

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081315\
 Data File : BM002391.D
 Acq On : 13 Aug 2015 10:14
 Operator : UM/IZ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02030

Quant Time: Aug 14 01:57:49 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 13 05:08:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	280172	20.00	ng/ul	0.00
2) Naphthalene-d8	11.77	136	1218722	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.49	164	571877	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.20	188	975039	20.00	ng/ul	0.00
17) Chrysene-d12	22.29	240	703441	20.00	ng/ul	0.00
22) Perylene-d12	24.98	264	696733	20.00	ng/ul	0.00

System Monitoring Compounds

7) Acenaphthylene-d8	15.19	160	1190695	20.10	ng/ul	0.00
10) Fluorene-d10	16.46	176	778470	18.89	ng/ul	0.00
14) Anthracene-d10	18.29	188	941877	19.91	ng/ul	0.00
18) Pyrene-d10	20.52	212	762922	22.36	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.81	264	743269	20.09	ng/ul	0.00

Target Compounds

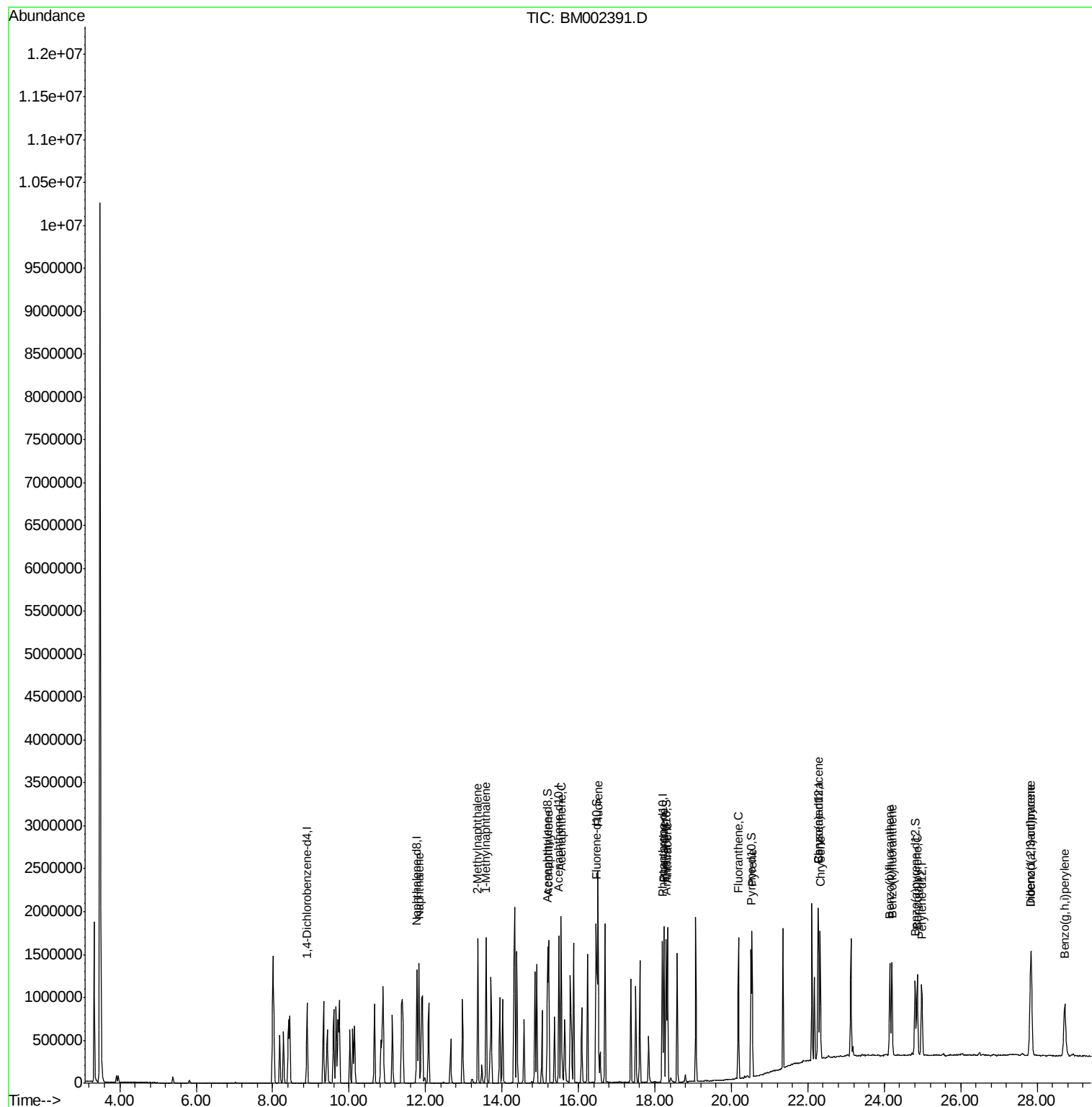
						Qvalue
3) Naphthalene	11.83	128	1269034	19.78	ng/ul	99
4) 2-Methylnaphthalene	13.37	142	863886	18.85	ng/ul	99
5) 1-Methylnaphthalene	13.58	142	836580	18.52	ng/ul	100
8) Acenaphthylene	15.22	152	1241569	20.19	ng/ul	100
9) Acenaphthene	15.55	153	829629	20.05	ng/ul	99
11) Fluorene	16.52	166	875739	18.80	ng/ul	99
13) Phenanthrene	18.24	178	1131581	20.16	ng/ul	99
15) Anthracene	18.33	178	1151866	19.87	ng/ul	100
16) Fluoranthene	20.19	202	1011170	16.27	ng/ul	98
19) Pyrene	20.54	202	1014006	22.30	ng/ul	97
20) Benzo(a)anthracene	22.27	228	862331	20.08	ng/ul	99
21) Chrysene	22.33	228	809548	19.89	ng/ul	99
23) Benzo(b)fluoranthene	24.14	252	865935	20.00	ng/ul	100
24) Benzo(k)fluoranthene	24.20	252	831979	20.01	ng/ul	99
26) Benzo(a)pyrene	24.86	252	832490	20.09	ng/ul	100
27) Indeno(1,2,3-cd)pyrene	27.84	276	987928	20.80	ng/ul	99
28) Dibenzo(a,h)anthracene	27.84	278	834677	20.74	ng/ul	100
29) Benzo(g,h,i)perylene	28.72	276	829318	20.70	ng/ul	99

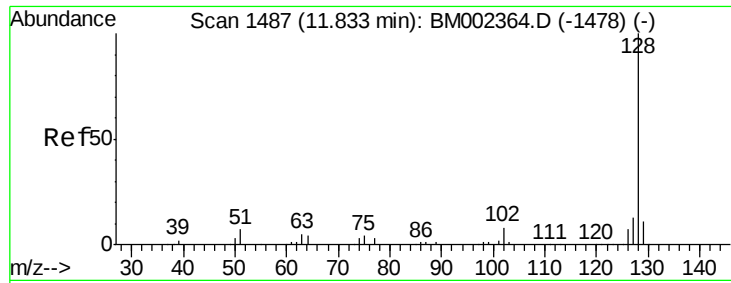
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 19.78 ng/ul

RT: 11.83 min Scan# 1486

Delta R.T. -0.00 min

Lab File: BM002391.D

Acq: 13 Aug 2015 10:14

Instrument :

BNA_M

ClientSampleId :

SSTD02030

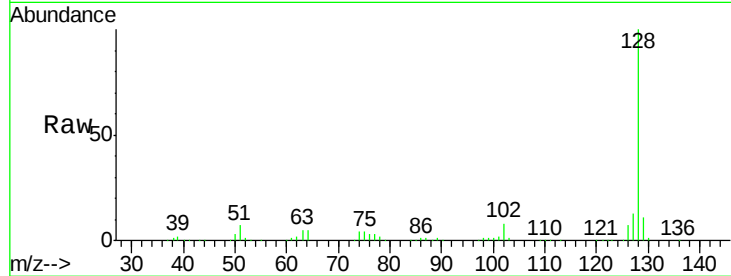
Tgt Ion:128 Resp: 1269034

Ion Ratio Lower Upper

128 100

129 11.3 8.6 12.8

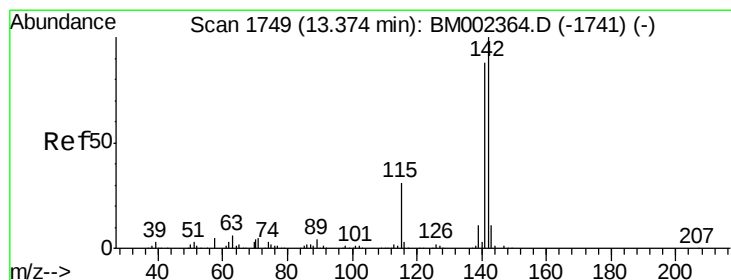
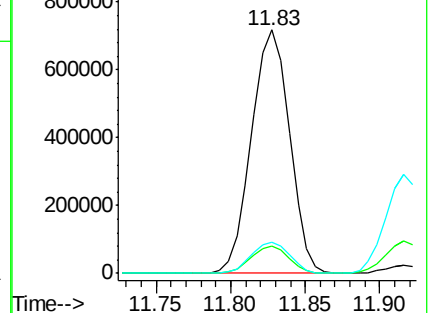
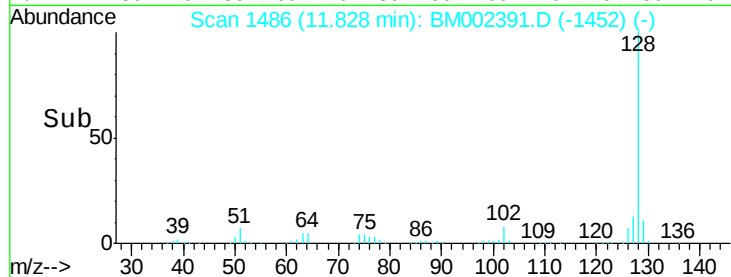
127 12.9 10.4 15.6



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: 18.85 ng/ul

RT: 13.37 min Scan# 1748

Delta R.T. -0.00 min

Lab File: BM002391.D

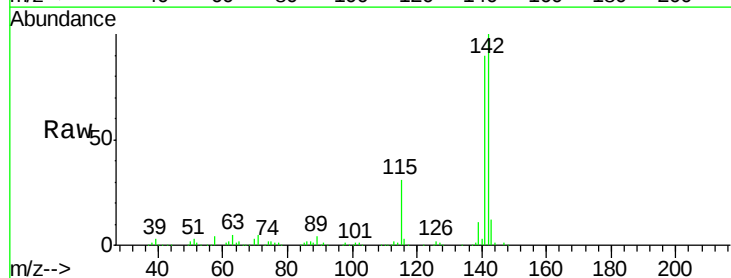
Acq: 13 Aug 2015 10:14

Tgt Ion:142 Resp: 863886

Ion Ratio Lower Upper

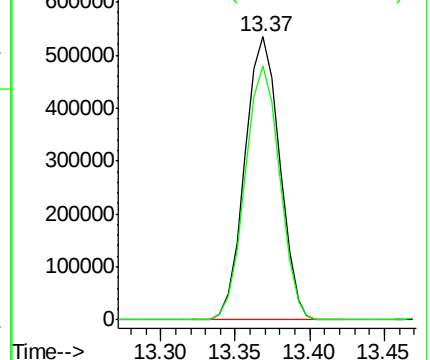
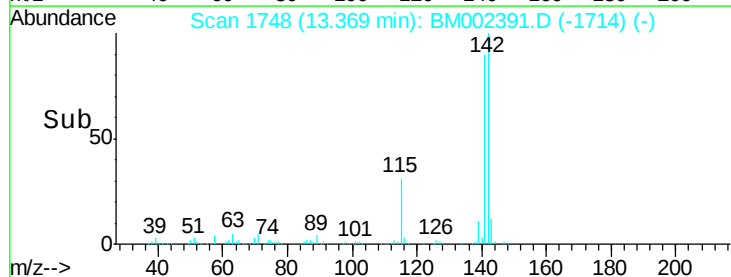
142 100

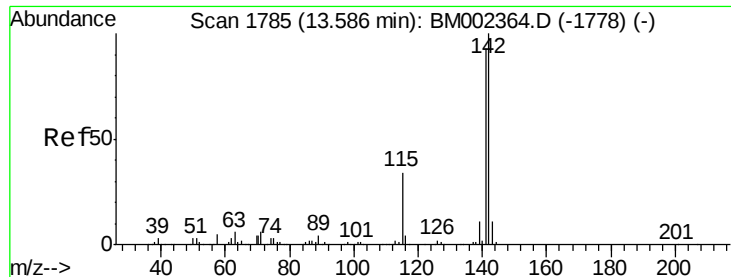
141 89.6 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 18.52 ng/ul

RT: 13.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BM002391.D

Acq: 13 Aug 2015 10:14

Instrument :

BNA_M

ClientSampleId :

SSTD02030

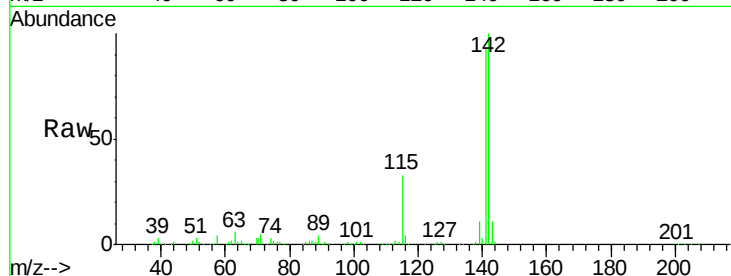
Tgt Ion:142 Resp: 836580

Ion Ratio Lower Upper

142 100

141 92.7 74.5 111.7

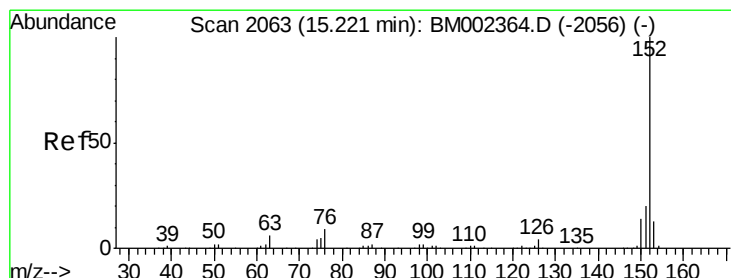
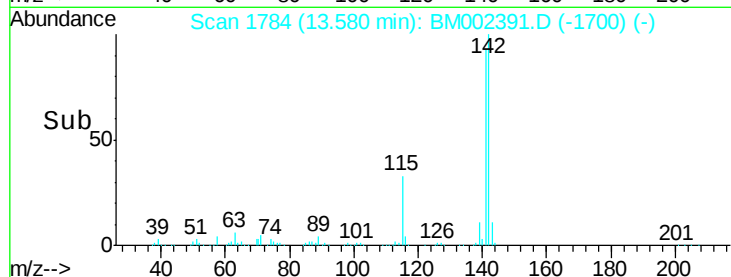
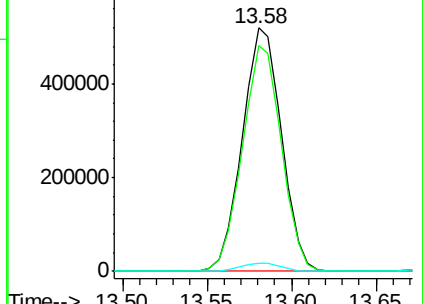
116 3.6 3.0 4.4



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: 20.19 ng/ul

RT: 15.22 min Scan# 2063

Delta R.T. -0.00 min

Lab File: BM002391.D

Acq: 13 Aug 2015 10:14

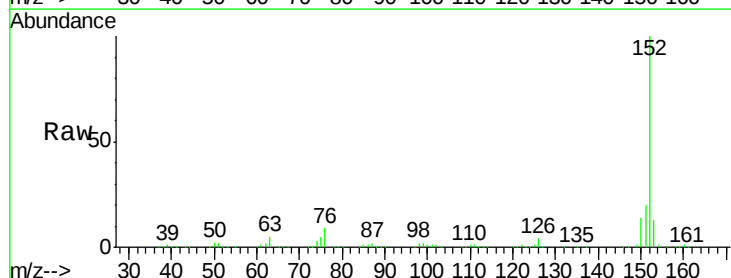
Tgt Ion:152 Resp: 1241569

Ion Ratio Lower Upper

152 100

151 19.6 15.9 23.9

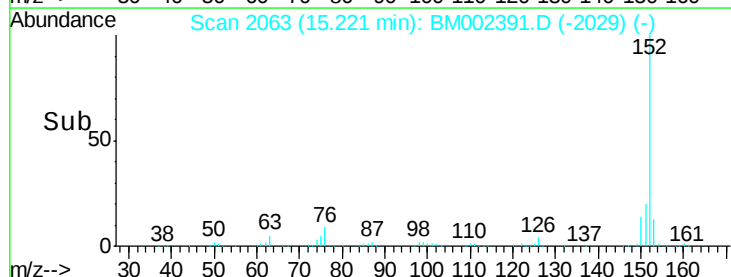
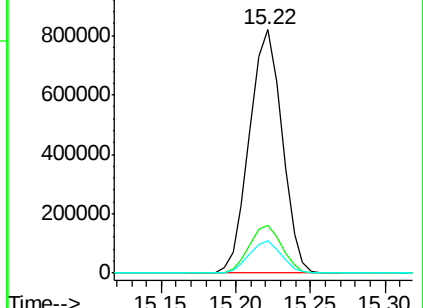
153 13.1 10.6 15.8

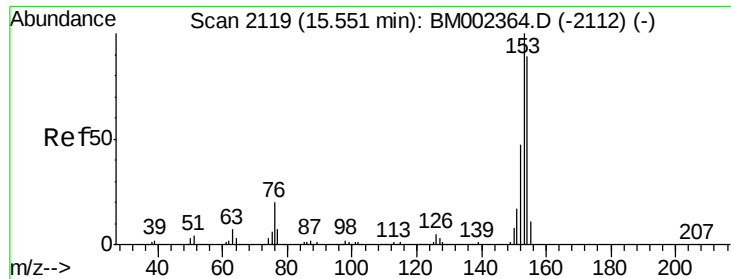


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 20.05 ng/ul

RT: 15.55 min Scan# 2119

Delta R.T. -0.00 min

Lab File: BM002391.D

Acq: 13 Aug 2015 10:14

Instrument :

BNA_M

ClientSampleId :

SSTD02030

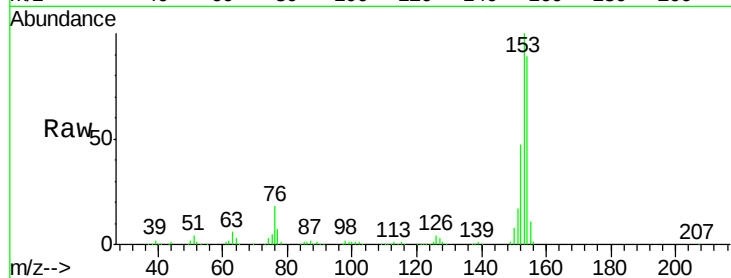
Tgt Ion:153 Resp: 829629

Ion Ratio Lower Upper

153 100

152 46.6 36.6 55.0

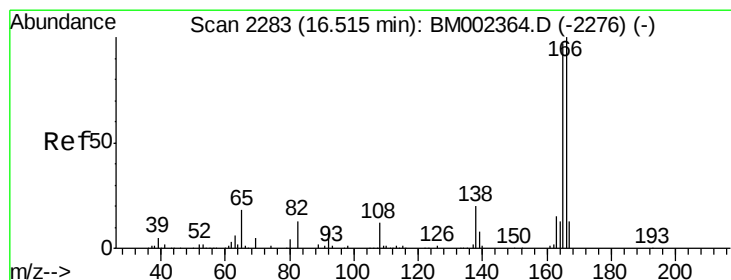
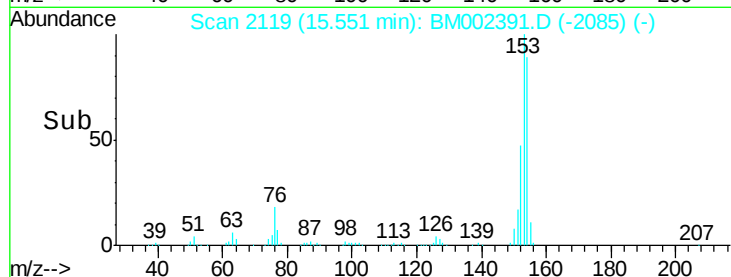
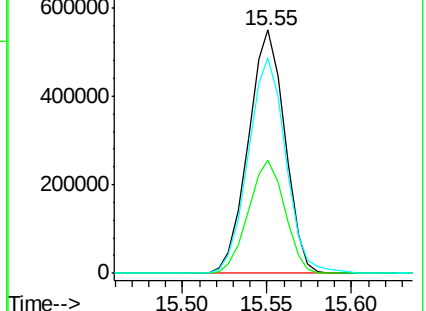
154 88.7 71.5 107.3



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: 18.80 ng/ul

RT: 16.52 min Scan# 2283

Delta R.T. -0.00 min

Lab File: BM002391.D

Acq: 13 Aug 2015 10:14

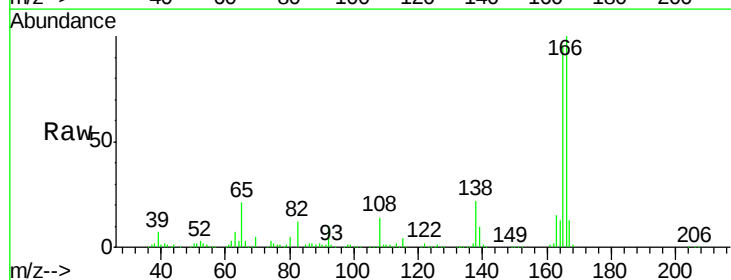
Tgt Ion:166 Resp: 875739

Ion Ratio Lower Upper

166 100

165 96.2 77.5 116.3

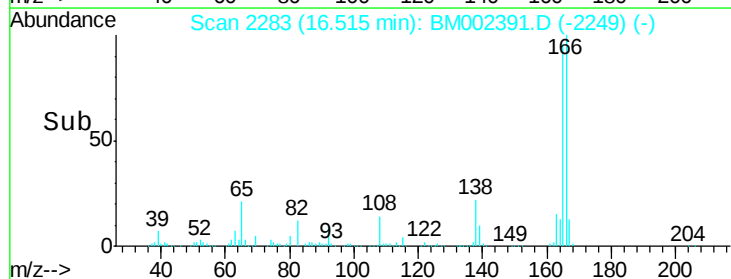
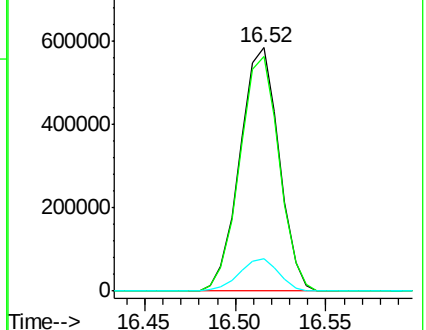
167 13.2 10.4 15.6

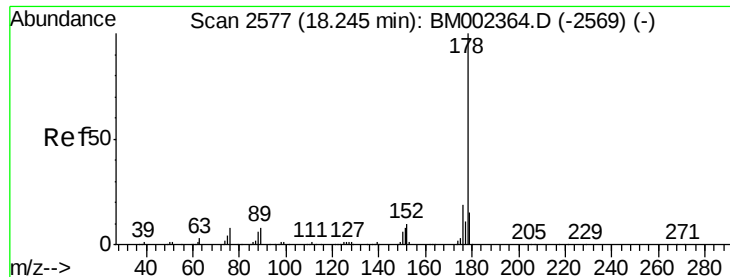


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 20.16 ng/ul

RT: 18.24 min Scan# 2576

Delta R.T. -0.00 min

Lab File: BM002391.D

Acq: 13 Aug 2015 10:14

Instrument :

BNA_M

ClientSampleId :

SSTD02030

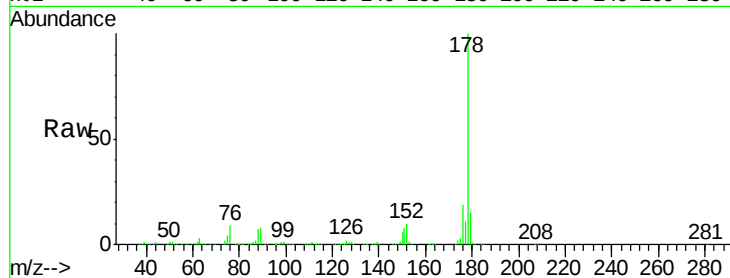
Tgt Ion:178 Resp: 1131581

Ion Ratio Lower Upper

178 100

179 15.3 12.3 18.5

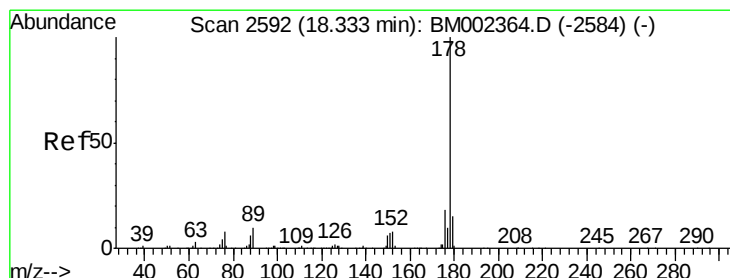
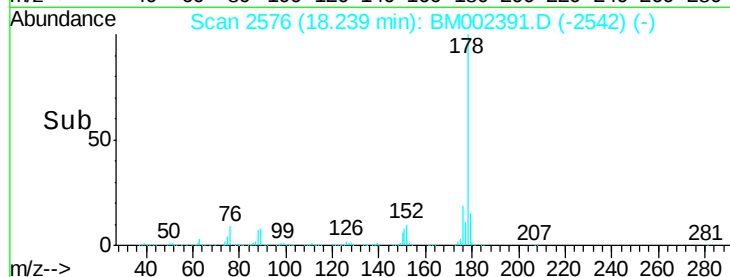
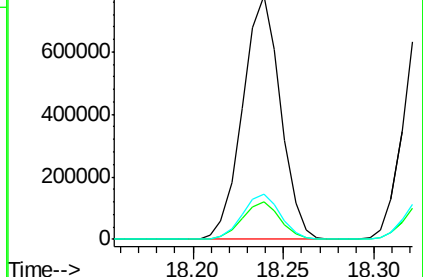
176 18.5 15.3 22.9



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: 19.87 ng/ul

RT: 18.33 min Scan# 2591

Delta R.T. -0.00 min

Lab File: BM002391.D

Acq: 13 Aug 2015 10:14

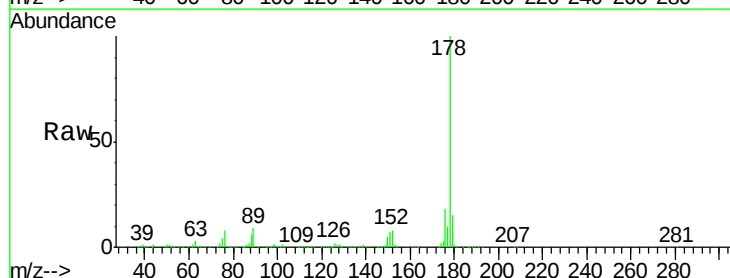
Tgt Ion:178 Resp: 1151866

Ion Ratio Lower Upper

178 100

179 15.3 12.3 18.5

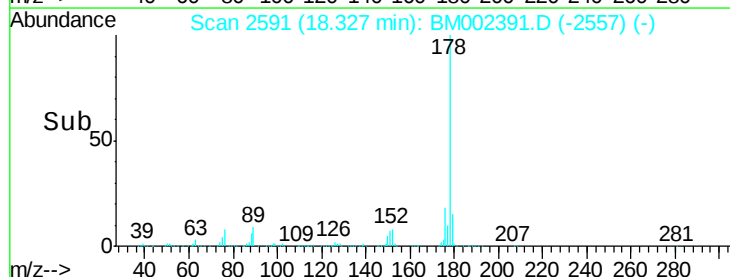
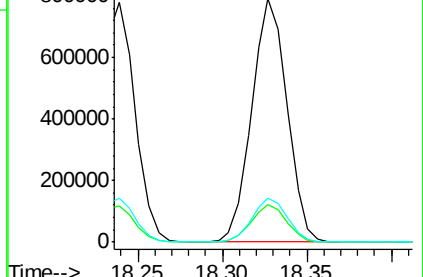
176 17.9 14.5 21.7

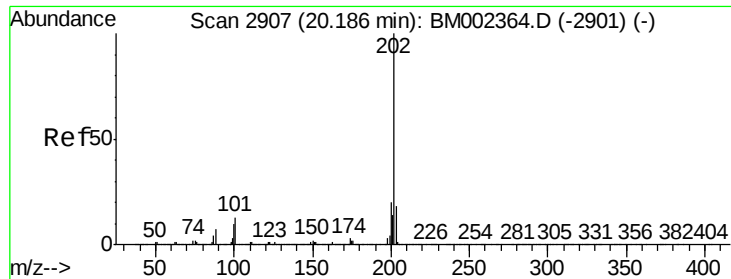


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

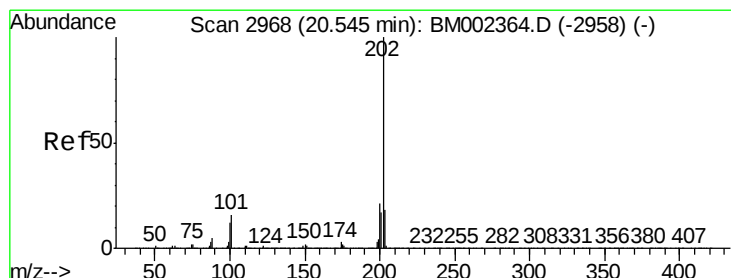
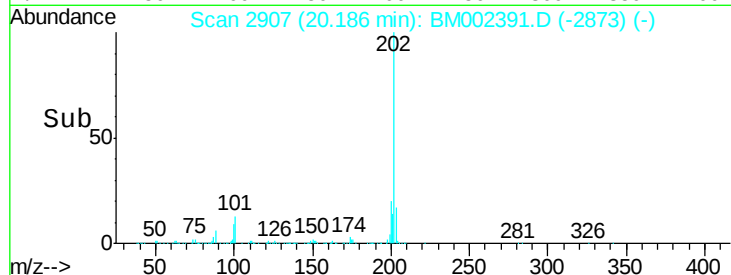
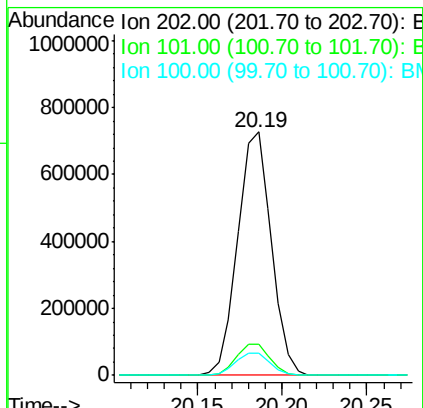
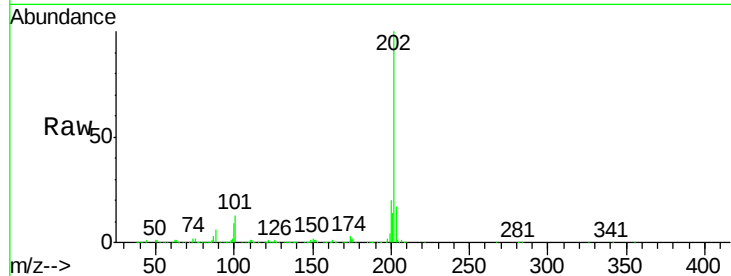




#16
 Fluoranthene
 Concen: 16.27 ng/ul
 RT: 20.19 min Scan# 2907
 Delta R.T. -0.00 min
 Lab File: BM002391.D
 Acq: 13 Aug 2015 10:14

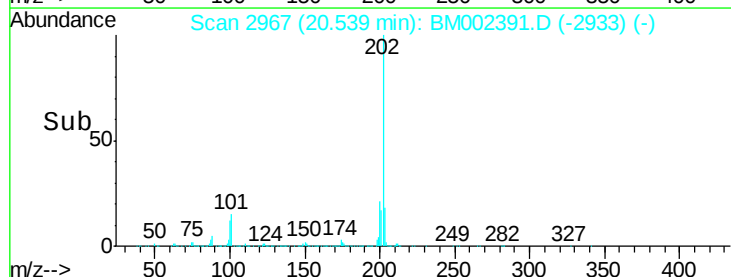
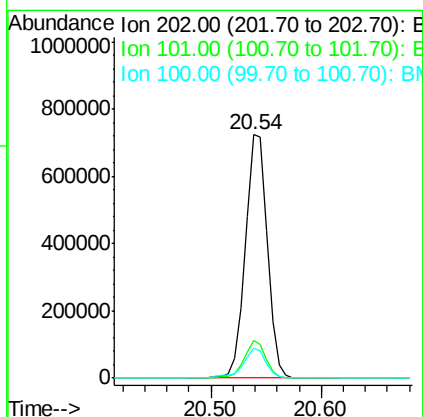
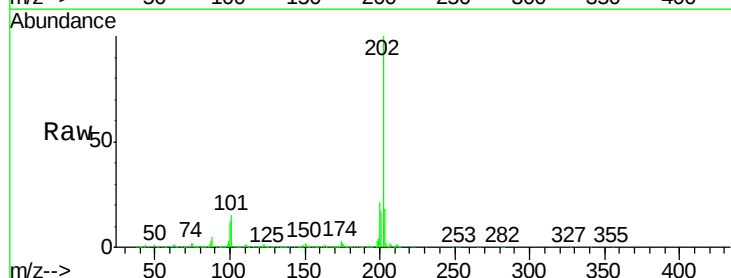
Instrument :
 BNA_M
 ClientSampleId :
 SSTD02030

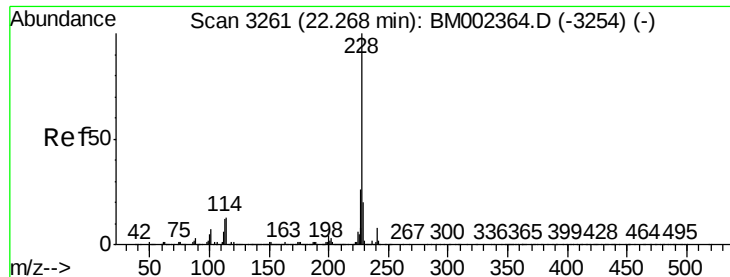
Tgt Ion: 202 Resp: 1011170
 Ion Ratio Lower Upper
 202 100
 101 12.6 10.6 15.8
 100 9.3 8.2 12.4



#19
 Pyrene
 Concen: 22.30 ng/ul
 RT: 20.54 min Scan# 2967
 Delta R.T. -0.00 min
 Lab File: BM002391.D
 Acq: 13 Aug 2015 10:14

Tgt Ion: 202 Resp: 1014006
 Ion Ratio Lower Upper
 202 100
 101 15.4 13.0 19.6
 100 12.3 11.0 16.4





#20

Benzo(a)anthracene

Concen: 20.08 ng/ul

RT: 22.27 min Scan# 3261

Delta R.T. -0.00 min

Lab File: BM002391.D

Acq: 13 Aug 2015 10:14

Instrument :

BNA_M

ClientSampleId :

SSTD02030

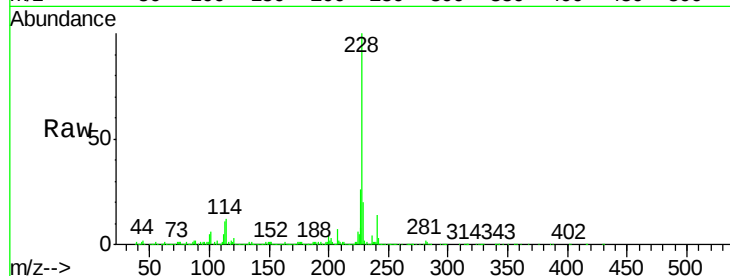
Tgt Ion:228 Resp: 862331

Ion Ratio Lower Upper

228 100

229 20.1 15.7 23.5

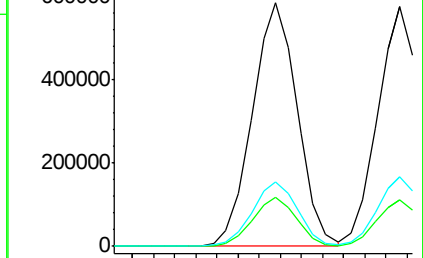
226 26.4 21.4 32.0



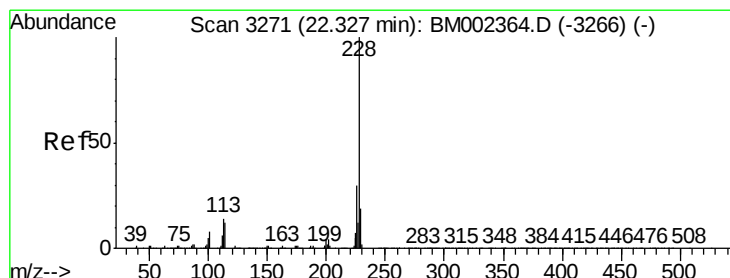
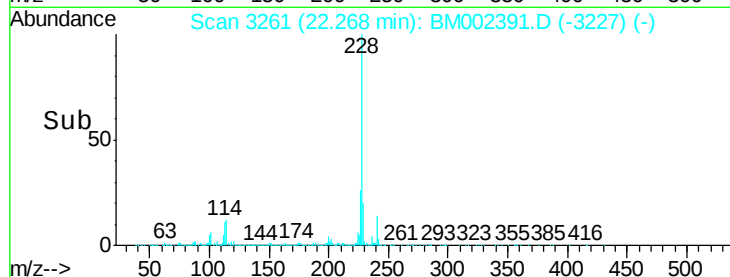
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



Time-->



#21

Chrysene

Concen: 19.89 ng/ul

RT: 22.33 min Scan# 3271

Delta R.T. -0.00 min

Lab File: BM002391.D

Acq: 13 Aug 2015 10:14

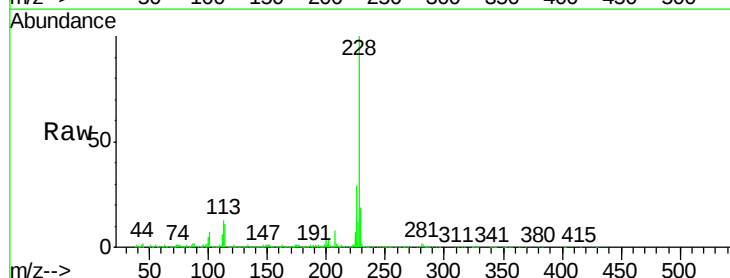
Tgt Ion:228 Resp: 809548

Ion Ratio Lower Upper

228 100

226 28.8 23.4 35.0

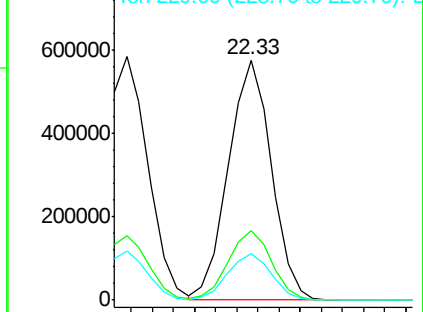
229 19.3 15.5 23.3



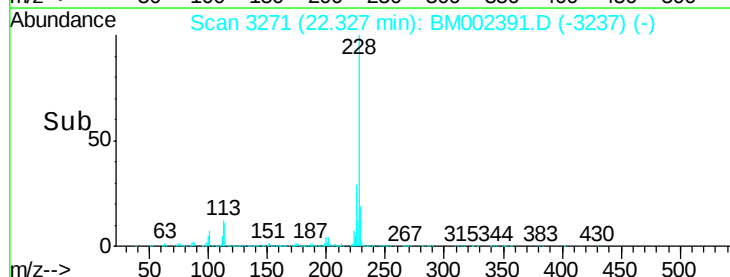
Abundance Ion 228.00 (227.70 to 228.70): E

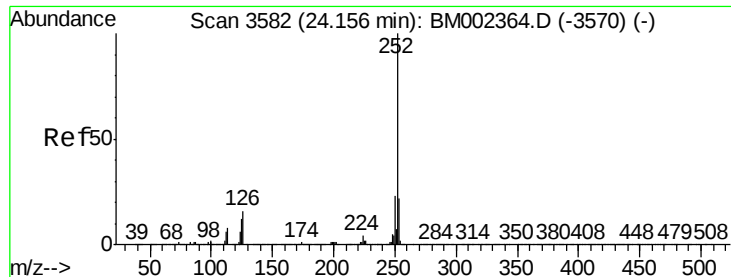
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->





#23

Benzo(b)fluoranthene

Concen: 20.00 ng/ul

RT: 24.14 min Scan# 3580

Delta R.T. -0.00 min

Lab File: BM002391.D

Acq: 13 Aug 2015 10:14

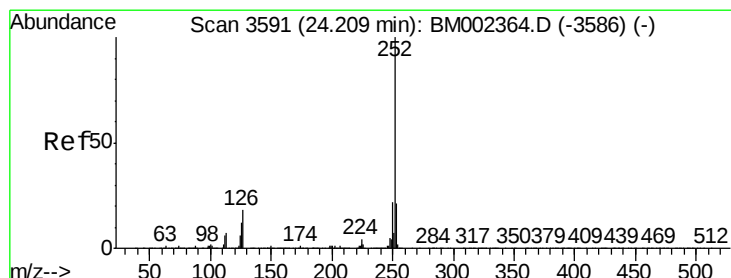
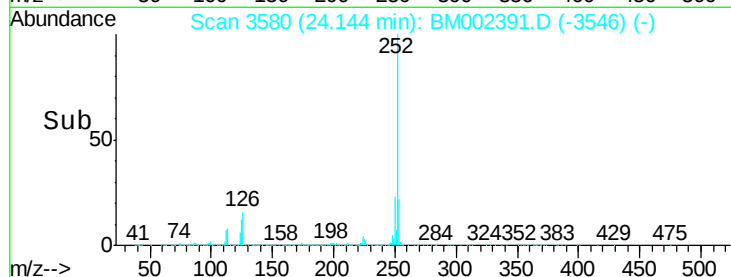
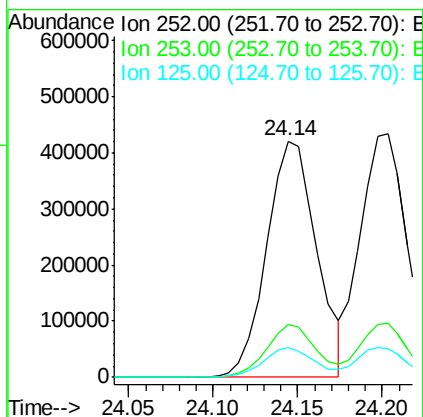
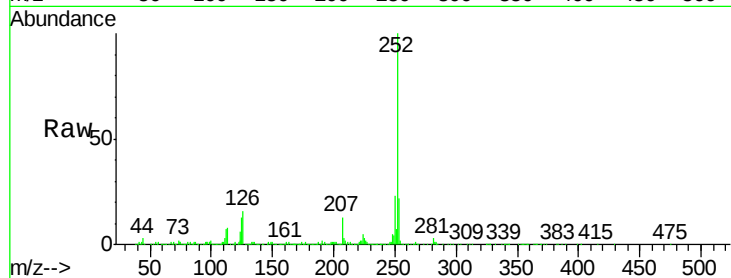
Instrument :

BNA_M

ClientSampleId :

SSTD02030

Tgt Ion:	252	Resp:	865935
Ion Ratio		Lower	Upper
252	100		
253	22.3	17.9	26.9
125	12.6	10.3	15.5



#24

Benzo(k)fluoranthene

Concen: 20.01 ng/ul

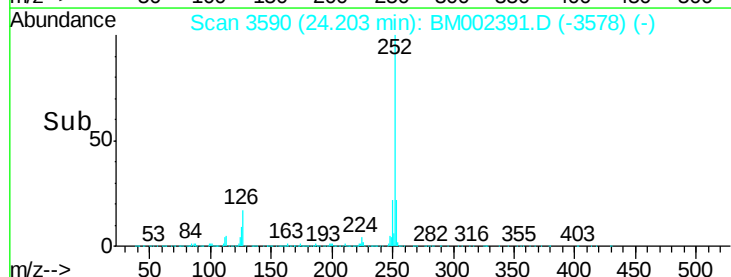
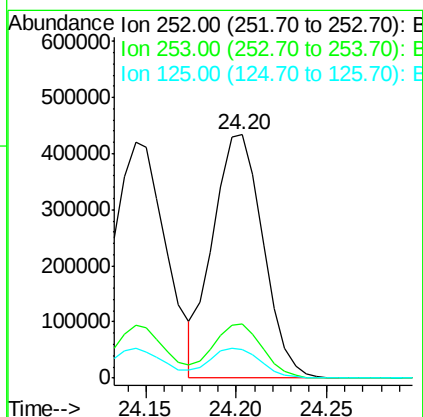
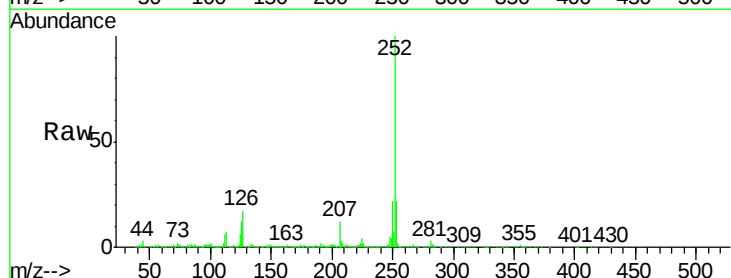
RT: 24.20 min Scan# 3590

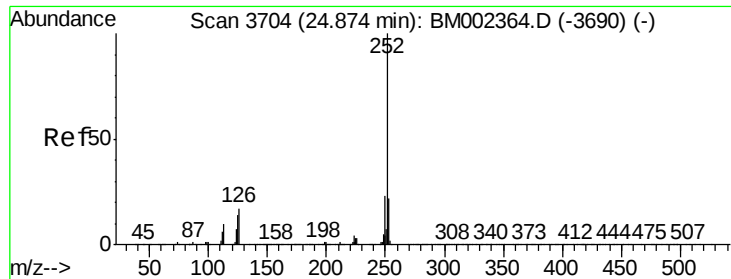
Delta R.T. -0.00 min

Lab File: BM002391.D

Acq: 13 Aug 2015 10:14

Tgt Ion:	252	Resp:	831979
Ion Ratio		Lower	Upper
252	100		
253	22.0	17.3	25.9
125	11.8	10.2	15.4





#26

Benzo(a)pyrene

Concen: 20.09 ng/ul

RT: 24.86 min Scan# 3702

Delta R.T. -0.00 min

Lab File: BM002391.D

Acq: 13 Aug 2015 10:14

Instrument :

BNA_M

ClientSampleId :

SSTD02030

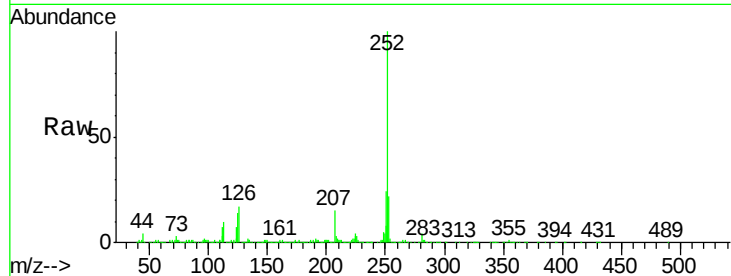
Tgt Ion:252 Resp: 832490

Ion Ratio Lower Upper

252 100

253 21.7 17.3 25.9

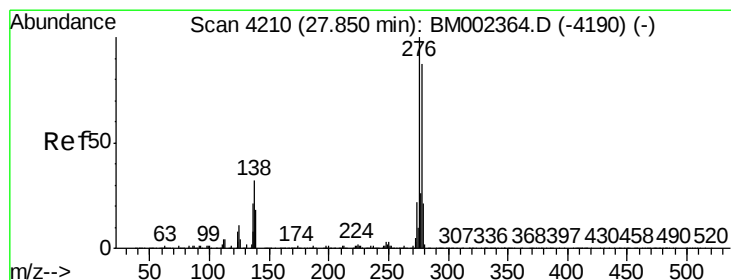
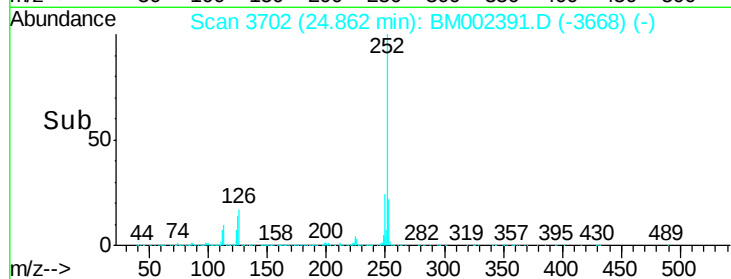
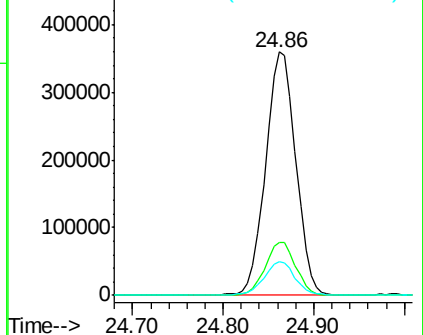
125 14.0 11.0 16.6



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: 20.80 ng/ul

RT: 27.84 min Scan# 4208

Delta R.T. -0.00 min

Lab File: BM002391.D

Acq: 13 Aug 2015 10:14

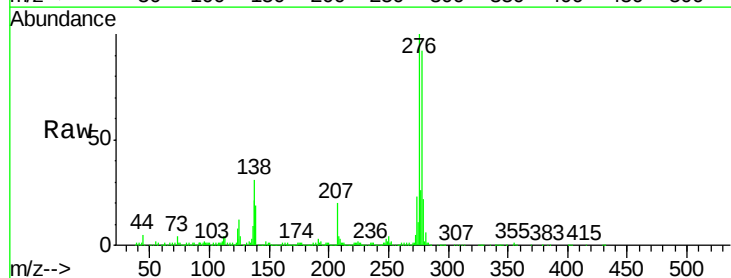
Tgt Ion:276 Resp: 987928

Ion Ratio Lower Upper

276 100

138 31.0 25.6 38.4

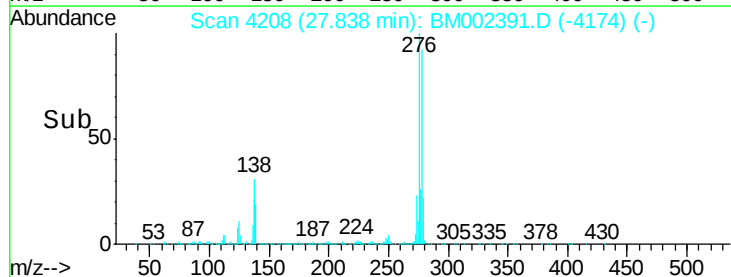
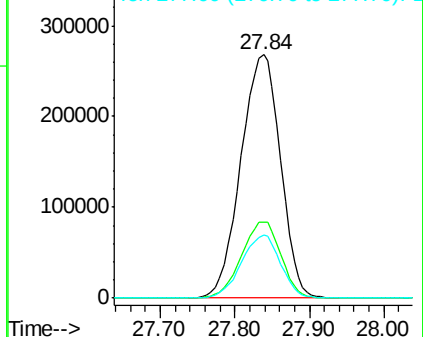
277 26.1 21.0 31.4

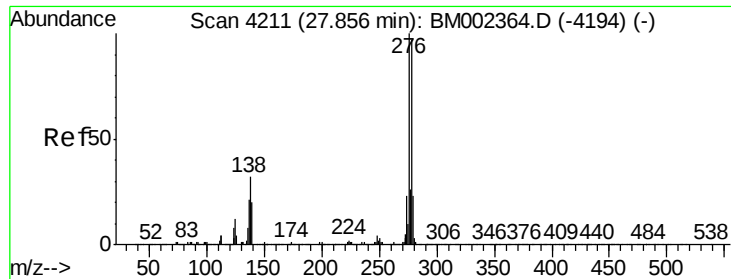


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 20.74 ng/ul

RT: 27.84 min Scan# 4209

Delta R.T. -0.00 min

Lab File: BM002391.D

Acq: 13 Aug 2015 10:14

Instrument :

BNA_M

ClientSampleId :

SSTD02030

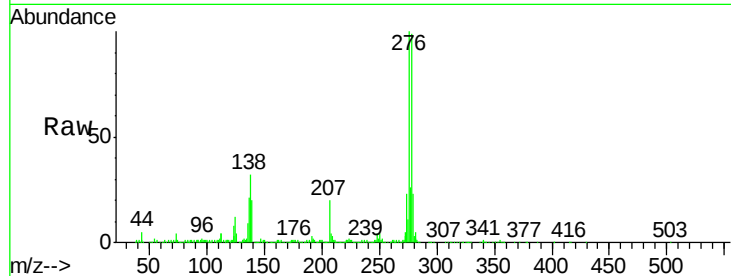
Tgt Ion:278 Resp: 834677

Ion Ratio Lower Upper

278 100

139 20.4 16.4 24.6

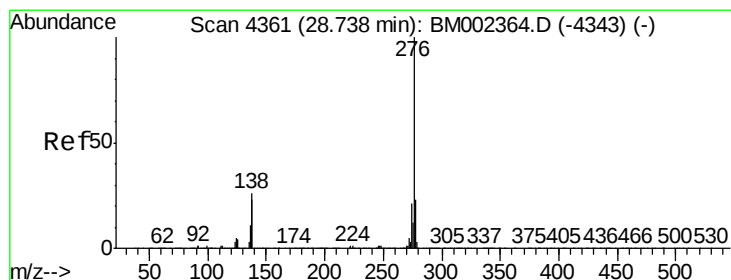
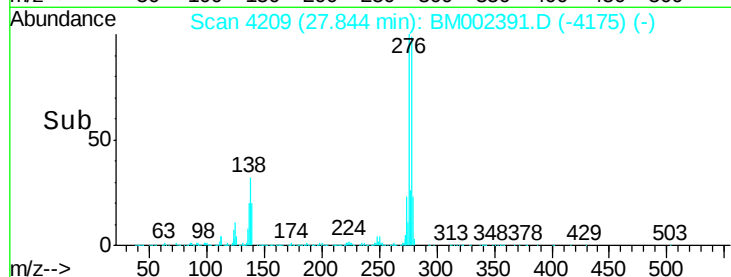
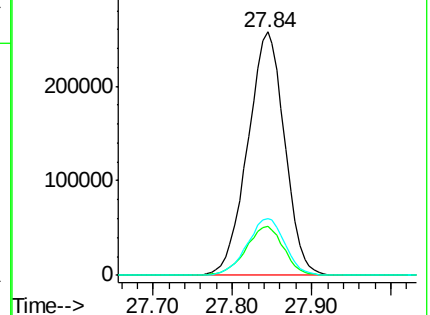
279 23.4 18.8 28.2



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: 20.70 ng/ul

RT: 28.72 min Scan# 4358

Delta R.T. -0.00 min

Lab File: BM002391.D

Acq: 13 Aug 2015 10:14

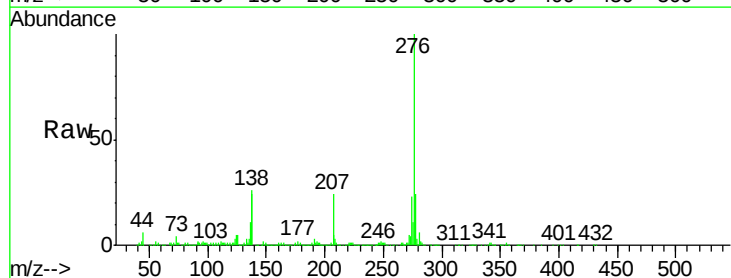
Tgt Ion:276 Resp: 829318

Ion Ratio Lower Upper

276 100

138 26.1 20.5 30.7

277 24.3 19.0 28.6



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

