

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081215\
 Data File : BM002336.D
 Acq On : 11 Aug 2015 23:30
 Operator : UM/IZ
 Sample : SSTDC0020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02024

Quant Time: Aug 12 02:23:10 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 12 02:22:13 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	193160	20.00	ng/ul	0.00
2) Naphthalene-d8	11.77	136	906473	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.48	164	490978	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.19	188	1023000	20.00	ng/ul	0.00
17) Chrysene-d12	22.28	240	987096	20.00	ng/ul	0.00
22) Perylene-d12	24.97	264	799655	20.00	ng/ul	-0.01

System Monitoring Compounds						
7) Acenaphthylene-d8	15.19	160	1021689	20.09	ng/ul	0.00
10) Fluorene-d10	16.45	176	703554	19.89	ng/ul	0.00
14) Anthracene-d10	18.29	188	1008409	20.31	ng/ul	0.00
18) Pyrene-d10	20.50	212	1010436	21.11	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.79	264	862978	20.32	ng/ul	-0.01

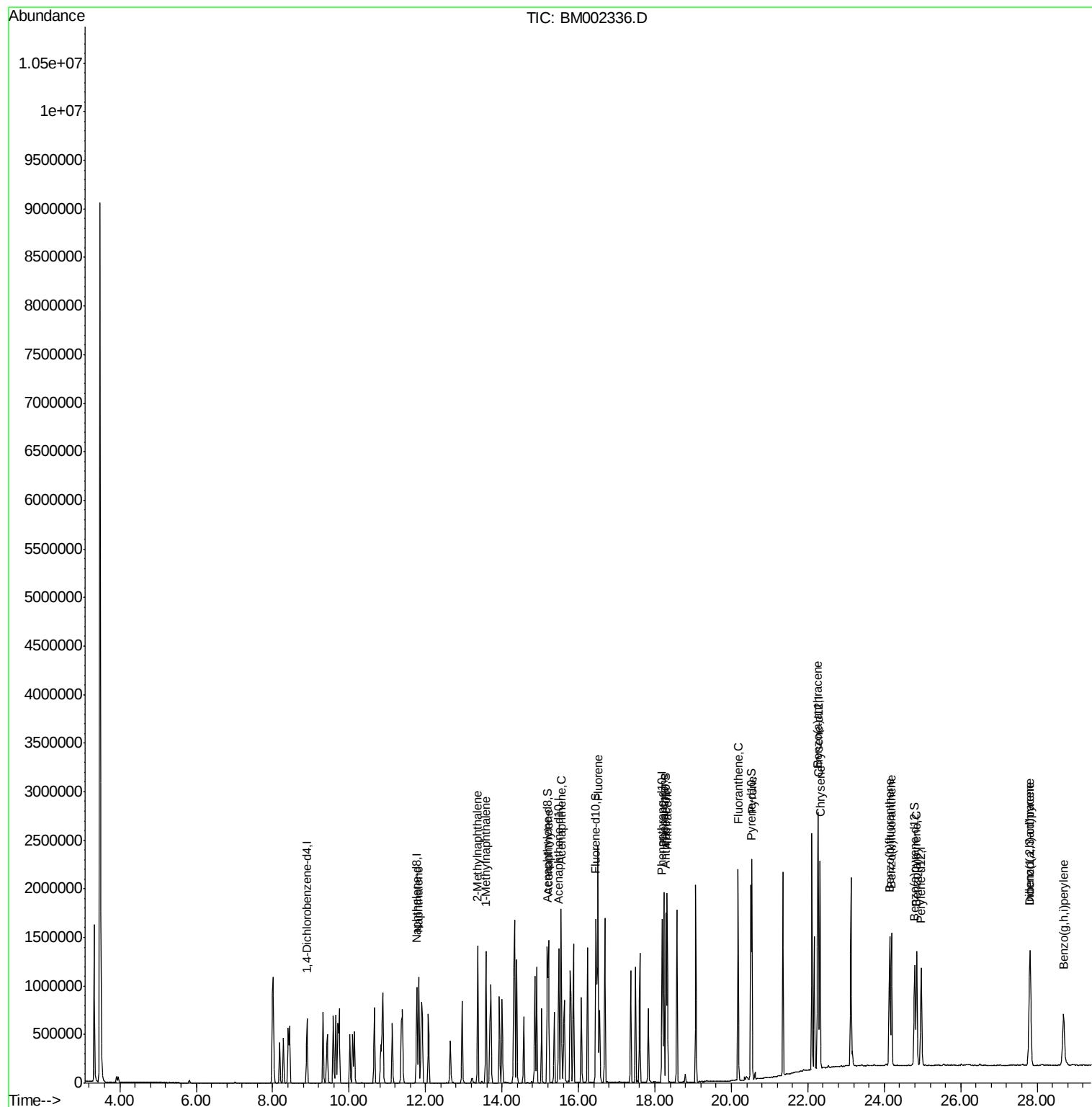
Target Compounds				Ovalue		
3) Naphthalene	11.82	128	954884	20.01	ng/ul	99
4) 2-Methylnaphthalene	13.36	142	674440	19.78	ng/ul	97
5) 1-Methylnaphthalene	13.58	142	665539	19.80	ng/ul	98
8) Acenaphthylene	15.22	152	1068032	20.23	ng/ul	100
9) Acenaphthene	15.54	153	711189	20.02	ng/ul	100
11) Fluorene	16.51	166	799940	20.00	ng/ul	99
13) Phenanthrene	18.23	178	1184658	20.12	ng/ul	100
15) Anthracene	18.32	178	1223028	20.11	ng/ul	100
16) Fluoranthene	20.18	202	1292785	19.83	ng/ul	99
19) Pyrene	20.53	202	1346296	21.10	ng/ul	99
20) Benzo(a)anthracene	22.26	228	1221102	20.27	ng/ul	99
21) Chrysene	22.32	228	1134142	19.86	ng/ul	99
23) Benzo(b)fluoranthene	24.14	252	1069319	21.51	ng/ul	99
24) Benzo(k)fluoranthene	24.19	252	1042787	21.85	ng/ul	99
26) Benzo(a)pyrene	24.85	252	974204	20.48	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	27.81	276	925035	16.97	ng/ul	98
28) Dibenzo(a,h)anthracene	27.82	278	787275	17.05	ng/ul	100
29) Benzo(g,h,i)perylene	28.69	276	744100	16.18	ng/ul	97

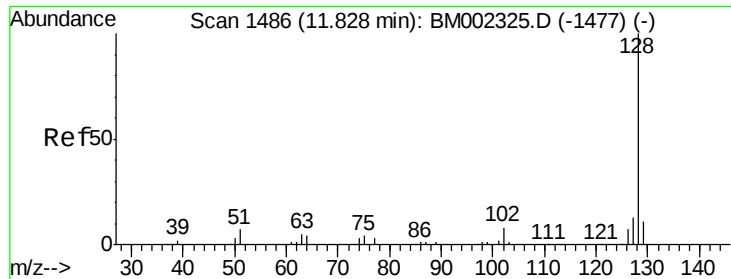
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081215\
Data File : BM002336.D
Acq On : 11 Aug 2015 23:30
Operator : UM/IZ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD02024

Quant Time: Aug 12 02:23:10 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080715MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 12 02:22:13 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 20.01 ng/ul

RT: 11.82 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BM002336.D

Acq: 11 Aug 2015 23:30

Instrument :

BNA_M

ClientSampleId :

SSTD02024

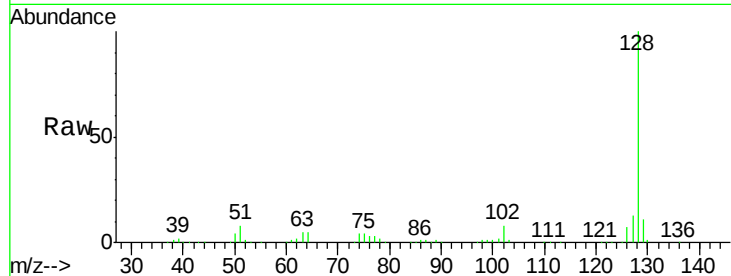
Tot Ion:128 Resp: 954884

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

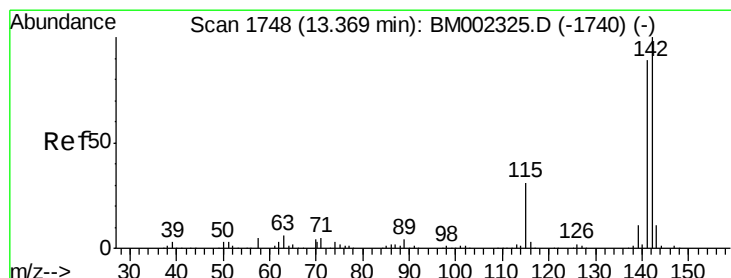
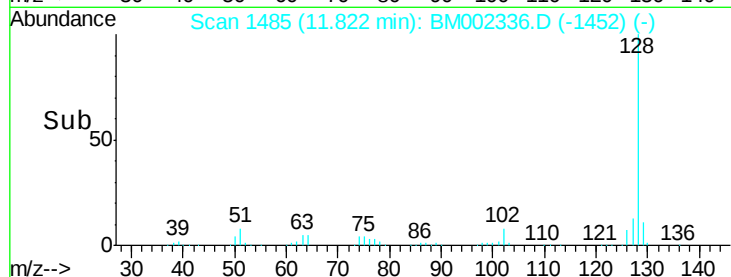
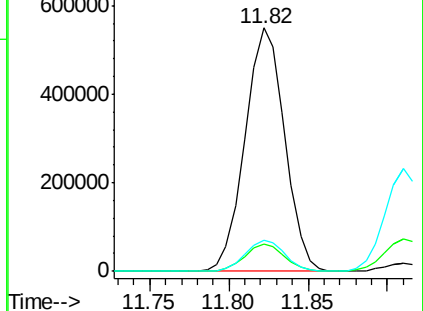
127 13.0 10.4 15.6



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: 19.78 ng/ul

RT: 13.36 min Scan# 1747

Delta R.T. -0.01 min

Lab File: BM002336.D

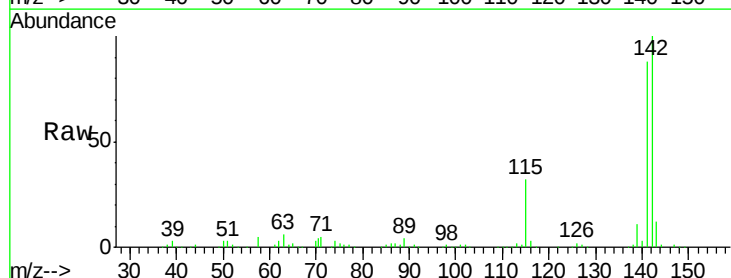
Acq: 11 Aug 2015 23:30

Tgt Ion:142 Resp: 674440

Ion Ratio Lower Upper

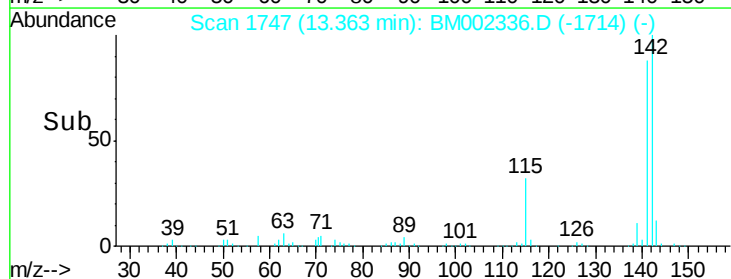
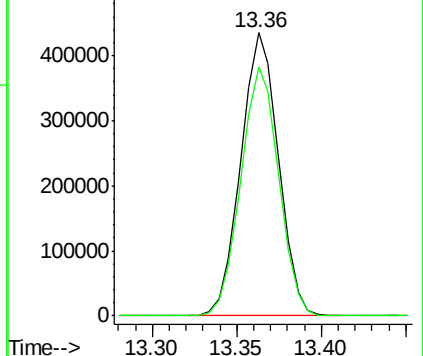
142 100

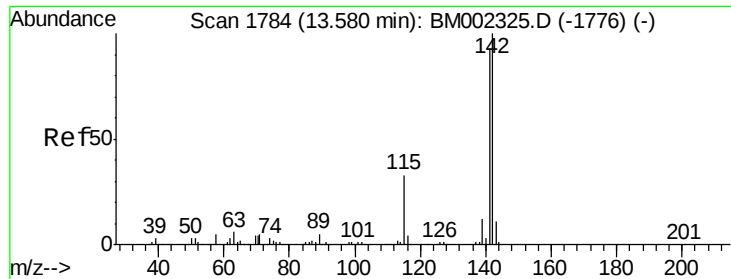
141 88.1 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 19.80 ng/ul

RT: 13.58 min Scan# 1784

Delta R.T. 0.00 min

Lab File: BM002336.D

Acq: 11 Aug 2015 23:30

Instrument :

BNA_M

ClientSampled :

SSTD02024

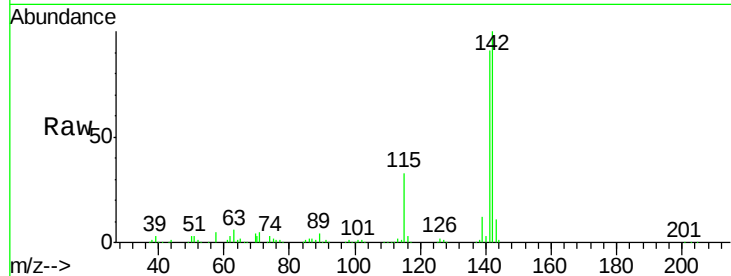
Tot Ion:142 Resp: 665539

Ion Ratio Lower Upper

142 100

141 91.2 74.5 111.7

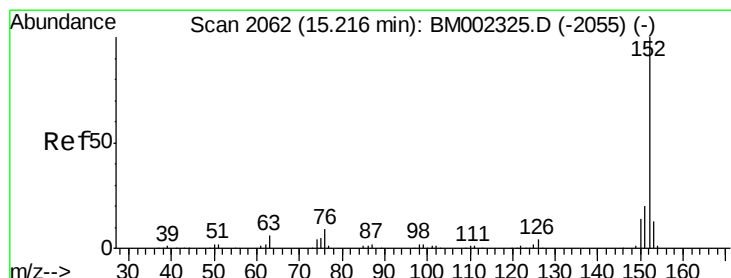
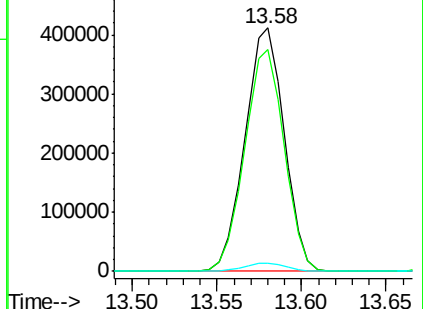
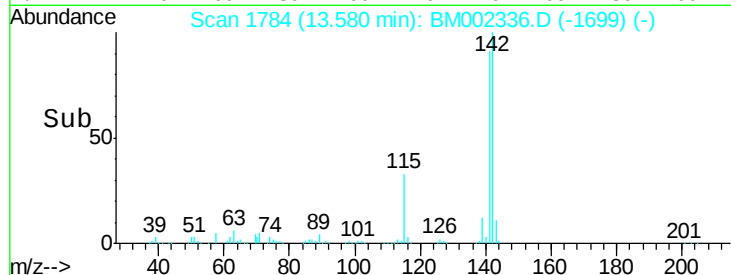
116 3.4 3.0 4.4



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: 20.23 ng/ul

RT: 15.22 min Scan# 2062

Delta R.T. 0.00 min

Lab File: BM002336.D

Acq: 11 Aug 2015 23:30

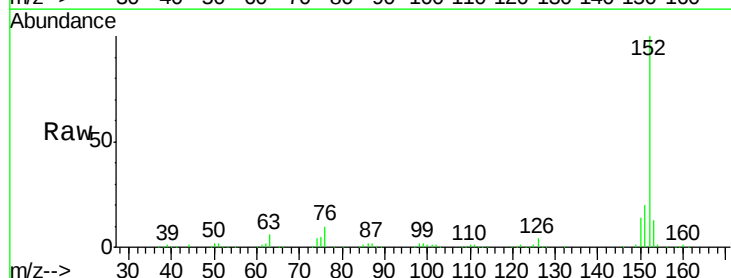
Tgt Ion:152 Resp: 1068032

Ion Ratio Lower Upper

152 100

151 19.9 15.9 23.9

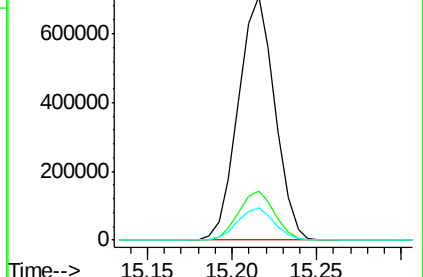
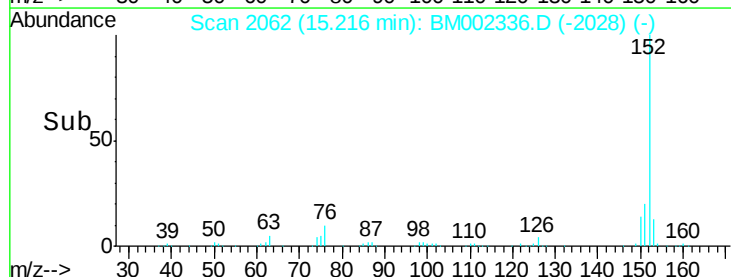
153 13.2 10.6 15.8

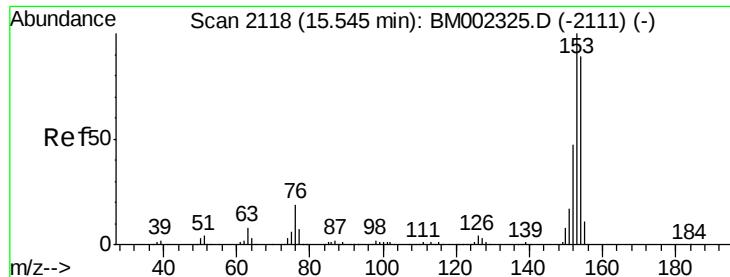


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 20.02 ng/ul

RT: 15.54 min Scan# 2118

Delta R.T. -0.00 min

Lab File: BM002336.D

Acq: 11 Aug 2015 23:30

Instrument :

BNA_M

ClientSampleId :

SSTD02024

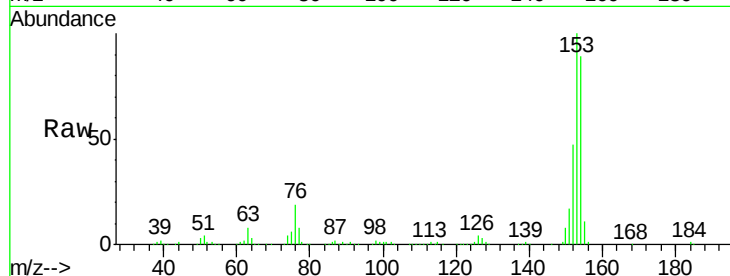
Tot Ion:153 Resp: 711189

Ion Ratio Lower Upper

153 100

152 46.7 36.6 55.0

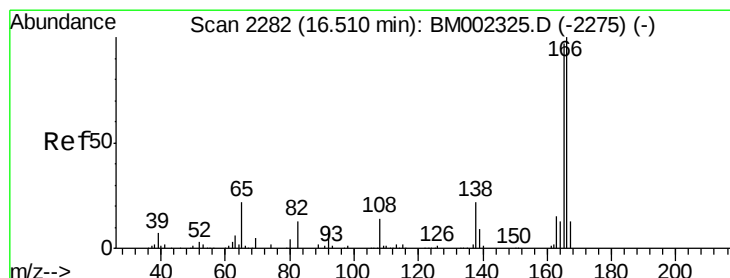
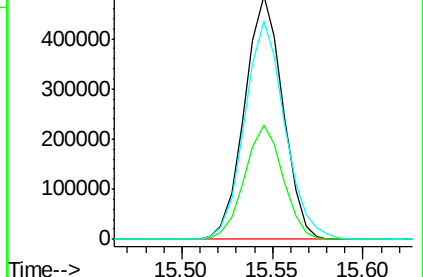
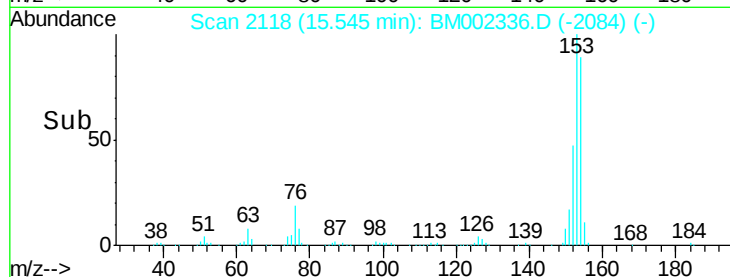
154 89.4 71.5 107.3



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: 20.00 ng/ul

RT: 16.51 min Scan# 2282

Delta R.T. 0.00 min

Lab File: BM002336.D

Acq: 11 Aug 2015 23:30

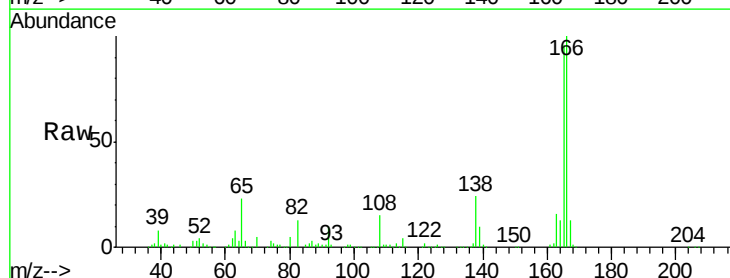
Tgt Ion:166 Resp: 799940

Ion Ratio Lower Upper

166 100

165 96.3 77.5 116.3

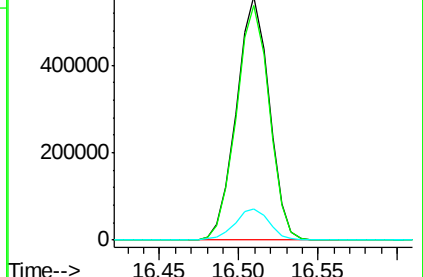
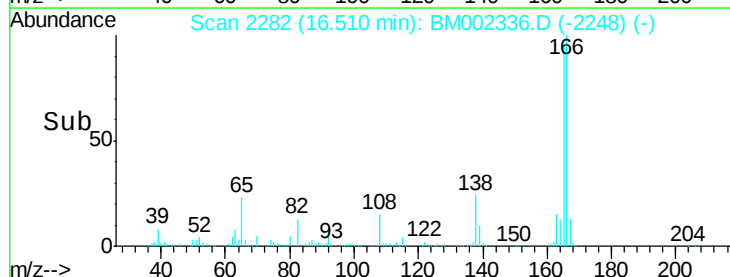
167 13.0 10.4 15.6

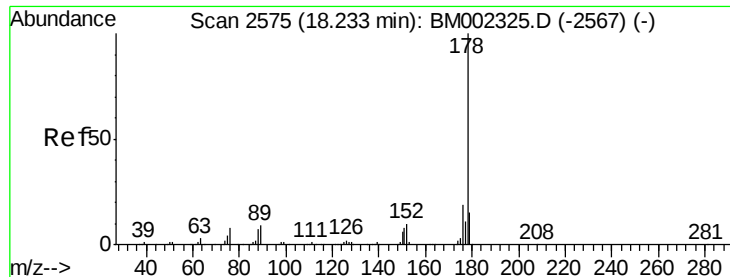


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 20.12 ng/ul

RT: 18.23 min Scan# 2575

Delta R.T. 0.00 min

Lab File: BM002336.D

Acq: 11 Aug 2015 23:30

Instrument :

BNA_M

ClientSampleId :

SSTD02024

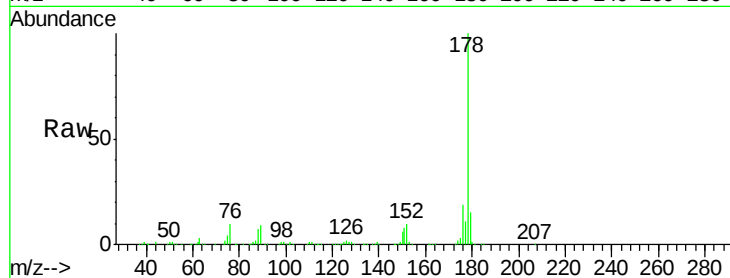
Tot Ion:178 Resp: 1184658

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

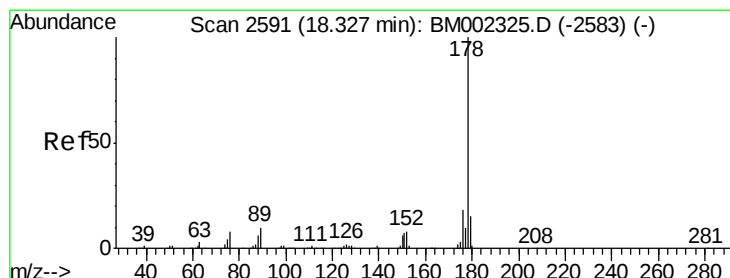
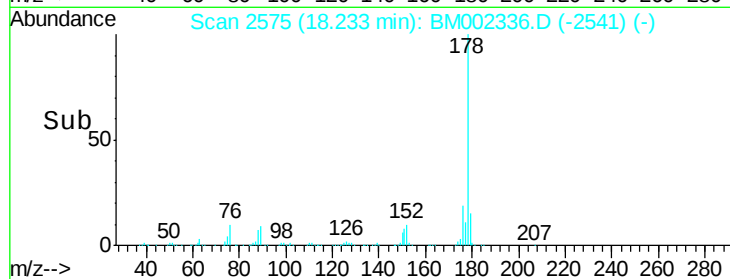
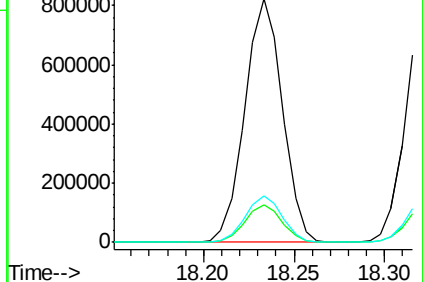
176 18.9 15.3 22.9



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: 20.11 ng/ul

RT: 18.32 min Scan# 2590

Delta R.T. -0.01 min

Lab File: BM002336.D

Acq: 11 Aug 2015 23:30

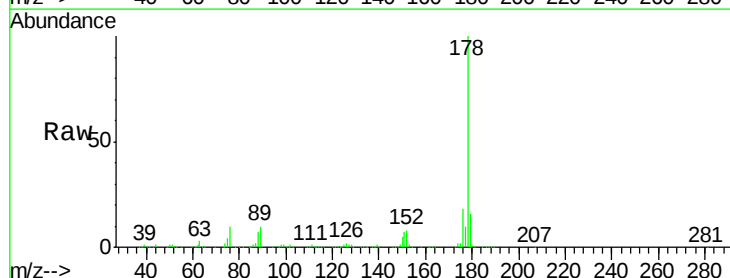
Tgt Ion:178 Resp: 1223028

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

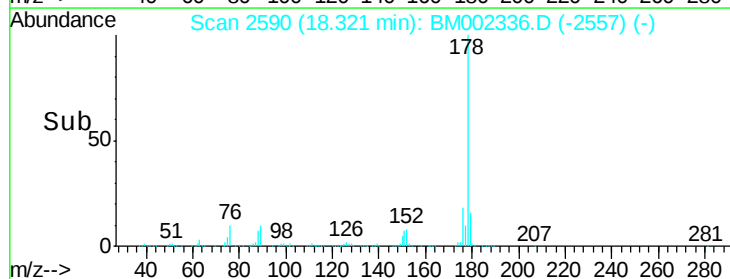
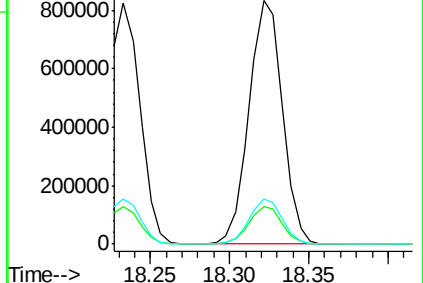
176 18.4 14.5 21.7

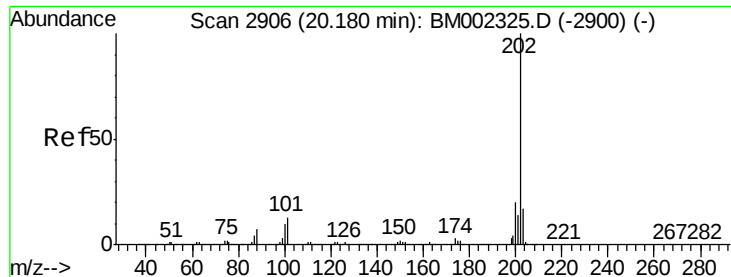


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 19.83 ng/ul

RT: 20.18 min Scan# 2906

Delta R.T. 0.00 min

Lab File: BM002336.D

Acq: 11 Aug 2015 23:30

Instrument :

BNA_M

ClientSampleId :

SSTD02024

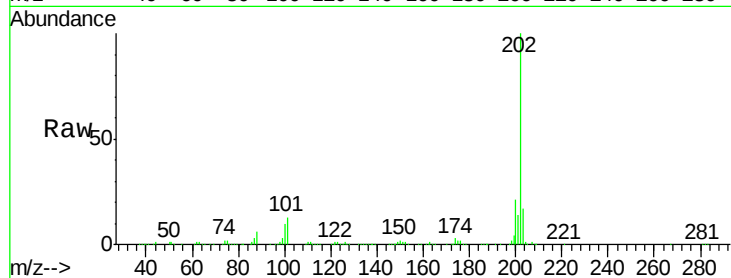
Tot Ion:202 Resp: 1292785

Ion Ratio Lower Upper

202 100

101 12.8 10.6 15.8

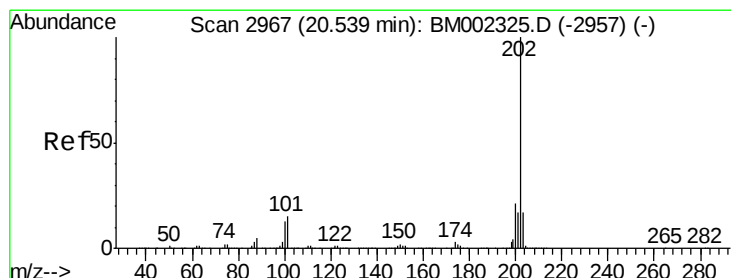
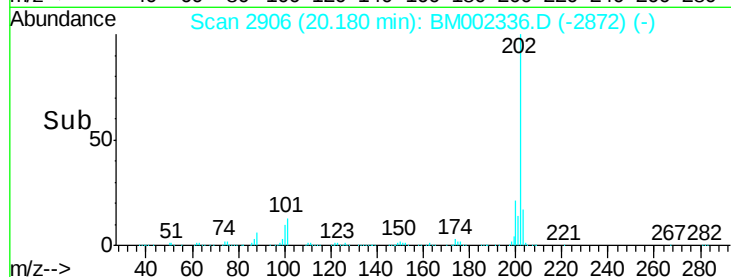
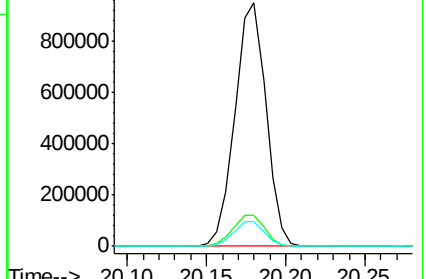
100 10.0 8.2 12.4



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: 21.10 ng/ul

RT: 20.53 min Scan# 2966

Delta R.T. -0.01 min

Lab File: BM002336.D

Acq: 11 Aug 2015 23:30

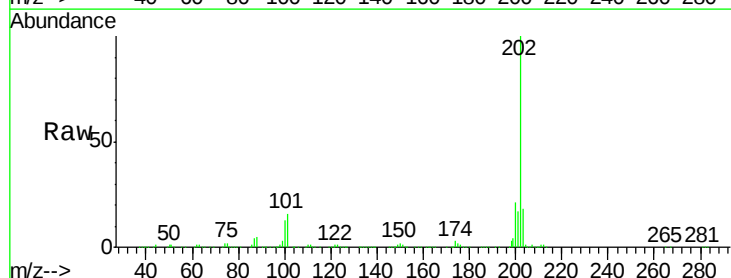
Tgt Ion:202 Resp: 1346296

Ion Ratio Lower Upper

202 100

101 16.2 13.0 19.6

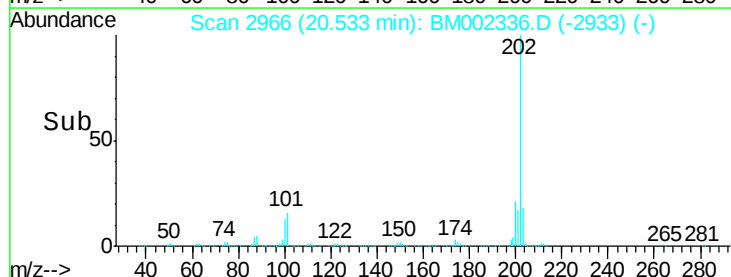
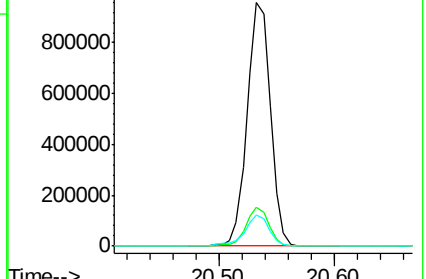
100 12.9 11.0 16.4

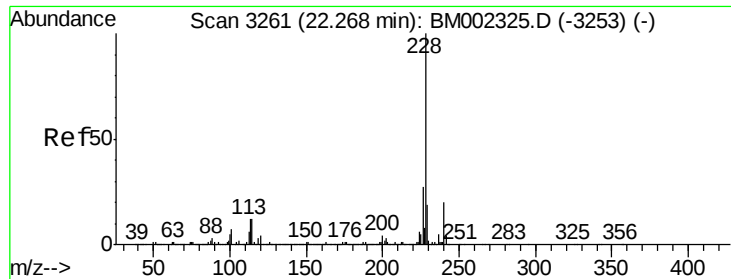


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 20.27 ng/ul

RT: 22.26 min Scan# 3260

Delta R.T. -0.01 min

Lab File: BM002336.D

Acq: 11 Aug 2015 23:30

Instrument :

BNA_M

ClientSampleId :

SSTD02024

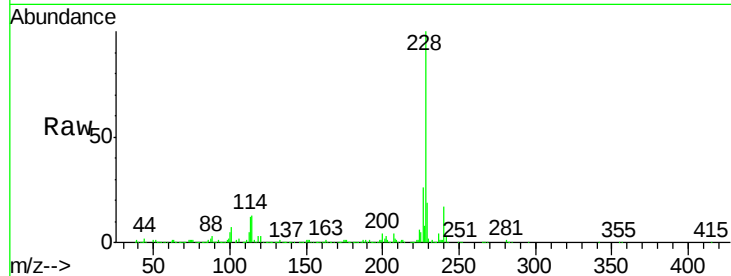
Tot Ion:228 Resp: 1221102

Ion Ratio Lower Upper

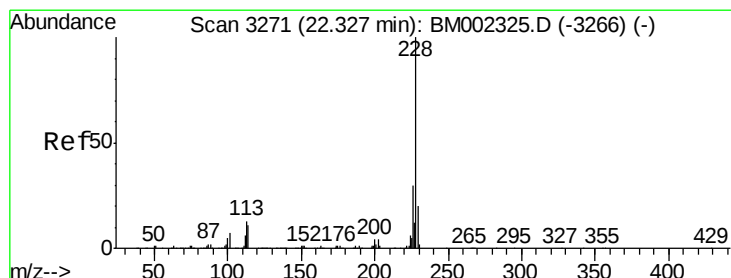
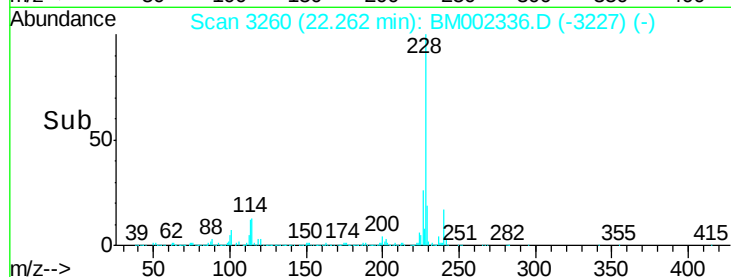
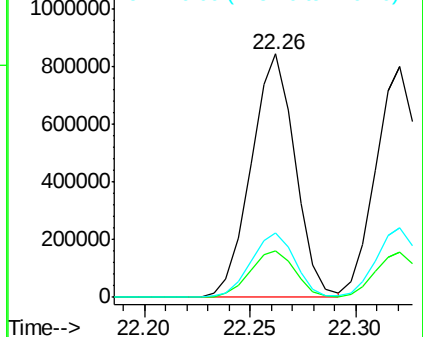
228 100

229 19.2 15.7 23.5

226 26.5 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: 19.86 ng/ul

RT: 22.32 min Scan# 3270

Delta R.T. -0.01 min

Lab File: BM002336.D

Acq: 11 Aug 2015 23:30

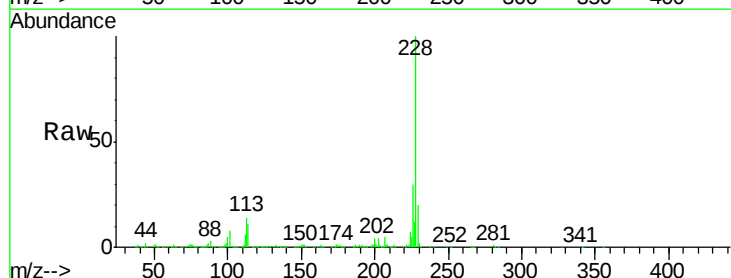
Tgt Ion:228 Resp: 1134142

Ion Ratio Lower Upper

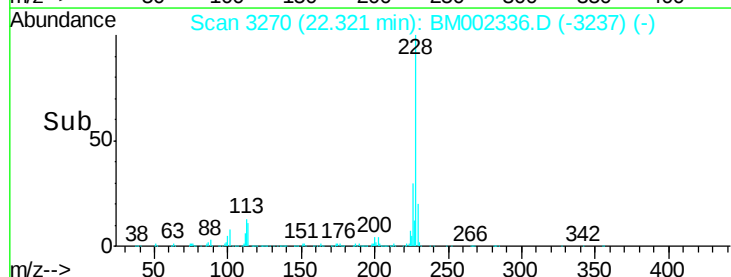
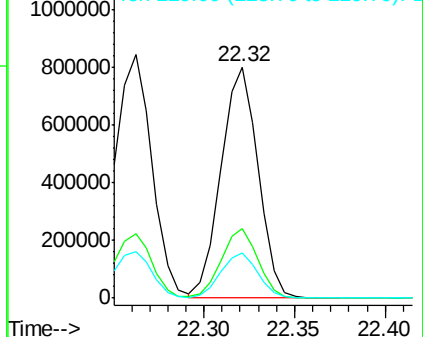
228 100

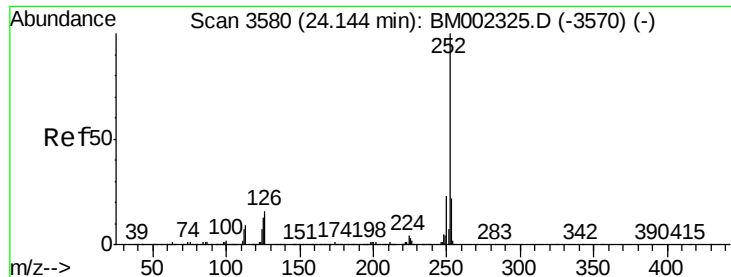
226 30.0 23.4 35.0

229 19.8 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: 21.51 ng/ul

RT: 24.14 min Scan# 3579

Delta R.T. -0.01 min

Lab File: BM002336.D

Acq: 11 Aug 2015 23:30

Instrument :

BNA_M

ClientSampleId :

SSTD02024

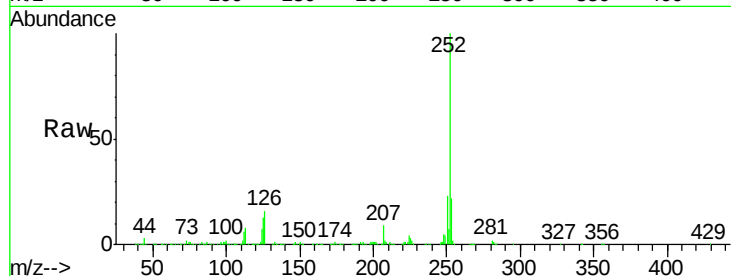
Tot Ion:252 Resp: 1069319

Ion Ratio Lower Upper

252 100

253 22.0 17.9 26.9

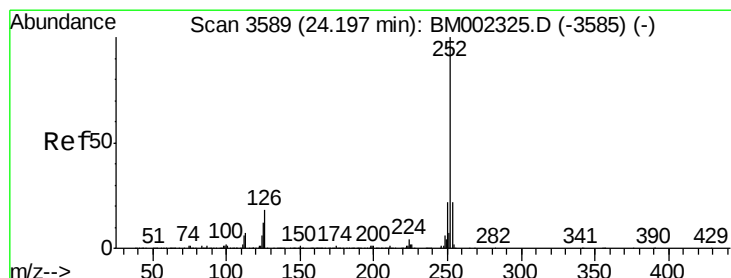
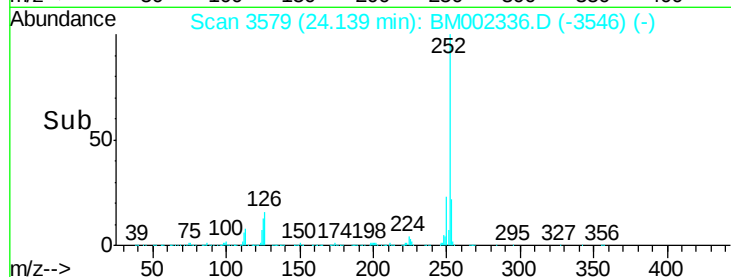
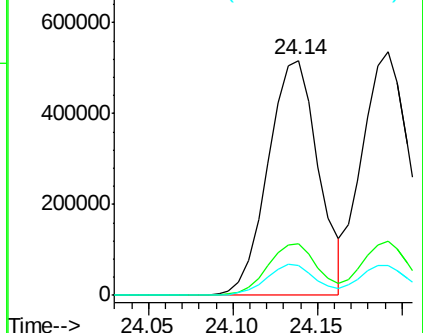
125 12.6 10.3 15.5



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



#24

Benzo(k)fluoranthene

Concen: 21.85 ng/ul

RT: 24.19 min Scan# 3588

Delta R.T. -0.01 min

Lab File: BM002336.D

Acq: 11 Aug 2015 23:30

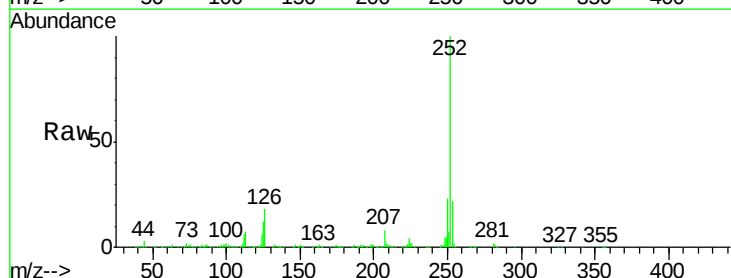
Tgt Ion:252 Resp: 1042787

Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

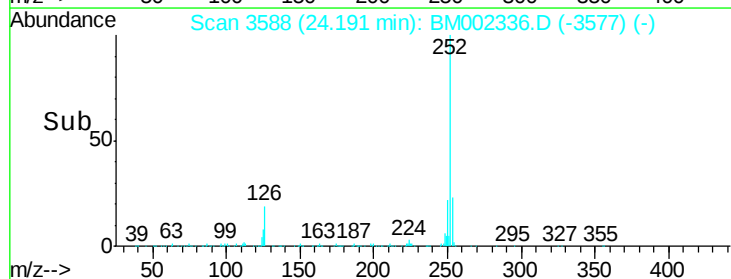
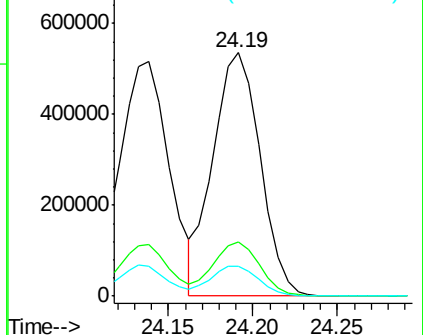
125 12.4 10.2 15.4

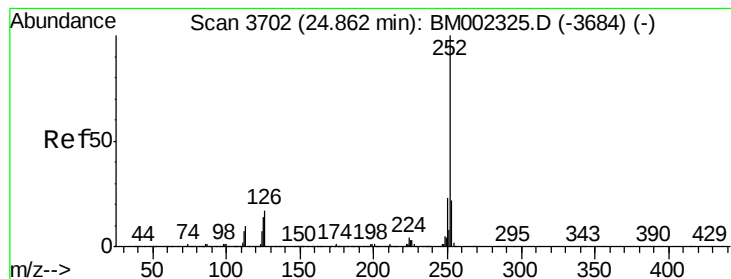


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 20.48 ng/ul

RT: 24.85 min Scan# 3700

Delta R.T. -0.01 min

Lab File: BM002336.D

Acq: 11 Aug 2015 23:30

Instrument :

BNA_M

ClientSampleId :

SSTD02024

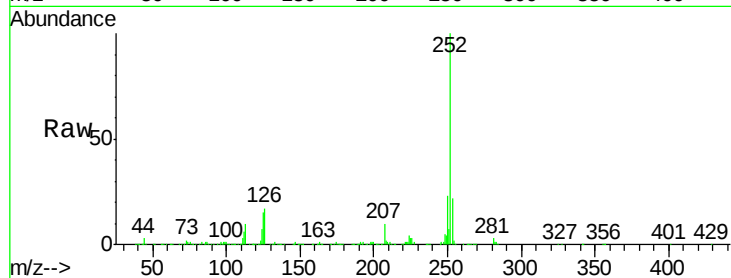
Tot Ion:252 Resp: 974204

Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

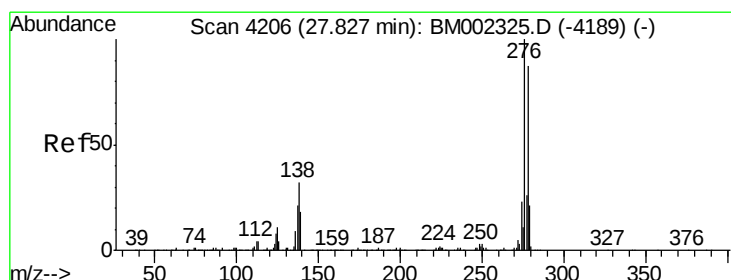
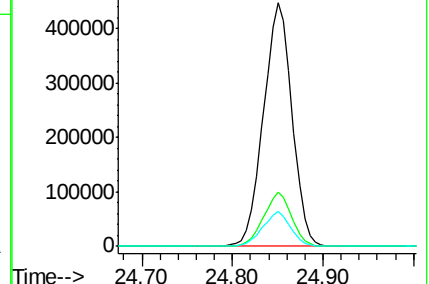
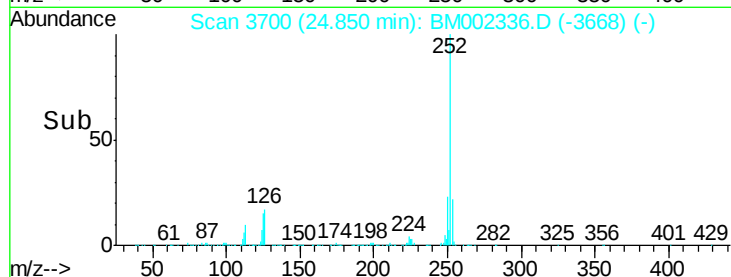
125 14.6 11.0 16.6



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: 16.97 ng/ul

RT: 27.81 min Scan# 4203

Delta R.T. -0.02 min

Lab File: BM002336.D

Acq: 11 Aug 2015 23:30

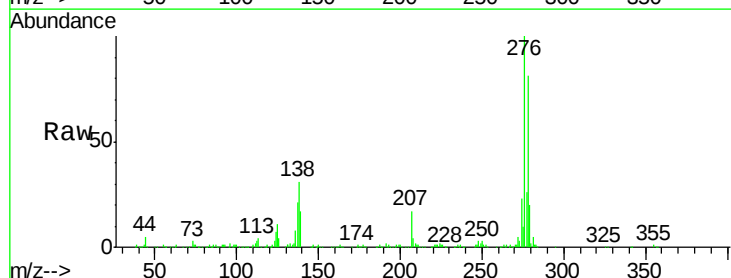
Tgt Ion:276 Resp: 925035

Ion Ratio Lower Upper

276 100

138 31.0 25.6 38.4

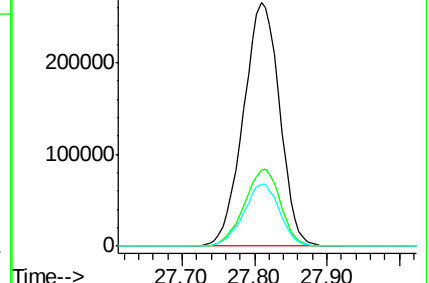
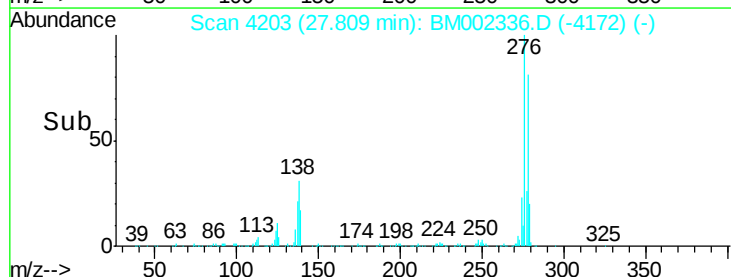
277 25.5 21.0 31.4

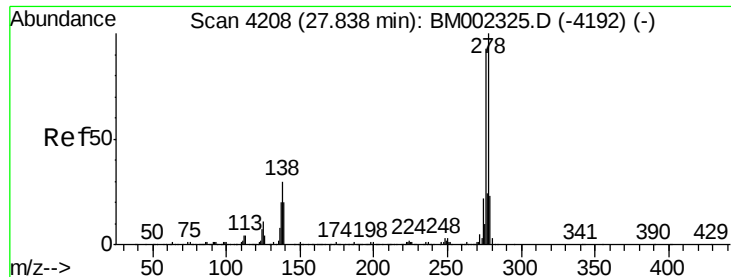


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

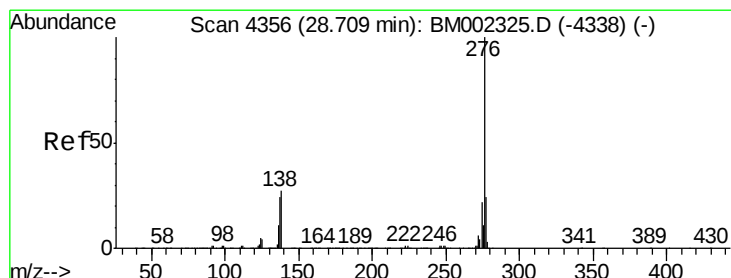
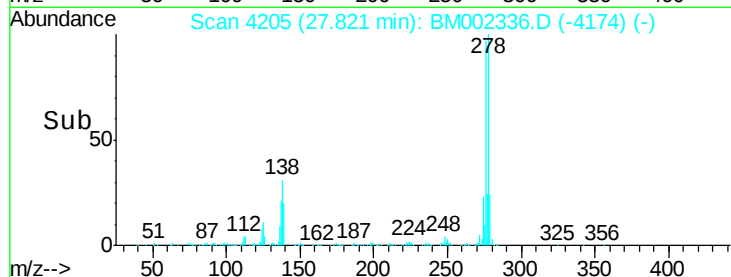
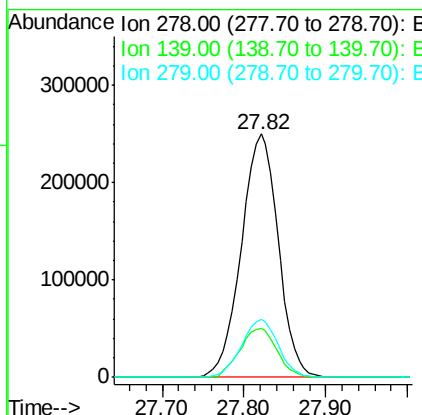
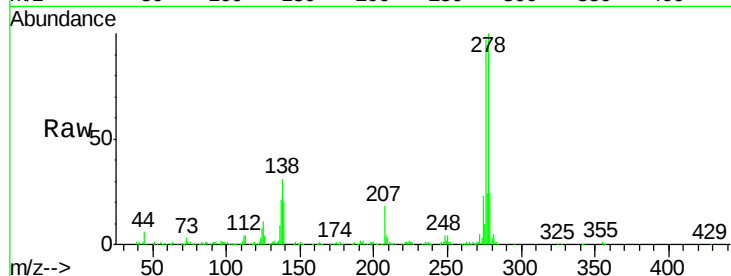




#28
Dibenzo(a,h)anthracene
Concen: 17.05 ng/ul
RT: 27.82 min Scan# 4205
Delta R.T. -0.02 min
Lab File: BM002336.D
Acq: 11 Aug 2015 23:30

Instrument :
BNA_M
ClientSampleId :
SSTD02024

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.3	16.4	24.6
279	23.7	18.8	28.2



#29
Benzo(g,h,i)perylene
Concen: 16.18 ng/ul
RT: 28.69 min Scan# 4353
Delta R.T. -0.02 min
Lab File: BM002336.D
Acq: 11 Aug 2015 23:30

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.3	20.5	30.7
277	22.9	19.0	28.6

