

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
 Data File : BM012870.D
 Acq On : 10 Nov 2017 19:38
 Operator : SJ/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Nov 10 22:02:41 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Nov 10 14:59:43 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	61748	20.00	ng/ul	0.00
2) Naphthalene-d8	10.58	136	238670	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.43	164	146043	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.17	188	351226	20.00	ng/ul	0.00
17) Chrysene-d12	21.36	240	431456	20.00	ng/ul	0.00
22) Perylene-d12	23.64	264	478336	20.00	ng/ul	0.00

System Monitoring Compounds

7) Acenaphthylene-d8	14.12	160	289723	19.07	ng/ul	0.00
10) Fluorene-d10	15.43	176	198254	19.08	ng/ul	0.00
14) Anthracene-d10	17.27	188	319650	18.83	ng/ul	0.00
18) Pyrene-d10	19.57	212	362557	18.78	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.49	264	428621	18.98	ng/ul	0.00

Target Compounds

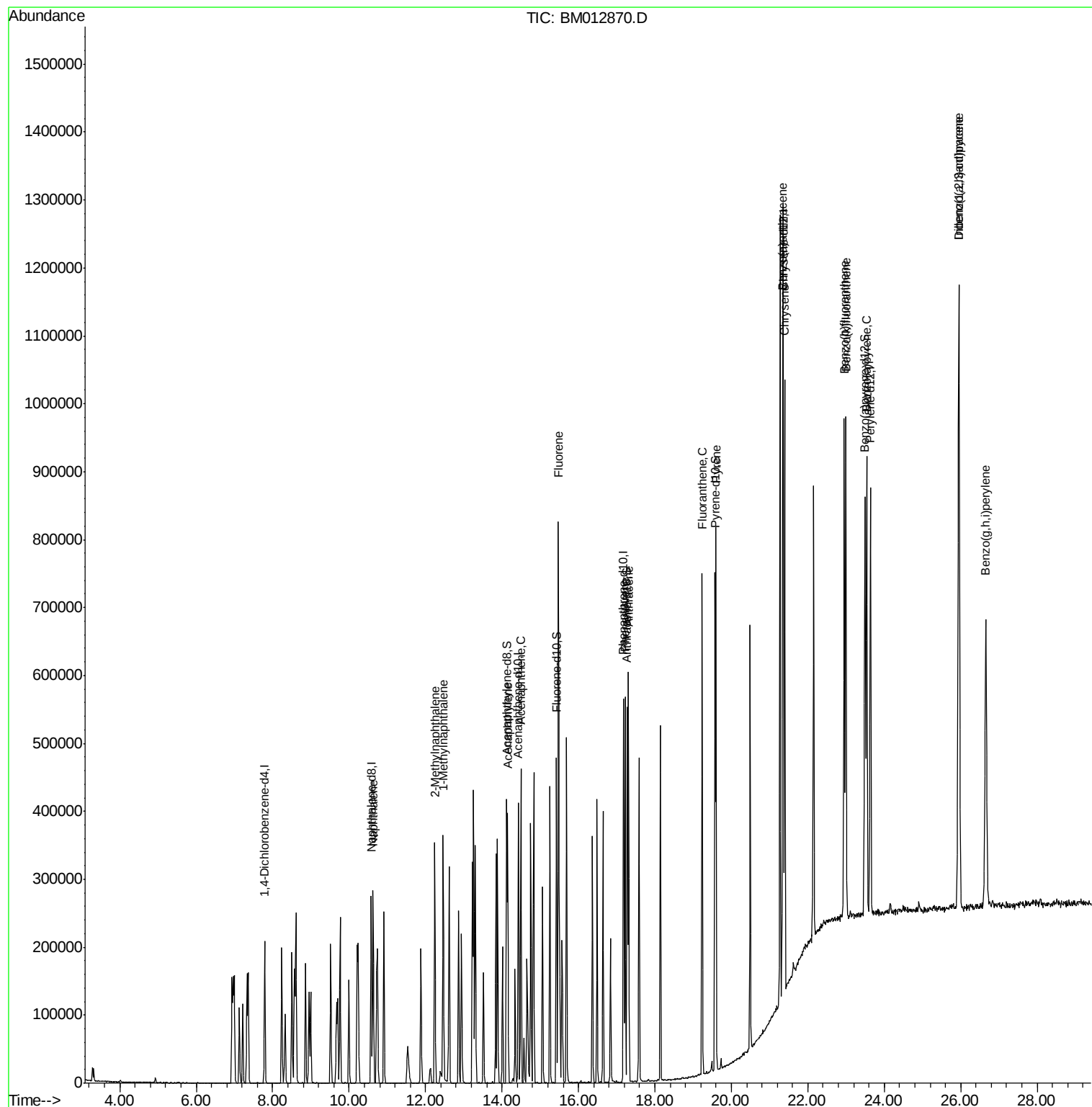
						Ovalue
3) Naphthalene	10.63	128	232300	19.22	ng/ul	100
4) 2-Methylnaphthalene	12.25	142	174297	19.59	ng/ul	99
5) 1-Methylnaphthalene	12.46	142	170117	19.51	ng/ul#	97
8) Acenaphthylene	14.15	152	282346	19.10	ng/ul	99
9) Acenaphthene	14.49	153	189788	19.17	ng/ul	95
11) Fluorene	15.48	166	230527	19.52	ng/ul	94
13) Phenanthrene	17.22	178	366545	18.89	ng/ul	99
15) Anthracene	17.31	178	382315	18.97	ng/ul	98
16) Fluoranthene	19.24	202	454847	19.06	ng/ul#	90
19) Pyrene	19.60	202	475987	19.22	ng/ul#	92
20) Benzo(a)anthracene	21.34	228	501719	18.90	ng/ul	100
21) Chrysene	21.40	228	450786	19.00	ng/ul	98
23) Benzo(b)fluoranthene	22.95	252	545573	19.18	ng/ul#	97
24) Benzo(k)fluoranthene	23.00	252	518375	19.07	ng/ul#	97
26) Benzo(a)pyrene	23.54	252	519482	18.83	ng/ul#	96
27) Indeno(1,2,3-cd)pyrene	25.95	276	660078	18.55	ng/ul	97
28) Dibenzo(a,h)anthracene	25.96	278	555908	18.58	ng/ul#	95
29) Benzo(g,h,i)perylene	26.66	276	544869	18.34	ng/ul#	95

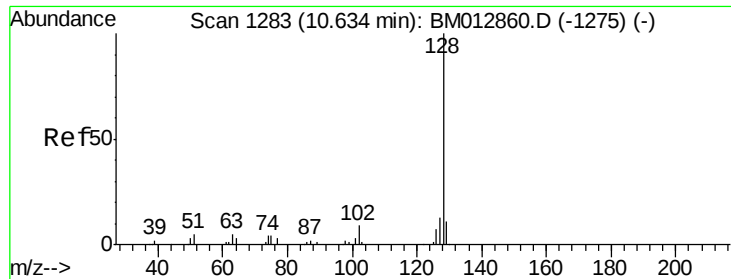
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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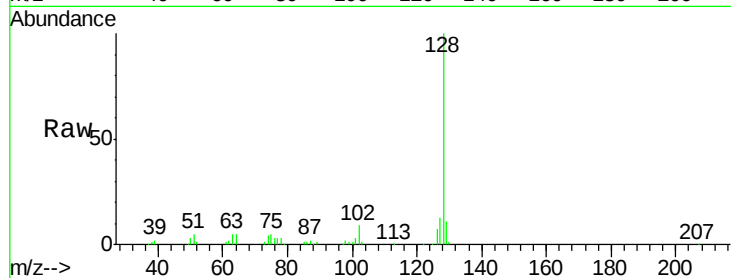




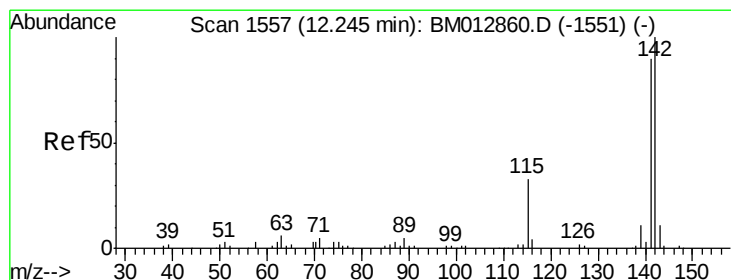
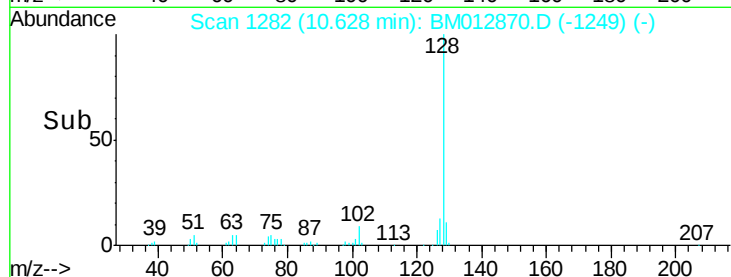
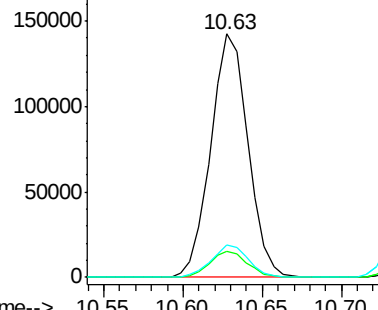
#3
Naphthalene
Concen: 19.22 ng/ul
RT: 10.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BM012870.D
Acq: 10 Nov 2017 19:38

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	13.2	10.6	16.0

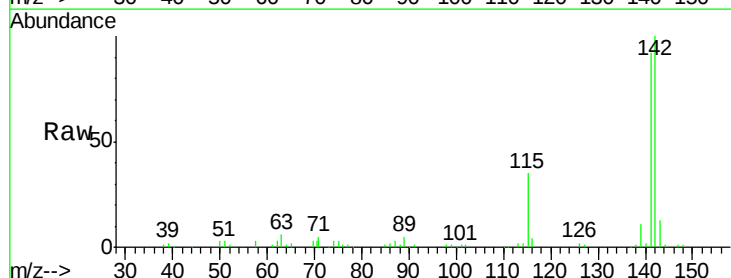


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

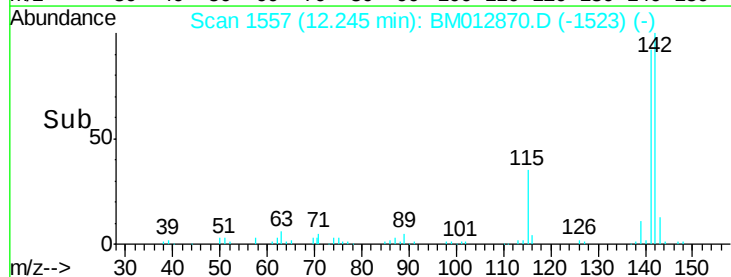
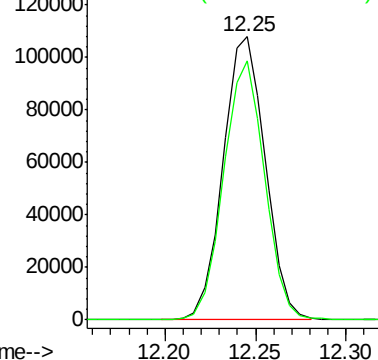


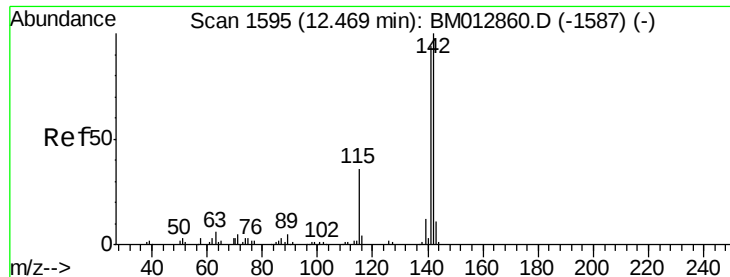
#4
2-Methylnaphthalene
Concen: 19.59 ng/ul
RT: 12.25 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BM012870.D
Acq: 10 Nov 2017 19:38

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.7	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: 19.51 ng/ul

RT: 12.46 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BM012870.D

Acq: 10 Nov 2017 19:38

Instrument :

BNA_M

ClientSampleId :

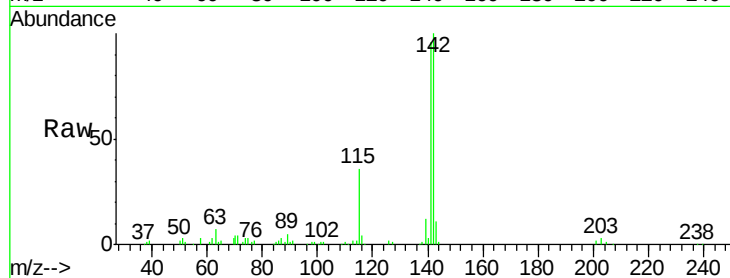
Tot Ion:142 Resp: 170117

Ion Ratio Lower Upper

142 100

141 96.0 79.3 118.9

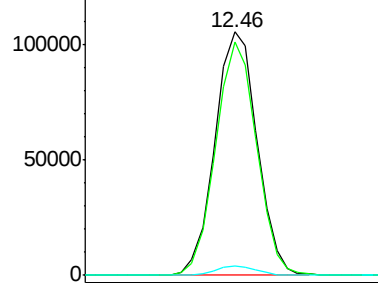
116 3.8 4.2 6.2#



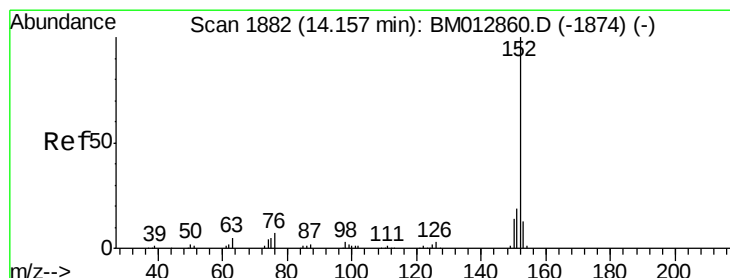
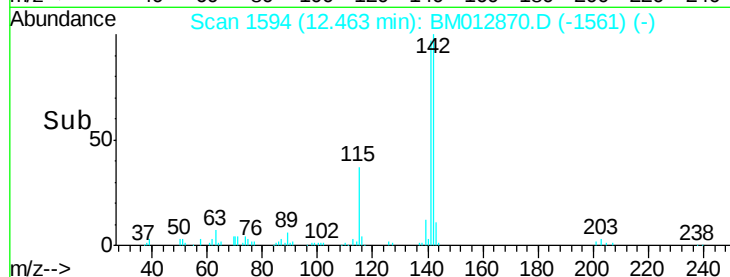
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



Time-->



#8

Acenaphthylene

Concen: 19.10 ng/ul

RT: 14.15 min Scan# 1881

Delta R.T. -0.01 min

Lab File: BM012870.D

Acq: 10 Nov 2017 19:38

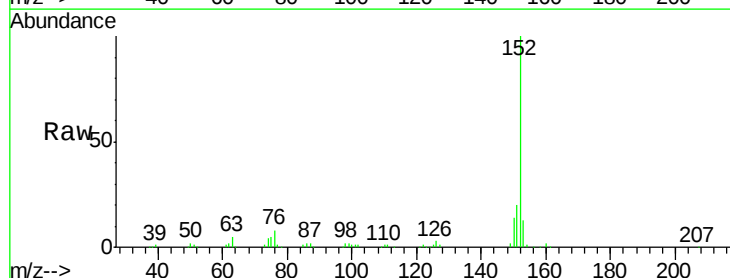
Tgt Ion:152 Resp: 282346

Ion Ratio Lower Upper

152 100

151 20.2 16.7 25.1

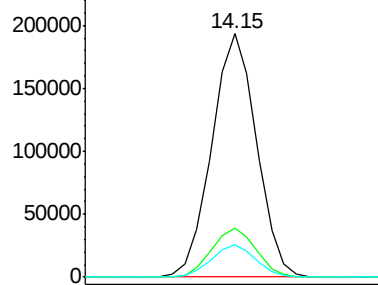
153 13.4 10.2 15.4



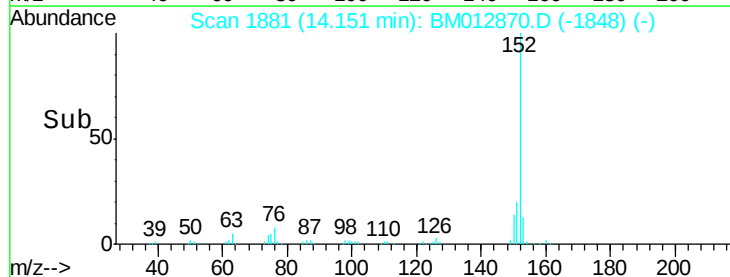
Abundance Ion 152.00 (151.70 to 152.70): E

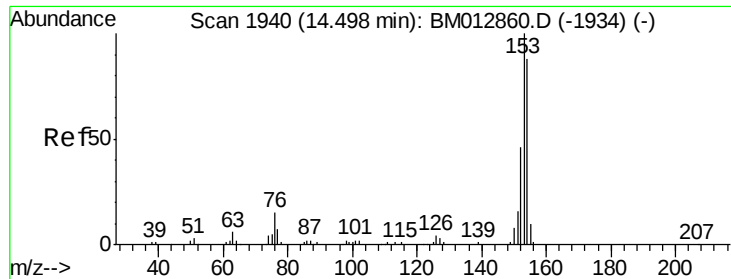
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->





#9

Acenaphthene

Concen: 19.17 ng/ul

RT: 14.49 min Scan# 1939

Delta R.T. -0.01 min

Lab File: BM012870.D

Acq: 10 Nov 2017 19:38

Instrument :

BNA_M

ClientSampleId :

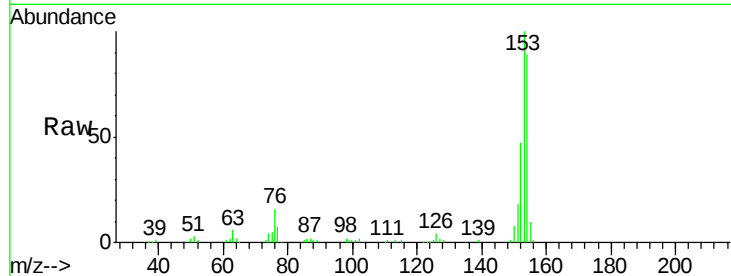
Tot Ion:153 Resp: 189788

Ion Ratio Lower Upper

153 100

152 46.5 39.0 58.6

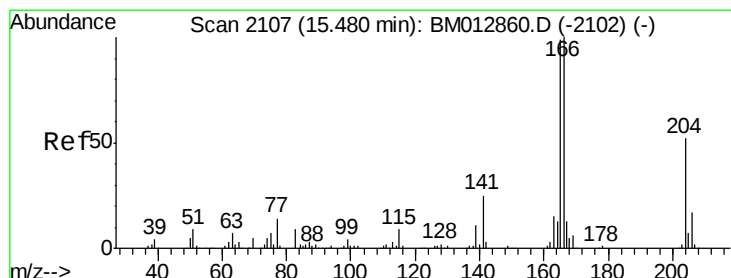
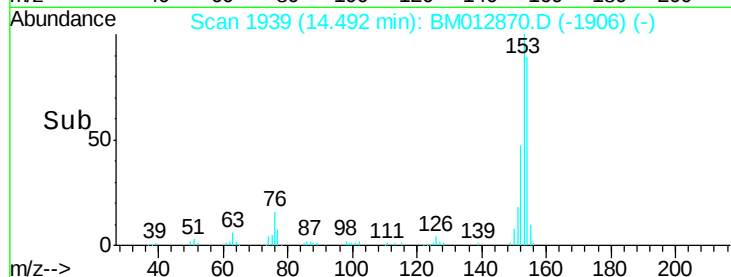
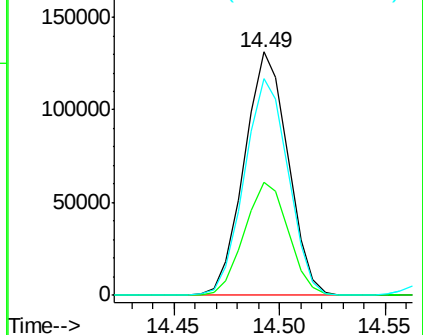
154 89.1 66.8 100.2



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: 19.52 ng/ul

RT: 15.48 min Scan# 2107

Delta R.T. 0.00 min

Lab File: BM012870.D

Acq: 10 Nov 2017 19:38

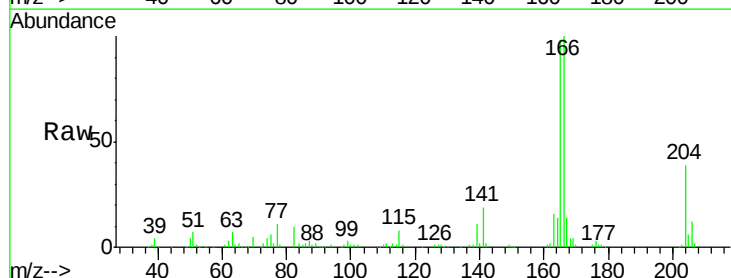
Tgt Ion:166 Resp: 230527

Ion Ratio Lower Upper

166 100

165 97.9 83.8 125.8

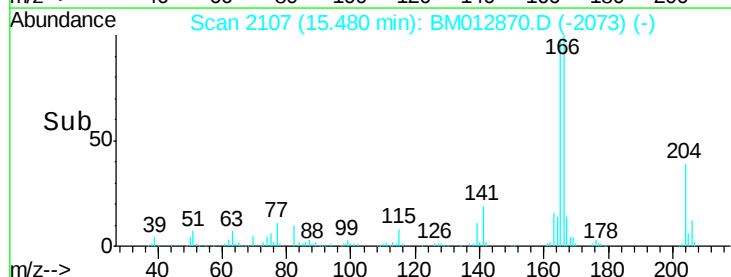
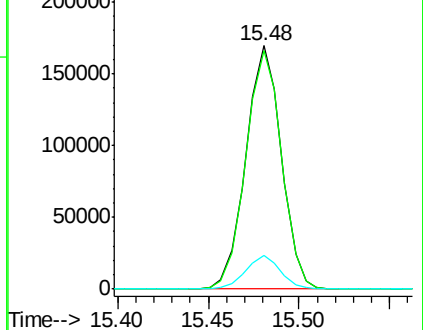
167 13.9 11.5 17.3

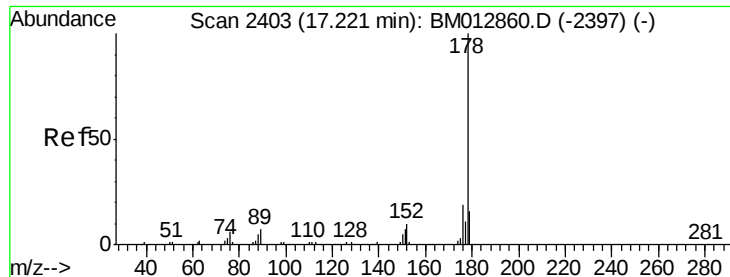


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

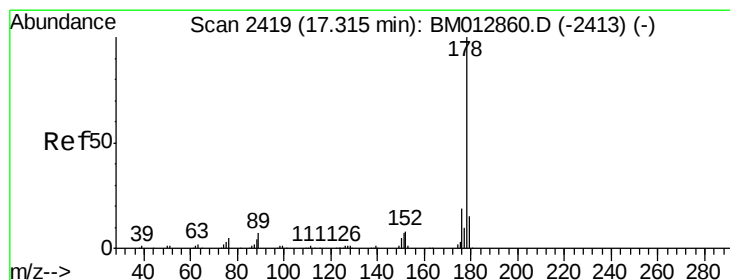
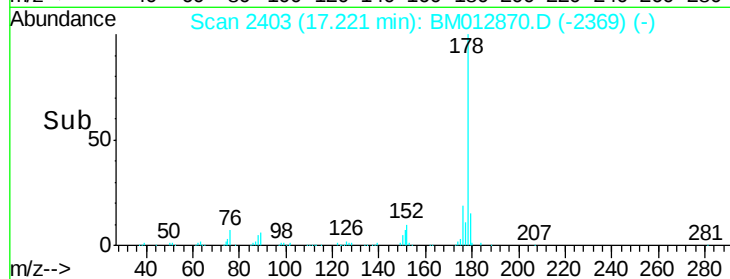
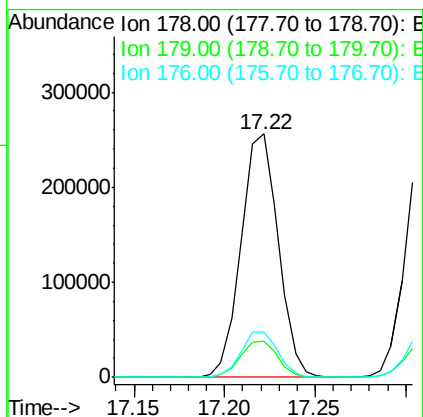
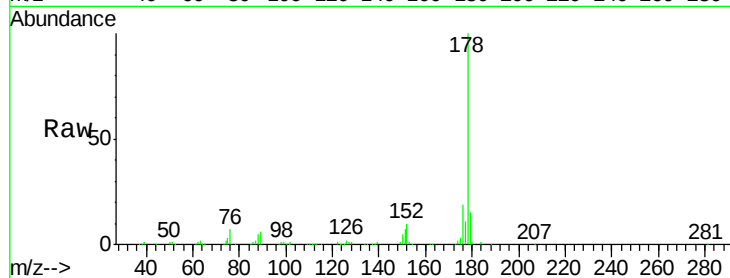




#13
Phenanthrene
Concen: 18.89 ng/ul
RT: 17.22 min Scan# 2403
Delta R.T. 0.00 min
Lab File: BM012870.D
Acq: 10 Nov 2017 19:38

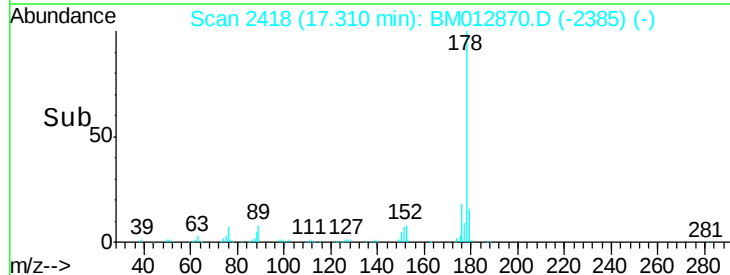
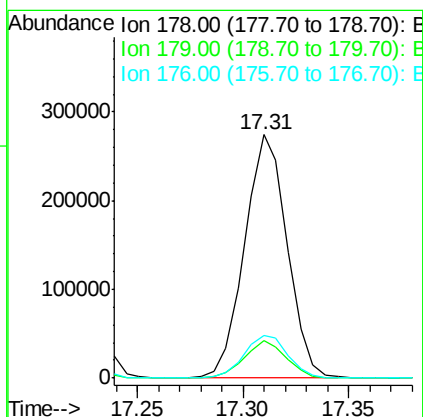
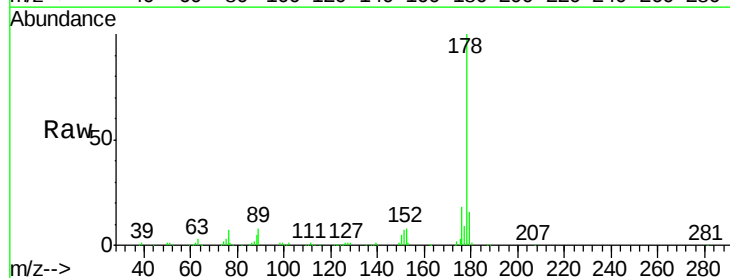
Instrument :
BNA_M
ClientSampleId :

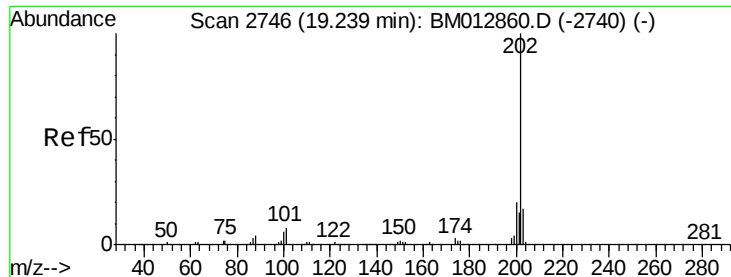
Tot Ion:178 Resp: 366545
Ion Ratio Lower Upper
178 100
179 15.1 12.3 18.5
176 18.6 15.1 22.7



#15
Anthracene
Concen: 18.97 ng/ul
RT: 17.31 min Scan# 2418
Delta R.T. -0.01 min
Lab File: BM012870.D
Acq: 10 Nov 2017 19:38

Tgt Ion:178 Resp: 382315
Ion Ratio Lower Upper
178 100
179 15.5 11.8 17.8
176 17.7 15.2 22.8

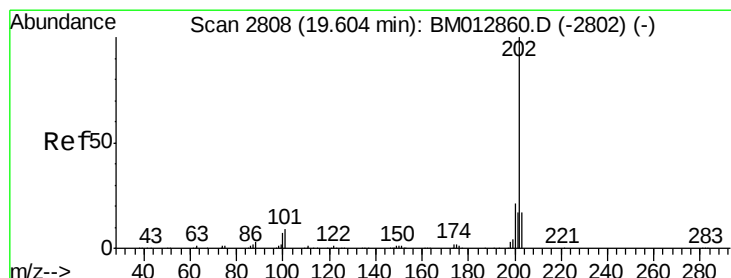
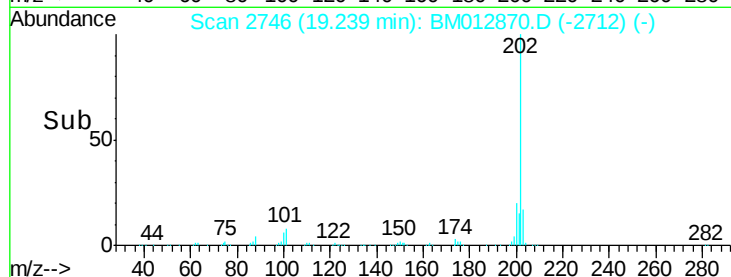
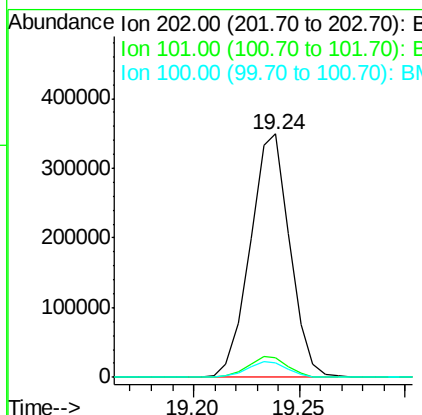
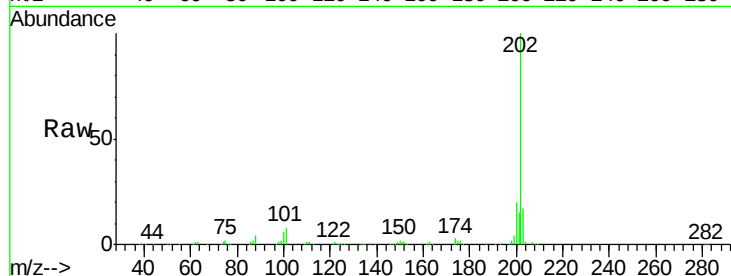




#16
Fluoranthene
 Concen: 19.06 ng/ul
 RT: 19.24 min Scan# 2746
 Delta R.T. 0.00 min
 Lab File: BM012870.D
 Acq: 10 Nov 2017 19:38

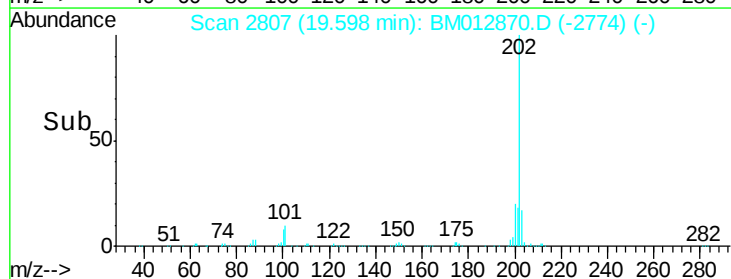
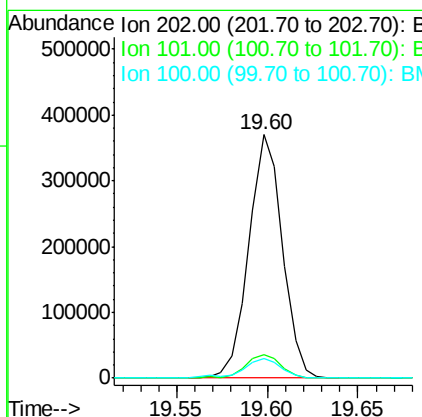
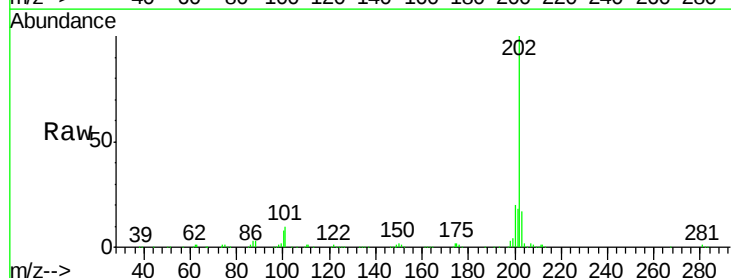
Instrument :
 BNA_M
 ClientSampleId :

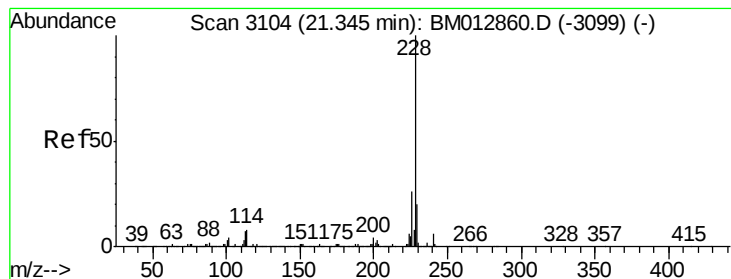
Tot Ion	Ratio	Lower	Upper
202	100		
101	8.1	9.9	14.9#
100	6.1	7.4	11.0#



#19
Pyrene
 Concen: 19.22 ng/ul
 RT: 19.60 min Scan# 2807
 Delta R.T. -0.01 min
 Lab File: BM012870.D
 Acq: 10 Nov 2017 19:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	11.0	16.4#
100	8.3	8.1	12.1





#20

Benzo(a)anthracene

Concen: 18.90 ng/ul

RT: 21.34 min Scan# 3104

Delta R.T. 0.00 min

Lab File: BM012870.D

Acq: 10 Nov 2017 19:38

Instrument :

BNA_M

ClientSampled :

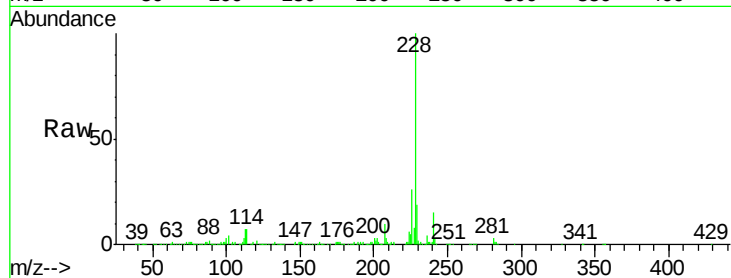
Tot Ion:228 Resp: 501719

Ion Ratio Lower Upper

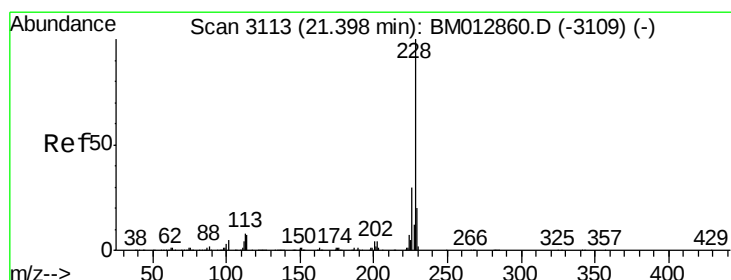
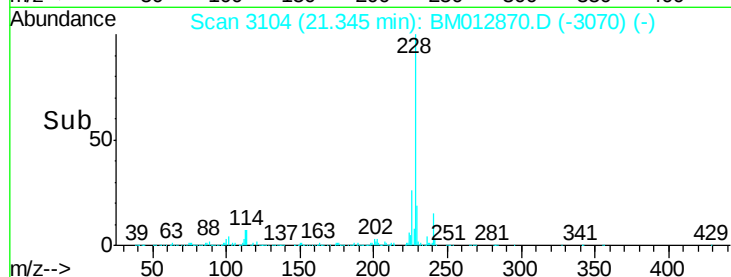
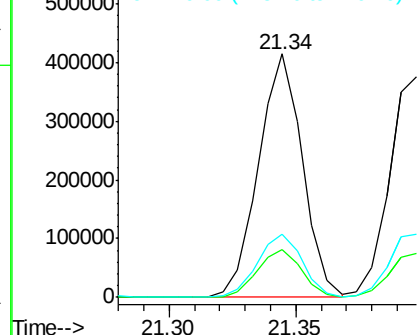
228 100

229 19.4 15.7 23.5

226 26.2 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: 19.00 ng/ul

RT: 21.40 min Scan# 3113

Delta R.T. 0.00 min

Lab File: BM012870.D

Acq: 10 Nov 2017 19:38

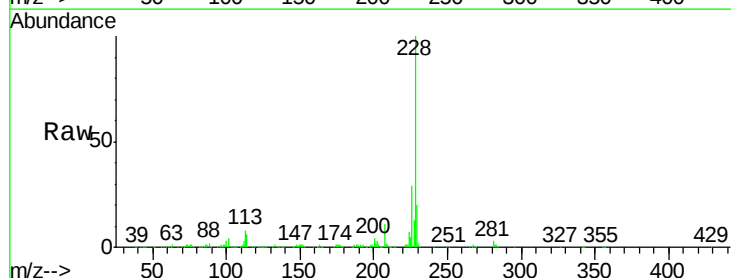
Tgt Ion:228 Resp: 450786

Ion Ratio Lower Upper

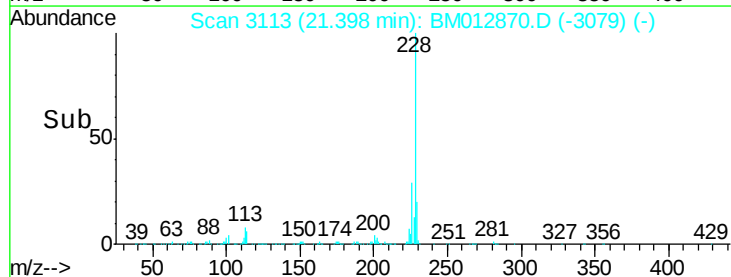
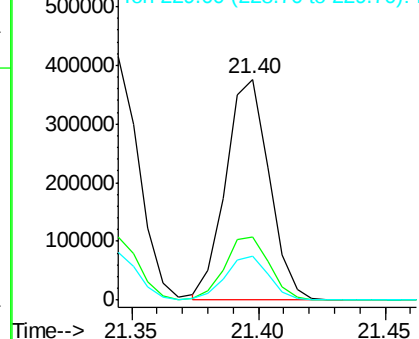
228 100

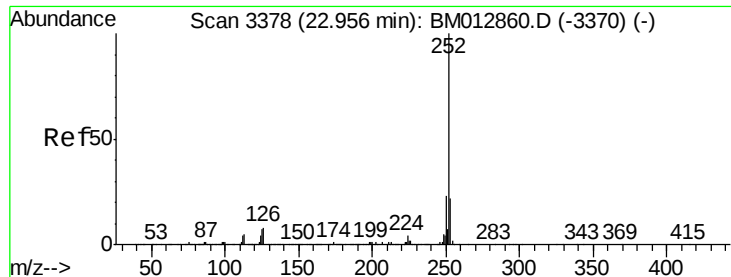
226 28.8 24.5 36.7

229 19.7 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

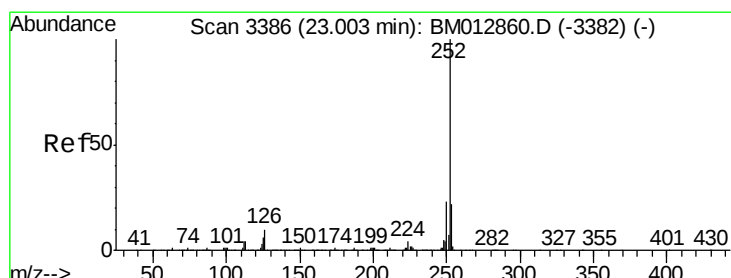
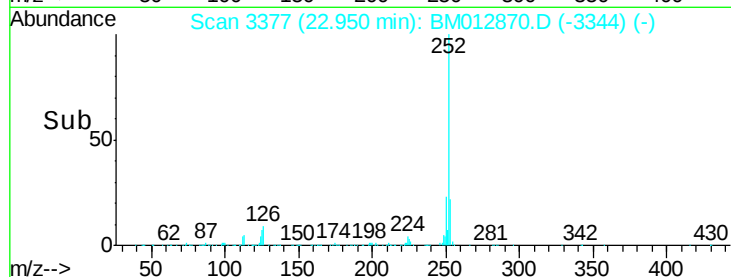
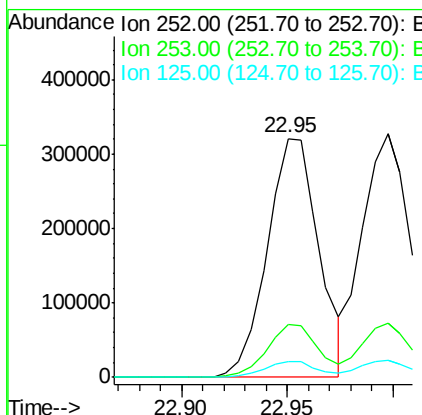
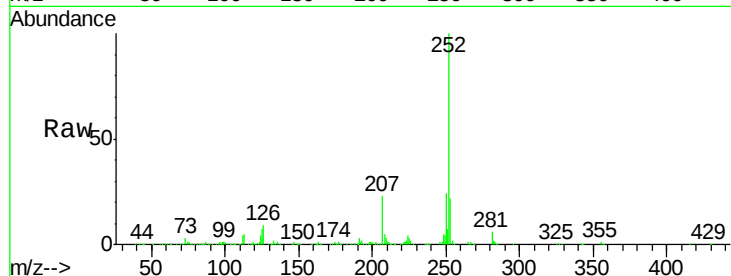




#23
Benzo(b)fluoranthene
Concen: 19.18 ng/ul
RT: 22.95 min Scan# 3377
Delta R.T. -0.01 min
Lab File: BM012870.D
Acq: 10 Nov 2017 19:38

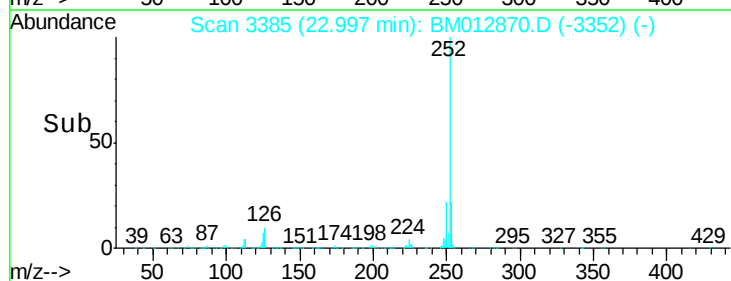
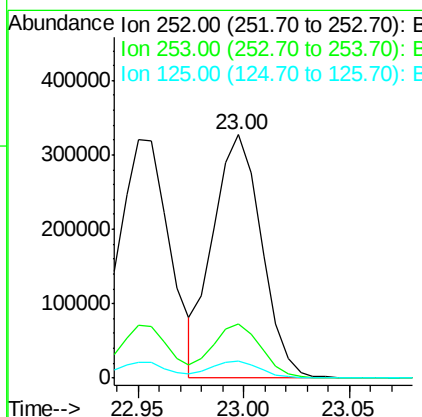
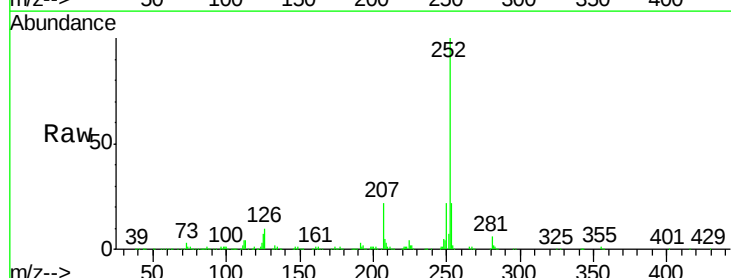
Instrument :
BNA_M
ClientSampleId :

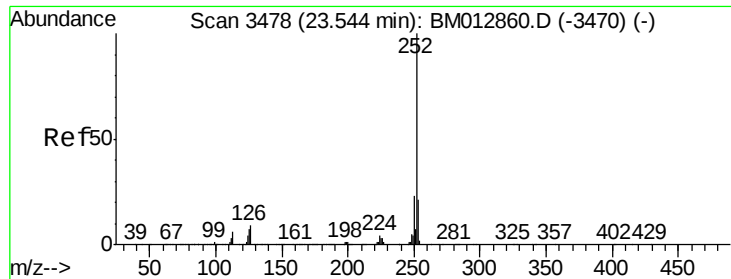
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	6.7	8.0	12.0



#24
Benzo(k)fluoranthene
Concen: 19.07 ng/ul
RT: 23.00 min Scan# 3385
Delta R.T. -0.01 min
Lab File: BM012870.D
Acq: 10 Nov 2017 19:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.0	27.0
125	6.8	8.1	12.1

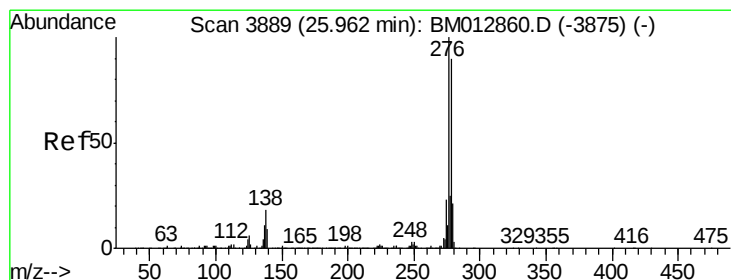
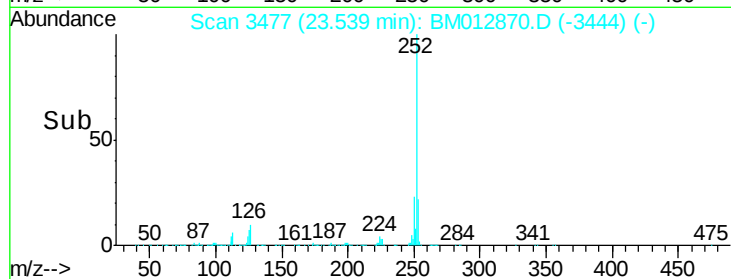
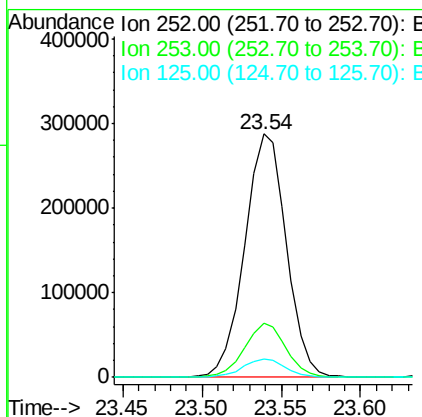
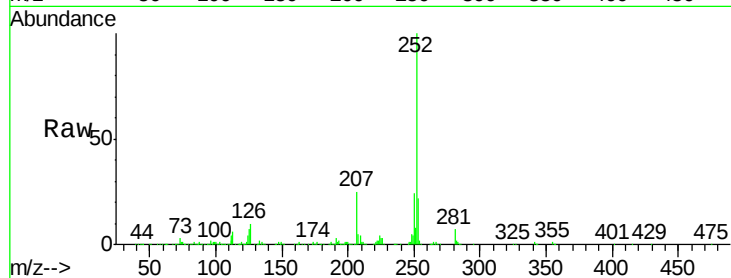




#26
Benzo(a)pyrene
Concen: 18.83 ng/ul
RT: 23.54 min Scan# 3477
Delta R.T. -0.01 min
Lab File: BM012870.D
Acq: 10 Nov 2017 19:38

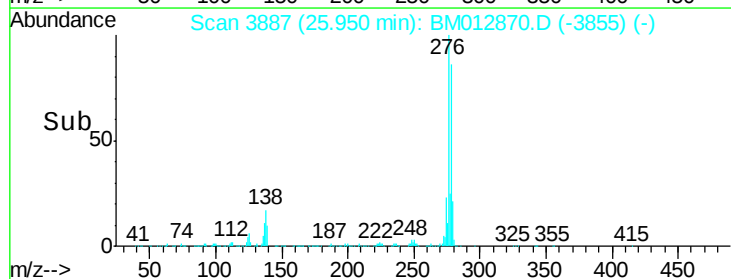
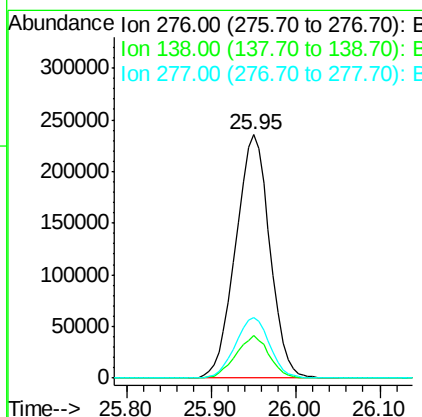
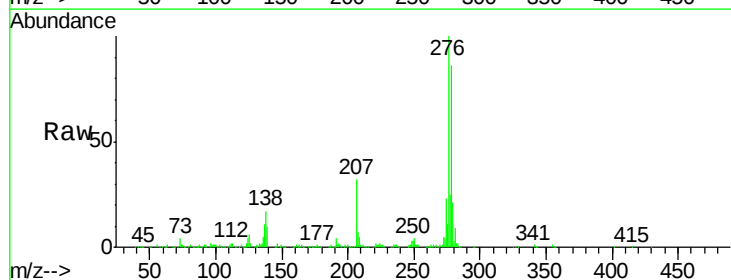
Instrument :
BNA_M
ClientSampleId :

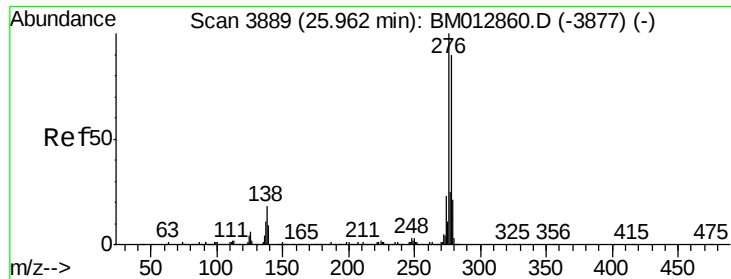
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	7.5	8.2	12.4



#27
Indeno(1,2,3-cd)pyrene
Concen: 18.55 ng/ul
RT: 25.95 min Scan# 3887
Delta R.T. -0.01 min
Lab File: BM012870.D
Acq: 10 Nov 2017 19:38

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.4	14.4	21.6
277	24.7	18.0	27.0





#28

Dibenzo(a,h)anthracene

Concen: 18.58 ng/ul

RT: 25.96 min Scan# 3888

Delta R.T. -0.01 min

Lab File: BM012870.D

Acq: 10 Nov 2017 19:38

Instrument :

BNA_M

ClientSampled :

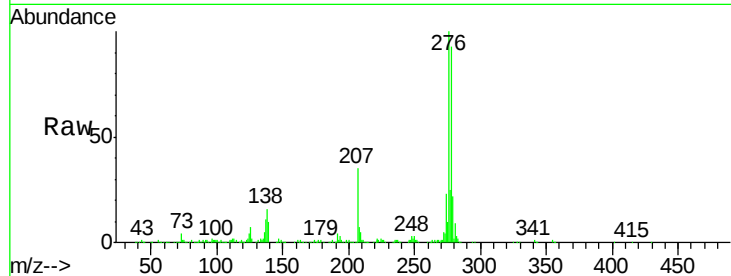
Tot Ion:278 Resp: 555908

Ion Ratio Lower Upper

278 100

139 11.2 12.2 18.4#

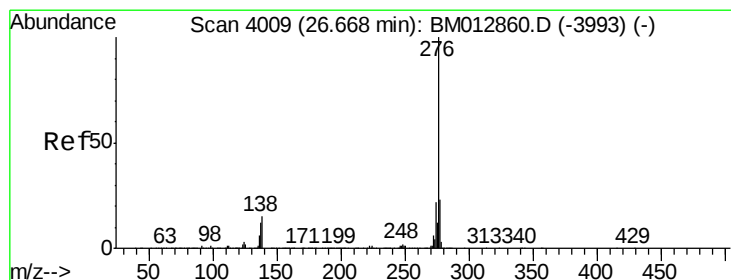
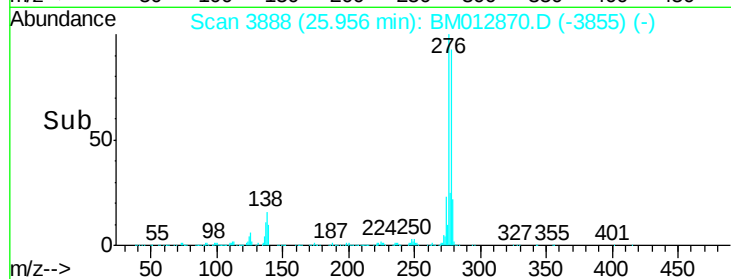
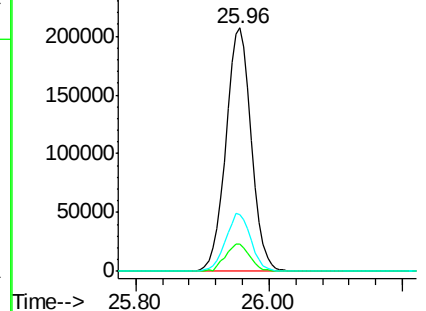
279 23.2 19.2 28.8



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: 18.34 ng/ul

RT: 26.66 min Scan# 4007

Delta R.T. -0.01 min

Lab File: BM012870.D

Acq: 10 Nov 2017 19:38

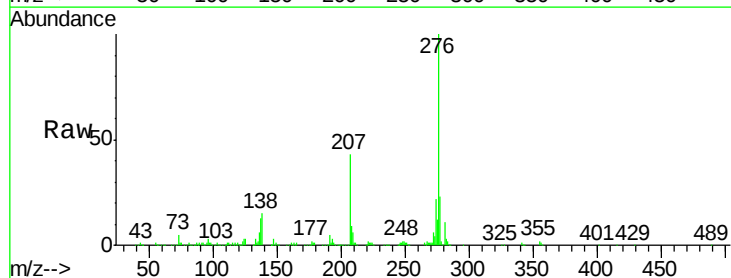
Tgt Ion:276 Resp: 544869

Ion Ratio Lower Upper

276 100

138 15.0 15.3 22.9#

277 22.8 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

