

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120616\
 Data File : BM008194.D
 Acq On : 06 Dec 2016 20:40
 Operator : UM/SJ
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.466

Quant Time: Dec 07 05:59:38 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 07 05:56:15 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	354	0.40	ng/ul	0.00
2) Naphthalene-d8	10.50	136	1292	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.35	164	787	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.11	188	1415	0.40	ng/ul	0.00
16) Chrysene-d12	21.30	240	1094	0.40	ng/ul	0.00
20) Perylene-d12	23.54	264	1036	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	741	0.41	ng/ul	0.01
14) Fluoranthene-d10	19.14	212	2052	0.51	ng/ul	0.00

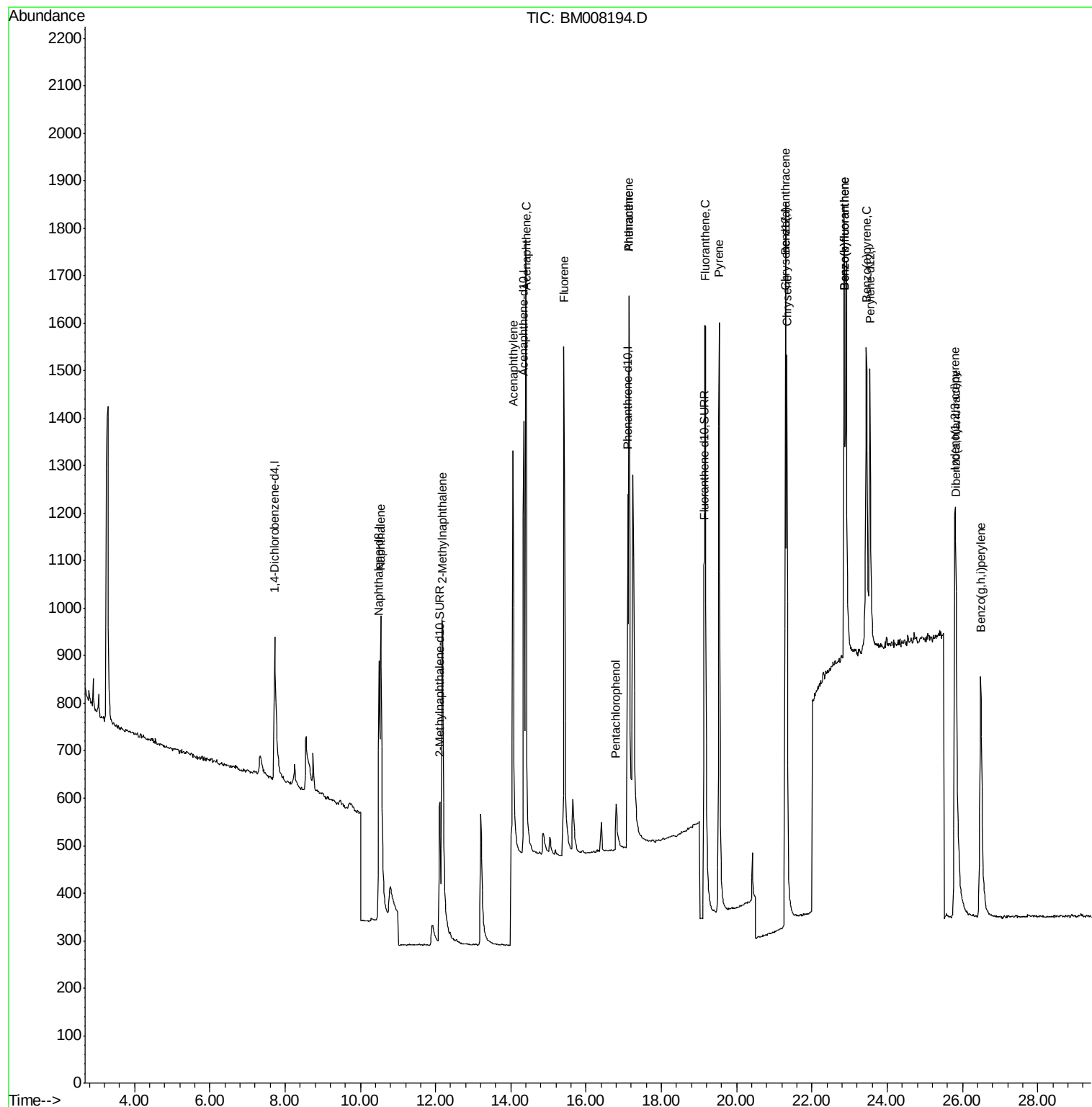
Target Compounds				Qvalue		
3) Naphthalene	10.55	128	1405	0.39	ng/ul#	87
5) 2-Methylnaphthalene	12.18	142	915	0.39	ng/ul	97
7) Acenaphthylene	14.06	152	1363	0.38	ng/ul#	92
8) Acenaphthene	14.40	153	1044	0.39	ng/ul	96
9) Fluorene	15.41	166	1181	0.38	ng/ul	85
11) Pentachlorophenol	16.80	266	140	0.28	ng/ul	87
12) Phenanthrene	17.14	178	1684	0.38	ng/ul#	94
13) Anthracene	17.14	178	1683	0.41	ng/ul	95
15) Fluoranthene	19.17	202	1862	0.33	ng/ul	94
17) Pyrene	19.54	202	1929	0.51	ng/ul	94
18) Benzo(a)anthracene	21.29	228	1256	0.37	ng/ul	93
19) Chrysene	21.34	228	1674	0.40	ng/ul	92
21) Benzo(b)fluoranthene	22.86	252	1392	0.34	ng/ul	94
22) Benzo(k)fluoranthene	22.86	252	1392	0.33	ng/ul	93
23) Benzo(a)pyrene	23.44	252	1441	0.37	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	25.80	276	1779	0.37	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.82	278	1386	0.36	ng/ul#	82
26) Benzo(g,h,i)perylene	26.49	276	1594	0.38	ng/ul#	93

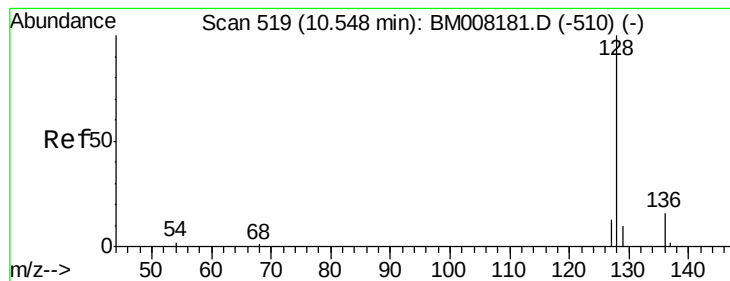
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.39 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. -0.00 min

Lab File: BM008194.D

Acq: 06 Dec 2016 20:40

Instrument :

BNA_M

ClientSampleId :

SSTD0.466

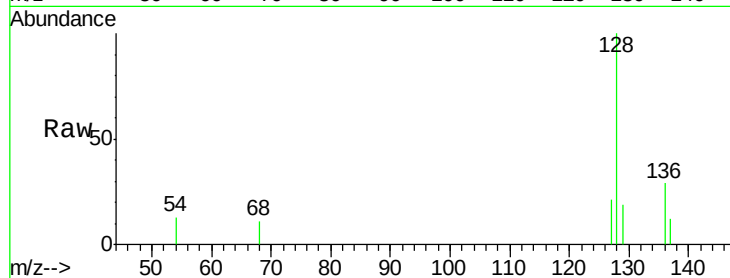
Tgt Ion:128 Resp: 1405

Ion Ratio Lower Upper

128 100

129 19.5 11.3 16.9#

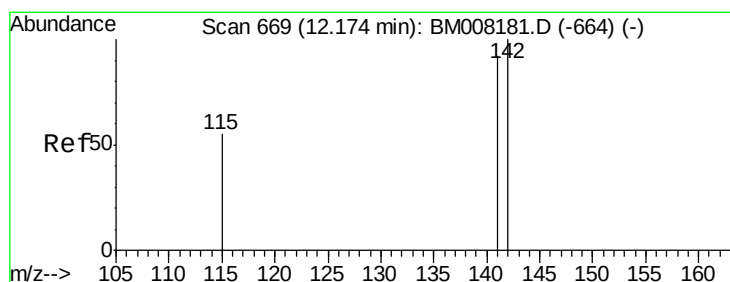
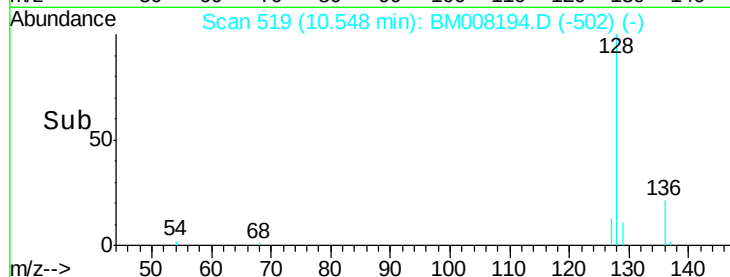
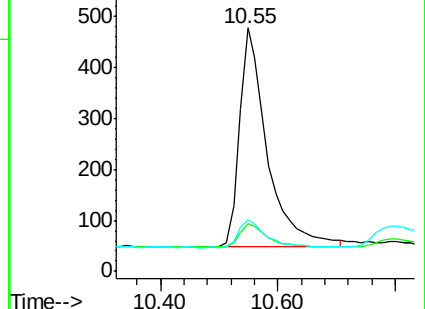
127 21.4 12.8 19.2#



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: 0.39 ng/ul

RT: 12.18 min Scan# 670

Delta R.T. 0.01 min

Lab File: BM008194.D

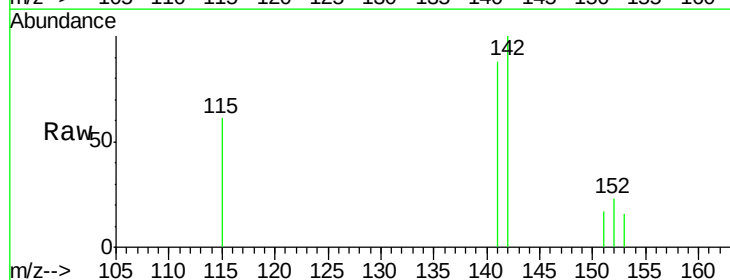
Acq: 06 Dec 2016 20:40

Tgt Ion:142 Resp: 915

Ion Ratio Lower Upper

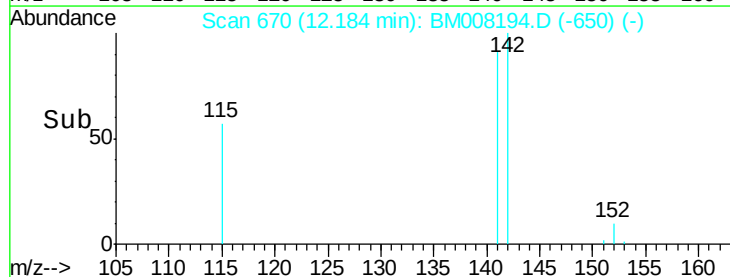
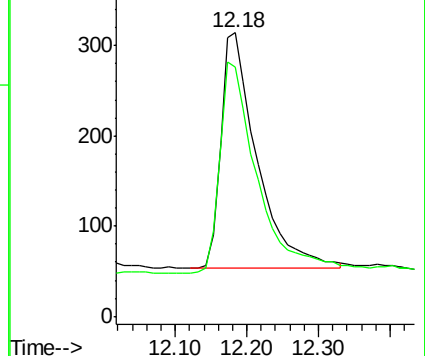
142 100

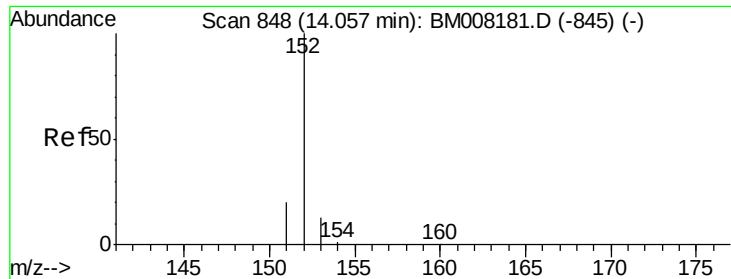
141 93.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.38 ng/ul

RT: 14.06 min Scan# 848

Delta R.T. -0.00 min

Lab File: BM008194.D

Acq: 06 Dec 2016 20:40

Instrument :

BNA_M

ClientSampleId :

SSTD0.466

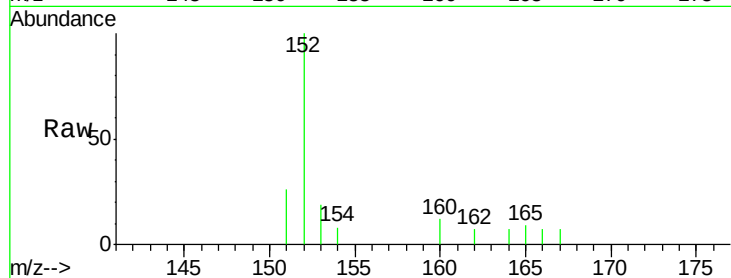
Tgt Ion:152 Resp: 1363

Ion Ratio Lower Upper

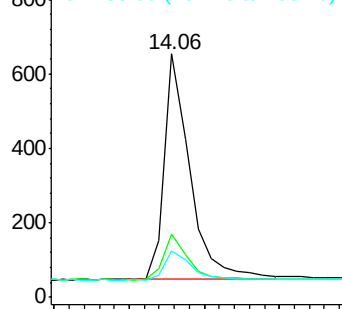
152 100

151 25.7 17.1 25.7#

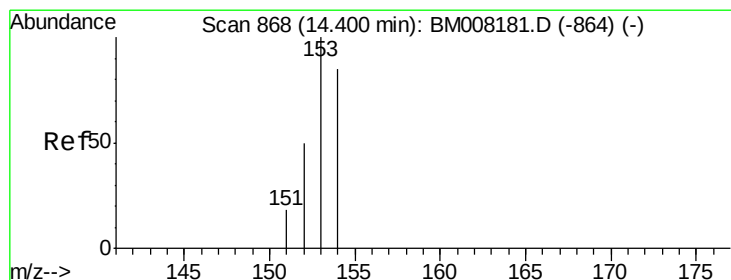
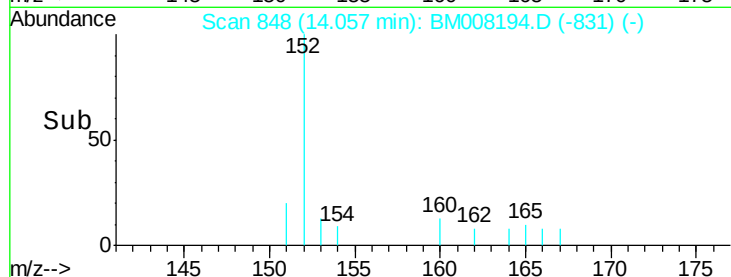
153 19.0 12.8 19.2



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



Time--> 13.90 14.00 14.10 14.20



#8

Acenaphthene

Concen: 0.39 ng/ul

RT: 14.40 min Scan# 868

Delta R.T. -0.00 min

Lab File: BM008194.D

Acq: 06 Dec 2016 20:40

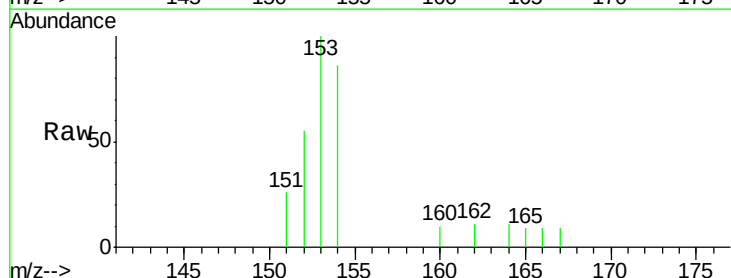
Tgt Ion:153 Resp: 1044

Ion Ratio Lower Upper

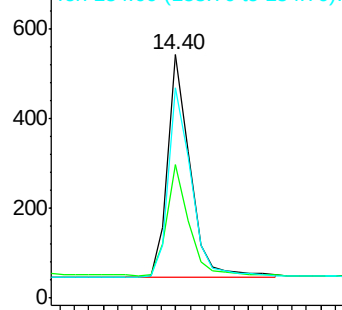
153 100

152 55.1 40.3 60.5

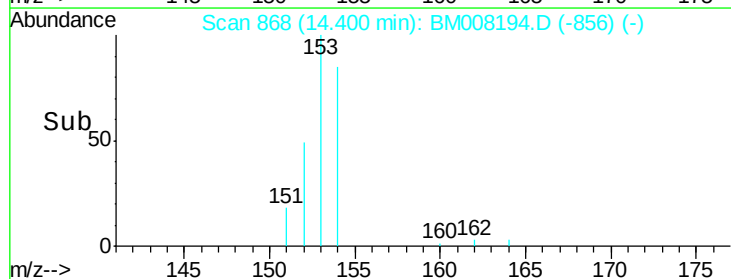
154 86.4 71.4 107.2

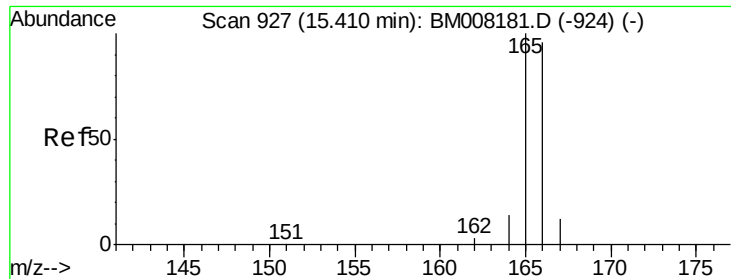


Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



Time--> 14.30 14.40 14.50 14.60

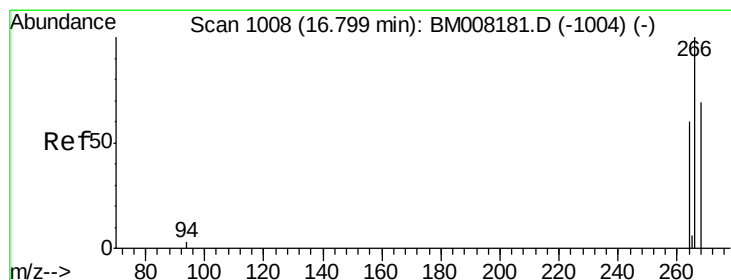
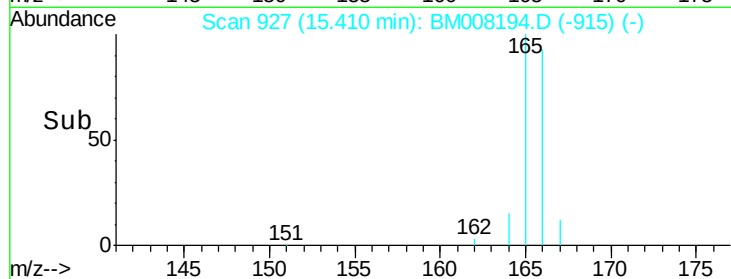
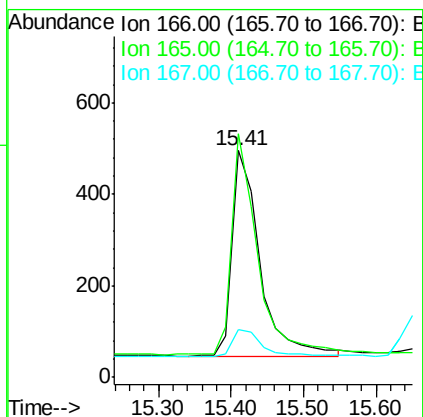
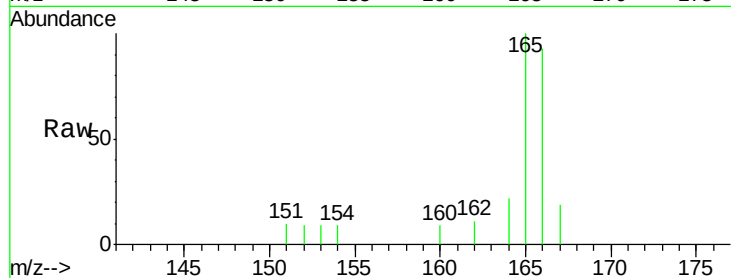




#9
Fluorene
 Concen: 0.38 ng/ul
 RT: 15.41 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: BM008194.D
 Acq: 06 Dec 2016 20:40

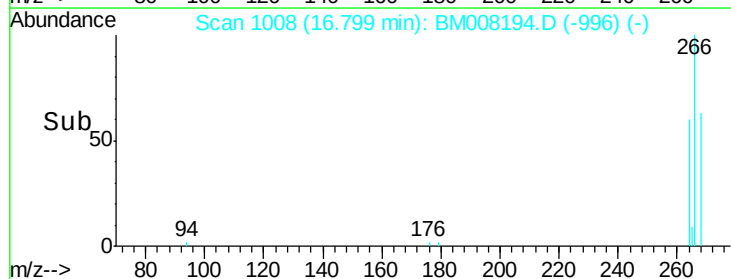
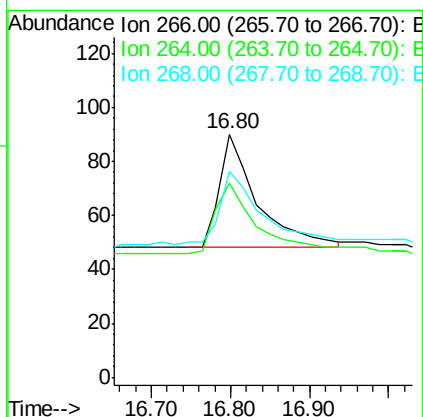
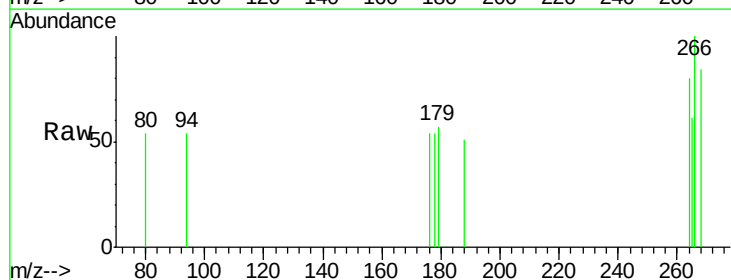
Instrument :
 BNA_M
 ClientSampleId :
 SST0.466

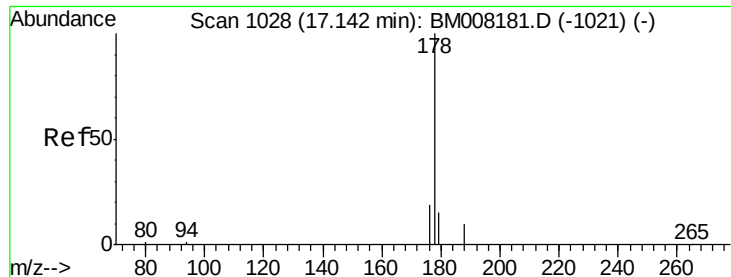
Tgt Ion:166 Resp: 1181
 Ion Ratio Lower Upper
 166 100
 165 107.5 73.4 110.2
 167 20.8 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.28 ng/ul
 RT: 16.80 min Scan# 1008
 Delta R.T. -0.00 min
 Lab File: BM008194.D
 Acq: 06 Dec 2016 20:40

Tgt Ion:266 Resp: 140
 Ion Ratio Lower Upper
 266 100
 264 67.1 47.9 71.9
 268 74.3 49.8 74.8





#12

Phenanthrene

Concen: 0.38 ng/ul

RT: 17.14 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BM008194.D

Acq: 06 Dec 2016 20:40

Instrument :

BNA_M

ClientSampleId :

SSTD0.466

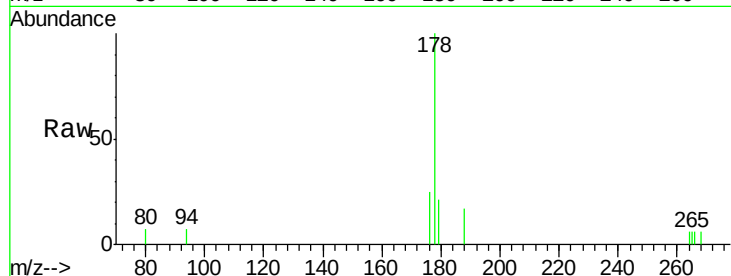
Tgt Ion:178 Resp: 1684

Ion Ratio Lower Upper

178 100

176 24.8 18.4 27.6

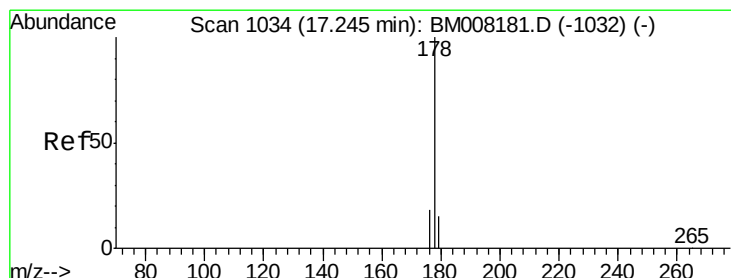
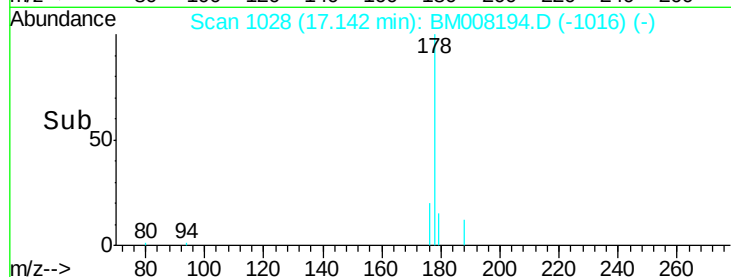
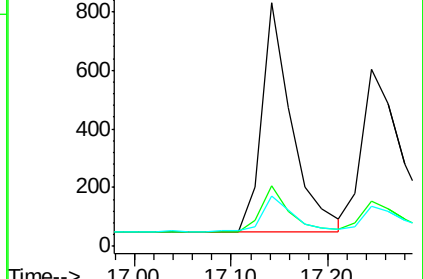
179 20.6 13.6 20.4#



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: 0.41 ng/ul

RT: 17.14 min Scan# 1028

Delta R.T. -0.10 min

Lab File: BM008194.D

Acq: 06 Dec 2016 20:40

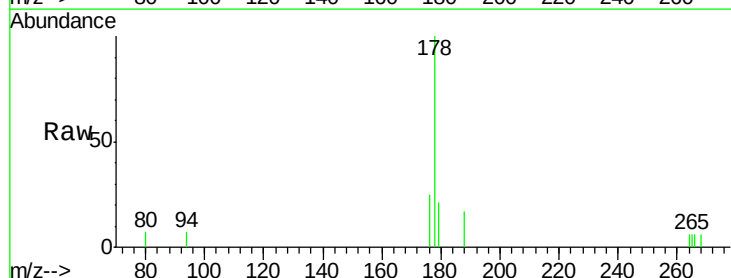
Tgt Ion:178 Resp: 1683

Ion Ratio Lower Upper

178 100

176 24.8 18.1 27.1

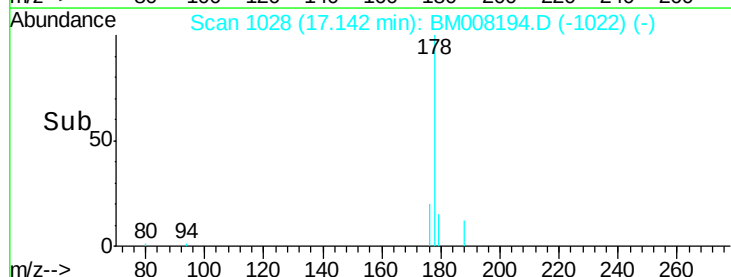
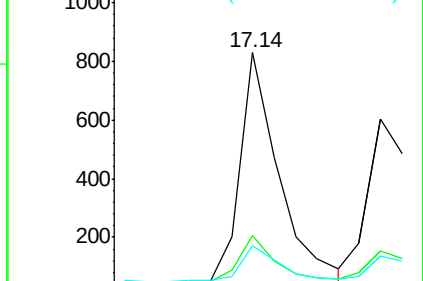
179 20.6 14.7 22.1

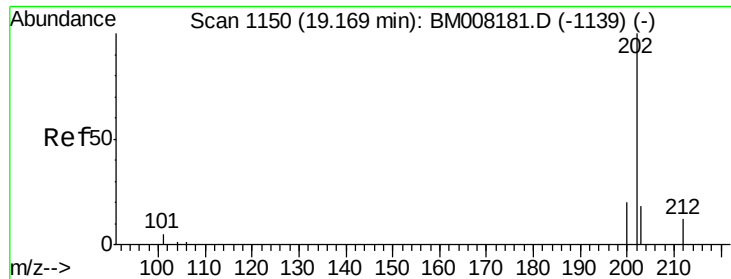


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

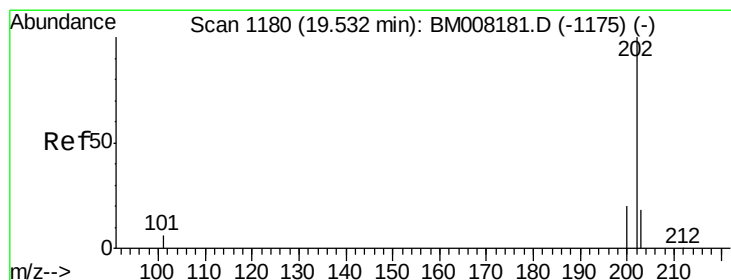
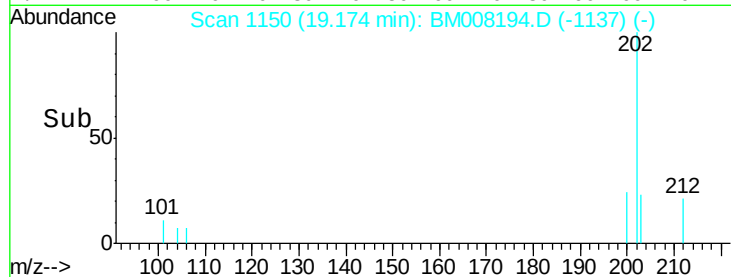
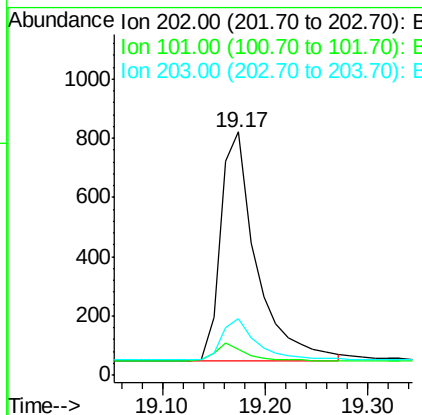
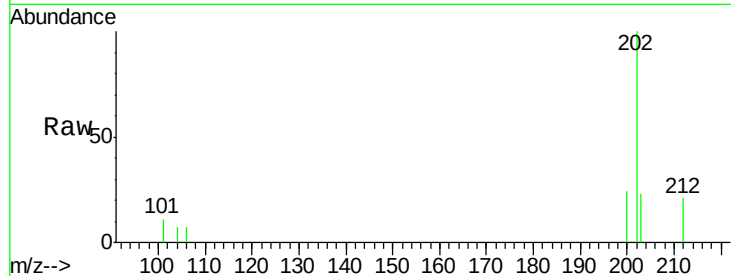




#15
 Fluoranthene
 Concen: 0.33 ng/ul
 RT: 19.17 min Scan# 1150
 Delta R.T. 0.00 min
 Lab File: BM008194.D
 Acq: 06 Dec 2016 20:40

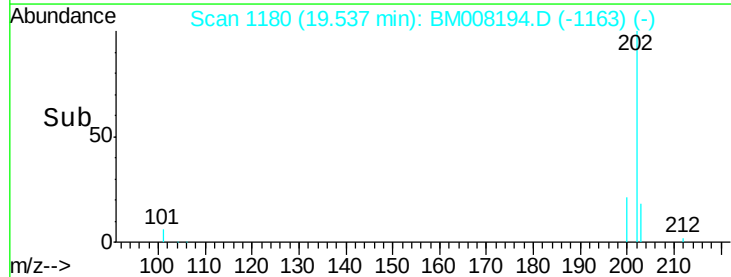
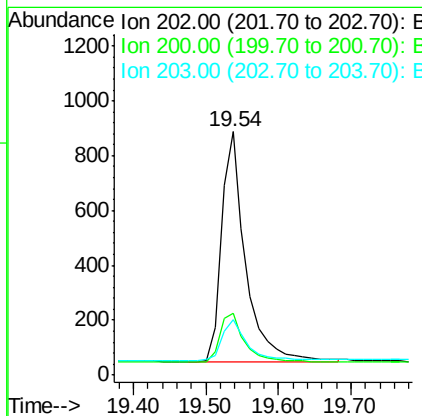
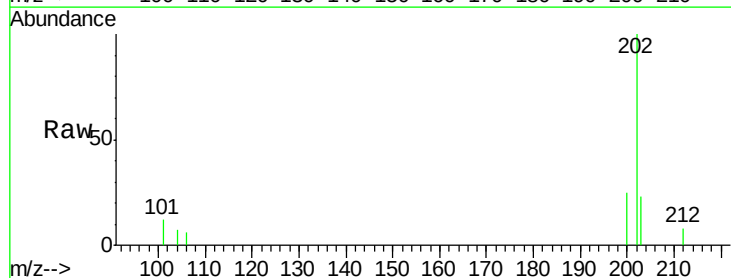
Instrument :
 BNA_M
 ClientSampleId :
 SST0.466

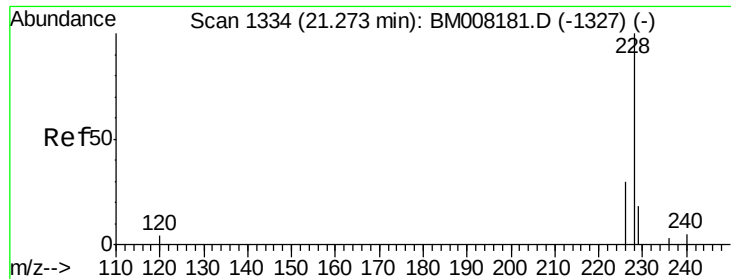
Tgt Ion: 202 Resp: 1862
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 30.3
 203 23.5 0.0 39.5



#17
 Pyrene
 Concen: 0.51 ng/ul
 RT: 19.54 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: BM008194.D
 Acq: 06 Dec 2016 20:40

Tgt Ion: 202 Resp: 1929
 Ion Ratio Lower Upper
 202 100
 200 25.5 18.2 27.4
 203 22.6 15.6 23.4





#18

Benzo(a)anthracene

Concen: 0.37 ng/ul

RT: 21.29 min Scan# 1335

Delta R.T. 0.01 min

Lab File: BM008194.D

Acq: 06 Dec 2016 20:40

Instrument :

BNA_M

ClientSampleId :

SSTD0.466

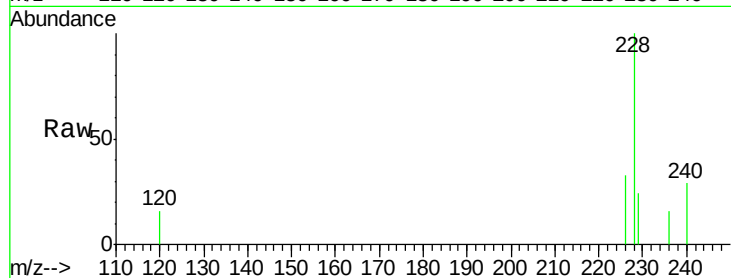
Tgt Ion:228 Resp: 1256

Ion Ratio Lower Upper

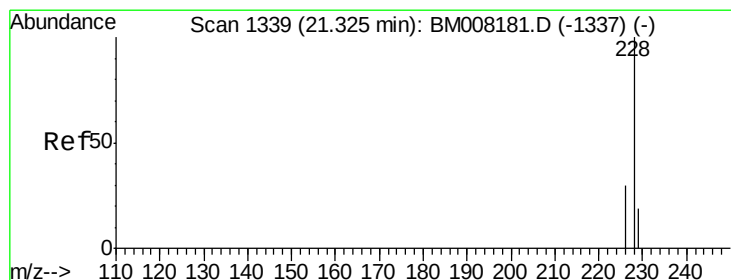
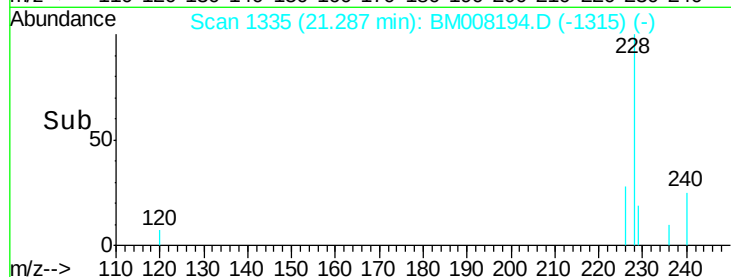
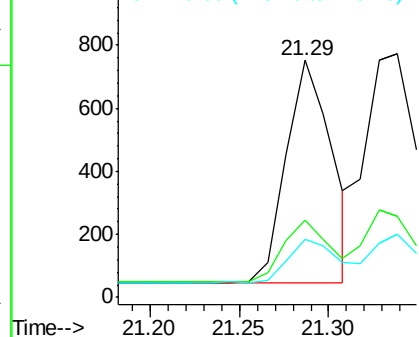
228 100

226 32.7 22.8 34.2

229 24.5 17.0 25.6



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



#19

Chrysene

Concen: 0.40 ng/ul

RT: 21.34 min Scan# 1340

Delta R.T. 0.01 min

Lab File: BM008194.D

Acq: 06 Dec 2016 20:40

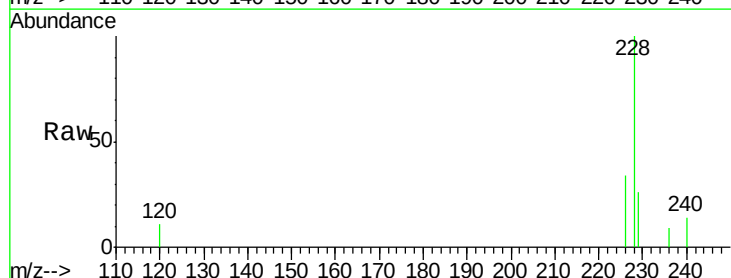
Tgt Ion:228 Resp: 1674

Ion Ratio Lower Upper

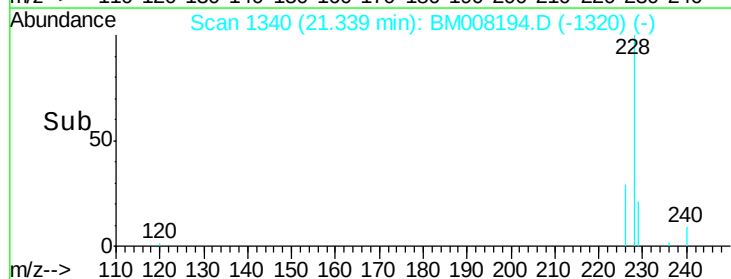
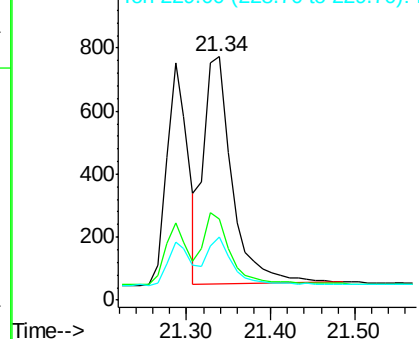
228 100

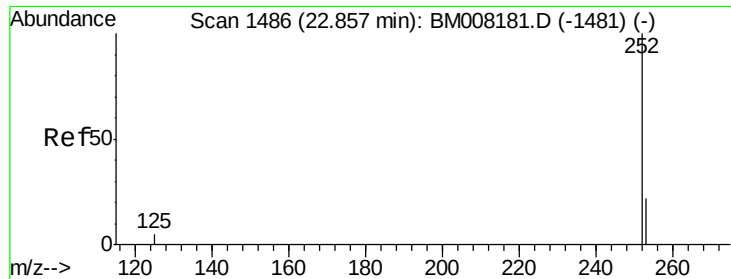
226 33.5 23.4 35.0

229 25.7 17.7 26.5



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: 0.34 ng/ul

RT: 22.86 min Scan# 1486

Delta R.T. 0.00 min

Lab File: BM008194.D

Acq: 06 Dec 2016 20:40

Instrument :

BNA_M

ClientSampleId :

SSTD0.466

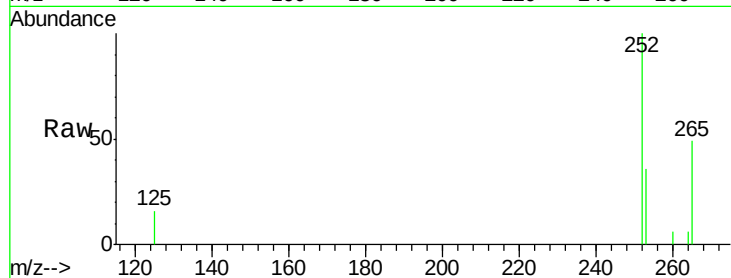
Tgt Ion:252 Resp: 1392

Ion Ratio Lower Upper

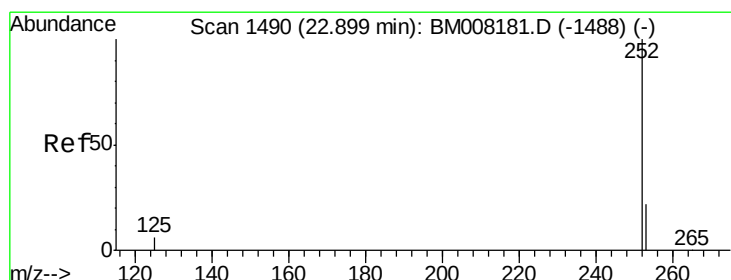
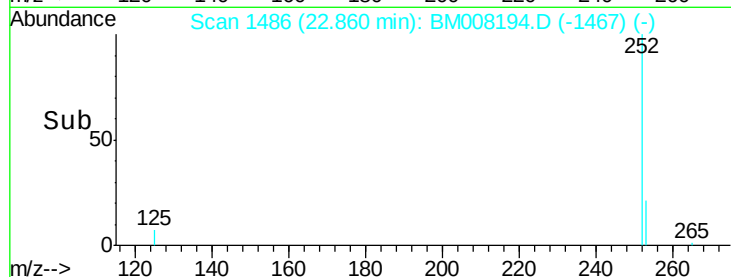
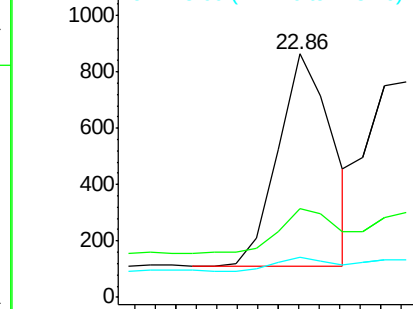
252 100

253 36.3 0.0 64.2

125 16.3 0.0 35.0



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: 0.33 ng/ul

RT: 22.86 min Scan# 1486

Delta R.T. -0.04 min

Lab File: BM008194.D

Acq: 06 Dec 2016 20:40

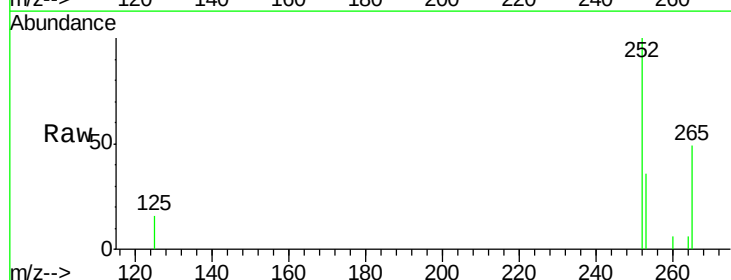
Tgt Ion:252 Resp: 1392

Ion Ratio Lower Upper

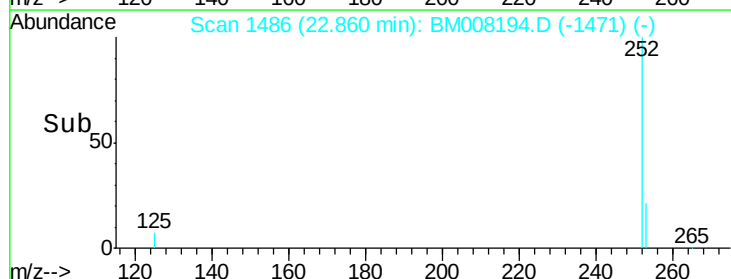
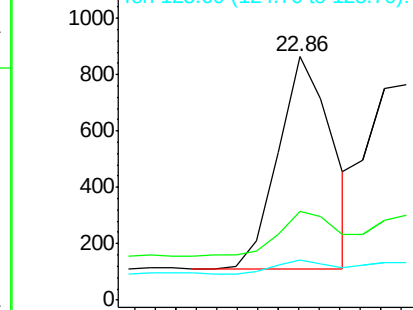
252 100

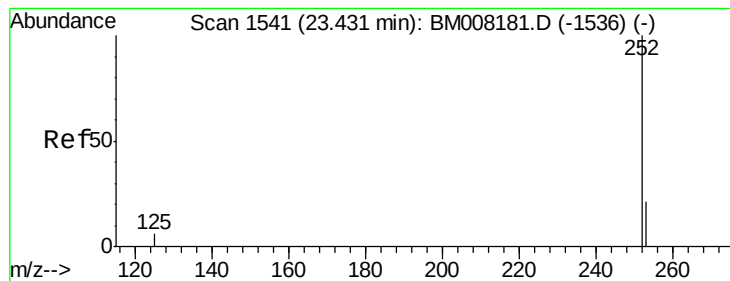
253 36.3 24.5 36.7

125 16.3 13.7 20.5



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





#23

Benzo(a)pyrene

Concen: 0.37 ng/ul

RT: 23.44 min Scan# 1542

Delta R.T. 0.01 min

Lab File: BM008194.D

Acq: 06 Dec 2016 20:40

Instrument :

BNA_M

ClientSampleId :

SSTD0.466

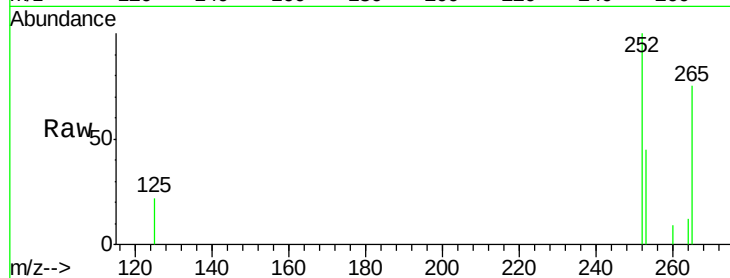
Tgt Ion: 252 Resp: 1441

Ion Ratio Lower Upper

252 100

253 45.2 28.5 42.7#

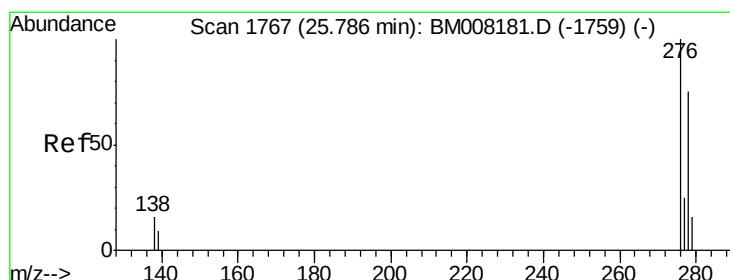
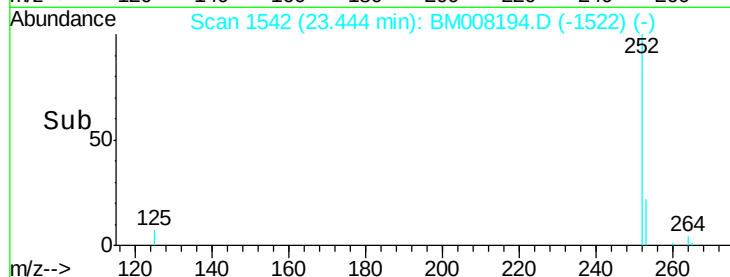
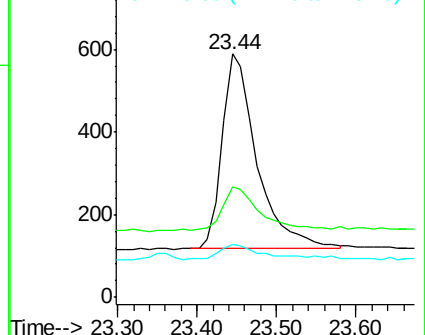
125 21.6 18.1 27.1



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.37 ng/ul

RT: 25.80 min Scan# 1768

Delta R.T. 0.01 min

Lab File: BM008194.D

Acq: 06 Dec 2016 20:40

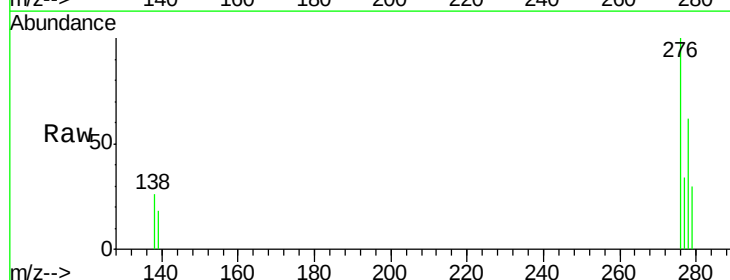
Tgt Ion: 276 Resp: 1779

Ion Ratio Lower Upper

276 100

138 16.5 19.1 28.7#

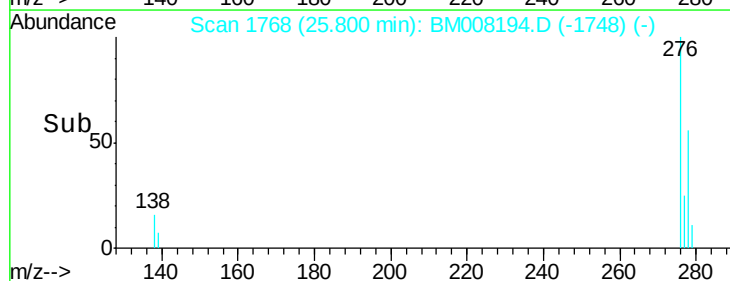
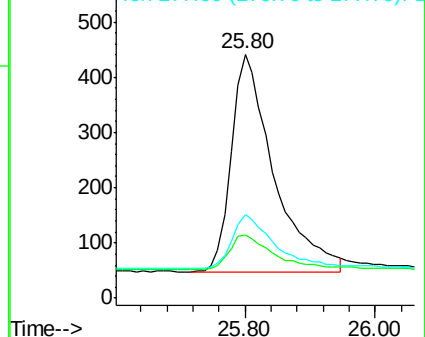
277 24.7 19.6 29.4

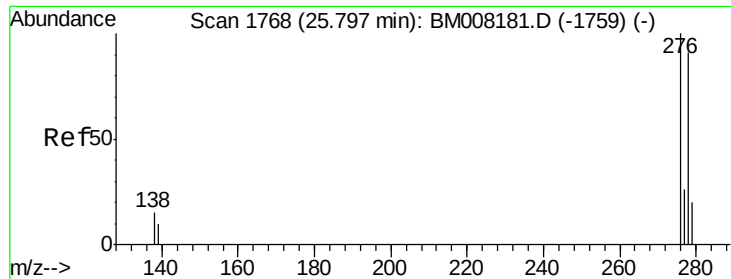


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

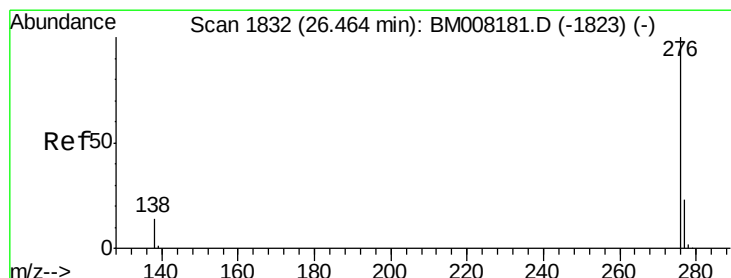
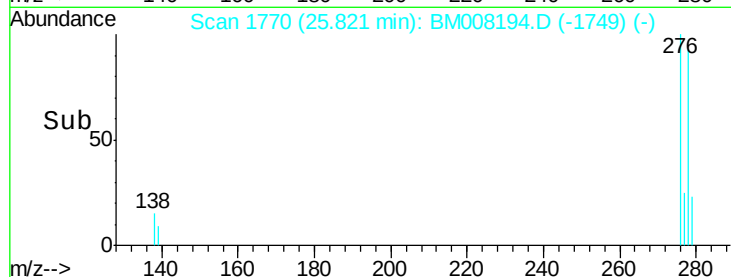
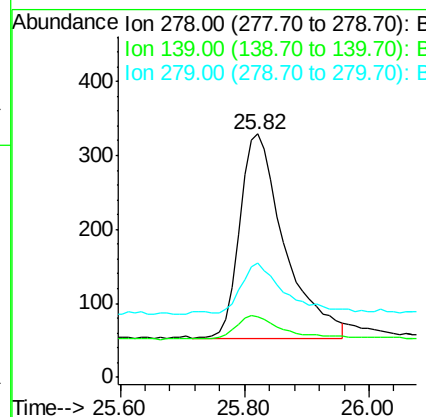
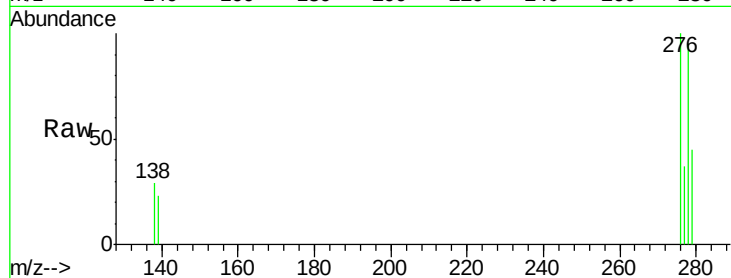




#25
Dibenzo(a,h)anthracene
Concen: 0.36 ng/ul
RT: 25.82 min Scan# 1770
Delta R.T. 0.02 min
Lab File: BM008194.D
Acq: 06 Dec 2016 20:40

Instrument :
BNA_M
ClientSampleId :
SSTD0.466

Tgt Ion: 278 Resp: 1386
Ion Ratio Lower Upper
278 100
139 24.6 17.4 26.0
279 46.8 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.38 ng/ul
RT: 26.49 min Scan# 1834
Delta R.T. 0.02 min
Lab File: BM008194.D
Acq: 06 Dec 2016 20:40

Tgt Ion: 276 Resp: 1594
Ion Ratio Lower Upper
276 100
277 34.1 21.8 32.8#
138 25.0 20.5 30.7

