

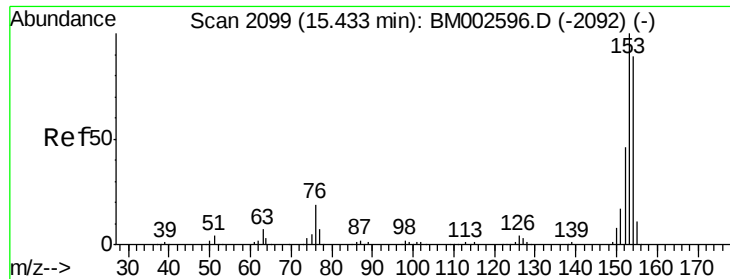
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM083115\
 Data File : BM002612.D
 Acq On : 01 Sep 2015 05:08
 Operator : UM/IZ
 Sample : G3457-03MD
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9EA4MSD

Quant Time: Sep 01 05:41:11 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 01 02:00:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	130398	20.00	ng/ul	0.00
2) Naphthalene-d8	11.65	136	596293	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.37	164	306389	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.07	188	603209	20.00	ng/ul	0.00
17) Chrysene-d12	22.16	240	451207	20.00	ng/ul	0.00
22) Perylene-d12	24.79	264	426741	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	15.07	160	579638	18.50	ng/ul	0.00
10) Fluorene-d10	16.34	176	377598	17.16	ng/ul	0.00
14) Anthracene-d10	18.17	188	525291	18.05	ng/ul	0.00
18) Pyrene-d10	20.40	212	446340	22.32	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.61	264	329242	14.69	ng/ul	0.00
Target Compounds						
9) Acenaphthene	15.43	153	462366	21.41	ng/ul	Qvalue 99
13) Phenanthrene	18.12	178	142964	4.10	ng/ul	99
16) Fluoranthene	20.07	202	288472	7.32	ng/ul	95
19) Pyrene	20.43	202	969628	36.68	ng/ul	97
20) Benzo(a)anthracene	22.14	228	119942	4.45	ng/ul	98
21) Chrysene	22.20	228	138106	5.47	ng/ul	96
23) Benzo(b)fluoranthene	23.97	252	203066	7.87	ng/ul	95
24) Benzo(k)fluoranthene	23.97	252	54656	2.24	ng/ul#	96
26) Benzo(a)pyrene	24.67	252	125155	5.08	ng/ul#	94
27) Indeno(1,2,3-cd)pyrene	27.54	276	98594	3.48	ng/ul	95
28) Dibenzo(a,h)anthracene	27.54	278	27847	1.18	ng/ul#	66
29) Benzo(g,h,i)perylene	28.41	276	86413	3.66	ng/ul	94

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



#9

Acenaphthene

Concen: 21.41 ng/ul

RT: 15.43 min Scan# 2099

Delta R.T. 0.00 min

Lab File: BM002612.D

Acq: 01 Sep 2015 05:08

Instrument :

BNA_M

ClientSampleId :

D9EA4MSD

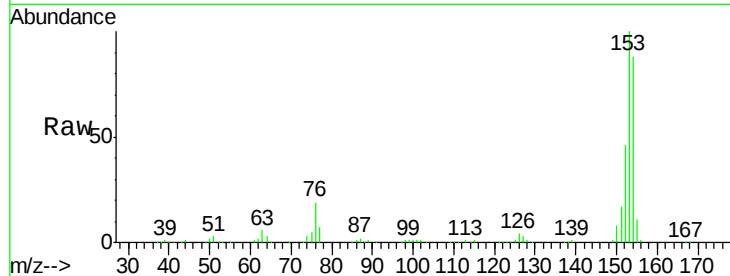
Tgt Ion:153 Resp: 462366

Ion Ratio Lower Upper

153 100

152 46.0 36.9 55.3

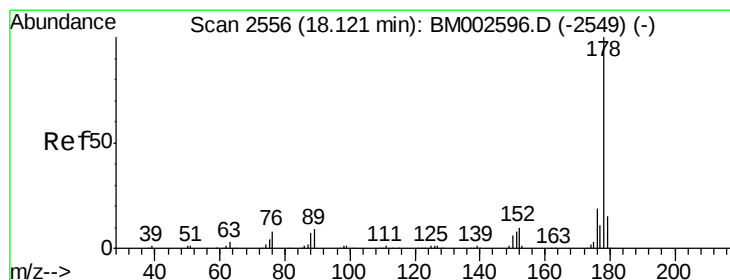
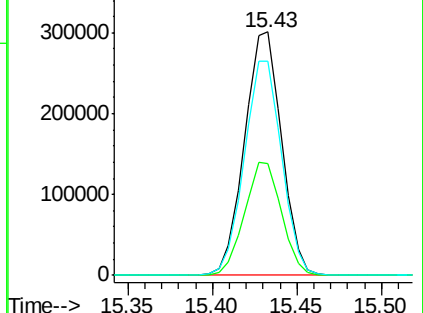
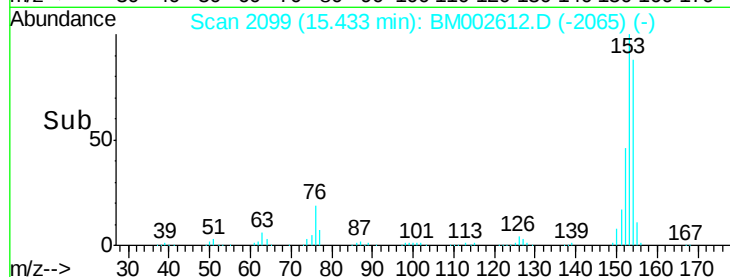
154 87.9 71.3 106.9



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



#13

Phenanthrene

Concen: 4.10 ng/ul

RT: 18.12 min Scan# 2555

Delta R.T. -0.01 min

Lab File: BM002612.D

Acq: 01 Sep 2015 05:08

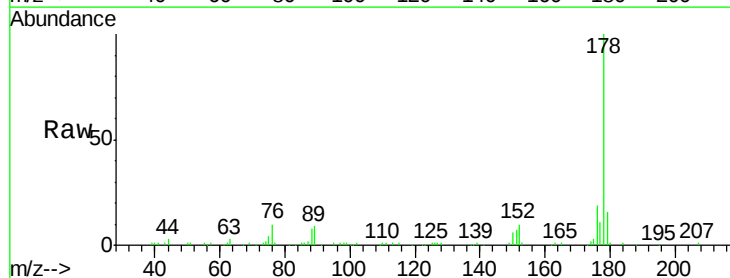
Tgt Ion:178 Resp: 142964

Ion Ratio Lower Upper

178 100

179 15.9 12.4 18.6

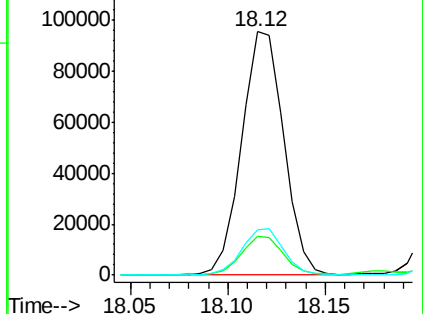
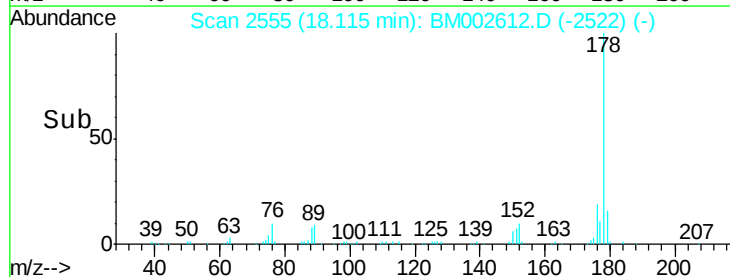
176 18.5 15.1 22.7

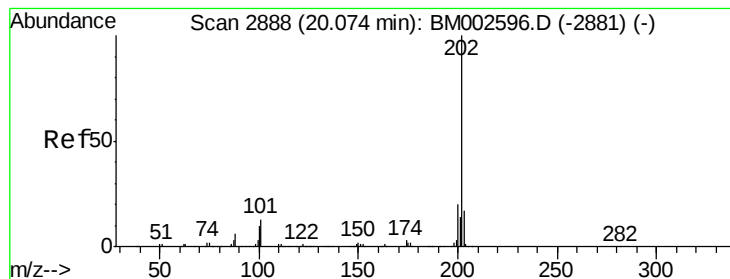


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 7.32 ng/ul

RT: 20.07 min Scan# 2887

Delta R.T. -0.01 min

Lab File: BM002612.D

Acq: 01 Sep 2015 05:08

Instrument :

BNA_M

ClientSampleId :

D9EA4MSD

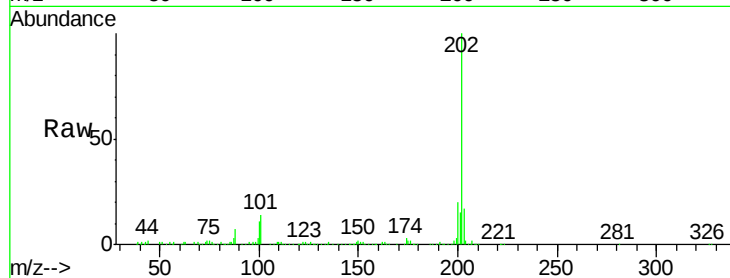
Tgt Ion:202 Resp: 288472

Ion Ratio Lower Upper

202 100

101 14.0 9.7 14.5

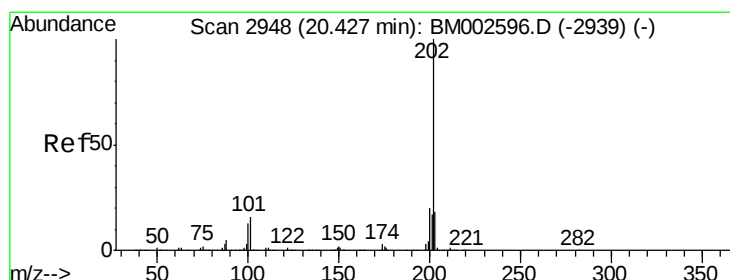
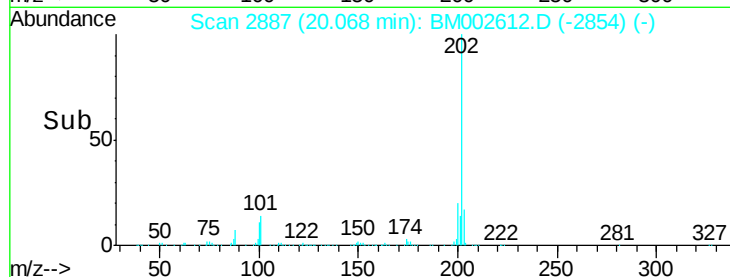
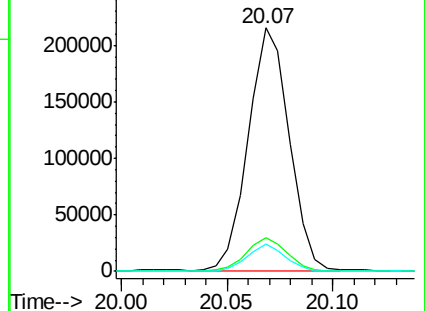
100 11.0 7.4 11.2



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



#19

Pyrene

Concen: 36.68 ng/ul

RT: 20.43 min Scan# 2948

Delta R.T. 0.00 min

Lab File: BM002612.D

Acq: 01 Sep 2015 05:08

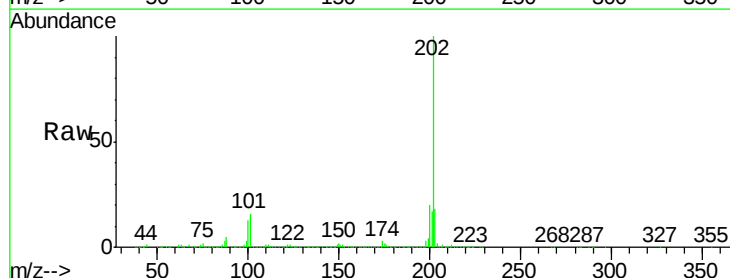
Tgt Ion:202 Resp: 969628

Ion Ratio Lower Upper

202 100

101 16.4 12.0 18.0

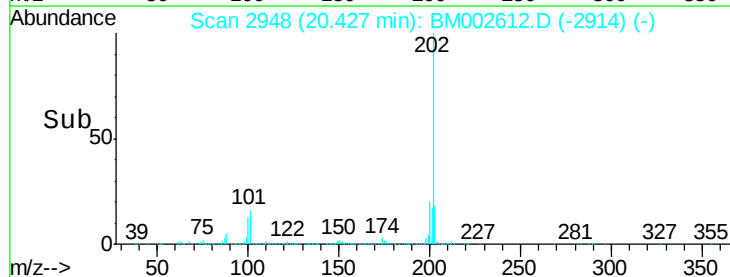
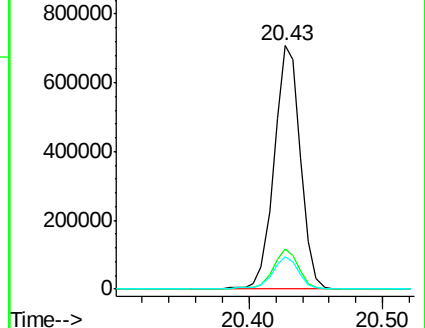
100 13.3 9.7 14.5

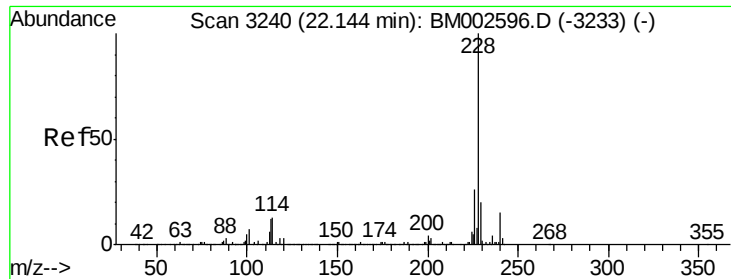


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 4.45 ng/ul

RT: 22.14 min Scan# 3239

Delta R.T. -0.01 min

Lab File: BM002612.D

Acq: 01 Sep 2015 05:08

Instrument :

BNA_M

ClientSampleId :

D9EA4MSD

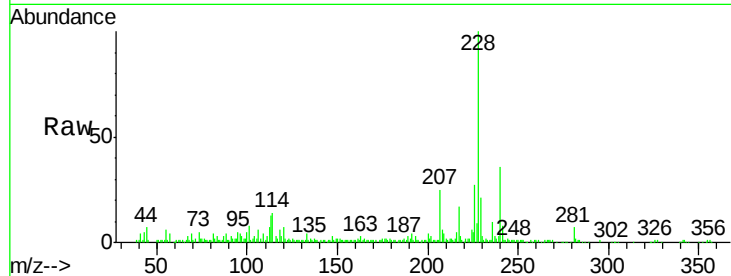
Tgt Ion:228 Resp: 119942

Ion Ratio Lower Upper

228 100

229 21.2 15.8 23.6

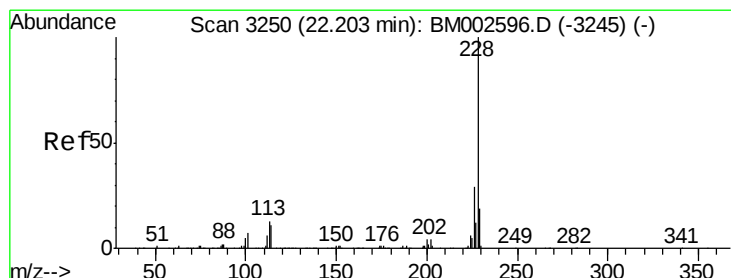
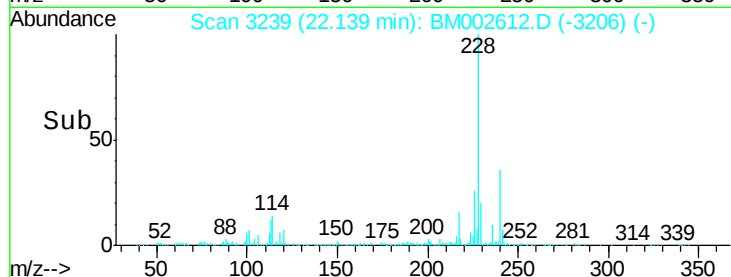
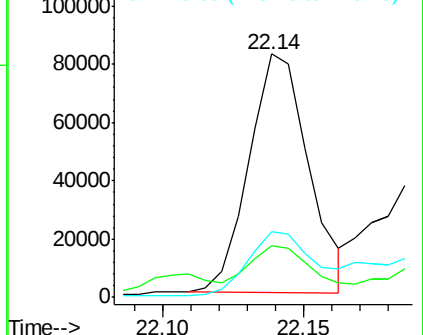
226 27.0 21.1 31.7



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



#21

Chrysene

Concen: 5.47 ng/ul

RT: 22.20 min Scan# 3249

Delta R.T. -0.01 min

Lab File: BM002612.D

Acq: 01 Sep 2015 05:08

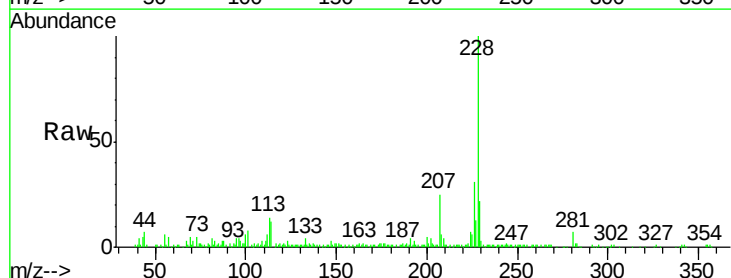
Tgt Ion:228 Resp: 138106

Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.2

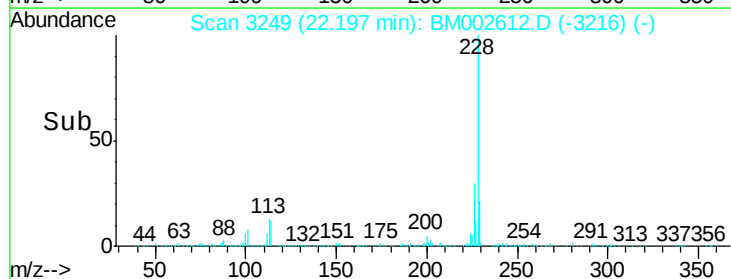
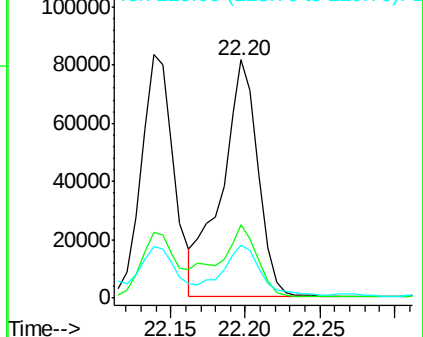
229 22.2 15.7 23.5

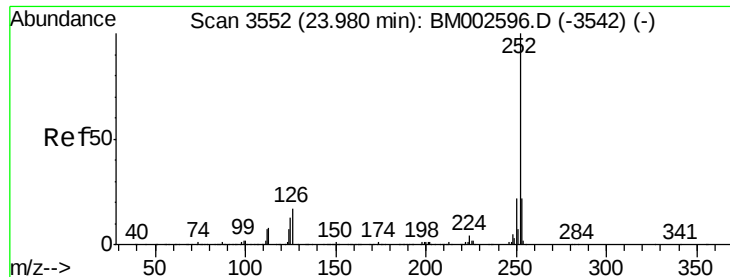


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 7.87 ng/ul

RT: 23.97 min Scan# 3551

Delta R.T. -0.01 min

Lab File: BM002612.D

Acq: 01 Sep 2015 05:08

Instrument :

BNA_M

ClientSampleId :

D9EA4MSD

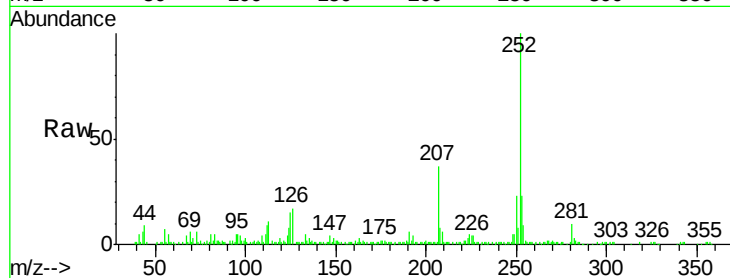
Tgt Ion:252 Resp: 203066

Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.0

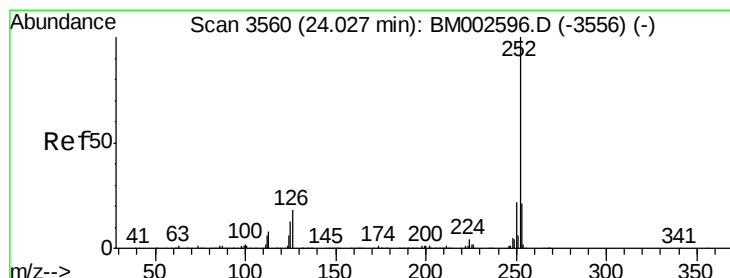
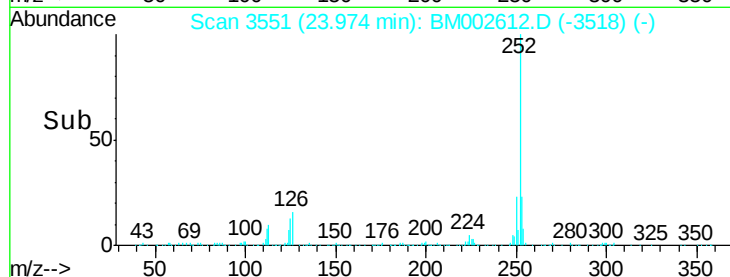
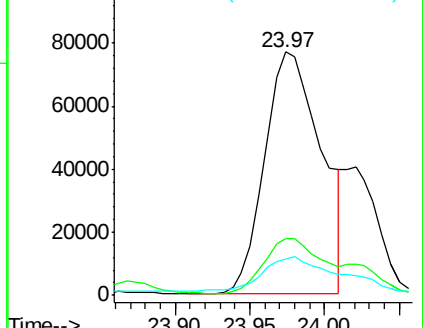
125 14.8 10.0 15.0



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



#24

Benzo(k)fluoranthene

Concen: 2.24 ng/ul

RT: 23.97 min Scan# 3551

Delta R.T. -0.05 min

Lab File: BM002612.D

Acq: 01 Sep 2015 05:08

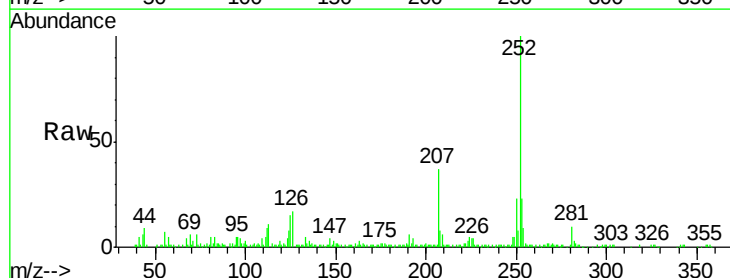
Tgt Ion:252 Resp: 54656

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.6

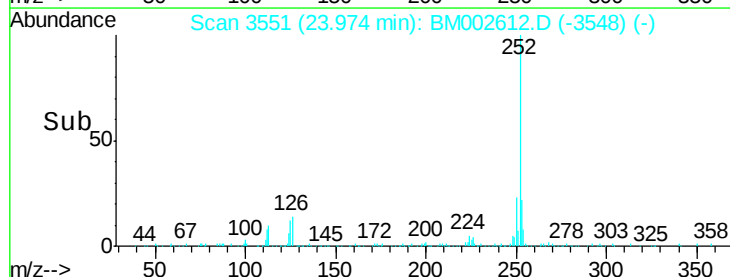
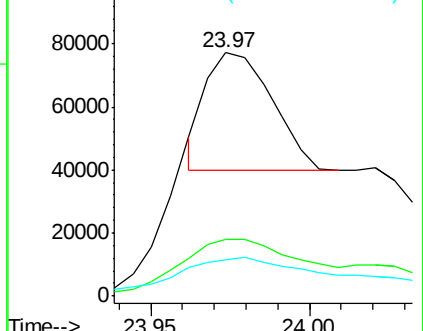
125 14.8 9.8 14.8#

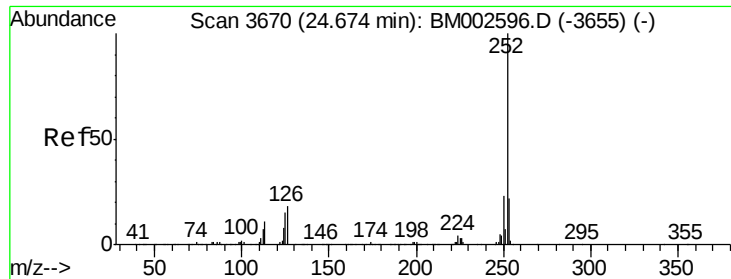


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 5.08 ng/ul

RT: 24.67 min Scan# 3669

Delta R.T. -0.01 min

Lab File: BM002612.D

Acq: 01 Sep 2015 05:08

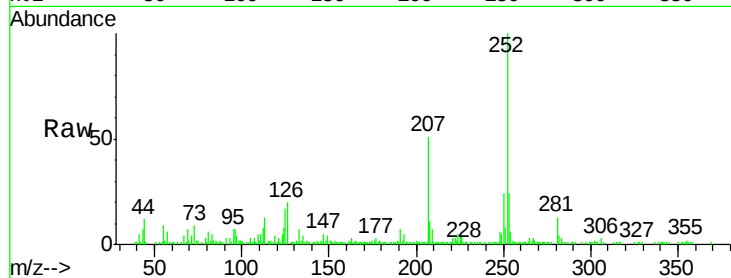
Instrument :

BNA_M

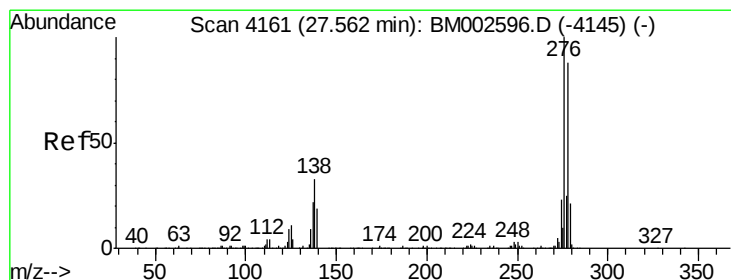
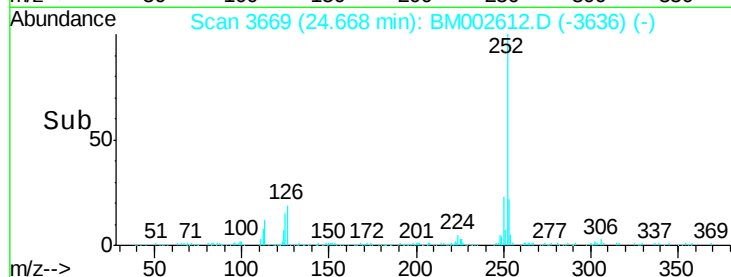
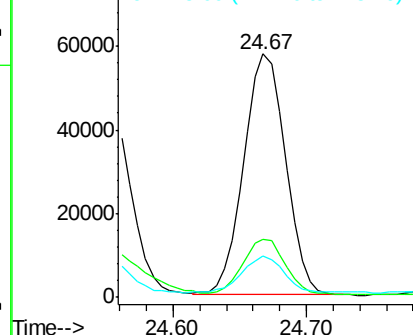
ClientSampleId :

D9EA4MSD

Tgt Ion:	252	Resp:	125155
Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.6	26.4
125	17.2	10.7	16.1#



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 3.48 ng/ul

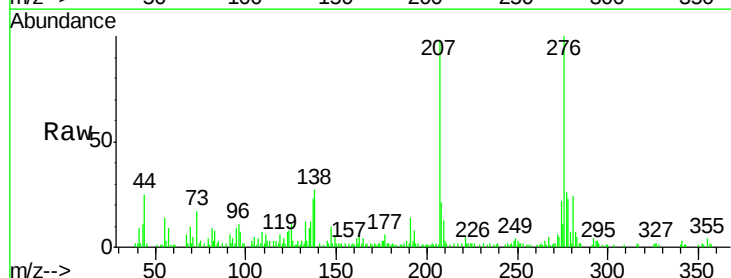
RT: 27.54 min Scan# 4158

Delta R.T. -0.02 min

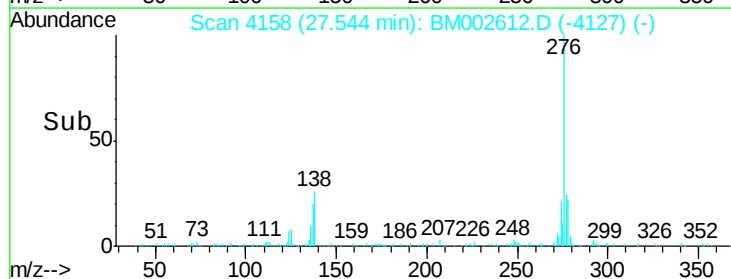
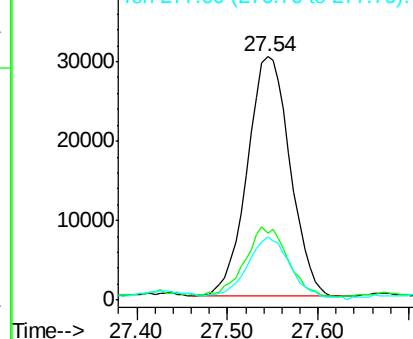
Lab File: BM002612.D

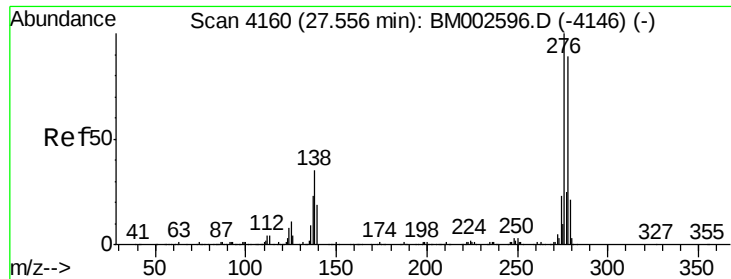
Acq: 01 Sep 2015 05:08

Tgt Ion:	276	Resp:	98594
Ion	Ratio	Lower	Upper
276	100		
138	27.3	25.3	37.9
277	25.9	20.2	30.2



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





#28

Dibenzo(a,h)anthracene

Concen: 1.18 ng/ul

RT: 27.54 min Scan# 4157

Delta R.T. -0.02 min

Lab File: BM002612.D

Acq: 01 Sep 2015 05:08

Instrument :

BNA_M

ClientSampleId :

D9EA4MSD

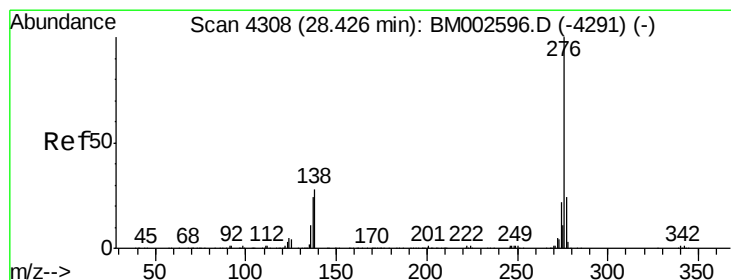
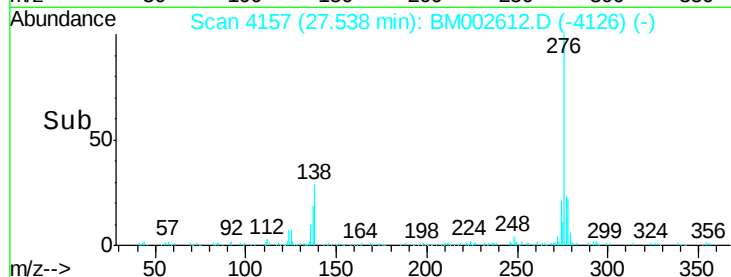
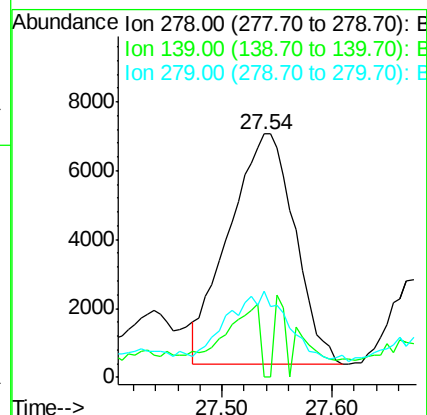
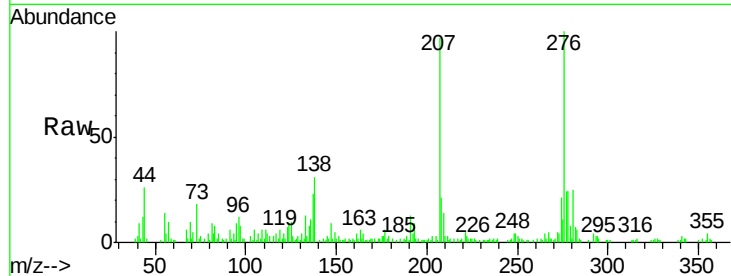
Tgt Ion:278 Resp: 27847

Ion Ratio Lower Upper

278 100

139 0.0 16.5 24.7#

279 35.3 18.8 28.2#



#29

Benzo(g,h,i)perylene

Concen: 3.66 ng/ul

RT: 28.41 min Scan# 4306

Delta R.T. -0.01 min

Lab File: BM002612.D

Acq: 01 Sep 2015 05:08

Tgt Ion:276 Resp: 86413

Ion Ratio Lower Upper

276 100

138 31.1 21.0 31.6

277 24.8 19.2 28.8

