

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM083115\
 Data File : BM002637.D
 Acq On : 01 Sep 2015 20:23
 Operator : UM/IZ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02069

Quant Time: Sep 02 00:46:23 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 02 00:45:29 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	133153	20.00	ng/ul	0.00
2) Naphthalene-d8	11.65	136	595522	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.37	164	337083	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.08	188	620467	20.00	ng/ul	0.00
17) Chrysene-d12	22.16	240	472044	20.00	ng/ul	0.00
22) Perylene-d12	24.79	264	483024	20.00	ng/ul	0.00

System Monitoring Compounds

7) Acenaphthylene-d8	15.07	160	648900	18.83	ng/ul	0.00
10) Fluorene-d10	16.34	176	408119	16.86	ng/ul	0.00
14) Anthracene-d10	18.18	188	558779	18.67	ng/ul	0.00
18) Pyrene-d10	20.40	212	457407	21.86	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.62	264	477950	18.84	ng/ul	0.00

Target Compounds

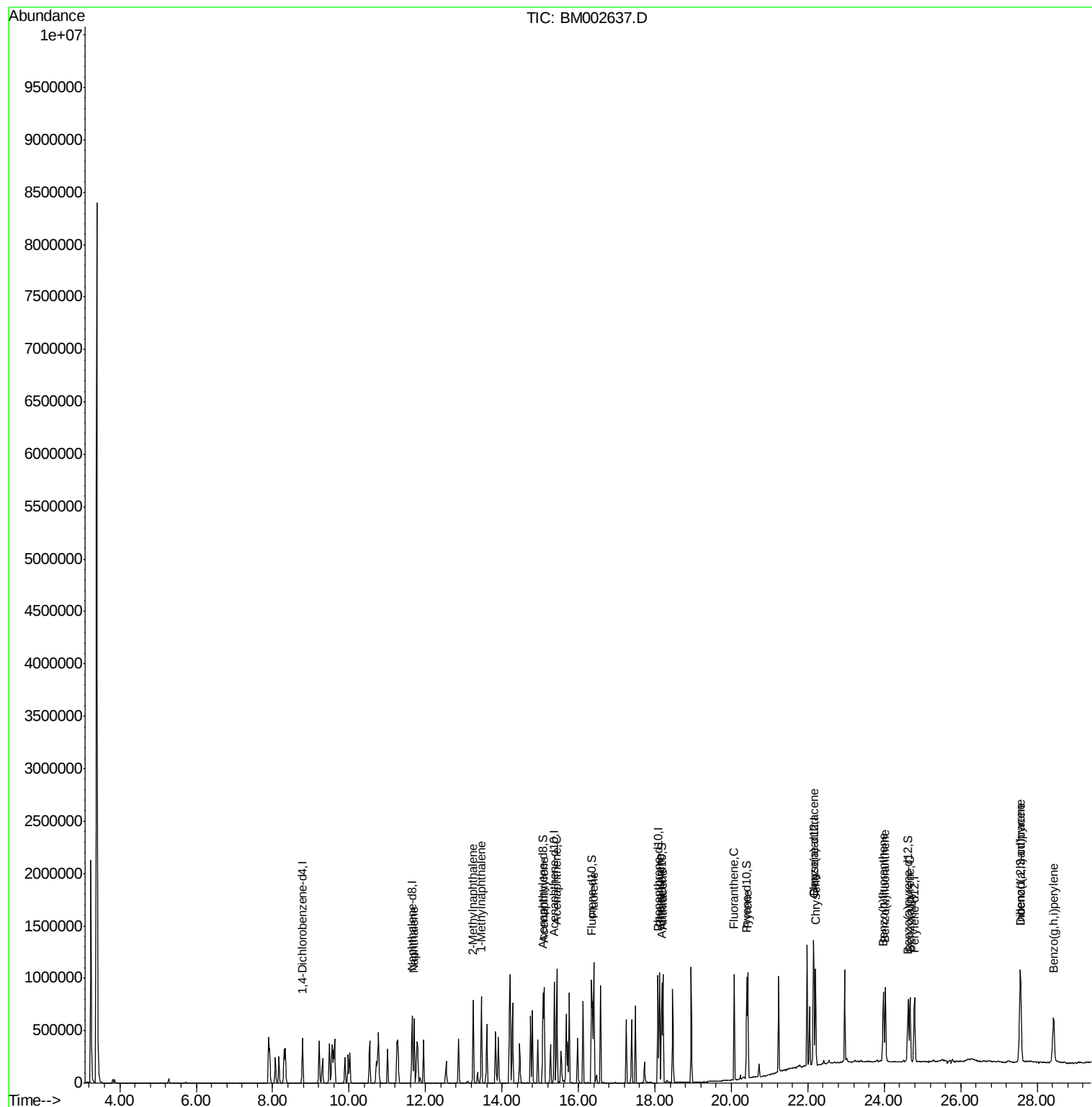
						Qvalue
3) Naphthalene	11.70	128	568062	18.69	ng/ul	99
4) 2-Methylnaphthalene	13.25	142	408516	17.94	ng/ul	98
5) 1-Methylnaphthalene	13.46	142	402583	17.87	ng/ul	99
8) Acenaphthylene	15.10	152	678082	18.80	ng/ul	99
9) Acenaphthene	15.43	153	452994	19.06	ng/ul	99
11) Fluorene	16.40	166	458614	16.84	ng/ul	100
13) Phenanthrene	18.12	178	675376	18.85	ng/ul	100
15) Anthracene	18.22	178	677975	18.67	ng/ul	99
16) Fluoranthene	20.07	202	609696	15.03	ng/ul	98
19) Pyrene	20.43	202	607819	21.98	ng/ul	97
20) Benzo(a)anthracene	22.14	228	532018	18.85	ng/ul	99
21) Chrysene	22.20	228	497162	18.83	ng/ul	100
23) Benzo(b)fluoranthene	23.98	252	542553	18.58	ng/ul	99
24) Benzo(k)fluoranthene	24.03	252	515862	18.64	ng/ul	98
26) Benzo(a)pyrene	24.67	252	525103	18.83	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	27.56	276	629890	19.64	ng/ul	97
28) Dibenzo(a,h)anthracene	27.56	278	533225	19.89	ng/ul	98
29) Benzo(g,h,i)perylene	28.43	276	530409	19.87	ng/ul	98

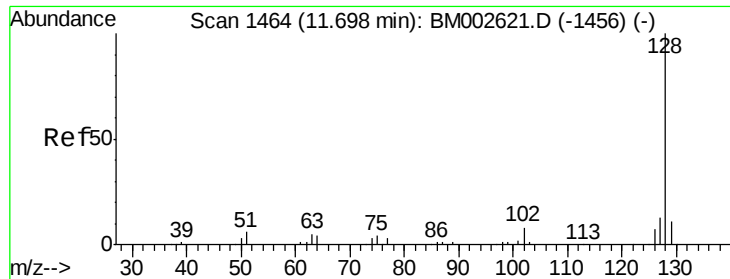
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 18.69 ng/ul

RT: 11.70 min Scan# 1464

Delta R.T. 0.00 min

Lab File: BM002637.D

Acq: 01 Sep 2015 20:23

Instrument :

BNA_M

ClientSampleId :

SSTD02069

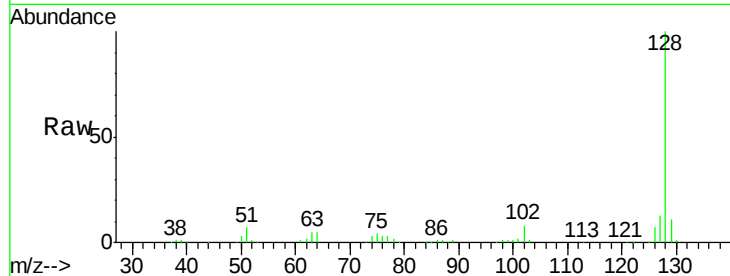
Tgt Ion:128 Resp: 568062

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

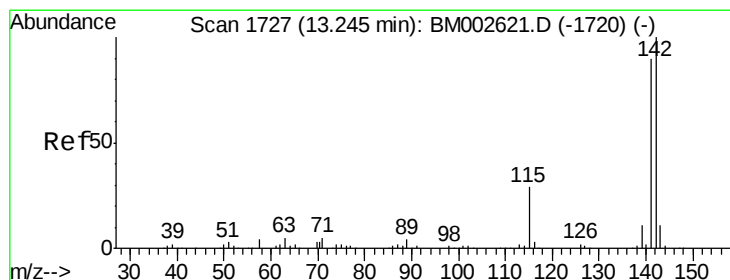
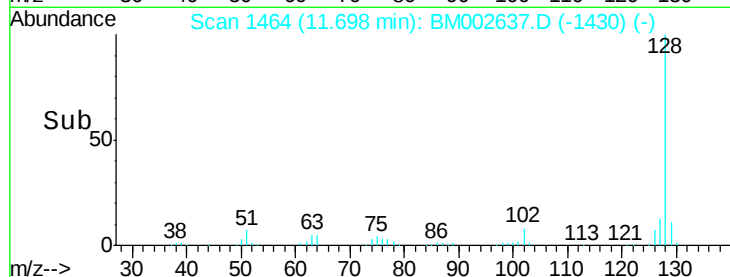
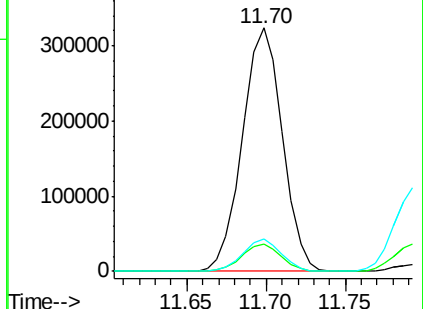
127 13.2 10.4 15.6



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: 17.94 ng/ul

RT: 13.25 min Scan# 1727

Delta R.T. 0.00 min

Lab File: BM002637.D

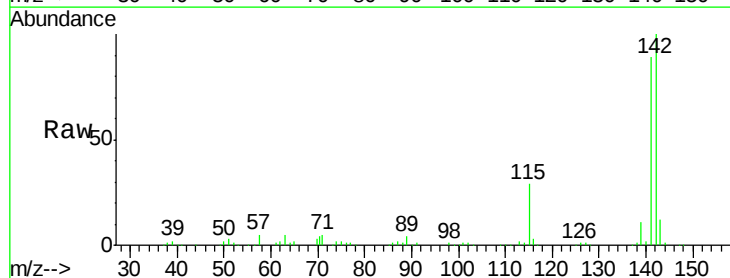
Acq: 01 Sep 2015 20:23

Tgt Ion:142 Resp: 408516

Ion Ratio Lower Upper

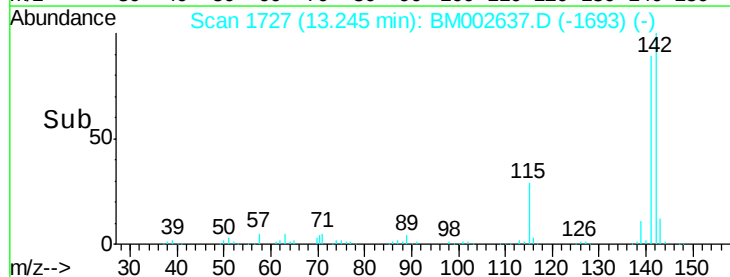
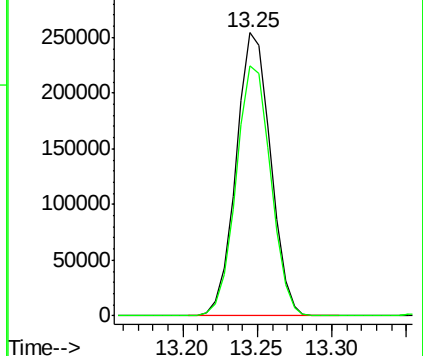
142 100

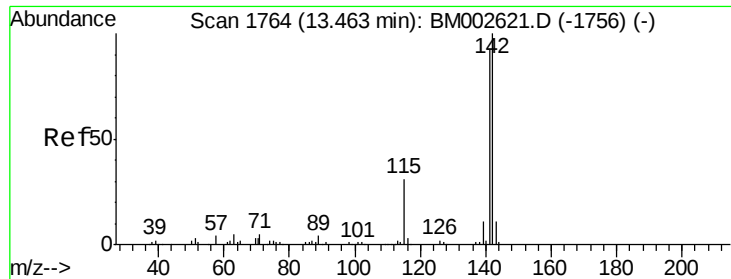
141 88.5 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 17.87 ng/ul

RT: 13.46 min Scan# 1764

Delta R.T. 0.00 min

Lab File: BM002637.D

Acq: 01 Sep 2015 20:23

Instrument :

BNA_M

ClientSampleId :

SSTD02069

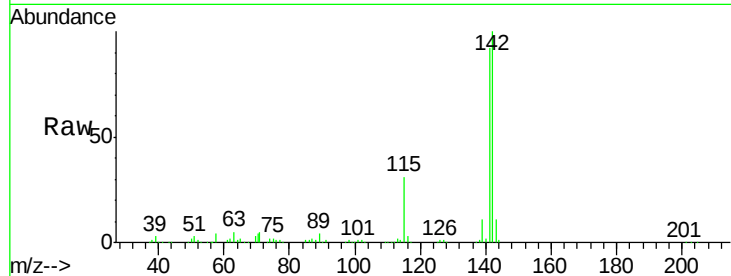
Tgt Ion:142 Resp: 402583

Ion Ratio Lower Upper

142 100

141 91.9 73.9 110.9

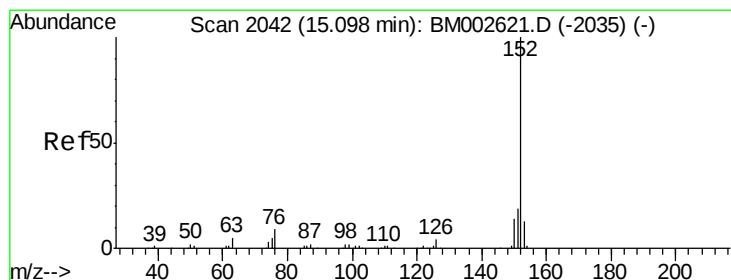
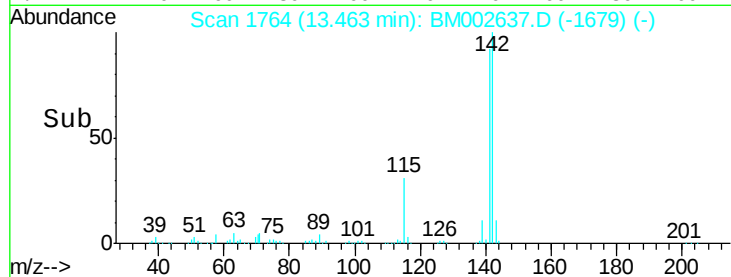
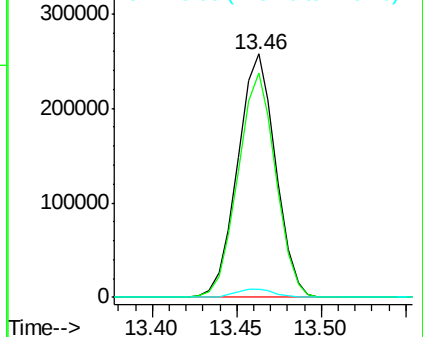
116 3.4 3.0 4.4



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: 18.80 ng/ul

RT: 15.10 min Scan# 2043

Delta R.T. 0.01 min

Lab File: BM002637.D

Acq: 01 Sep 2015 20:23

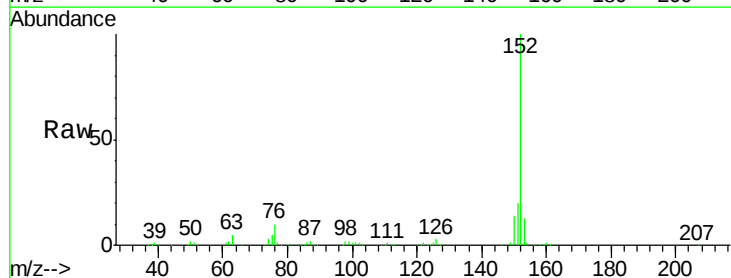
Tgt Ion:152 Resp: 678082

Ion Ratio Lower Upper

152 100

151 20.0 15.7 23.5

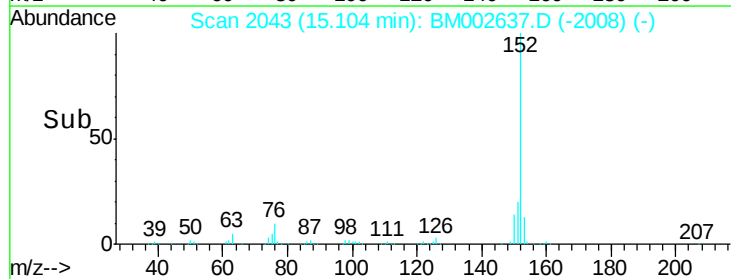
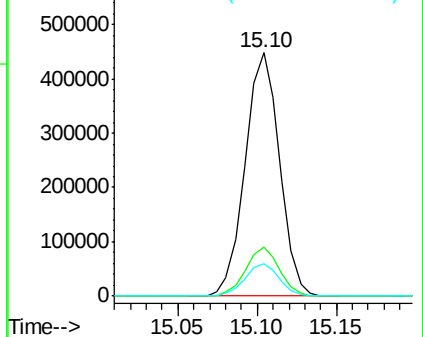
153 13.1 10.2 15.4

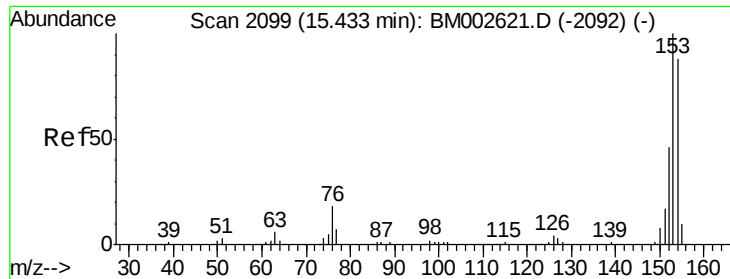


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 19.06 ng/ul

RT: 15.43 min Scan# 2099

Delta R.T. 0.00 min

Lab File: BM002637.D

Acq: 01 Sep 2015 20:23

Instrument :

BNA_M

ClientSampleId :

SSTD02069

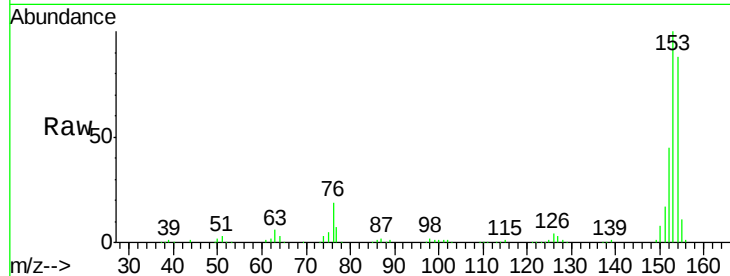
Tgt Ion:153 Resp: 452994

Ion Ratio Lower Upper

153 100

152 45.0 36.9 55.3

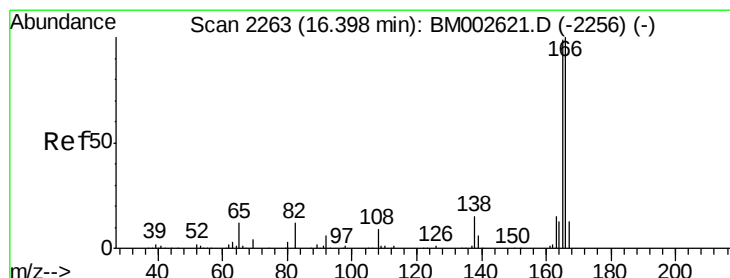
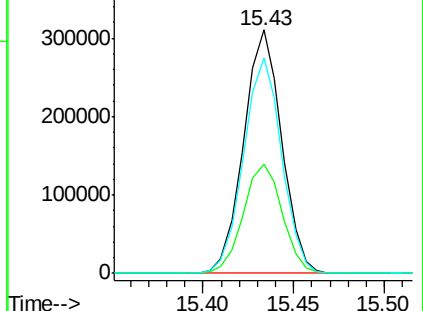
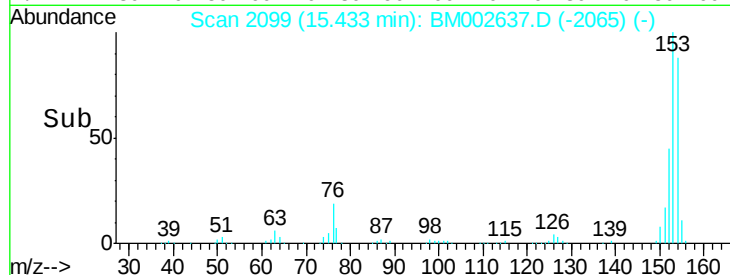
154 88.4 71.3 106.9



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: 16.84 ng/ul

RT: 16.40 min Scan# 2263

Delta R.T. 0.00 min

Lab File: BM002637.D

Acq: 01 Sep 2015 20:23

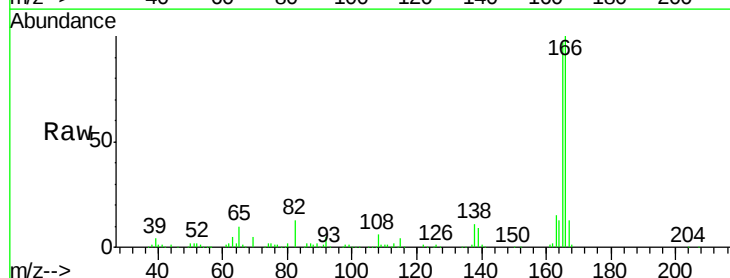
Tgt Ion:166 Resp: 458614

Ion Ratio Lower Upper

166 100

165 97.2 77.6 116.4

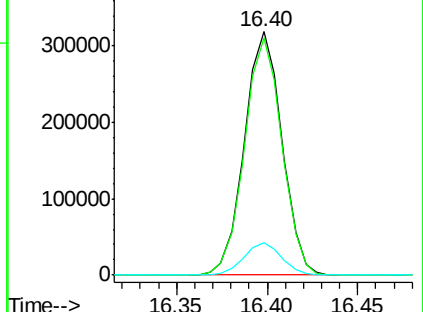
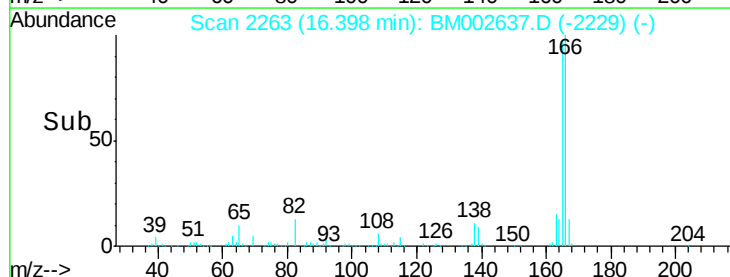
167 13.1 10.7 16.1

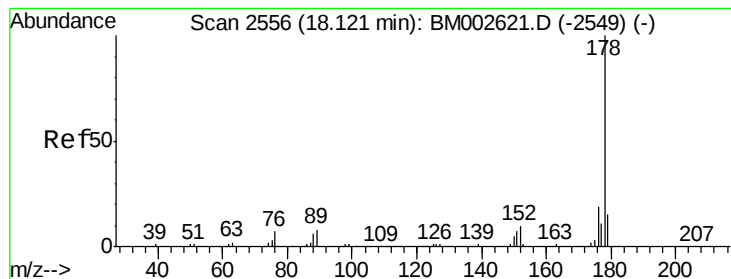


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 18.85 ng/u1

RT: 18.12 min Scan# 2556

Delta R.T. 0.00 min

Lab File: BM002637.D

Acq: 01 Sep 2015 20:23

Instrument :

BNA_M

ClientSampleId :

SSTD02069

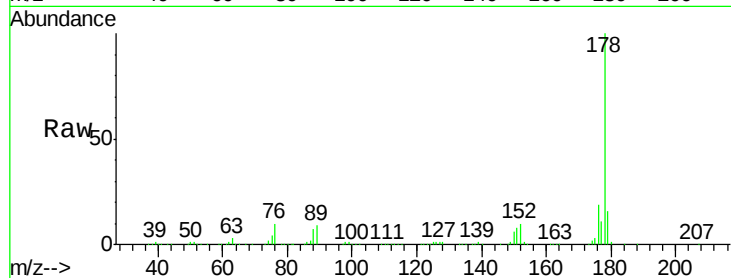
Tgt Ion:178 Resp: 675376

Ion Ratio Lower Upper

178 100

179 15.5 12.4 18.6

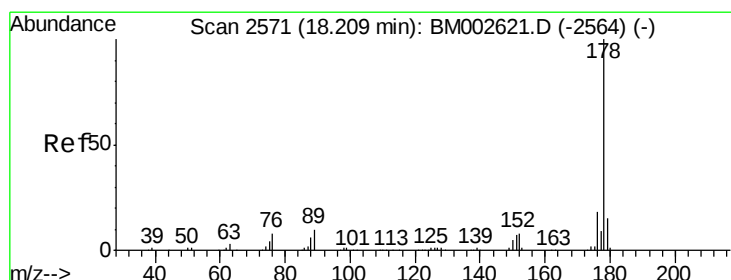
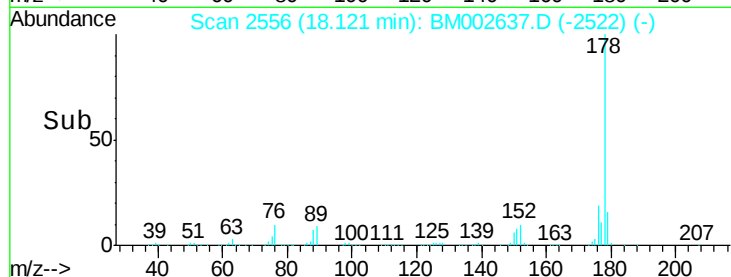
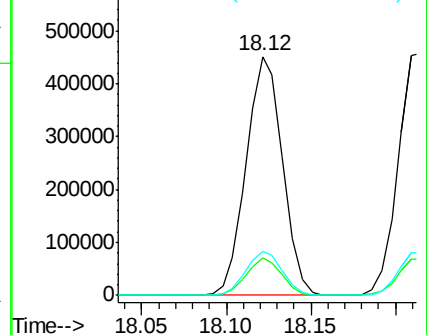
176 18.5 15.1 22.7



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: 18.67 ng/u1

RT: 18.22 min Scan# 2572

Delta R.T. 0.01 min

Lab File: BM002637.D

Acq: 01 Sep 2015 20:23

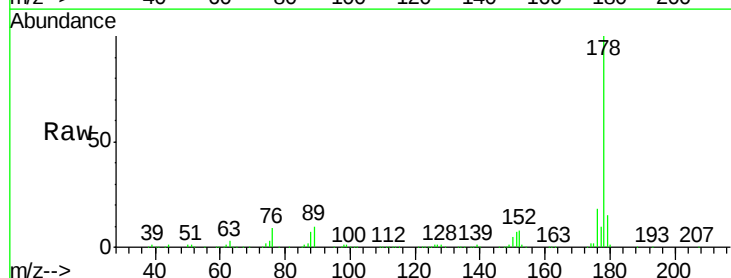
Tgt Ion:178 Resp: 677975

Ion Ratio Lower Upper

178 100

179 15.3 12.6 18.8

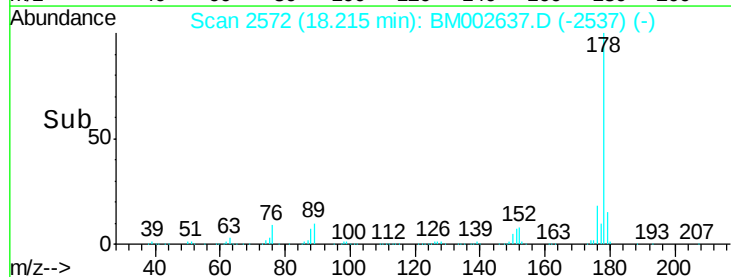
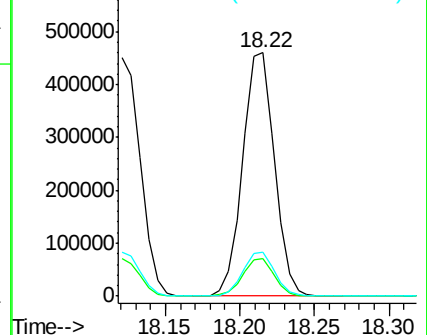
176 17.9 14.5 21.7

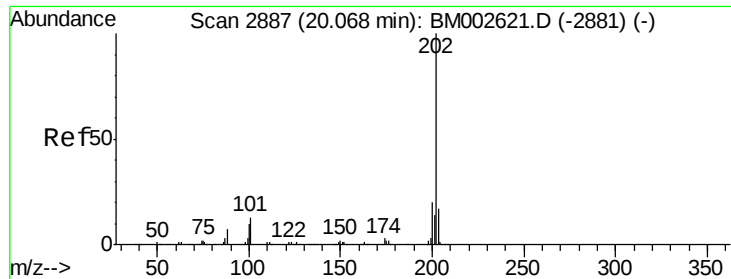


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 15.03 ng/ul

RT: 20.07 min Scan# 2888

Delta R.T. 0.01 min

Lab File: BM002637.D

Acq: 01 Sep 2015 20:23

Instrument :

BNA_M

ClientSampleId :

SSTD02069

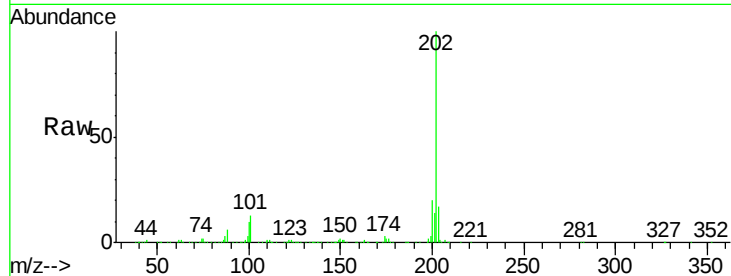
Tgt Ion:202 Resp: 609696

Ion Ratio Lower Upper

202 100

101 13.0 9.7 14.5

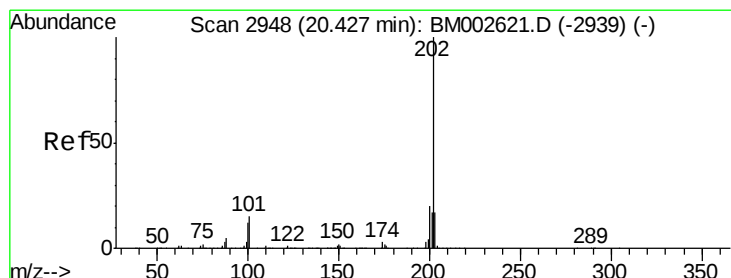
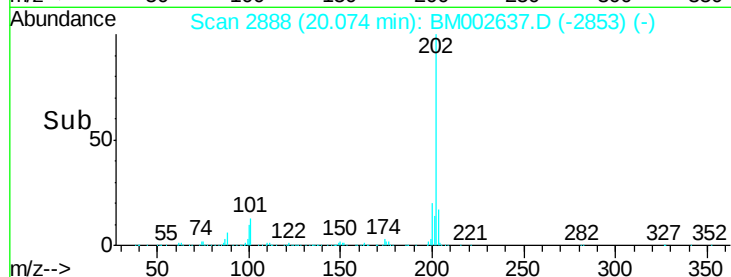
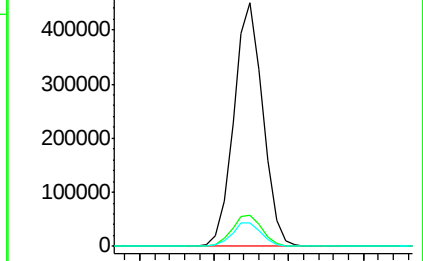
100 9.8 7.4 11.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#19

Pyrene

Concen: 21.98 ng/ul

RT: 20.43 min Scan# 2948

Delta R.T. 0.00 min

Lab File: BM002637.D

Acq: 01 Sep 2015 20:23

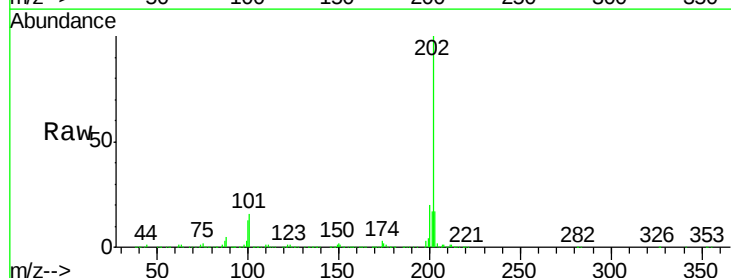
Tgt Ion:202 Resp: 607819

Ion Ratio Lower Upper

202 100

101 16.2 12.0 18.0

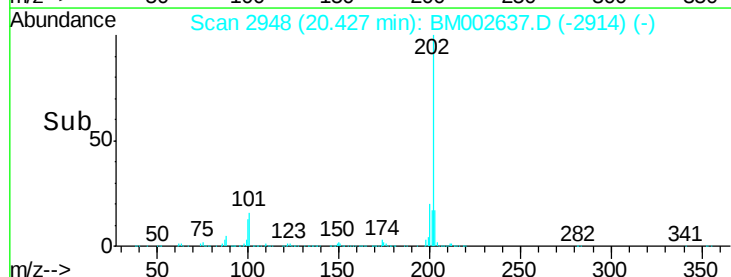
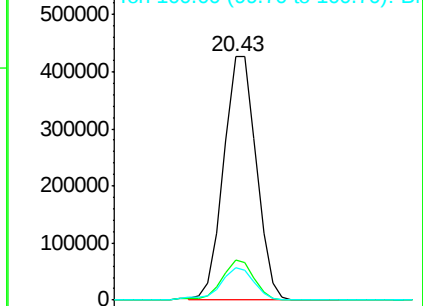
100 13.5 9.7 14.5

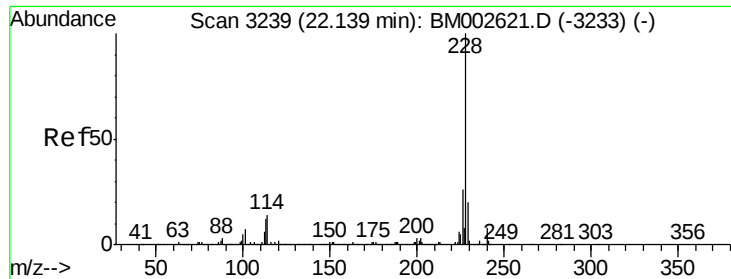


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

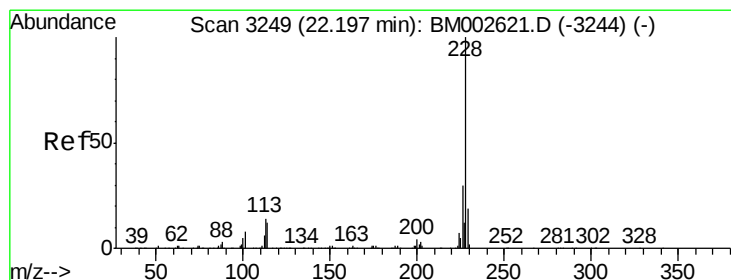
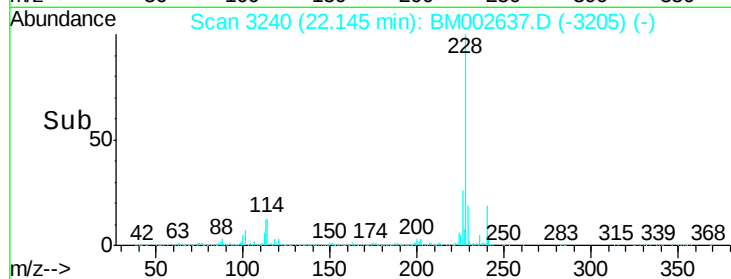
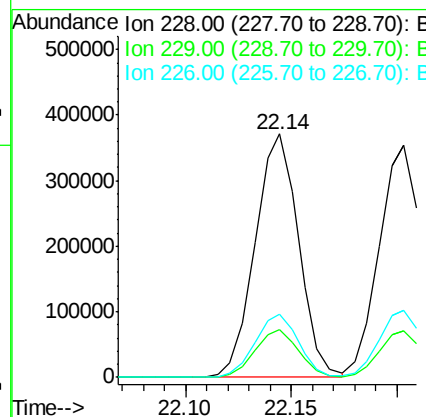
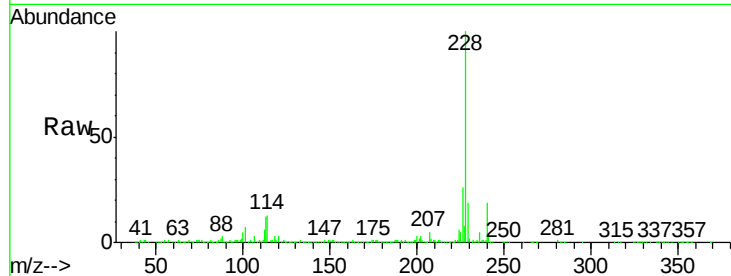




#20
Benzo(a)anthracene
Concen: 18.85 ng/ul
RT: 22.14 min Scan# 3240
Delta R.T. 0.01 min
Lab File: BM002637.D
Acq: 01 Sep 2015 20:23

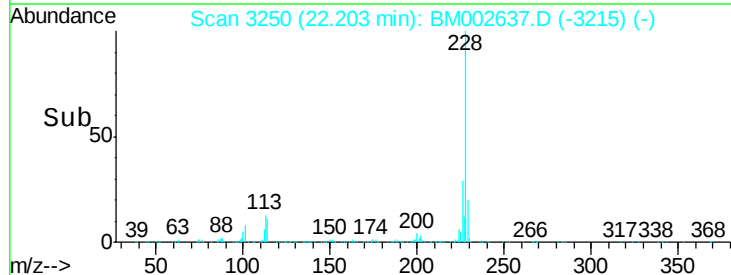
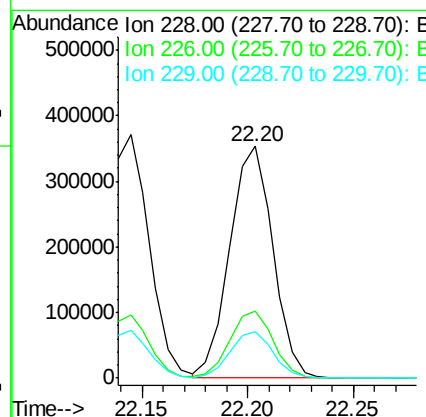
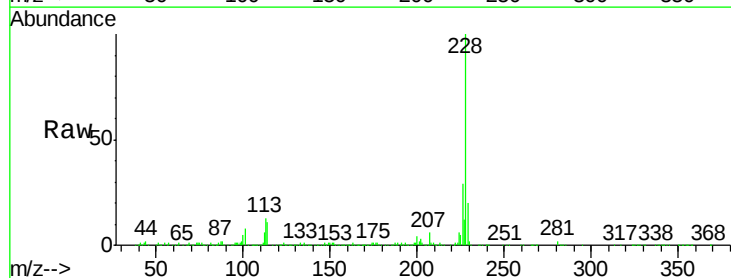
Instrument :
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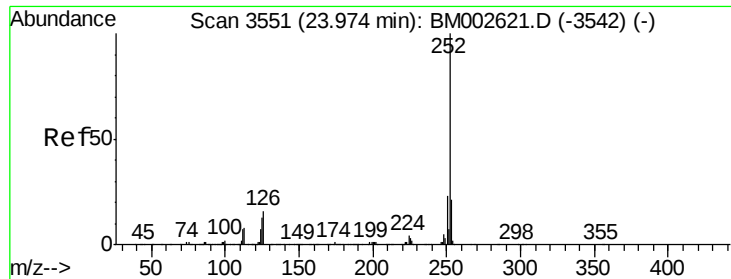
Tgt Ion: 228 Resp: 532018
Ion Ratio Lower Upper
228 100
229 19.4 15.8 23.6
226 26.0 21.1 31.7



#21
Chrysene
Concen: 18.83 ng/ul
RT: 22.20 min Scan# 3250
Delta R.T. 0.01 min
Lab File: BM002637.D
Acq: 01 Sep 2015 20:23

Tgt Ion: 228 Resp: 497162
Ion Ratio Lower Upper
228 100
226 29.0 23.4 35.2
229 19.8 15.7 23.5





#23

Benzo(b)fluoranthene

Concen: 18.58 ng/ul

RT: 23.98 min Scan# 3552

Delta R.T. 0.01 min

Lab File: BM002637.D

Acq: 01 Sep 2015 20:23

Instrument :

BNA_M

ClientSampleId :

SSTD02069

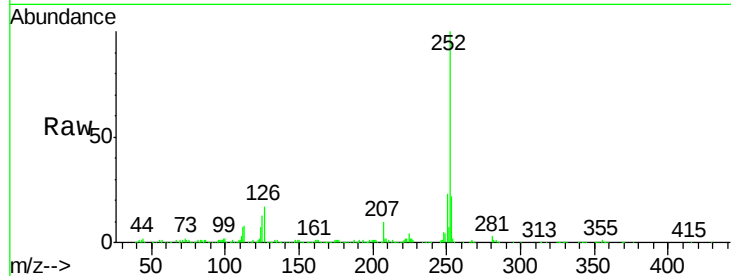
Tgt Ion:252 Resp: 542553

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

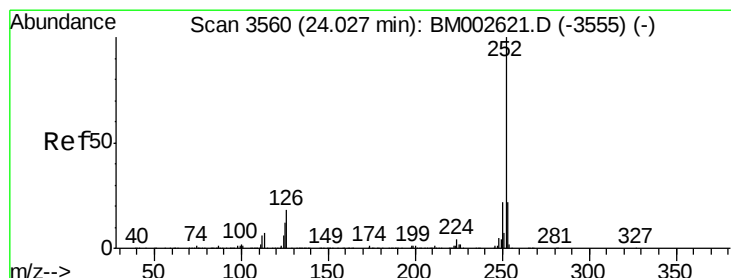
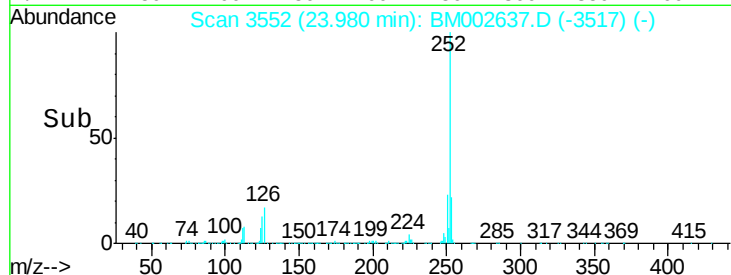
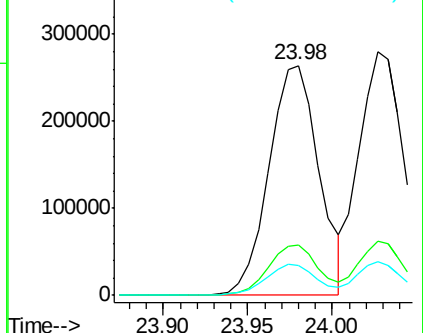
125 13.1 10.0 15.0



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: 18.64 ng/ul

RT: 24.03 min Scan# 3560

Delta R.T. 0.00 min

Lab File: BM002637.D

Acq: 01 Sep 2015 20:23

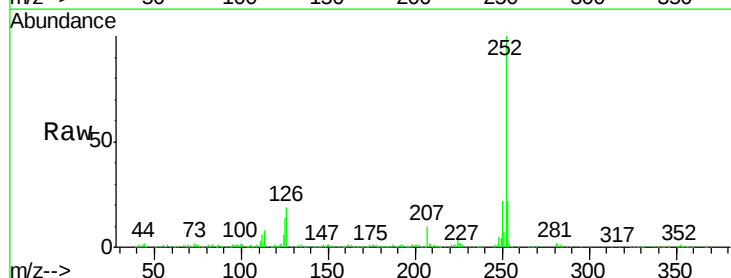
Tgt Ion:252 Resp: 515862

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

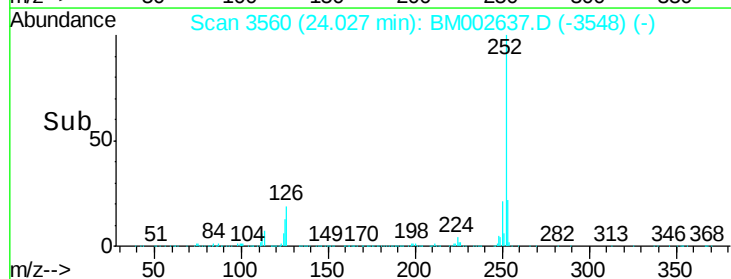
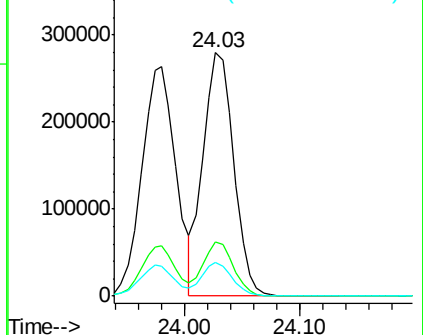
125 14.1 9.8 14.8

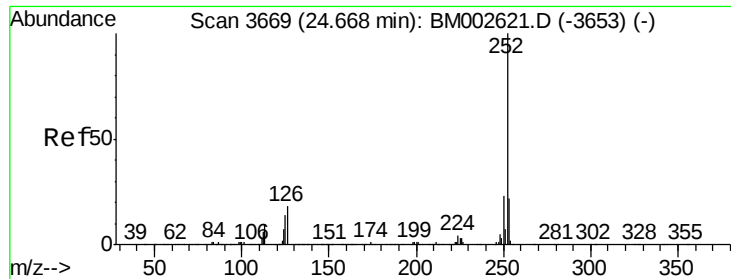


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

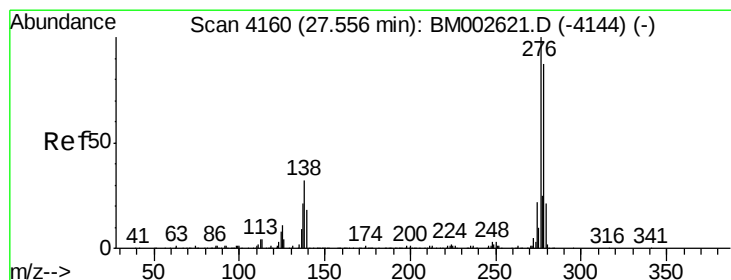
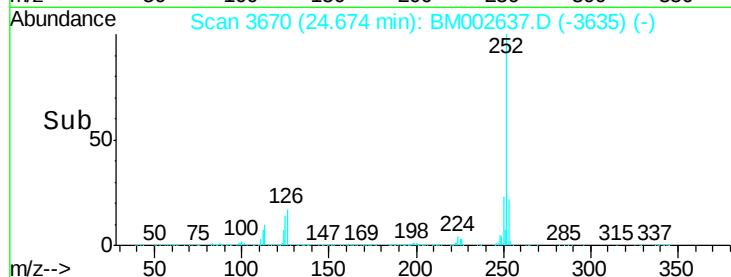
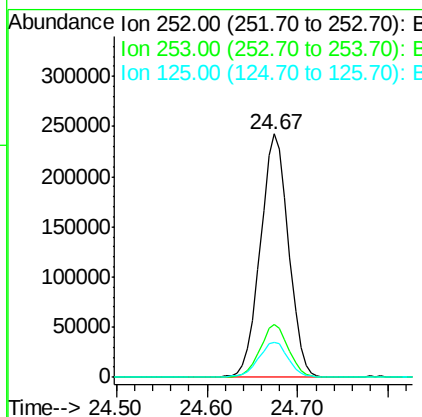
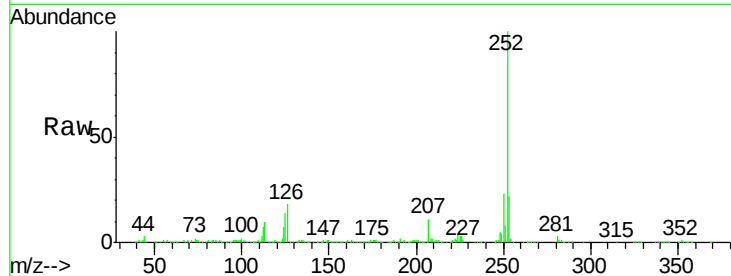




#26
Benzo(a)pyrene
Concen: 18.83 ng/ul
RT: 24.67 min Scan# 3670
Delta R.T. 0.01 min
Lab File: BM002637.D
Acq: 01 Sep 2015 20:23

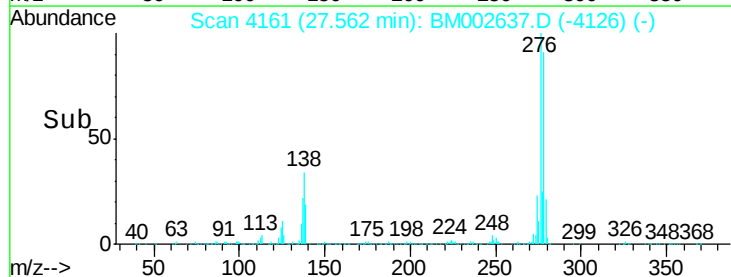
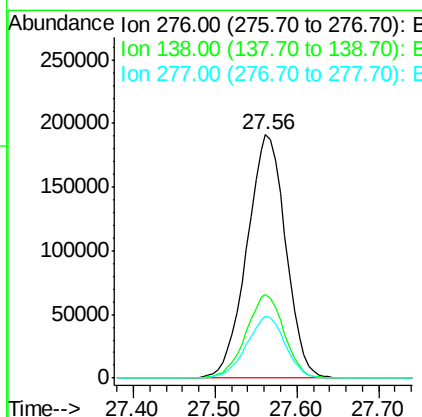
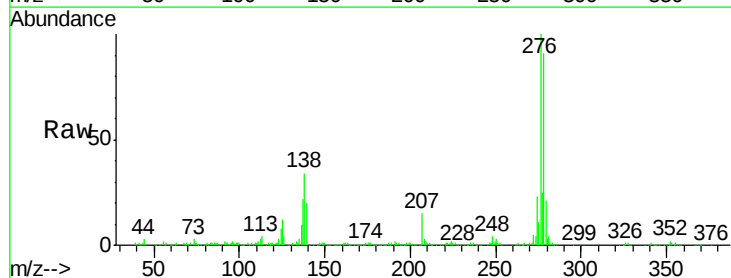
Instrument :
BNA_M
ClientSampleId :
SSTD02069

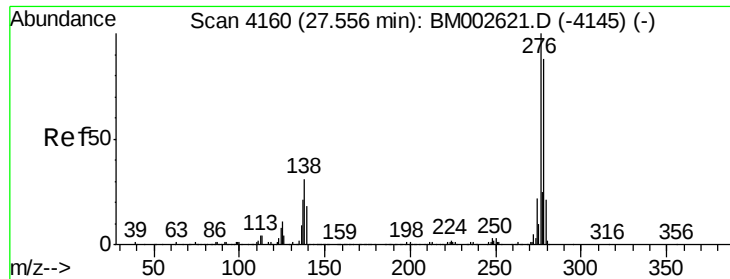
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	14.2	10.7	16.1



#27
Indeno(1,2,3-cd)pyrene
Concen: 19.64 ng/ul
RT: 27.56 min Scan# 4161
Delta R.T. 0.01 min
Lab File: BM002637.D
Acq: 01 Sep 2015 20:23

Tgt Ion	Ratio	Lower	Upper
276	100		
138	34.2	25.3	37.9
277	25.3	20.2	30.2





#28

Dibenzo(a,h)anthracene

Concen: 19.89 ng/ul

RT: 27.56 min Scan# 4161

Delta R.T. 0.01 min

Lab File: BM002637.D

Acq: 01 Sep 2015 20:23

Instrument :

BNA_M

ClientSampleId :

SSTD02069

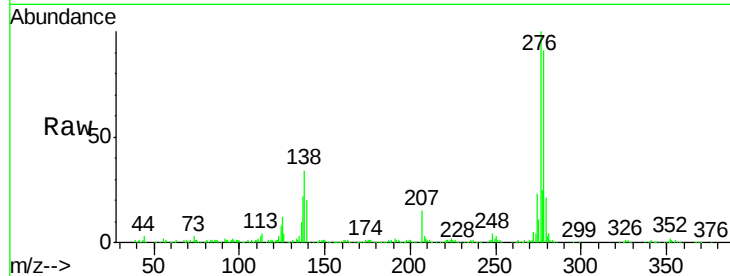
Tgt Ion:278 Resp: 533225

Ion Ratio Lower Upper

278 100

139 21.4 16.5 24.7

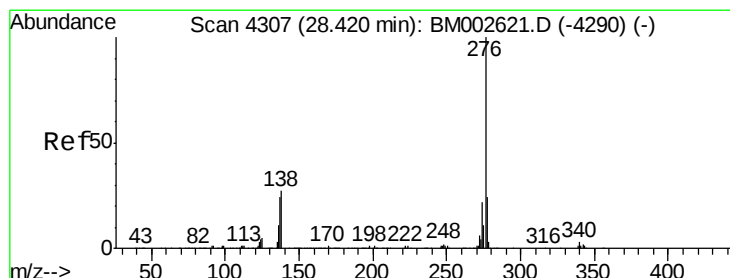
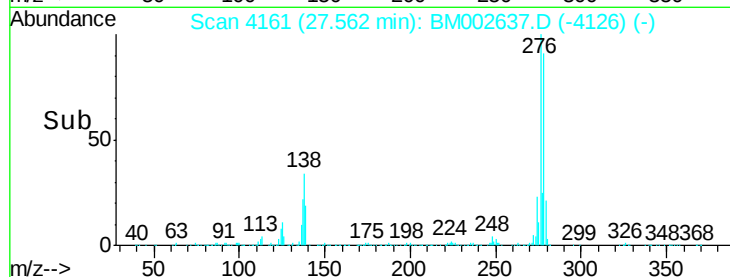
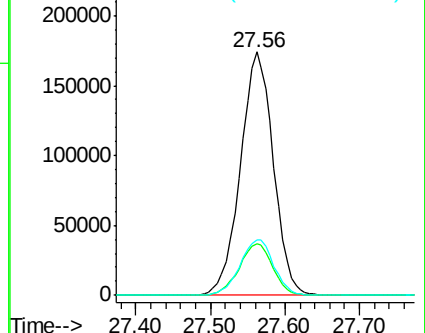
279 22.8 18.8 28.2



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: 19.87 ng/ul

RT: 28.43 min Scan# 4309

Delta R.T. 0.01 min

Lab File: BM002637.D

Acq: 01 Sep 2015 20:23

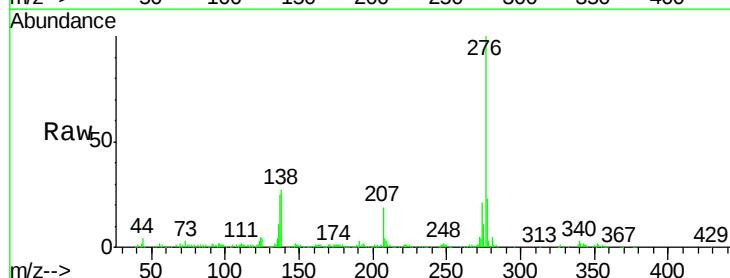
Tgt Ion:276 Resp: 530409

Ion Ratio Lower Upper

276 100

138 27.1 21.0 31.6

277 22.9 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

