

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
 Data File : BM012896.D
 Acq On : 11 Nov 2017 11:42
 Operator : SJ/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Nov 13 00:38:17 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 13 00:36:35 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	62729	20.00	ng/ul	0.00
2) Naphthalene-d8	10.57	136	237475	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.42	164	138428	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.17	188	322371	20.00	ng/ul	0.00
17) Chrysene-d12	21.36	240	407616	20.00	ng/ul	0.00
22) Perylene-d12	23.63	264	464206	20.00	ng/ul	0.00

System Monitoring Compounds

7) Acenaphthylene-d8	14.12	160	273488	18.99	ng/ul	0.00
10) Fluorene-d10	15.42	176	188020	19.09	ng/ul	0.00
14) Anthracene-d10	17.27	188	296906	19.05	ng/ul	0.00
18) Pyrene-d10	19.56	212	334214	18.33	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.49	264	415155	18.94	ng/ul	0.00

Target Compounds

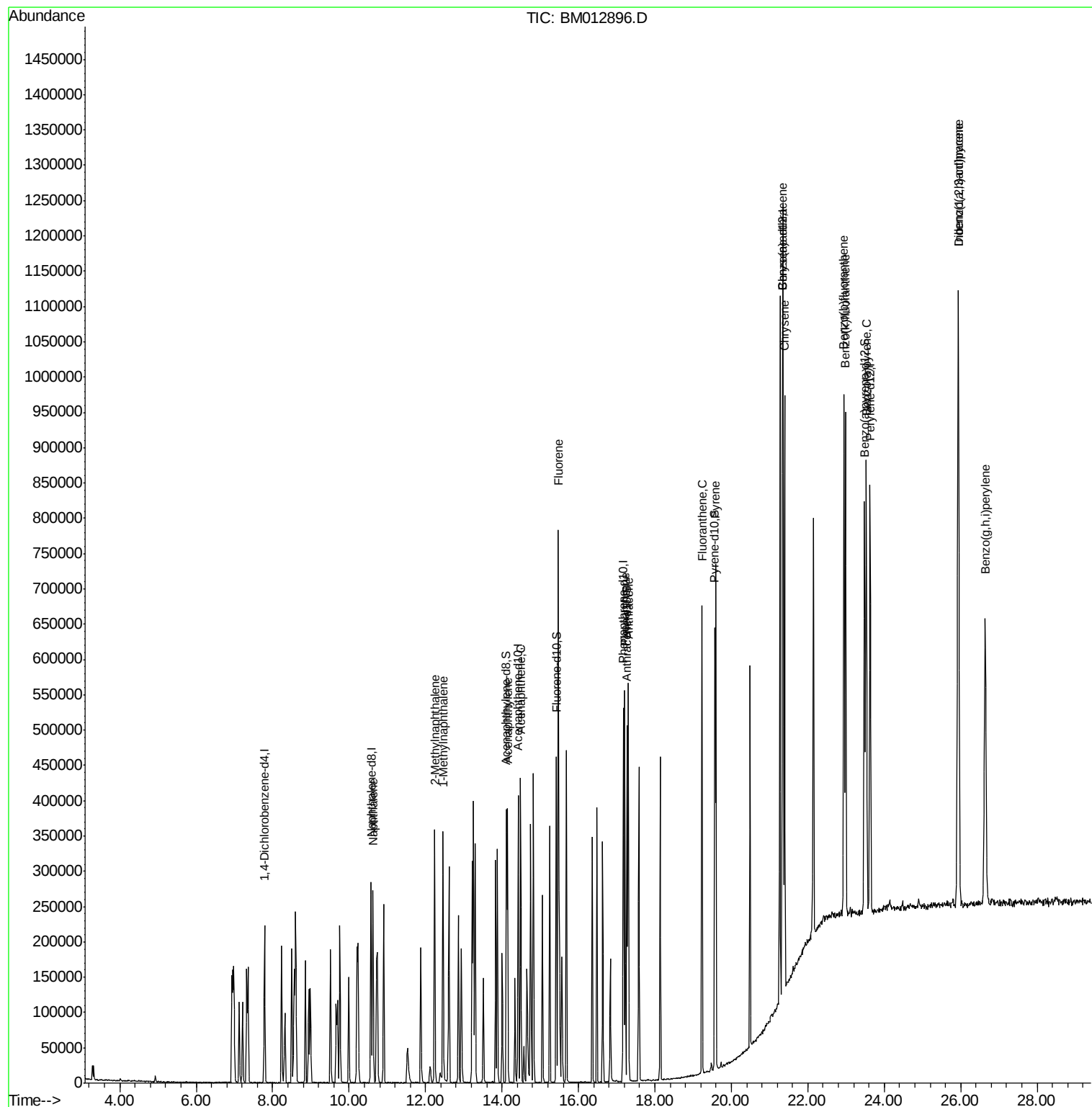
						Ovalue
3) Naphthalene	10.62	128	229393	19.08	ng/ul	99
4) 2-Methylnaphthalene	12.24	142	169687	19.16	ng/ul	99
5) 1-Methylnaphthalene	12.46	142	166027	19.13	ng/ul#	93
8) Acenaphthylene	14.15	152	268616	19.17	ng/ul	99
9) Acenaphthene	14.49	153	179708	19.15	ng/ul	96
11) Fluorene	15.47	166	217728	19.45	ng/ul	94
13) Phenanthrene	17.22	178	341069	19.15	ng/ul	99
15) Anthracene	17.30	178	355915	19.24	ng/ul	98
16) Fluoranthene	19.23	202	418099	19.09	ng/ul#	90
19) Pyrene	19.59	202	439961	18.80	ng/ul#	94
20) Benzo(a)anthracene	21.34	228	472421	18.84	ng/ul	99
21) Chrysene	21.39	228	425311	18.98	ng/ul	98
23) Benzo(b)fluoranthene	22.94	252	507226	18.37	ng/ul#	96
24) Benzo(k)fluoranthene	22.99	252	514912	19.52	ng/ul#	96
26) Benzo(a)pyrene	23.53	252	503242	18.80	ng/ul#	97
27) Indeno(1,2,3-cd)pyrene	25.94	276	641091	18.56	ng/ul	96
28) Dibenzo(a,h)anthracene	25.94	278	540068	18.61	ng/ul#	96
29) Benzo(a,h,i)perylene	26.64	276	538693	18.69	ng/ul#	95

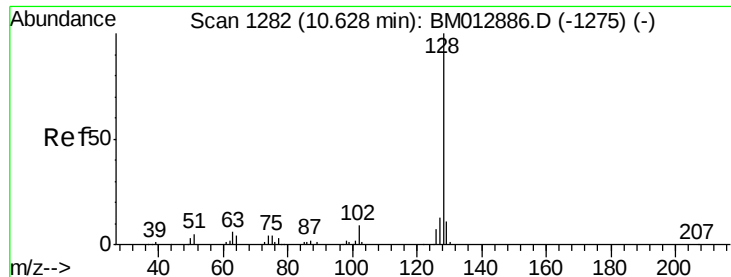
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_M
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Quant Time: Nov 13 00:38:17 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 13 00:36:35 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 19.08 ng/ul

RT: 10.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BM012896.D

Acq: 11 Nov 2017 11:42

Instrument :

BNA_M

ClientSampleId :

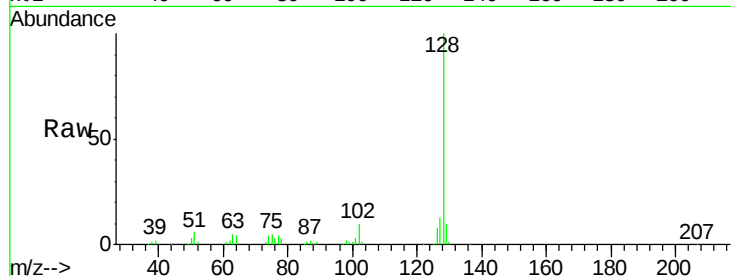
Tot Ion:128 Resp: 229393

Ion Ratio Lower Upper

128 100

129 10.4 8.7 13.1

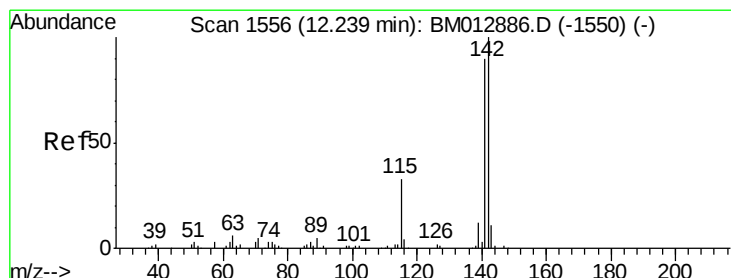
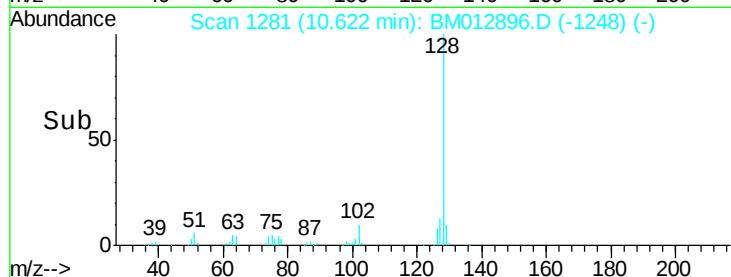
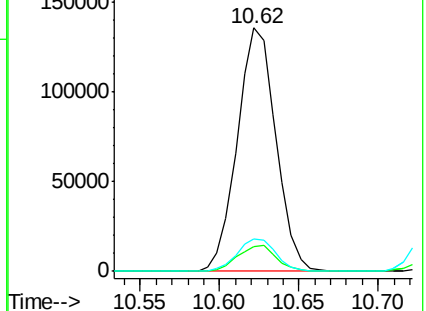
127 13.2 10.6 16.0



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: 19.16 ng/ul

RT: 12.24 min Scan# 1556

Delta R.T. 0.00 min

Lab File: BM012896.D

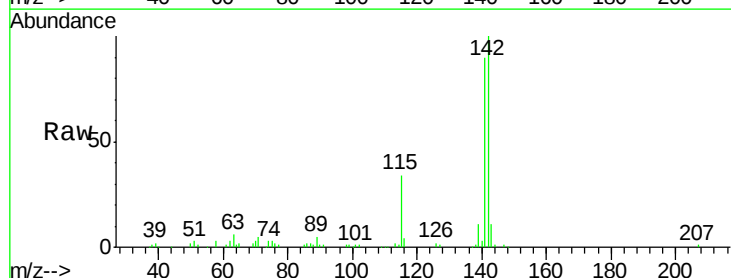
Acq: 11 Nov 2017 11:42

Tgt Ion:142 Resp: 169687

Ion Ratio Lower Upper

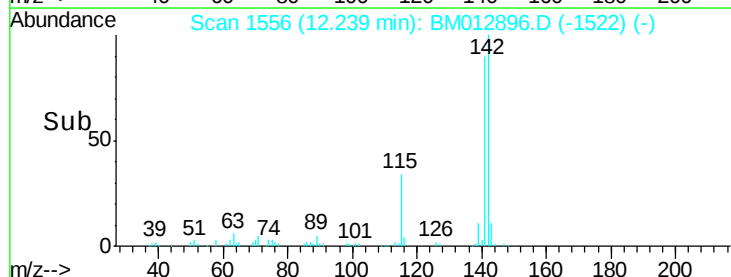
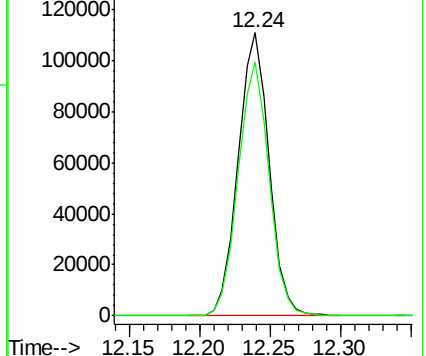
142 100

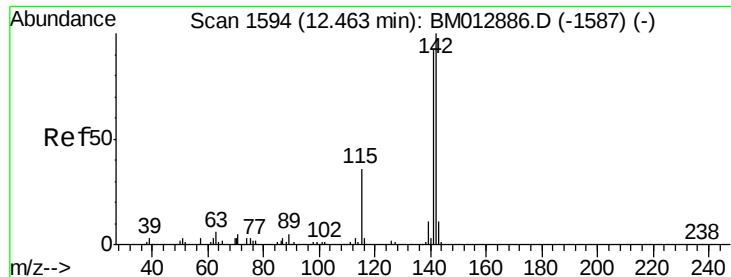
141 89.6 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 19.13 ng/ul

RT: 12.46 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BM012896.D

Acq: 11 Nov 2017 11:42

Instrument :

BNA_M

ClientSampled :

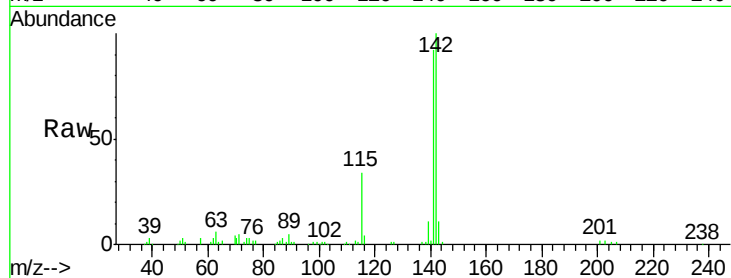
Tot Ion:142 Resp: 166027

Ion Ratio Lower Upper

142 100

141 92.5 79.3 118.9

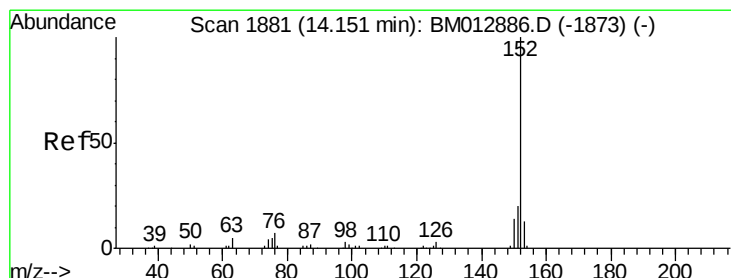
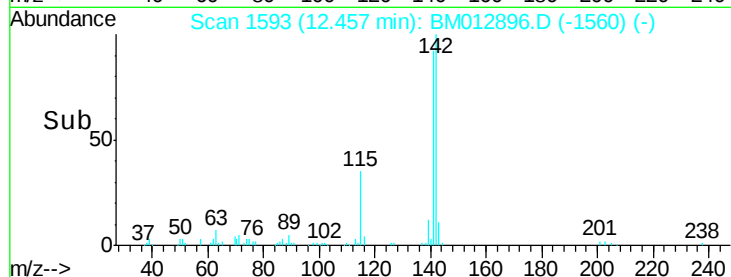
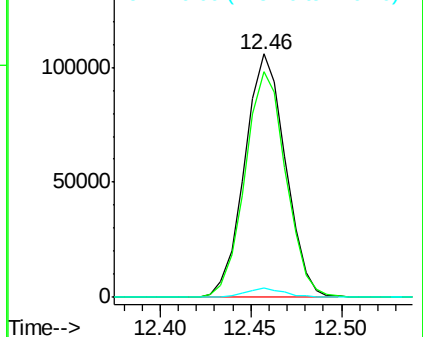
116 3.7 4.2 6.2#



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: 19.17 ng/ul

RT: 14.15 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BM012896.D

Acq: 11 Nov 2017 11:42

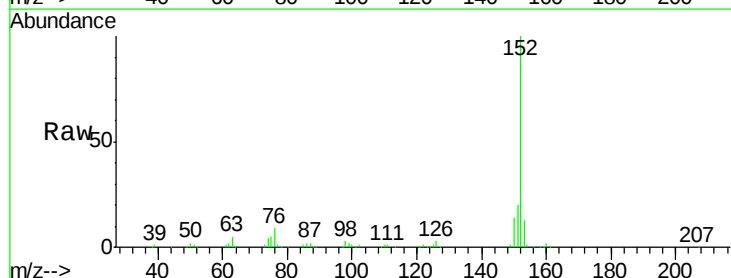
Tgt Ion:152 Resp: 268616

Ion Ratio Lower Upper

152 100

151 20.3 16.7 25.1

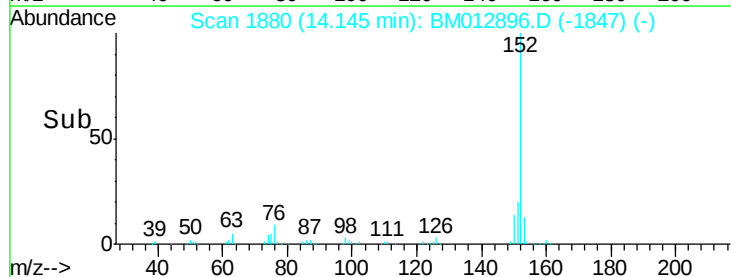
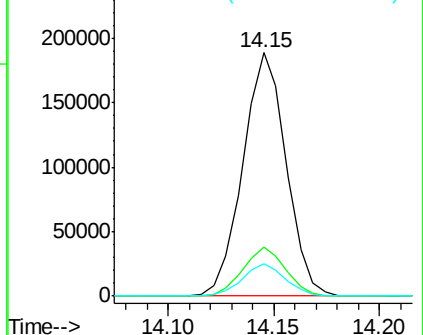
153 13.3 10.2 15.4

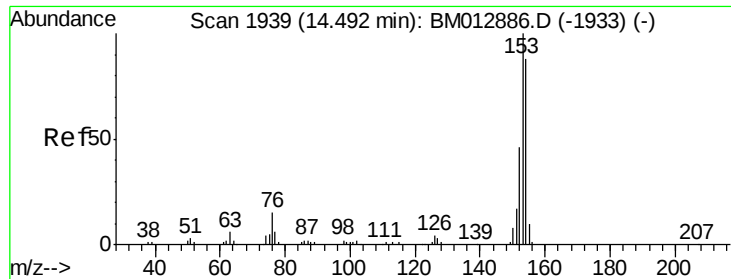


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 19.15 ng/ul

RT: 14.49 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BM012896.D

Acq: 11 Nov 2017 11:42

Instrument :

BNA_M

ClientSampleId :

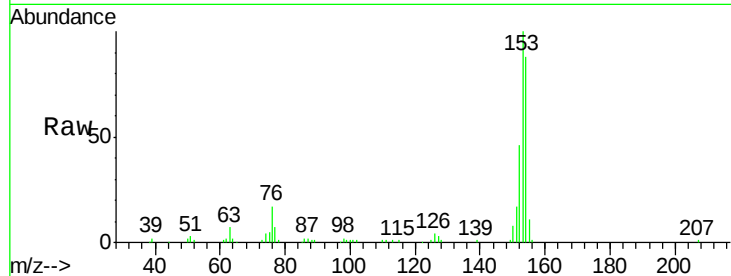
Tot Ion:153 Resp: 179708

Ion Ratio Lower Upper

153 100

152 46.1 39.0 58.6

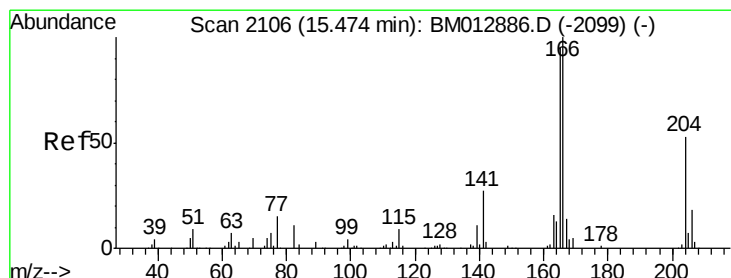
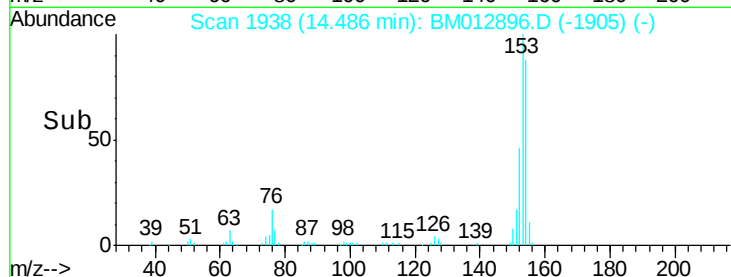
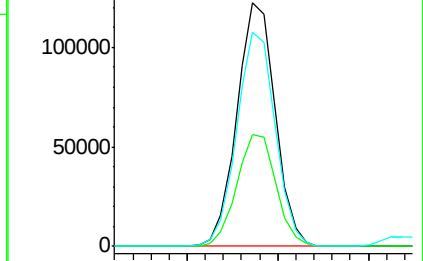
154 87.8 66.8 100.2



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: 19.45 ng/ul

RT: 15.47 min Scan# 2106

Delta R.T. 0.00 min

Lab File: BM012896.D

Acq: 11 Nov 2017 11:42

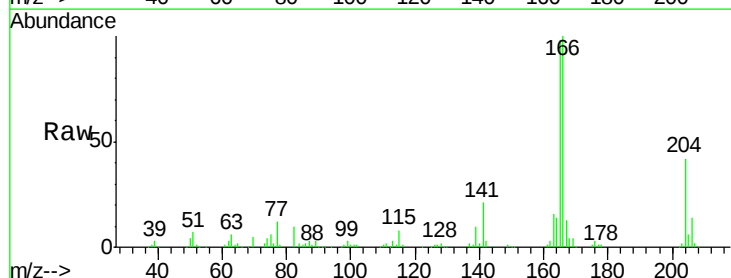
Tgt Ion:166 Resp: 217728

Ion Ratio Lower Upper

166 100

165 98.0 83.8 125.8

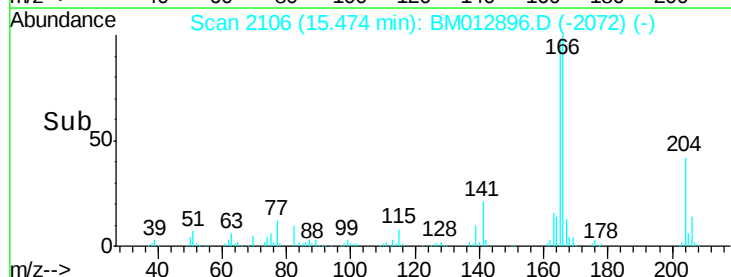
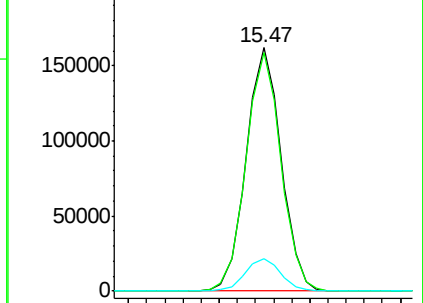
167 13.3 11.5 17.3

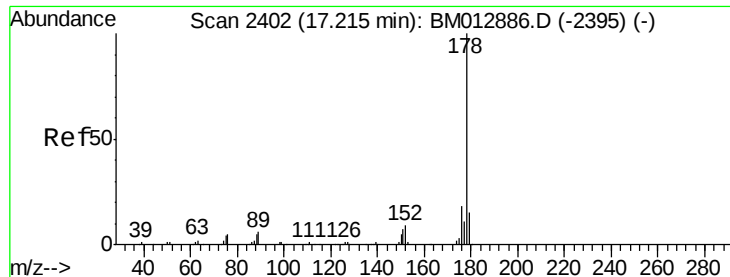


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

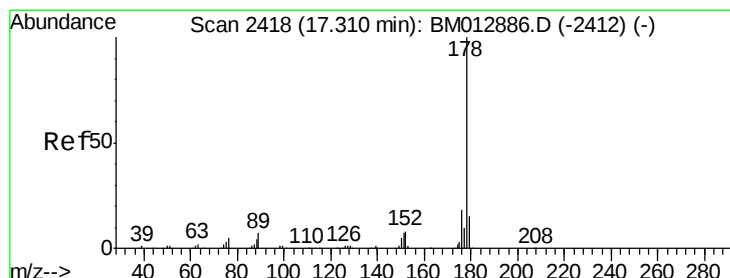
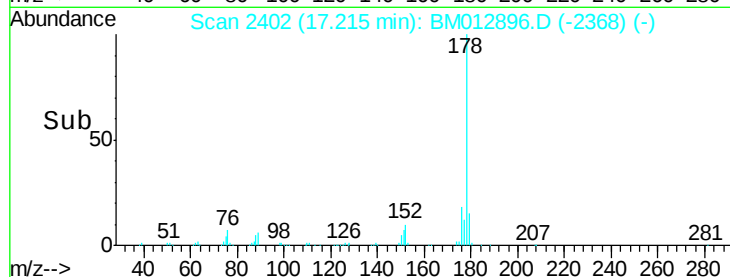
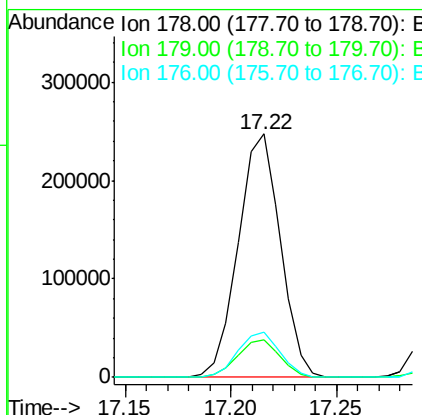
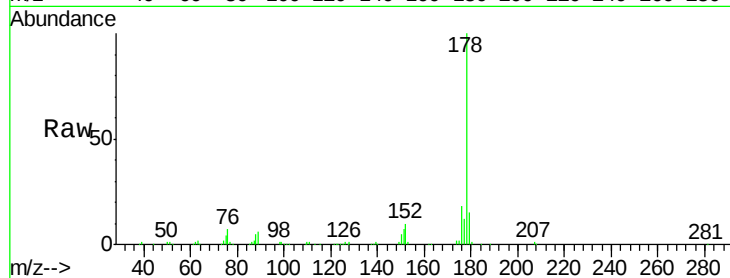




#13
Phenanthrene
Concen: 19.15 ng/ul
RT: 17.22 min Scan# 2402
Delta R.T. 0.00 min
Lab File: BM012896.D
Acq: 11 Nov 2017 11:42

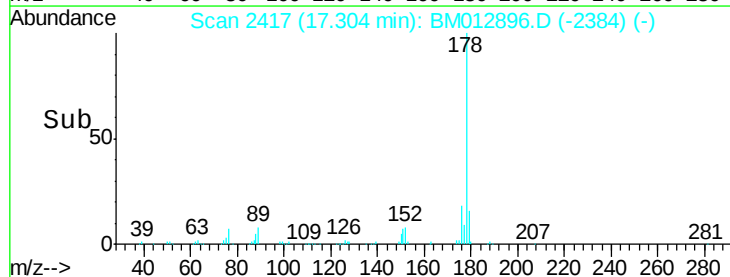
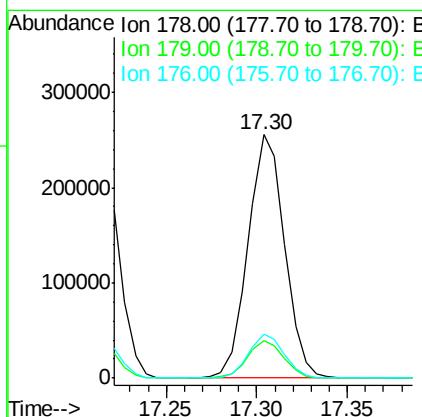
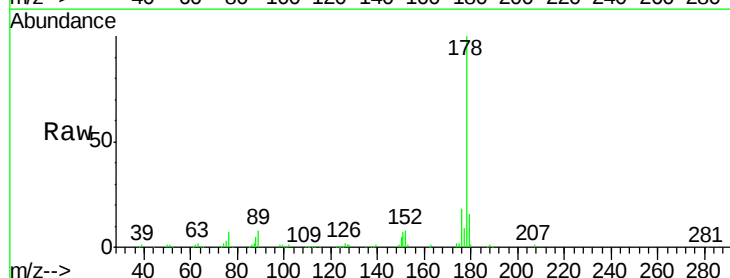
Instrument :
BNA_M
ClientSampleId :

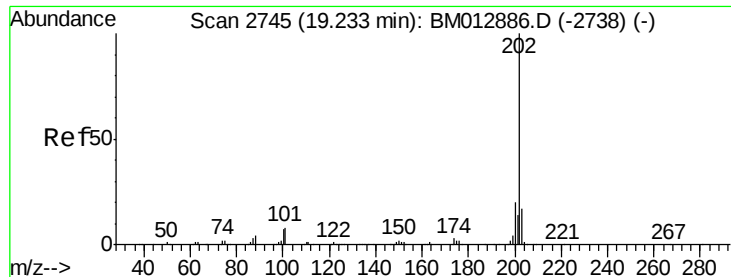
Tot Ion:178 Resp: 341069
Ion Ratio Lower Upper
178 100
179 15.3 12.3 18.5
176 18.4 15.1 22.7



#15
Anthracene
Concen: 19.24 ng/ul
RT: 17.30 min Scan# 2417
Delta R.T. -0.01 min
Lab File: BM012896.D
Acq: 11 Nov 2017 11:42

Tgt Ion:178 Resp: 355915
Ion Ratio Lower Upper
178 100
179 15.6 11.8 17.8
176 17.9 15.2 22.8

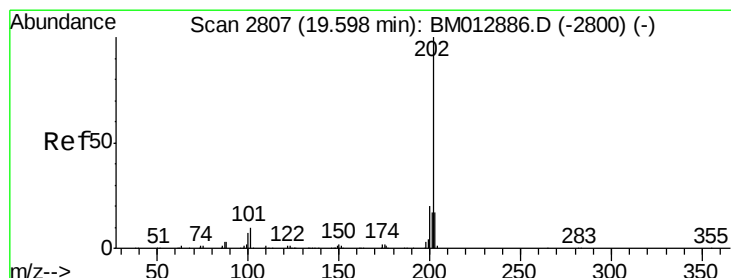
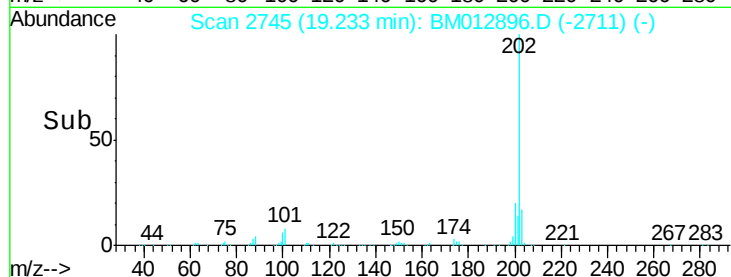
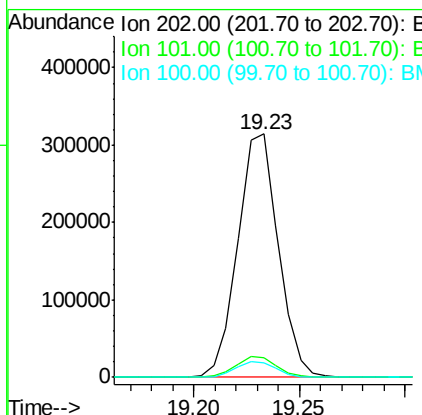
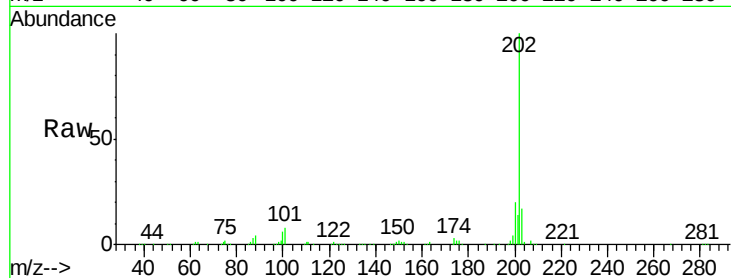




#16
Fluoranthene
 Concen: 19.09 ng/ul
 RT: 19.23 min Scan# 2745
 Delta R.T. 0.00 min
 Lab File: BM012896.D
 Acq: 11 Nov 2017 11:42

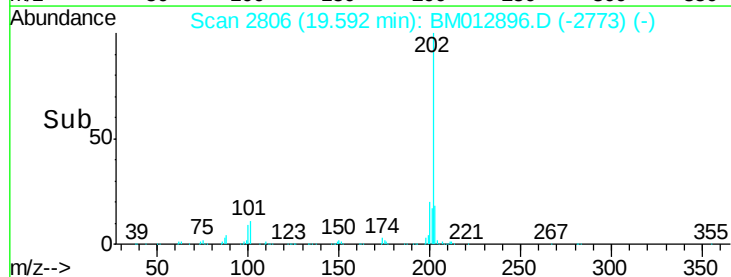
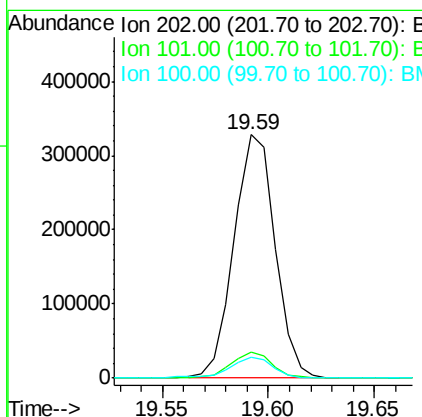
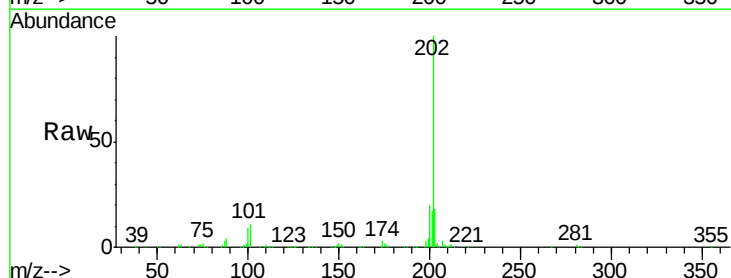
Instrument :
 BNA_M
 ClientSampleId :

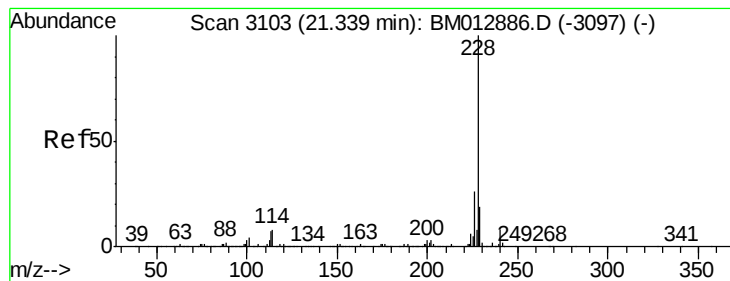
Tot Ion	Ratio	Lower	Upper
202	100		
101	8.2	9.9	14.9#
100	6.1	7.4	11.0#



#19
Pyrene
 Concen: 18.80 ng/ul
 RT: 19.59 min Scan# 2806
 Delta R.T. -0.01 min
 Lab File: BM012896.D
 Acq: 11 Nov 2017 11:42

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	11.0	16.4#
100	8.7	8.1	12.1





#20

Benzo(a)anthracene

Concen: 18.84 ng/ul

RT: 21.34 min Scan# 3103

Delta R.T. 0.00 min

Lab File: BM012896.D

Acq: 11 Nov 2017 11:42

Instrument :

BNA_M

ClientSampled :

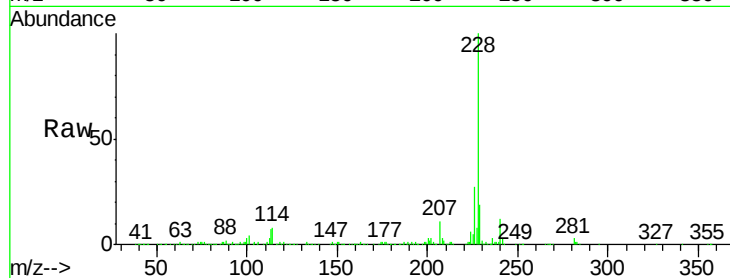
Tot Ion:228 Resp: 472421

Ion Ratio Lower Upper

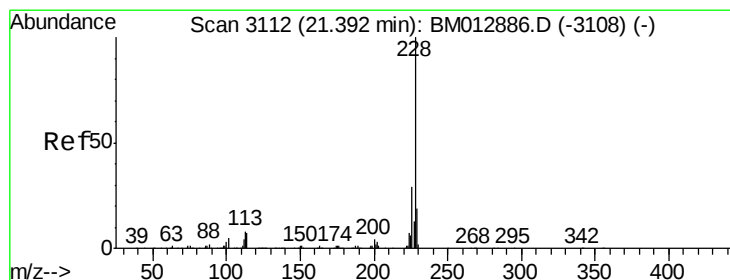
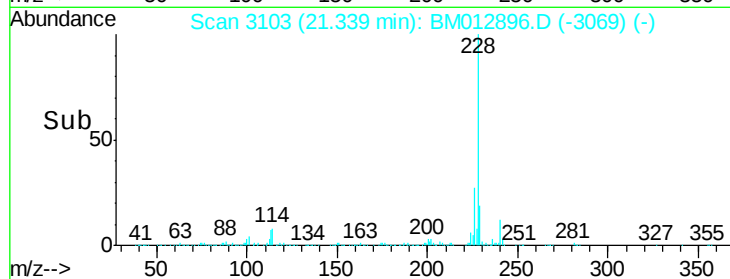
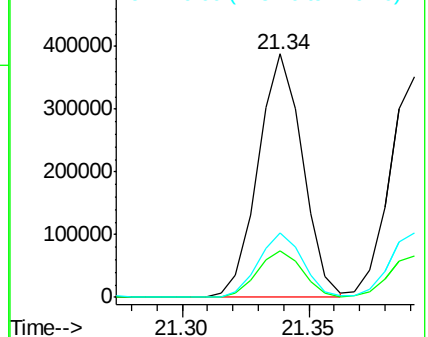
228 100

229 19.2 15.7 23.5

226 26.6 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: 18.98 ng/ul

RT: 21.39 min Scan# 3112

Delta R.T. 0.00 min

Lab File: BM012896.D

Acq: 11 Nov 2017 11:42

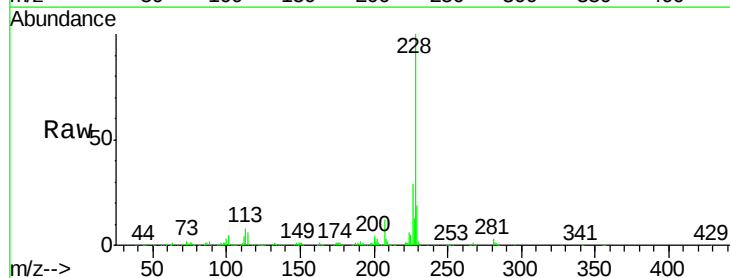
Tgt Ion:228 Resp: 425311

Ion Ratio Lower Upper

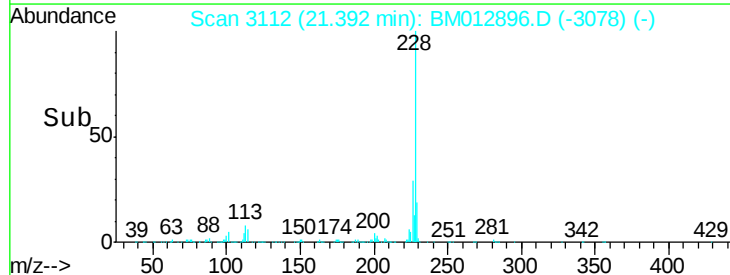
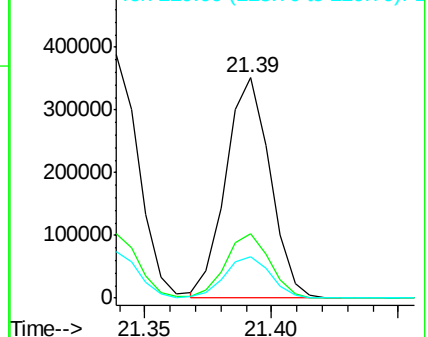
228 100

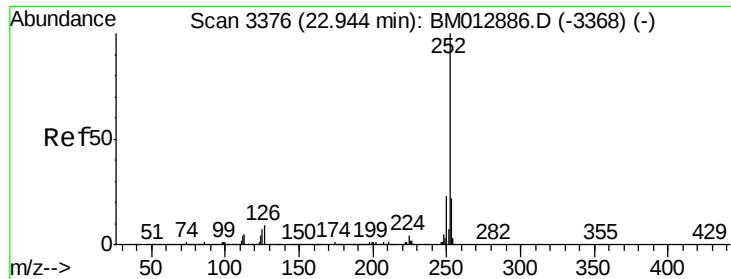
226 29.1 24.5 36.7

229 19.0 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

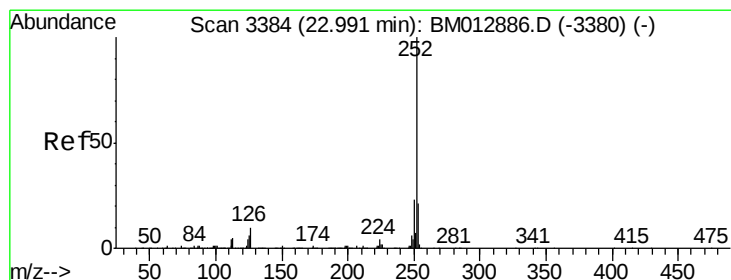
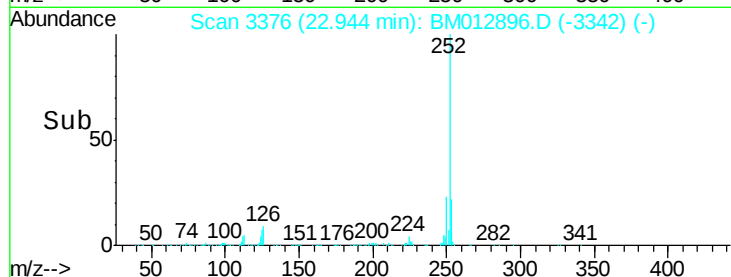
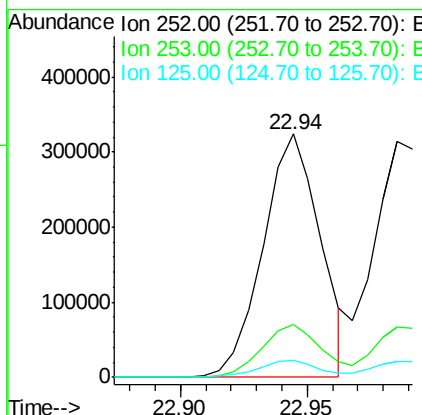
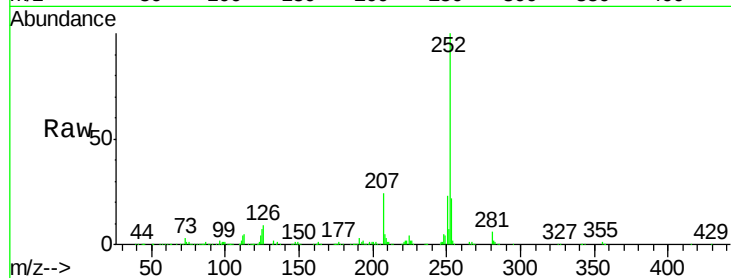




#23
Benzo(b)fluoranthene
Concen: 18.37 ng/ul
RT: 22.94 min Scan# 3376
Delta R.T. 0.00 min
Lab File: BM012896.D
Acq: 11 Nov 2017 11:42

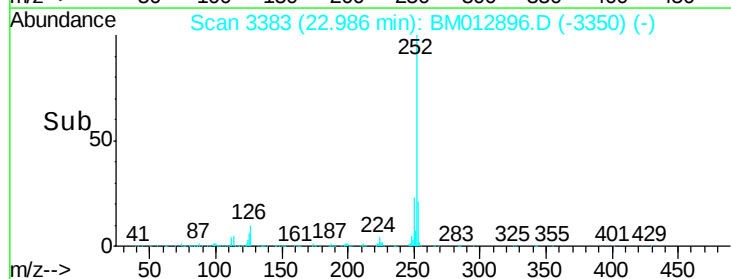
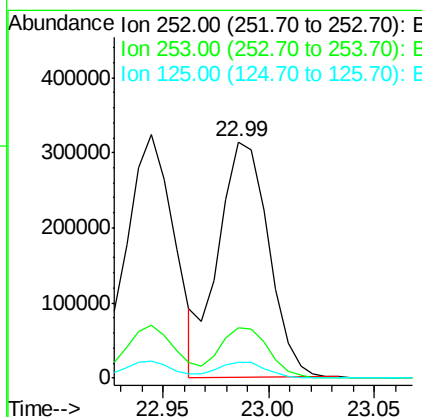
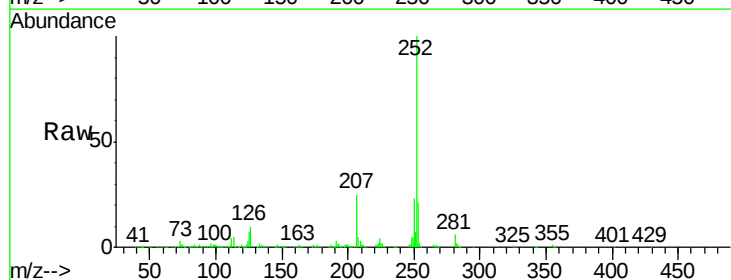
Instrument :
BNA_M
ClientSampleId :

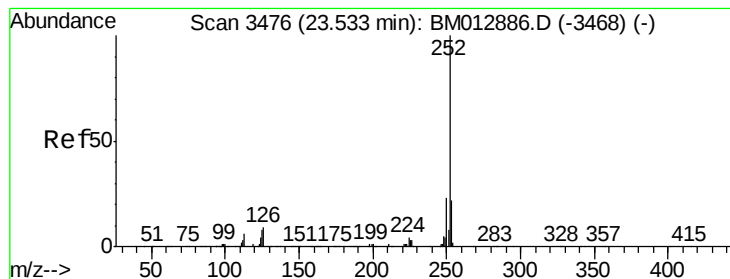
Tot Ion:252 Resp: 507226
Ion Ratio Lower Upper
252 100
253 21.7 18.0 27.0
125 7.0 8.0 12.0#



#24
Benzo(k)fluoranthene
Concen: 19.52 ng/ul
RT: 22.99 min Scan# 3383
Delta R.T. -0.01 min
Lab File: BM012896.D
Acq: 11 Nov 2017 11:42

Tgt Ion:252 Resp: 514912
Ion Ratio Lower Upper
252 100
253 21.4 18.0 27.0
125 6.6 8.1 12.1#





#26

Benzo(a)pyrene

Concen: 18.80 ng/ul

RT: 23.53 min Scan# 3476

Delta R.T. 0.00 min

Lab File: BM012896.D

Acq: 11 Nov 2017 11:42

Instrument :

BNA_M

ClientSampleId :

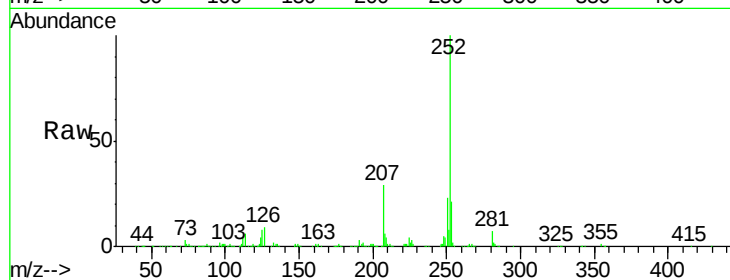
Tot Ion:252 Resp: 503242

Ion Ratio Lower Upper

252 100

253 21.3 17.2 25.8

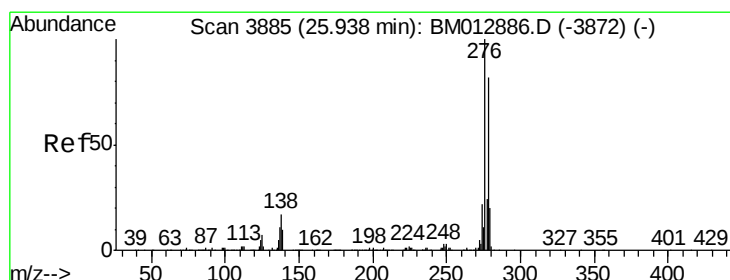
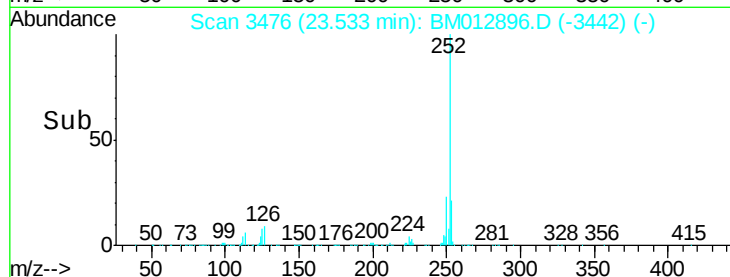
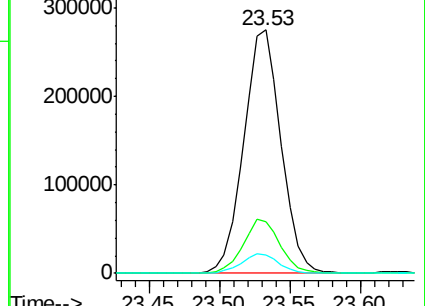
125 7.6 8.2 12.4#



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: 18.56 ng/ul

RT: 25.94 min Scan# 3885

Delta R.T. 0.00 min

Lab File: BM012896.D

Acq: 11 Nov 2017 11:42

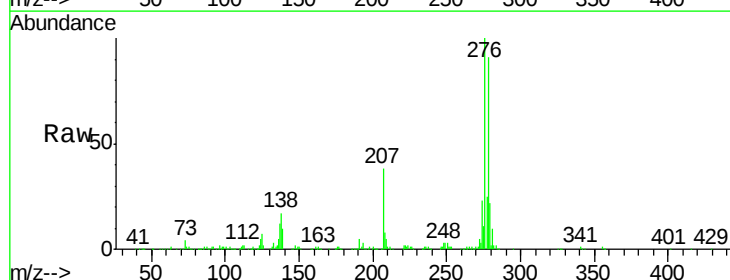
Tgt Ion:276 Resp: 641091

Ion Ratio Lower Upper

276 100

138 17.4 14.4 21.6

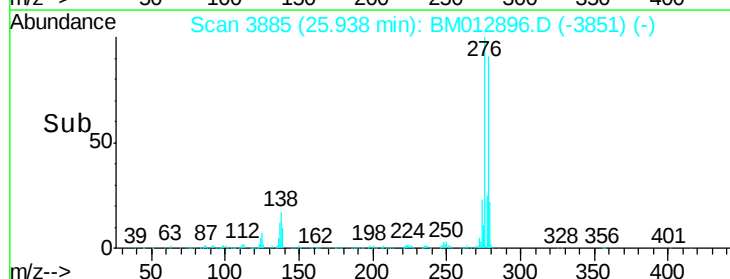
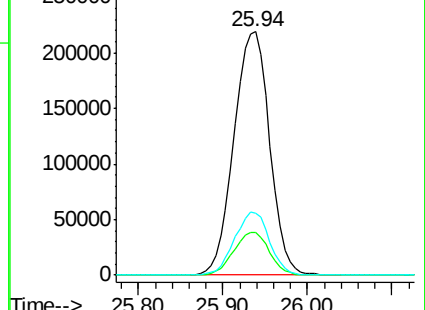
277 25.4 18.0 27.0

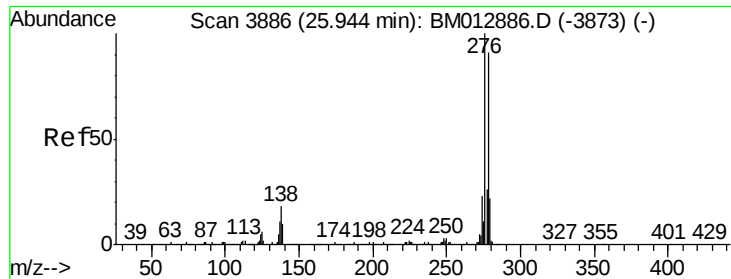


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 18.61 ng/ul

RT: 25.94 min Scan# 3885

Delta R.T. -0.01 min

Lab File: BM012896.D

Acq: 11 Nov 2017 11:42

Instrument :

BNA_M

ClientSampled :

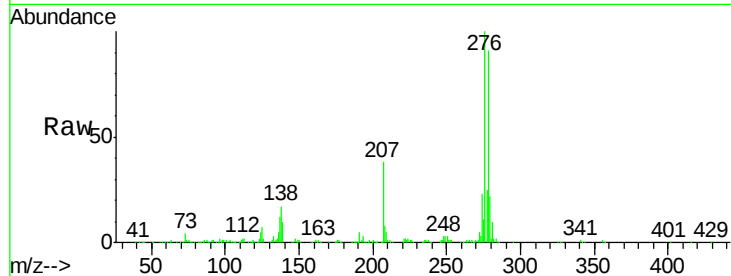
Tot Ion:278 Resp: 540068

Ion Ratio Lower Upper

278 100

139 11.3 12.2 18.4#

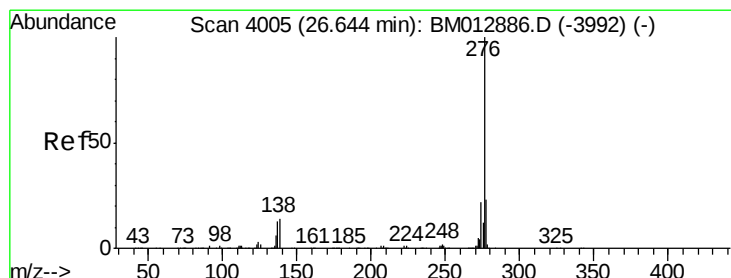
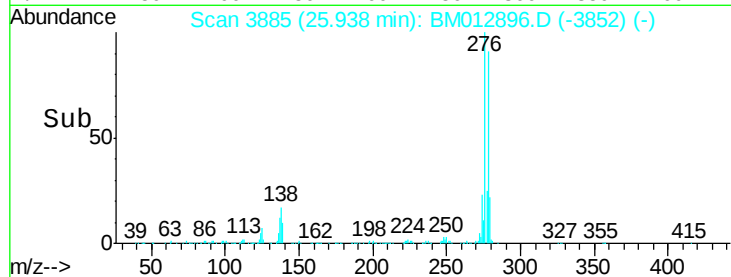
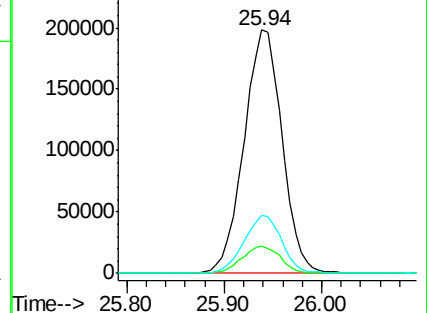
279 23.8 19.2 28.8



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: 18.69 ng/ul

RT: 26.64 min Scan# 4004

Delta R.T. -0.01 min

Lab File: BM012896.D

Acq: 11 Nov 2017 11:42

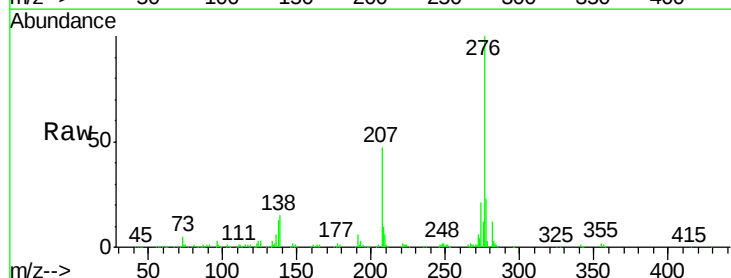
Tgt Ion:276 Resp: 538693

Ion Ratio Lower Upper

276 100

138 14.6 15.3 22.9#

277 23.4 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

