

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
 Data File : BM012886.D
 Acq On : 11 Nov 2017 05:09
 Operator : SJ/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Nov 13 00:29:46 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Nov 10 22:45:25 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	65200	20.00	ng/ul	0.00
2) Naphthalene-d8	10.57	136	248860	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.43	164	147905	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.17	188	345036	20.00	ng/ul	0.00
17) Chrysene-d12	21.36	240	416036	20.00	ng/ul	0.00
22) Perylene-d12	23.63	264	451621	20.00	ng/ul	0.00

System Monitoring Compounds						
7) Acenaphthylene-d8	14.12	160	289151	18.80	ng/ul	0.00
10) Fluorene-d10	15.42	176	200304	19.04	ng/ul	0.00
14) Anthracene-d10	17.27	188	316085	18.95	ng/ul	0.00
18) Pyrene-d10	19.57	212	356610	19.16	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.49	264	404859	18.99	ng/ul	0.00

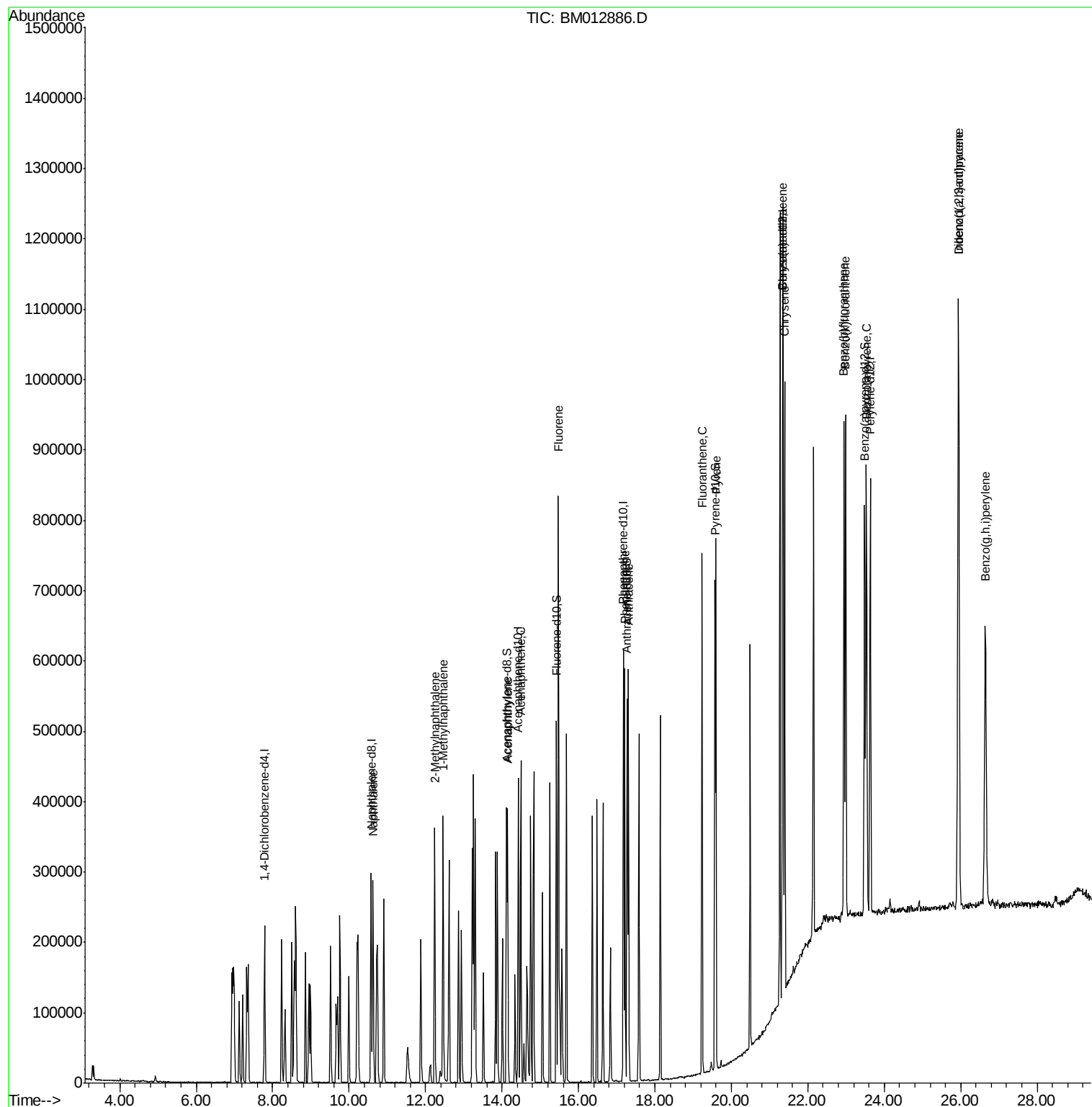
Target Compounds				Ovalue		
3) Naphthalene	10.63	128	239305	18.99	ng/ul	99
4) 2-Methylnaphthalene	12.24	142	178400	19.23	ng/ul	99
5) 1-Methylnaphthalene	12.46	142	172106	18.93	ng/ul#	93
8) Acenaphthylene	14.15	152	286468	19.14	ng/ul	99
9) Acenaphthene	14.49	153	192350	19.19	ng/ul	95
11) Fluorene	15.47	166	231940	19.39	ng/ul	92
13) Phenanthrene	17.22	178	366471	19.23	ng/ul	99
15) Anthracene	17.31	178	377728	19.08	ng/ul	99
16) Fluoranthene	19.23	202	444229	18.95	ng/ul#	91
19) Pyrene	19.60	202	463151	19.39	ng/ul#	93
20) Benzo(a)anthracene	21.34	228	484185	18.91	ng/ul	100
21) Chrysene	21.39	228	436109	19.06	ng/ul	98
23) Benzo(b)fluoranthene	22.94	252	516406	19.23	ng/ul#	97
24) Benzo(k)fluoranthene	22.99	252	501275	19.53	ng/ul#	96
26) Benzo(a)pyrene	23.53	252	493373	18.94	ng/ul#	97
27) Indeno(1,2,3-cd)pyrene	25.94	276	628379	18.70	ng/ul	97
28) Dibenzo(a,h)anthracene	25.94	278	530118	18.77	ng/ul#	96
29) Benzo(g,h,i)perylene	26.64	276	522158	18.62	ng/ul#	95

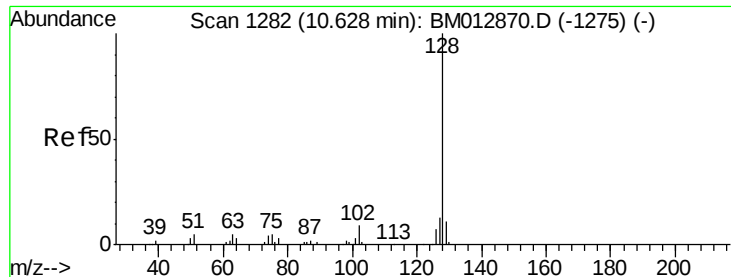
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 18.99 ng/ul

RT: 10.63 min Scan# 1282

Delta R.T. -0.00 min

Lab File: BM012886.D

Acq: 11 Nov 2017 05:09

Instrument :

BNA_M

ClientSampleId :

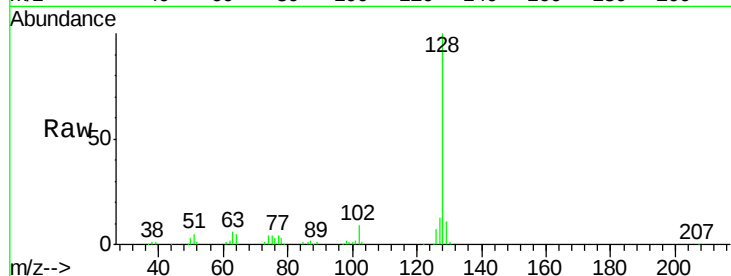
Tot Ion:128 Resp: 239305

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

127 12.8 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

150000

100000

50000

0

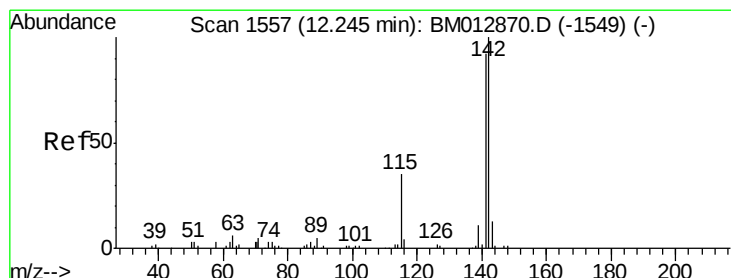
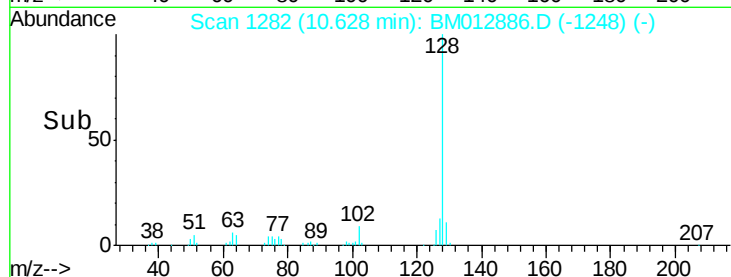
10.55

10.60

10.63

10.65

Time-->



#4

2-Methylnaphthalene

Concen: 19.23 ng/ul

RT: 12.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BM012886.D

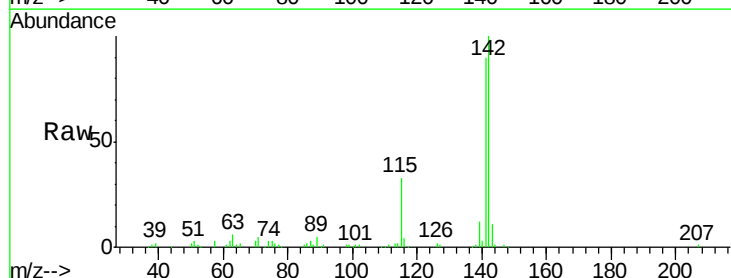
Acq: 11 Nov 2017 05:09

Tgt Ion:142 Resp: 178400

Ion Ratio Lower Upper

142 100

141 89.9 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

120000

100000

80000

60000

40000

20000

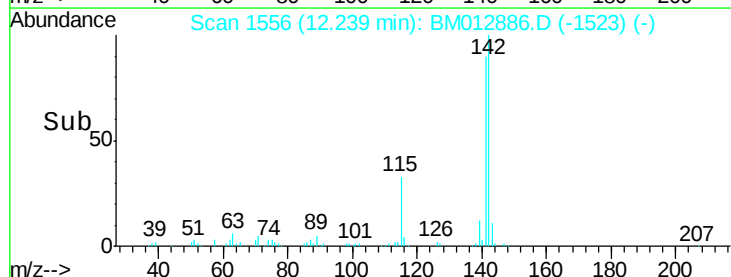
0

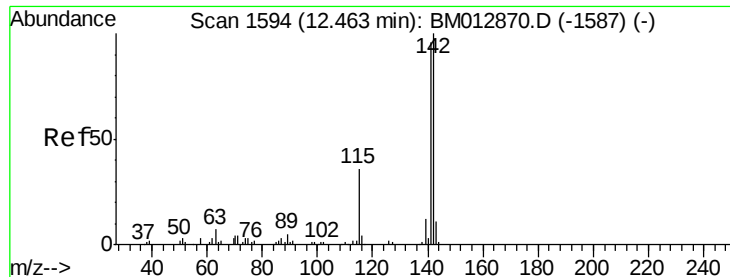
12.20

12.24

12.30

Time-->





#5

1-Methylnaphthalene

Concen: 18.93 ng/ul

RT: 12.46 min Scan# 1594

Delta R.T. -0.00 min

Lab File: BM012886.D

Acq: 11 Nov 2017 05:09

Instrument :

BNA_M

ClientSampleId :

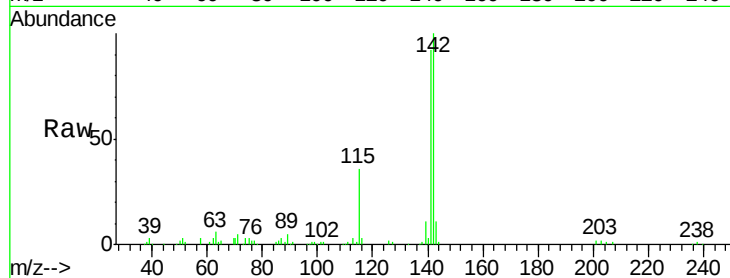
Tot Ion:142 Resp: 172106

Ion Ratio Lower Upper

142 100

141 92.3 79.3 118.9

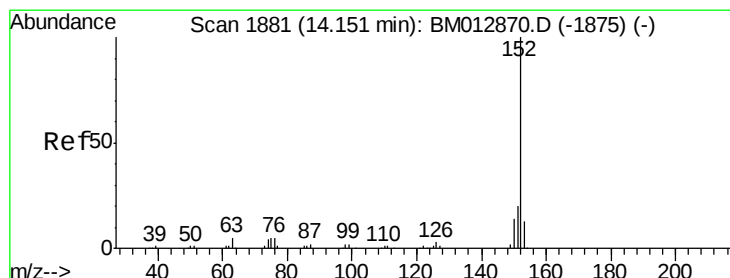
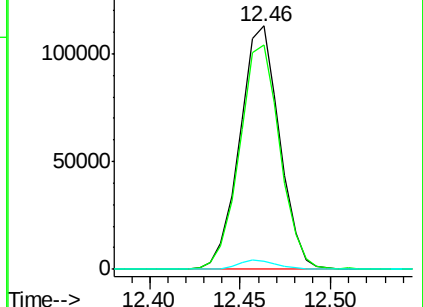
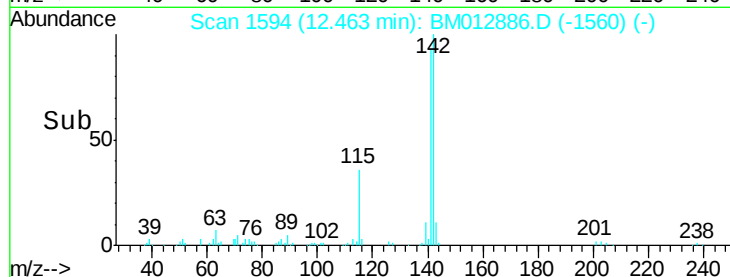
116 3.4 4.2 6.2#



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: 19.14 ng/ul

RT: 14.15 min Scan# 1881

Delta R.T. -0.00 min

Lab File: BM012886.D

Acq: 11 Nov 2017 05:09

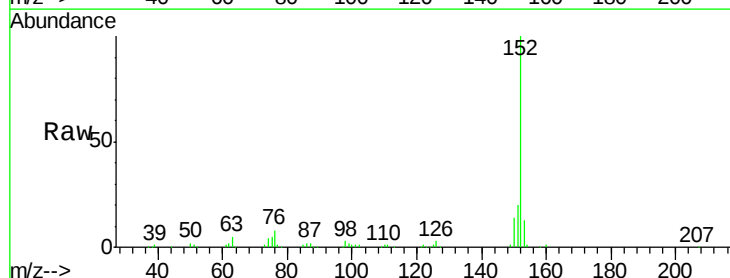
Tgt Ion:152 Resp: 286468

Ion Ratio Lower Upper

152 100

151 20.1 16.7 25.1

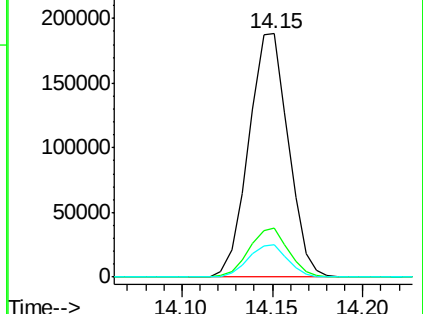
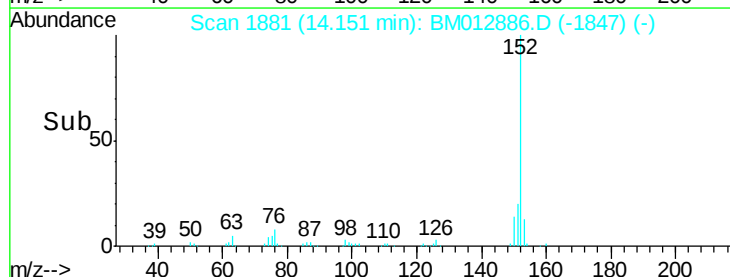
153 13.1 10.2 15.4

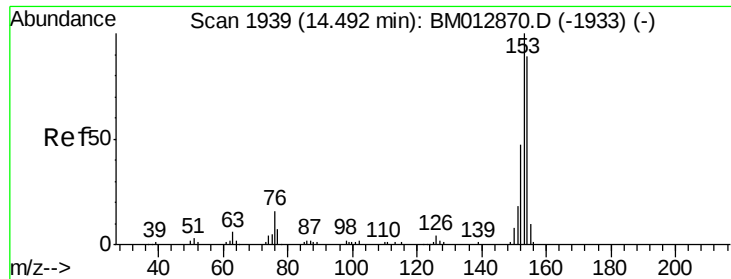


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 19.19 ng/ul

RT: 14.49 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BM012886.D

Acq: 11 Nov 2017 05:09

Instrument :

BNA_M

ClientSampleId :

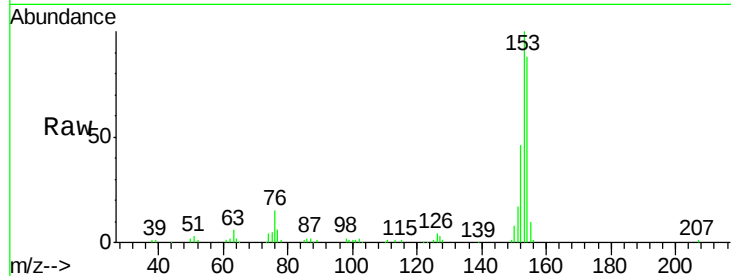
Tot Ion:153 Resp: 192350

Ion Ratio Lower Upper

153 100

152 45.9 39.0 58.6

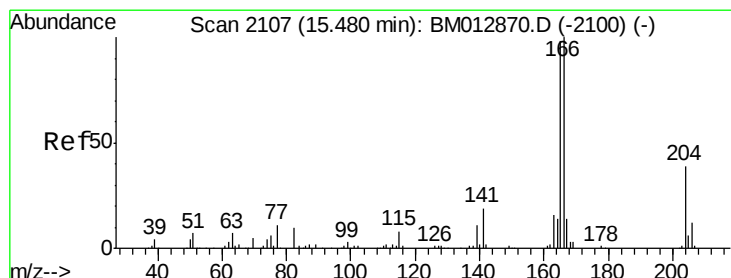
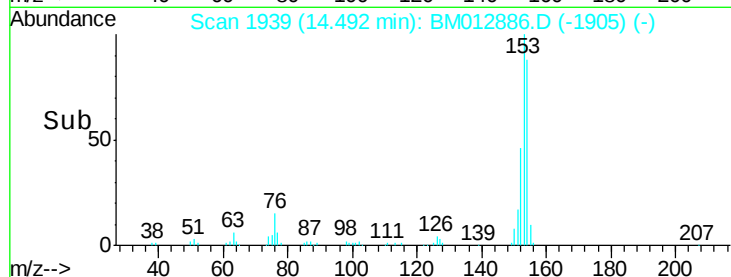
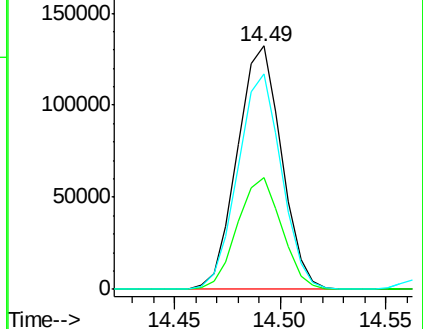
154 88.4 66.8 100.2



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: 19.39 ng/ul

RT: 15.47 min Scan# 2106

Delta R.T. -0.01 min

Lab File: BM012886.D

Acq: 11 Nov 2017 05:09

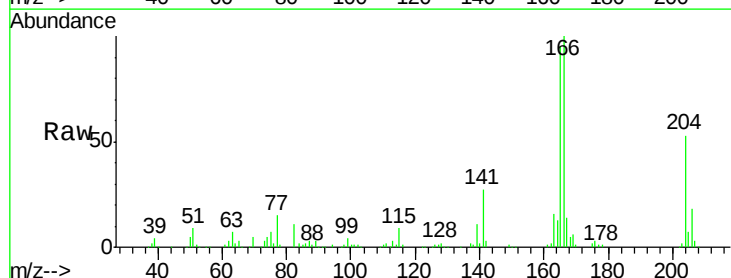
Tgt Ion:166 Resp: 231940

Ion Ratio Lower Upper

166 100

165 95.5 83.8 125.8

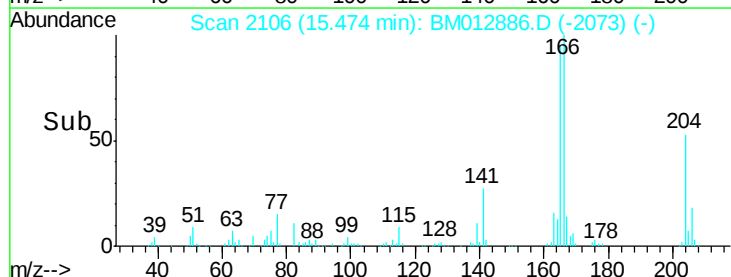
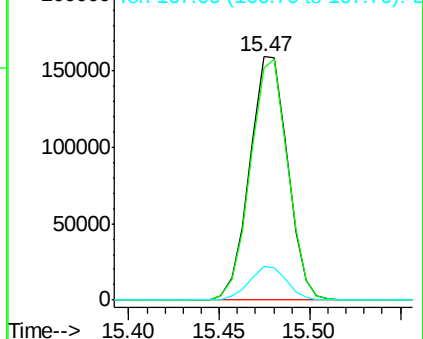
167 13.7 11.5 17.3

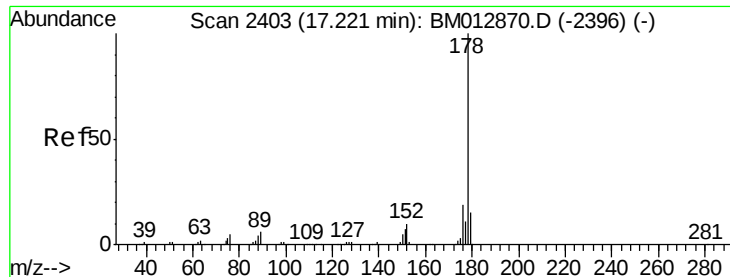


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

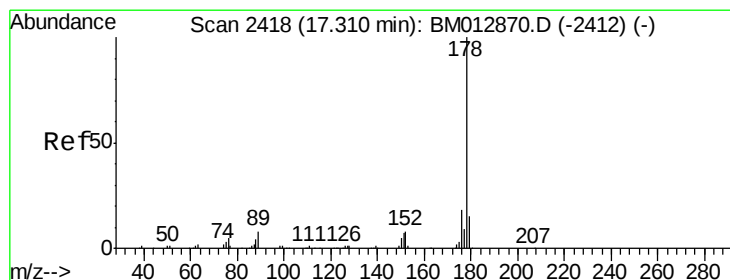
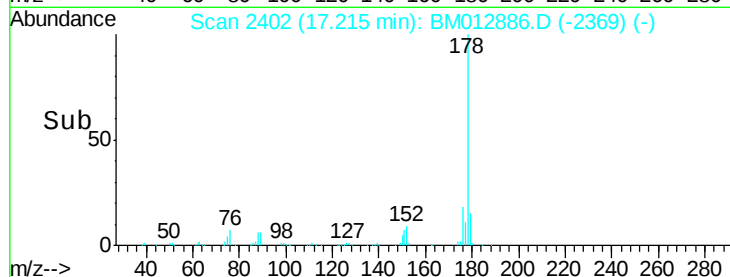
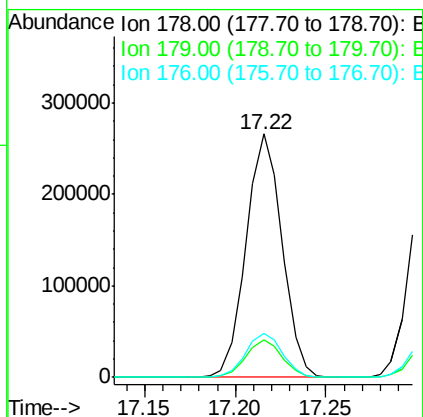
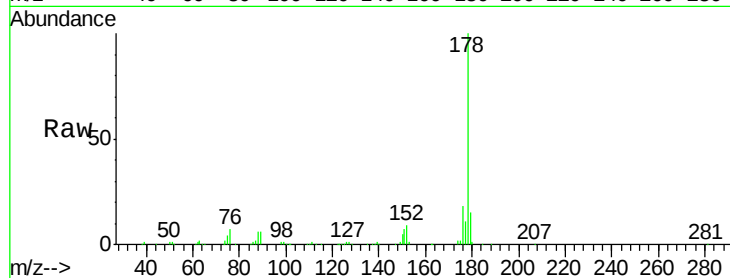




#13
Phenanthrene
Concen: 19.23 ng/ul
RT: 17.22 min Scan# 2402
Delta R.T. -0.01 min
Lab File: BM012886.D
Acq: 11 Nov 2017 05:09

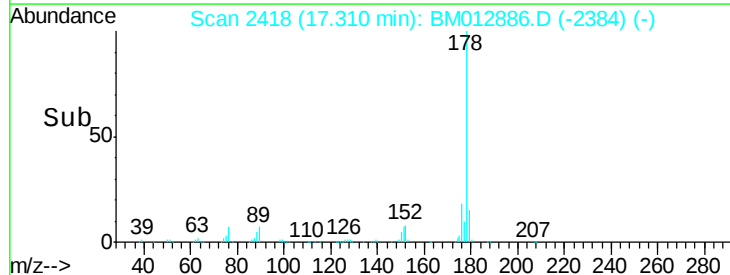
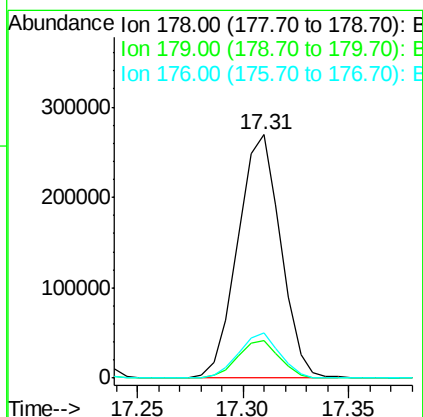
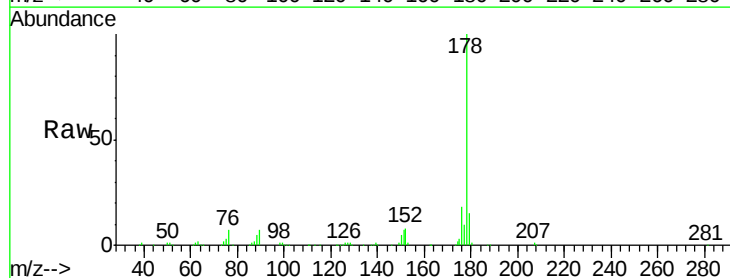
Instrument :
BNA_M
ClientSampleId :

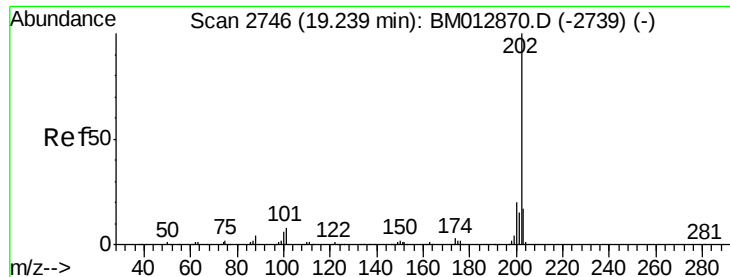
Tot Ion:178 Resp: 366471
Ion Ratio Lower Upper
178 100
179 15.4 12.3 18.5
176 18.3 15.1 22.7



#15
Anthracene
Concen: 19.08 ng/ul
RT: 17.31 min Scan# 2418
Delta R.T. -0.00 min
Lab File: BM012886.D
Acq: 11 Nov 2017 05:09

Tgt Ion:178 Resp: 377728
Ion Ratio Lower Upper
178 100
179 15.3 11.8 17.8
176 18.4 15.2 22.8

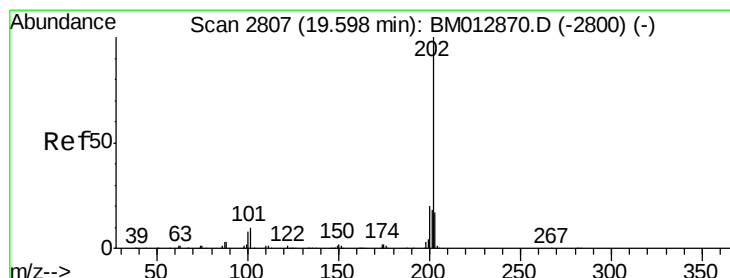
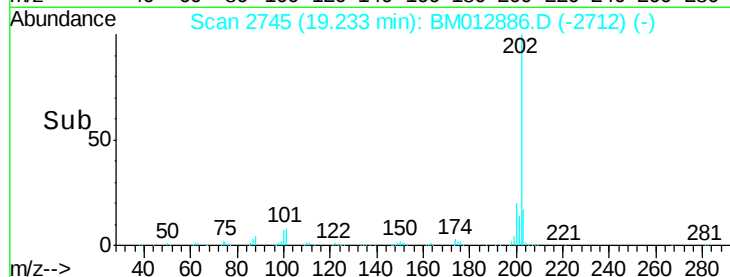
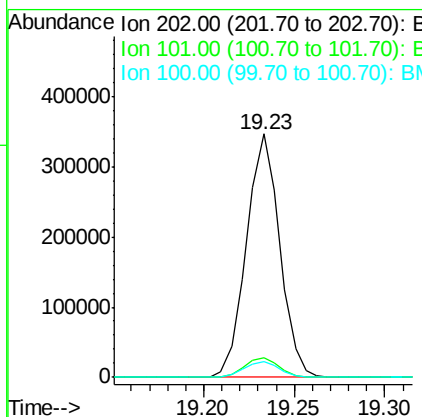
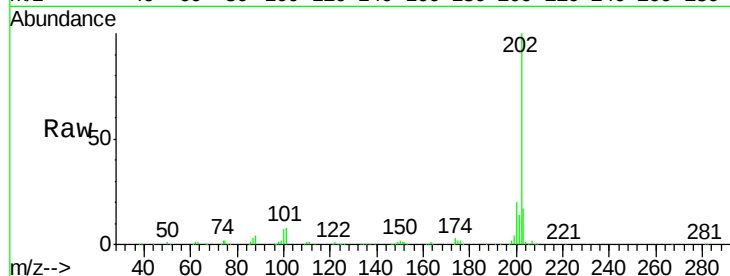




#16
 Fluoranthene
 Concen: 18.95 ng/ul
 RT: 19.23 min Scan# 2745
 Delta R.T. -0.01 min
 Lab File: BM012886.D
 Acq: 11 Nov 2017 05:09

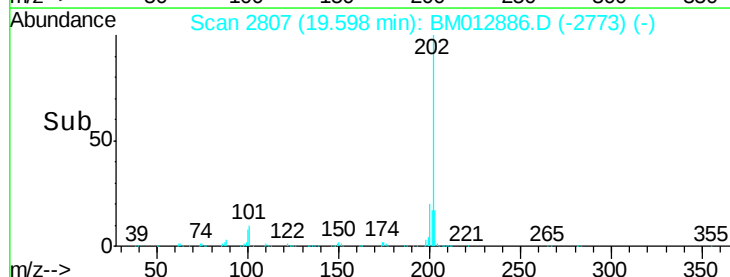
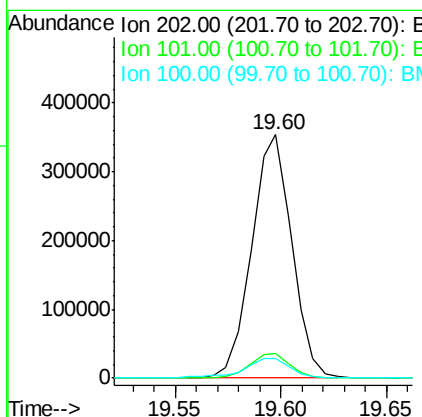
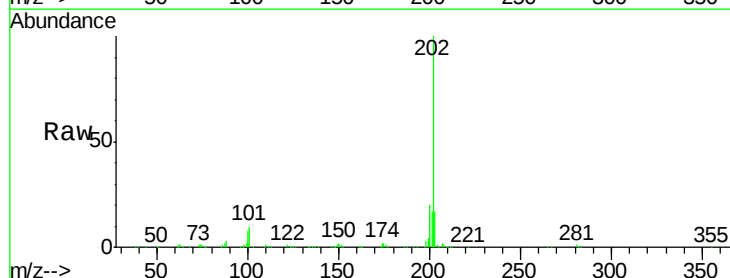
Instrument :
 BNA_M
 ClientSampleId :

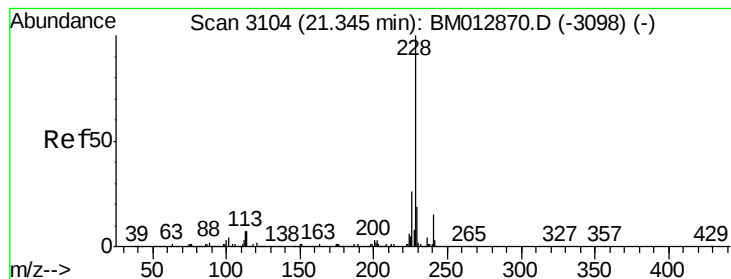
Tot Ion	Ratio	Lower	Upper
202	100		
101	8.1	9.9	14.9#
100	6.7	7.4	11.0#



#19
 Pyrene
 Concen: 19.39 ng/ul
 RT: 19.60 min Scan# 2807
 Delta R.T. -0.00 min
 Lab File: BM012886.D
 Acq: 11 Nov 2017 05:09

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.2	11.0	16.4#
100	8.0	8.1	12.1#





#20

Benzo(a)anthracene

Concen: 18.91 ng/ul

RT: 21.34 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BM012886.D

Acq: 11 Nov 2017 05:09

Instrument :

BNA_M

ClientSampleId :

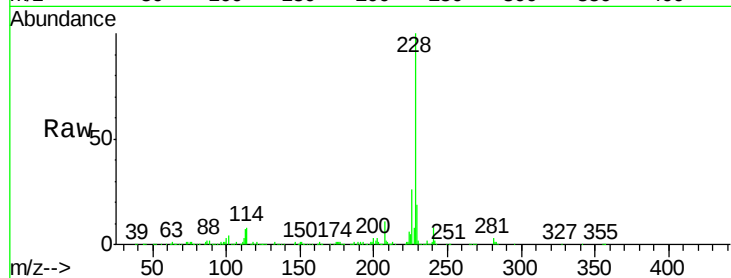
Tot Ion:228 Resp: 484185

Ion Ratio Lower Upper

228 100

229 19.4 15.7 23.5

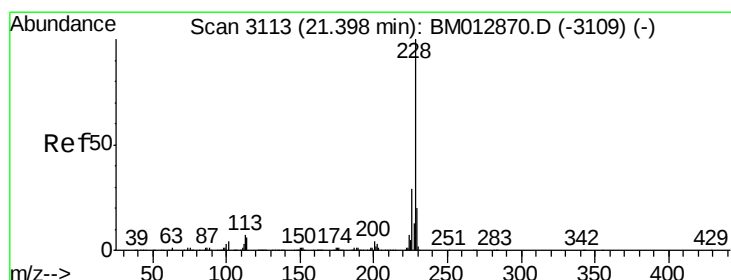
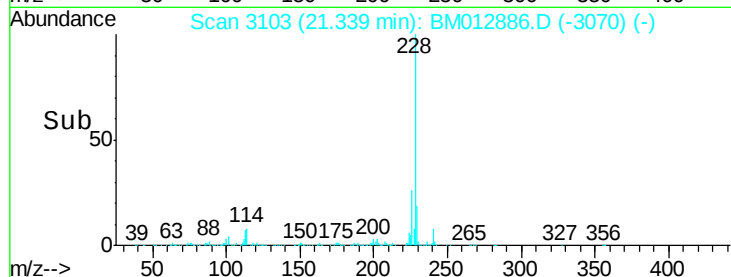
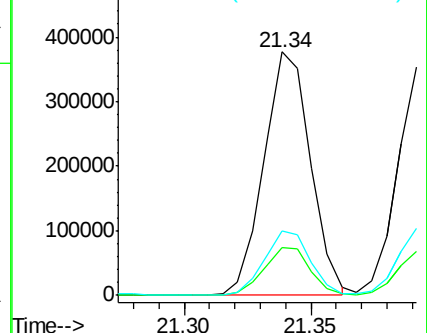
226 26.4 21.1 31.7



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: 19.06 ng/ul

RT: 21.39 min Scan# 3112

Delta R.T. -0.01 min

Lab File: BM012886.D

Acq: 11 Nov 2017 05:09

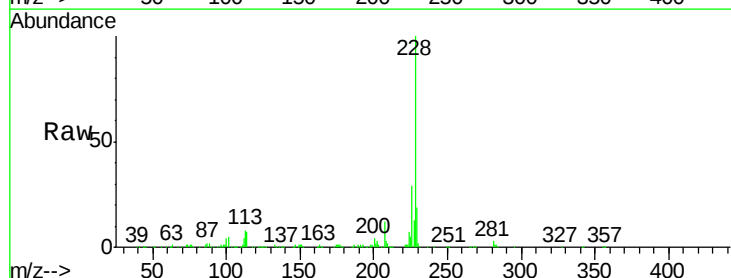
Tgt Ion:228 Resp: 436109

Ion Ratio Lower Upper

228 100

226 29.1 24.5 36.7

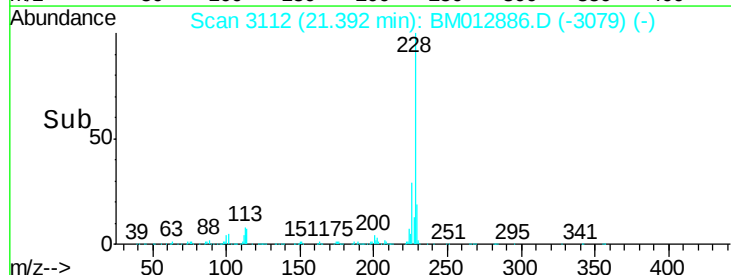
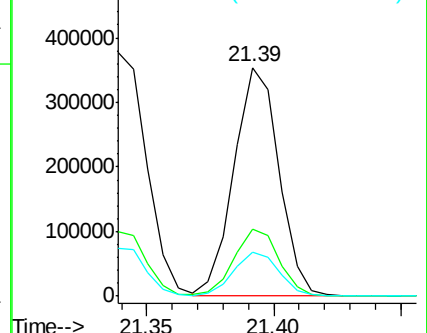
229 19.3 15.8 23.8

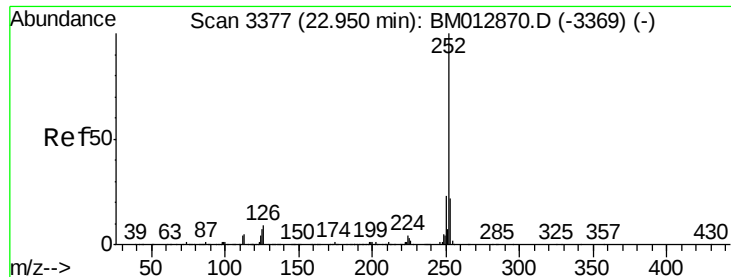


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 19.23 ng/ul

RT: 22.94 min Scan# 3376

Delta R.T. -0.01 min

Lab File: BM012886.D

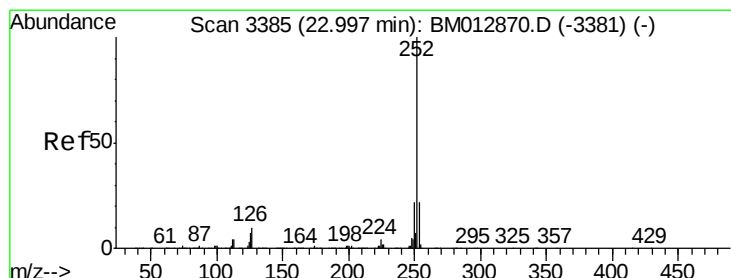
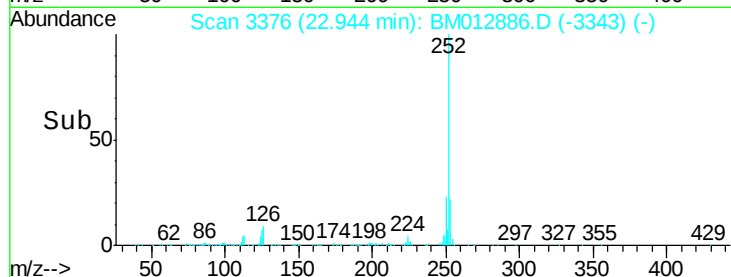
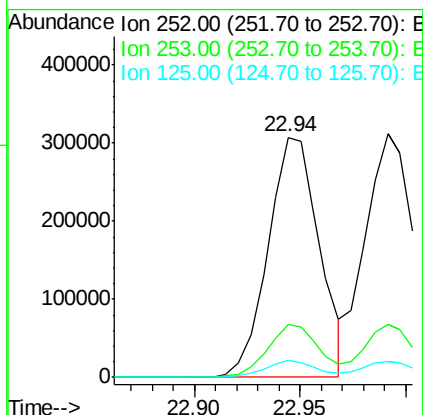
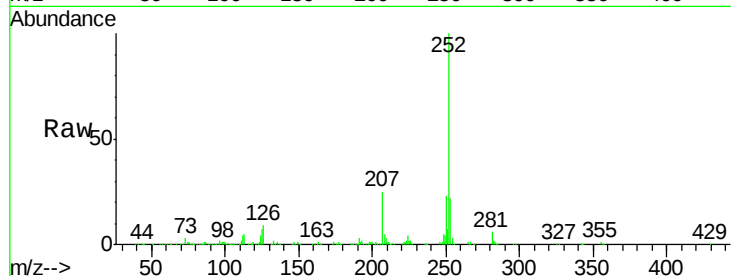
Acq: 11 Nov 2017 05:09

Instrument :

BNA_M

ClientSampleId :

Tot Ion:252	Resp:	516406
Ion Ratio	Lower	Upper
252	100	
253	21.9	18.0 27.0
125	7.3	8.0 12.0#



#24

Benzo(k)fluoranthene

Concen: 19.53 ng/ul

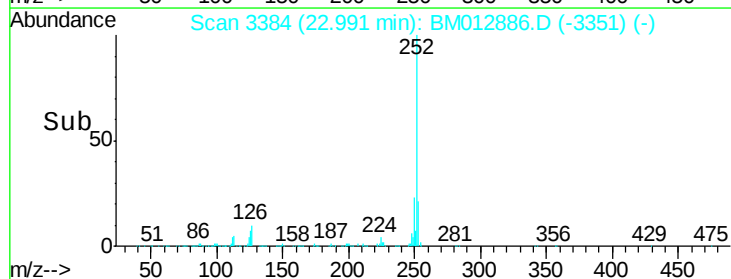
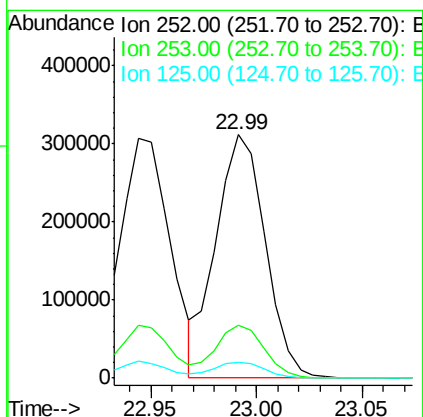
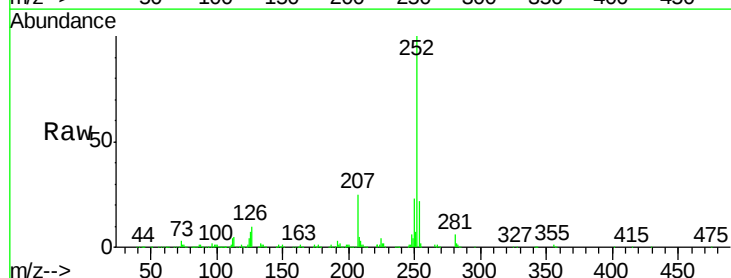
RT: 22.99 min Scan# 3384

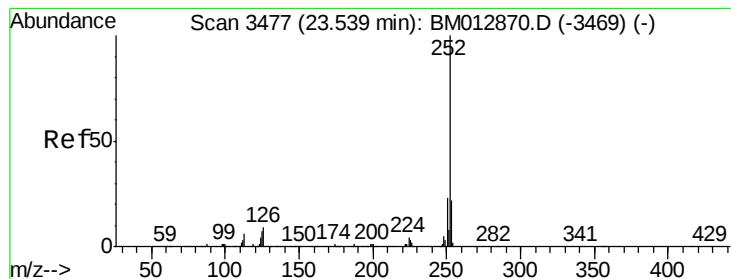
Delta R.T. -0.01 min

Lab File: BM012886.D

Acq: 11 Nov 2017 05:09

Tgt Ion:252	Resp:	501275
Ion Ratio	Lower	Upper
252	100	
253	21.6	18.0 27.0
125	6.7	8.1 12.1#





#26

Benzo(a)pyrene

Concen: 18.94 ng/ul

RT: 23.53 min Scan# 3476

Delta R.T. -0.01 min

Lab File: BM012886.D

Acq: 11 Nov 2017 05:09

Instrument :

BNA_M

ClientSampleId :

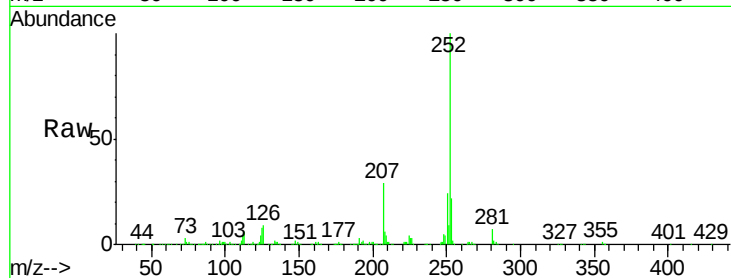
Tot Ion:252 Resp: 493373

Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

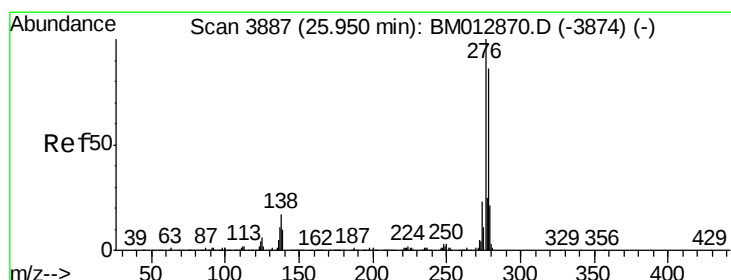
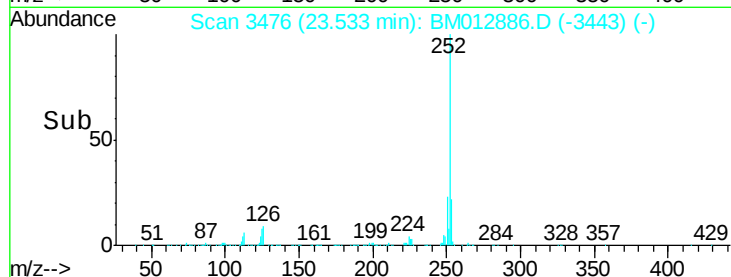
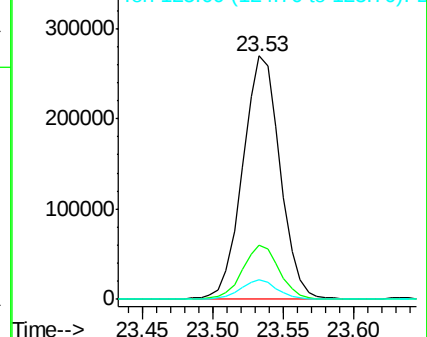
125 7.8 8.2 12.4#



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: 18.70 ng/ul

RT: 25.94 min Scan# 3885

Delta R.T. -0.01 min

Lab File: BM012886.D

Acq: 11 Nov 2017 05:09

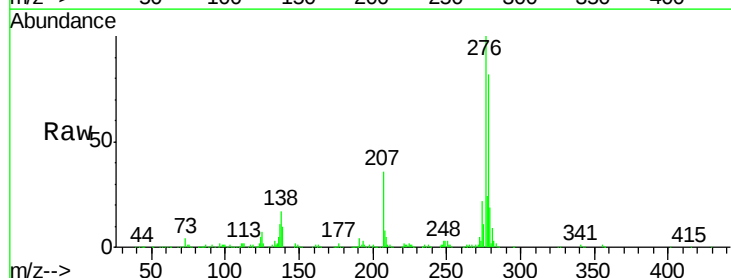
Tgt Ion:276 Resp: 628379

Ion Ratio Lower Upper

276 100

138 17.0 14.4 21.6

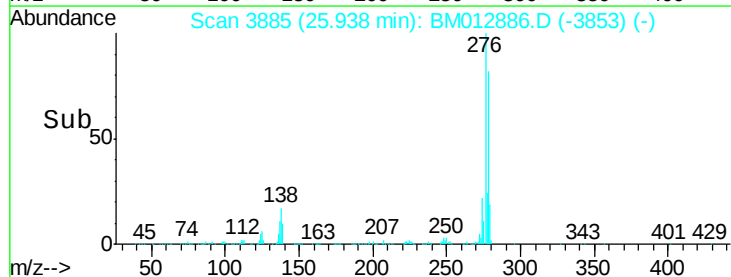
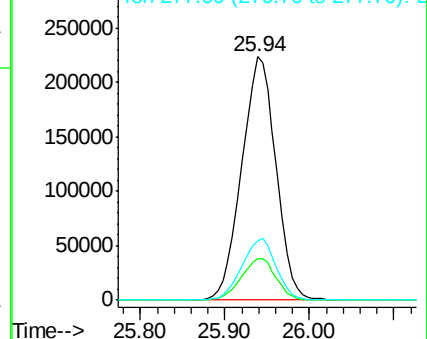
277 24.4 18.0 27.0

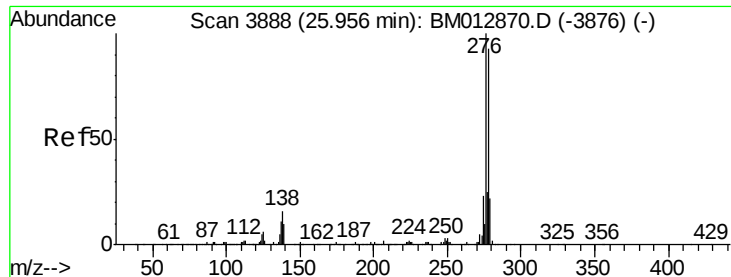


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

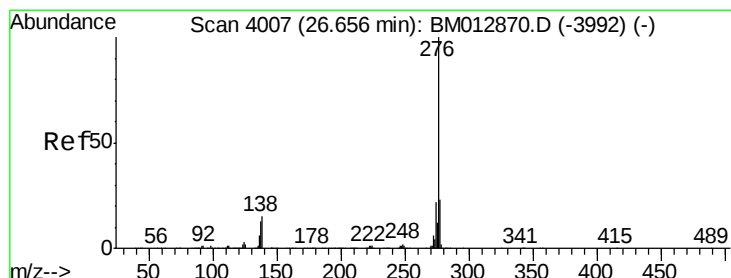
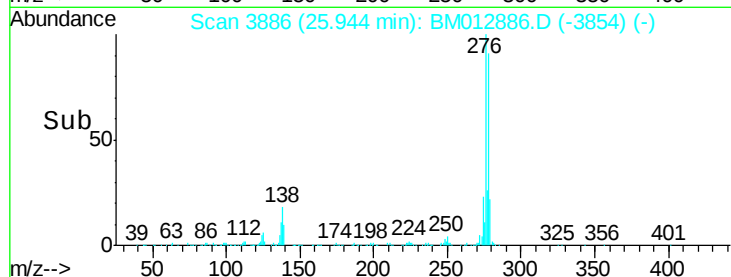
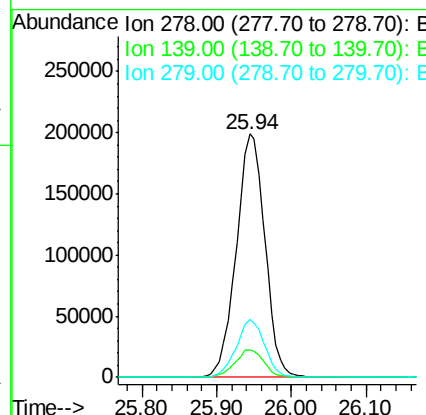
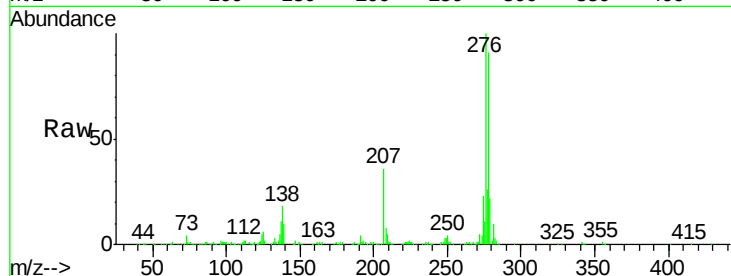




#28
Dibenzo(a,h)anthracene
Concen: 18.77 ng/ul
RT: 25.94 min Scan# 3886
Delta R.T. -0.01 min
Lab File: BM012886.D
Acq: 11 Nov 2017 05:09

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 530118
Ion Ratio Lower Upper
278 100
139 11.0 12.2 18.4#
279 23.8 19.2 28.8



#29
Benzo(g,h,i)perylene
Concen: 18.62 ng/ul
RT: 26.64 min Scan# 4005
Delta R.T. -0.01 min
Lab File: BM012886.D
Acq: 11 Nov 2017 05:09

Tgt Ion:276 Resp: 522158
Ion Ratio Lower Upper
276 100
138 14.2 15.3 22.9#
277 23.3 19.0 28.4

