

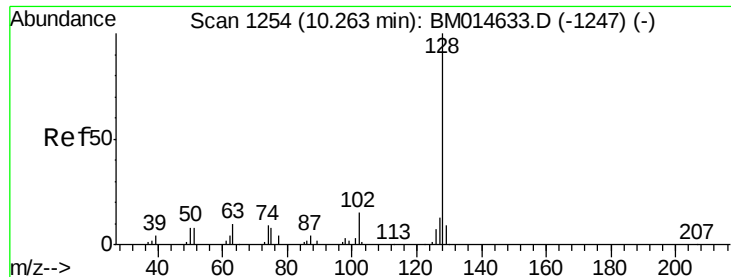
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM032218\
 Data File : BM014651.D
 Acq On : 22 Mar 2018 10:02
 Operator : SJ/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 22 18:16:59 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM031518-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 22 01:49:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	189743	20.00	ng/ul	0.00
2) Naphthalene-d8	10.21	136	376334	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.11	164	204923	20.00	ng/ul	-0.01
12) Phenanthrene-d10	16.88	188	455394	20.00	ng/ul	0.00
18) Chrysene-d12	21.10	240	335869	20.00	ng/ul	-0.01
23) Perylene-d12	23.27	264	316807	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	9.88	165	108981	18.74	ng/ul	0.00
7) Acenaphthylene-d8	13.80	160	418675	19.12	ng/ul	0.00
10) Fluorene-d10	15.12	176	268385	18.71	ng/ul	0.00
15) Anthracene-d10	16.98	188	398846	18.29	ng/ul	0.00
19) Pyrene-d10	19.30	212	410537	20.33	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.13	264	291759	19.04	ng/ul	-0.01
Target Compounds				Qvalue		
4) Naphthalene	10.26	128	366266	19.162	ng/ul	98
5) 2-Methylnaphthalene	11.89	142	247309	18.491	ng/ul	97
8) Acenaphthylene	13.83	152	387192	19.047	ng/ul	99
9) Acenaphthene	14.17	153	258337	18.570	ng/ul	98
11) Fluorene	15.17	166	302683	18.361	ng/ul	99
14) Phenanthrene	16.92	178	465443	18.250	ng/ul	98
16) Anthracene	17.02	178	466762	18.309	ng/ul	99
17) Fluoranthene	18.96	202	543800	18.785	ng/ul#	97
20) Pyrene	19.33	202	517199	20.475	ng/ul	98
21) Benzo(a)anthracene	21.09	228	419153	19.734	ng/ul	99
22) Chrysene	21.14	228	384236	19.675	ng/ul	97
24) Benzo(b)fluoranthene	22.63	252	384053	19.282	ng/ul	97
25) Benzo(k)fluoranthene	22.63	252	384053	20.296	ng/ul	99
27) Benzo(a)pyrene	23.17	252	354305	18.741	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	25.41	276	405551	18.638	ng/ul	99
29) Dibenzo(a,h)anthracene	25.41	278	335887	18.443	ng/ul	97
30) Benzo(g,h,i)perylene	26.07	276	326338	18.828	ng/ul	99

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



#4

Naphthalene

Concen: 19.162 ng/ul

RT: 10.26 min Scan# 1254

Delta R.T. -0.00 min

Lab File: BM014651.D

Acq: 22 Mar 2018 10:02

Instrument :

BNA_M

ClientSampleId :

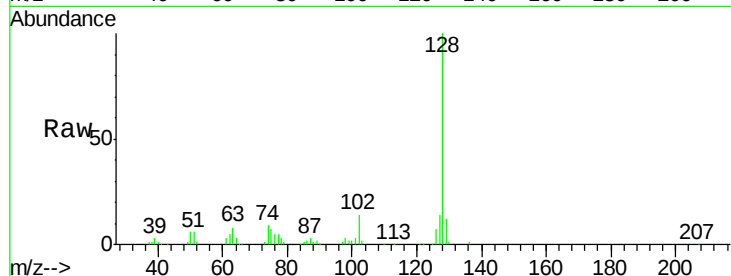
Tot Ion:128 Resp: 366266

Ion Ratio Lower Upper

128 100

129 11.7 8.8 13.2

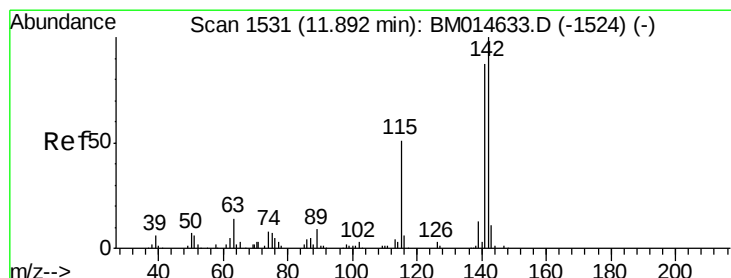
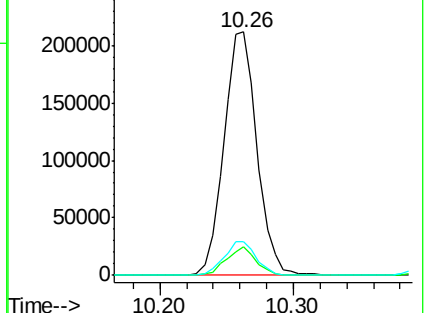
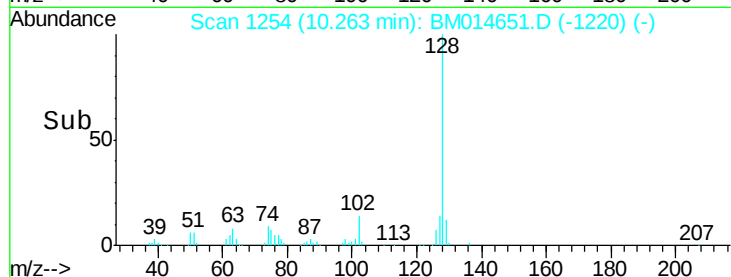
127 13.9 10.6 16.0



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



#5

2-Methylnaphthalene

Concen: 18.491 ng/ul

RT: 11.89 min Scan# 1531

Delta R.T. -0.00 min

Lab File: BM014651.D

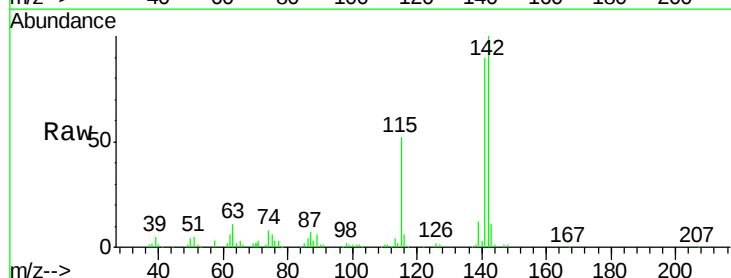
Acq: 22 Mar 2018 10:02

Tgt Ion:142 Resp: 247309

Ion Ratio Lower Upper

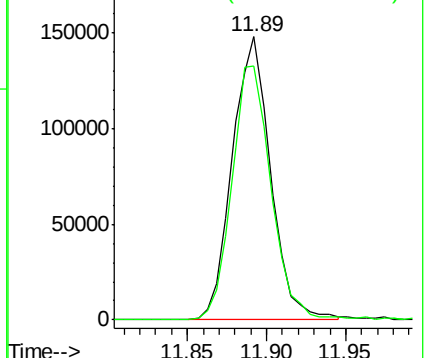
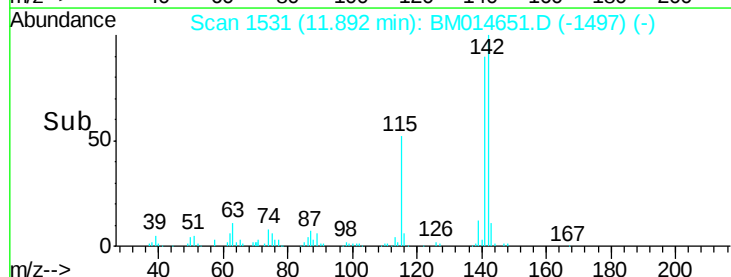
142 100

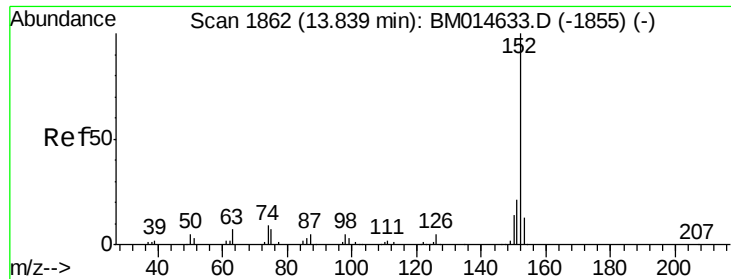
141 89.7 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 19.047 ng/ul

RT: 13.83 min Scan# 1861

Delta R.T. -0.01 min

Lab File: BM014651.D

Acq: 22 Mar 2018 10:02

Instrument :

BNA_M

ClientSampleId :

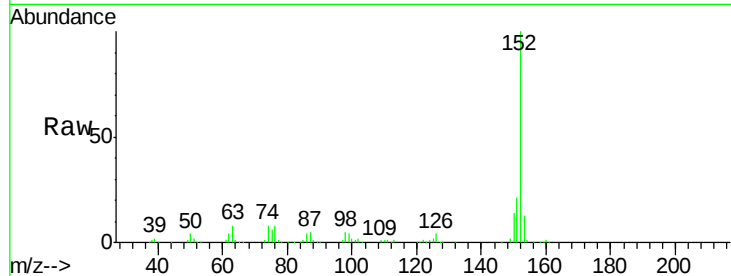
Tot Ion:152 Resp: 387192

Ion Ratio Lower Upper

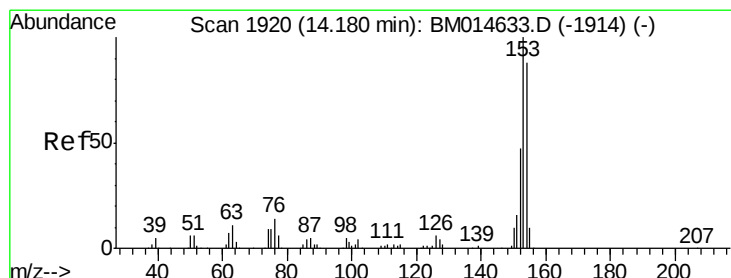
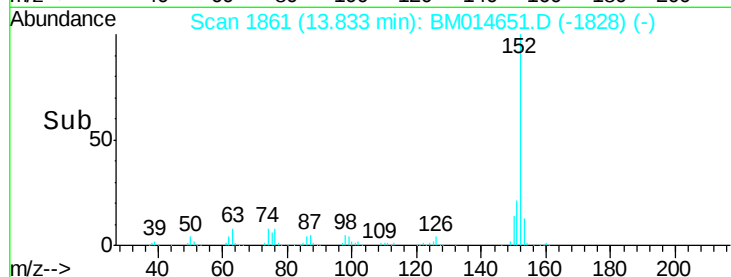
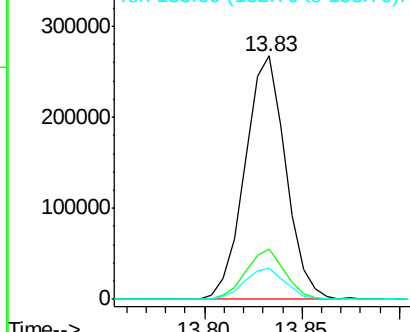
152 100

151 20.8 16.3 24.5

153 12.5 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: 18.570 ng/ul

RT: 14.17 min Scan# 1919

Delta R.T. -0.01 min

Lab File: BM014651.D

Acq: 22 Mar 2018 10:02

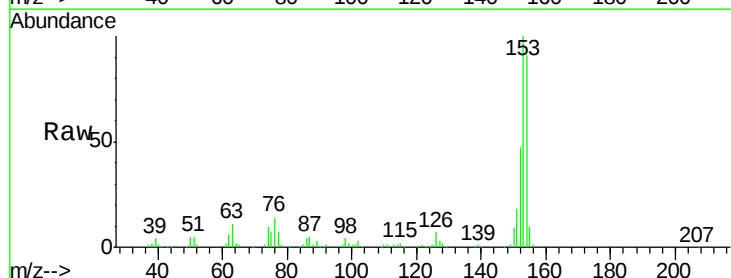
Tgt Ion:153 Resp: 258337

Ion Ratio Lower Upper

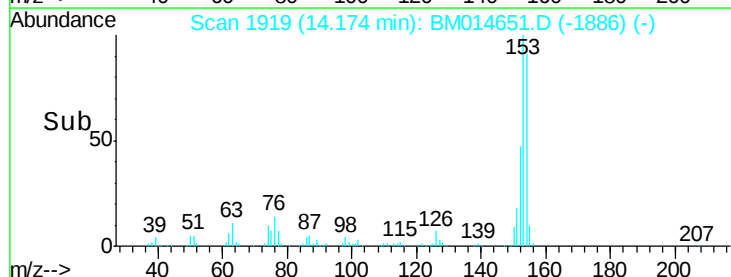
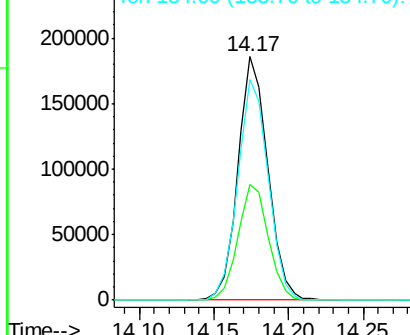
153 100

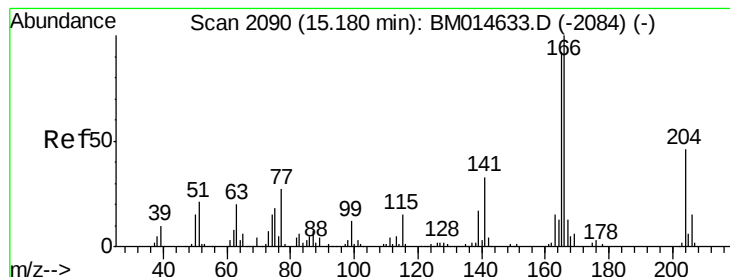
152 47.4 37.6 56.4

154 90.7 70.4 105.6



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: 18.361 ng/ul

RT: 15.17 min Scan# 2089

Delta R.T. -0.01 min

Lab File: BM014651.D

Acq: 22 Mar 2018 10:02

Instrument :

BNA_M

ClientSampleId :

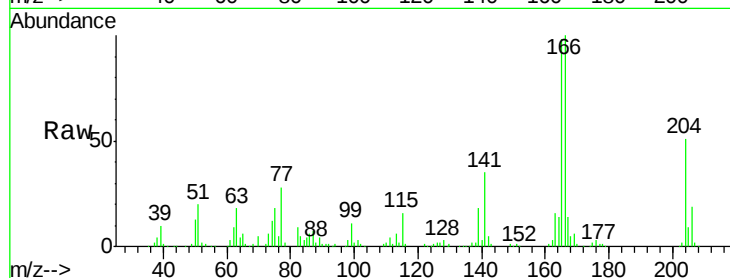
Tot Ion:166 Resp: 302683

Ion Ratio Lower Upper

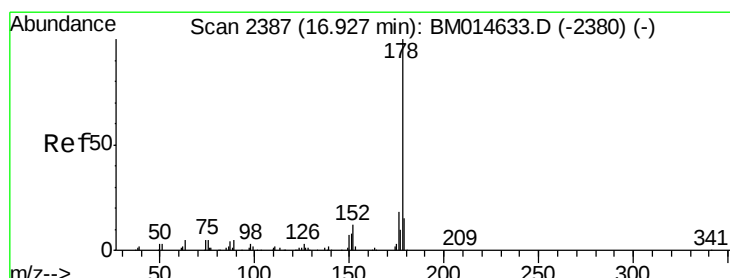
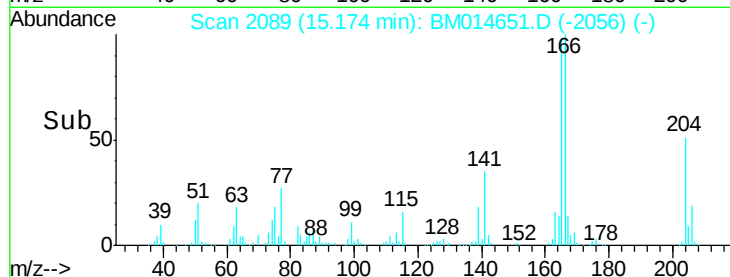
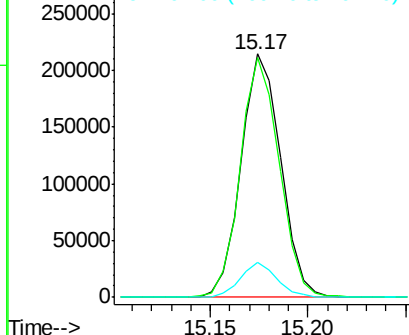
166 100

165 98.4 77.9 116.9

167 14.4 10.6 16.0



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



#14

Phenanthrene

Concen: 18.250 ng/ul

RT: 16.92 min Scan# 2386

Delta R.T. -0.01 min

Lab File: BM014651.D

Acq: 22 Mar 2018 10:02

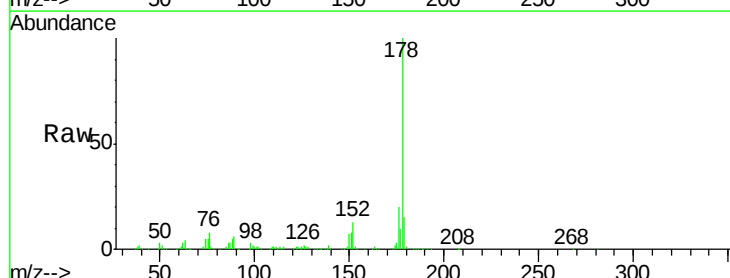
Tgt Ion:178 Resp: 465443

Ion Ratio Lower Upper

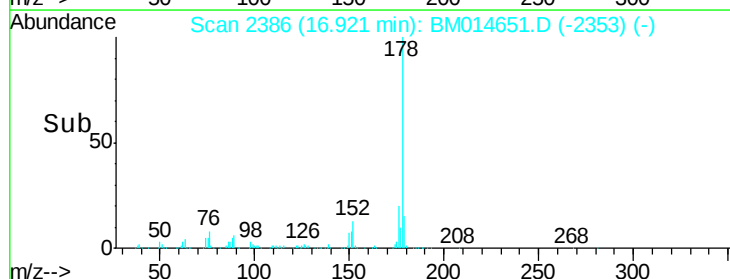
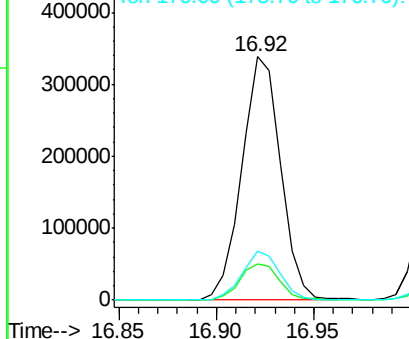
178 100

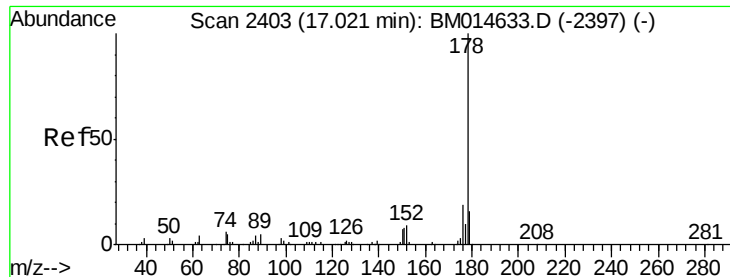
179 15.1 12.6 19.0

176 20.0 14.9 22.3



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

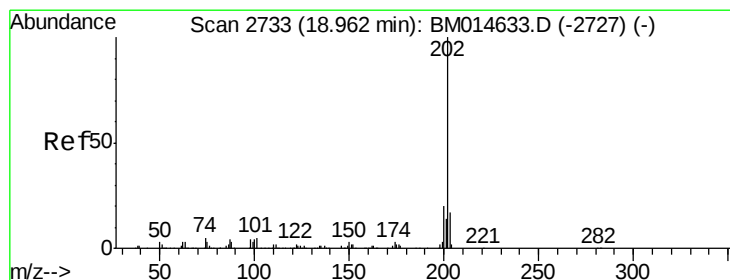
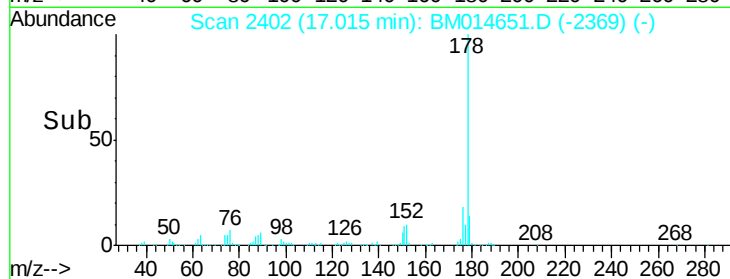
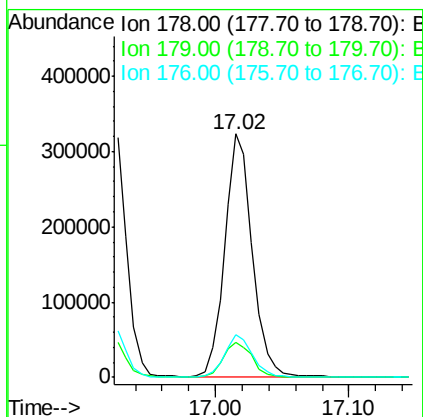
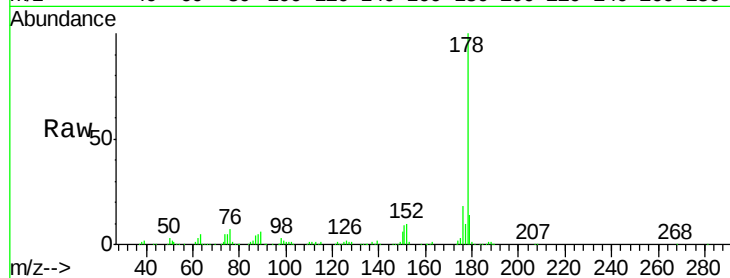




#16
 Anthracene
 Concen: 18.309 ng/ul
 RT: 17.02 min Scan# 2402
 Delta R.T. -0.01 min
 Lab File: BM014651.D
 Acq: 22 Mar 2018 10:02

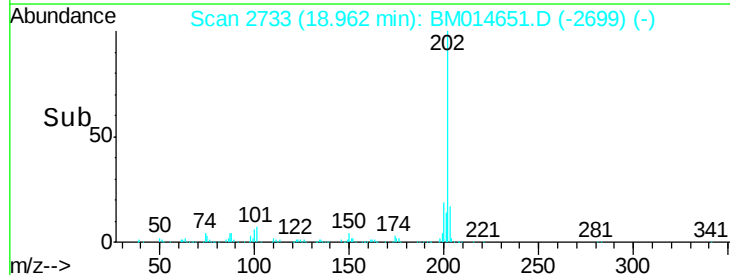
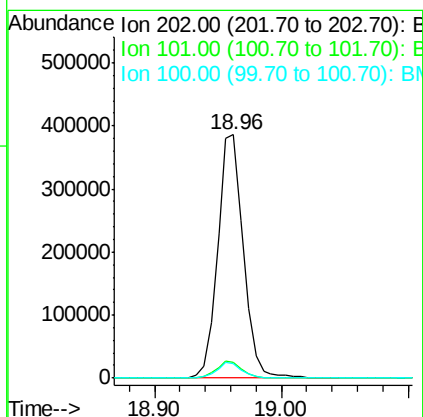
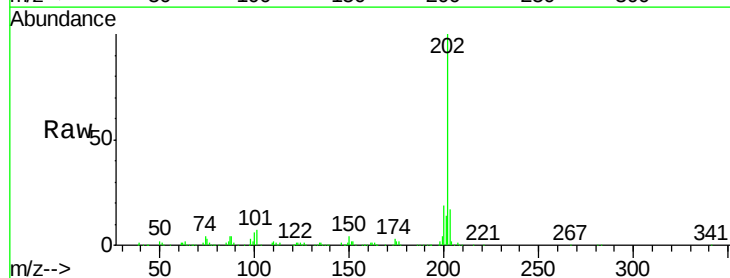
Instrument :
 BNA_M
 ClientSampleId :

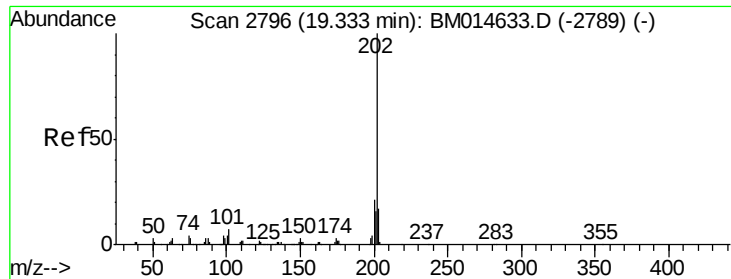
Tot Ion:178 Resp: 466762
 Ion Ratio Lower Upper
 178 100
 179 14.3 11.7 17.5
 176 17.6 14.6 21.8



#17
 Fluoranthene
 Concen: 18.785 ng/ul
 RT: 18.96 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: BM014651.D
 Acq: 22 Mar 2018 10:02

Tgt Ion:202 Resp: 543800
 Ion Ratio Lower Upper
 202 100
 101 6.6 4.6 7.0
 100 6.0 3.4 5.2#

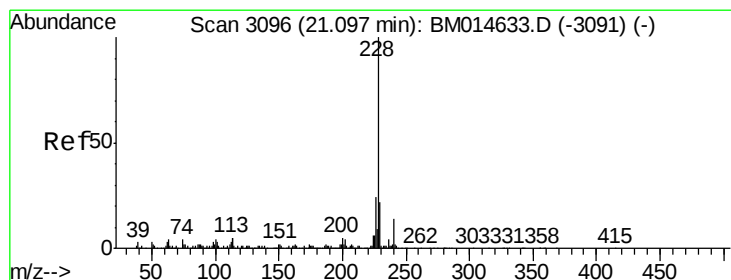
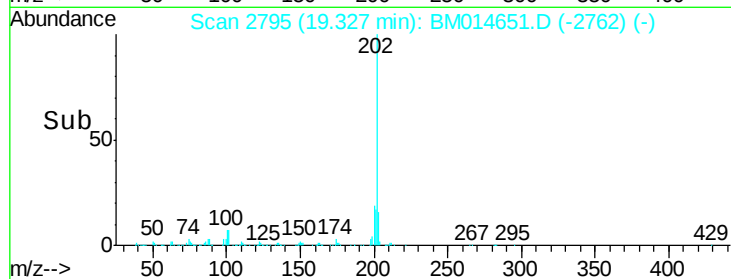
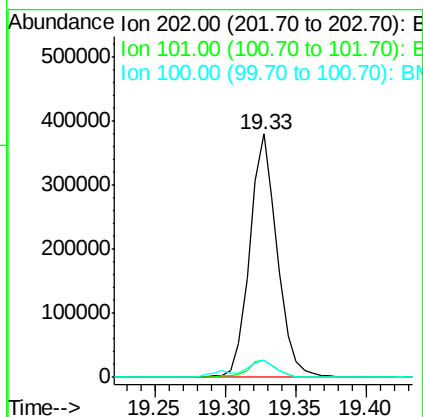
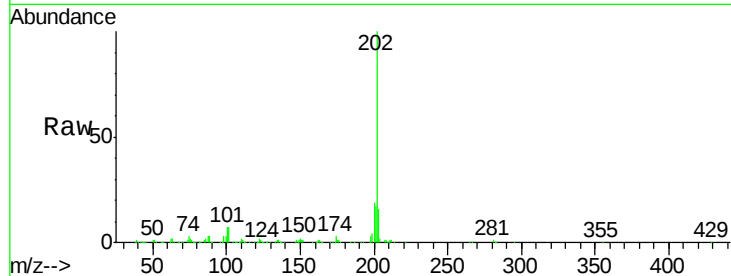




#20
Pvrene
Concen: 20.475 ng/ul
RT: 19.33 min Scan# 2795
Delta R.T. -0.01 min
Lab File: BM014651.D
Acq: 22 Mar 2018 10:02

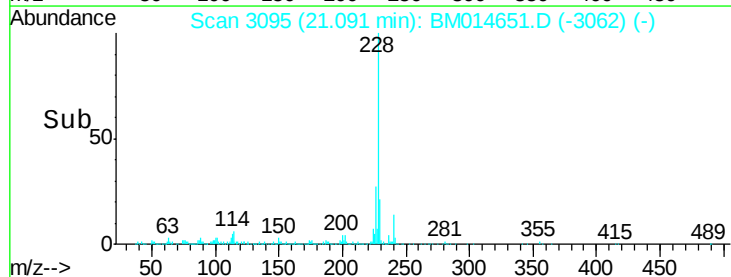
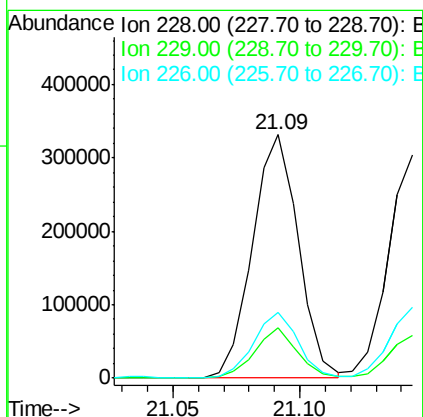
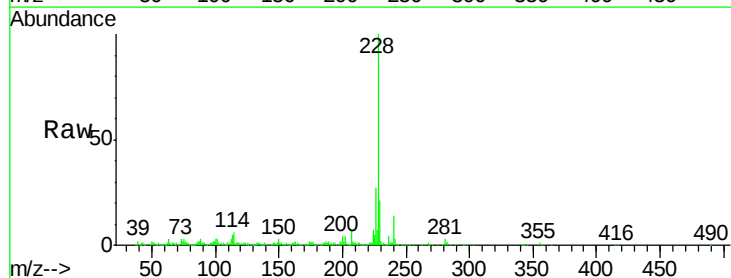
Instrument :
BNA_M
ClientSampleId :

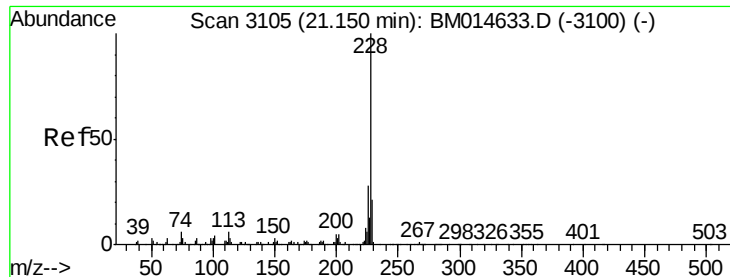
Tot Ion	Ratio	Lower	Upper
202	100		
101	7.1	5.1	7.7
100	6.9	4.9	7.3



#21
Benzo(a)anthracene
Concen: 19.734 ng/ul
RT: 21.09 min Scan# 3095
Delta R.T. -0.01 min
Lab File: BM014651.D
Acq: 22 Mar 2018 10:02

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.4	23.0
226	26.8	21.4	32.0





#22

Chrysene

Concen: 19.675 ng/ul

RT: 21.14 min Scan# 3104

Delta R.T. -0.01 min

Lab File: BM014651.D

Acq: 22 Mar 2018 10:02

Instrument :

BNA_M

ClientSampled :

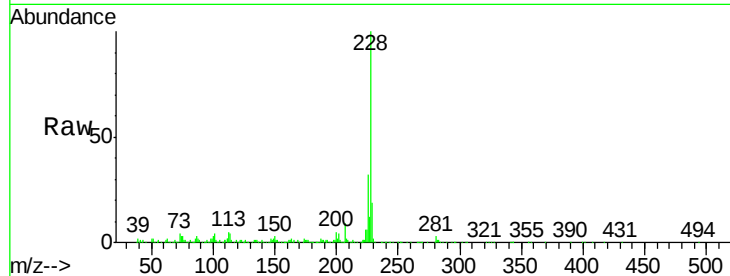
Tot Ion:228 Resp: 384236

Ion Ratio Lower Upper

228 100

226 32.0 23.4 35.2

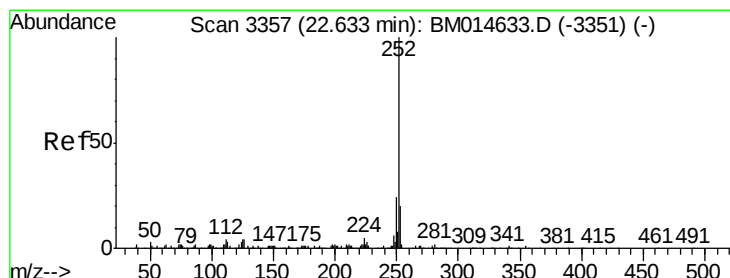
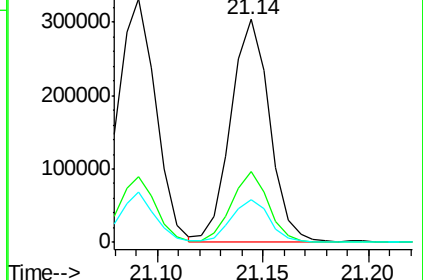
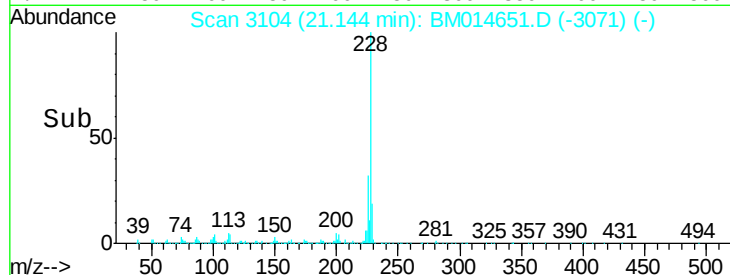
229 19.0 15.5 23.3



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



#24

Benzo(b)fluoranthene

Concen: 19.282 ng/ul

RT: 22.63 min Scan# 3356

Delta R.T. -0.01 min

Lab File: BM014651.D

Acq: 22 Mar 2018 10:02

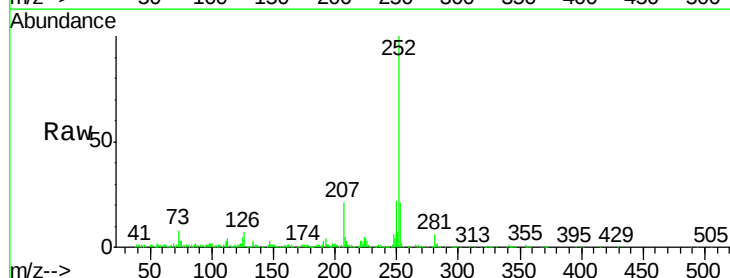
Tgt Ion:252 Resp: 384053

Ion Ratio Lower Upper

252 100

253 21.0 17.9 26.9

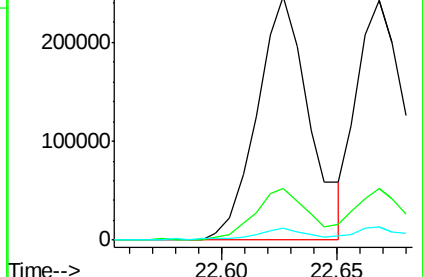
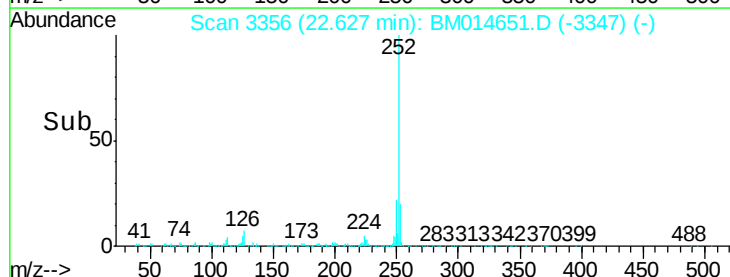
125 5.2 3.6 5.4

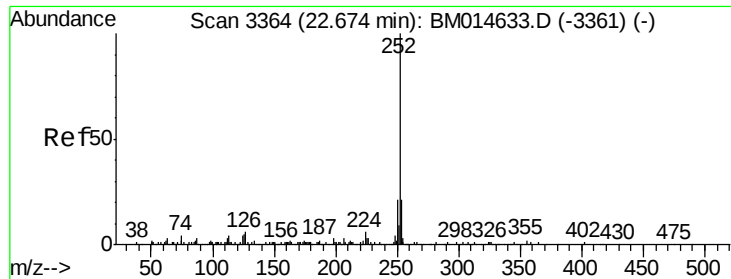


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(k)fluoranthene

Concen: 20.296 ng/ul

RT: 22.63 min Scan# 3356

Delta R.T. -0.05 min

Lab File: BM014651.D

Acq: 22 Mar 2018 10:02

Instrument :

BNA_M

ClientSampleId :

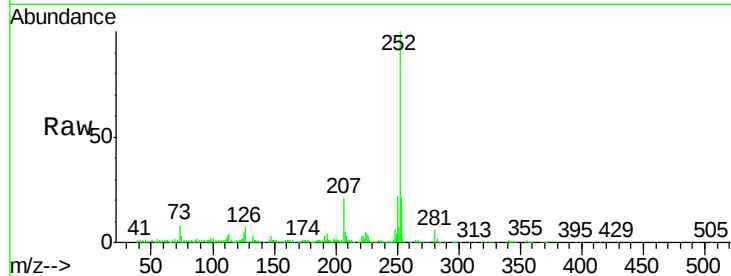
Tot Ion:252 Resp: 384053

Ion Ratio Lower Upper

252 100

253 21.0 17.1 25.7

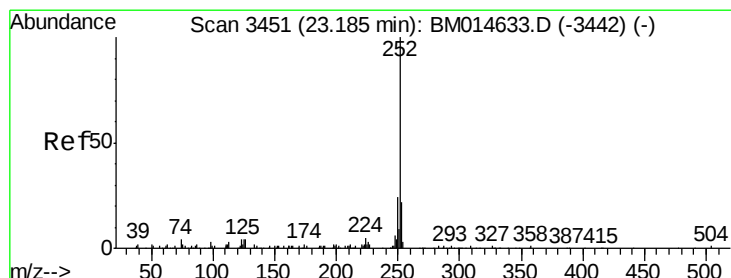
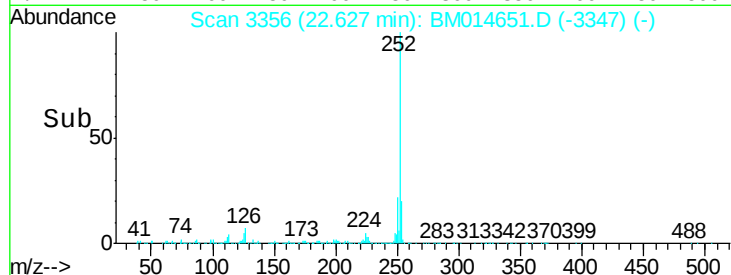
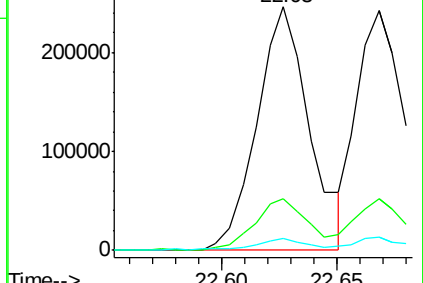
125 5.2 3.4 5.2



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

Benzo(a)pyrene

Concen: 18.741 ng/ul

RT: 23.17 min Scan# 3449

Delta R.T. -0.01 min

Lab File: BM014651.D

Acq: 22 Mar 2018 10:02

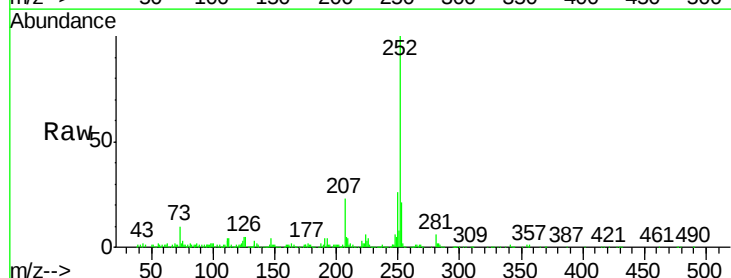
Tgt Ion:252 Resp: 354305

Ion Ratio Lower Upper

252 100

253 21.3 18.2 27.2

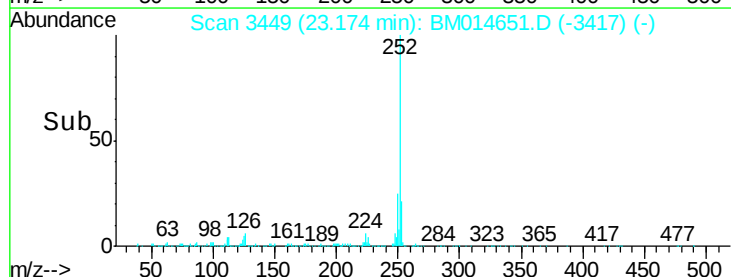
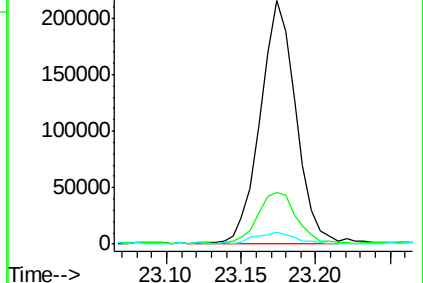
125 5.1 4.0 6.0

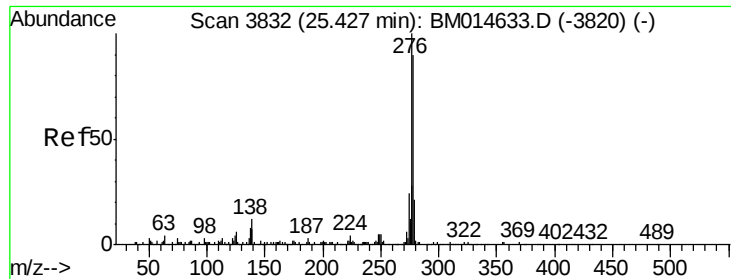


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



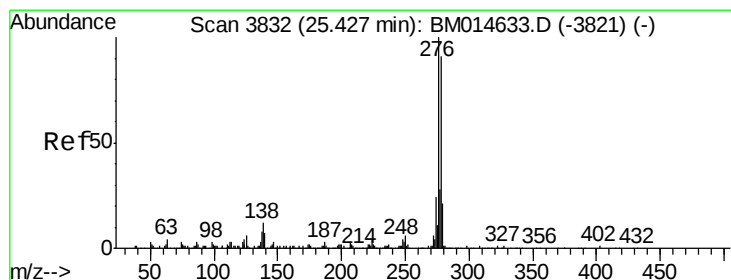
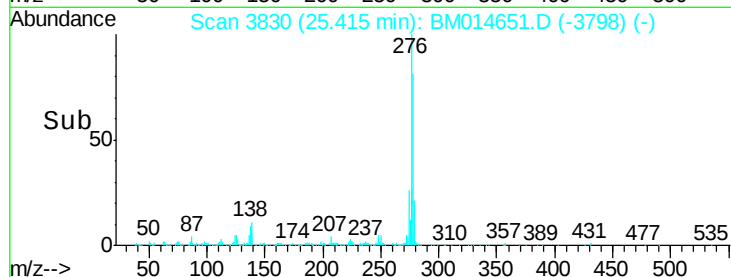
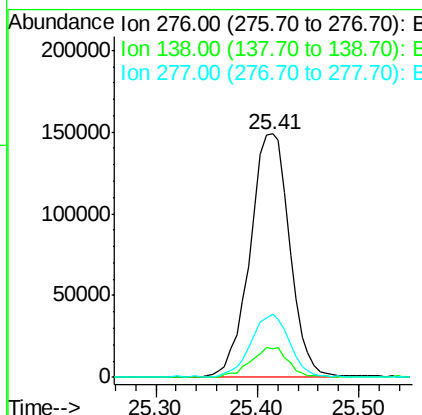
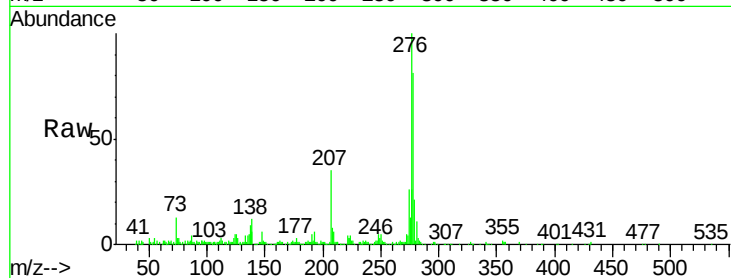


#28

Indeno(1,2,3-cd)pyrene
Concen: 18.638 ng/ul
RT: 25.41 min Scan# 3830
Delta R.T. -0.01 min
Lab File: BM014651.D
Acq: 22 Mar 2018 10:02

Instrument :
BNA_M
ClientSampleId :

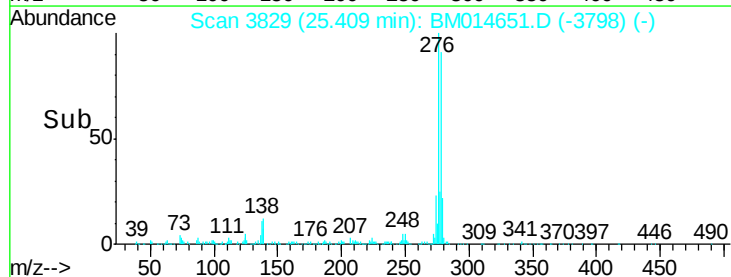
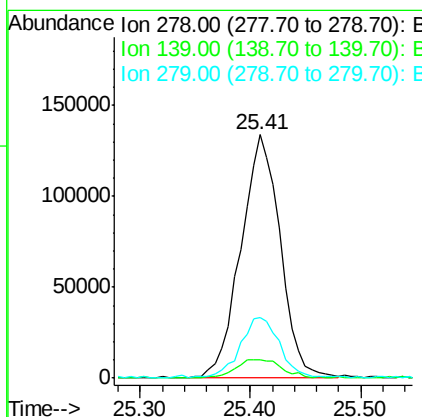
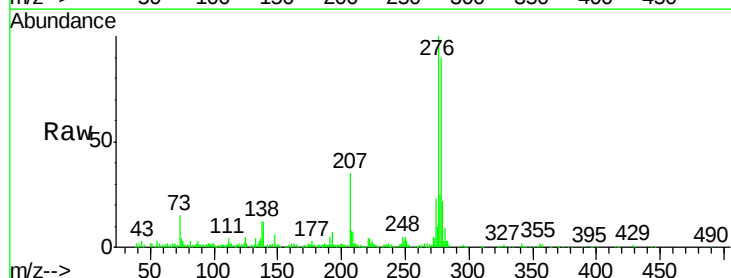
Tot Ion	Ratio	Lower	Upper
276	100		
138	11.6	9.3	13.9
277	25.8	19.9	29.9

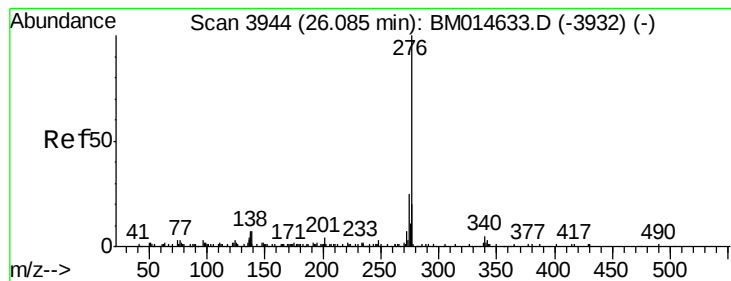


#29

Dibenzo(a,h)anthracene
Concen: 18.443 ng/ul
RT: 25.41 min Scan# 3829
Delta R.T. -0.02 min
Lab File: BM014651.D
Acq: 22 Mar 2018 10:02

Tgt Ion	Ratio	Lower	Upper
278	100		
139	7.7	5.8	8.8
279	24.8	18.6	27.8





#30

Benzo(a,h,i)perylene

Concen: 18.828 ng/ul

RT: 26.07 min Scan# 3942

Delta R.T. -0.01 min

Lab File: BM014651.D

Acq: 22 Mar 2018 10:02

Instrument :

BNA_M

ClientSampleId :

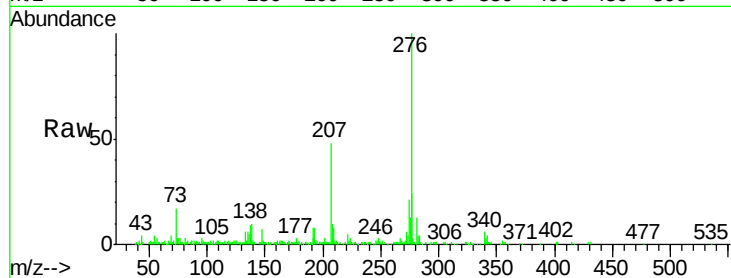
Tot Ion:276 Resp: 326338

Ion Ratio Lower Upper

276 100

138 9.6 8.5 12.7

277 23.6 18.6 28.0



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

