

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
 Data File : BM012928.D
 Acq On : 12 Nov 2017 06:37
 Operator : SJ/JU
 Sample : SSTDC0020EC
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Nov 13 02:12:57 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 13 02:06:47 2017
 Response via : Initial Calibration

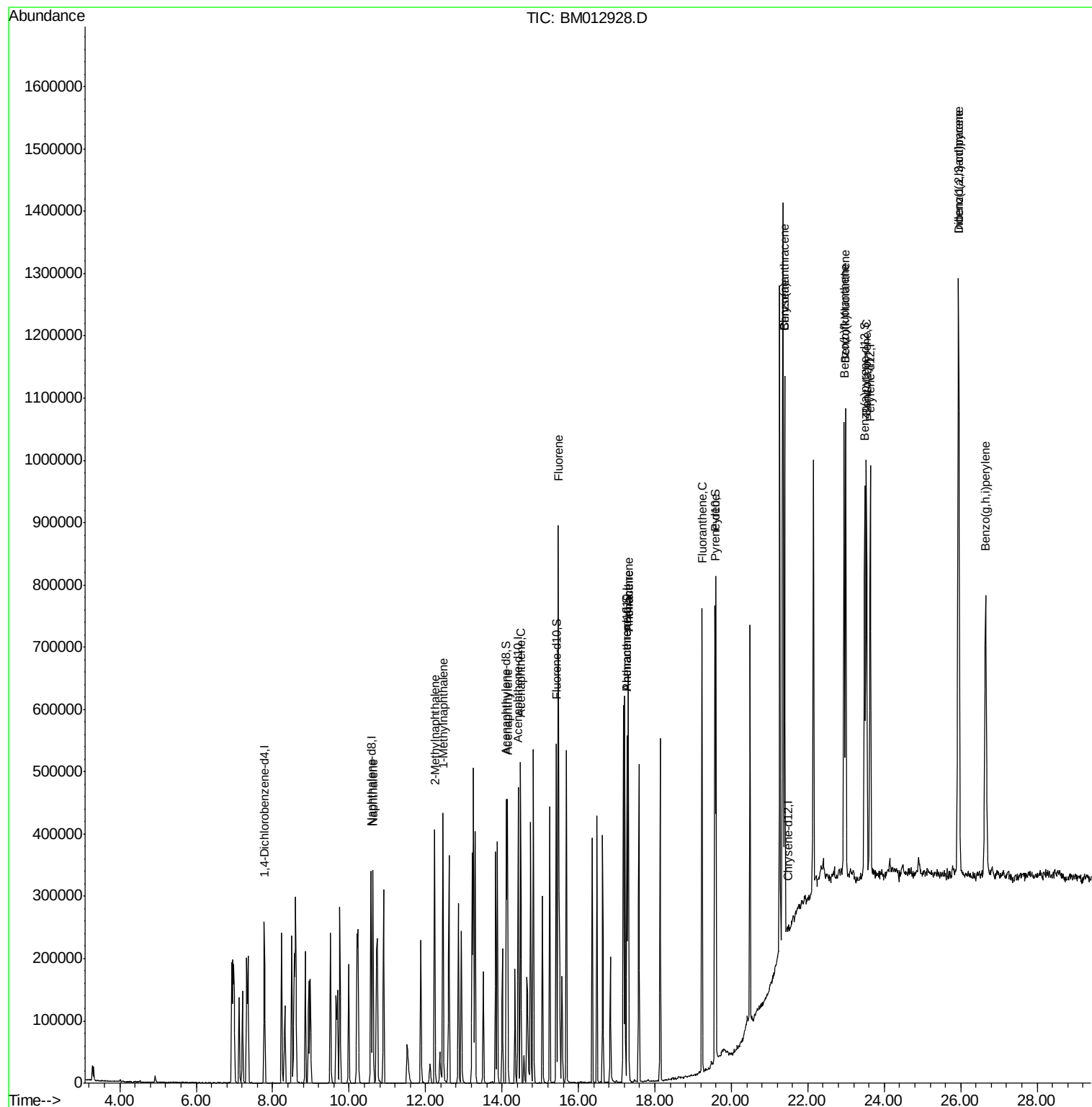
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	76127	20.00	ng/ul	0.00
2) Naphthalene-d8	10.57	136	288505	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.42	164	161414	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.27	188	332550	20.00	ng/ul	0.10
17) Chrysene-d12	21.49	240	845	20.00	ng/ul	0.14
22) Perylene-d12	23.63	264	478342	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	14.12	160	325306	19.38	ng/ul	0.00
10) Fluorene-d10	15.42	176	217277	18.92	ng/ul	0.00
14) Anthracene-d10	17.27	188	332550	20.69	ng/ul	0.00
18) Pyrene-d10	19.57	212	363084	9603.51	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.49	264	433807	19.21	ng/ul	0.01
Target Compounds						
					Ovalue	
3) Naphthalene	10.62	128	281248	19.25	ng/ul	99
4) 2-Methylnaphthalene	12.24	142	205181	19.07	ng/ul	98
5) 1-Methylnaphthalene	12.46	142	199263	18.90	ng/ul#	94
8) Acenaphthylene	14.15	152	317684	19.45	ng/ul	98
9) Acenaphthene	14.49	153	211588	19.34	ng/ul	93
11) Fluorene	15.47	166	252072	19.31	ng/ul	92
13) Phenanthrene	17.30	178	399708	21.76	ng/ul	98
15) Anthracene	17.30	178	399708	20.94	ng/ul	98
16) Fluoranthene	19.23	202	460010	20.36	ng/ul#	91
19) Pyrene	19.59	202	471487	9720.23	ng/ul#	94
20) Benzo(a)anthracene	21.39	228	442406	8508.81	ng/ul	97
21) Chrysene	21.39	228	442050	9513.69	ng/ul	98
23) Benzo(b)fluoranthene	22.95	252	542289	19.06	ng/ul#	97
24) Benzo(k)fluoranthene	22.99	252	525795	19.34	ng/ul#	97
26) Benzo(a)pyrene	23.53	252	527865	19.13	ng/ul#	97
27) Indeno(1,2,3-cd)pyrene	25.94	276	682674	19.18	ng/ul	96
28) Dibenzo(a,h)anthracene	25.94	278	576564	19.28	ng/ul#	96
29) Benzo(a,h,i)perylene	26.65	276	572736	19.28	ng/ul#	96

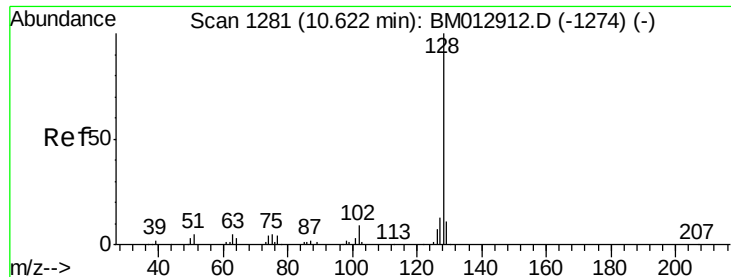
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :

Quant Time: Nov 13 02:12:57 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 13 02:06:47 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 19.25 ng/ul

RT: 10.62 min Scan# 1281

Delta R.T. 0.00 min

Lab File: BM012928.D

Acq: 12 Nov 2017 06:37

Instrument :

BNA_M

ClientSampleId :

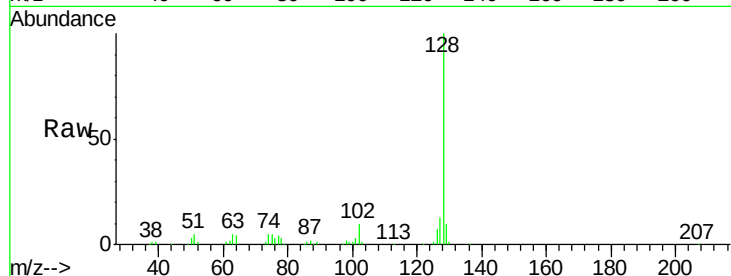
Tot Ion:128 Resp: 281248

Ion Ratio Lower Upper

128 100

129 10.5 8.7 13.1

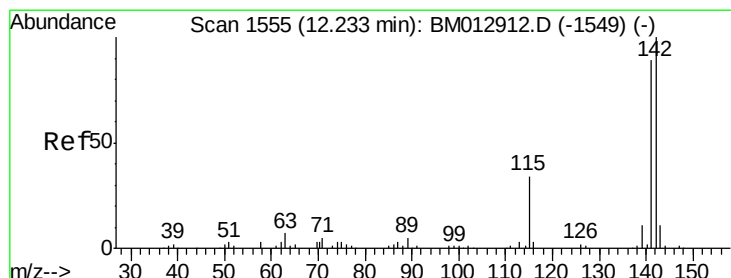
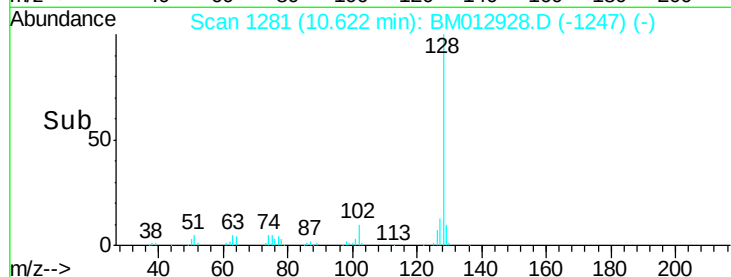
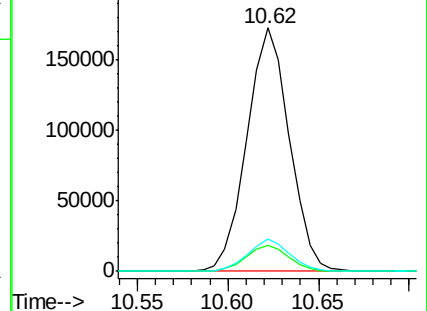
127 13.2 10.6 16.0



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



#4

2-Methylnaphthalene

Concen: 19.07 ng/ul

RT: 12.24 min Scan# 1556

Delta R.T. 0.01 min

Lab File: BM012928.D

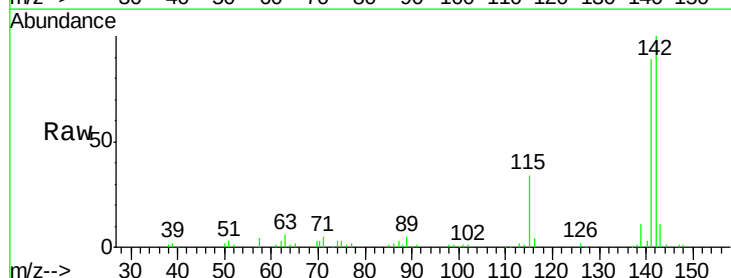
Acq: 12 Nov 2017 06:37

Tgt Ion:142 Resp: 205181

Ion Ratio Lower Upper

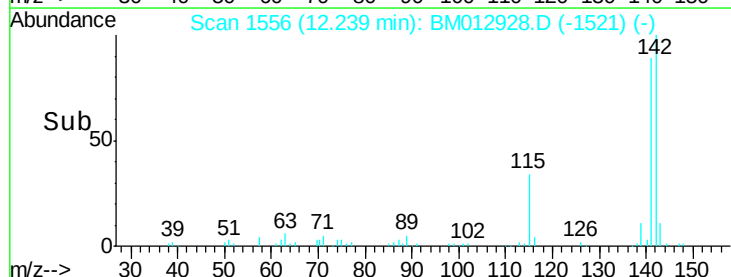
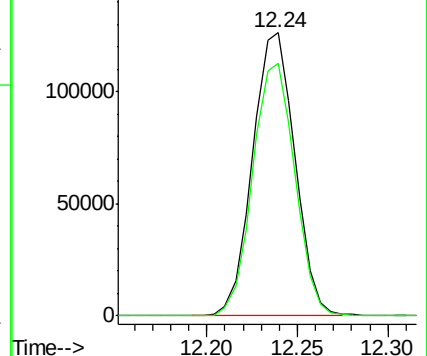
142 100

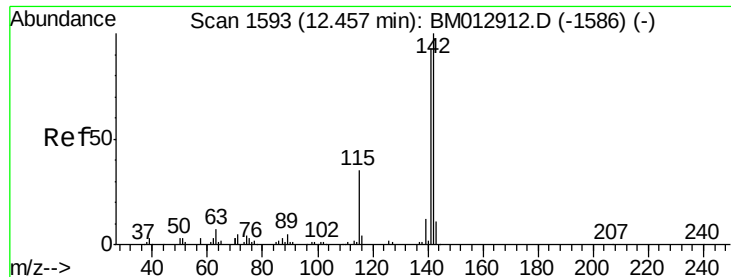
141 89.2 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 18.90 ng/ul

RT: 12.46 min Scan# 1593

Delta R.T. 0.00 min

Lab File: BM012928.D

Acq: 12 Nov 2017 06:37

Instrument :

BNA_M

ClientSampleId :

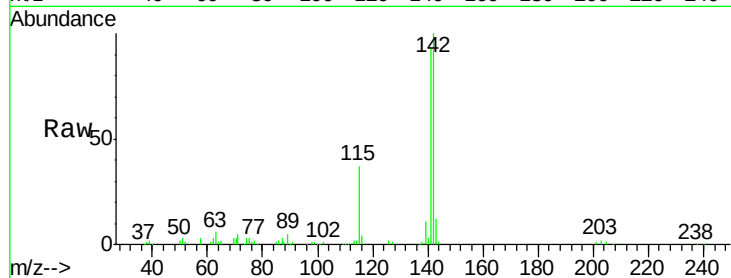
Tot Ion:142 Resp: 199263

Ion Ratio Lower Upper

142 100

141 92.8 79.3 118.9

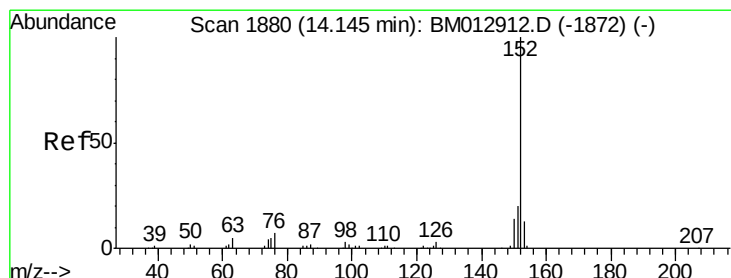
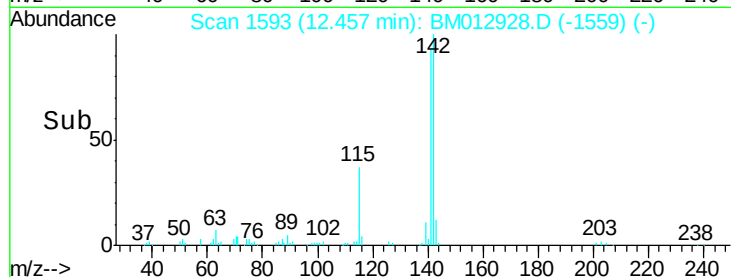
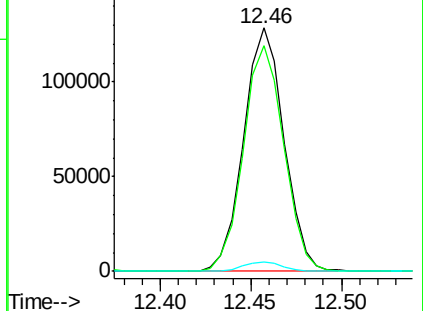
116 3.9 4.2 6.2#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#8

Acenaphthylene

Concen: 19.45 ng/ul

RT: 14.15 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BM012928.D

Acq: 12 Nov 2017 06:37

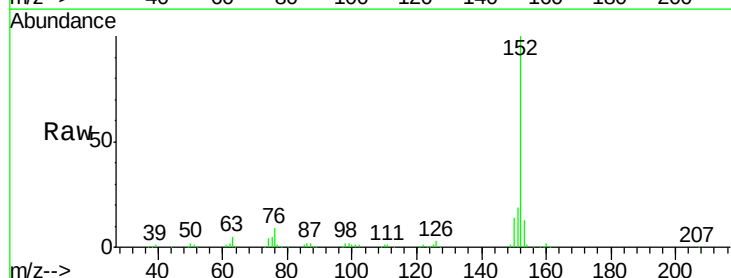
Tgt Ion:152 Resp: 317684

Ion Ratio Lower Upper

152 100

151 19.3 16.7 25.1

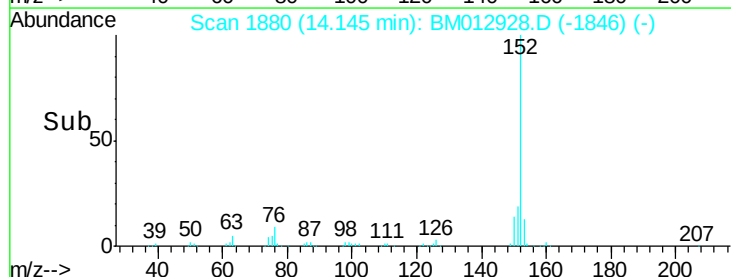
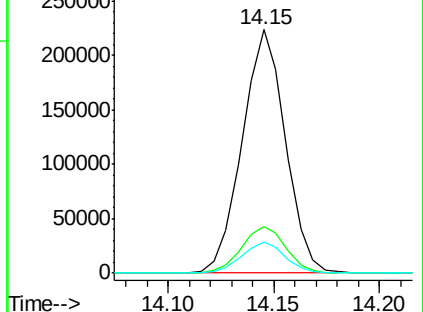
153 12.8 10.2 15.4

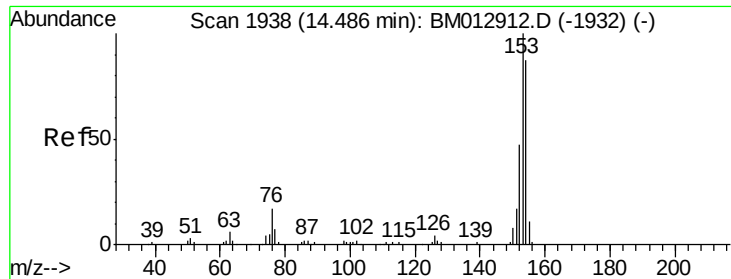


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 19.34 ng/ul

RT: 14.49 min Scan# 1938

Delta R.T. 0.00 min

Lab File: BM012928.D

Acq: 12 Nov 2017 06:37

Instrument :

BNA_M

ClientSampleId :

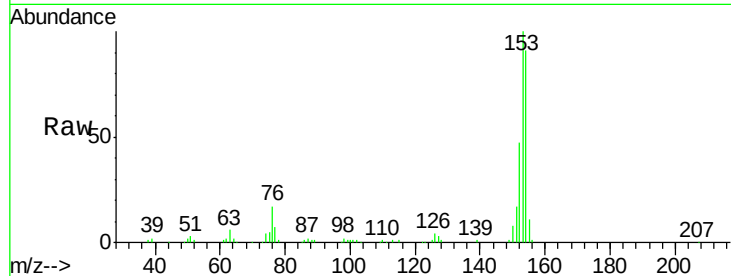
Tot Ion:153 Resp: 211588

Ion Ratio Lower Upper

153 100

152 46.6 39.0 58.6

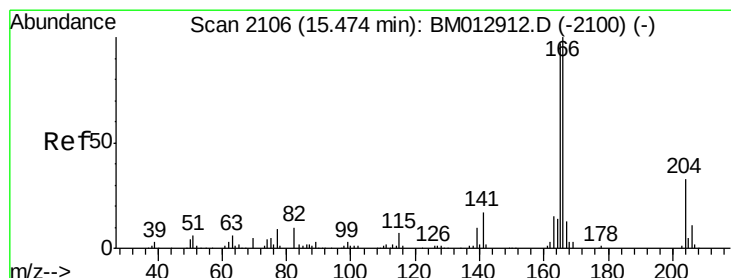
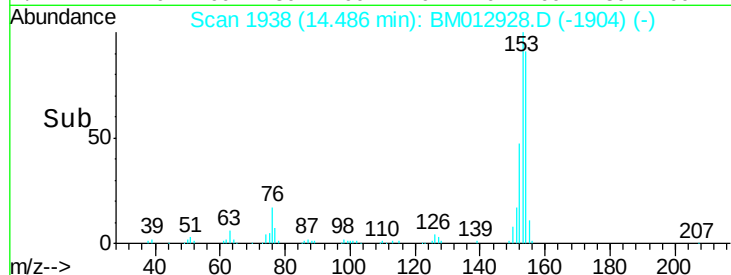
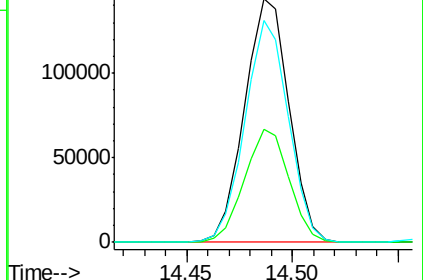
154 91.2 66.8 100.2



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



#11

Fluorene

Concen: 19.31 ng/ul

RT: 15.47 min Scan# 2106

Delta R.T. 0.00 min

Lab File: BM012928.D

Acq: 12 Nov 2017 06:37

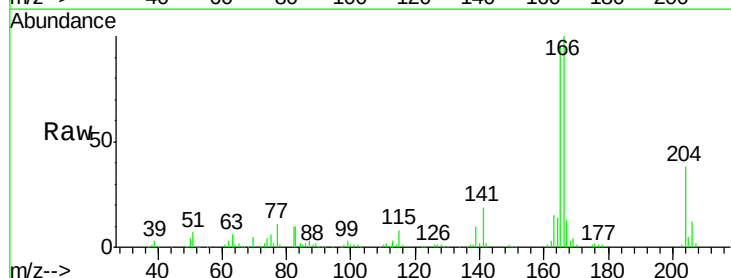
Tgt Ion:166 Resp: 252072

Ion Ratio Lower Upper

166 100

165 96.1 83.8 125.8

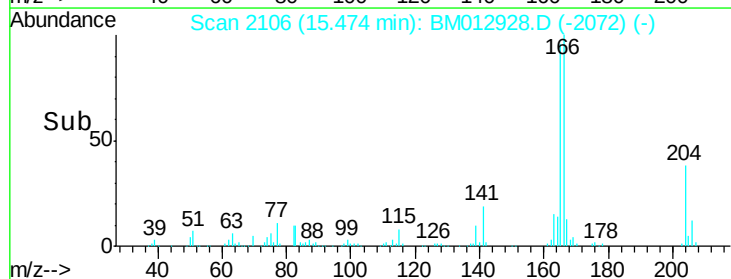
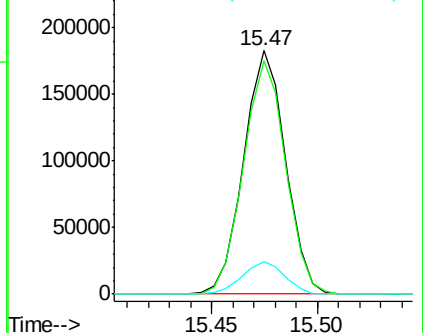
167 13.3 11.5 17.3

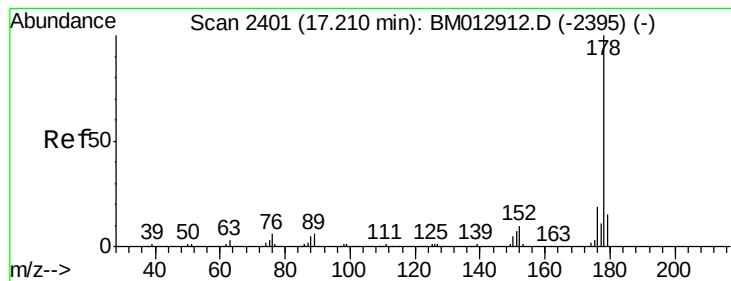


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 21.76 ng/ul

RT: 17.30 min Scan# 2417

Delta R.T. 0.09 min

Lab File: BM012928.D

Acq: 12 Nov 2017 06:37

Instrument :

BNA_M

ClientSampleId :

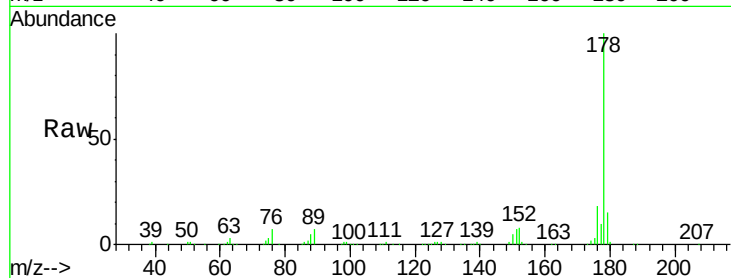
Tot Ion:178 Resp: 399708

Ion Ratio Lower Upper

178 100

179 14.9 12.3 18.5

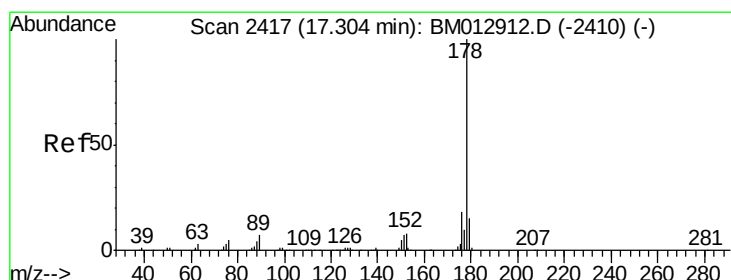
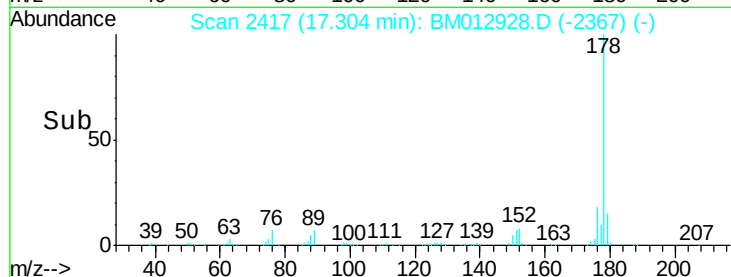
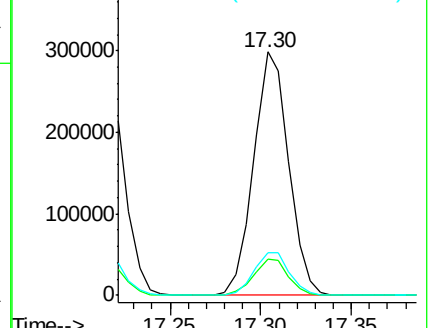
176 17.7 15.1 22.7



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



#15

Anthracene

Concen: 20.94 ng/ul

RT: 17.30 min Scan# 2417

Delta R.T. 0.00 min

Lab File: BM012928.D

Acq: 12 Nov 2017 06:37

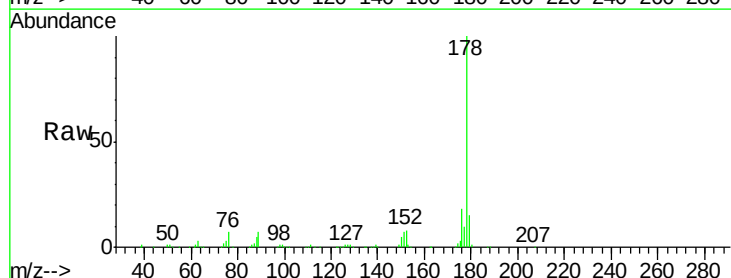
Tgt Ion:178 Resp: 399708

Ion Ratio Lower Upper

178 100

179 14.9 11.8 17.8

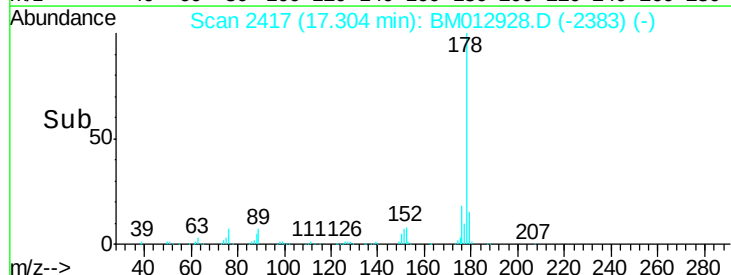
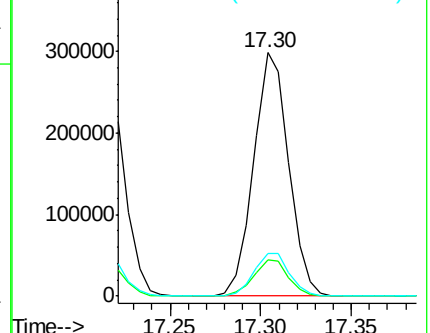
176 17.7 15.2 22.8

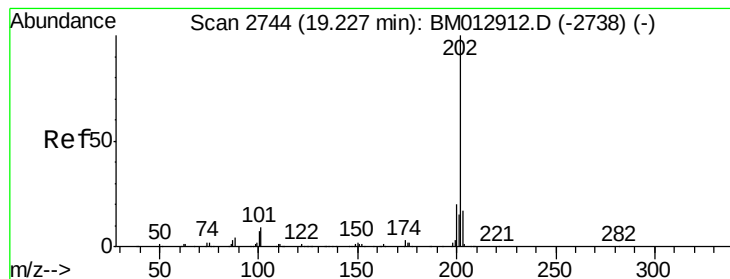


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 20.36 ng/ul

RT: 19.23 min Scan# 2745

Delta R.T. 0.01 min

Lab File: BM012928.D

Acq: 12 Nov 2017 06:37

Instrument :

BNA_M

ClientSampleId :

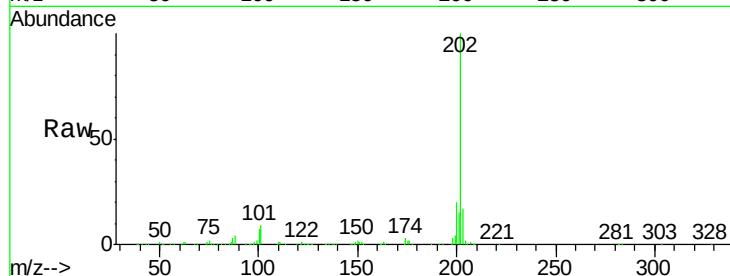
Tot Ion:202 Resp: 460010

Ion Ratio Lower Upper

202 100

101 8.7 9.9 14.9#

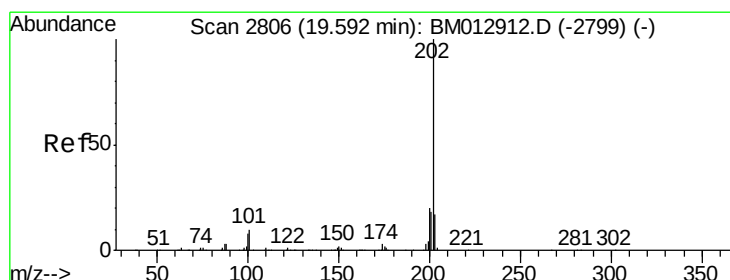
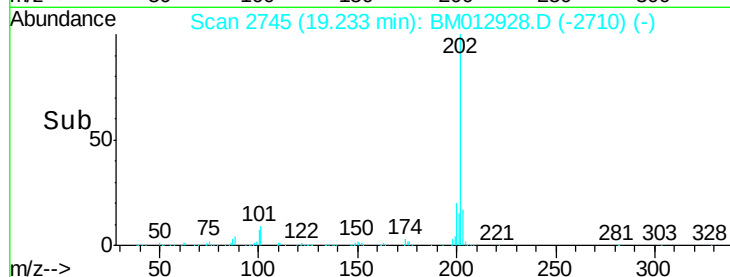
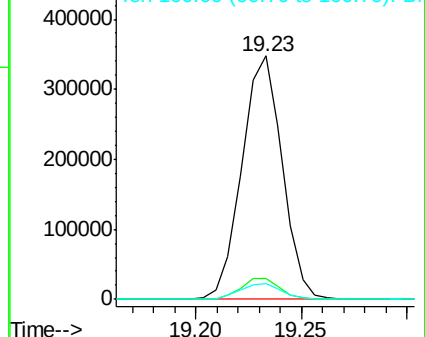
100 6.5 7.4 11.0#



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: 9720.23 ng/ul

RT: 19.59 min Scan# 2806

Delta R.T. 0.00 min

Lab File: BM012928.D

Acq: 12 Nov 2017 06:37

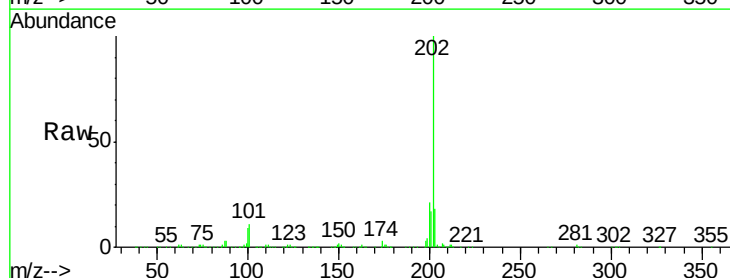
Tgt Ion:202 Resp: 471487

Ion Ratio Lower Upper

202 100

101 10.7 11.0 16.4#

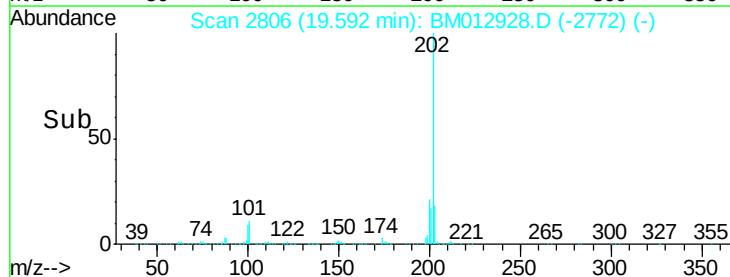
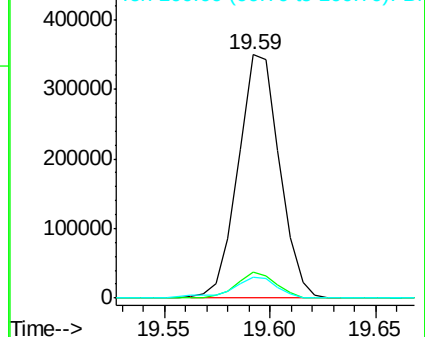
100 8.6 8.1 12.1

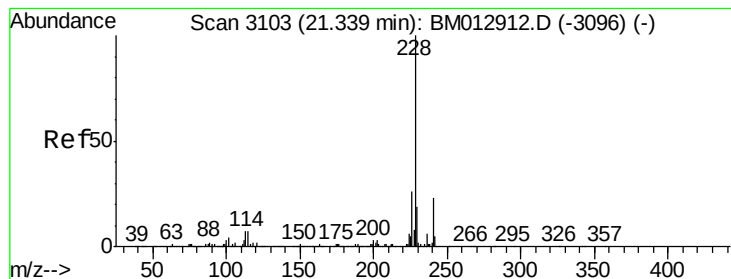


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 8508.81 ng/ul

RT: 21.39 min Scan# 3112

Delta R.T. 0.05 min

Lab File: BM012928.D

Acq: 12 Nov 2017 06:37

Instrument :

BNA_M

ClientSampleId :

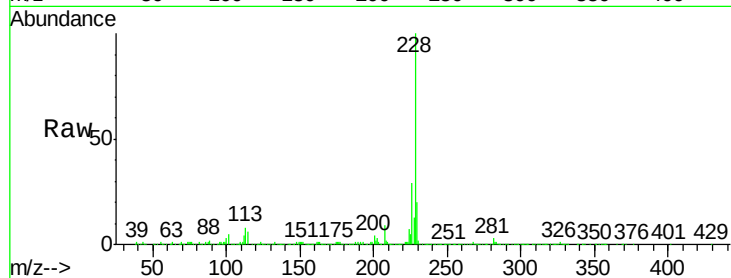
Tot Ion:228 Resp: 442406

Ion Ratio Lower Upper

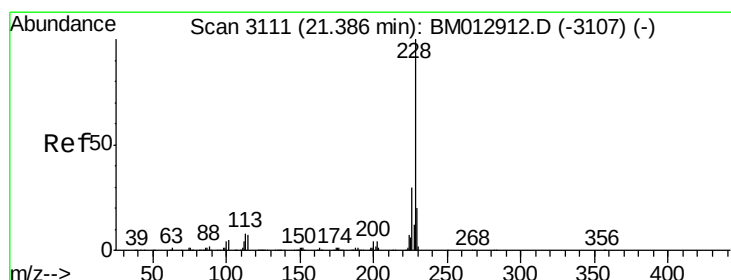
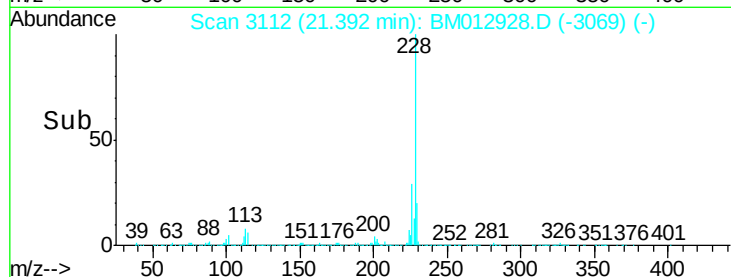
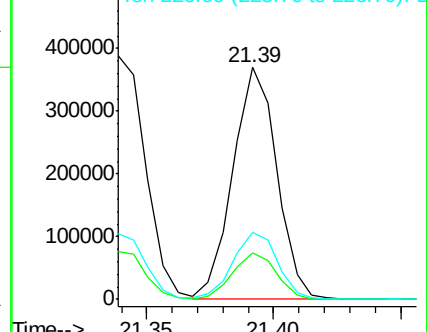
228 100

229 19.8 15.7 23.5

226 29.0 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: 9513.69 ng/ul

RT: 21.39 min Scan# 3112

Delta R.T. 0.01 min

Lab File: BM012928.D

Acq: 12 Nov 2017 06:37

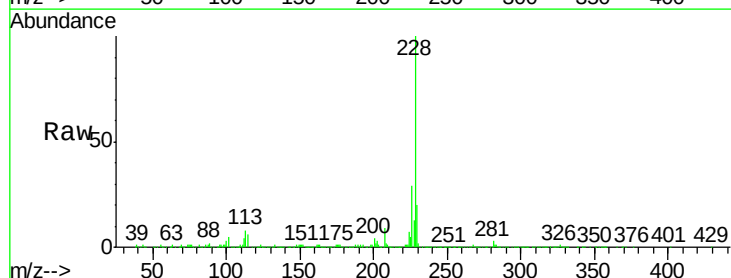
Tgt Ion:228 Resp: 442050

Ion Ratio Lower Upper

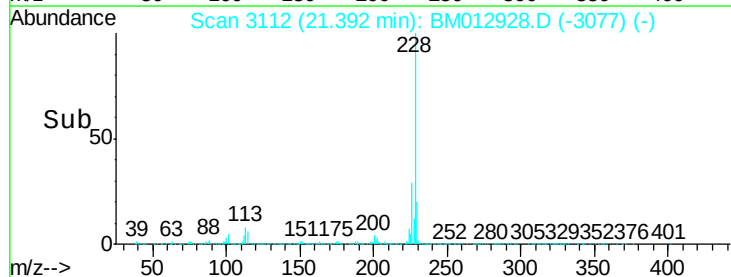
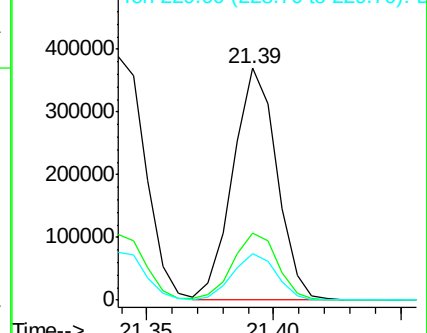
228 100

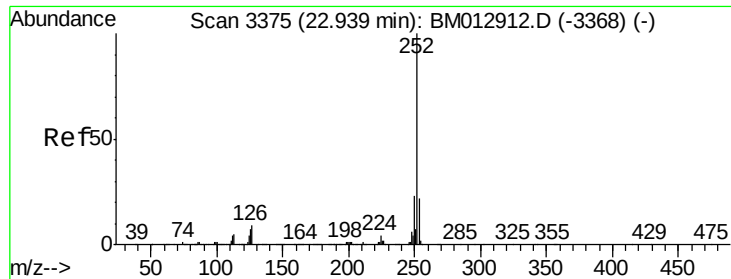
226 29.0 24.5 36.7

229 19.8 15.8 23.8



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





#23

Benzo(b)fluoranthene

Concen: 19.06 ng/ul

RT: 22.95 min Scan# 3377

Delta R.T. 0.01 min

Lab File: BM012928.D

Acq: 12 Nov 2017 06:37

Instrument :

BNA_M

ClientSampleId :

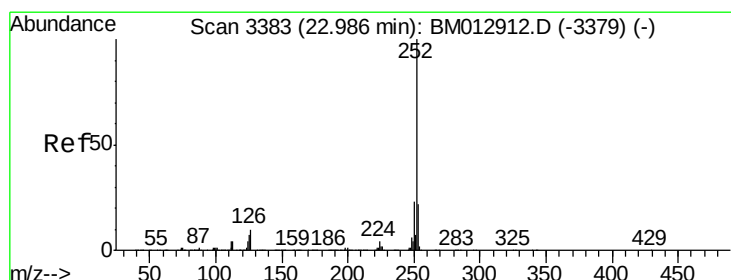
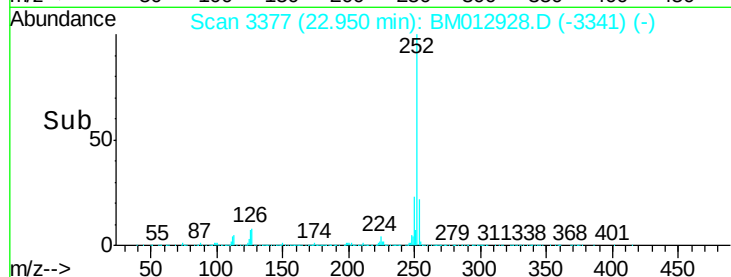
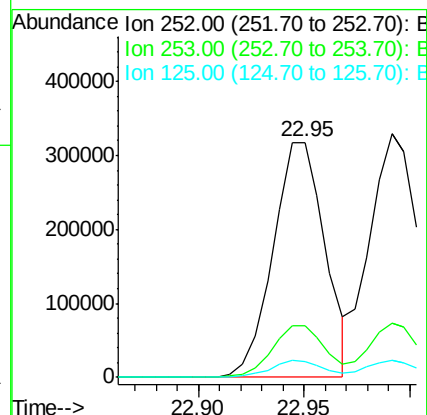
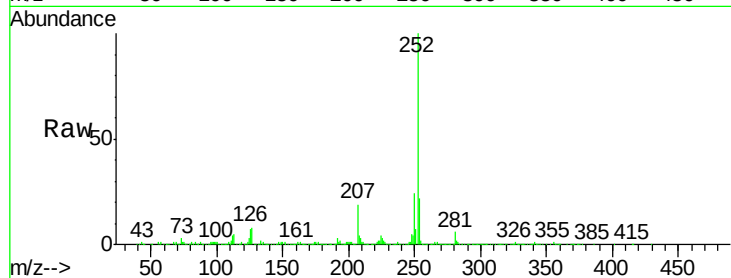
Tot Ion:252 Resp: 542289

Ion Ratio Lower Upper

252 100

253 22.1 18.0 27.0

125 7.0 8.0 12.0#



#24

Benzo(k)fluoranthene

Concen: 19.34 ng/ul

RT: 22.99 min Scan# 3384

Delta R.T. 0.01 min

Lab File: BM012928.D

Acq: 12 Nov 2017 06:37

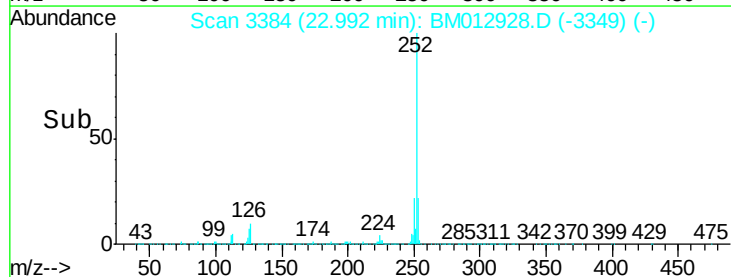
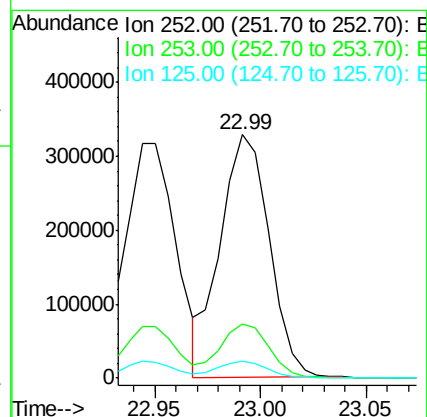
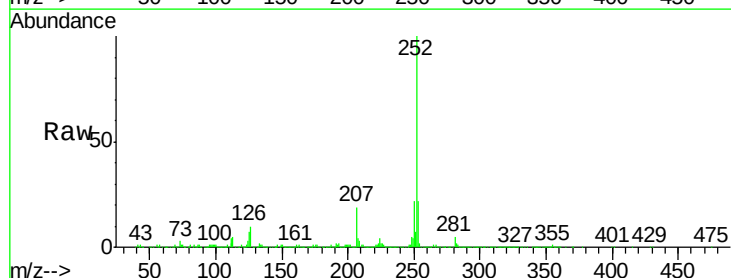
Tgt Ion:252 Resp: 525795

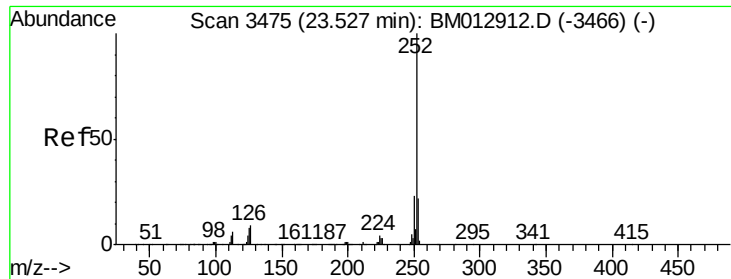
Ion Ratio Lower Upper

252 100

253 22.1 18.0 27.0

125 7.2 8.1 12.1#





#26

Benzo(a)pyrene

Concen: 19.13 ng/ul

RT: 23.53 min Scan# 3476

Delta R.T. 0.01 min

Lab File: BM012928.D

Acq: 12 Nov 2017 06:37

Instrument :

BNA_M

ClientSampleId :

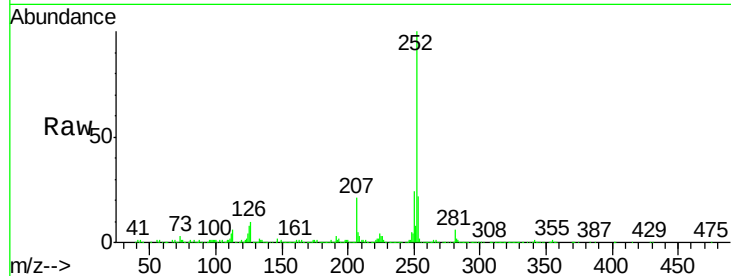
Tot Ion:252 Resp: 527865

Ion Ratio Lower Upper

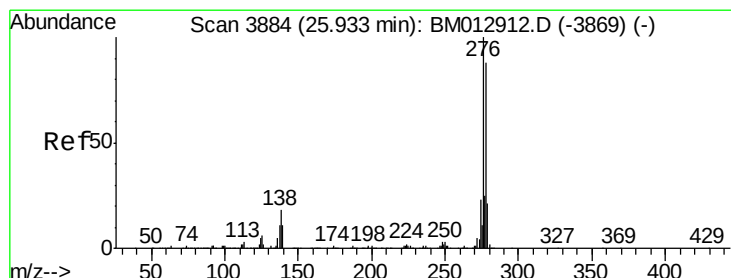
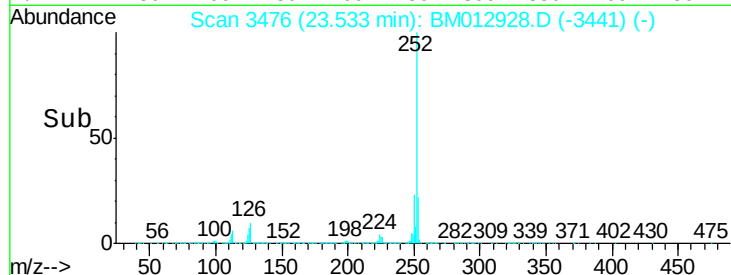
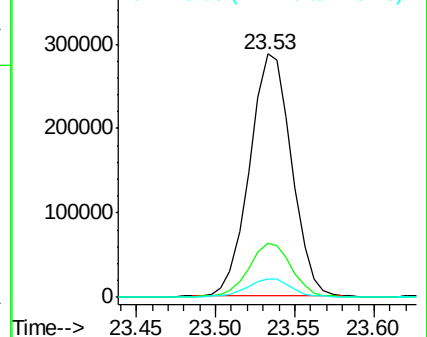
252 100

253 22.1 17.2 25.8

125 7.7 8.2 12.4#



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: 19.18 ng/ul

RT: 25.94 min Scan# 3886

Delta R.T. 0.01 min

Lab File: BM012928.D

Acq: 12 Nov 2017 06:37

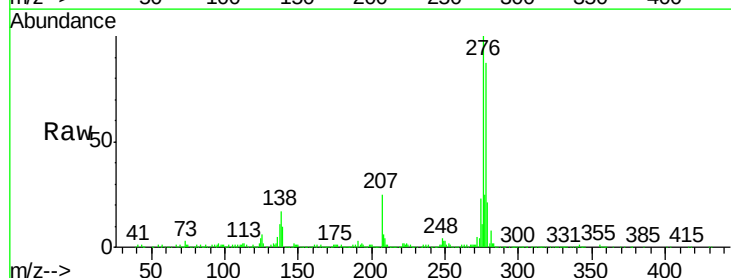
Tgt Ion:276 Resp: 682674

Ion Ratio Lower Upper

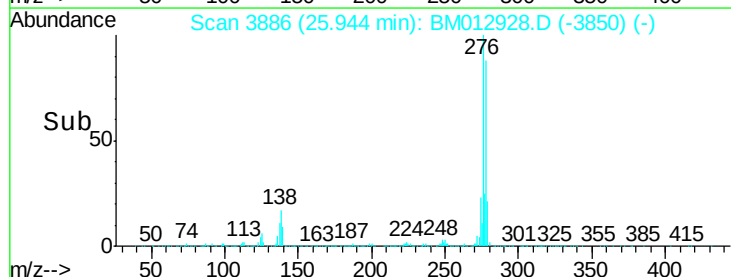
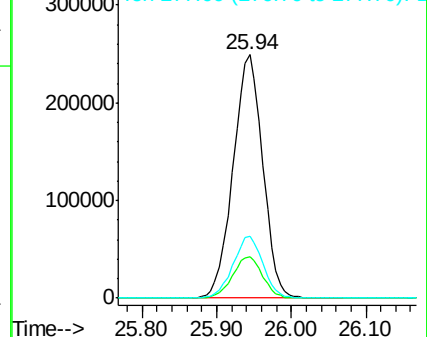
276 100

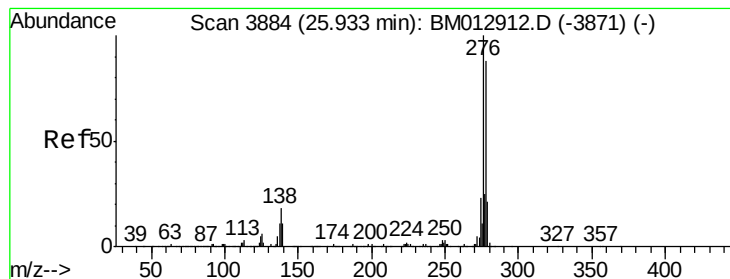
138 17.0 14.4 21.6

277 25.4 18.0 27.0



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: 19.28 ng/ul

RT: 25.94 min Scan# 3886

Delta R.T. 0.01 min

Lab File: BM012928.D

Acq: 12 Nov 2017 06:37

Instrument :

BNA_M

ClientSampleId :

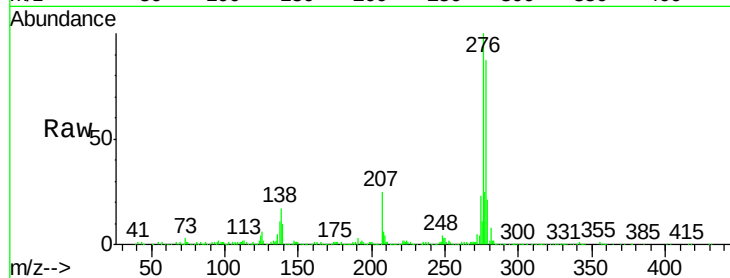
Tot Ion:278 Resp: 576564

Ion Ratio Lower Upper

278 100

139 10.9 12.2 18.4#

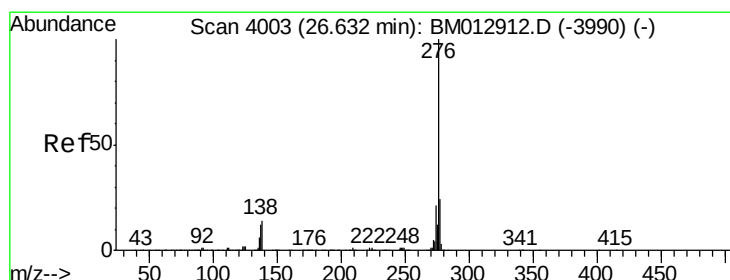
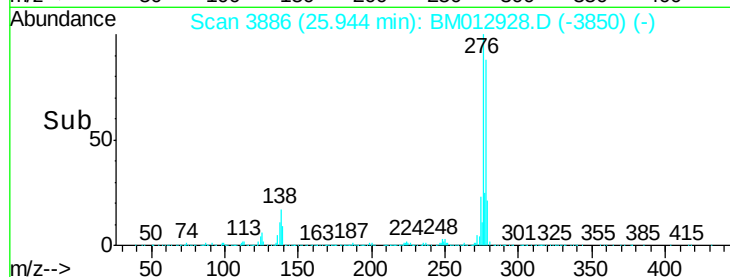
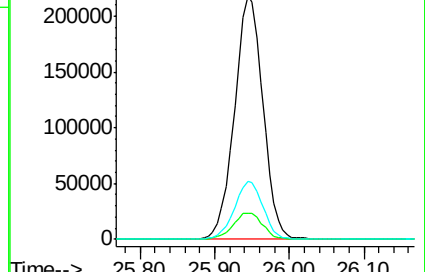
279 23.7 19.2 28.8



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



#29

Benzo(g,h,i)perylene

Concen: 19.28 ng/ul

RT: 26.65 min Scan# 4006

Delta R.T. 0.02 min

Lab File: BM012928.D

Acq: 12 Nov 2017 06:37

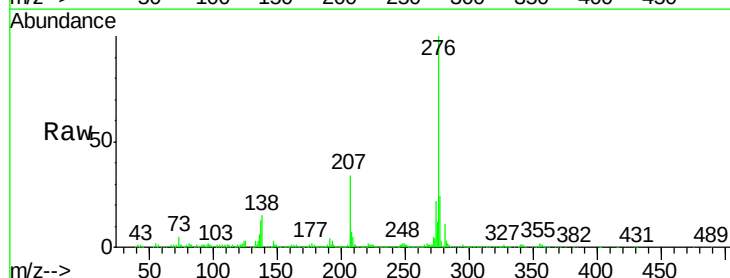
Tgt Ion:276 Resp: 572736

Ion Ratio Lower Upper

276 100

138 14.6 15.3 22.9#

277 23.7 19.0 28.4



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

