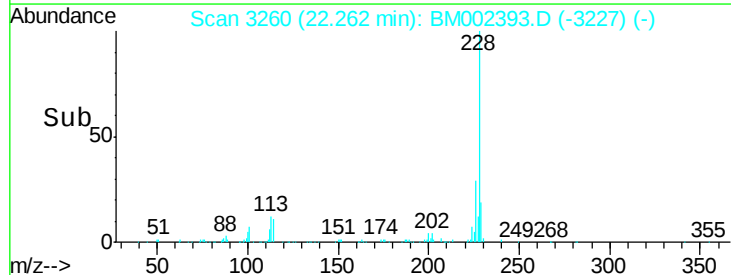
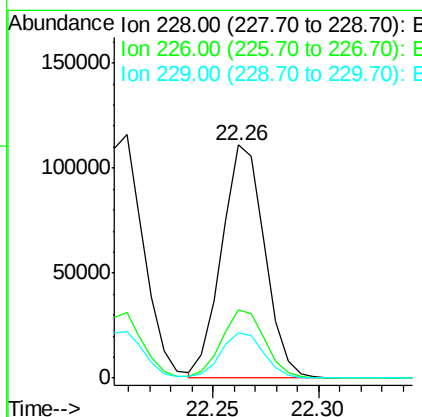
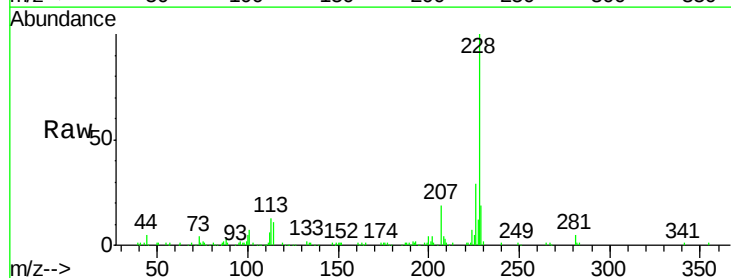
Instrument :
BNA_M
ClientSampleId :

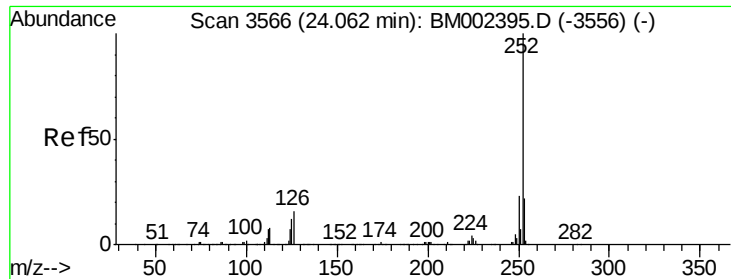
Tot Ion	Ratio	Lower	Upper
228	100		
229	18.8	15.8	23.6
226	27.0	21.1	31.7



#21
Chrysene
Concen: 5.15 ng/ul
RT: 22.26 min Scan# 3260
Delta R.T. -0.01 min
Lab File: BM002393.D
Acq: 14 Aug 2015 19:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.4	35.2
229	19.3	15.7	23.5





#23

Benzo(b)fluoranthene

Concen: 5.16 ng/ul

RT: 24.06 min Scan# 3565

Delta R.T. -0.01 min

Lab File: BM002393.D

Acq: 14 Aug 2015 19:49

Instrument :

BNA_M

ClientSampled :

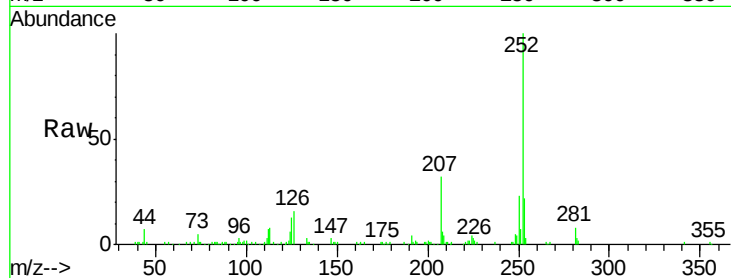
Tot Ion:252 Resp: 170749

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.0

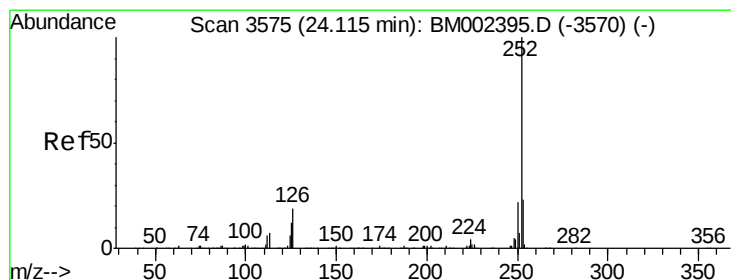
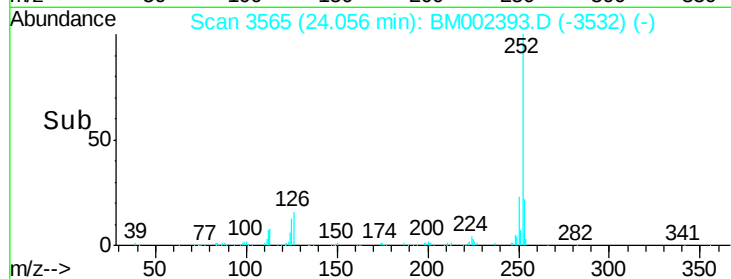
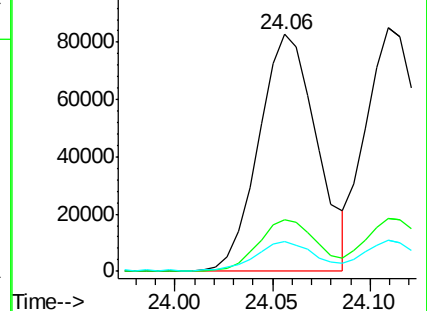
125 12.5 10.0 15.0



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: 5.14 ng/ul

RT: 24.11 min Scan# 3574

Delta R.T. -0.01 min

Lab File: BM002393.D

Acq: 14 Aug 2015 19:49

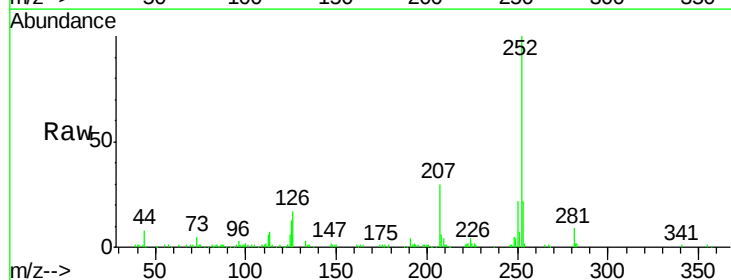
Tgt Ion:252 Resp: 161088

Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.6

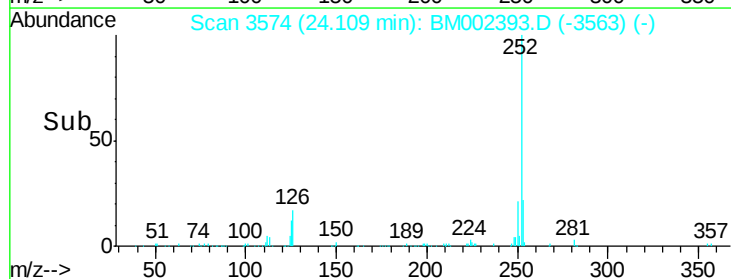
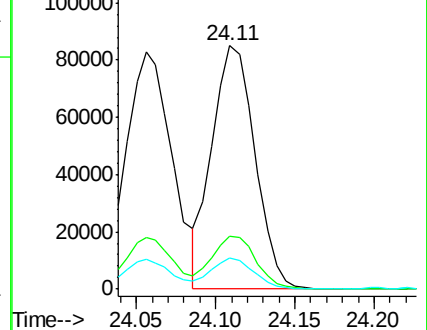
125 12.9 9.8 14.8

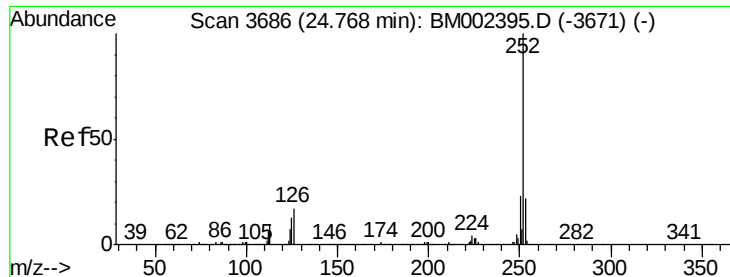


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 5.12 ng/ul

RT: 24.76 min Scan# 3685

Delta R.T. -0.01 min

Lab File: BM002393.D

Acq: 14 Aug 2015 19:49

Instrument :

BNA_M

ClientSampleId :

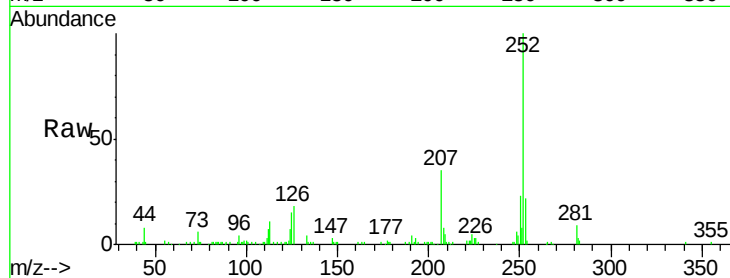
Tot Ion:252 Resp: 161836

Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

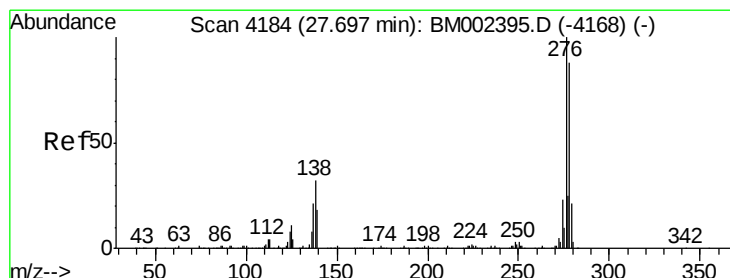
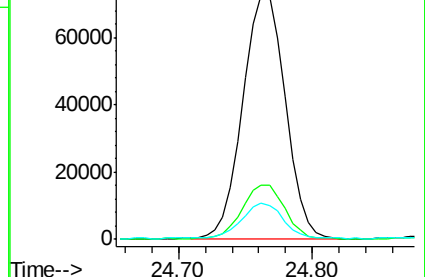
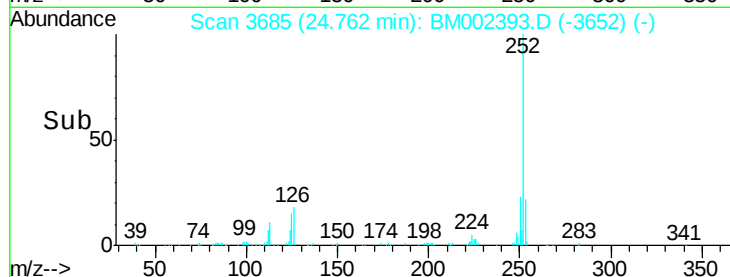
125 14.8 10.7 16.1



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: 5.27 ng/ul

RT: 27.69 min Scan# 4182

Delta R.T. -0.01 min

Lab File: BM002393.D

Acq: 14 Aug 2015 19:49

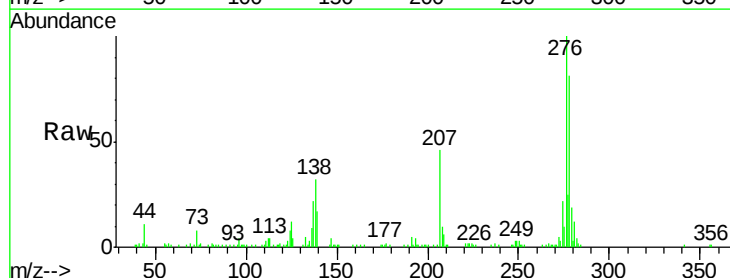
Tgt Ion:276 Resp: 191407

Ion Ratio Lower Upper

276 100

138 31.8 25.3 37.9

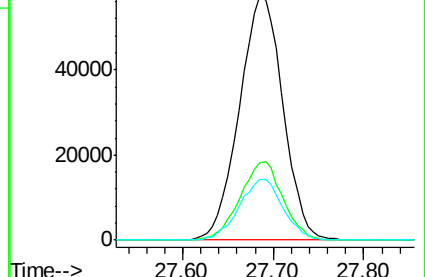
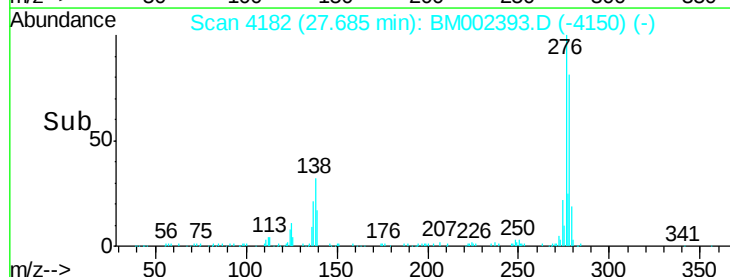
277 25.0 20.2 30.2

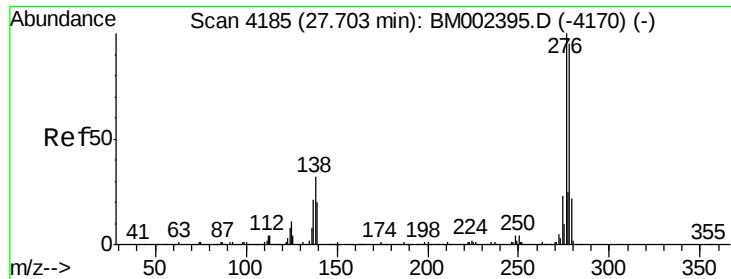


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

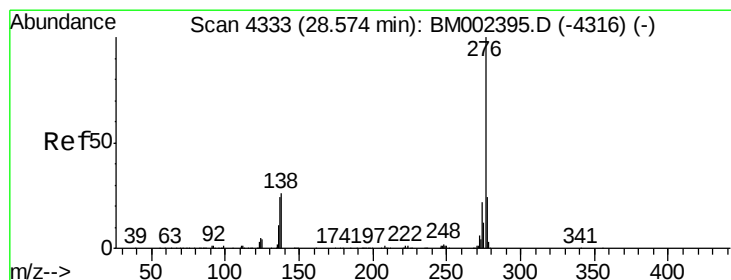
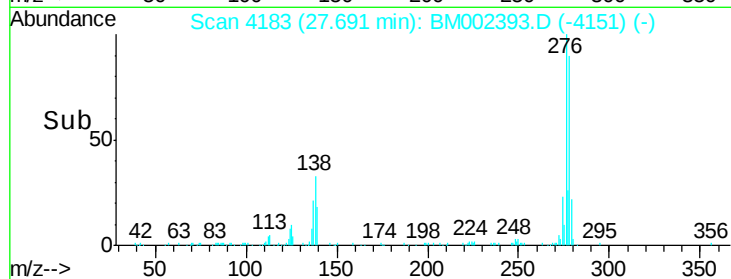
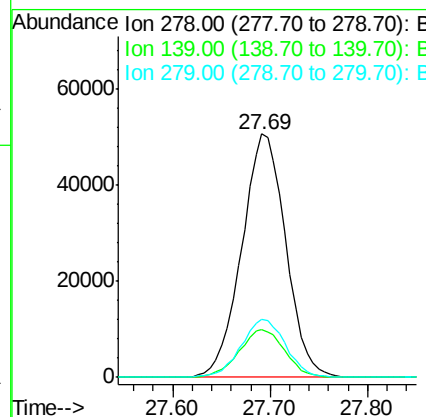
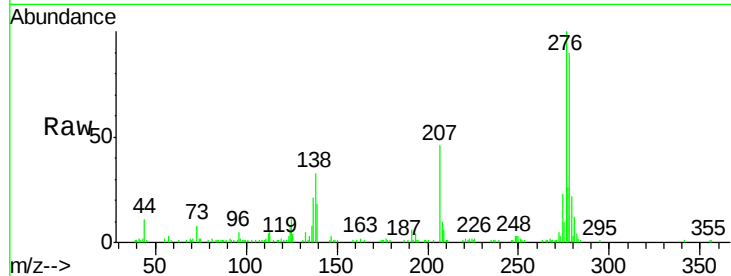




#28
Dibenzo(a,h)anthracene
Concen: 5.24 ng/ul
RT: 27.69 min Scan# 4183
Delta R.T. -0.01 min
Lab File: BM002393.D
Acq: 14 Aug 2015 19:49

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 159067
Ion Ratio Lower Upper
278 100
139 19.7 16.5 24.7
279 24.0 18.8 28.2



#29
Benzo(g,h,i)perylene
Concen: 5.23 ng/ul
RT: 28.56 min Scan# 4331
Delta R.T. -0.01 min
Lab File: BM002393.D
Acq: 14 Aug 2015 19:49

Tgt Ion:276 Resp: 158258
Ion Ratio Lower Upper
276 100
138 27.3 21.0 31.6
277 23.7 19.2 28.8

