

Data Path : Z:\HPCHEM1\BNA_M\Data\BM061616\
 Data File : BM005808.D
 Acq On : 15 Jun 2016 17:50
 Operator : UM/SJ
 Sample : SSTDC0020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02042

Quant Time: Jun 15 18:22:34 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 15 01:42:36 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	78962	20.00	ng/ul	0.00
7) Naphthalene-d8	10.52	136	413953	20.00	ng/ul	-0.01
15) Acenaphthene-d10	14.38	164	274255	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.13	188	652444	20.00	ng/ul	0.00
29) Chrysene-d12	21.32	240	642796	20.00	ng/ul	0.00
34) Perylene-d12	23.56	264	533234	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	13444	7.88	ng/uL	0.00
3) Phenol-d5	6.92	99	137909	21.26	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.07	67	80941	20.97	ng/ul	0.00
5) 2-Chlorophenol-d4	7.27	132	111071	20.56	ng/ul	0.00
6) 4-Methylphenol-d8	8.46	113	122625	22.38	ng/ul	0.00
8) Nitrobenzene-d5	8.90	128	59987	20.47	ng/ul	0.00
9) 2-Nitrophenol-d4	9.62	143	70609	21.68	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.16	165	129977	20.86	ng/ul	0.00
12) 4-Chloroaniline-d4	10.67	131	179785	26.25	ng/ul	0.00
16) Dimethylphthalate-d6	13.79	166	462043	21.22	ng/ul	0.00
17) Acenaphthylene-d8	14.07	160	558146	20.18	ng/ul	0.00
20) 4-Nitrophenol-d4	14.62	143	61889	24.73	ng/ul	0.00
21) Fluorene-d10	15.37	176	393574	21.70	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.52	200	69812	23.92	ng/ul	0.00
26) Anthracene-d10	17.23	188	608094	20.09	ng/ul	0.00
30) Pyrene-d10	19.52	212	674585	21.56	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.42	264	495351	20.11	ng/ul	0.00

Target Compounds

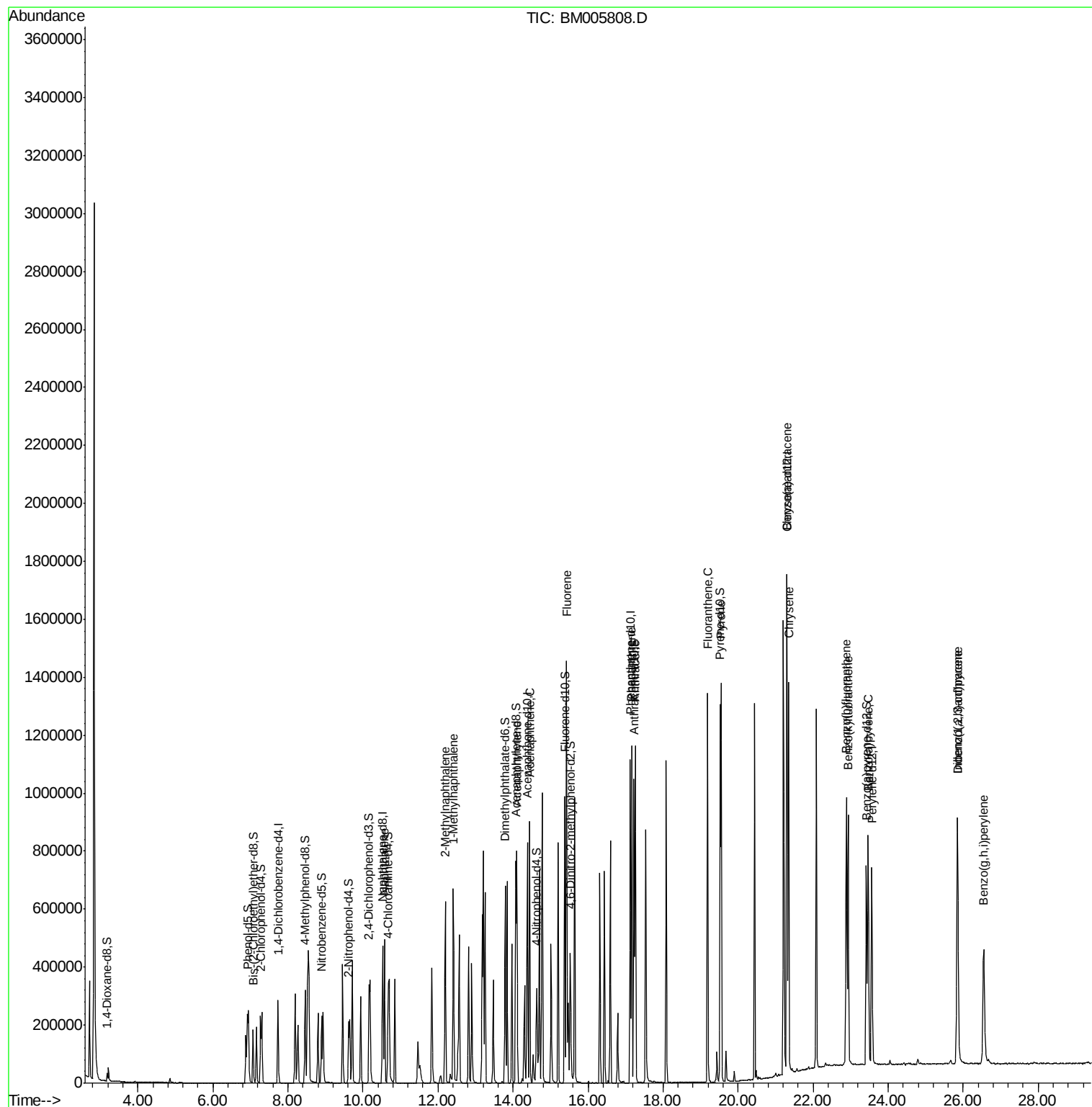
						Qvalue
11) Naphthalene	10.57	128	408899	19.81	ng/ul	100
13) 2-Methylnaphthalene	12.19	142	315851	21.28	ng/ul	99
14) 1-Methylnaphthalene	12.41	142	317807	21.22	ng/ul	100
18) Acenaphthylene	14.10	152	561359	20.13	ng/ul	100
19) Acenaphthene	14.44	153	369231	20.21	ng/ul	99
22) Fluorene	15.43	166	426668	21.75	ng/ul	100
25) Phenanthrene	17.17	178	717757	20.06	ng/ul	100
27) Anthracene	17.26	178	720148	20.33	ng/ul	100
28) Fluoranthene	19.19	202	842126	22.11	ng/ul	99
31) Pyrene	19.55	202	845799	21.42	ng/ul	98
32) Benzo(a)anthracene	21.30	228	751090	20.20	ng/ul	100
33) Chrysene	21.35	228	709041	19.46	ng/ul	99
35) Benzo(b)fluoranthene	22.89	252	667928	20.97	ng/ul	99
36) Benzo(k)fluoranthene	22.93	252	631638	21.42	ng/ul	99
38) Benzo(a)pyrene	23.47	252	599404	19.70	ng/ul	100
39) Indeno(1,2,3-cd)pyrene	25.85	276	625314	17.91	ng/ul	97
40) Dibenzo(a,h)anthracene	25.85	278	518953	17.77	ng/ul	99
41) Benzo(g,h,i)perylene	26.55	276	529266	17.51	ng/ul	99

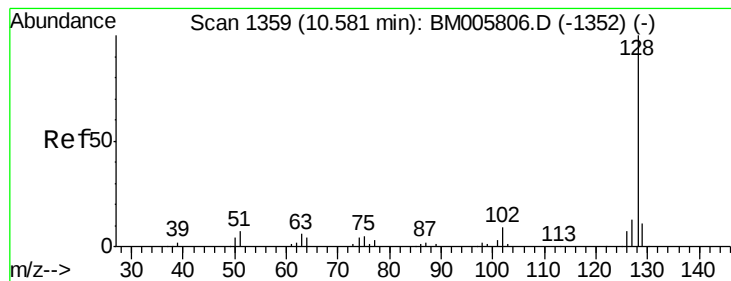
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\Data\BM061616\
Data File : BM005808.D
Acq On : 15 Jun 2016 17:50
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD02042

Quant Time: Jun 15 18:22:34 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061516.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jun 15 01:42:36 2016
Response via : Initial Calibration





#11

Naphthalene

Concen: 19.81 ng/ul

RT: 10.57 min Scan# 1358

Delta R.T. -0.01 min

Lab File: BM005808.D

Acq: 15 Jun 2016 17:50

Instrument :

BNA_M

ClientSampleId :

SSTD02042

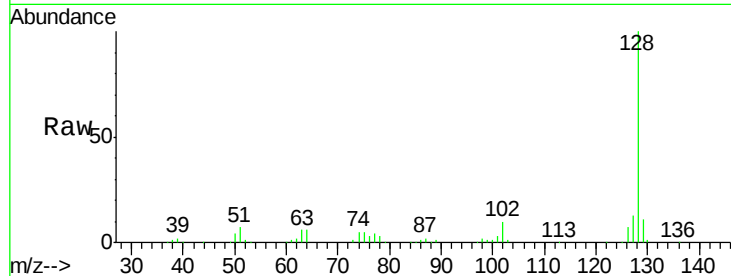
Tgt Ion:128 Resp: 408899

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

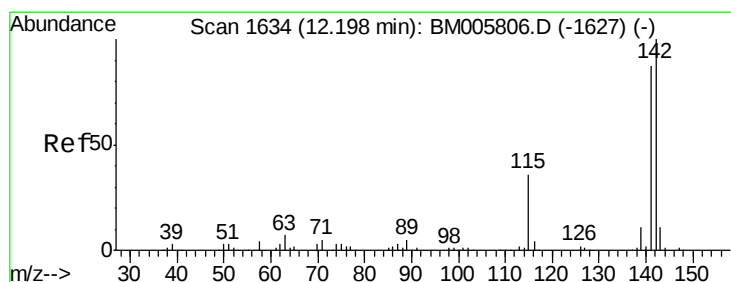
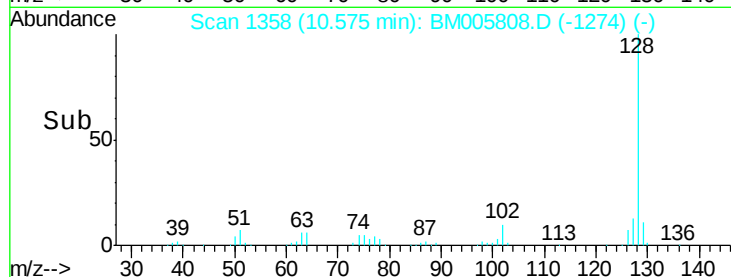
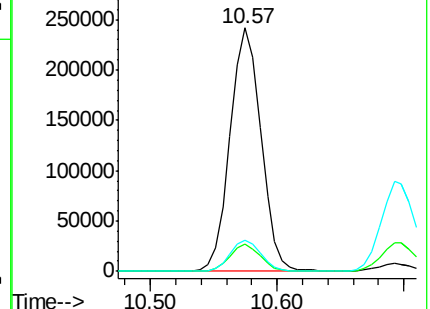
127 13.0 10.5 15.7



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



#13

2-Methylnaphthalene

Concen: 21.28 ng/ul

RT: 12.19 min Scan# 1633

Delta R.T. -0.01 min

Lab File: BM005808.D

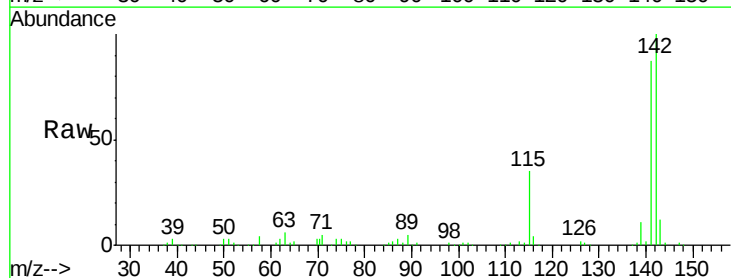
Acq: 15 Jun 2016 17:50

Tgt Ion:142 Resp: 315851

Ion Ratio Lower Upper

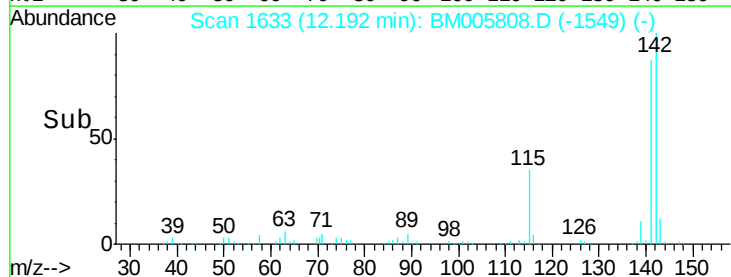
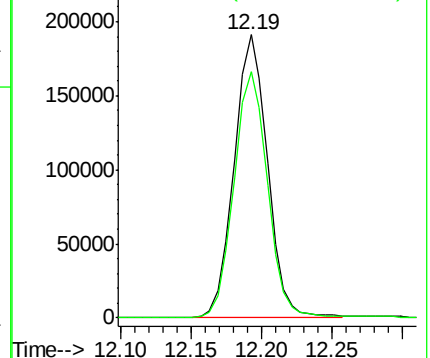
142 100

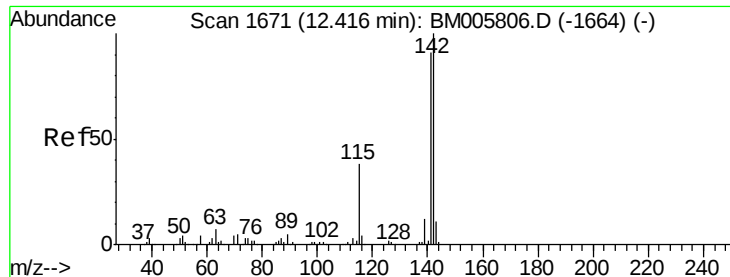
141 86.9 69.0 103.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

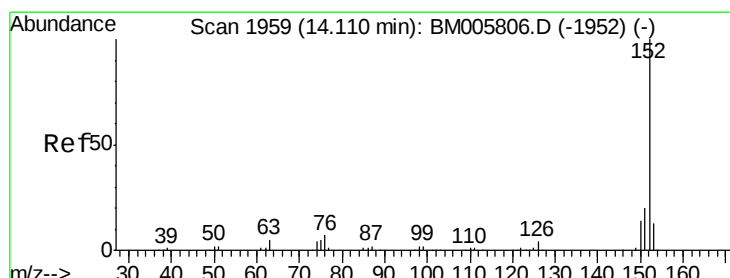
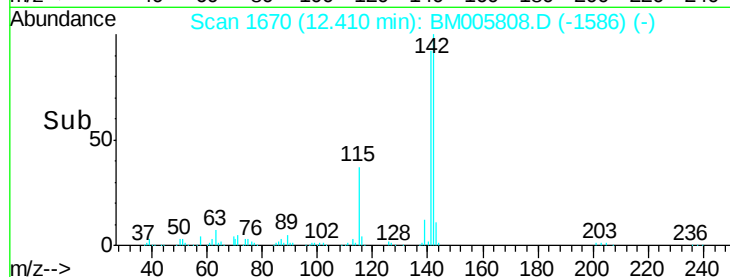
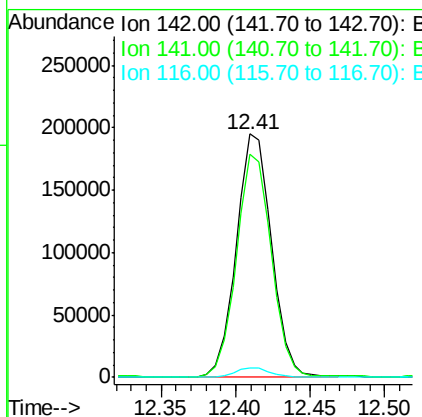
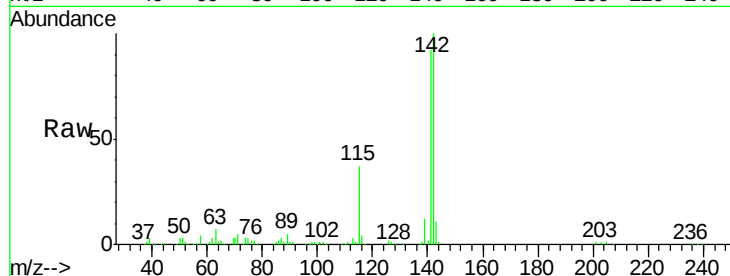




#14
1-Methylnaphthalene
Concen: 21.22 ng/ul
RT: 12.41 min Scan# 1670
Delta R.T. -0.01 min
Lab File: BM005808.D
Acq: 15 Jun 2016 17:50

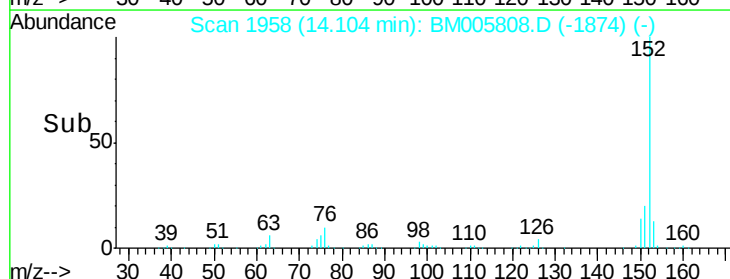
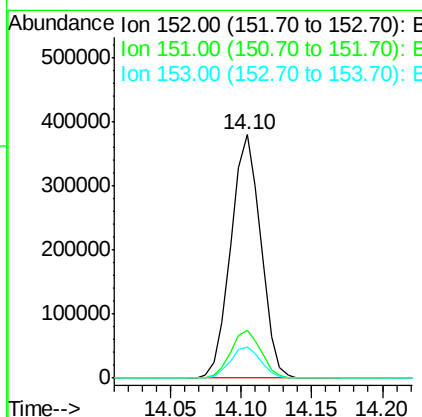
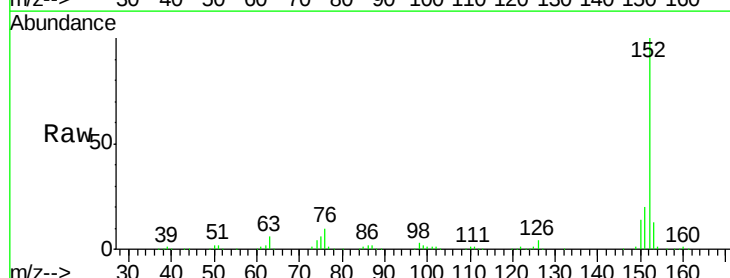
Instrument :
BNA_M
ClientSampleId :
SSTD02042

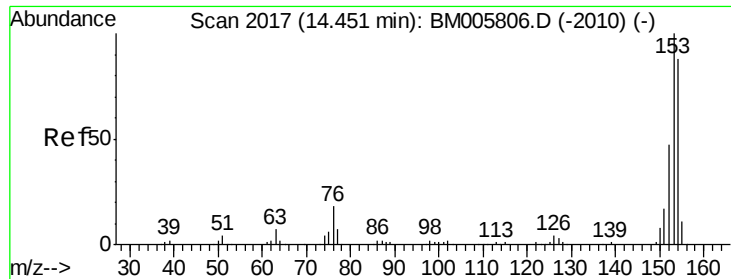
Tgt Ion:142 Resp: 317807
Ion Ratio Lower Upper
142 100
141 91.5 73.0 109.4
116 4.1 3.0 4.6



#18
Acenaphthylene
Concen: 20.13 ng/ul
RT: 14.10 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BM005808.D
Acq: 15 Jun 2016 17:50

Tgt Ion:152 Resp: 561359
Ion Ratio Lower Upper
152 100
151 19.5 15.8 23.6
153 13.0 10.3 15.5





#19

Acenaphthene

Concen: 20.21 ng/ul

RT: 14.44 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BM005808.D

Acq: 15 Jun 2016 17:50

Instrument :

BNA_M

ClientSampleId :

SSTD02042

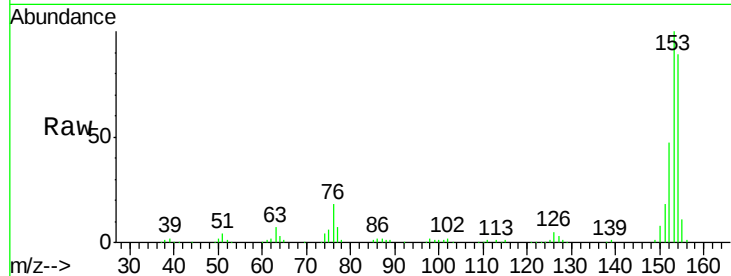
Tgt Ion:153 Resp: 369231

Ion Ratio Lower Upper

153 100

152 47.0 38.1 57.1

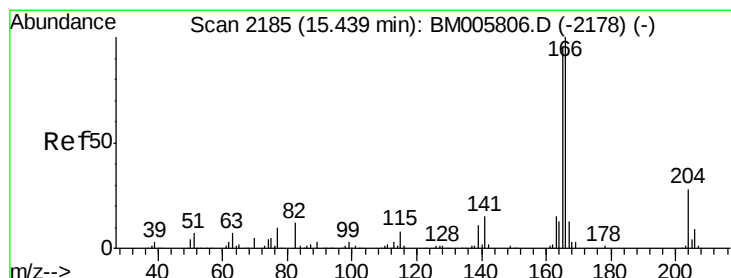
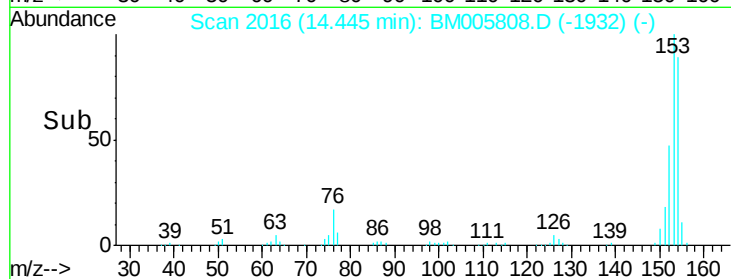
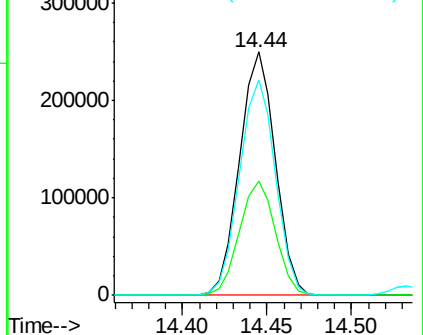
154 88.6 71.6 107.4



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



#22

Fluorene

Concen: 21.75 ng/ul

RT: 15.43 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BM005808.D

Acq: 15 Jun 2016 17:50

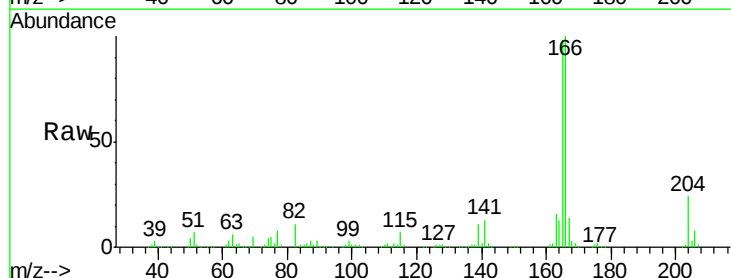
Tgt Ion:166 Resp: 426668

Ion Ratio Lower Upper

166 100

165 97.7 78.4 117.6

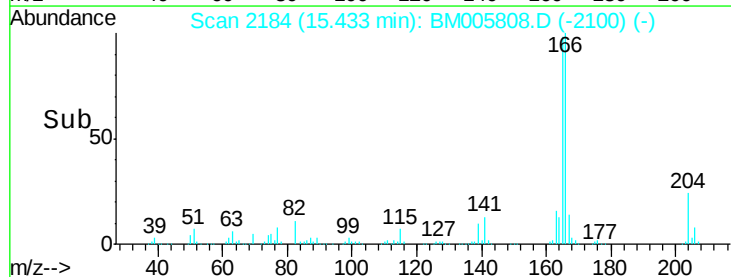
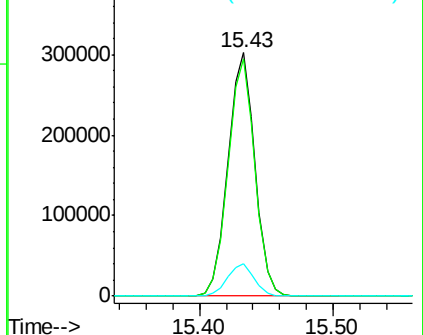
167 13.5 10.6 16.0

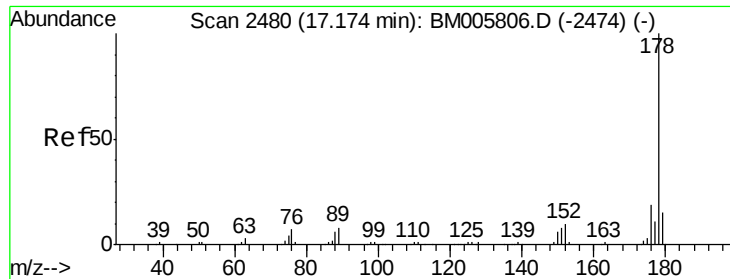


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 20.06 ng/ul

RT: 17.17 min Scan# 2479

Delta R.T. -0.01 min

Lab File: BM005808.D

Acq: 15 Jun 2016 17:50

Instrument :

BNA_M

ClientSampleId :

SSTD02042

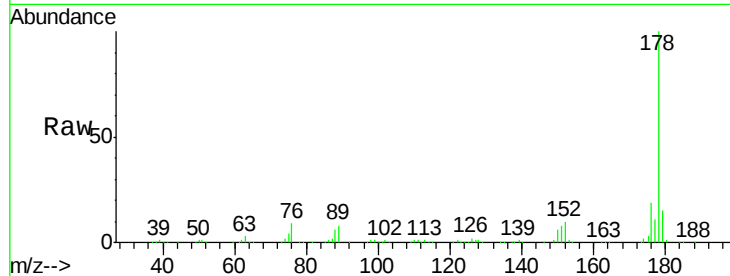
Tgt Ion:178 Resp: 717757

Ion Ratio Lower Upper

178 100

179 15.1 12.2 18.2

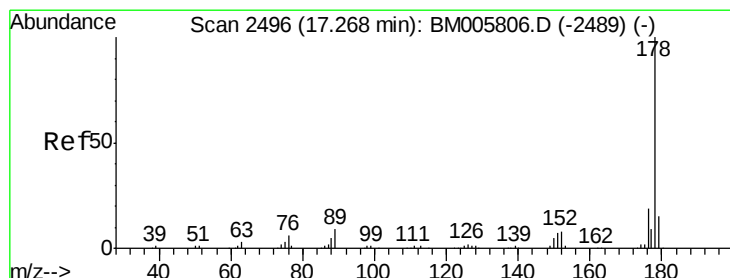
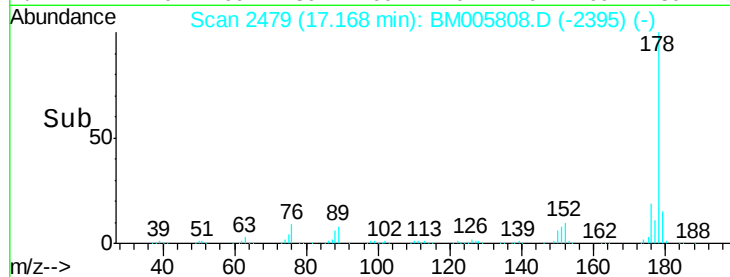
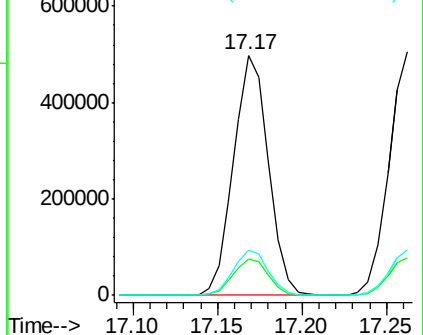
176 18.8 15.3 22.9



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



#27

Anthracene

Concen: 20.33 ng/ul

RT: 17.26 min Scan# 2495

Delta R.T. -0.00 min

Lab File: BM005808.D

Acq: 15 Jun 2016 17:50

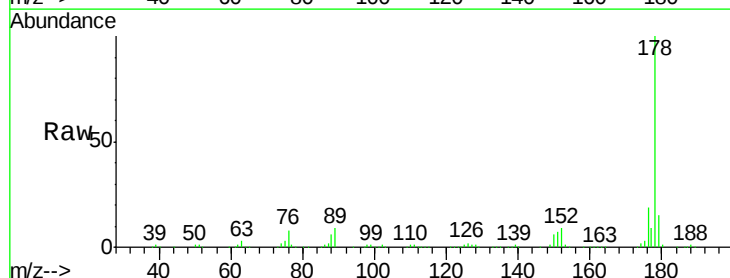
Tgt Ion:178 Resp: 720148

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

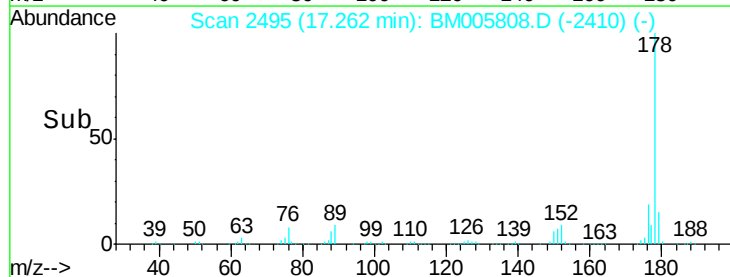
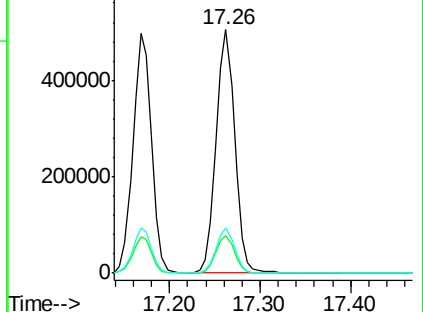
176 18.6 14.6 22.0

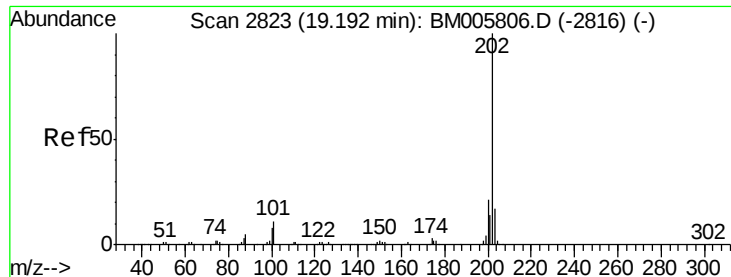


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 22.11 ng/ul

RT: 19.19 min Scan# 2822

Delta R.T. -0.01 min

Lab File: BM005808.D

Acq: 15 Jun 2016 17:50

Instrument :

BNA_M

ClientSampleId :

SSTD02042

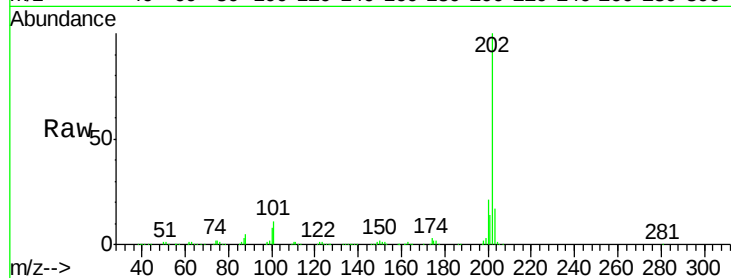
Tgt Ion:202 Resp: 842126

Ion Ratio Lower Upper

202 100

101 10.9 8.5 12.7

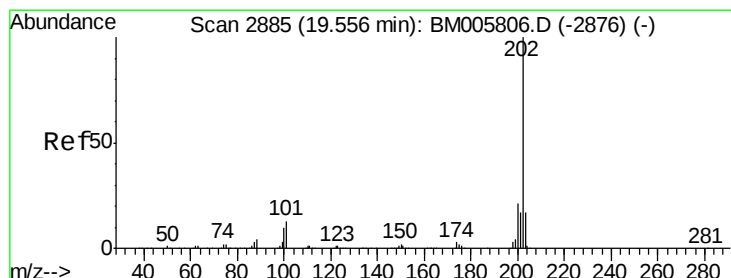
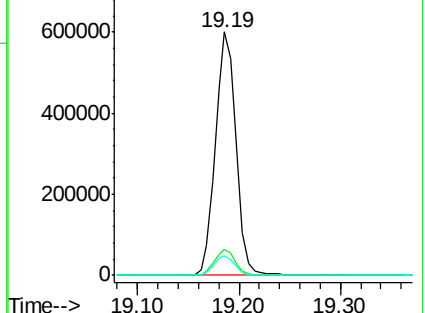
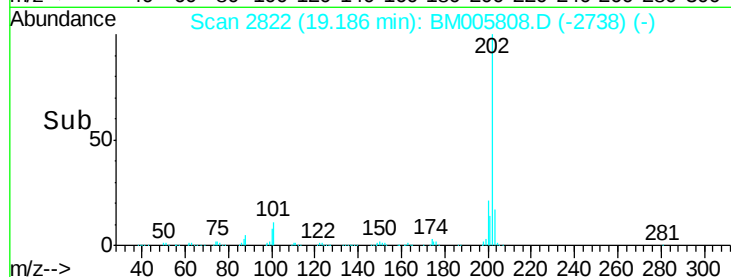
100 8.0 6.5 9.7



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



#31

Pyrene

Concen: 21.42 ng/ul

RT: 19.55 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BM005808.D

Acq: 15 Jun 2016 17:50

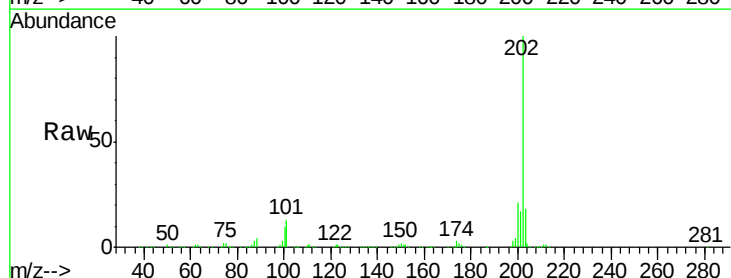
Tgt Ion:202 Resp: 845799

Ion Ratio Lower Upper

202 100

101 12.7 11.0 16.4

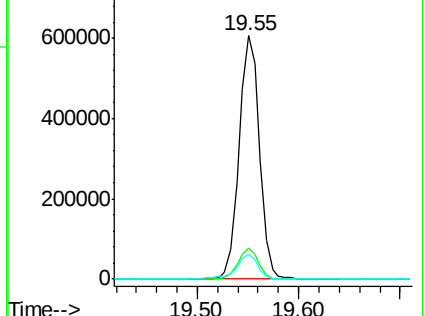
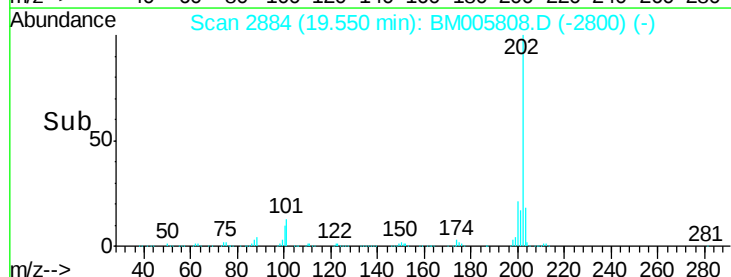
100 10.2 8.9 13.3

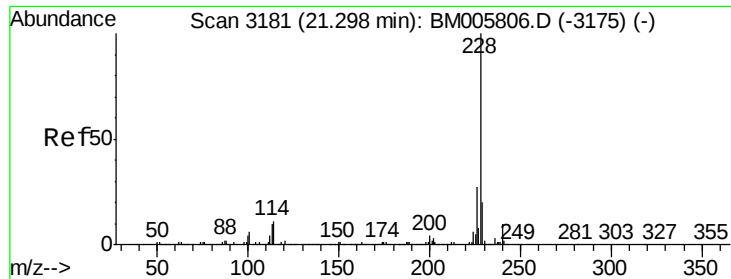


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 20.20 ng/ul

RT: 21.30 min Scan# 3181

Delta R.T. -0.00 min

Lab File: BM005808.D

Acq: 15 Jun 2016 17:50

Instrument :

BNA_M

ClientSampleId :

SSTD02042

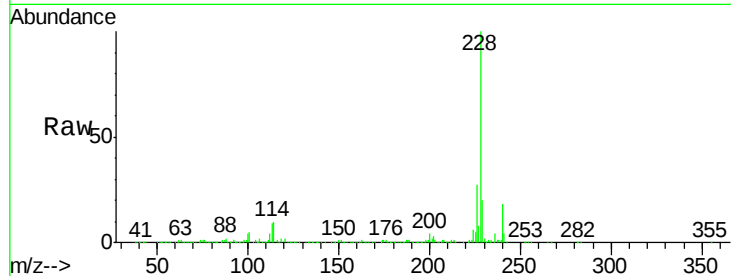
Tgt Ion:228 Resp: 751090

Ion Ratio Lower Upper

228 100

229 19.7 15.6 23.4

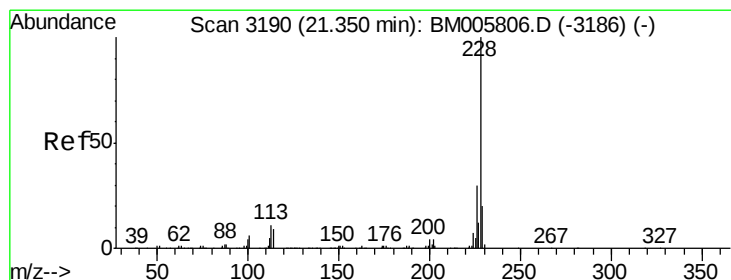
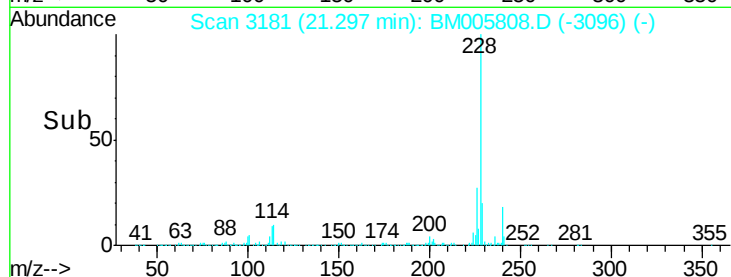
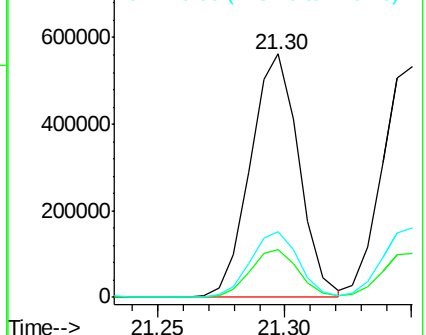
226 27.1 21.6 32.4



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



#33

Chrysene

Concen: 19.46 ng/ul

RT: 21.35 min Scan# 3190

Delta R.T. -0.00 min

Lab File: BM005808.D

Acq: 15 Jun 2016 17:50

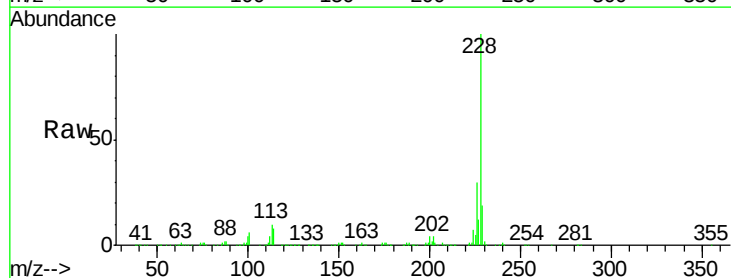
Tgt Ion:228 Resp: 709041

Ion Ratio Lower Upper

228 100

226 29.9 23.8 35.6

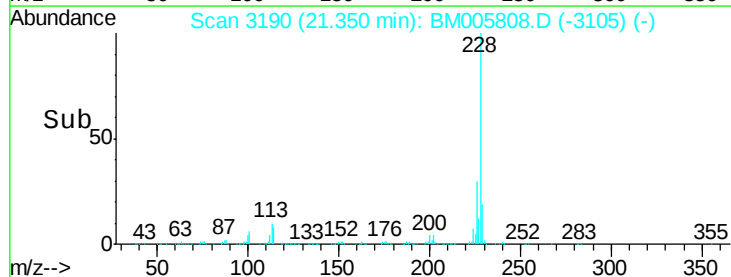
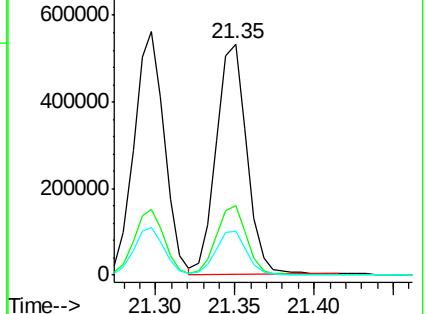
229 19.1 15.8 23.6

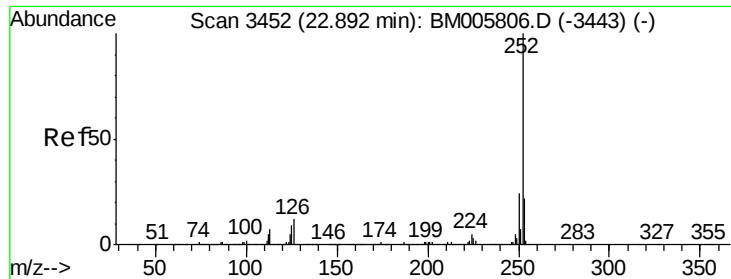


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 20.97 ng/ul

RT: 22.89 min Scan# 3451

Delta R.T. -0.01 min

Lab File: BM005808.D

Acq: 15 Jun 2016 17:50

Instrument :

BNA_M

ClientSampleId :

SSTD02042

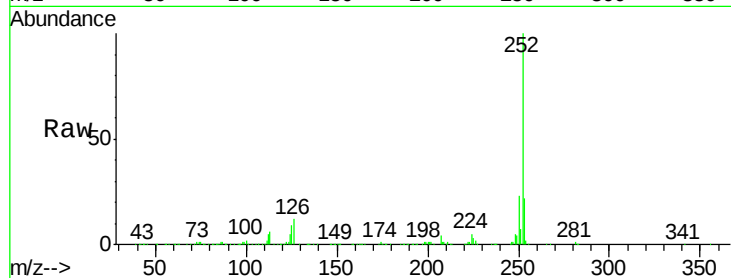
Tgt Ion:252 Resp: 667928

Ion Ratio Lower Upper

252 100

253 21.9 17.2 25.8

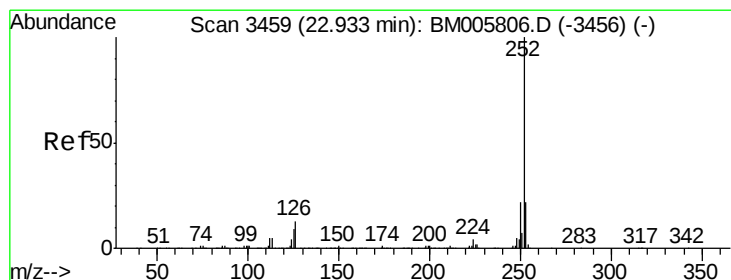
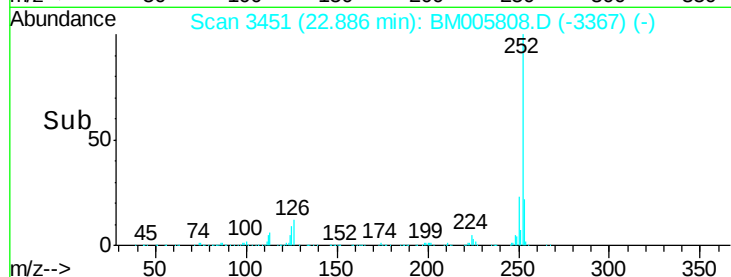
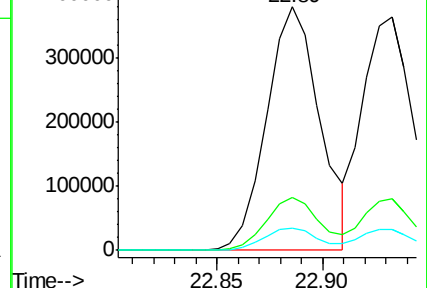
125 9.2 7.8 11.6



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



#36

Benzo(k)fluoranthene

Concen: 21.42 ng/ul

RT: 22.93 min Scan# 3459

Delta R.T. -0.00 min

Lab File: BM005808.D

Acq: 15 Jun 2016 17:50

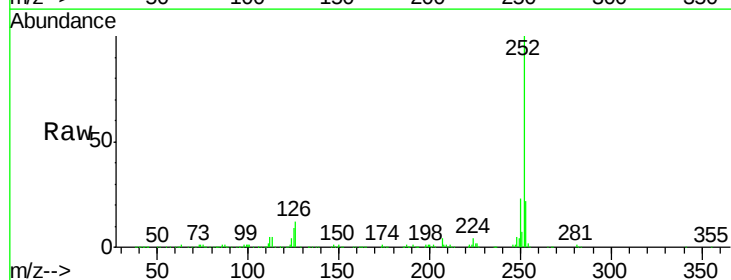
Tgt Ion:252 Resp: 631638

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

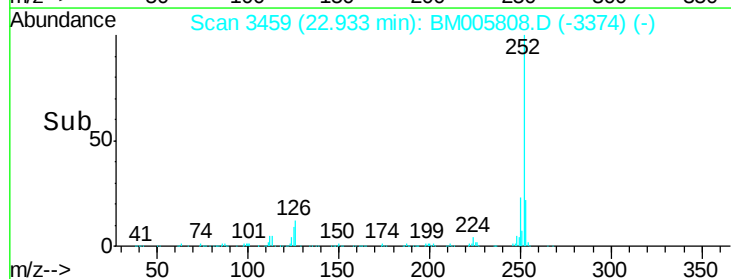
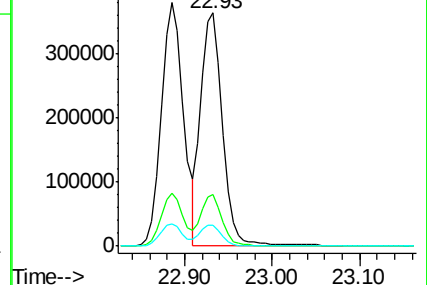
125 9.0 8.1 12.1

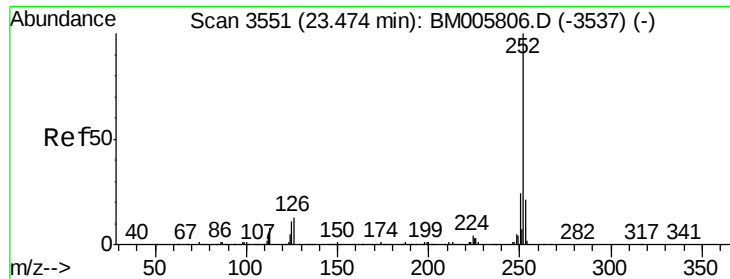


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 19.70 ng/ul

RT: 23.47 min Scan# 3550

Delta R.T. -0.01 min

Lab File: BM005808.D

Acq: 15 Jun 2016 17:50

Instrument :

BNA_M

ClientSampleId :

SSTD02042

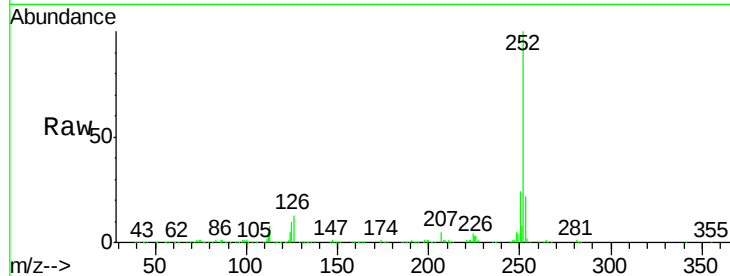
Tgt Ion:252 Resp: 599404

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

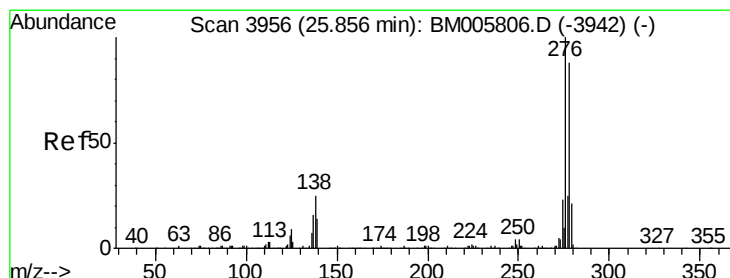
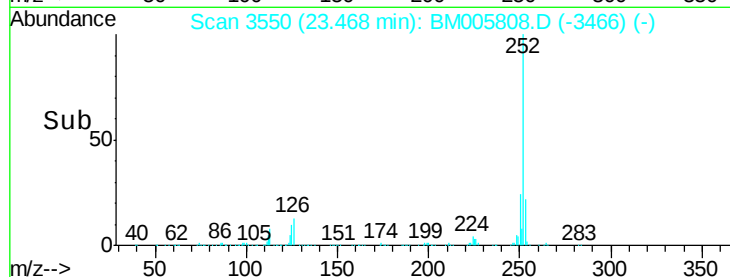
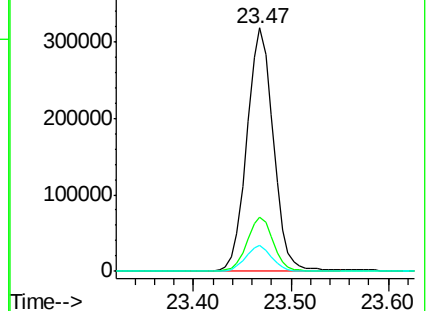
125 10.5 8.7 13.1



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



#39

Indeno(1,2,3-cd)pyrene

Concen: 17.91 ng/ul

RT: 25.85 min Scan# 3955

Delta R.T. -0.01 min

Lab File: BM005808.D

Acq: 15 Jun 2016 17:50

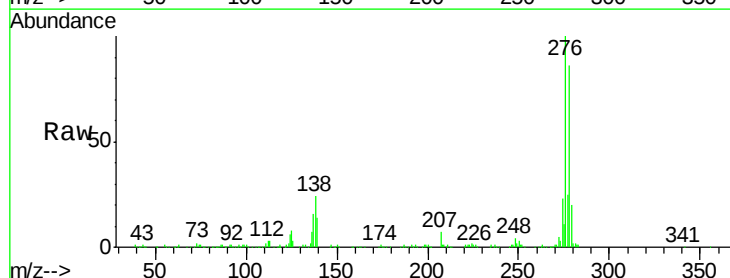
Tgt Ion:276 Resp: 625314

Ion Ratio Lower Upper

276 100

138 23.5 20.4 30.6

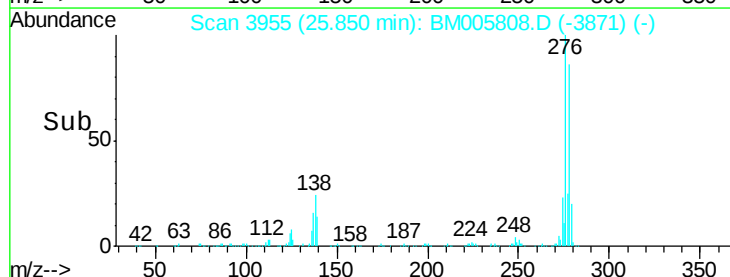
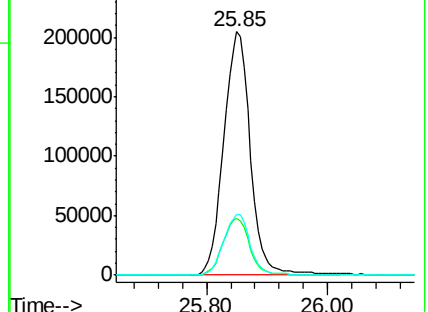
277 25.0 20.6 30.8

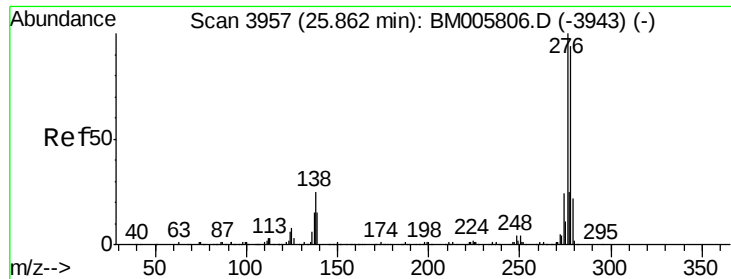


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 17.77 ng/ul

RT: 25.85 min Scan# 3955

Delta R.T. -0.01 min

Lab File: BM005808.D

Acq: 15 Jun 2016 17:50

Instrument :

BNA_M

ClientSampleId :

SSTD02042

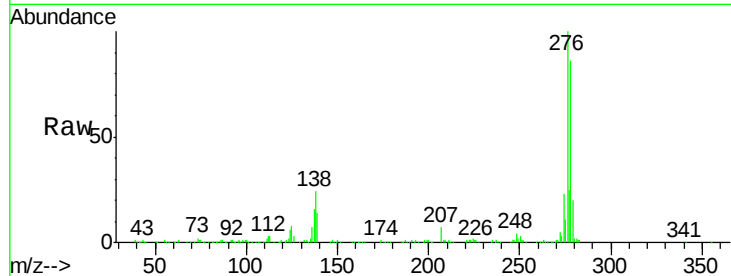
Tgt Ion:278 Resp: 518953

Ion Ratio Lower Upper

278 100

139 15.8 13.0 19.4

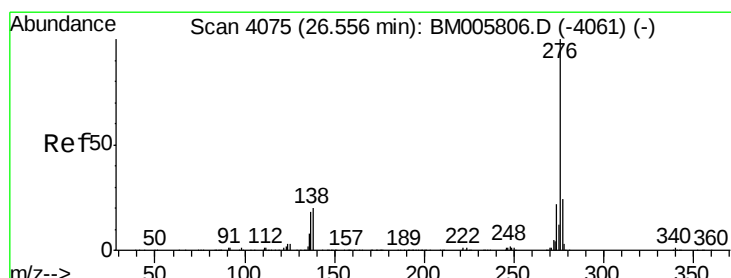
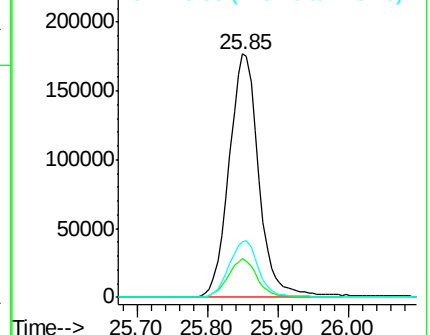
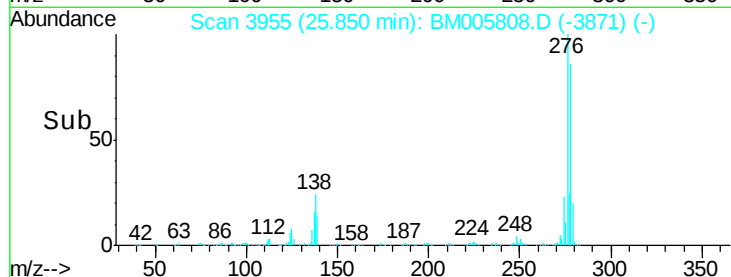
279 23.0 18.8 28.2



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



#41

Benzo(g,h,i)perylene

Concen: 17.51 ng/ul

RT: 26.55 min Scan# 4074

Delta R.T. -0.01 min

Lab File: BM005808.D

Acq: 15 Jun 2016 17:50

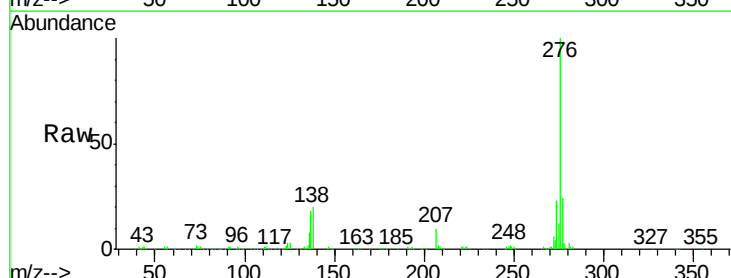
Tgt Ion:276 Resp: 529266

Ion Ratio Lower Upper

276 100

138 19.6 16.6 25.0

277 23.5 18.9 28.3



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

