

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122316\
 Data File : BM008612.D
 Acq On : 24 Dec 2016 01:04
 Operator : UM/SJ
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.463

Quant Time: Dec 24 02:17:30 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	7.73	152	380	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.49	136	1290	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.31	164	749	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	1432	0.40	ng/ul	-0.02
16) Chrysene-d12	21.27	240	1443	0.40	ng/ul	0.00
20) Perylene-d12	23.50	264	1399	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.09	152	756	0.38	ng/ul	-0.01
14) Fluoranthene-d10	19.11	212	1536	0.39	ng/ul	0.00

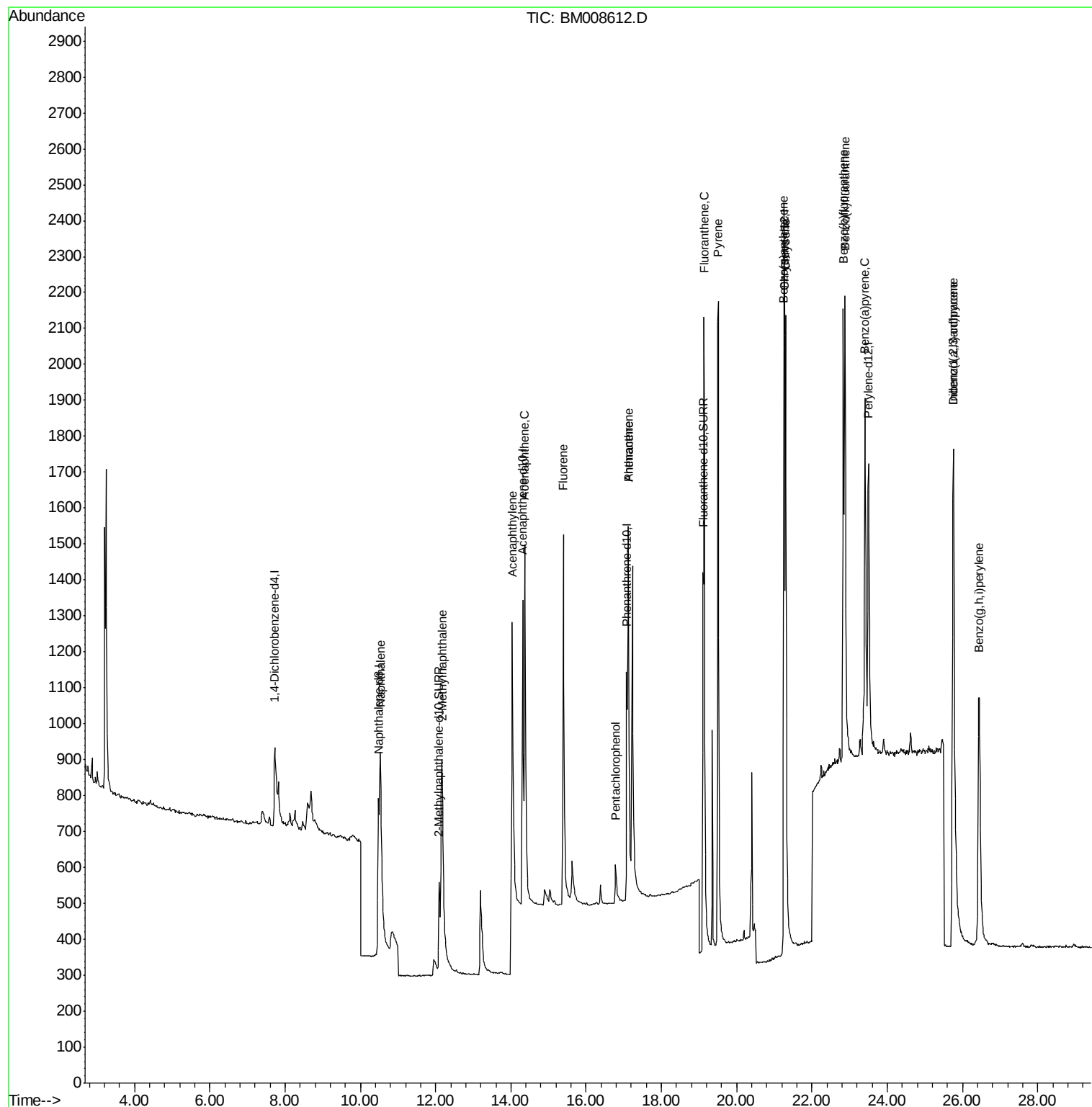
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.54	128	1457	0.40	ng/ul#	80
5) 2-Methylnaphthalene	12.17	142	937	0.38	ng/ul	97
7) Acenaphthylene	14.04	152	1380	0.41	ng/ul#	91
8) Acenaphthene	14.37	153	1048	0.41	ng/ul	91
9) Fluorene	15.39	166	1141	0.39	ng/ul	91
11) Pentachlorophenol	16.78	266	148	0.33	ng/ul	94
12) Phenanthrene	17.12	178	1746	0.40	ng/ul#	95
13) Anthracene	17.12	178	1746	0.41	ng/ul	95
15) Fluoranthene	19.13	202	2206	0.41	ng/ul	97
17) Pyrene	19.51	202	2420	0.43	ng/ul	95
18) Benzo(a)anthracene	21.25	228	1964	0.41	ng/ul	95
19) Chrysene	21.30	228	2157	0.42	ng/ul	94
21) Benzo(b)fluoranthene	22.83	252	1888	0.34	ng/ul	97
22) Benzo(k)fluoranthene	22.88	252	2455	0.46	ng/ul	93
23) Benzo(a)pyrene	23.41	252	2124	0.42	ng/ul#	94
24) Indeno(1,2,3-cd)pyrene	25.76	276	2447	0.40	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.76	278	1954	0.40	ng/ul#	90
26) Benzo(g,h,i)perylene	26.43	276	2128	0.41	ng/ul	95

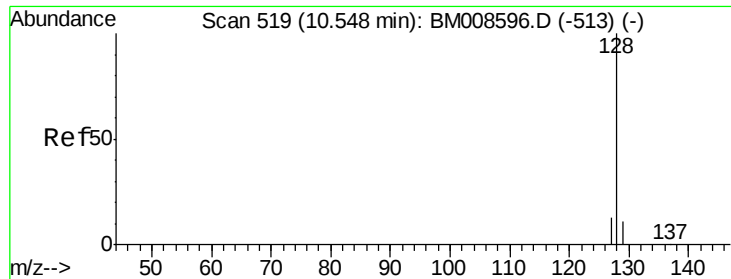
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.40 ng/ul

RT: 10.54 min Scan# 518

Delta R.T. -0.01 min

Lab File: BM008612.D

Acq: 24 Dec 2016 01:04

Instrument :

BNA_M

ClientSampleId :

SSTD0.463

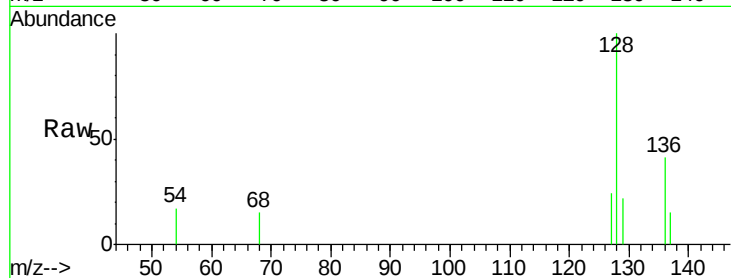
Tgt Ion:128 Resp: 1457

Ion Ratio Lower Upper

128 100

129 22.2 11.3 16.9#

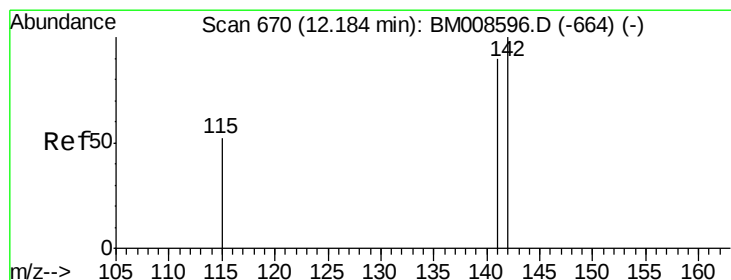
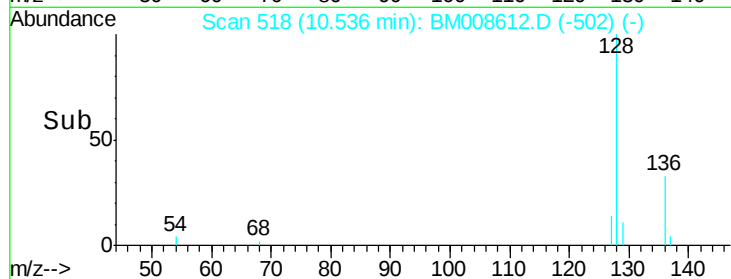
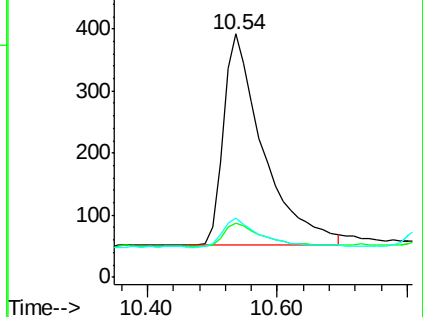
127 24.2 12.8 19.2#



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: 0.38 ng/ul

RT: 12.17 min Scan# 669

Delta R.T. -0.01 min

Lab File: BM008612.D

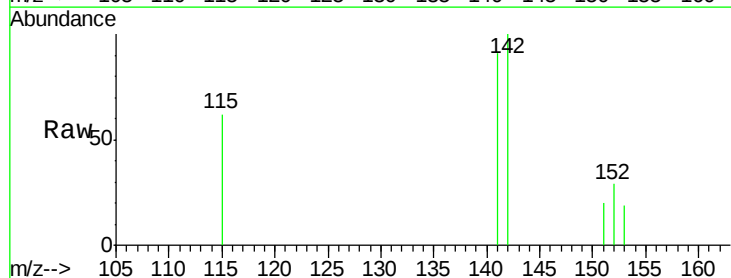
Acq: 24 Dec 2016 01:04

Tgt Ion:142 Resp: 937

Ion Ratio Lower Upper

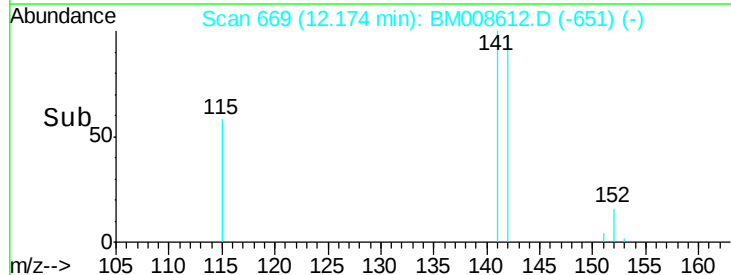
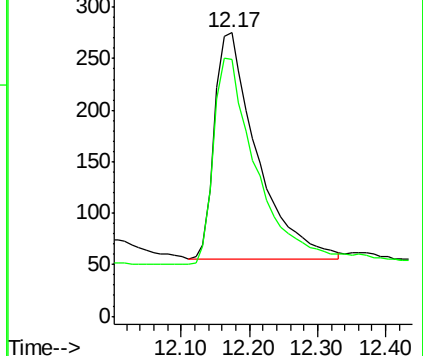
142 100

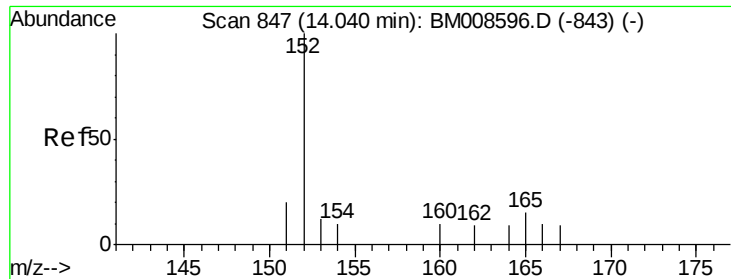
141 93.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.41 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM008612.D

Acq: 24 Dec 2016 01:04

Instrument :

BNA_M

ClientSampleId :

SSTD0.463

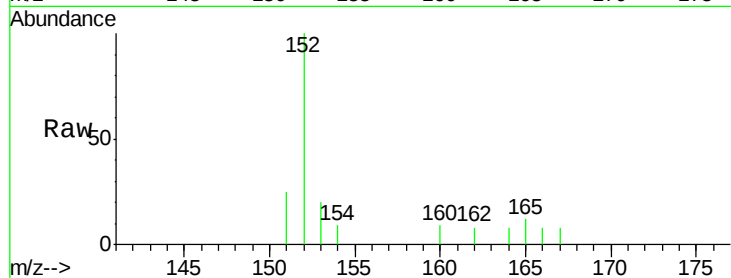
Tgt Ion:152 Resp: 1380

Ion Ratio Lower Upper

152 100

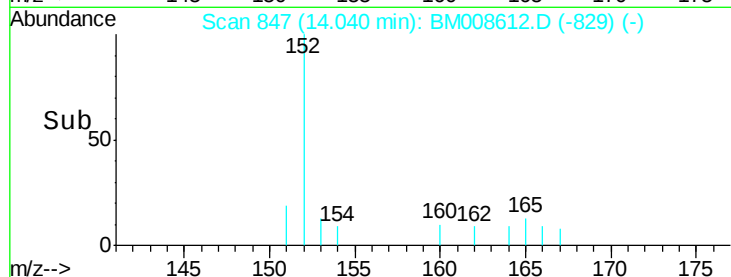
151 25.4 17.1 25.7

153 19.9 12.8 19.2#

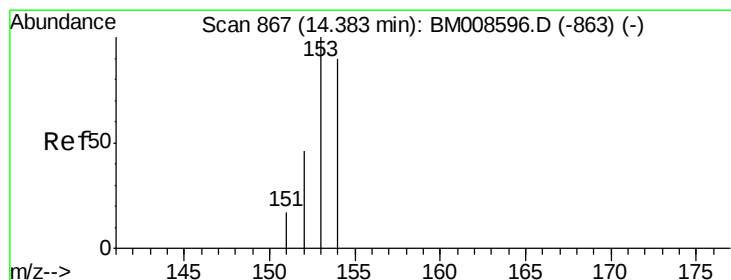


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

14.04



Time--> 13.90 14.00 14.10 14.20



#8

Acenaphthene

Concen: 0.41 ng/ul

RT: 14.37 min Scan# 866

Delta R.T. -0.02 min

Lab File: BM008612.D

Acq: 24 Dec 2016 01:04

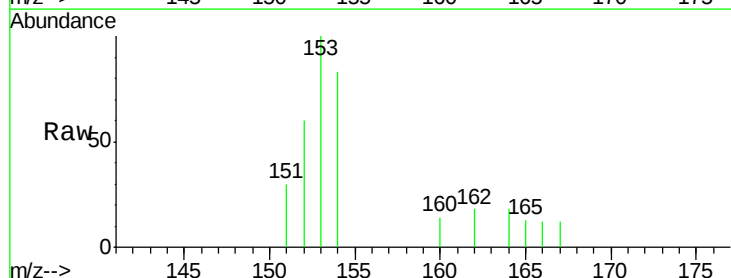
Tgt Ion:153 Resp: 1048

Ion Ratio Lower Upper

153 100

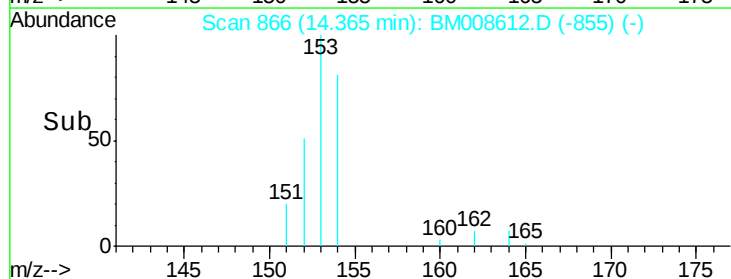
152 59.6 40.3 60.5

154 82.9 71.4 107.2

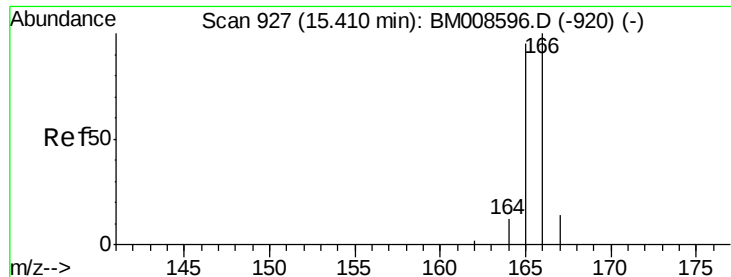


Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E

14.37



Time--> 14.20 14.30 14.40 14.50



#9

Fluorene

Concen: 0.39 ng/ul

RT: 15.39 min Scan# 926

Delta R.T. -0.02 min

Lab File: BM008612.D

Acq: 24 Dec 2016 01:04

Instrument :

BNA_M

ClientSampleId :

SSTD0.463

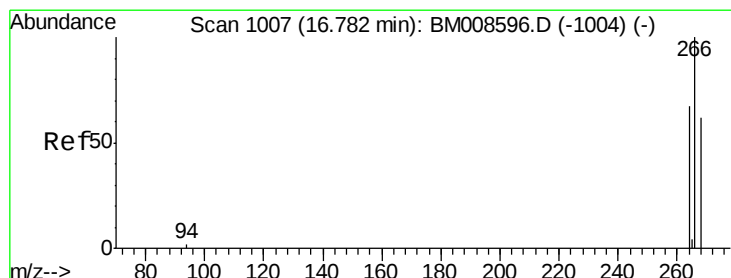
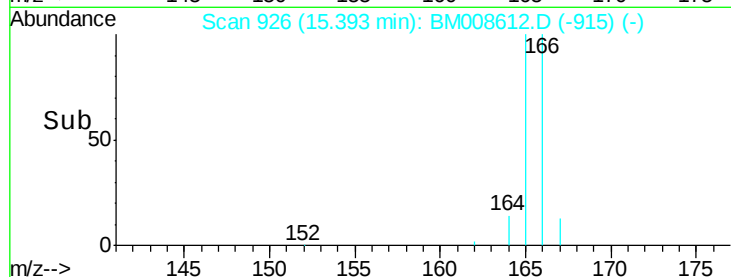
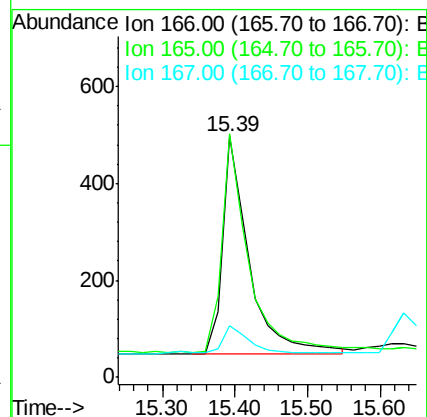
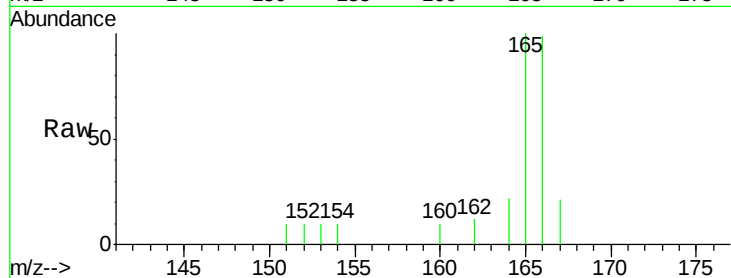
Tgt Ion:166 Resp: 1141

Ion Ratio Lower Upper

166 100

165 101.2 73.4 110.2

167 21.4 14.6 22.0



#11

Pentachlorophenol

Concen: 0.33 ng/ul

RT: 16.78 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BM008612.D

Acq: 24 Dec 2016 01:04

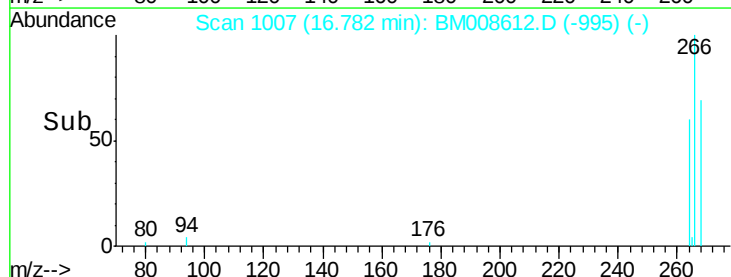
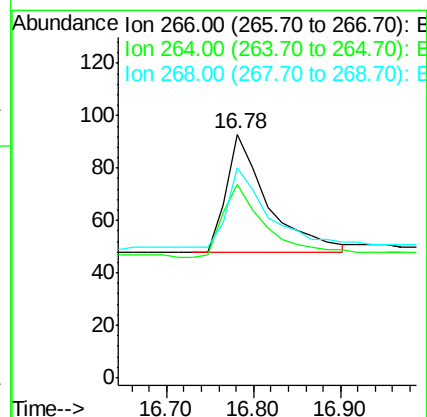
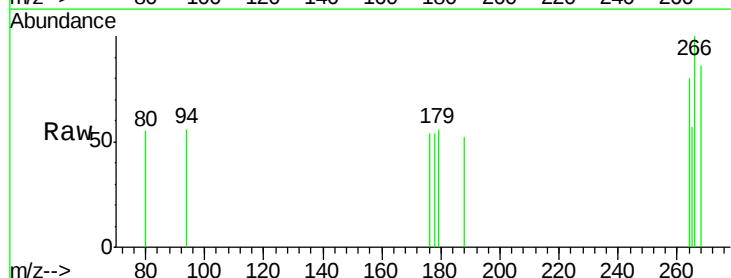
Tgt Ion:266 Resp: 148

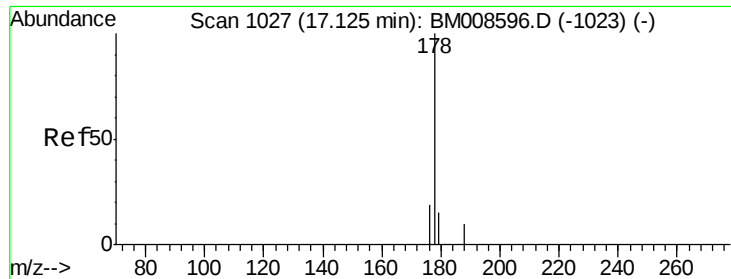
Ion Ratio Lower Upper

266 100

264 65.5 47.9 71.9

268 65.5 49.8 74.8





#12

Phenanthrene

Concen: 0.40 ng/ul

RT: 17.12 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BM008612.D

Acq: 24 Dec 2016 01:04

Instrument :

BNA_M

ClientSampleId :

SSTD0.463

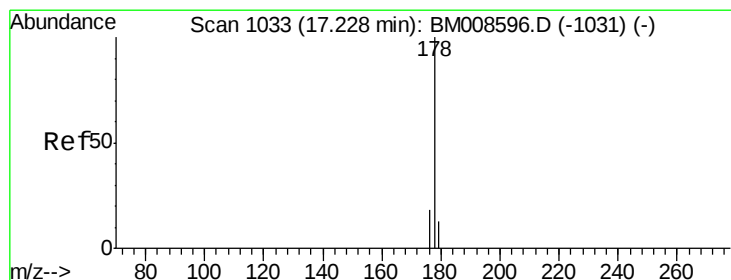
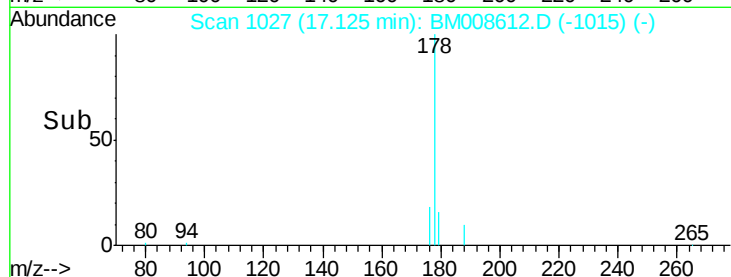
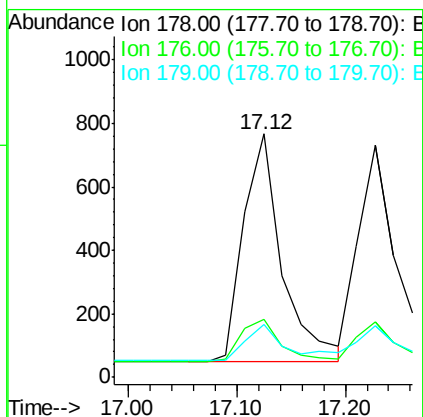
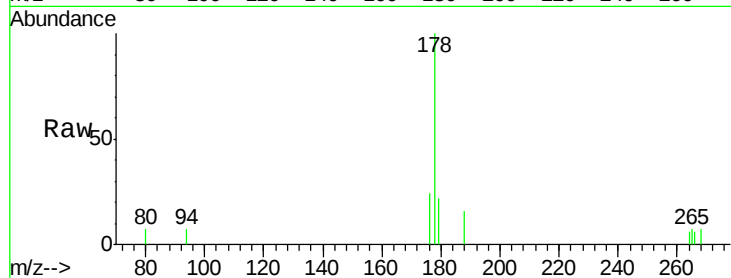
Tgt Ion:178 Resp: 1746

Ion Ratio Lower Upper

178 100

176 23.6 18.4 27.6

179 21.8 13.6 20.4#



#13

Anthracene

Concen: 0.41 ng/ul

RT: 17.12 min Scan# 1027

Delta R.T. -0.10 min

Lab File: BM008612.D

Acq: 24 Dec 2016 01:04

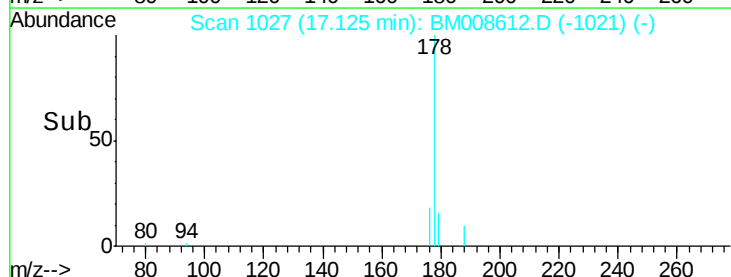
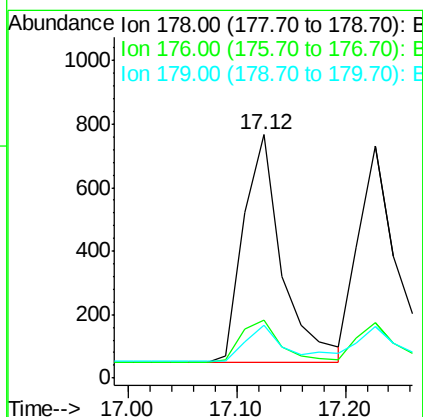
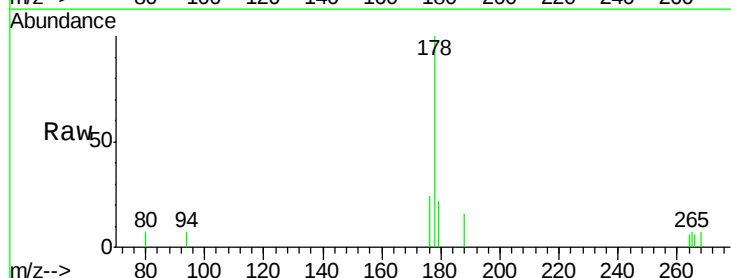
Tgt Ion:178 Resp: 1746

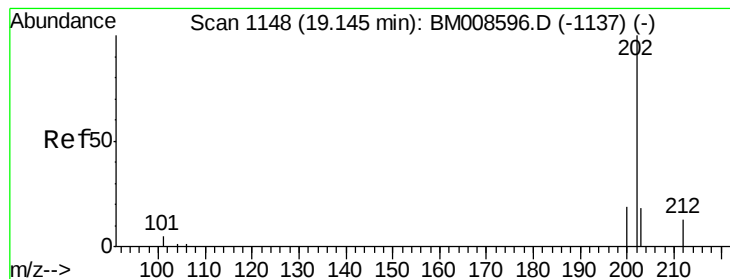
Ion Ratio Lower Upper

178 100

176 23.6 18.1 27.1

179 21.8 14.7 22.1





#15

Fluoranthene

Concen: 0.41 ng/ul

RT: 19.13 min Scan# 1147

Delta R.T. -0.01 min

Lab File: BM008612.D

Acq: 24 Dec 2016 01:04

Instrument :

BNA_M

ClientSampleId :

SSTD0.463

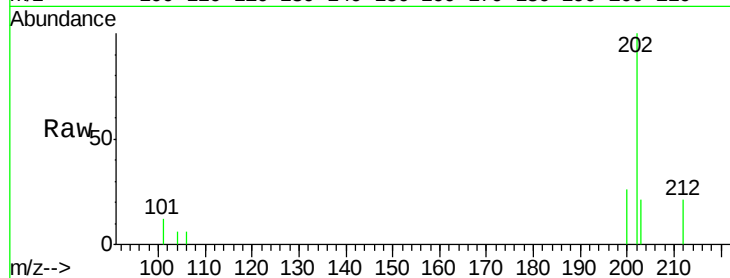
Tgt Ion:202 Resp: 2206

Ion Ratio Lower Upper

202 100

101 12.0 0.0 30.3

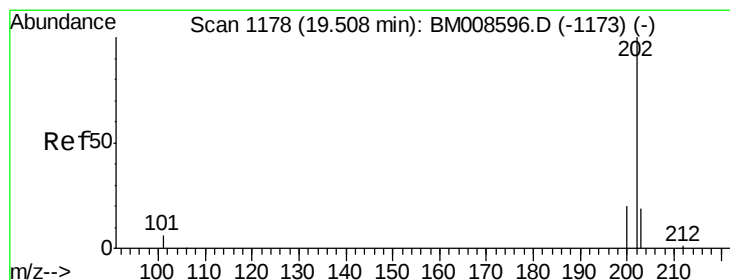
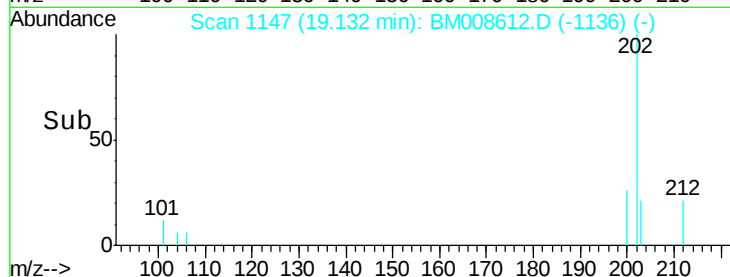
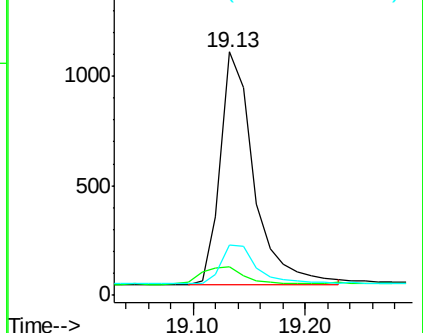
203 20.6 0.0 39.5



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: BM008612.D

Acq: 24 Dec 2016 01:04

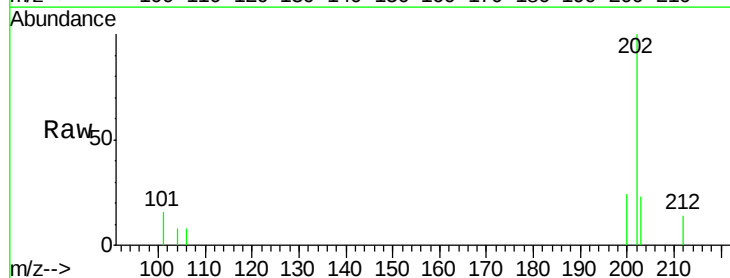
Tgt Ion:202 Resp: 2420

Ion Ratio Lower Upper

202 100

200 24.2 18.2 27.4

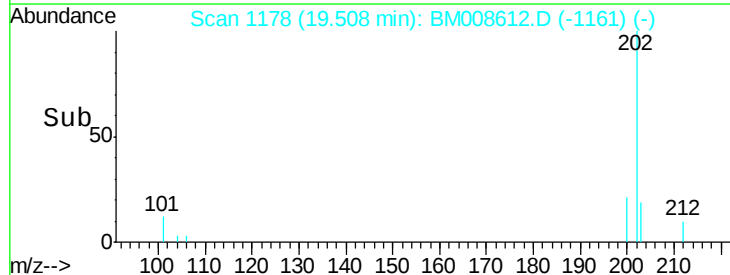
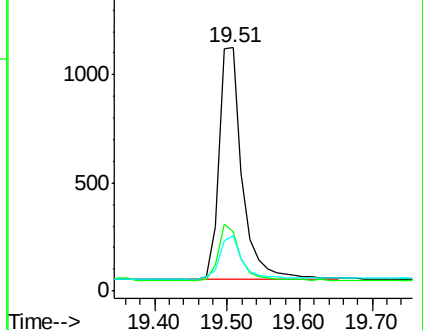
203 22.8 15.6 23.4

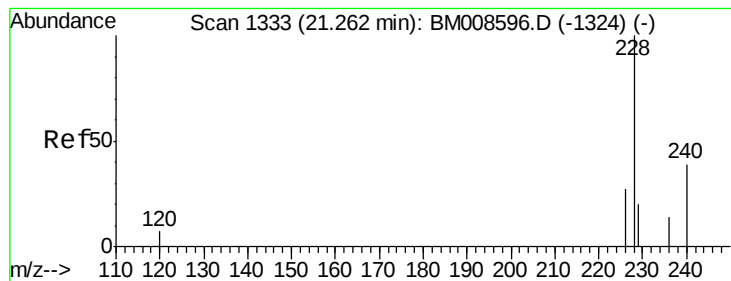


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.41 ng/ul

RT: 21.25 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BM008612.D

Acq: 24 Dec 2016 01:04

Instrument :

BNA_M

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SSTD0.463

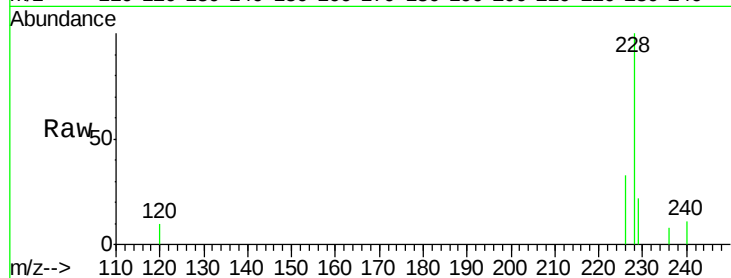
Tgt Ion:228 Resp: 1964

Ion Ratio Lower Upper

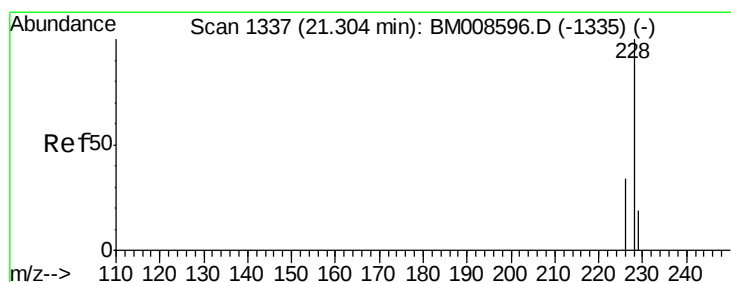
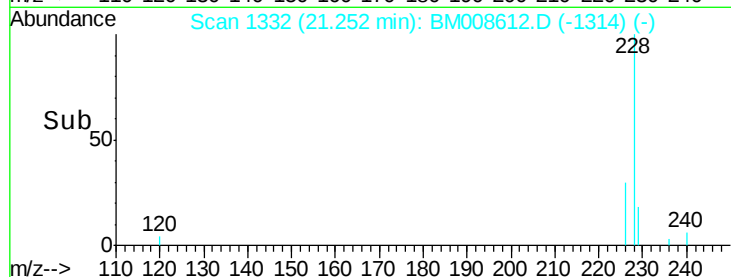
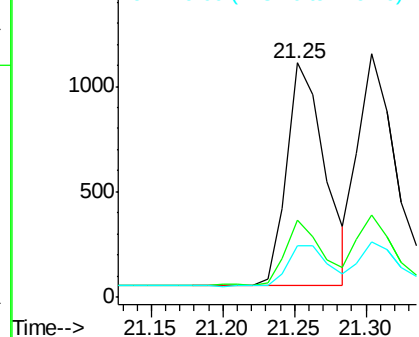
228 100

226 32.9 22.8 34.2

229 21.9 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: 0.42 ng/ul

RT: 21.30 min Scan# 1337

Delta R.T. -0.00 min

Lab File: BM008612.D

Acq: 24 Dec 2016 01:04

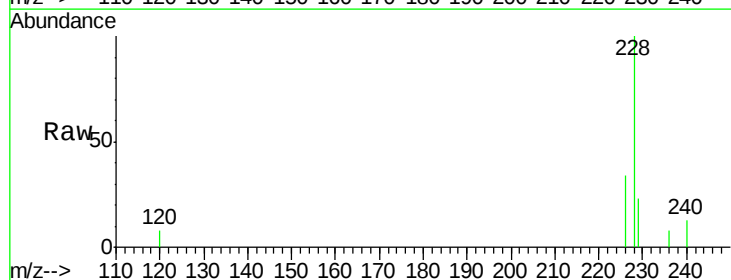
Tgt Ion:228 Resp: 2157

Ion Ratio Lower Upper

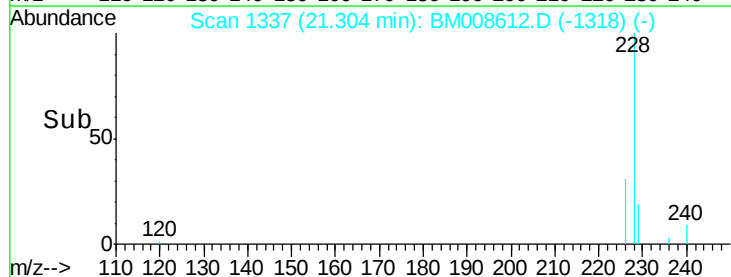
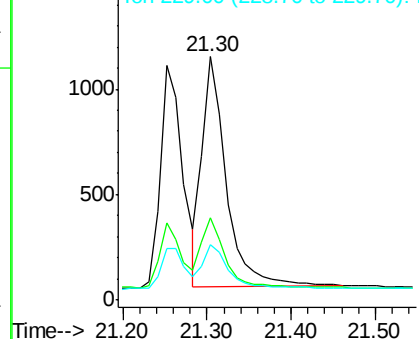
228 100

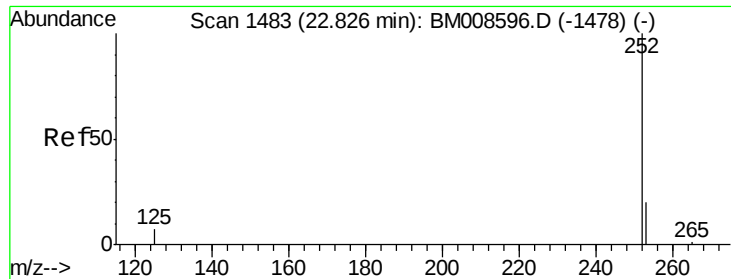
226 34.1 23.4 35.0

229 22.5 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/u1

RT: 22.83 min Scan# 1483

Delta R.T. -0.00 min

Lab File: BM008612.D

Acq: 24 Dec 2016 01:04

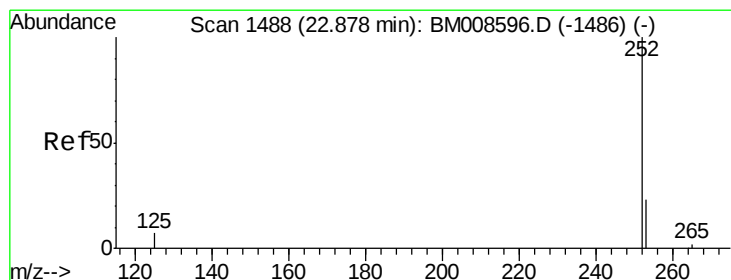
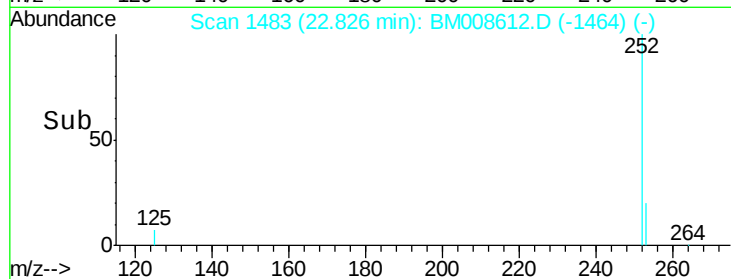
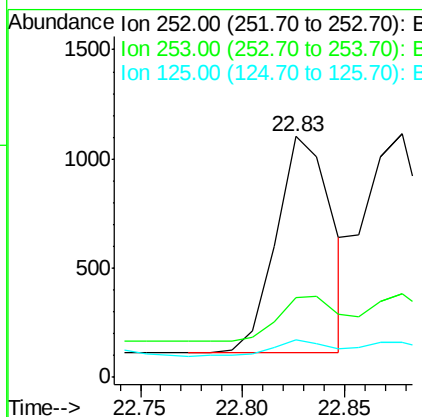
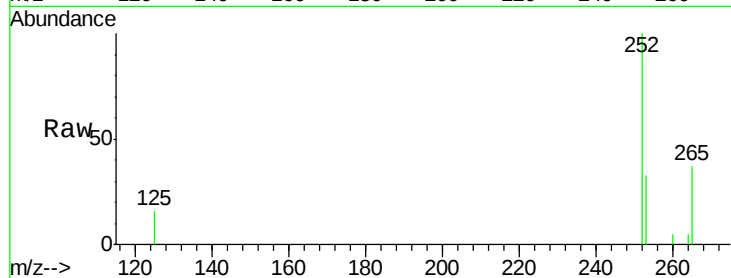
Instrument :

BNA_M

ClientSampleId :

SSTD0.463

Tgt Ion:	252	Resp:	1888
Ion	Ratio	Lower	Upper
252	100		
253	33.4	0.0	64.2
125	15.5	0.0	35.0



#22

Benzo(k)fluoranthene

Concen: 0.46 ng/u1

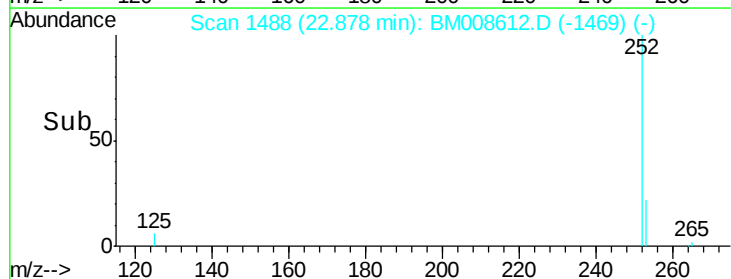
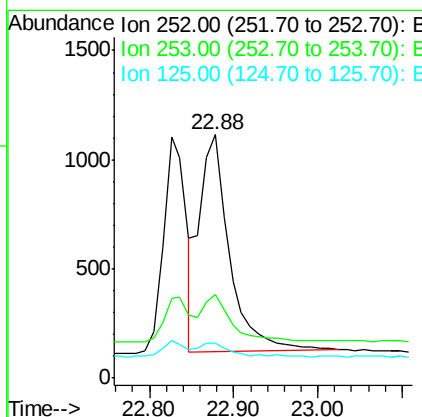
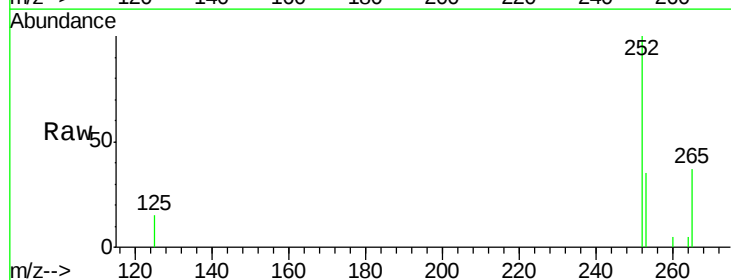
RT: 22.88 min Scan# 1488

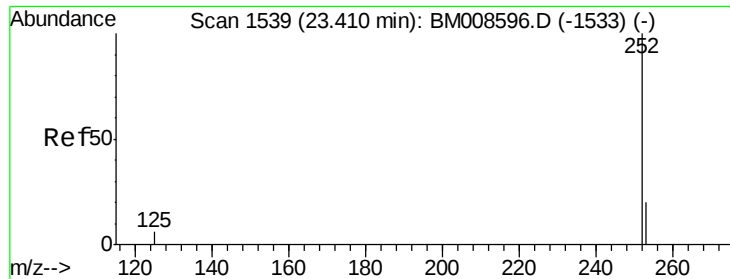
Delta R.T. -0.00 min

Lab File: BM008612.D

Acq: 24 Dec 2016 01:04

Tgt Ion:	252	Resp:	2455
Ion	Ratio	Lower	Upper
252	100		
253	34.6	24.5	36.7
125	14.5	13.7	20.5





#23

Benzo(a)pyrene

Concen: 0.42 ng/ul

RT: 23.41 min Scan# 1539

Delta R.T. -0.00 min

Lab File: BM008612.D

Acq: 24 Dec 2016 01:04

Instrument :

BNA_M

ClientSampleId :

SSTD0.463

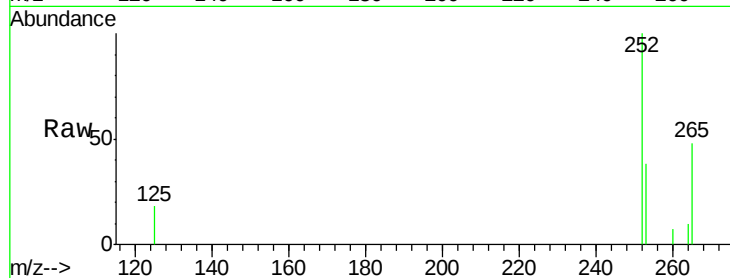
Tgt Ion: 252 Resp: 2124

Ion Ratio Lower Upper

252 100

253 38.2 28.5 42.7

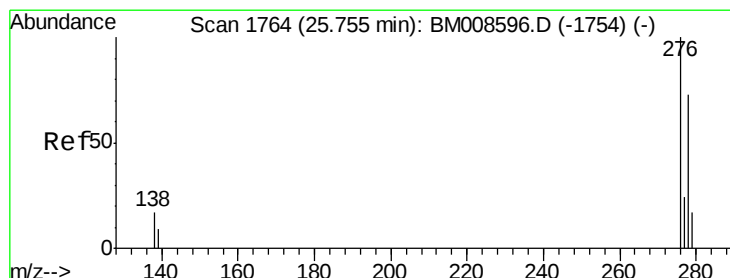
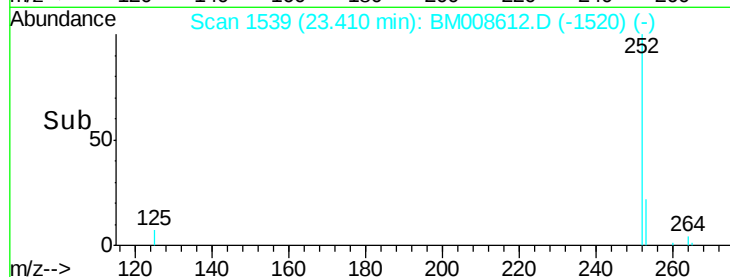
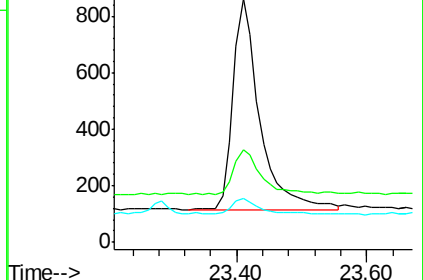
125 18.0 18.1 27.1#



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: 25.76 min Scan# 1764

Delta R.T. -0.00 min

Lab File: BM008612.D

Acq: 24 Dec 2016 01:04

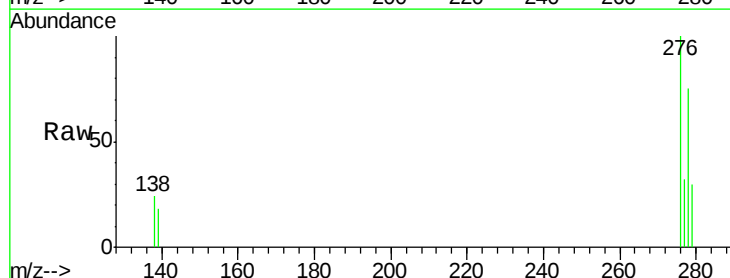
Tgt Ion: 276 Resp: 2447

Ion Ratio Lower Upper

276 100

138 17.6 19.1 28.7#

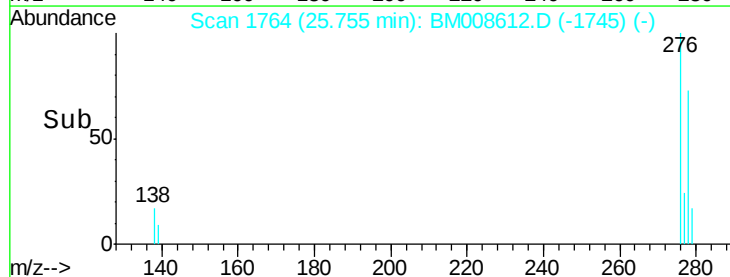
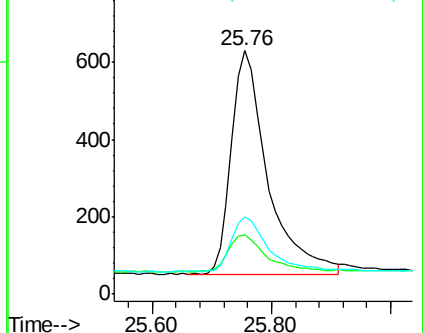
277 24.7 19.6 29.4

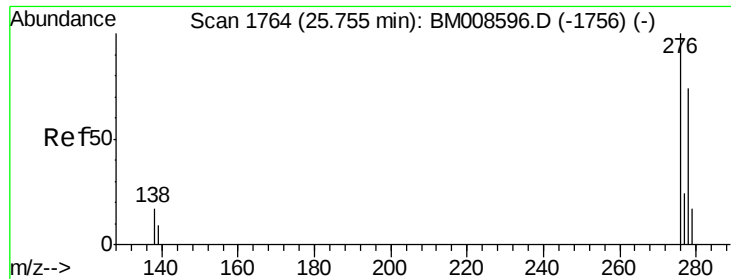


Abundance Ion 276.00 (275.70 to 276.70): E

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: 25.76 min Scan# 1764

Delta R.T. -0.00 min

Lab File: BM008612.D

Acq: 24 Dec 2016 01:04

Instrument :

BNA_M

ClientSampleId :

SSTD0.463

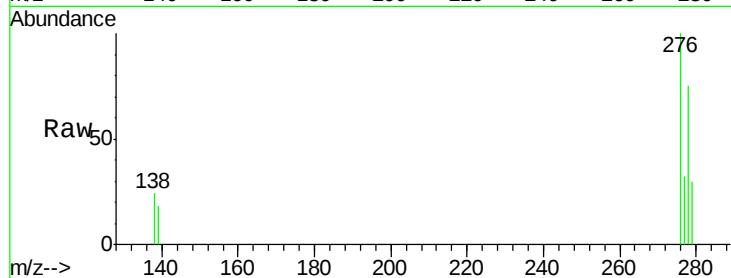
Tgt Ion:278 Resp: 1954

Ion Ratio Lower Upper

278 100

139 24.0 17.4 26.0

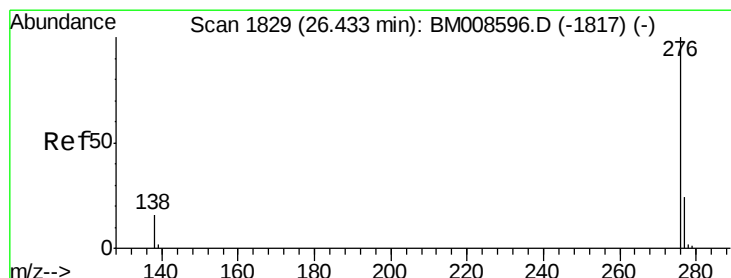
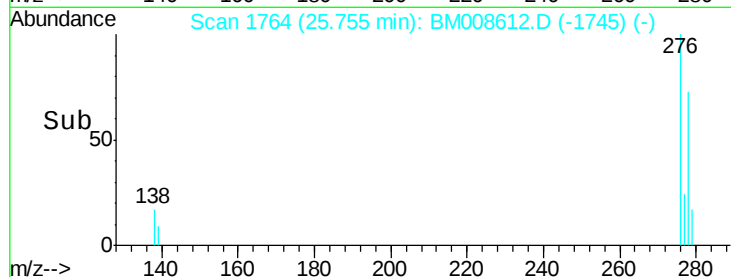
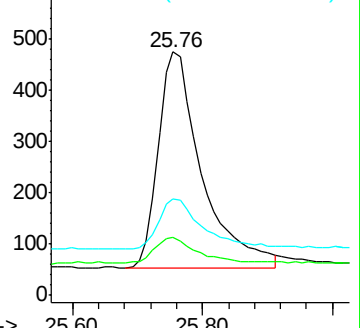
279 39.8 25.9 38.9#



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: 26.43 min Scan# 1829

Delta R.T. -0.00 min

Lab File: BM008612.D

Acq: 24 Dec 2016 01:04

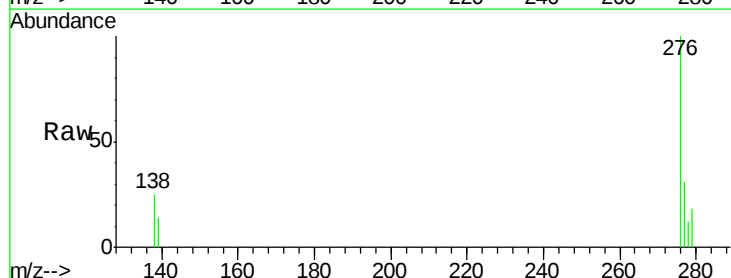
Tgt Ion:276 Resp: 2128

Ion Ratio Lower Upper

276 100

277 31.3 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

