

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071415\
 Data File : BM001910.D
 Acq On : 13 Jul 2015 23:23
 Operator : TP/UM
 Sample : SSTD3.247
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD3.247

Quant Time: Jul 14 04:21:34 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM071415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 14 04:19:54 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	1134	0.40	ng/ul	0.00
2) Naphthalene-d8	10.44	136	4583	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	2439	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.06	188	5070	0.40	ng/ul	0.00
16) Chrysene-d12	21.25	240	4713	0.40	ng/ul	0.00
20) Perylene-d12	23.47	264	4138	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.03	152	23445	3.95	ng/ul	-0.01
14) Fluoranthene-d10	19.09	212	47322	4.15	ng/ul	0.00

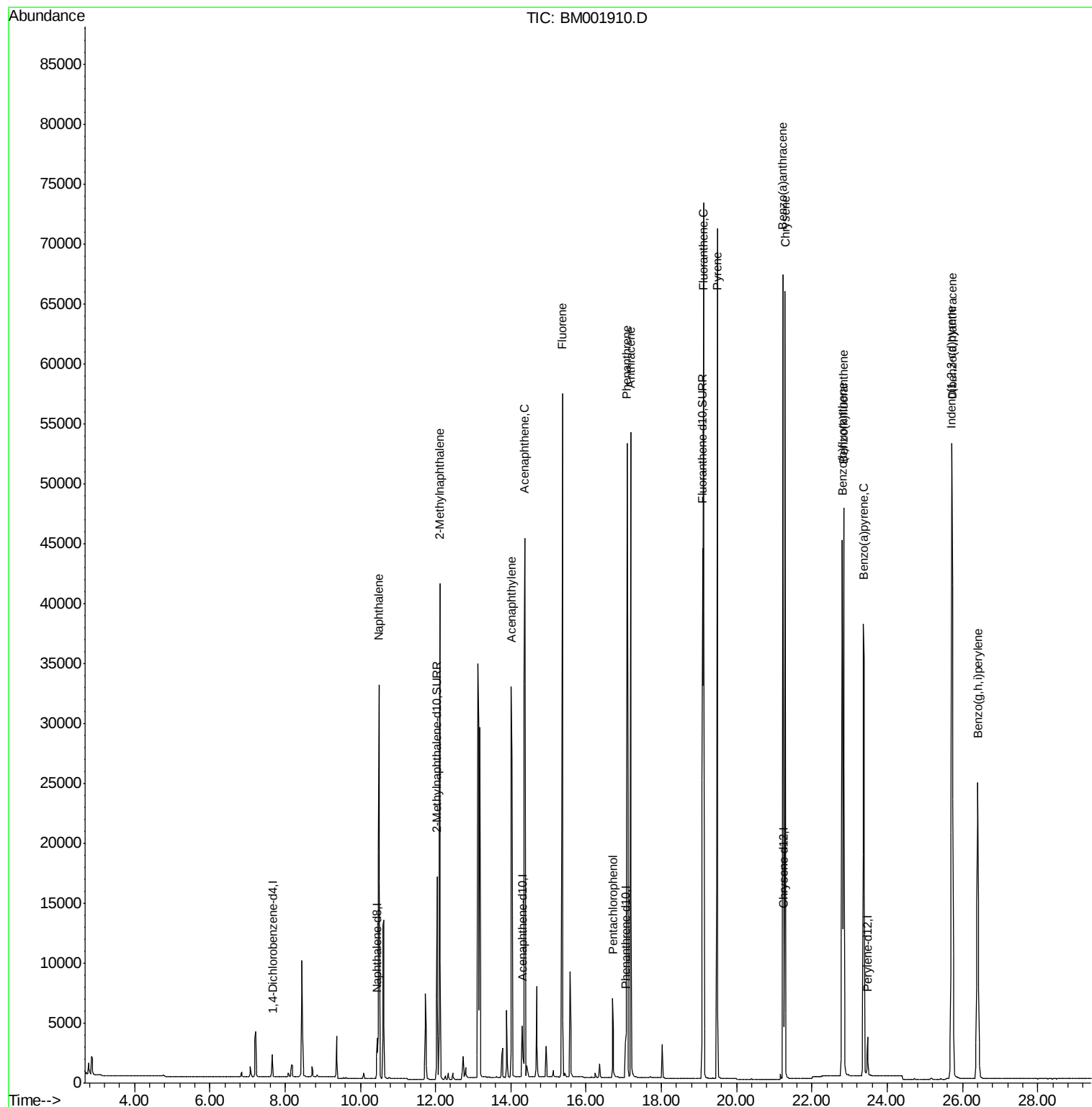
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.49	128	43916	3.52	ng/ul	97
5) 2-Methylnaphthalene	12.11	142	30307	3.79	ng/ul	99
7) Acenaphthylene	14.01	152	48780	3.96	ng/ul	97
8) Acenaphthene	14.37	153	32797	3.56	ng/ul	98
9) Fluorene	15.37	166	37939	3.66	ng/ul	99
11) Pentachlorophenol	16.70	266	5217	4.62	ng/ul	98
12) Phenanthrene	17.09	178	58495	3.70	ng/ul	97
13) Anthracene	17.18	178	57809	3.98	ng/ul	98
15) Fluoranthene	19.12	202	65948	3.89	ng/ul	97
17) Pyrene	19.48	202	67318	3.49	ng/ul	98
18) Benzo(a)anthracene	21.23	228	59843	3.76	ng/ul	99
19) Chrysene	21.28	228	57267	3.43	ng/ul	99
21) Benzo(b)fluoranthene	22.81	252	59080	3.56	ng/ul	96
22) Benzo(k)fluoranthene	22.85	252	52404	3.41	ng/ul	97
23) Benzo(a)pyrene	23.37	252	52929	3.59	ng/ul	94
24) Indeno(1,2,3-cd)pyrene	25.71	276	57522	3.42	ng/ul	99
25) Dibenzo(a,h)anthracene	25.73	278	46226	3.39	ng/ul	96
26) Benzo(g,h,i)perylene	26.40	276	48474	3.30	ng/ul	98

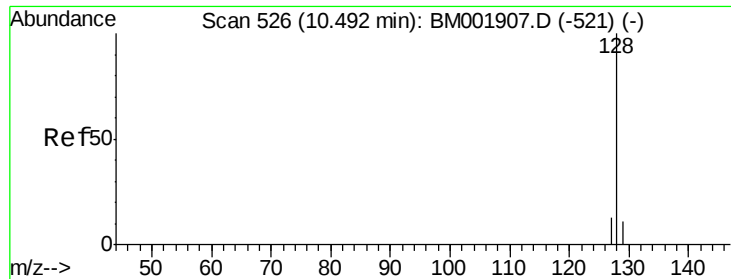
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 3.52 ng/ul

RT: 10.49 min Scan# 526

Delta R.T. 0.00 min

Lab File: BM001910.D

Acq: 13 Jul 2015 23:23

Instrument :

BNA_M

ClientSampleId :

SSTD3.247

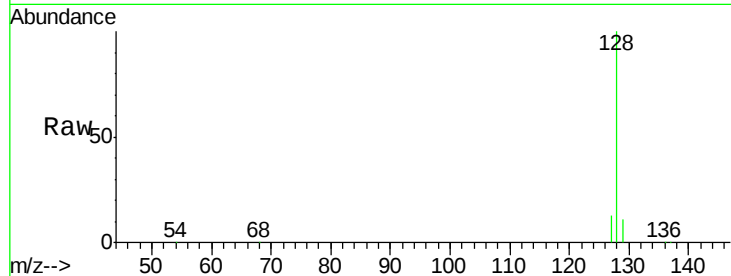
Tgt Ion:128 Resp: 43916

Ion Ratio Lower Upper

128 100

129 11.0 9.6 14.4

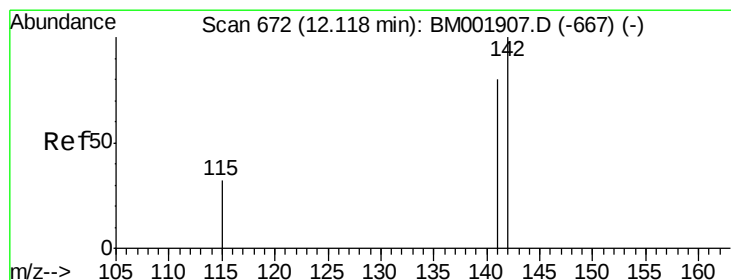
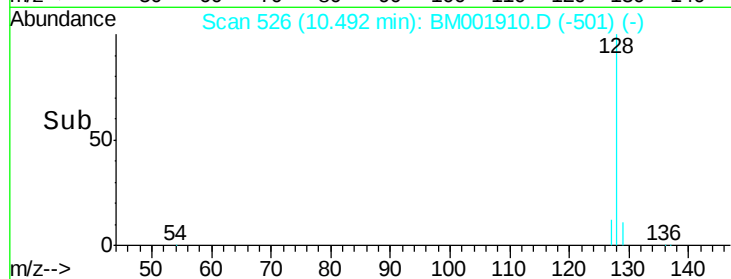
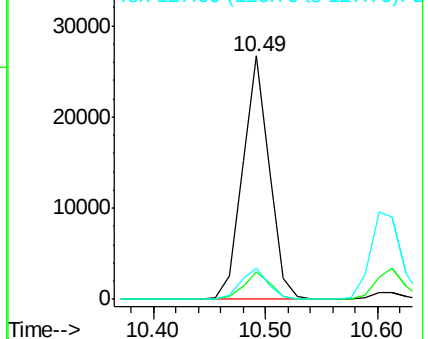
127 12.5 11.0 16.6



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



#5

2-Methylnaphthalene

Concen: 3.79 ng/ul

RT: 12.11 min Scan# 671

Delta R.T. -0.01 min

Lab File: BM001910.D

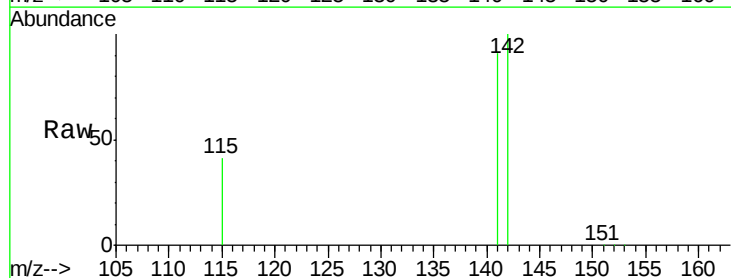
Acq: 13 Jul 2015 23:23

Tgt Ion:142 Resp: 30307

Ion Ratio Lower Upper

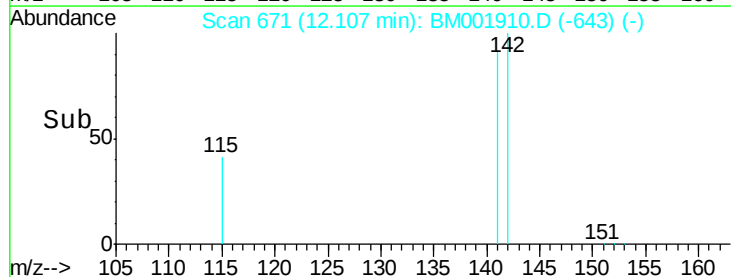
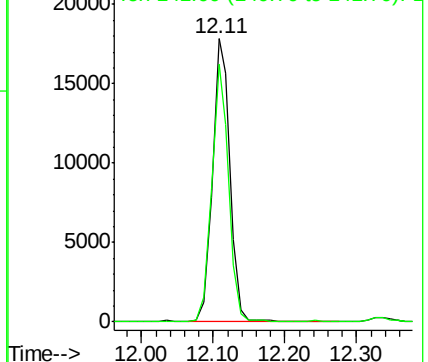
142 100

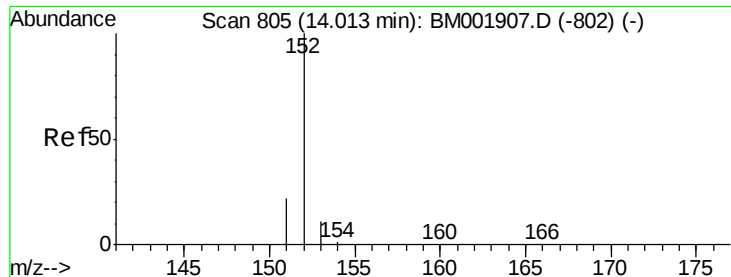
141 87.9 70.7 106.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 3.96 ng/ul

RT: 14.01 min Scan# 805

Delta R.T. 0.00 min

Lab File: BM001910.D

Acq: 13 Jul 2015 23:23

Instrument :

BNA_M

ClientSampleId :

SSTD3.247

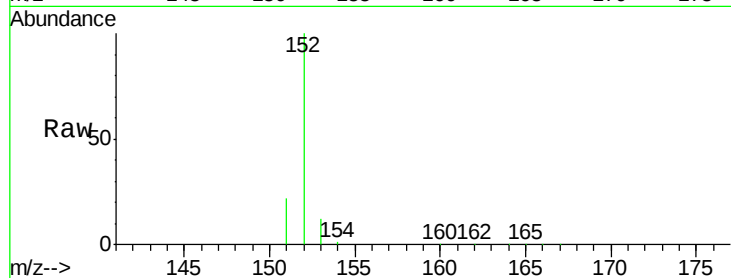
Tgt Ion:152 Resp: 48780

Ion Ratio Lower Upper

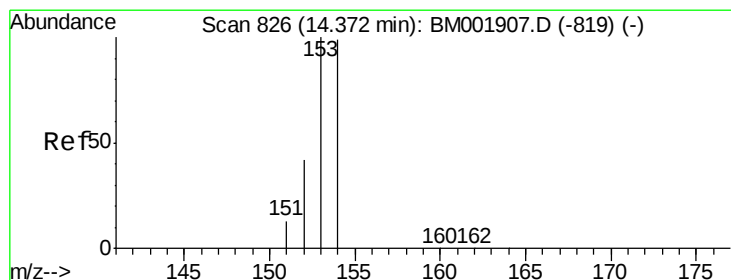
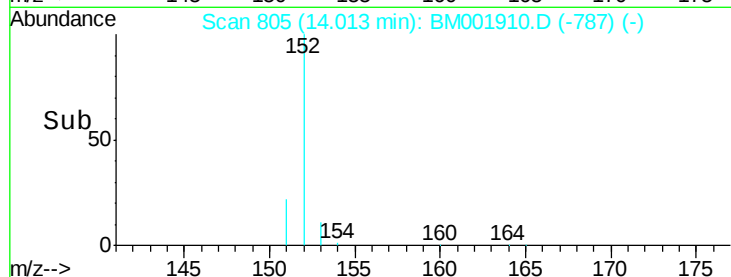
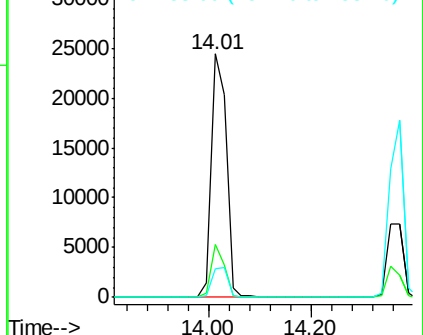
152 100

151 21.7 18.5 27.7

153 11.6 10.3 15.5



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



#8

Acenaphthene

Concen: 3.56 ng/ul

RT: 14.37 min Scan# 826

Delta R.T. 0.00 min

Lab File: BM001910.D

Acq: 13 Jul 2015 23:23

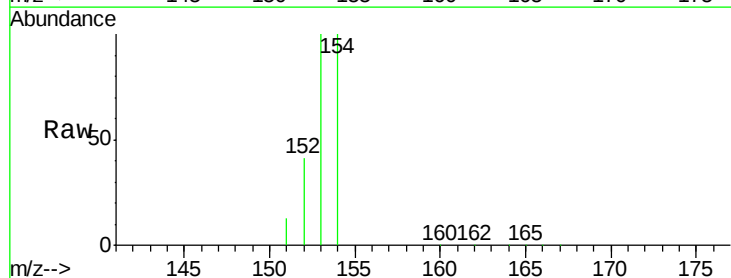
Tgt Ion:153 Resp: 32797

Ion Ratio Lower Upper

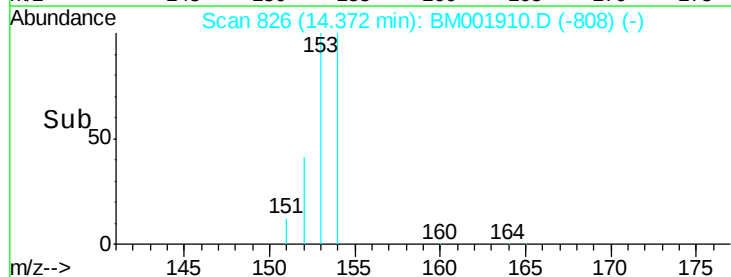
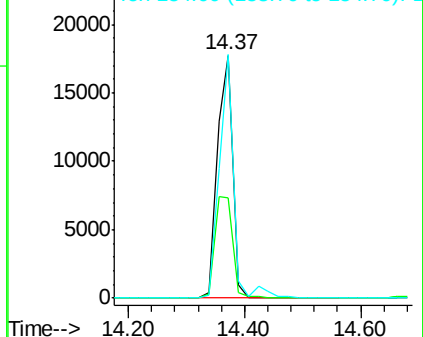
153 100

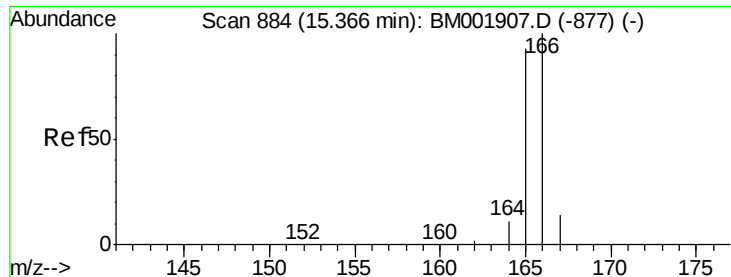
152 41.5 34.9 52.3

154 100.3 79.0 118.4



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

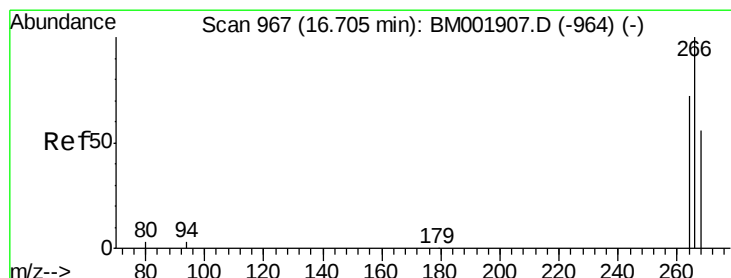
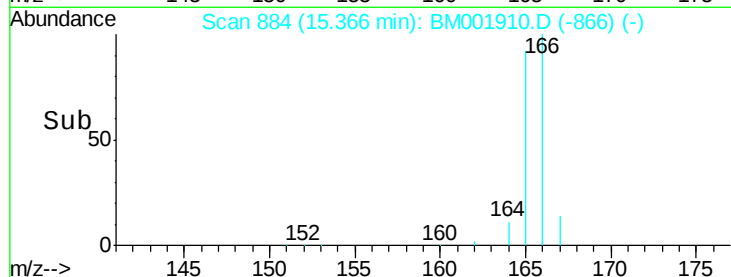
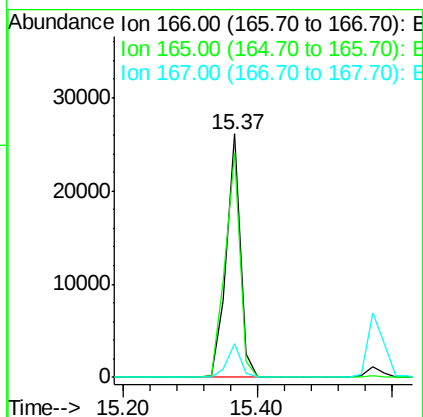
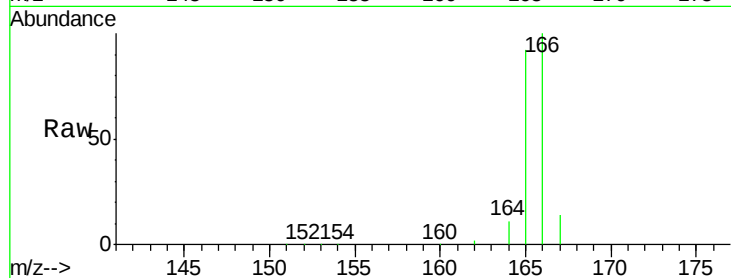




#9
Fluorene
 Concen: 3.66 ng/ul
 RT: 15.37 min Scan# 884
 Delta R.T. 0.00 min
 Lab File: BM001910.D
 Acq: 13 Jul 2015 23:23

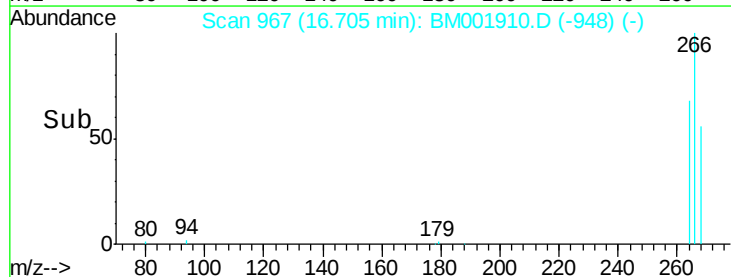
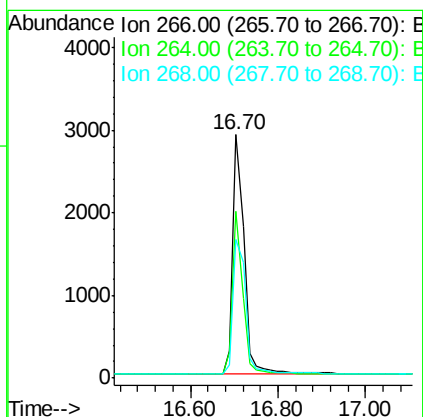
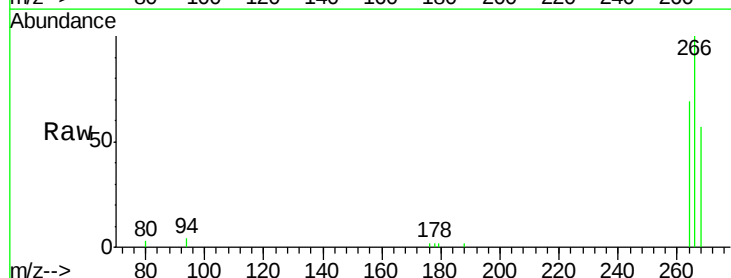
Instrument :
 BNA_M
 ClientSampleId :
 SSTD3.247

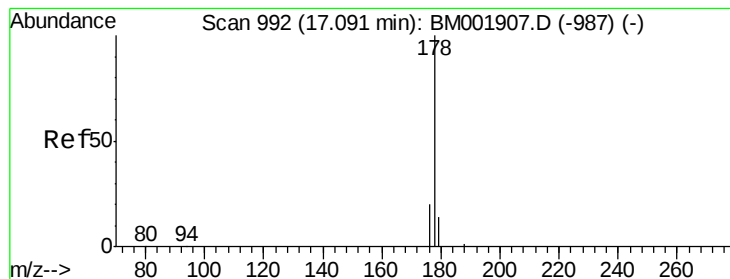
Tgt Ion:166 Resp: 37939
 Ion Ratio Lower Upper
 166 100
 165 92.0 74.4 111.6
 167 13.9 12.0 18.0



#11
Pentachlorophenol
 Concen: 4.62 ng/ul
 RT: 16.70 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: BM001910.D
 Acq: 13 Jul 2015 23:23

Tgt Ion:266 Resp: 5217
 Ion Ratio Lower Upper
 266 100
 264 63.1 49.9 74.9
 268 63.4 52.1 78.1





#12

Phenanthrene

Concen: 3.70 ng/ul

RT: 17.09 min Scan# 992

Delta R.T. 0.00 min

Lab File: BM001910.D

Acq: 13 Jul 2015 23:23

Instrument :

BNA_M

ClientSampleId :

SSTD3.247

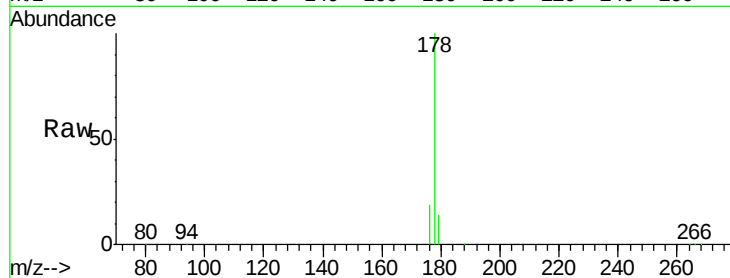
Tgt Ion:178 Resp: 58495

Ion Ratio Lower Upper

178 100

176 19.4 16.6 25.0

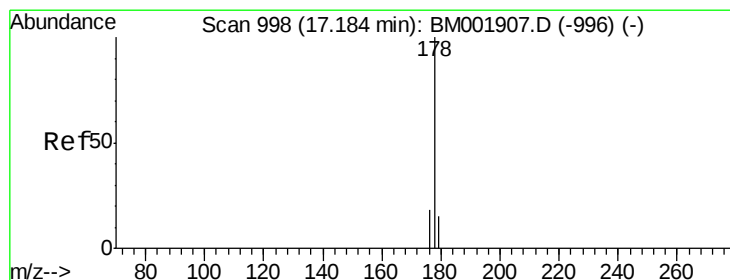
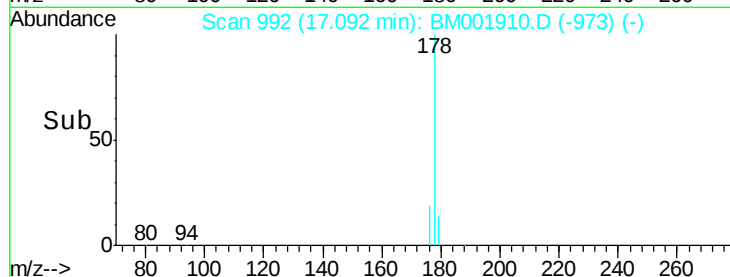
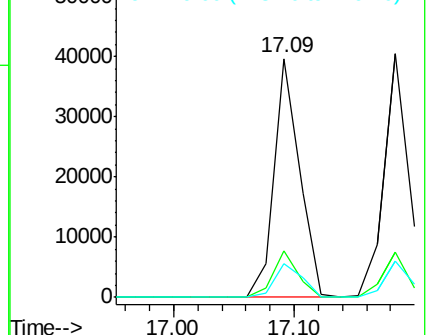
179 14.4 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#13

Anthracene

Concen: 3.98 ng/ul

RT: 17.18 min Scan# 998

Delta R.T. 0.00 min

Lab File: BM001910.D

Acq: 13 Jul 2015 23:23

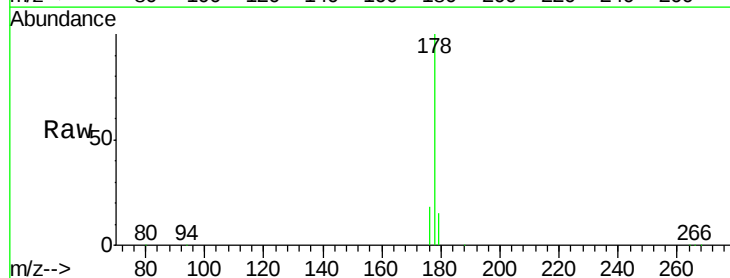
Tgt Ion:178 Resp: 57809

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.2

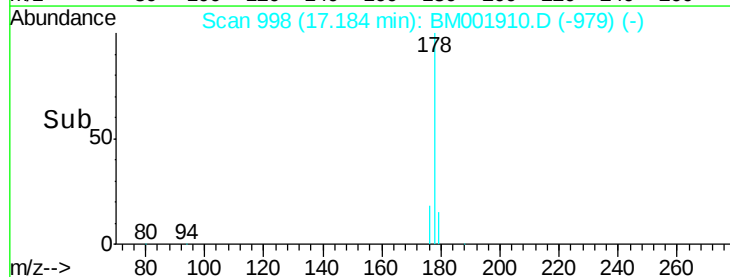
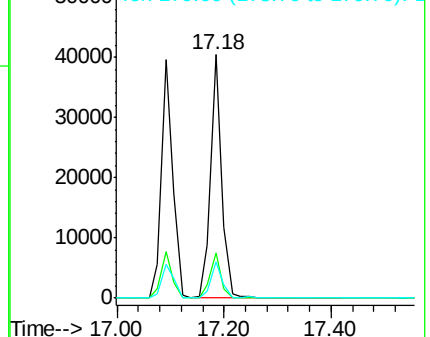
179 15.0 12.6 18.8

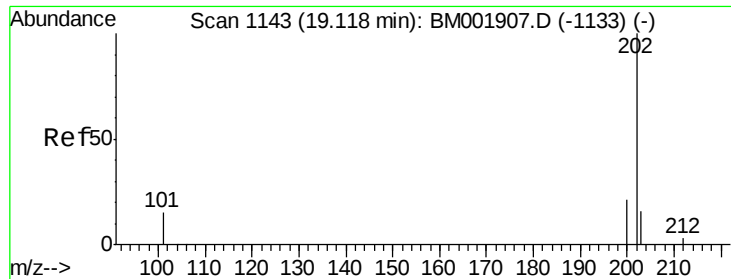


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 3.89 ng/ul

RT: 19.12 min Scan# 1143

Delta R.T. 0.00 min

Lab File: BM001910.D

Acq: 13 Jul 2015 23:23

Instrument :

BNA_M

ClientSampleId :

SSTD3.247

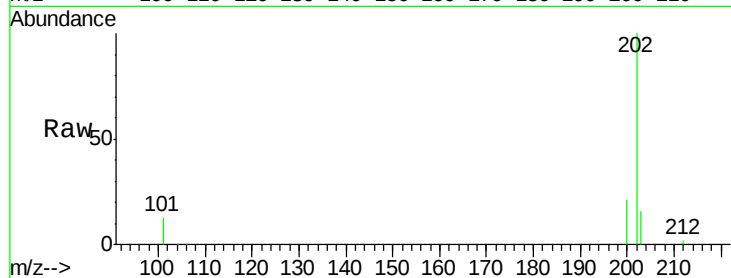
Tgt Ion:202 Resp: 65948

Ion Ratio Lower Upper

202 100

101 13.1 0.0 35.3

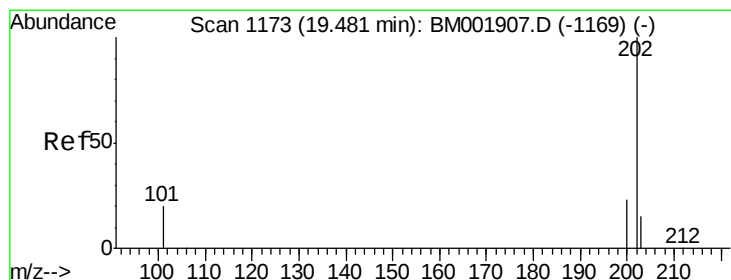
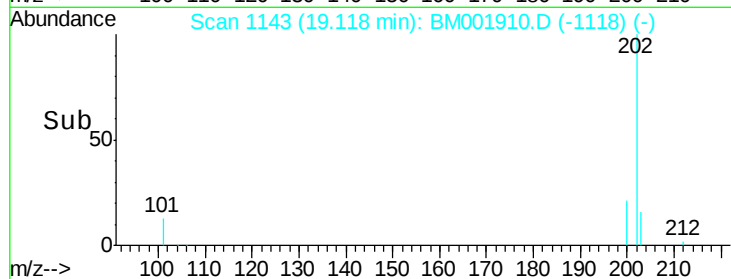
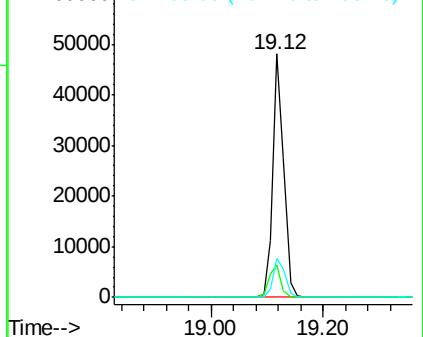
203 16.1 0.0 36.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#17

Pyrene

Concen: 3.49 ng/ul

RT: 19.48 min Scan# 1173

Delta R.T. 0.00 min

Lab File: BM001910.D

Acq: 13 Jul 2015 23:23

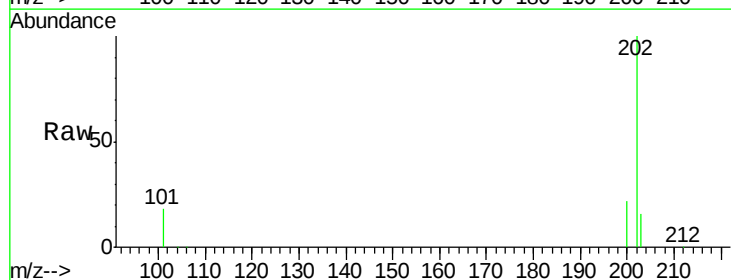
Tgt Ion:202 Resp: 67318

Ion Ratio Lower Upper

202 100

200 22.3 18.7 28.1

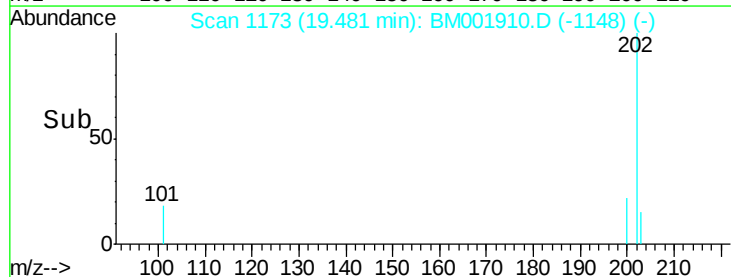
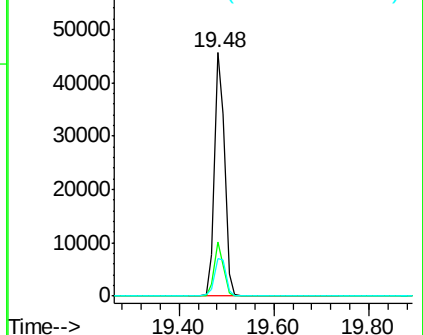
203 15.6 13.0 19.4

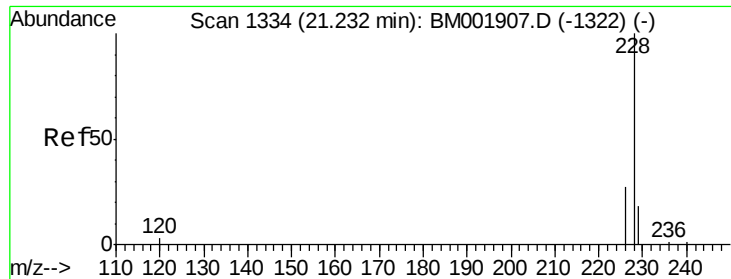


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 3.76 ng/ul

RT: 21.23 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BM001910.D

Acq: 13 Jul 2015 23:23

Instrument :

BNA_M

ClientSampleId :

SSTD3.247

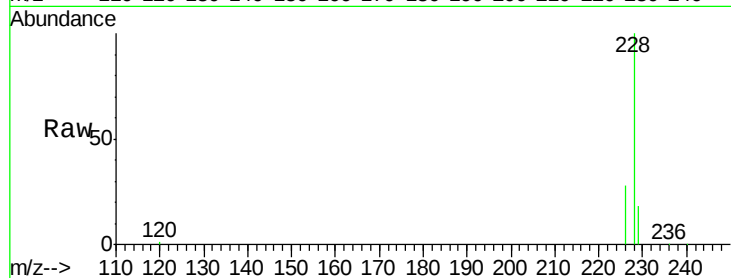
Tgt Ion:228 Resp: 59843

Ion Ratio Lower Upper

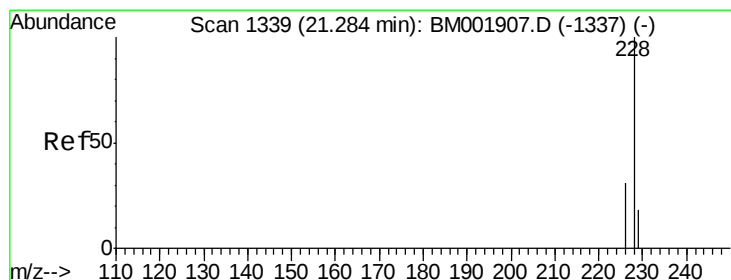
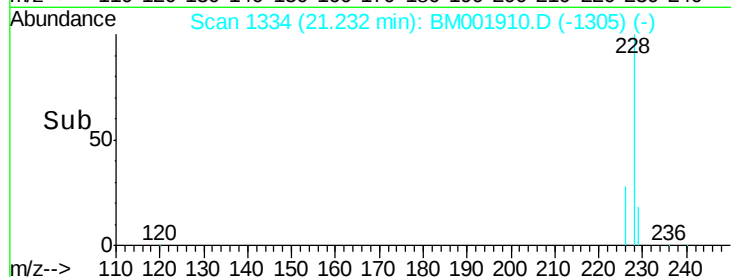
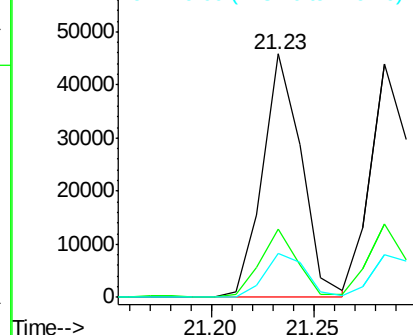
228 100

226 27.9 22.3 33.5

229 18.2 15.2 22.8



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



#19

Chrysene

Concen: 3.43 ng/ul

RT: 21.28 min Scan# 1339

Delta R.T. 0.00 min

Lab File: BM001910.D

Acq: 13 Jul 2015 23:23

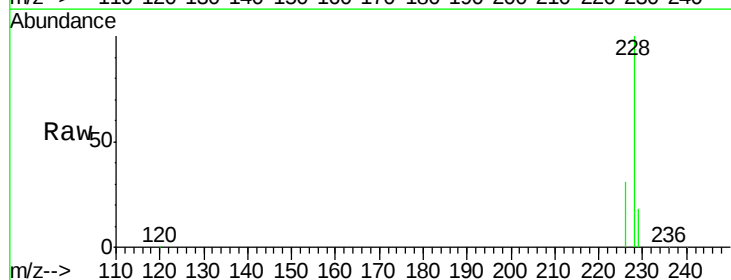
Tgt Ion:228 Resp: 57267

Ion Ratio Lower Upper

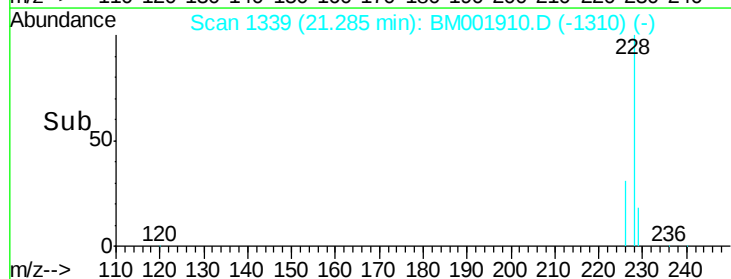
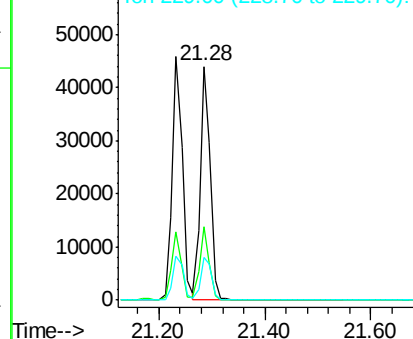
228 100

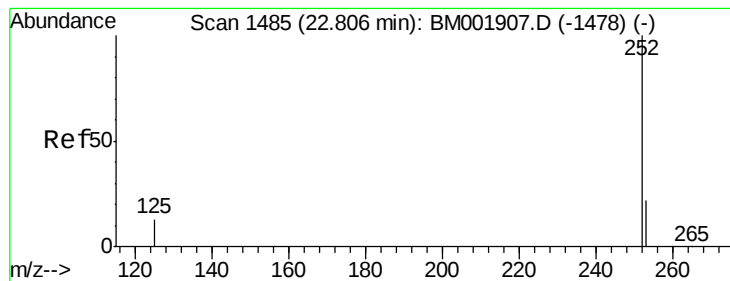
226 31.4 25.7 38.5

229 18.2 14.8 22.2



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





#21

Benzo(b)fluoranthene

Concen: 3.56 ng/ul

RT: 22.81 min Scan# 1485

Delta R.T. 0.00 min

Lab File: BM001910.D

Acq: 13 Jul 2015 23:23

Instrument :

BNA_M

ClientSampleId :

SSTD3.247

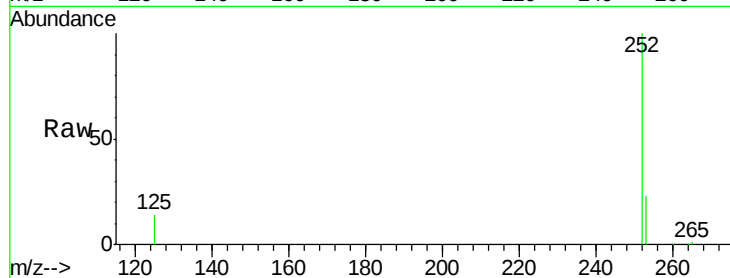
Tgt Ion:252 Resp: 59080

Ion Ratio Lower Upper

252 100

253 22.6 0.0 49.0

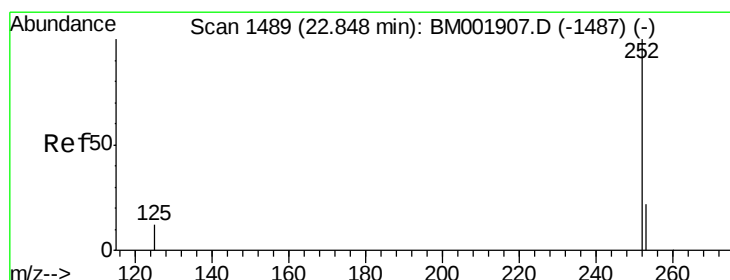
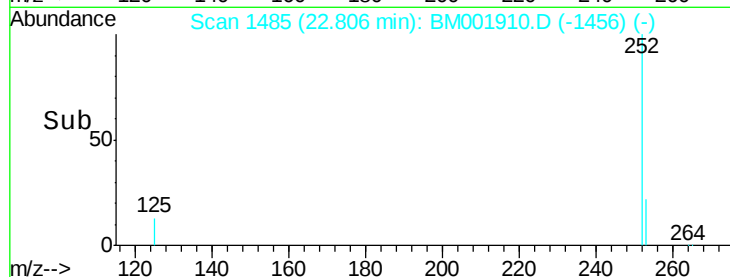
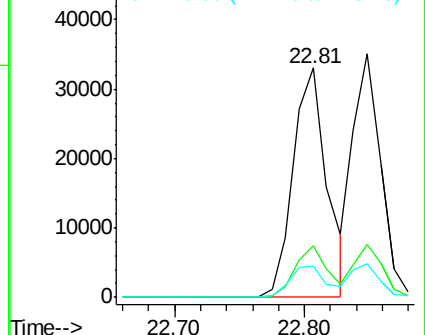
125 13.6 0.0 31.0



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



#22

Benzo(k)fluoranthene

Concen: 3.41 ng/ul

RT: 22.85 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BM001910.D

Acq: 13 Jul 2015 23:23

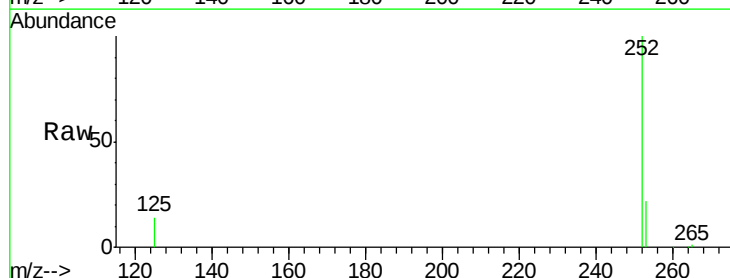
Tgt Ion:252 Resp: 52404

Ion Ratio Lower Upper

252 100

253 21.9 18.7 28.1

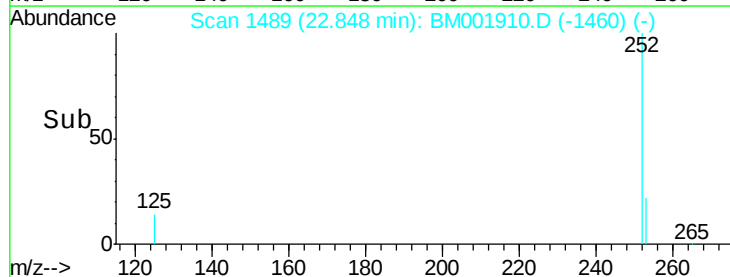
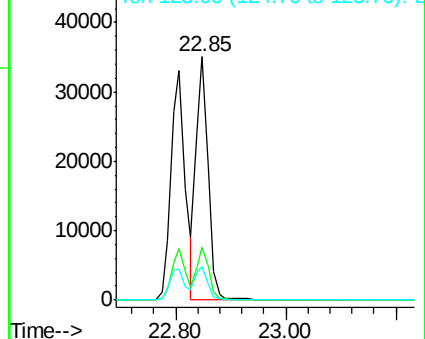
125 14.0 12.5 18.7

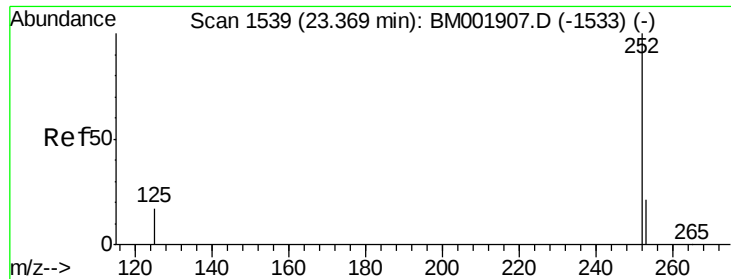


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 3.59 ng/ul

RT: 23.37 min Scan# 1539

Delta R.T. 0.00 min

Lab File: BM001910.D

Acq: 13 Jul 2015 23:23

Instrument :

BNA_M

ClientSampleId :

SSTD3.247

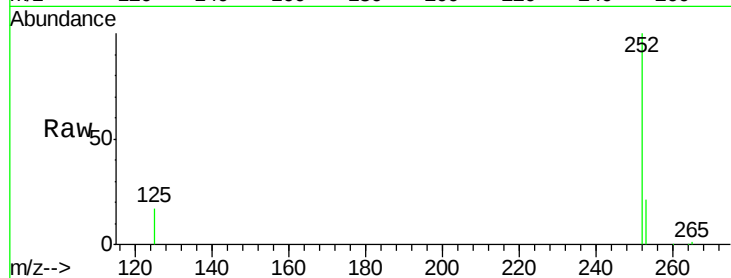
Tgt Ion:252 Resp: 52929

Ion Ratio Lower Upper

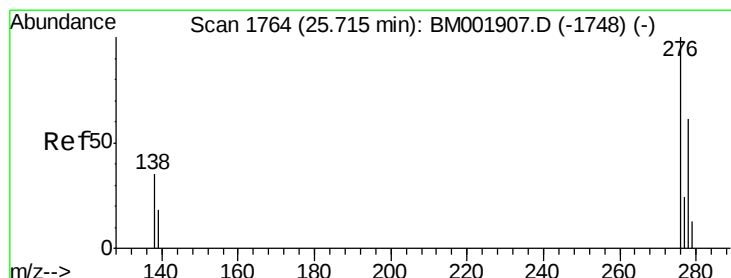
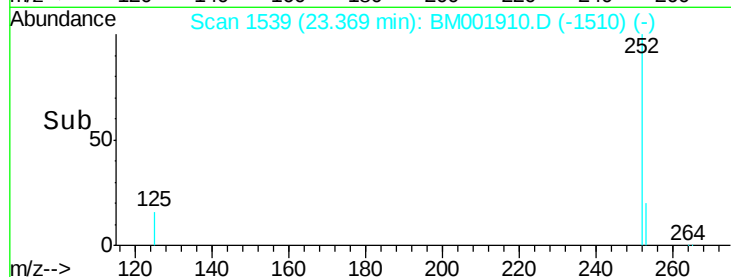
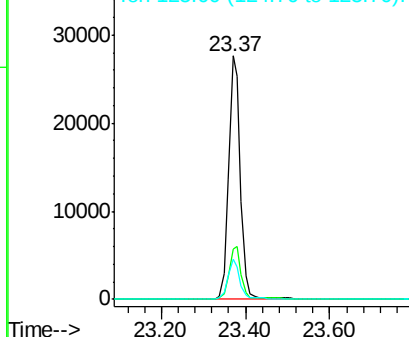
252 100

253 20.7 18.6 27.8

125 16.5 15.4 23.2



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

Indeno(1,2,3-cd)pyrene

Concen: 3.42 ng/ul

RT: 25.71 min Scan# 1764

Delta R.T. 0.00 min

Lab File: BM001910.D

Acq: 13 Jul 2015 23:23

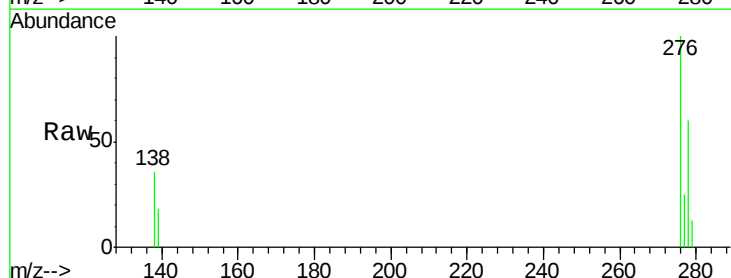
Tgt Ion:276 Resp: 57522

Ion Ratio Lower Upper

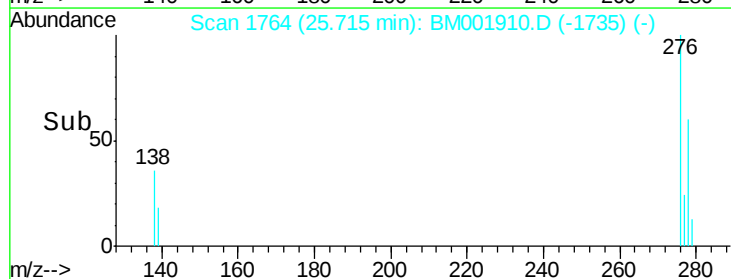
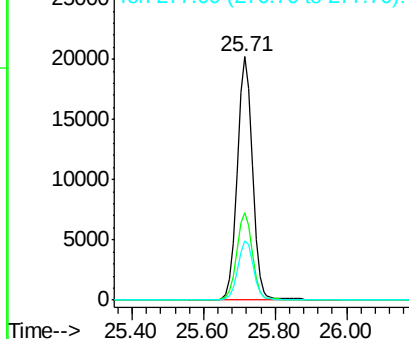
276 100

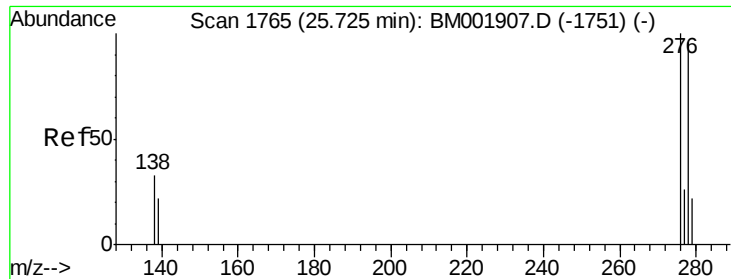
138 36.2 28.5 42.7

277 24.7 19.6 29.4



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

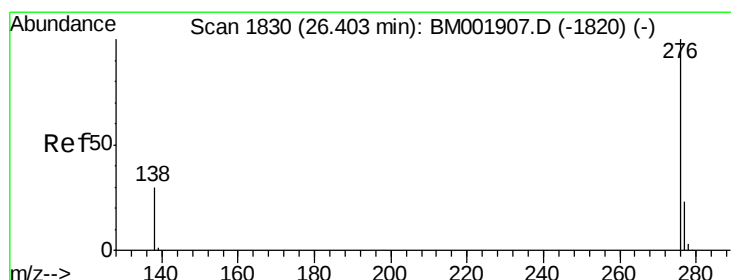
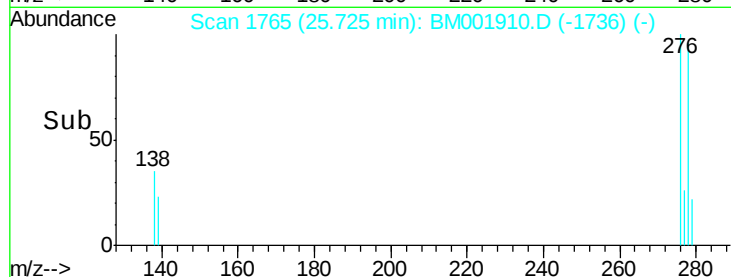
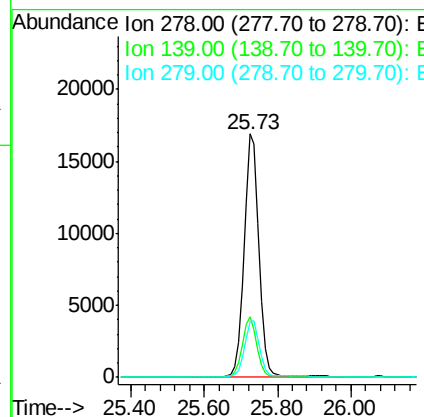
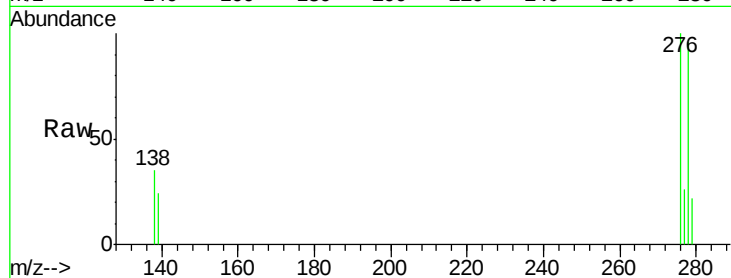




#25
Dibenzo(a,h)anthracene
Concen: 3.39 ng/ul
RT: 25.73 min Scan# 1765
Delta R.T. 0.00 min
Lab File: BM001910.D
Acq: 13 Jul 2015 23:23

Instrument :
BNA_M
ClientSampleId :
SSTD3.247

Tgt Ion:278 Resp: 46226
Ion Ratio Lower Upper
278 100
139 24.7 20.6 31.0
279 22.9 20.3 30.5



#26
Benzo(g,h,i)perylene
Concen: 3.30 ng/ul
RT: 26.40 min Scan# 1830
Delta R.T. 0.00 min
Lab File: BM001910.D
Acq: 13 Jul 2015 23:23

Tgt Ion:276 Resp: 48474
Ion Ratio Lower Upper
276 100
277 23.5 20.1 30.1
138 30.9 25.5 38.3

