

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122416\
 Data File : BM008614.D
 Acq On : 24 Dec 2016 02:50
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.464

Quant Time: Dec 24 04:56:22 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 23 23:37:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	366	0.40	ng/ul	0.00
2) Naphthalene-d8	10.50	136	1313	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.31	164	747	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.09	188	1380	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	1389	0.40	ng/ul	0.00
20) Perylene-d12	23.50	264	1347	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.10	152	750	0.37	ng/ul	0.00
14) Fluoranthene-d10	19.11	212	1530	0.40	ng/ul	0.00

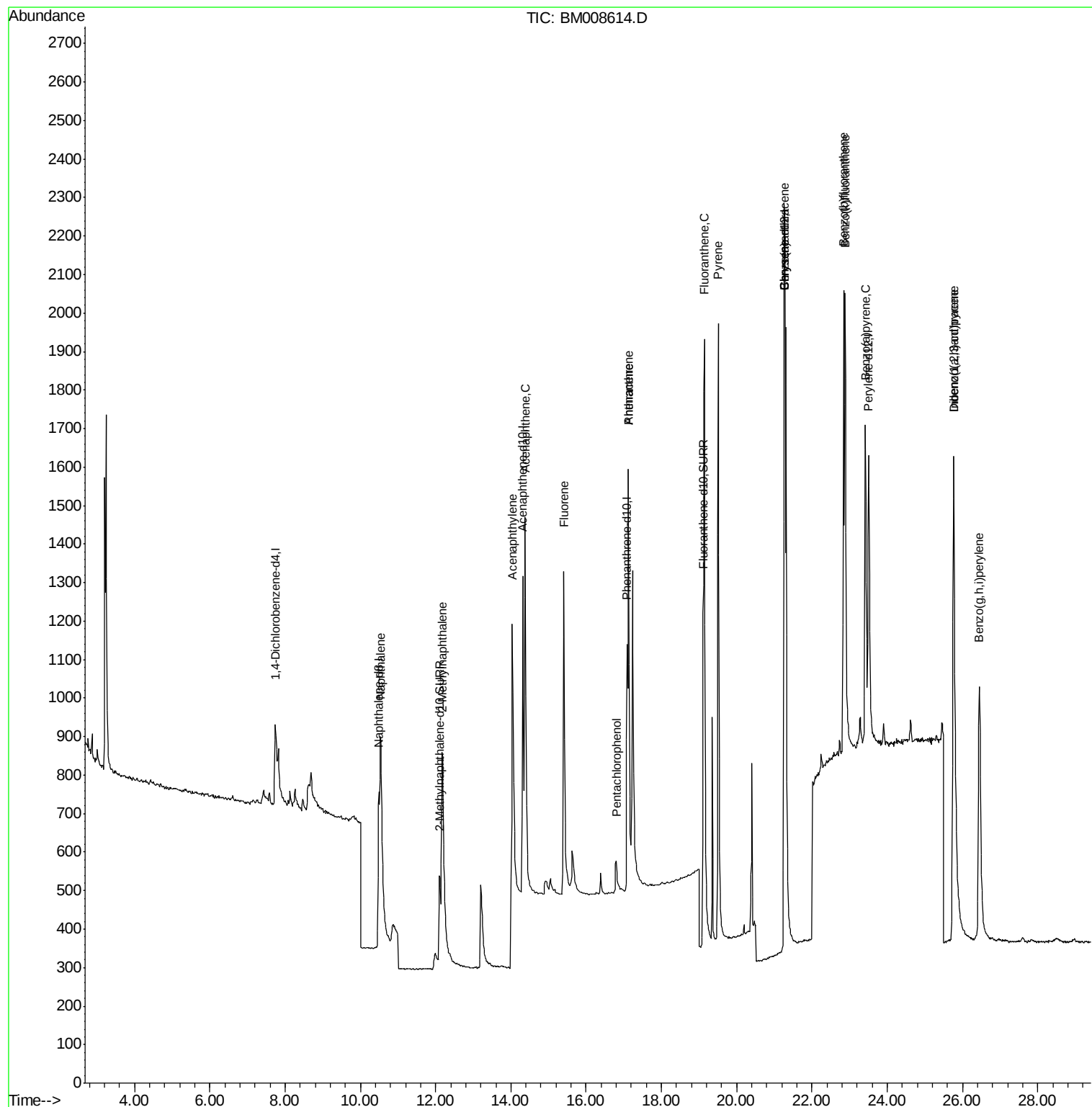
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.55	128	1465	0.40	ng/ul#	78
5) 2-Methylnaphthalene	12.18	142	912	0.37	ng/ul	94
7) Acenaphthylene	14.04	152	1404	0.42	ng/ul#	88
8) Acenaphthene	14.38	153	1045	0.41	ng/ul	96
9) Fluorene	15.41	166	1112	0.38	ng/ul#	96
11) Pentachlorophenol	16.80	266	137	0.32	ng/ul	96
12) Phenanthrene	17.12	178	1659	0.39	ng/ul#	94
13) Anthracene	17.12	178	1659	0.41	ng/ul	95
15) Fluoranthene	19.14	202	2176	0.42	ng/ul	96
17) Pyrene	19.51	202	2321	0.43	ng/ul	96
18) Benzo(a)anthracene	21.26	228	1817	0.40	ng/ul	96
19) Chrysene	21.26	228	1817	0.36	ng/ul	98
21) Benzo(b)fluoranthene	22.84	252	1956	0.37	ng/ul	95
22) Benzo(k)fluoranthene	22.88	252	2222	0.43	ng/ul	94
23) Benzo(a)pyrene	23.42	252	2020	0.41	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	25.77	276	2346	0.40	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.77	278	1868	0.40	ng/ul#	88
26) Benzo(g,h,i)perylene	26.44	276	2054	0.41	ng/ul	95

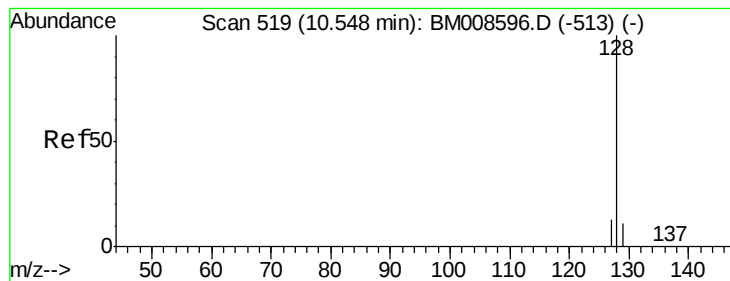
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.40 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. -0.00 min

Lab File: BM008614.D

Acq: 24 Dec 2016 02:50

Instrument :

BNA_M

ClientSampleId :

SSTD0.464

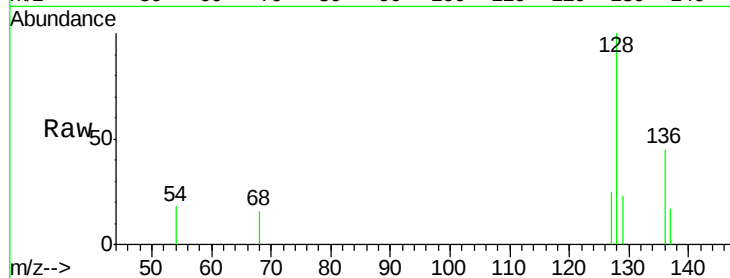
Tgt Ion:128 Resp: 1465

Ion Ratio Lower Upper

128 100

129 23.2 11.3 16.9#

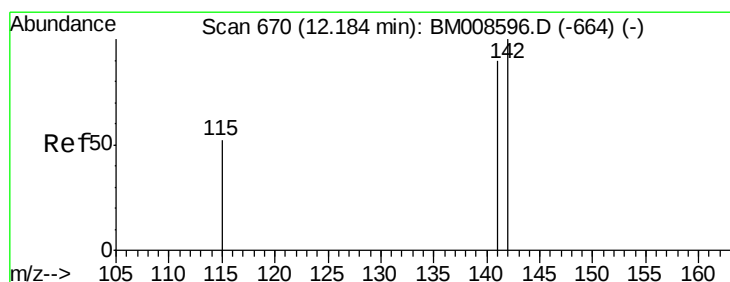
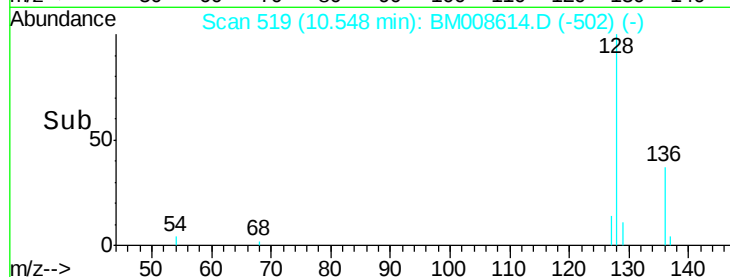
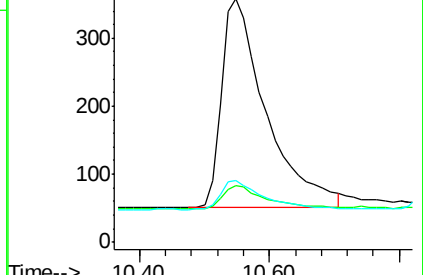
127 25.4 12.8 19.2#



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: 0.37 ng/ul

RT: 12.18 min Scan# 670

Delta R.T. -0.00 min

Lab File: BM008614.D

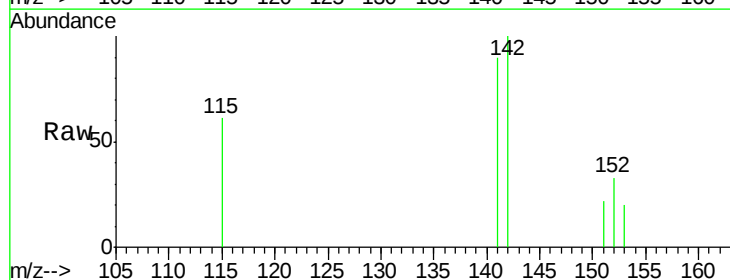
Acq: 24 Dec 2016 02:50

Tgt Ion:142 Resp: 912

Ion Ratio Lower Upper

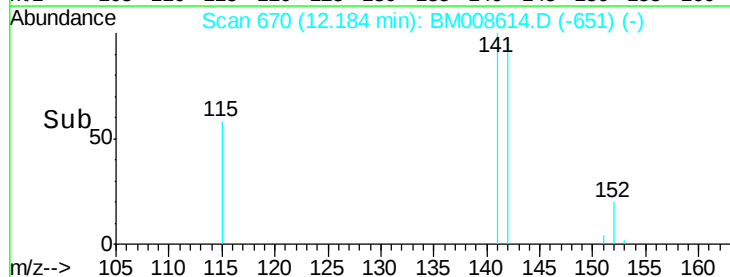
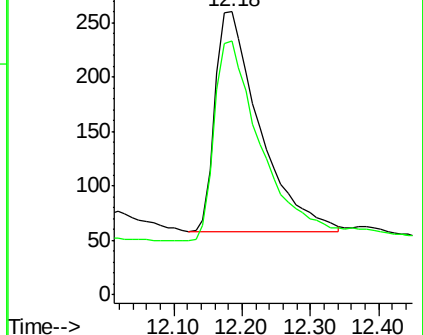
142 100

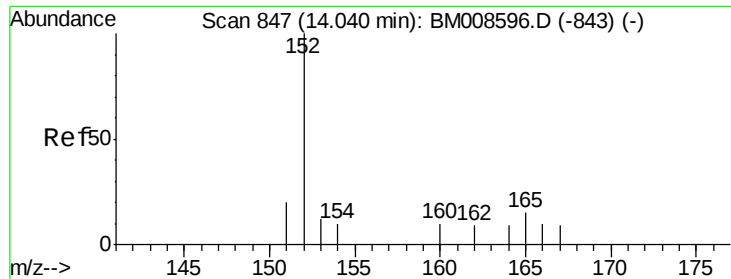
141 96.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.42 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM008614.D

Acq: 24 Dec 2016 02:50

Instrument :

BNA_M

ClientSampleId :

SSTD0.464

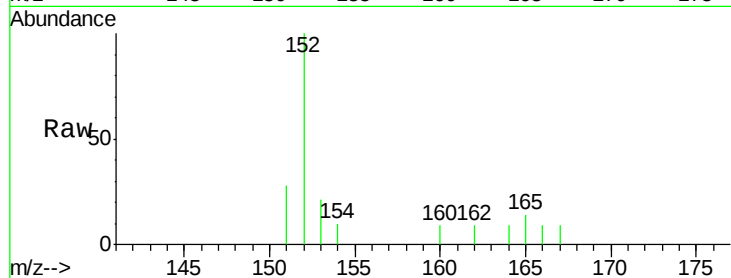
Tgt Ion:152 Resp: 1404

Ion Ratio Lower Upper

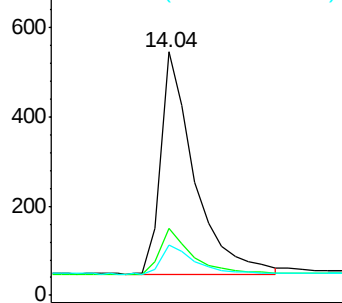
152 100

151 27.7 17.1 25.7#

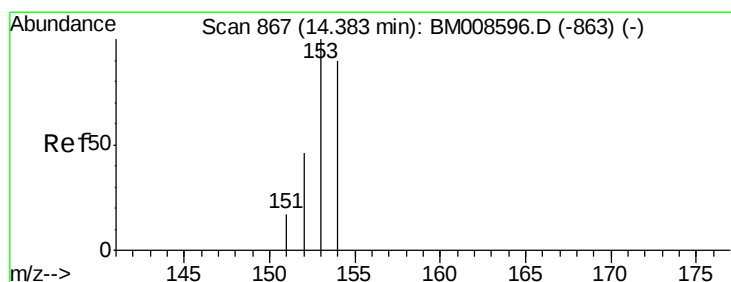
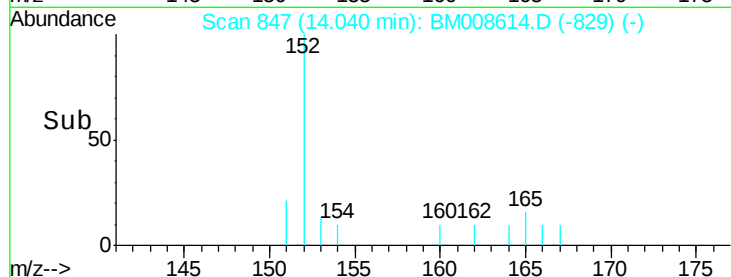
153 20.6 12.8 19.2#



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: 0.41 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.00 min

Lab File: BM008614.D

Acq: 24 Dec 2016 02:50

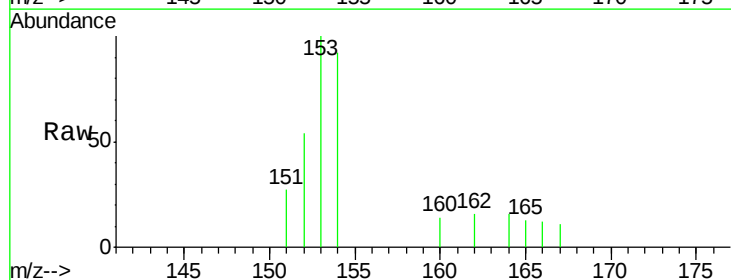
Tgt Ion:153 Resp: 1045

Ion Ratio Lower Upper

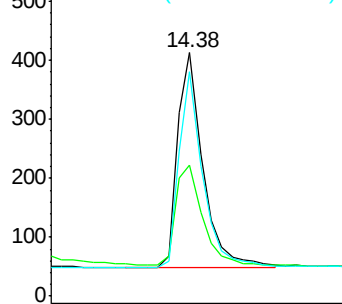
153 100

152 53.8 40.3 60.5

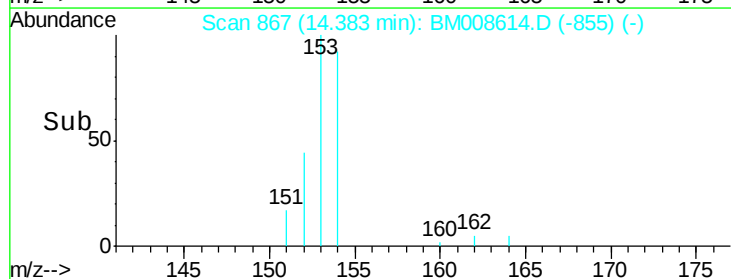
154 92.3 71.4 107.2

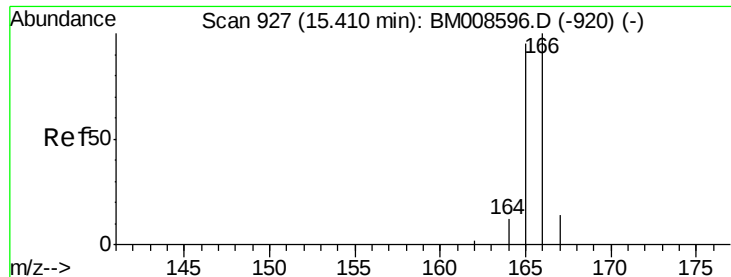


Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



Time--> 14.20 14.40





#9

Fluorene

Concen: 0.38 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. -0.00 min

Lab File: BM008614.D

Acq: 24 Dec 2016 02:50

Instrument :

BNA_M

ClientSampleId :

SSTD0.464

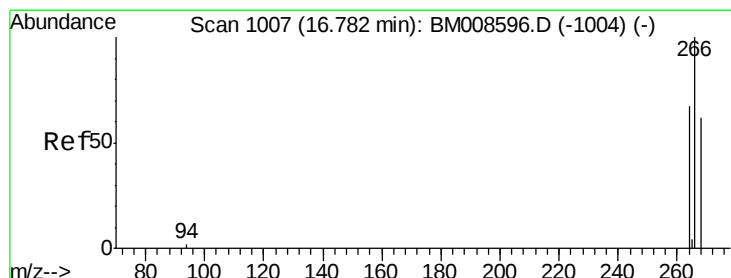
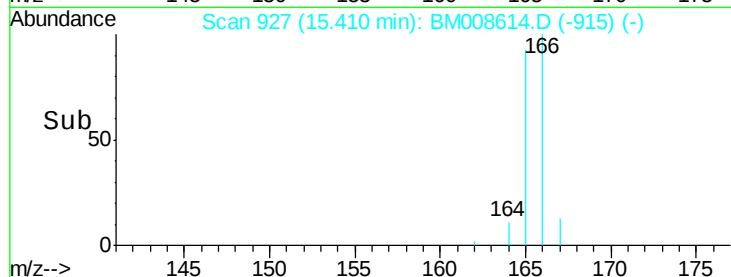
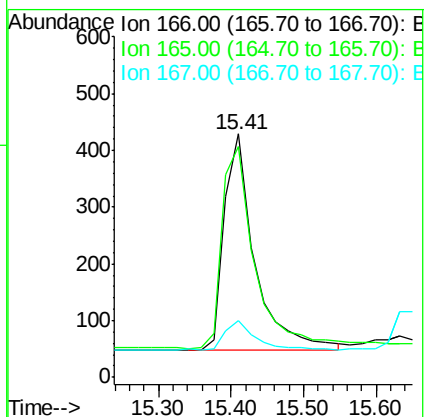
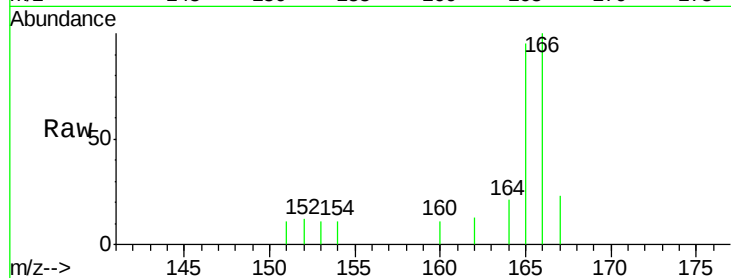
Tgt Ion:166 Resp: 1112

Ion Ratio Lower Upper

166 100

165 94.6 73.4 110.2

167 23.1 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.32 ng/ul

RT: 16.80 min Scan# 1008

Delta R.T. 0.02 min

Lab File: BM008614.D

Acq: 24 Dec 2016 02:50

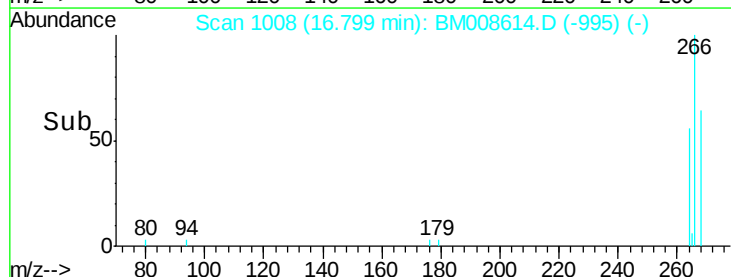
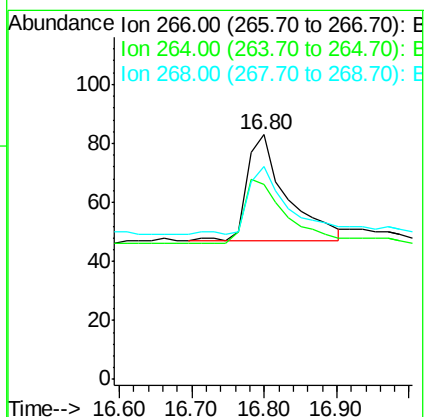
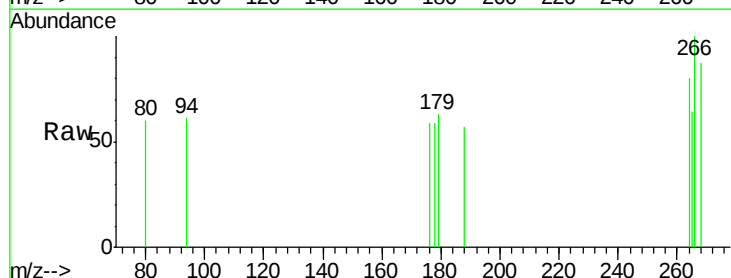
Tgt Ion:266 Resp: 137

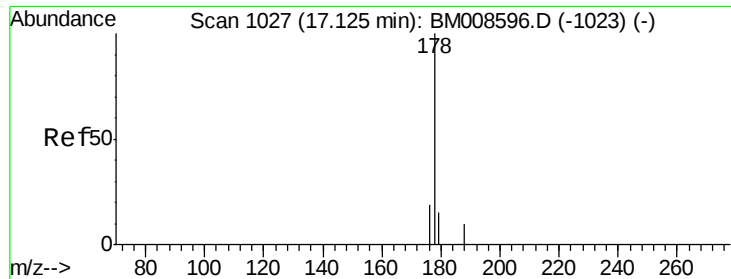
Ion Ratio Lower Upper

266 100

264 63.5 47.9 71.9

268 65.0 49.8 74.8





#12

Phenanthrene

Concen: 0.39 ng/ul

RT: 17.12 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BM008614.D

Acq: 24 Dec 2016 02:50

Instrument :

BNA_M

ClientSampleId :

SSTD0.464

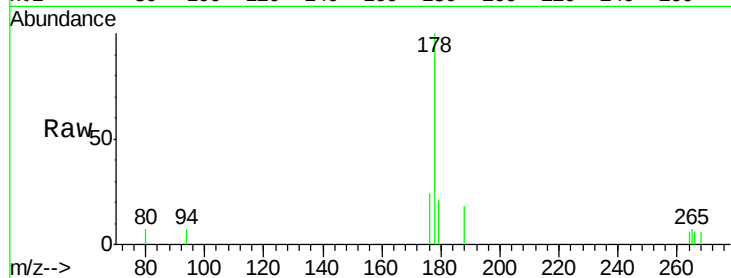
Tgt Ion:178 Resp: 1659

Ion Ratio Lower Upper

178 100

176 24.3 18.4 27.6

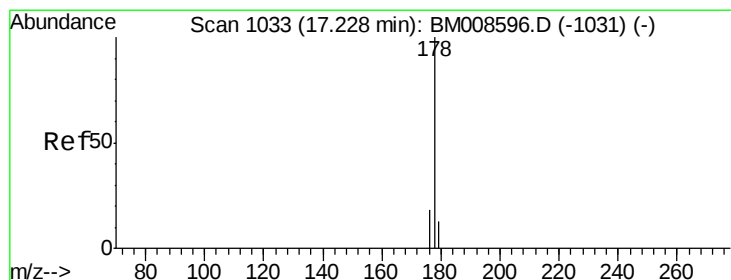
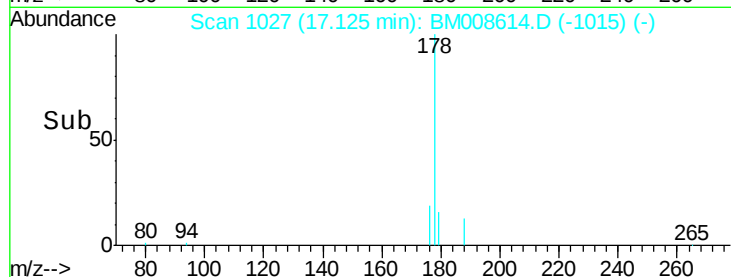
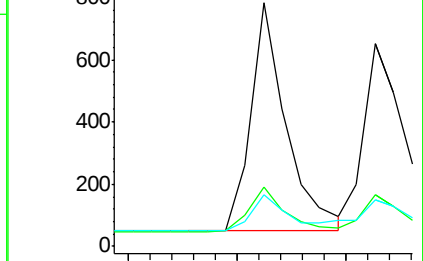
179 21.2 13.6 20.4#



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: 17.12 min Scan# 1027

Delta R.T. -0.10 min

Lab File: BM008614.D

Acq: 24 Dec 2016 02:50

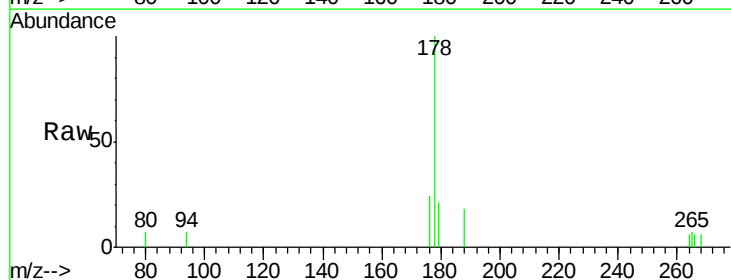
Tgt Ion:178 Resp: 1659

Ion Ratio Lower Upper

178 100

176 24.3 18.1 27.1

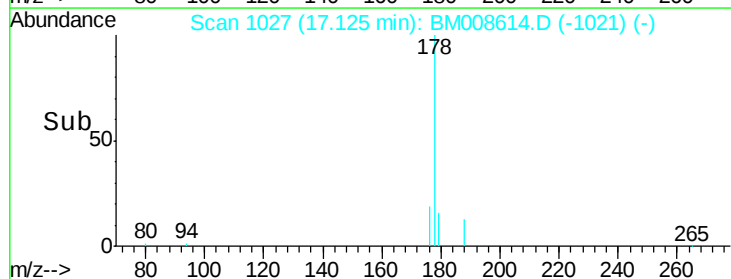
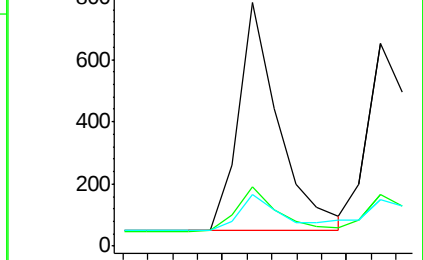
179 21.2 14.7 22.1

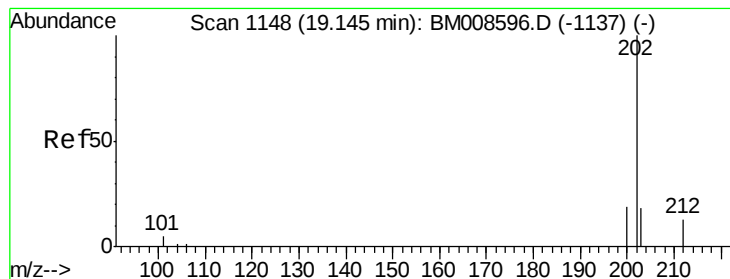


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.42 ng/ul

RT: 19.14 min Scan# 1148

Delta R.T. -0.00 min

Lab File: BM008614.D

Acq: 24 Dec 2016 02:50

Instrument :

BNA_M

ClientSampleId :

SSTD0.464

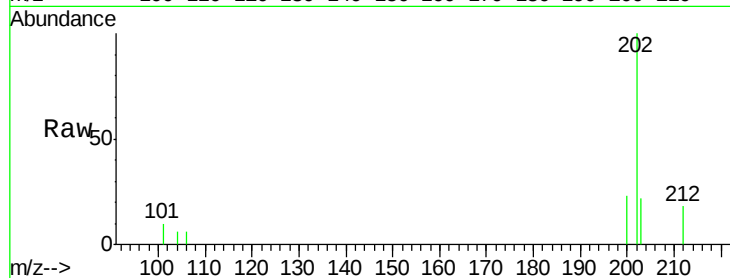
Tgt Ion:202 Resp: 2176

Ion Ratio Lower Upper

202 100

101 10.2 0.0 30.3

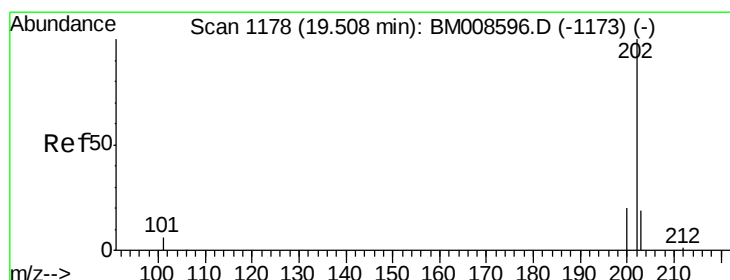
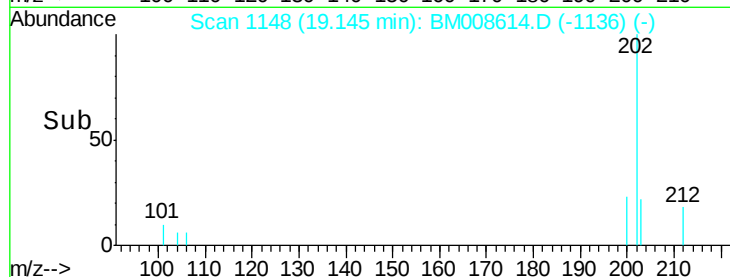
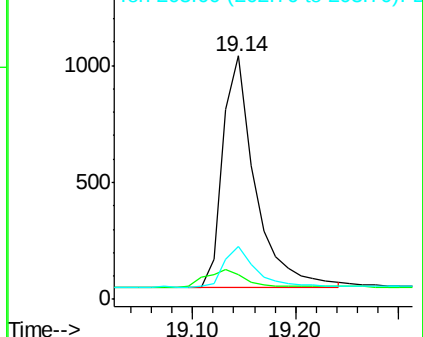
203 21.9 0.0 39.5



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: 0.43 ng/ul

RT: 19.51 min Scan# 1178

Delta R.T. -0.00 min

Lab File: BM008614.D

Acq: 24 Dec 2016 02:50

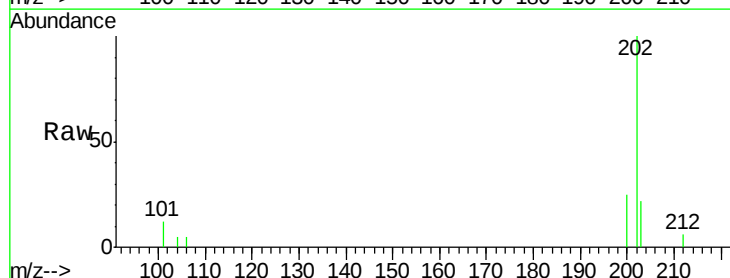
Tgt Ion:202 Resp: 2321

Ion Ratio Lower Upper

202 100

200 24.8 18.2 27.4

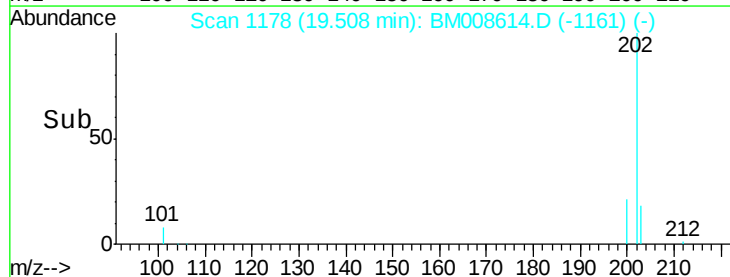
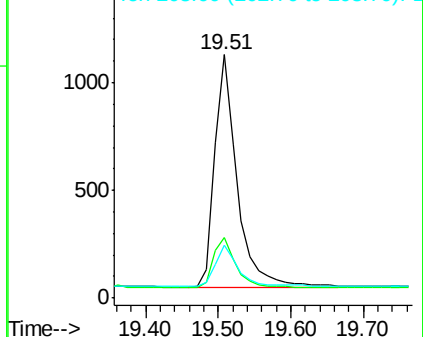
203 21.7 15.6 23.4

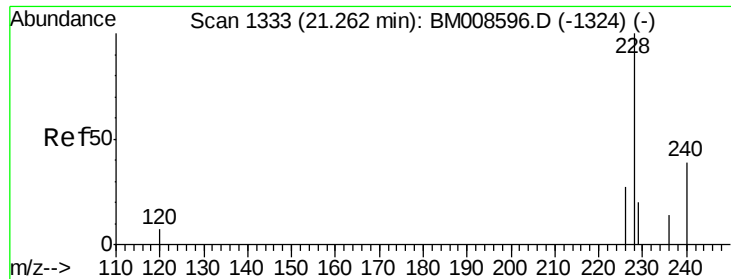


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.40 ng/ul

RT: 21.26 min Scan# 1333

Delta R.T. -0.00 min

Lab File: BM008614.D

Acq: 24 Dec 2016 02:50

Instrument :

BNA_M

ClientSampleId :

SSTD0.464

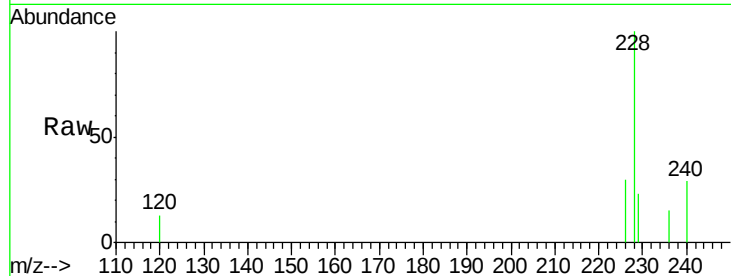
Tgt Ion:228 Resp: 1817

Ion Ratio Lower Upper

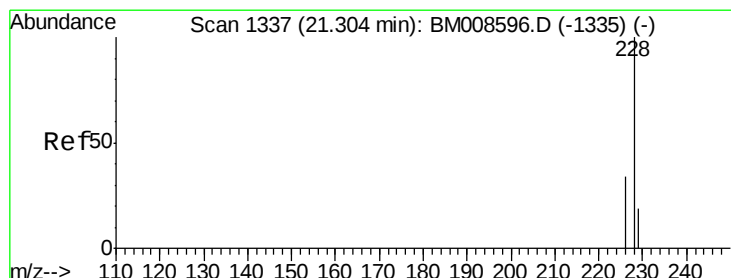
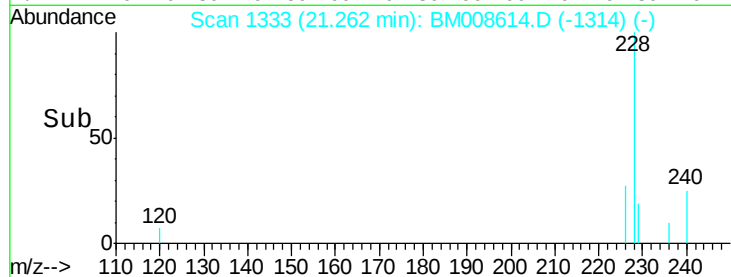
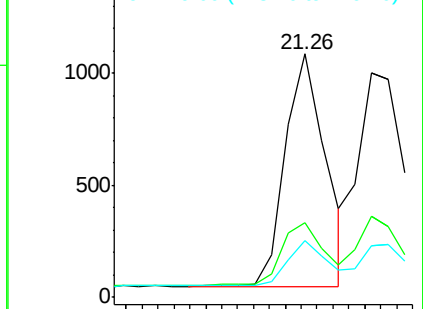
228 100

226 30.4 22.8 34.2

229 23.1 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: 0.36 ng/ul

RT: 21.26 min Scan# 1333

Delta R.T. -0.04 min

Lab File: BM008614.D

Acq: 24 Dec 2016 02:50

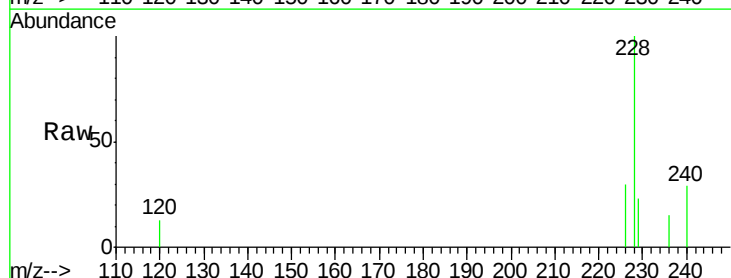
Tgt Ion:228 Resp: 1817

Ion Ratio Lower Upper

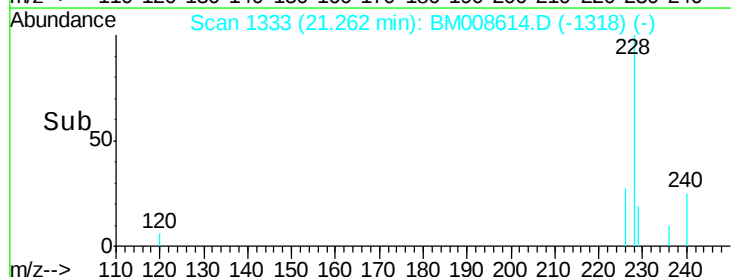
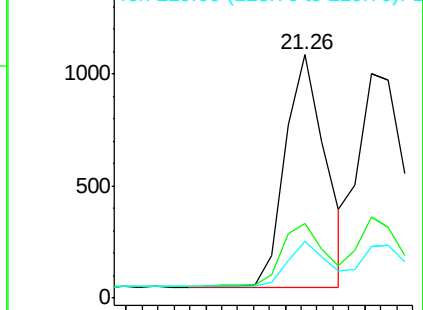
228 100

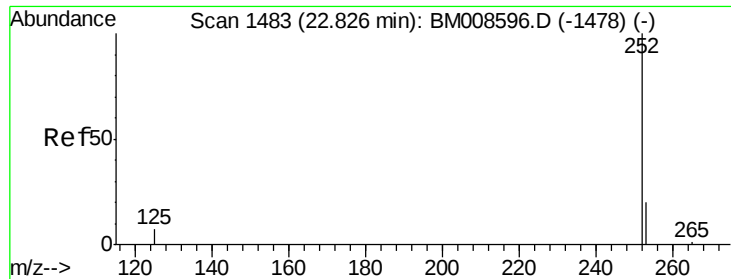
226 30.4 23.4 35.0

229 23.1 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: 0.37 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. 0.01 min

Lab File: BM008614.D

Acq: 24 Dec 2016 02:50

Instrument :

BNA_M

ClientSampleId :

SSTD0.464

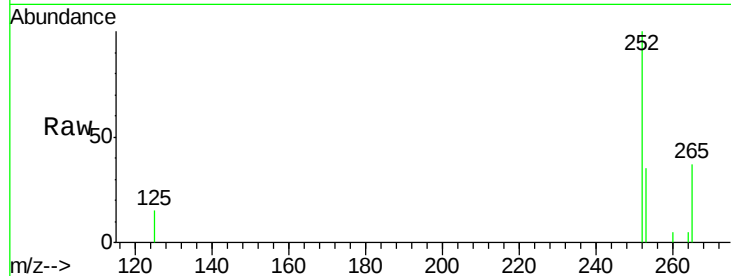
Tgt Ion:252 Resp: 1956

Ion Ratio Lower Upper

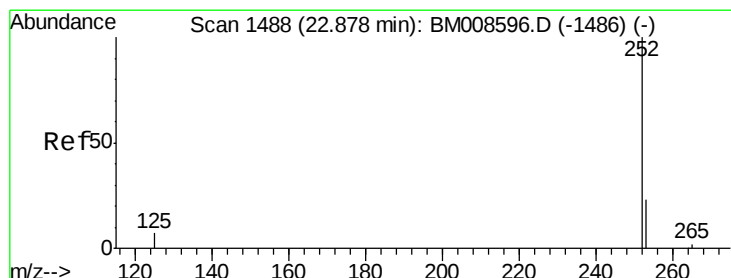
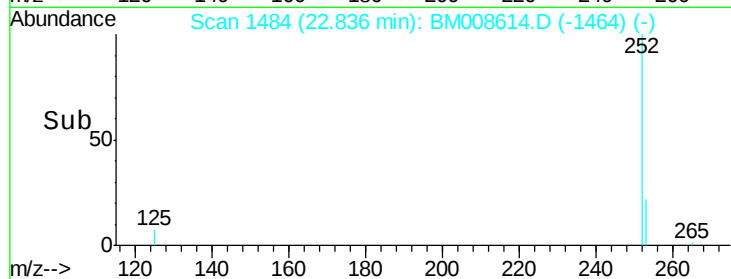
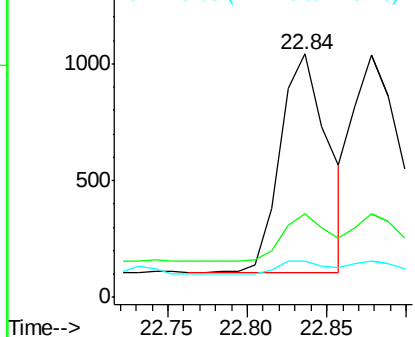
252 100

253 34.6 0.0 64.2

125 15.1 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: 0.43 ng/ul

RT: 22.88 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BM008614.D

Acq: 24 Dec 2016 02:50

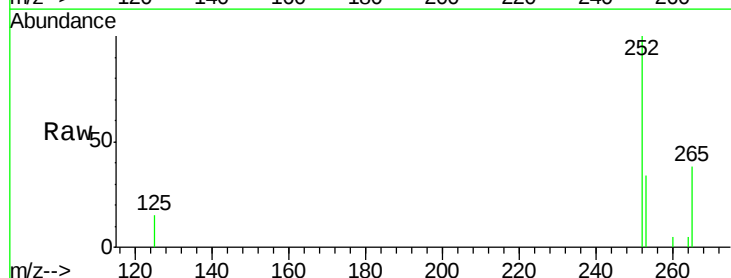
Tgt Ion:252 Resp: 2222

Ion Ratio Lower Upper

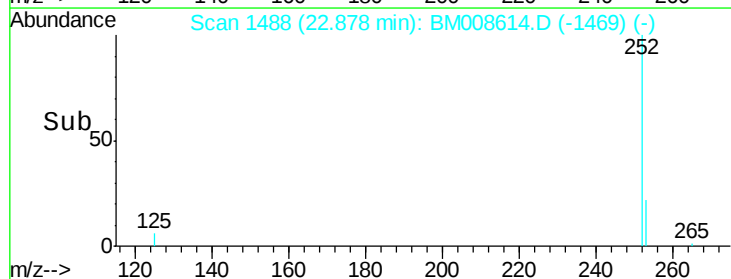
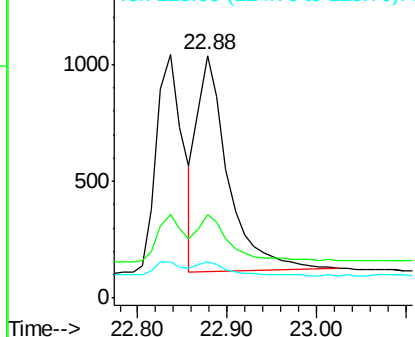
252 100

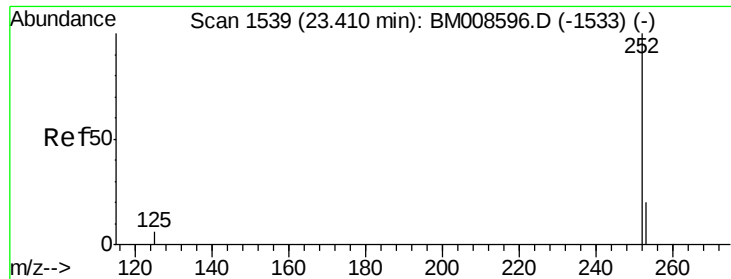
253 34.3 24.5 36.7

125 15.1 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: 0.41 ng/ul

RT: 23.42 min Scan# 1540

Delta R.T. 0.01 min

Lab File: BM008614.D

Acq: 24 Dec 2016 02:50

Instrument :

BNA_M

ClientSampleId :

SSTD0.464

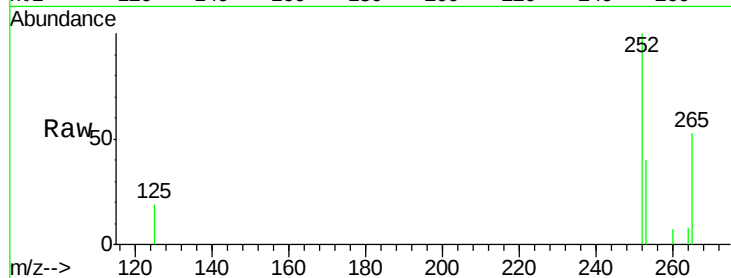
Tgt Ion: 252 Resp: 2020

Ion Ratio Lower Upper

252 100

253 40.3 28.5 42.7

125 19.5 18.1 27.1

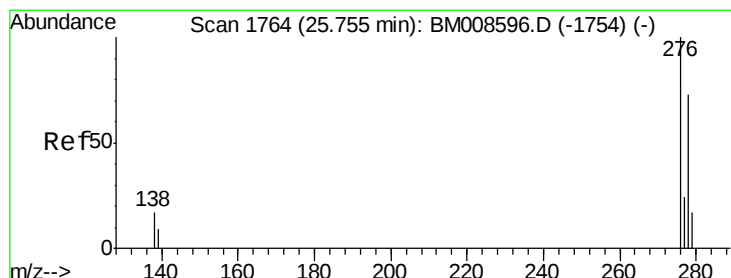
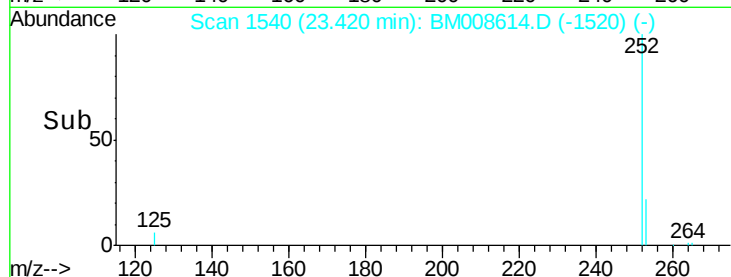
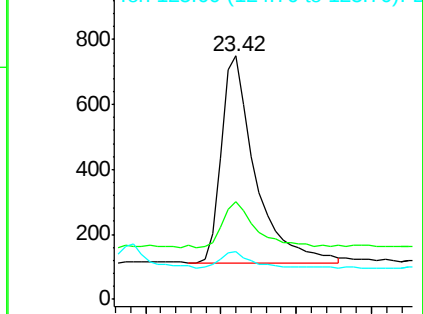


Abundance

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: 0.40 ng/ul

RT: 25.77 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BM008614.D

Acq: 24 Dec 2016 02:50

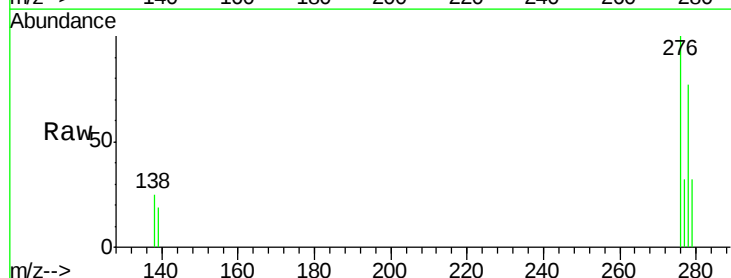
Tgt Ion: 276 Resp: 2346

Ion Ratio Lower Upper

276 100

138 16.9 19.1 28.7#

277 24.7 19.6 29.4

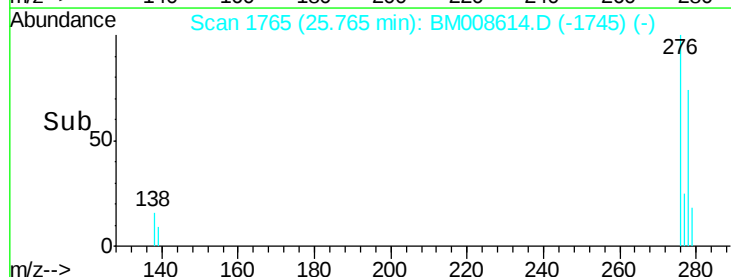
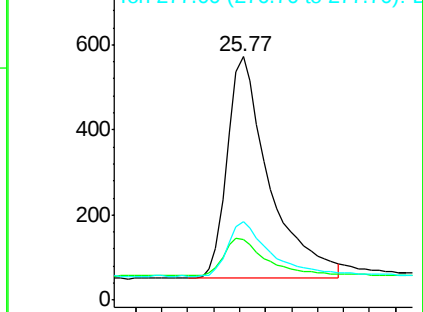


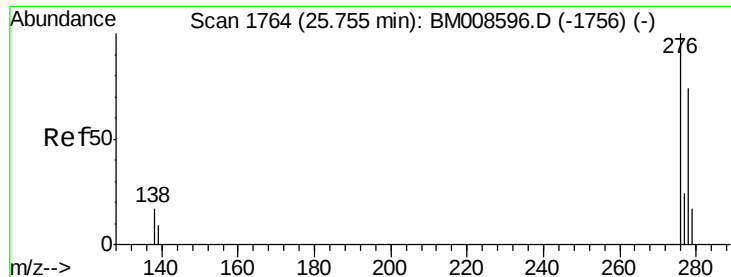
Abundance

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: 0.40 ng/ul

RT: 25.77 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BM008614.D

Acq: 24 Dec 2016 02:50

Instrument :

BNA_M

ClientSampleId :

SSTD0.464

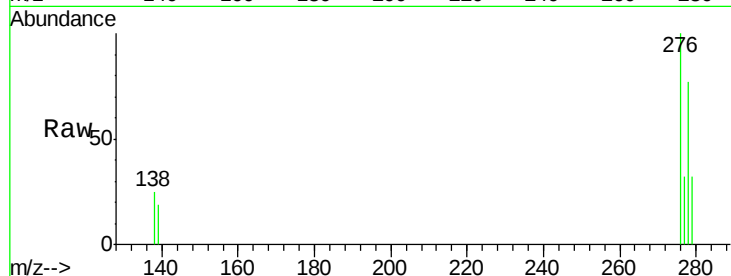
Tgt Ion:278 Resp: 1868

Ion Ratio Lower Upper

278 100

139 24.4 17.4 26.0

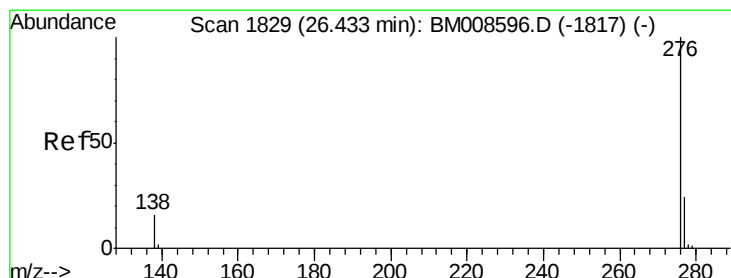
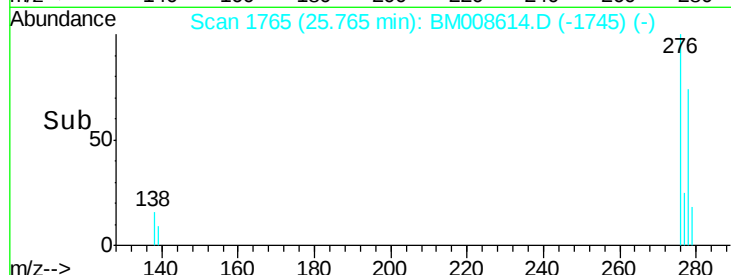
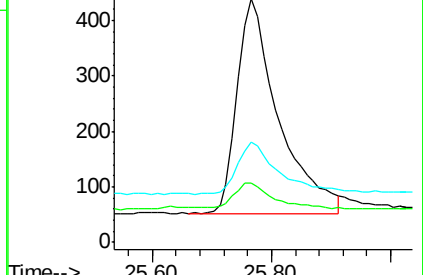
279 41.5 25.9 38.9#



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



#26

Benzo(g,h,i)perylene

Concen: 0.41 ng/ul

RT: 26.44 min Scan# 1830

Delta R.T. 0.01 min

Lab File: BM008614.D

Acq: 24 Dec 2016 02:50

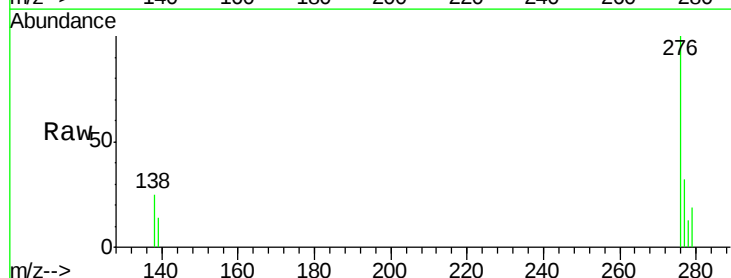
Tgt Ion:276 Resp: 2054

Ion Ratio Lower Upper

276 100

277 31.6 21.8 32.8

138 24.9 20.5 30.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

