

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
 Data File : BM012912.D
 Acq On : 11 Nov 2017 21:11
 Operator : SJ/JU
 Sample : SSTDC0020
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Nov 13 01:10:57 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 13 01:07:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	71554	20.00	ng/ul	0.00
2) Naphthalene-d8	10.57	136	275211	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.42	164	166455	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.17	188	390896	20.00	ng/ul	0.00
17) Chrysene-d12	21.35	240	483184	20.00	ng/ul	0.00
22) Perylene-d12	23.63	264	544189	20.00	ng/ul	0.00

System Monitoring Compounds

7) Acenaphthylene-d8	14.12	160	325362	18.79	ng/ul	0.00
10) Fluorene-d10	15.42	176	226077	19.09	ng/ul	0.00
14) Anthracene-d10	17.27	188	358313	18.96	ng/ul	0.00
18) Pyrene-d10	19.56	212	401717	18.58	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.48	264	490420	19.09	ng/ul	0.00

Target Compounds

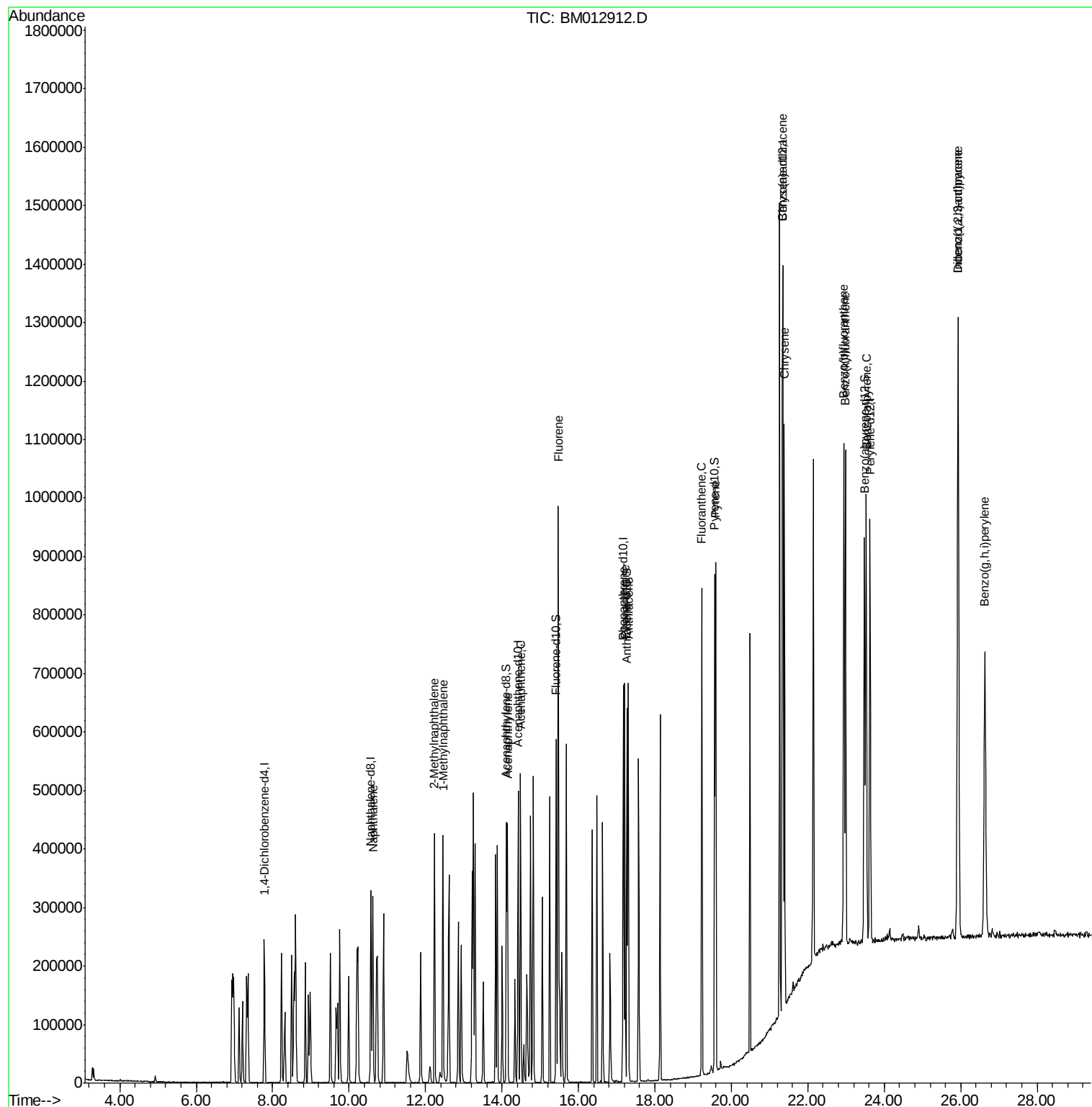
						Ovalue
3) Naphthalene	10.62	128	268234	19.25	ng/ul	100
4) 2-Methylnaphthalene	12.23	142	199282	19.42	ng/ul	98
5) 1-Methylnaphthalene	12.46	142	196430	19.53	ng/ul#	94
8) Acenaphthylene	14.15	152	321088	19.06	ng/ul	98
9) Acenaphthene	14.49	153	217531	19.28	ng/ul	97
11) Fluorene	15.47	166	261138	19.40	ng/ul	93
13) Phenanthrene	17.21	178	413780	19.16	ng/ul	99
15) Anthracene	17.30	178	432648	19.29	ng/ul	98
16) Fluoranthene	19.23	202	507795	19.12	ng/ul#	92
19) Pyrene	19.59	202	531159	19.15	ng/ul#	93
20) Benzo(a)anthracene	21.34	228	565980	19.04	ng/ul	99
21) Chrysene	21.39	228	505220	19.02	ng/ul	99
23) Benzo(b)fluoranthene	22.94	252	649627	20.07	ng/ul#	97
24) Benzo(k)fluoranthene	22.99	252	591451	19.12	ng/ul#	97
26) Benzo(a)pyrene	23.53	252	596847	19.02	ng/ul#	97
27) Indeno(1,2,3-cd)pyrene	25.93	276	760758	18.79	ng/ul	96
28) Dibenzo(a,h)anthracene	25.93	278	642436	18.88	ng/ul#	97
29) Benzo(a,h,i)perylene	26.63	276	632519	18.72	ng/ul#	95

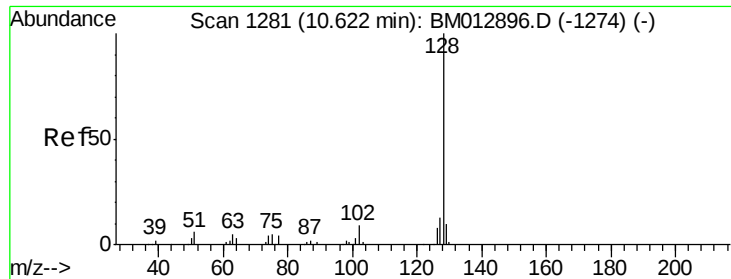
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012912.D
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Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Nov 13 01:10:57 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 13 01:07:29 2017
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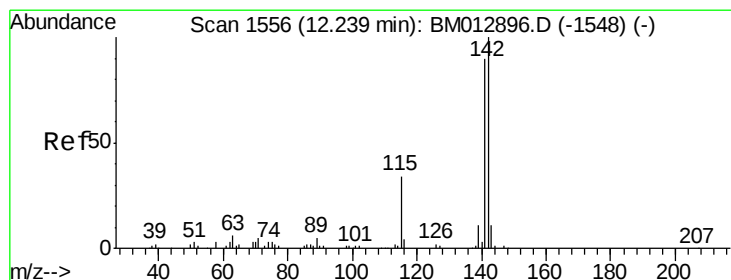
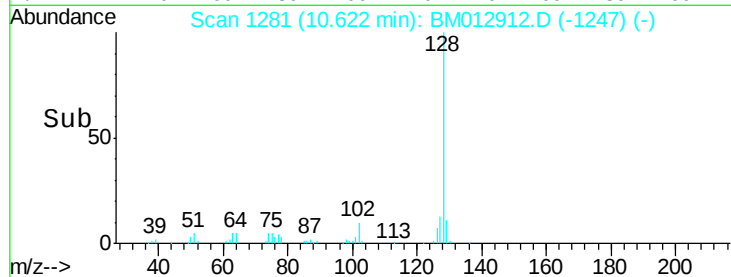
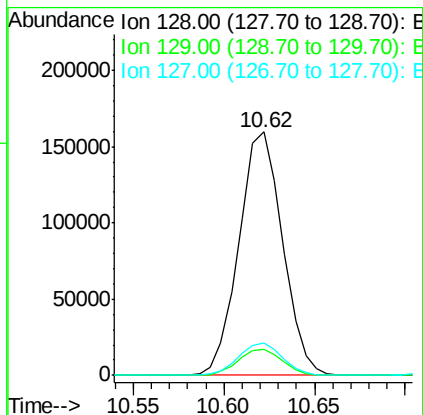
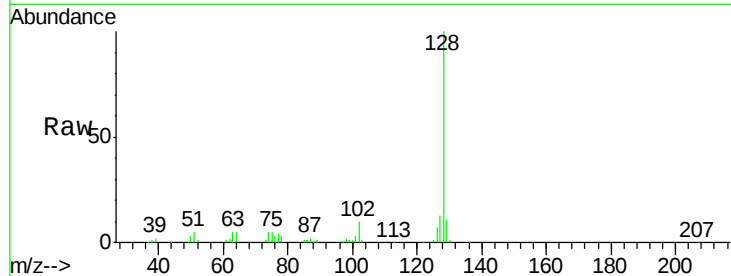




#3
Naphthalene
Concen: 19.25 ng/ul
RT: 10.62 min Scan# 1281
Delta R.T. 0.00 min
Lab File: BM012912.D
Acq: 11 Nov 2017 21:11

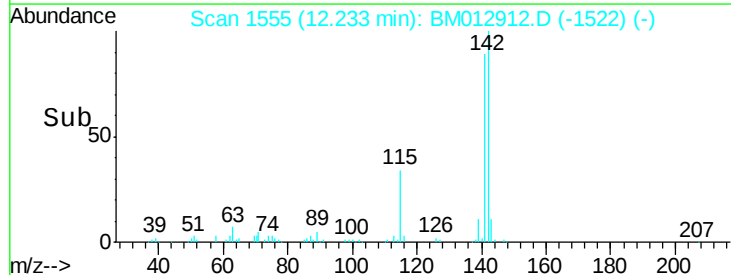
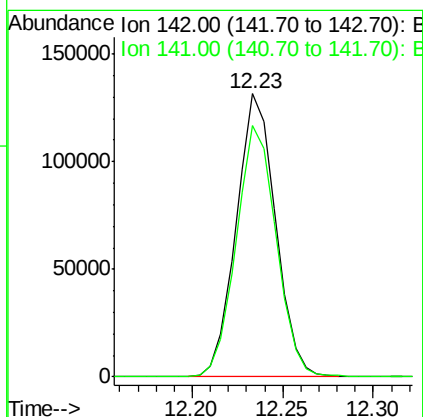
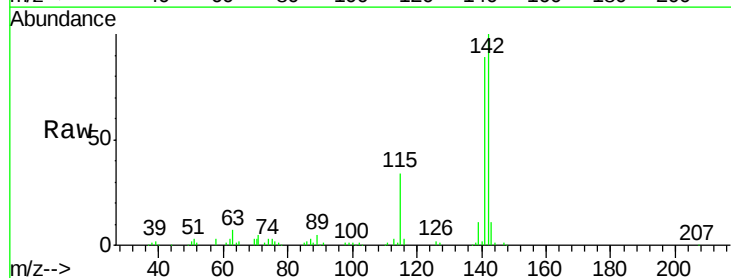
Instrument :
BNA_M
ClientSampleId :

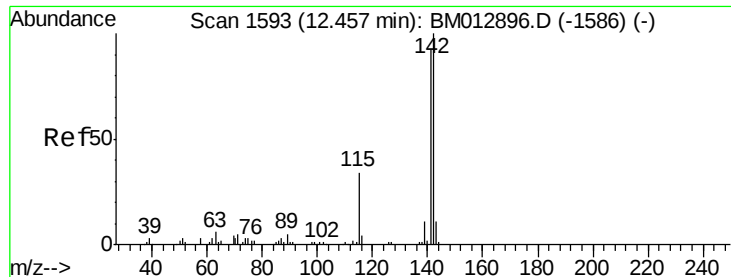
Tot Ion:128 Resp: 268234
Ion Ratio Lower Upper
128 100
129 10.7 8.7 13.1
127 13.3 10.6 16.0



#4
2-Methylnaphthalene
Concen: 19.42 ng/ul
RT: 12.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BM012912.D
Acq: 11 Nov 2017 21:11

Tgt Ion:142 Resp: 199282
Ion Ratio Lower Upper
142 100
141 88.9 72.7 109.1





#5

1-Methylnaphthalene

Concen: 19.53 ng/ul

RT: 12.46 min Scan# 1593

Delta R.T. 0.00 min

Lab File: BM012912.D

Acq: 11 Nov 2017 21:11

Instrument :

BNA_M

ClientSampleId :

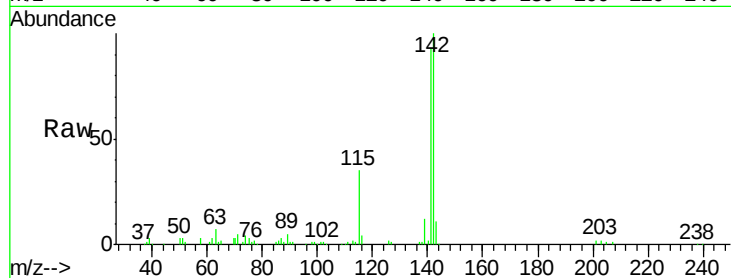
Tot Ion:142 Resp: 196430

Ion Ratio Lower Upper

142 100

141 93.1 79.3 118.9

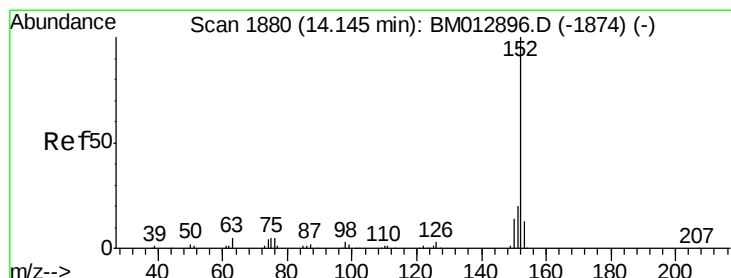
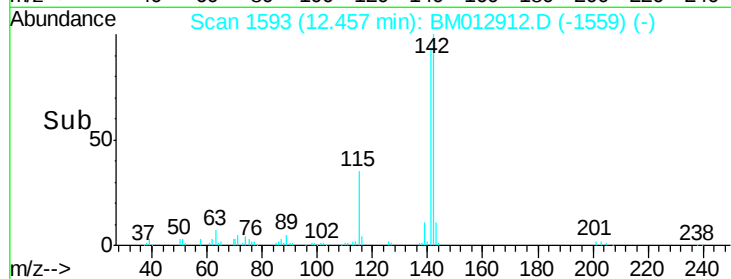
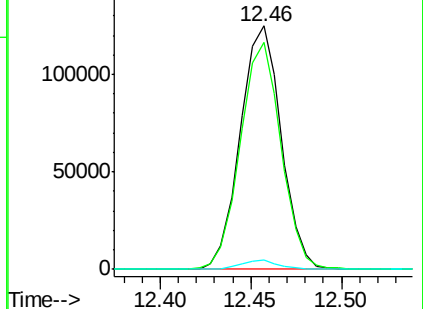
116 3.8 4.2 6.2#



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



#8

Acenaphthylene

Concen: 19.06 ng/ul

RT: 14.15 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BM012912.D

Acq: 11 Nov 2017 21:11

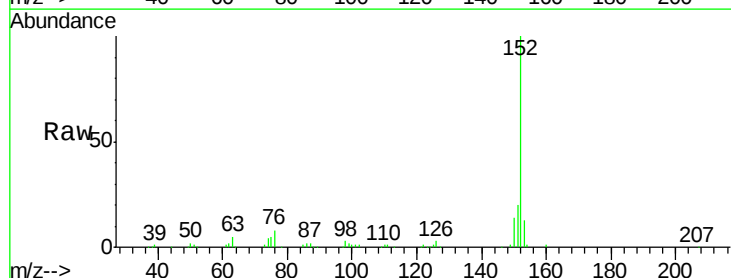
Tgt Ion:152 Resp: 321088

Ion Ratio Lower Upper

152 100

151 19.9 16.7 25.1

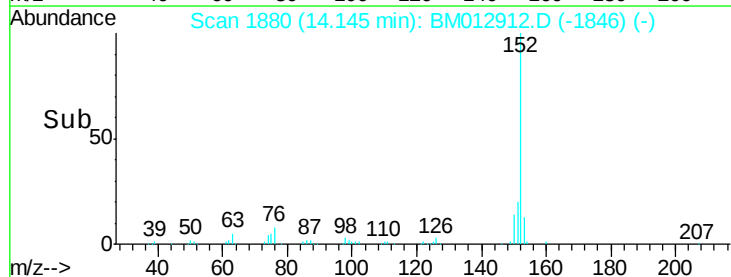
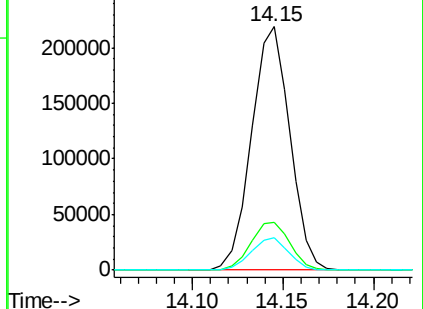
153 13.2 10.2 15.4

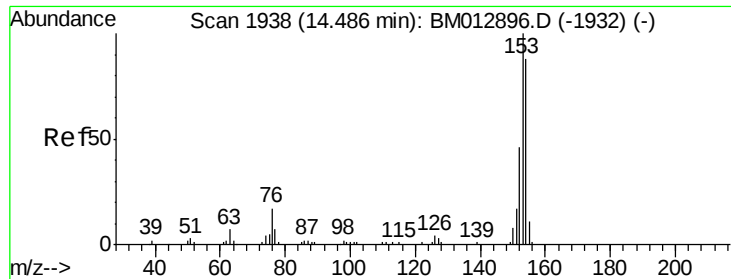


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 19.28 ng/ul

RT: 14.49 min Scan# 1938

Delta R.T. 0.00 min

Lab File: BM012912.D

Acq: 11 Nov 2017 21:11

Instrument :

BNA_M

ClientSampleId :

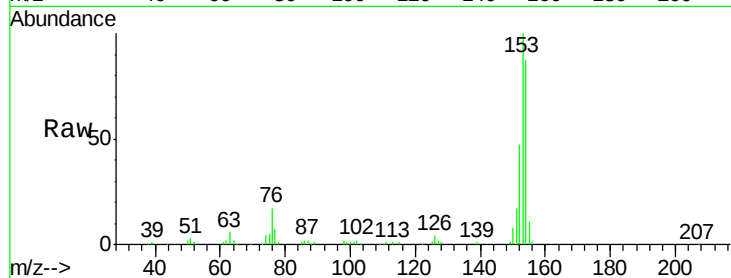
Tot Ion:153 Resp: 217531

Ion Ratio Lower Upper

153 100

152 46.6 39.0 58.6

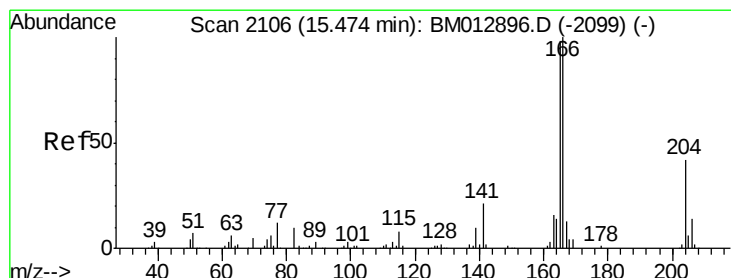
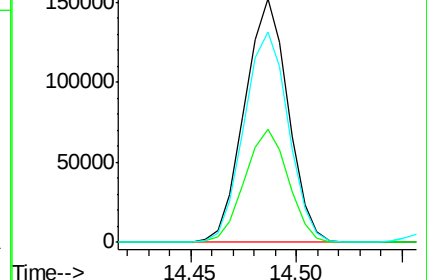
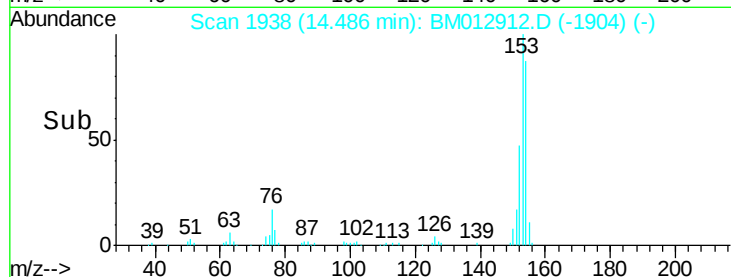
154 86.6 66.8 100.2



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: 19.40 ng/ul

RT: 15.47 min Scan# 2106

Delta R.T. 0.00 min

Lab File: BM012912.D

Acq: 11 Nov 2017 21:11

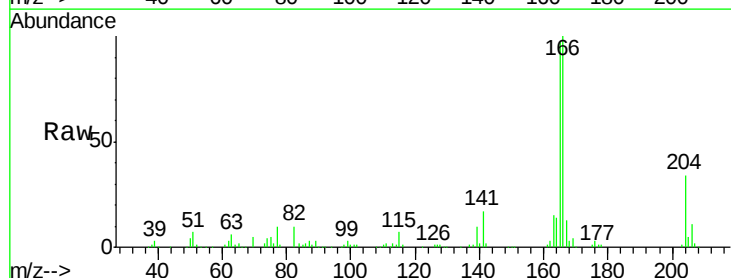
Tgt Ion:166 Resp: 261138

Ion Ratio Lower Upper

166 100

165 96.8 83.8 125.8

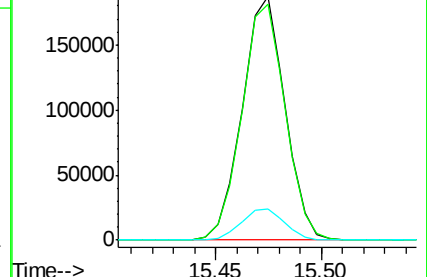
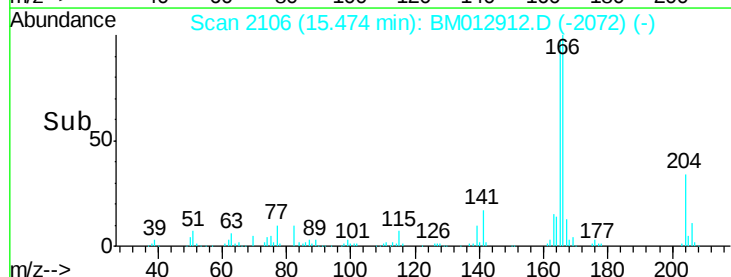
167 12.9 11.5 17.3

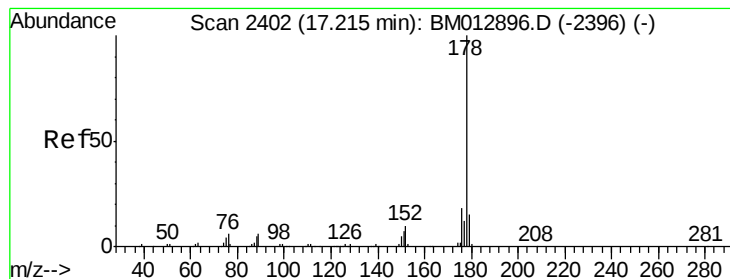


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 19.16 ng/ul

RT: 17.21 min Scan# 2401

Delta R.T. -0.01 min

Lab File: BM012912.D

Acq: 11 Nov 2017 21:11

Instrument :

BNA_M

ClientSampleId :

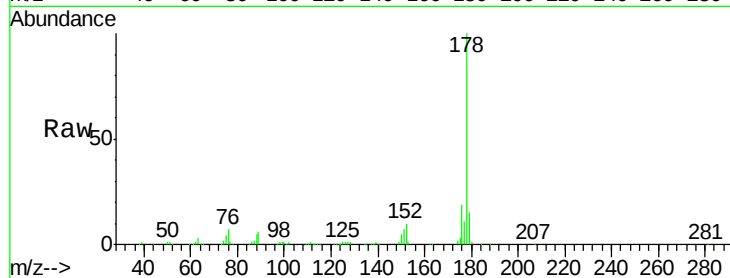
Tot Ion:178 Resp: 413780

Ion Ratio Lower Upper

178 100

179 15.3 12.3 18.5

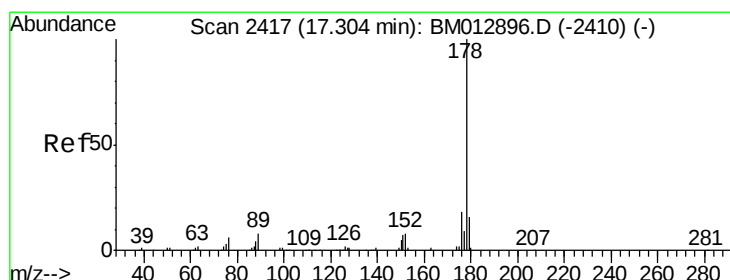
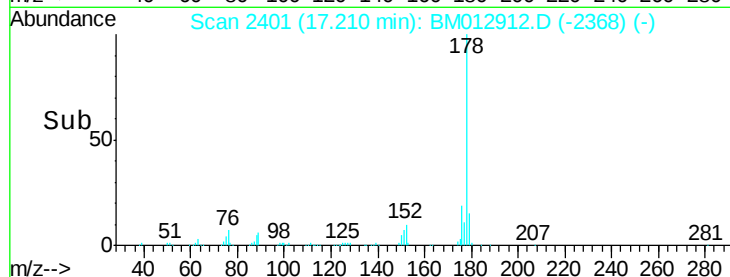
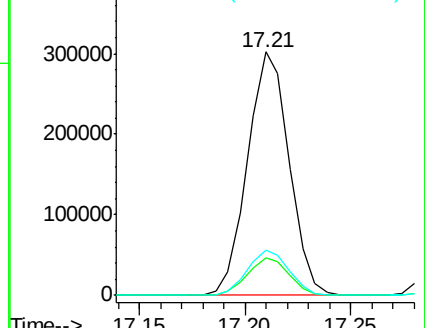
176 18.5 15.1 22.7



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



#15

Anthracene

Concen: 19.29 ng/ul

RT: 17.30 min Scan# 2417

Delta R.T. 0.00 min

Lab File: BM012912.D

Acq: 11 Nov 2017 21:11

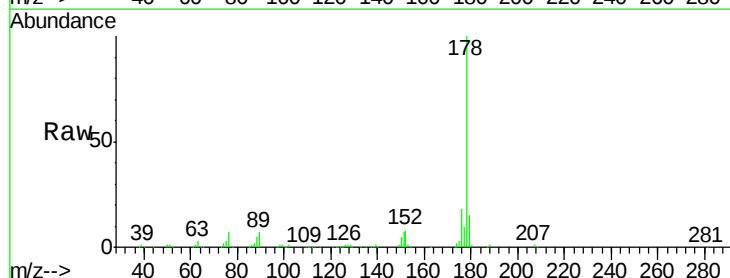
Tgt Ion:178 Resp: 432648

Ion Ratio Lower Upper

178 100

179 14.7 11.8 17.8

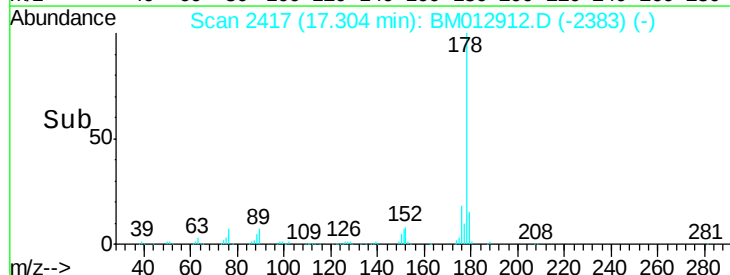
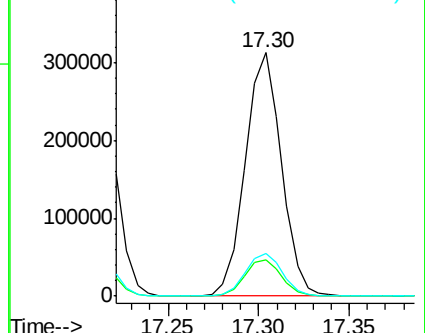
176 17.6 15.2 22.8

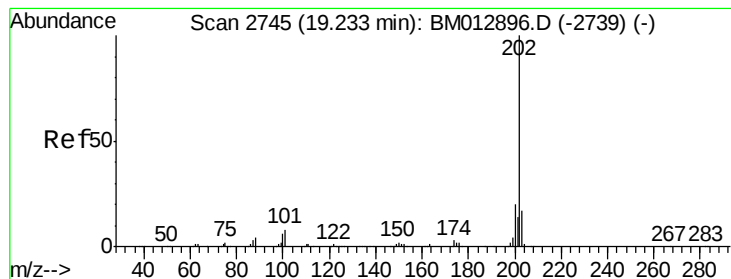


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 19.12 ng/ul

RT: 19.23 min Scan# 2744

Delta R.T. -0.01 min

Lab File: BM012912.D

Acq: 11 Nov 2017 21:11

Instrument :

BNA_M

ClientSampleId :

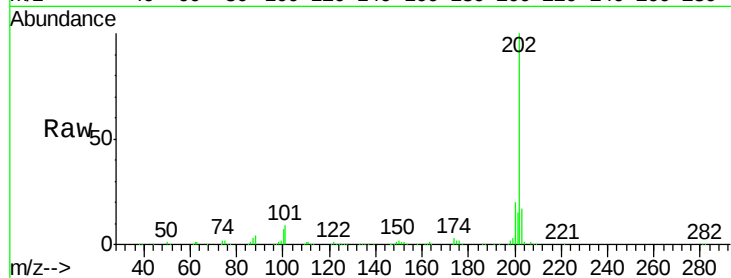
Tot Ion:202 Resp: 507795

Ion Ratio Lower Upper

202 100

101 9.1 9.9 14.9#

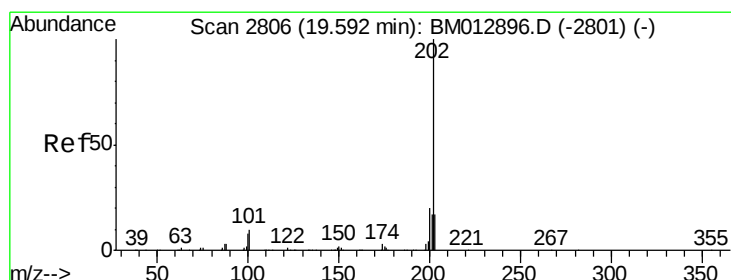
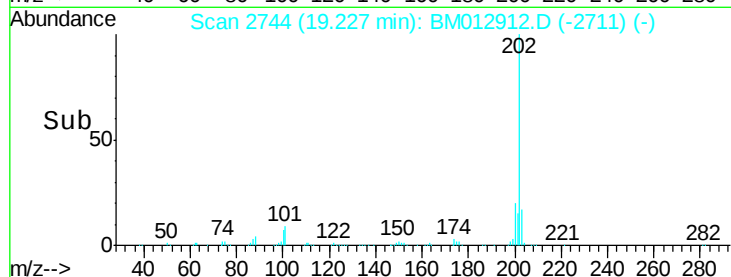
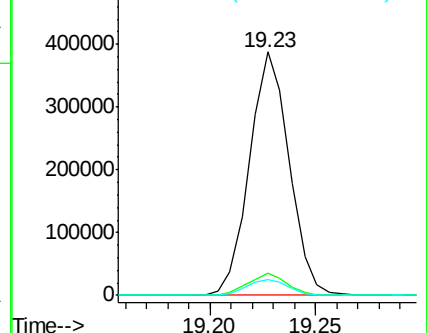
100 6.7 7.4 11.0#



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: 19.15 ng/ul

RT: 19.59 min Scan# 2806

Delta R.T. 0.00 min

Lab File: BM012912.D

Acq: 11 Nov 2017 21:11

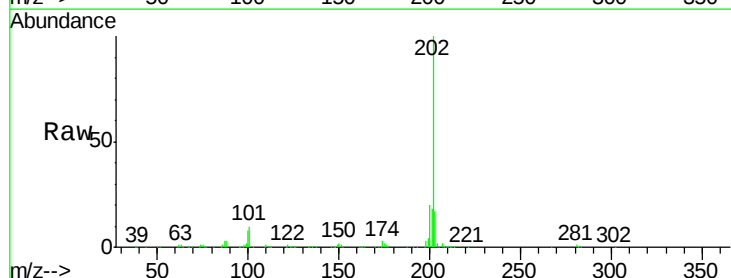
Tgt Ion:202 Resp: 531159

Ion Ratio Lower Upper

202 100

101 10.2 11.0 16.4#

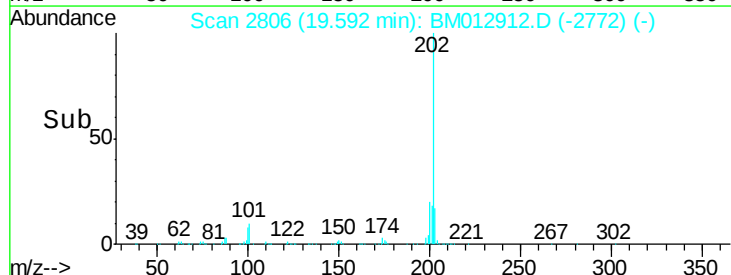
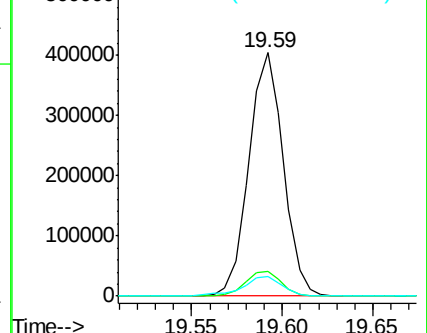
100 7.9 8.1 12.1#

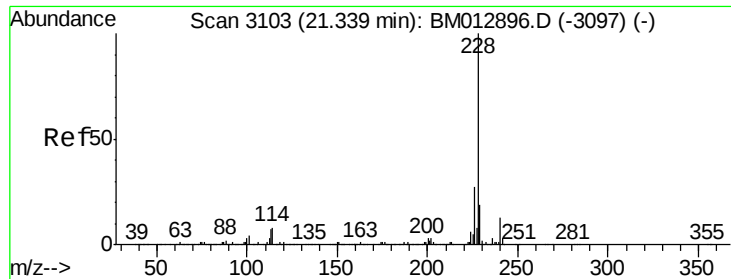


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

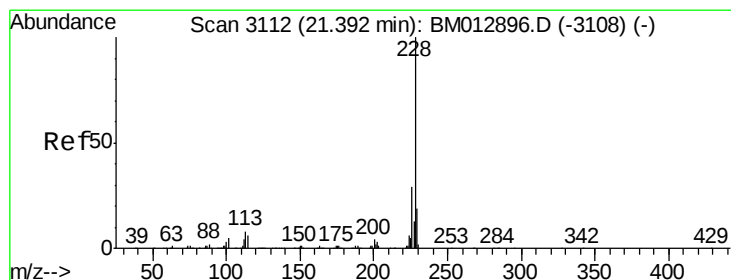
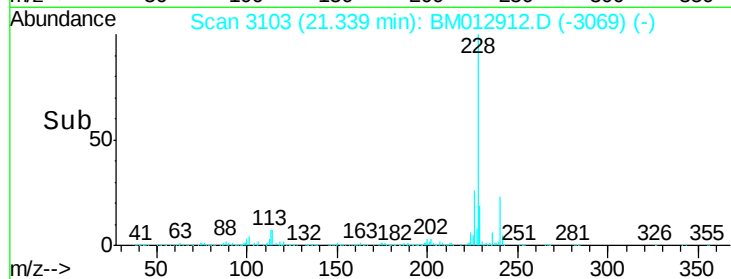
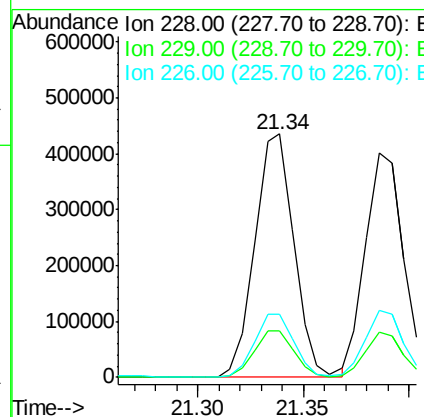
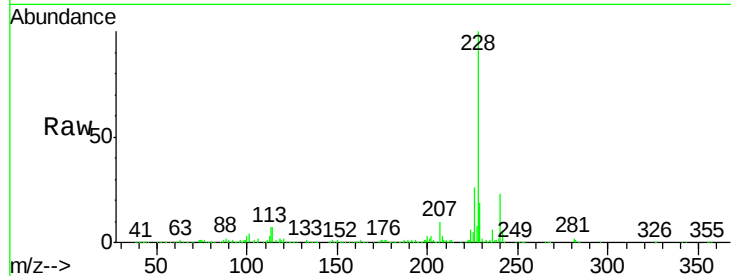




#20
Benzo(a)anthracene
Concen: 19.04 ng/ul
RT: 21.34 min Scan# 3103
Delta R.T. 0.00 min
Lab File: BM012912.D
Acq: 11 Nov 2017 21:11

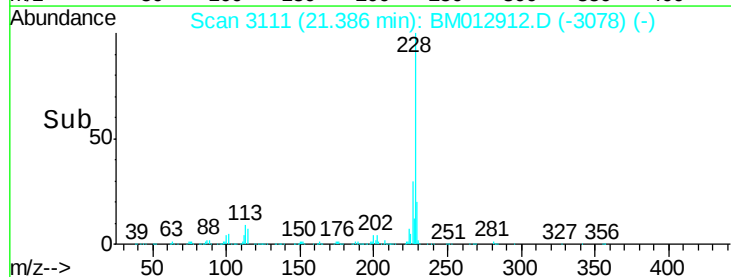
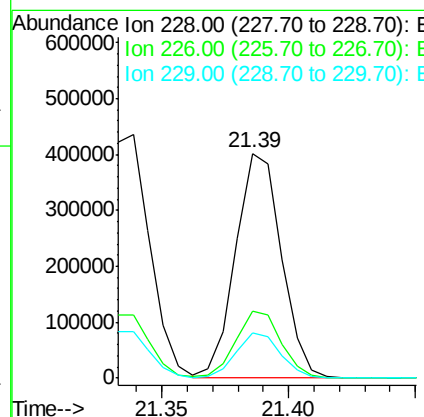
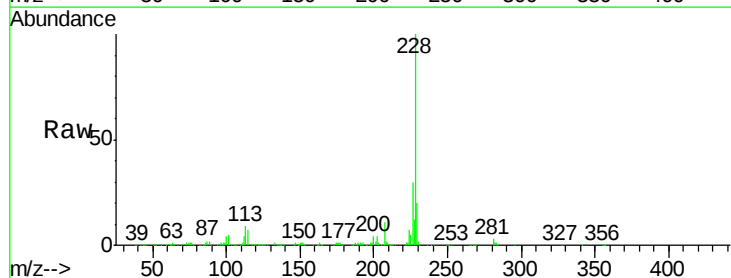
Instrument :
BNA_M
ClientSampleId :

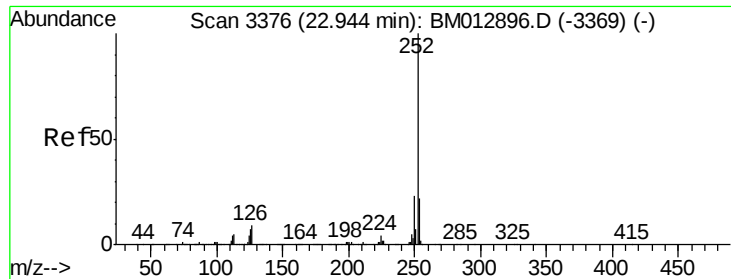
Tot Ion:228 Resp: 565980
Ion Ratio Lower Upper
228 100
229 19.1 15.7 23.5
226 26.0 21.1 31.7



#21
Chrysene
Concen: 19.02 ng/ul
RT: 21.39 min Scan# 3111
Delta R.T. -0.01 min
Lab File: BM012912.D
Acq: 11 Nov 2017 21:11

Tgt Ion:228 Resp: 505220
Ion Ratio Lower Upper
228 100
226 29.7 24.5 36.7
229 20.1 15.8 23.8





#23

Benzo(b)fluoranthene

Concen: 20.07 ng/ul

RT: 22.94 min Scan# 3375

Delta R.T. -0.01 min

Lab File: BM012912.D

Acq: 11 Nov 2017 21:11

Instrument :

BNA_M

ClientSampleId :

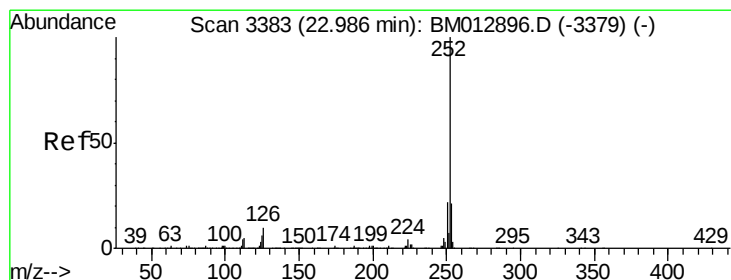
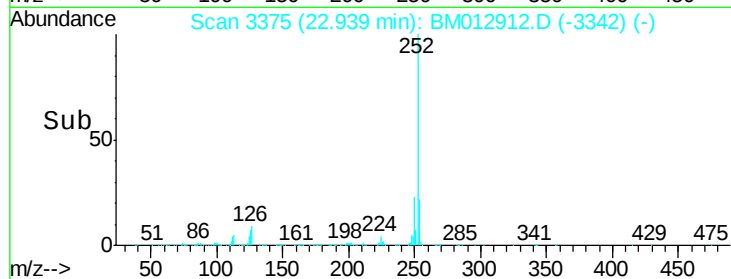
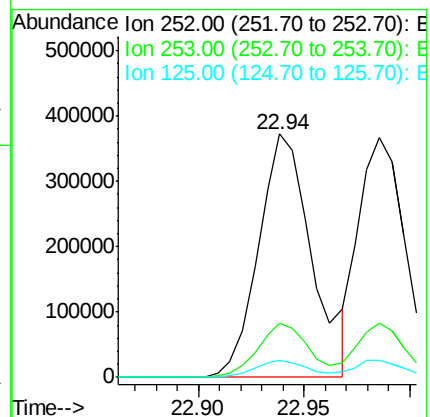
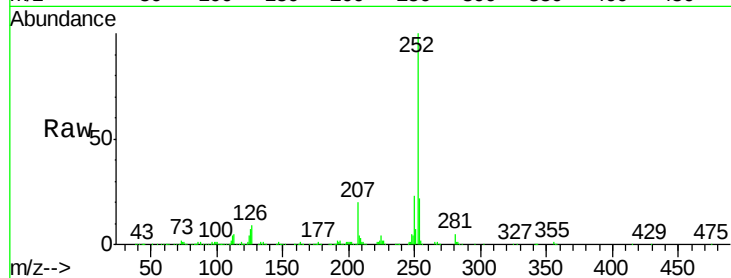
Tot Ion:252 Resp: 649627

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: 19.12 ng/ul

RT: 22.99 min Scan# 3383

Delta R.T. 0.00 min

Lab File: BM012912.D

Acq: 11 Nov 2017 21:11

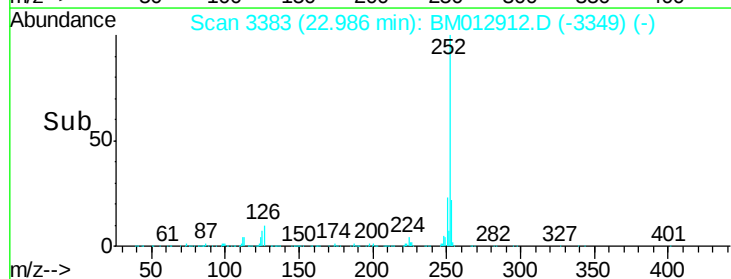
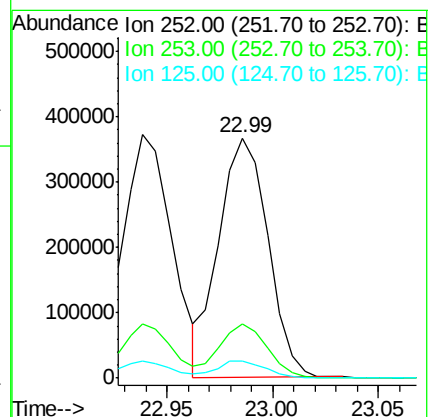
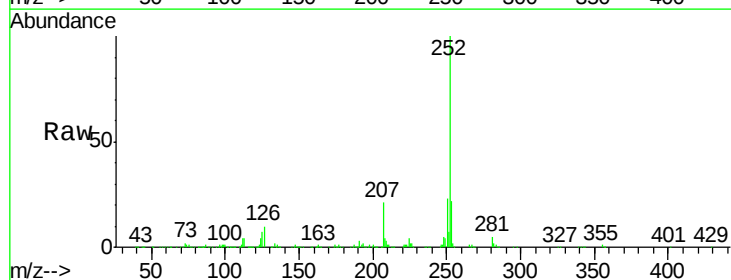
Tgt Ion:252 Resp: 591451

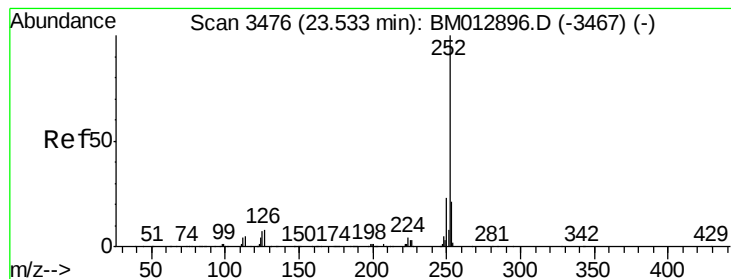
Ion Ratio Lower Upper

252 100

253 22.3 18.0 27.0

125 7.1 8.1 12.1#





#26

Benzo(a)pyrene

Concen: 19.02 ng/ul

RT: 23.53 min Scan# 3475

Delta R.T. -0.01 min

Lab File: BM012912.D

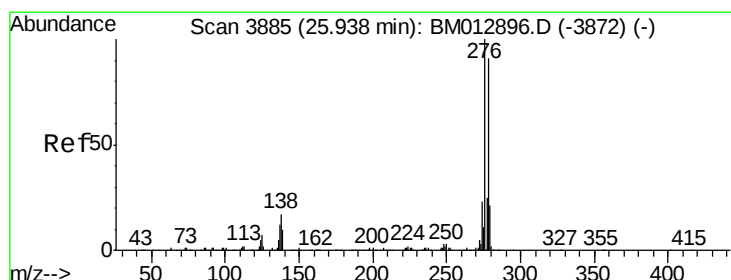
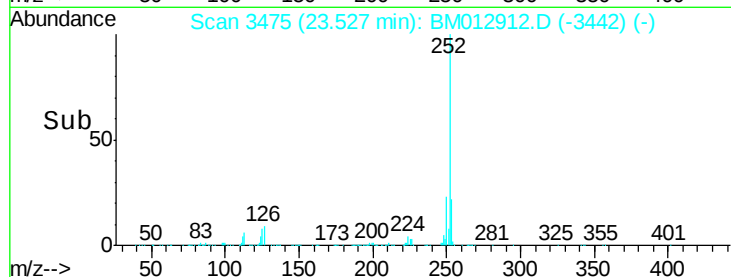
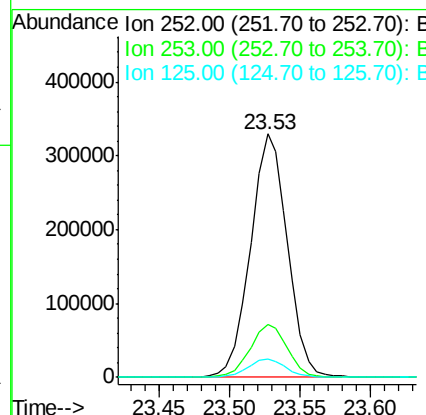
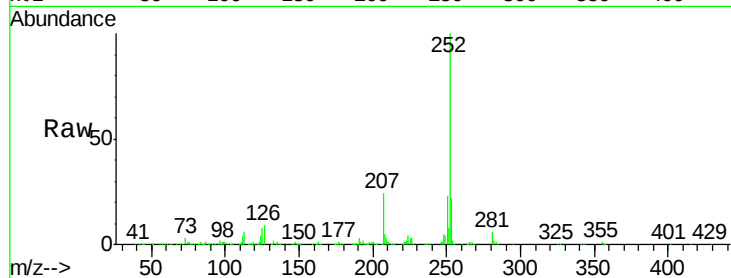
Acq: 11 Nov 2017 21:11

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	252	Resp:	596847
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.2	25.8
125	7.7	8.2	12.4#



#27

Indeno(1,2,3-cd)pyrene

Concen: 18.79 ng/ul

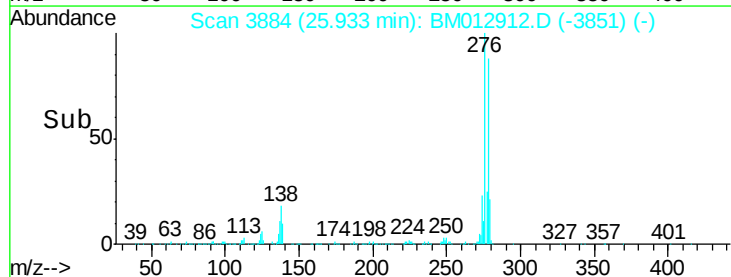
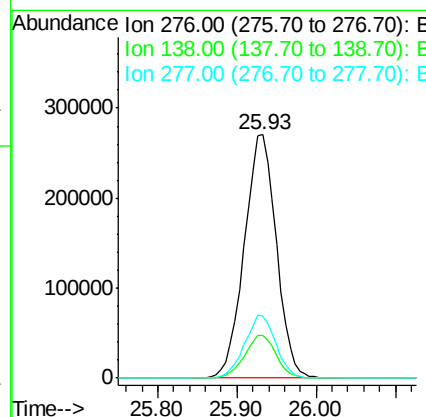
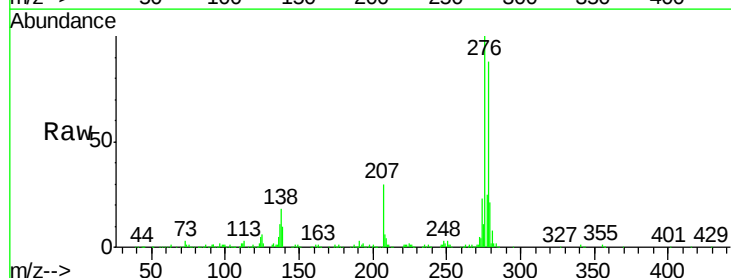
RT: 25.93 min Scan# 3884

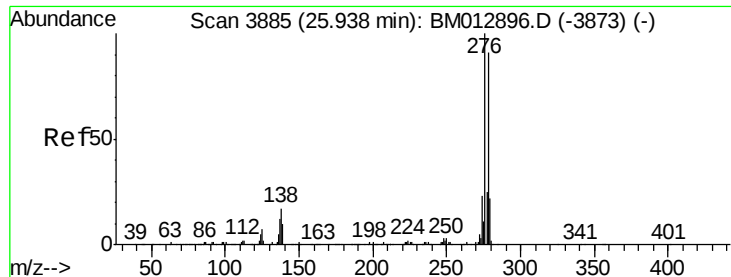
Delta R.T. -0.01 min

Lab File: BM012912.D

Acq: 11 Nov 2017 21:11

Tgt Ion:	276	Resp:	760758
Ion Ratio	Lower	Upper	
276	100		
138	17.6	14.4	21.6
277	25.3	18.0	27.0





#28

Dibenzo(a,h)anthracene

Concen: 18.88 ng/ul

RT: 25.93 min Scan# 3884

Delta R.T. -0.01 min

Lab File: BM012912.D

Acq: 11 Nov 2017 21:11

Instrument :

BNA_M

ClientSampleId :

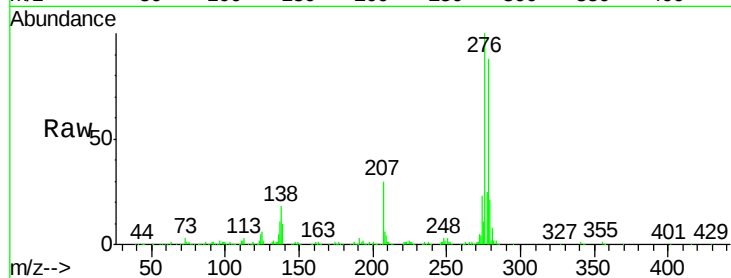
Tot Ion:278 Resp: 642436

Ion Ratio Lower Upper

278 100

139 11.9 12.2 18.4#

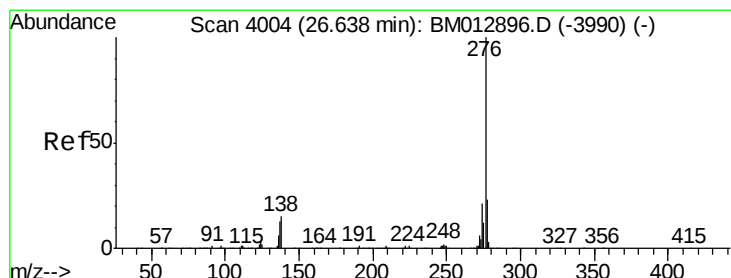
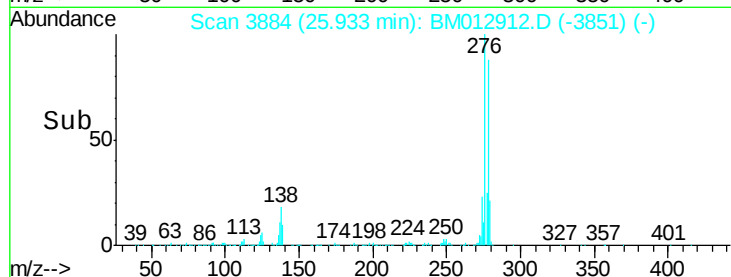
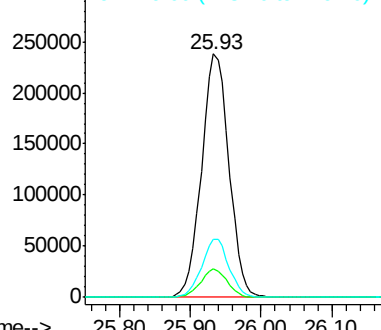
279 24.1 19.2 28.8



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: 18.72 ng/ul

RT: 26.63 min Scan# 4003

Delta R.T. -0.01 min

Lab File: BM012912.D

Acq: 11 Nov 2017 21:11

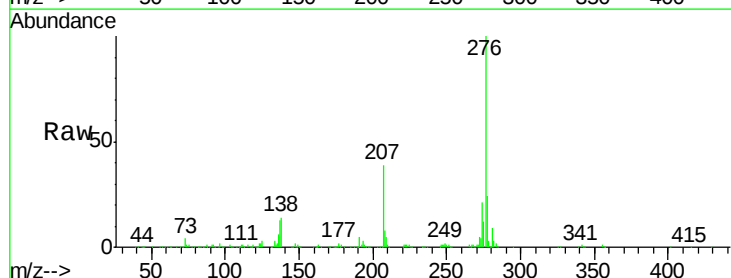
Tgt Ion:276 Resp: 632519

Ion Ratio Lower Upper

276 100

138 14.3 15.3 22.9#

277 23.8 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

