

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081315\
 Data File : BM002395.D
 Acq On : 13 Aug 2015 13:32
 Operator : UM/IZ
 Sample : G3194-14
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02034

Quant Time: Aug 14 02:03:20 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 14 02:01:37 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	247876	20.00	ng/ul	0.00
2) Naphthalene-d8	11.77	136	1096235	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.49	164	541489	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.19	188	972216	20.00	ng/ul	0.00
17) Chrysene-d12	22.29	240	1043492	20.00	ng/ul	0.00
22) Perylene-d12	24.99	264	658562	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.19	160	883826	15.76	ng/ul	0.00
10) Fluorene-d10	16.46	176	584601	14.99	ng/ul	0.00
14) Anthracene-d10	18.29	188	754787	16.00	ng/ul	0.00
18) Pyrene-d10	20.52	212	614002	12.13	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.81	264	515804	14.75	ng/ul	0.00

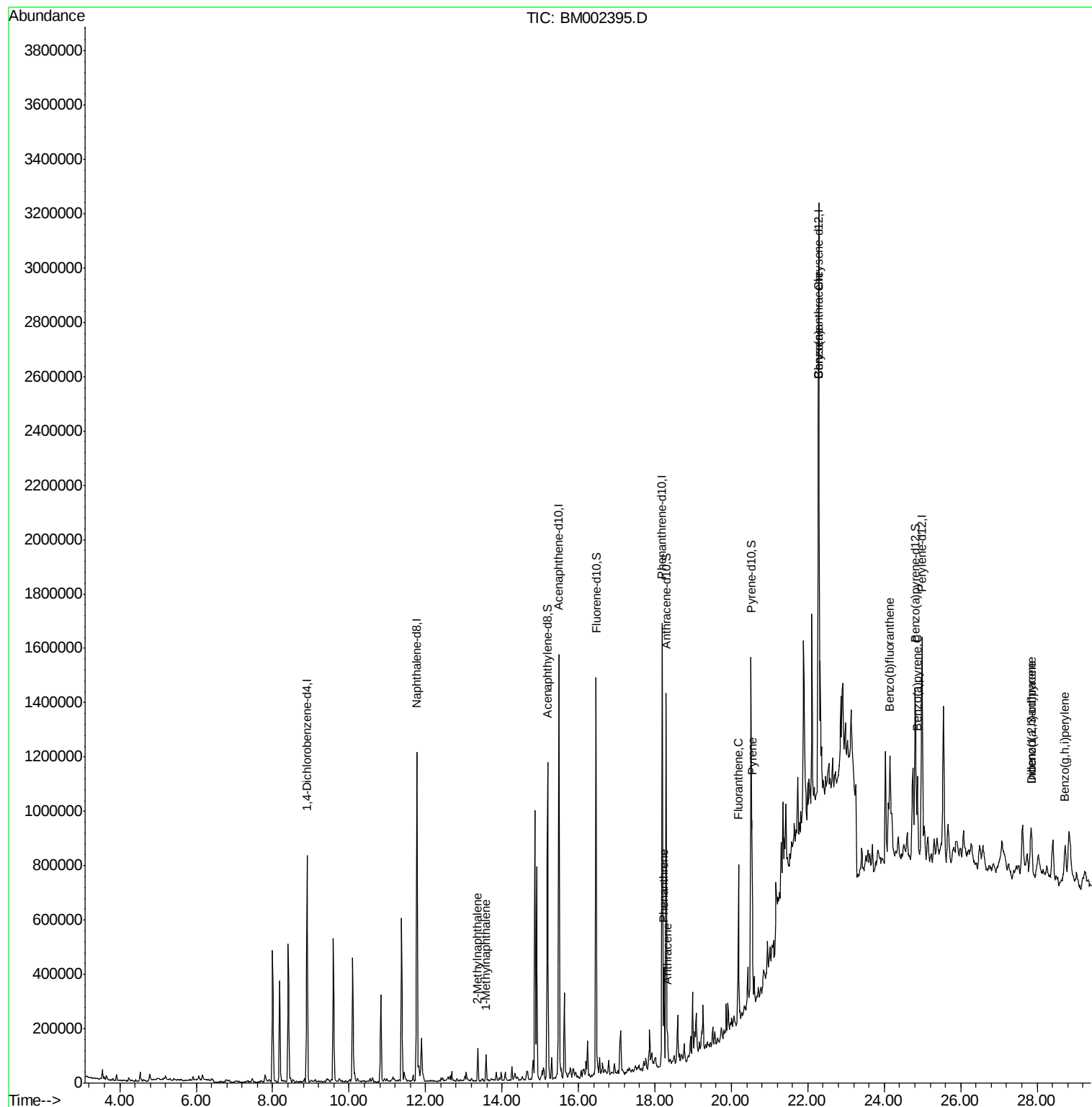
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) 2-Methylnaphthalene	13.37	142	61466	1.49	ng/ul	99
5) 1-Methylnaphthalene	13.58	142	48097	1.18	ng/ul	99
13) Phenanthrene	18.24	178	219855	3.93	ng/ul	100
15) Anthracene	18.33	178	78831	1.36	ng/ul	97
16) Fluoranthene	20.19	202	370625	5.98	ng/ul	96
19) Pyrene	20.54	202	351504	5.21	ng/ul	97
20) Benzo(a)anthracene	22.27	228	283318	4.45	ng/ul	95
21) Chrysene	22.27	228	280596	4.65	ng/ul	96
23) Benzo(b)fluoranthene	24.15	252	324556	7.93	ng/ul	97
26) Benzo(a)pyrene	24.87	252	215424	5.50	ng/ul	94
27) Indeno(1,2,3-cd)pyrene	27.84	276	157995	3.52	ng/ul	97
28) Dibenzo(a,h)anthracene	27.84	278	46172	1.21	ng/ul#	63
29) Benzo(g,h,i)perylene	28.74	276	202588	5.35	ng/ul	96

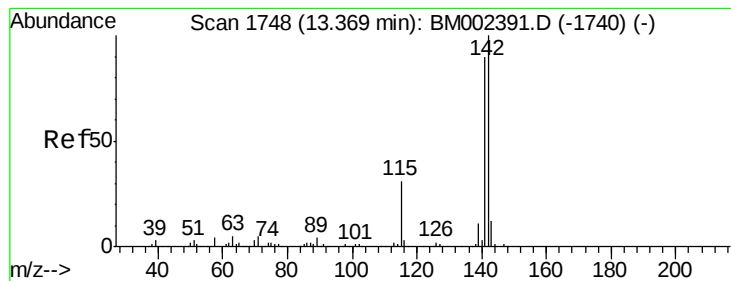
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 14 02:01:37 2015
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#4

2-Methylnaphthalene

Concen: 1.49 ng/ul

RT: 13.37 min Scan# 1748

Delta R.T. 0.00 min

Lab File: BM002395.D

Acq: 13 Aug 2015 13:32

Instrument :

BNA_M

ClientSampleId :

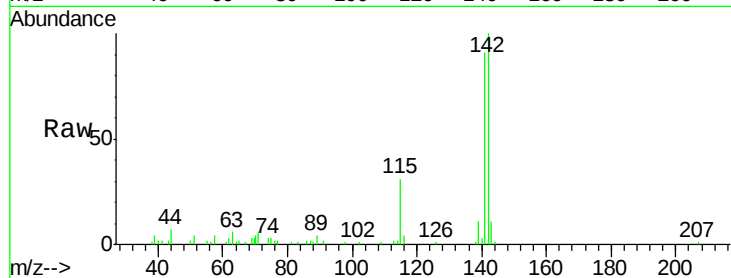
SSTD02034

Tgt Ion:142 Resp: 61466

Ion Ratio Lower Upper

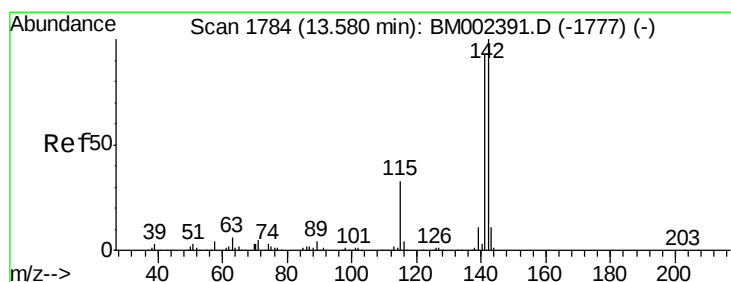
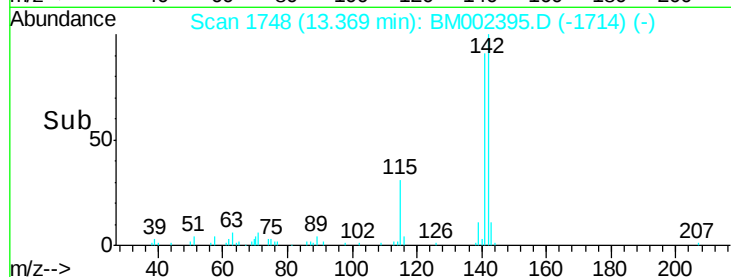
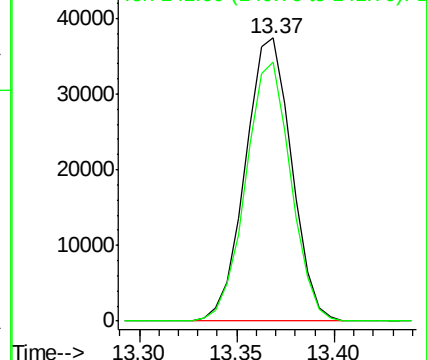
142 100

141 91.3 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: 1.18 ng/ul

RT: 13.58 min Scan# 1784

Delta R.T. 0.00 min

Lab File: BM002395.D

Acq: 13 Aug 2015 13:32

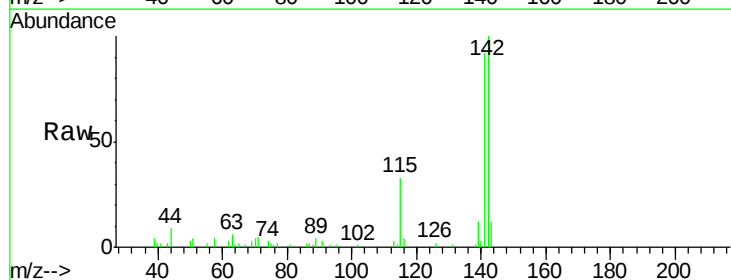
Tgt Ion:142 Resp: 48097

Ion Ratio Lower Upper

142 100

141 91.7 74.5 111.7

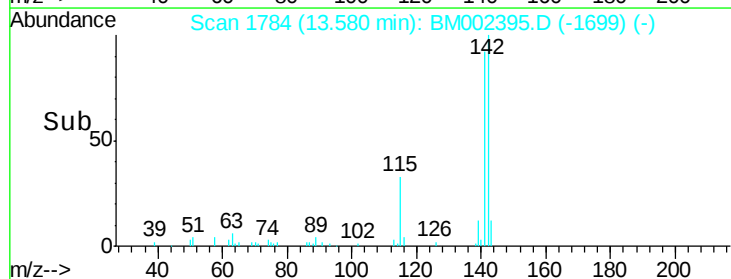
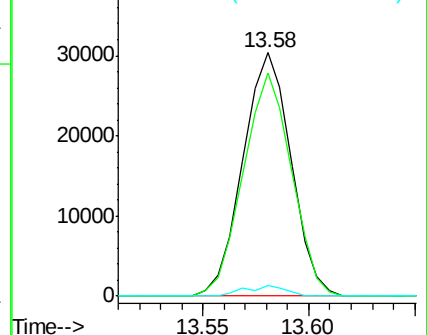
116 4.3 3.0 4.4

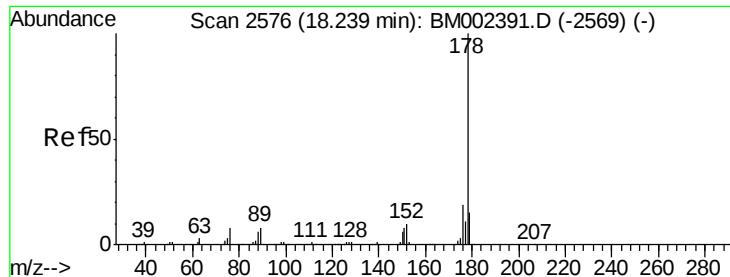


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#13

Phenanthrene

Concen: 3.93 ng/ul

RT: 18.24 min Scan# 2576

Delta R.T. 0.00 min

Lab File: BM002395.D

Acq: 13 Aug 2015 13:32

Instrument :

BNA_M

ClientSampleId :

SSTD02034

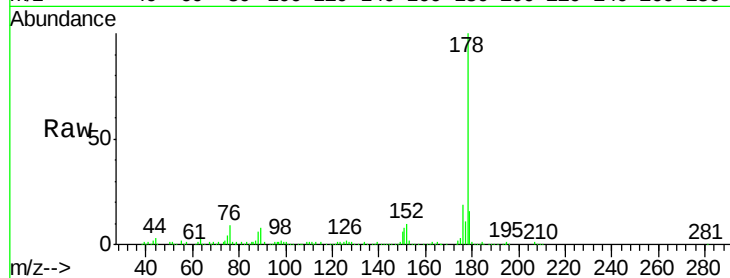
Tgt Ion:178 Resp: 219855

Ion Ratio Lower Upper

178 100

179 15.6 12.3 18.5

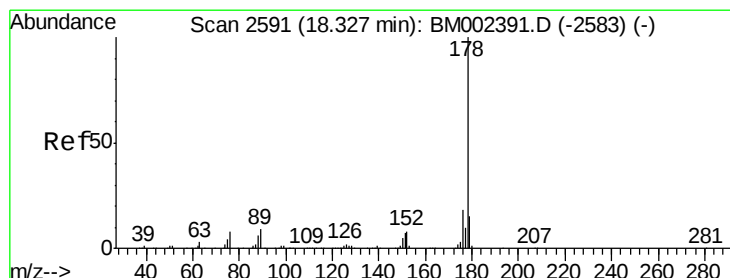
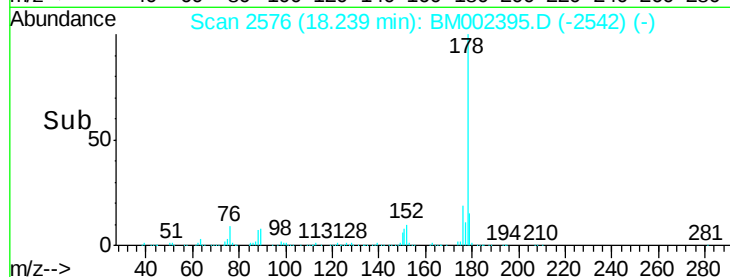
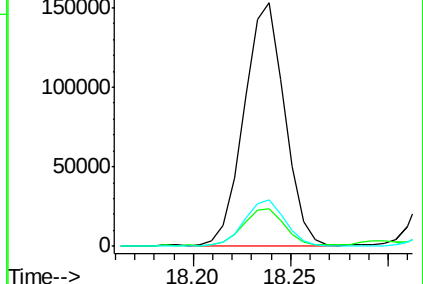
176 19.0 15.3 22.9



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: 1.36 ng/ul

RT: 18.33 min Scan# 2591

Delta R.T. 0.00 min

Lab File: BM002395.D

Acq: 13 Aug 2015 13:32

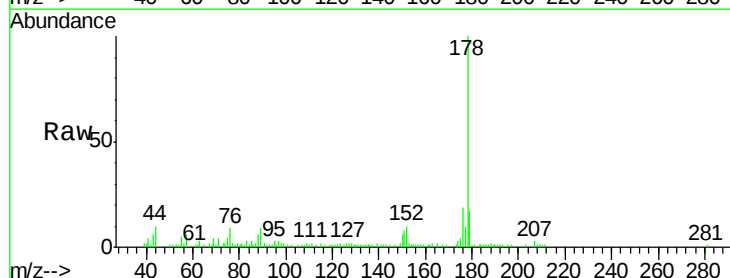
Tgt Ion:178 Resp: 78831

Ion Ratio Lower Upper

178 100

179 16.7 12.3 18.5

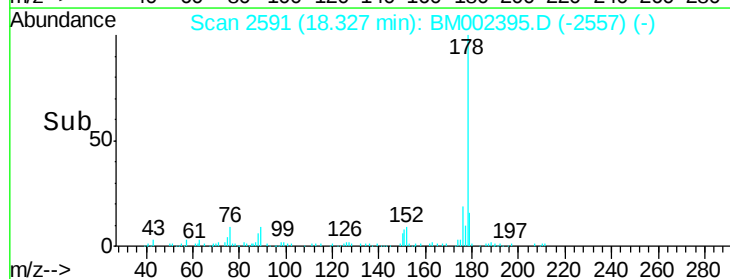
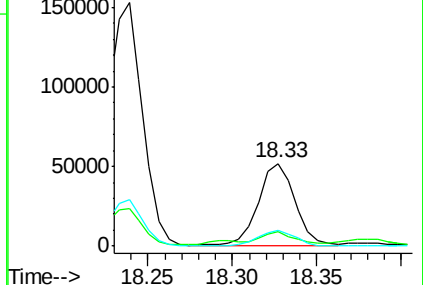
176 19.3 14.5 21.7

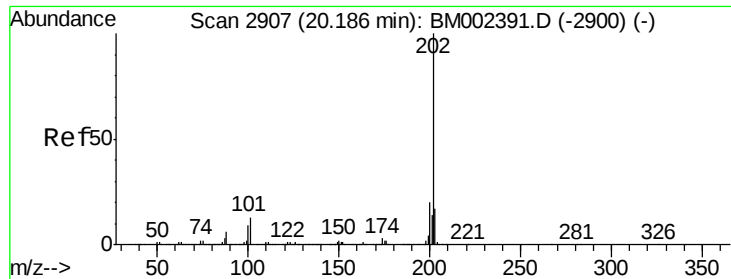


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

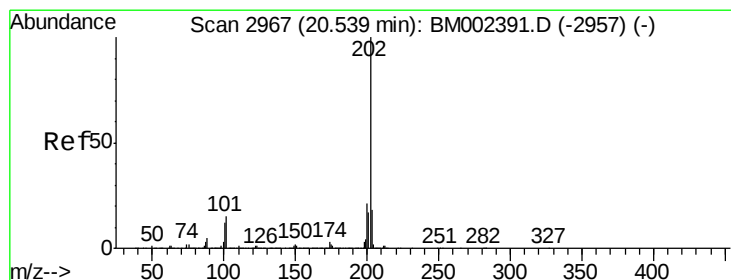
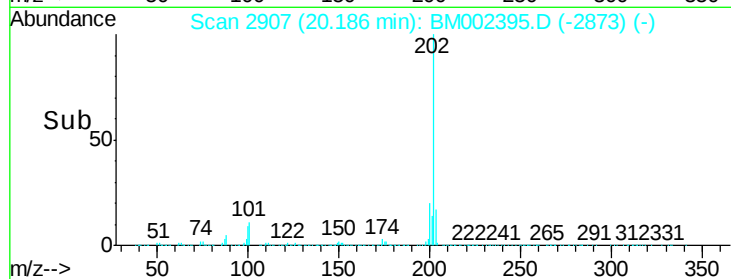
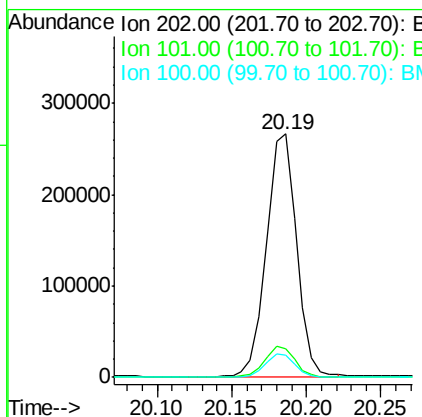
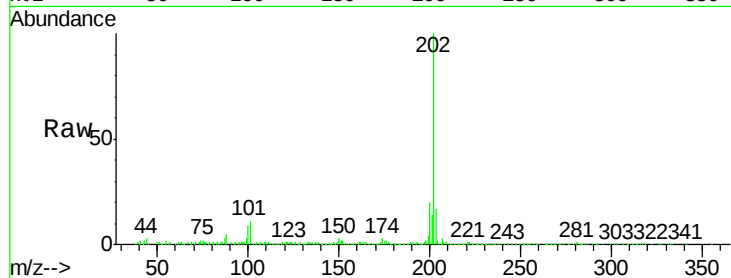




#16
Fluoranthene
Concen: 5.98 ng/ul
RT: 20.19 min Scan# 2907
Delta R.T. 0.00 min
Lab File: BM002395.D
Acq: 13 Aug 2015 13:32

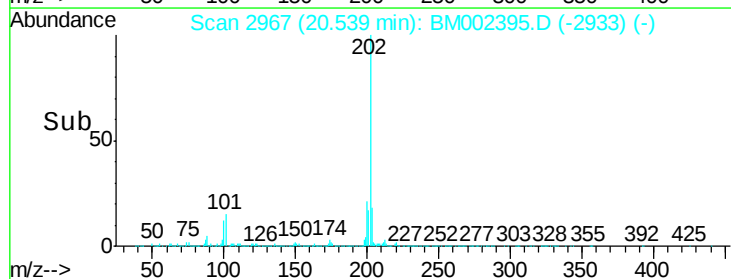
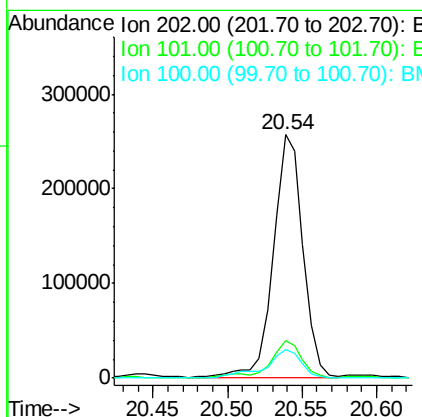
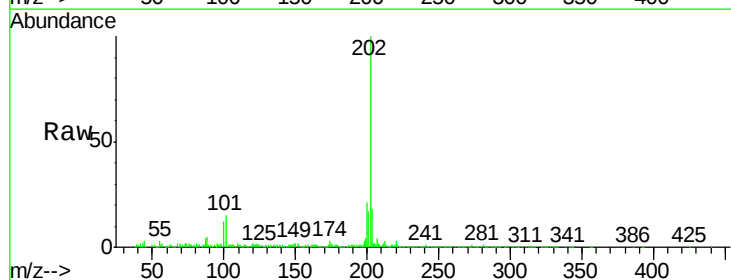
Instrument :
BNA_M
ClientSampleId :
SSTD02034

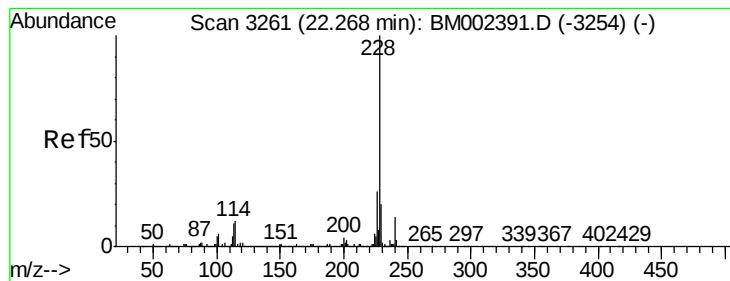
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	10.6	15.8
100	9.1	8.2	12.4



#19
Pyrene
Concen: 5.21 ng/ul
RT: 20.54 min Scan# 2967
Delta R.T. 0.00 min
Lab File: BM002395.D
Acq: 13 Aug 2015 13:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.3	13.0	19.6
100	11.7	11.0	16.4





#20

Benzo(a)anthracene

Concen: 4.45 ng/ul

RT: 22.27 min Scan# 3261

Delta R.T. 0.00 min

Lab File: BM002395.D

Acq: 13 Aug 2015 13:32

Instrument :

BNA_M

ClientSampleId :

SSTD02034

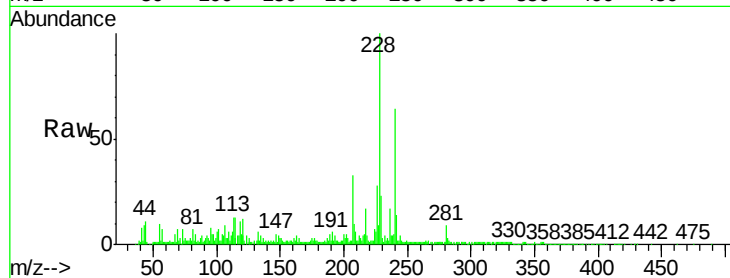
Tgt Ion:228 Resp: 283318

Ion Ratio Lower Upper

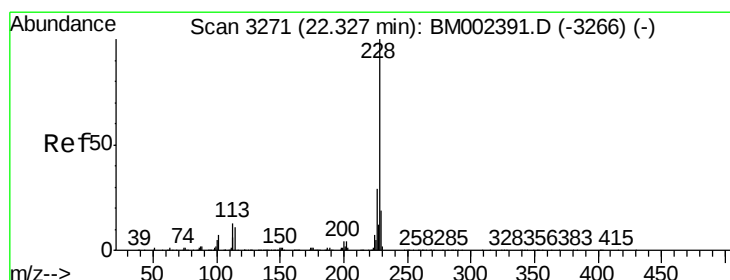
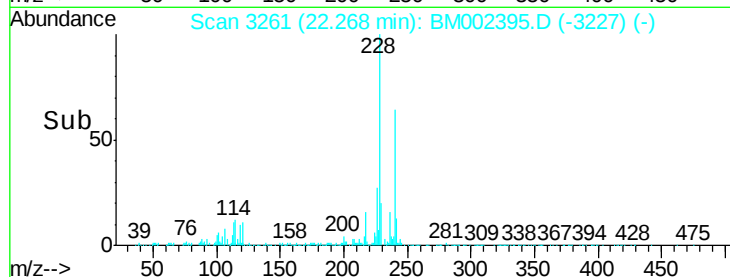
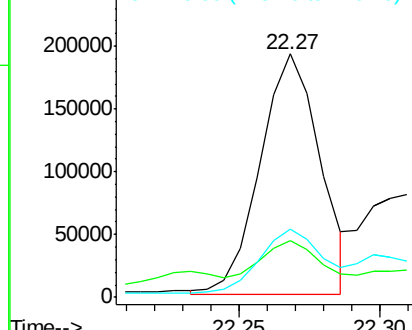
228 100

229 23.1 15.7 23.5

226 28.2 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



#21

Chrysene

Concen: 4.65 ng/ul

RT: 22.27 min Scan# 3261

Delta R.T. -0.06 min

Lab File: BM002395.D

Acq: 13 Aug 2015 13:32

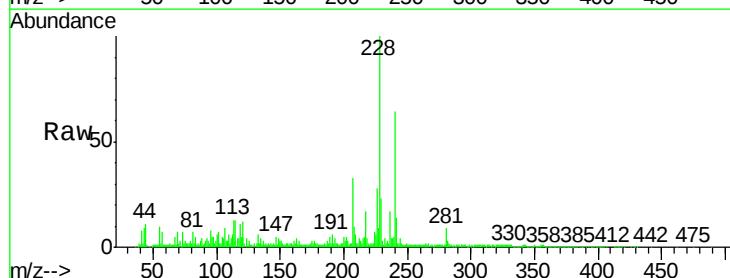
Tgt Ion:228 Resp: 280596

Ion Ratio Lower Upper

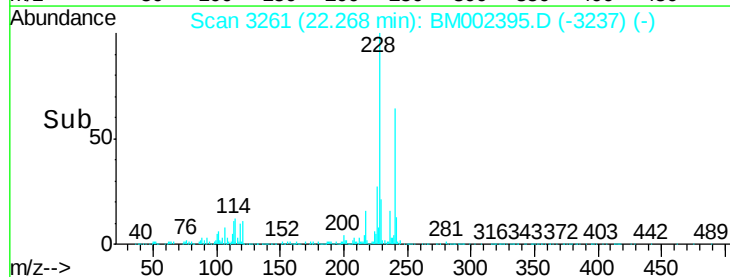
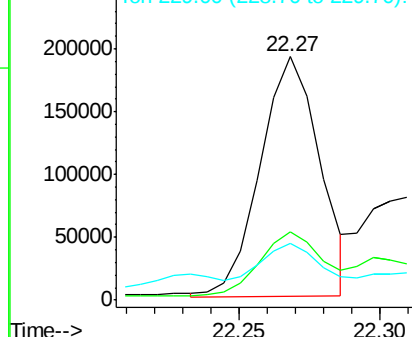
228 100

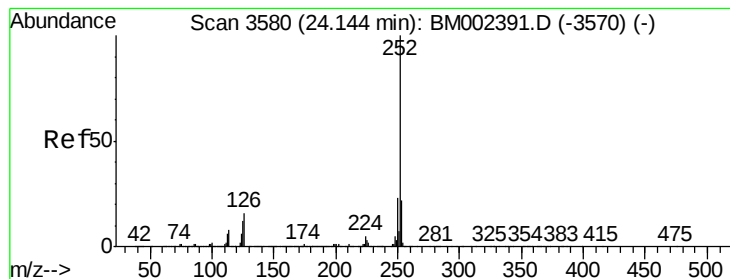
226 28.2 23.4 35.0

229 23.1 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





#23

Benzo(b)fluoranthene

Concen: 7.93 ng/ul

RT: 24.15 min Scan# 3581

Delta R.T. 0.01 min

Lab File: BM002395.D

Acq: 13 Aug 2015 13:32

Instrument :

BNA_M

ClientSampleId :

SSTD02034

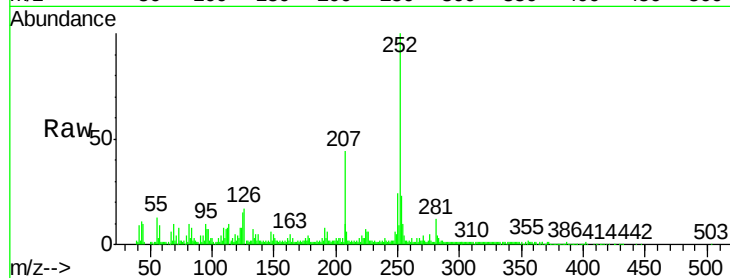
Tgt Ion:252 Resp: 324556

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

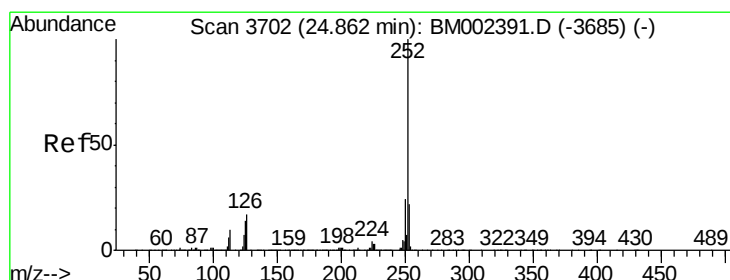
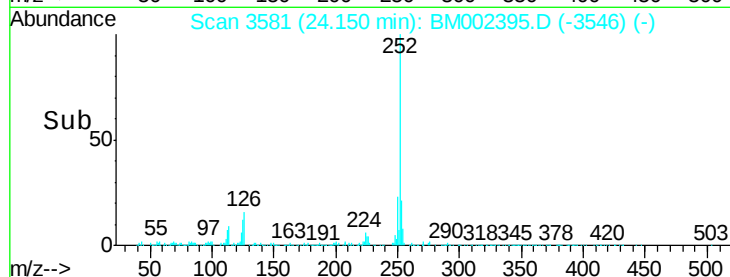
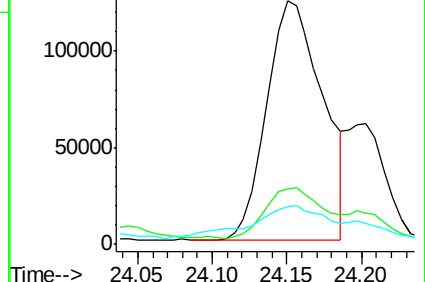
125 15.3 10.3 15.5



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: 5.50 ng/ul

RT: 24.87 min Scan# 3703

Delta R.T. 0.01 min

Lab File: BM002395.D

Acq: 13 Aug 2015 13:32

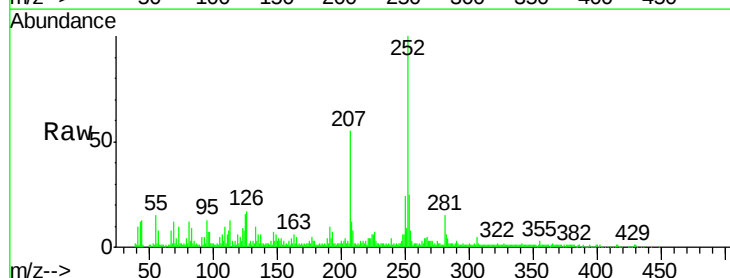
Tgt Ion:252 Resp: 215424

Ion Ratio Lower Upper

252 100

253 24.6 17.3 25.9

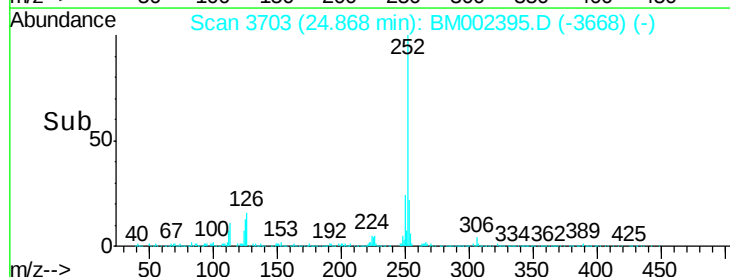
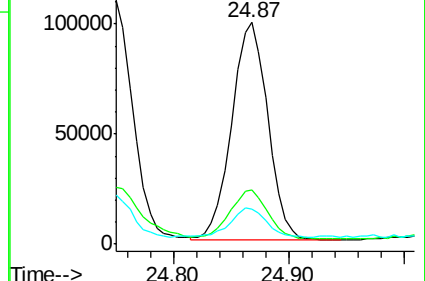
125 16.1 11.0 16.6

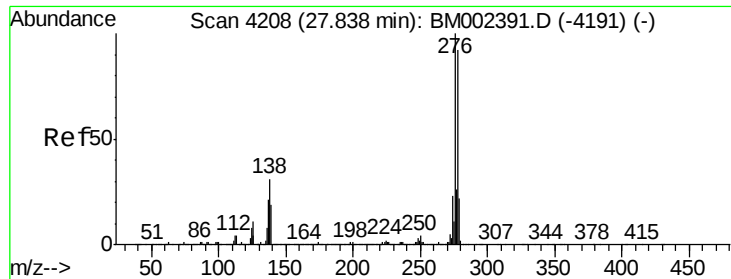


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

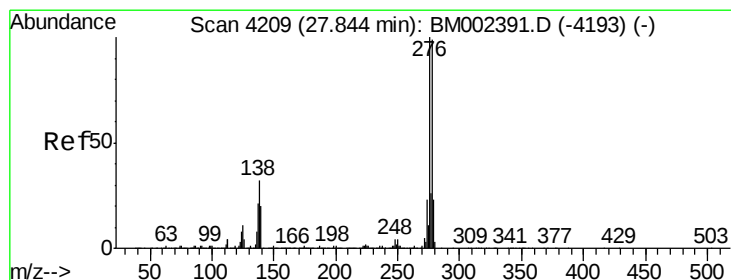
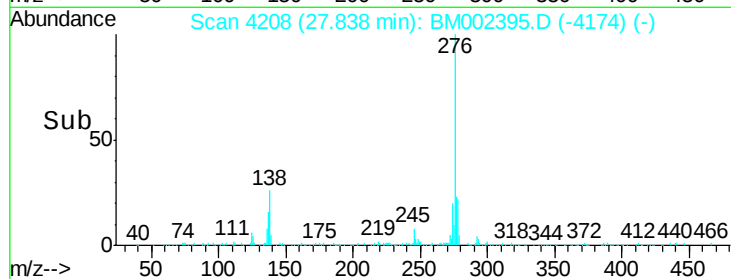
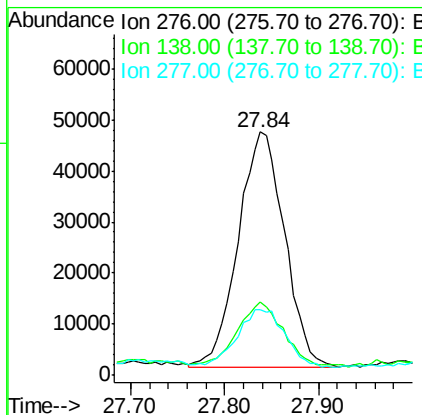
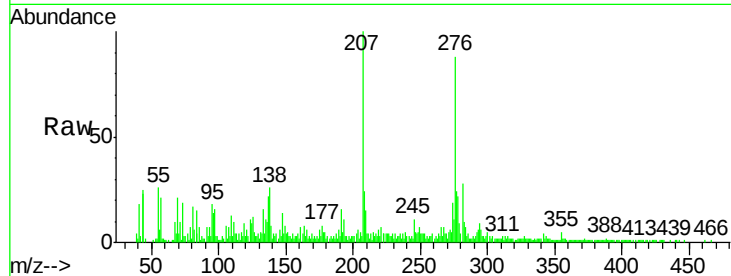




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 3.52 ng/ul
 RT: 27.84 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: BM002395.D
 Acq: 13 Aug 2015 13:32

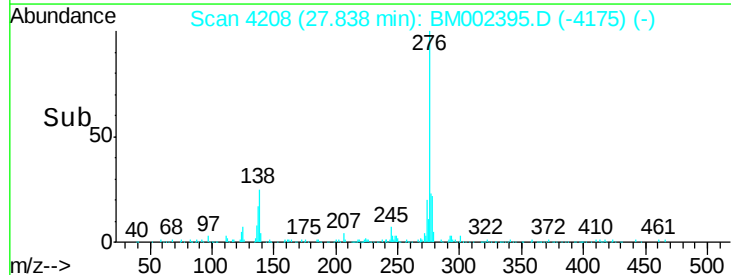
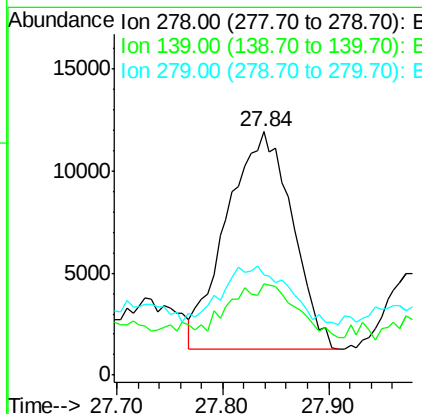
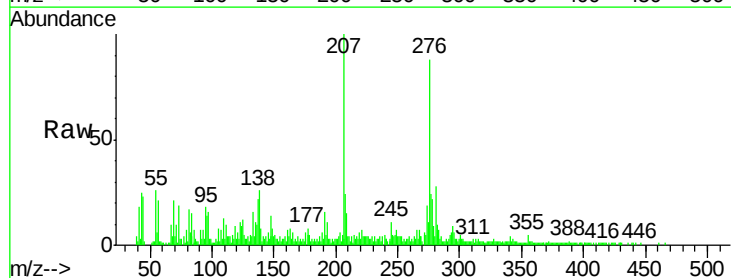
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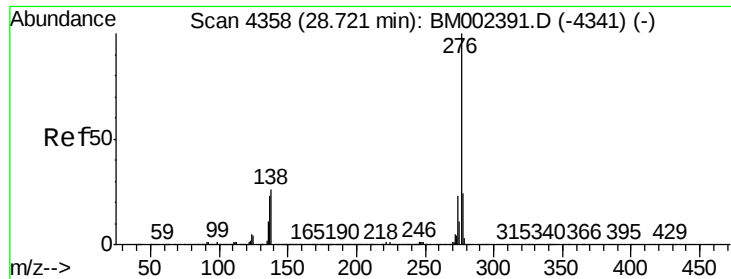
Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.9	25.6	38.4
277	26.8	21.0	31.4



#28
 Dibenzo(a,h)anthracene
 Concen: 1.21 ng/ul
 RT: 27.84 min Scan# 4208
 Delta R.T. -0.01 min
 Lab File: BM002395.D
 Acq: 13 Aug 2015 13:32

Tgt Ion	Ratio	Lower	Upper
278	100		
139	37.6	16.4	24.6#
279	41.3	18.8	28.2#





#29

Benzo(g,h,i)perylene

Concen: 5.35 ng/ul

RT: 28.74 min Scan# 4361

Delta R.T. 0.02 min

Lab File: BM002395.D

Acq: 13 Aug 2015 13:32

Instrument :

BNA_M

ClientSampleId :

SSTD02034

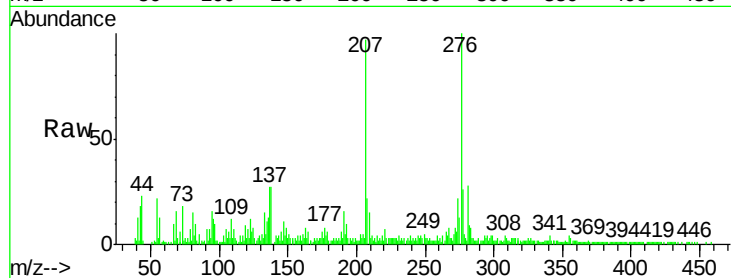
Tgt Ion: 276 Resp: 202588

Ion Ratio Lower Upper

276 100

138 26.7 20.5 30.7

277 26.3 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

