

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031618\
 Data File : BM014604.D
 Acq On : 16 Mar 2018 10:21
 Operator : SJ/JU
 Sample : J1904-09RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEL21RE

Quant Time: Mar 16 23:27:38 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM031518-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 16 15:09:29 2018
 Response via : Initial Calibration

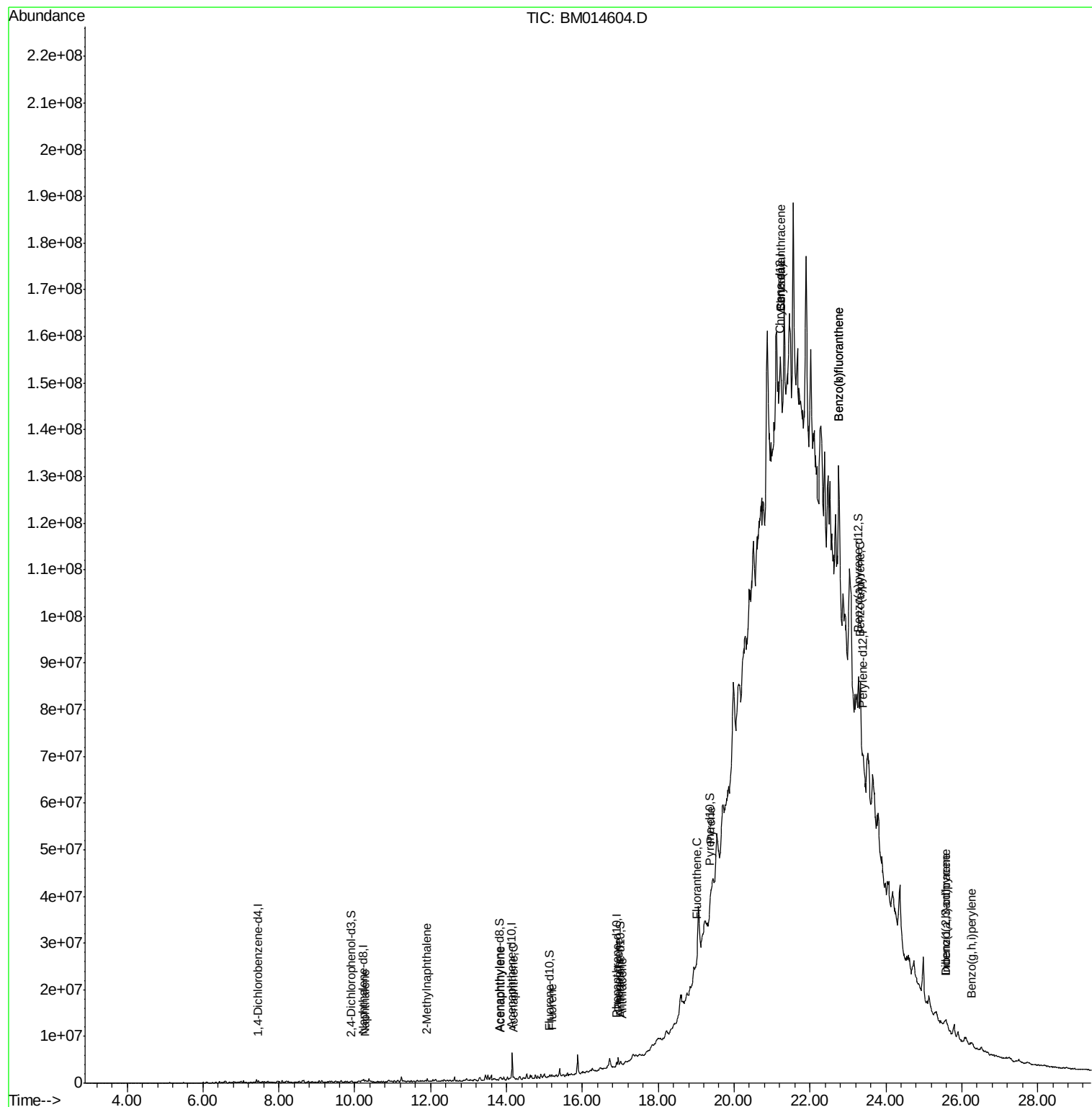
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	100475	20.00	ng/ul	0.00
2) Naphthalene-d8	10.23	136	359064	20.00	ng/ul	0.01
6) Acenaphthene-d10	14.13	164	200595	20.00	ng/ul	0.01
12) Phenanthrene-d10	16.91	188	426931	20.00	ng/ul	0.02
18) Chrysene-d12	21.20	240	1500026	20.00	ng/ul	0.08
23) Perylene-d12	23.41	264	1185744	20.00	ng/ul	0.13
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	9.90	165	82158	14.81	ng/ul	0.02
7) Acenaphthylene-d8	13.82	160	309008	14.41	ng/ul	0.01
10) Fluorene-d10	15.14	176	200972	14.31	ng/ul	0.01
15) Anthracene-d10	17.00	188	333427	16.31	ng/ul	0.01
19) Pyrene-d10	19.35	212	681359	7.56	ng/ul	0.05
26) Benzo(a)pyrene-d12	23.27	264	961417	16.76	ng/ul	0.14
Target Compounds				Qvalue		
4) Naphthalene	10.28	128	128207	7.030	ng/ul#	94
5) 2-Methylnaphthalene	11.91	142	274562	21.516	ng/ul	96
8) Acenaphthylene	13.86	152	62491	3.141	ng/ul#	55
9) Acenaphthene	14.20	153	119047	8.742	ng/ul	99
11) Fluorene	15.20	166	144865	8.977	ng/ul#	97
14) Phenanthrene	16.95	178	780149	32.629	ng/ul#	93
16) Anthracene	17.04	178	130441	5.458	ng/ul#	83
17) Fluoranthene	19.01	202	1783556	65.718	ng/ul#	86
20) Pyrene	19.39	202	2827896	25.067	ng/ul#	81
21) Benzo(a)anthracene	21.22	228	3277429	34.551	ng/ul#	56
22) Chrysene	21.22	228	3276582	37.567	ng/ul#	61
24) Benzo(b)fluoranthene	22.76	252	2361372	31.676	ng/ul#	1
25) Benzo(k)fluoranthene	22.76	252	2721482	38.426	ng/ul#	1
27) Benzo(a)pyrene	23.32	252	1218102	17.214	ng/ul#	1
28) Indeno(1,2,3-cd)pyrene	25.60	276	394755	4.847	ng/ul#	77
29) Dibenzo(a,h)anthracene	25.57	278	85454	1.254	ng/ul#	1
30) Benzo(g,h,i)perylene	26.27	276	367723	5.668	ng/ul#	78

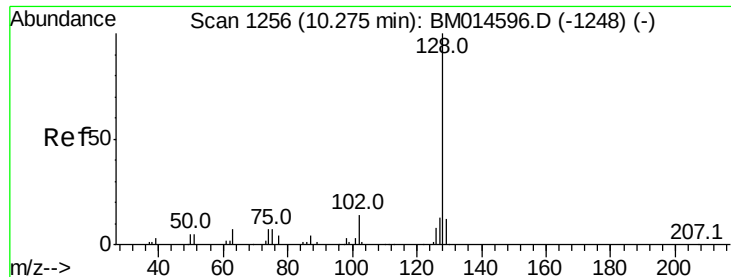
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 7.030 ng/ul

RT: 10.28 min Scan# 1257

Delta R.T. 0.01 min

Lab File: BM014604.D

Acq: 16 Mar 2018 10:21

Instrument :

BNA_M

ClientSampleId :

BEL21RE

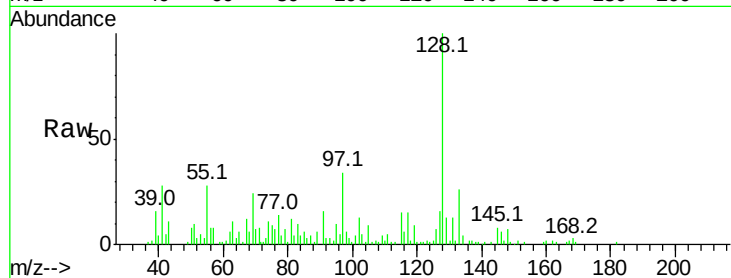
Tot Ion:128 Resp: 128207

Ion Ratio Lower Upper

128 100

129 13.3 8.8 13.2#

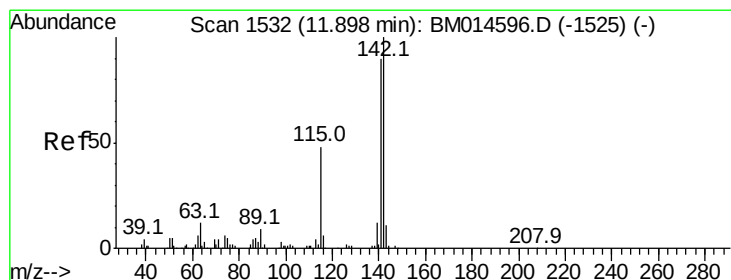
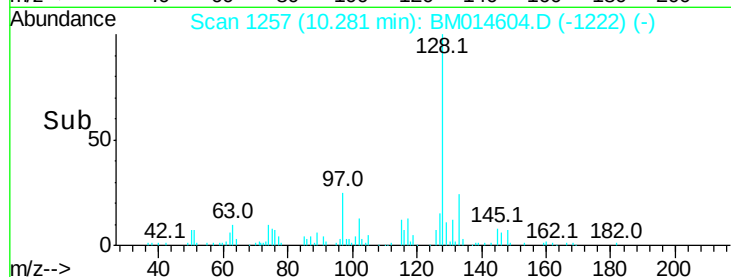
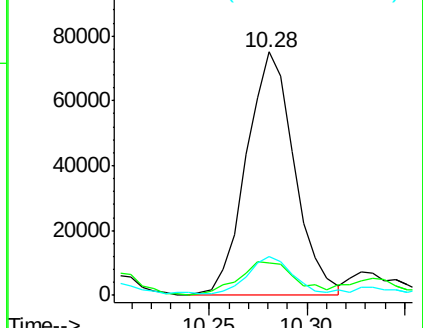
127 16.0 10.6 16.0#



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: 21.516 ng/ul

RT: 11.91 min Scan# 1534

Delta R.T. 0.01 min

Lab File: BM014604.D

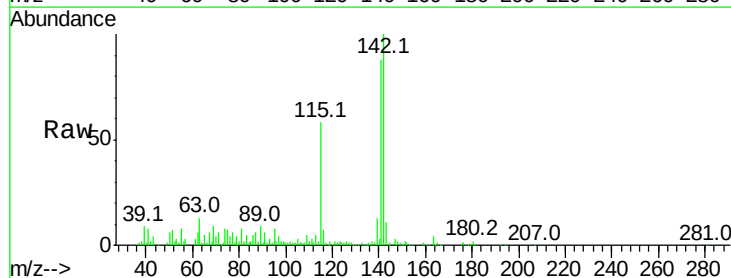
Acq: 16 Mar 2018 10:21

Tgt Ion:142 Resp: 274562

Ion Ratio Lower Upper

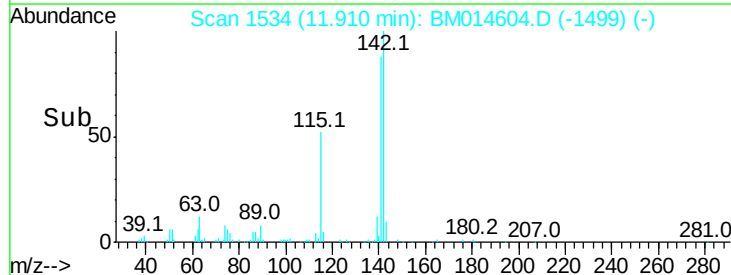
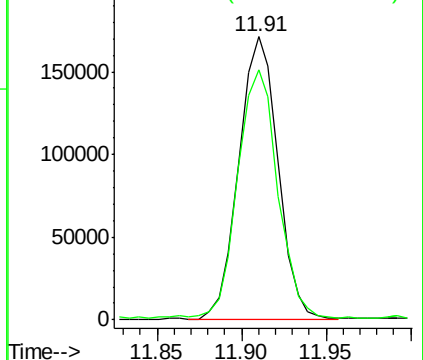
142 100

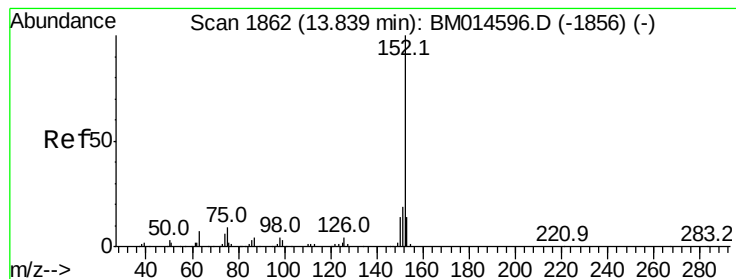
141 88.4 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 3.141 ng/ul

RT: 13.86 min Scan# 1865

Delta R.T. 0.02 min

Lab File: BM014604.D

Acq: 16 Mar 2018 10:21

Instrument :

BNA_M

ClientSampleId :

BEL21RE

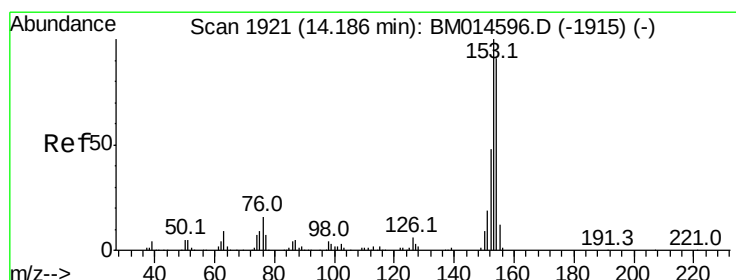
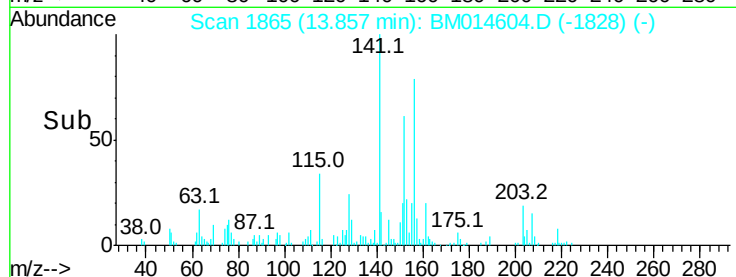
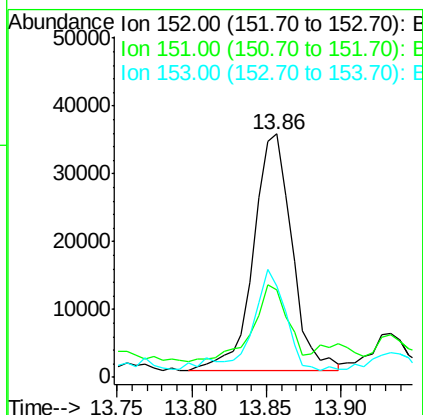
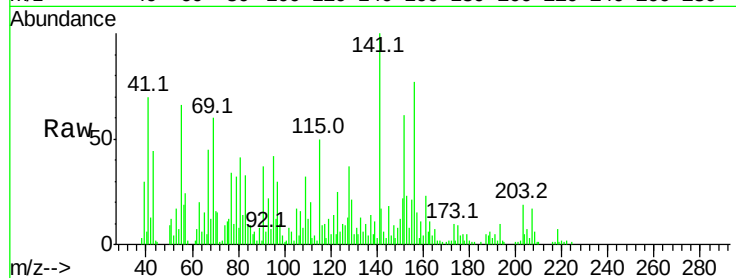
Tot Ion:152 Resp: 62491

Ion Ratio Lower Upper

152 100

151 35.8 16.3 24.5#

153 37.6 10.2 15.4#



#9

Acenaphthene

Concen: 8.742 ng/ul

RT: 14.20 min Scan# 1923

Delta R.T. 0.01 min

Lab File: BM014604.D

Acq: 16 Mar 2018 10:21

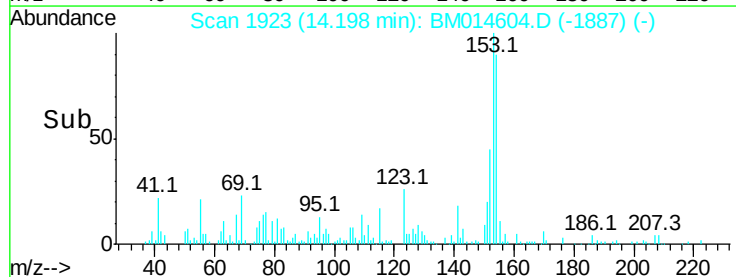
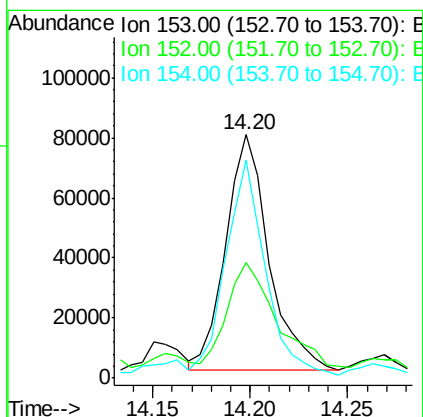
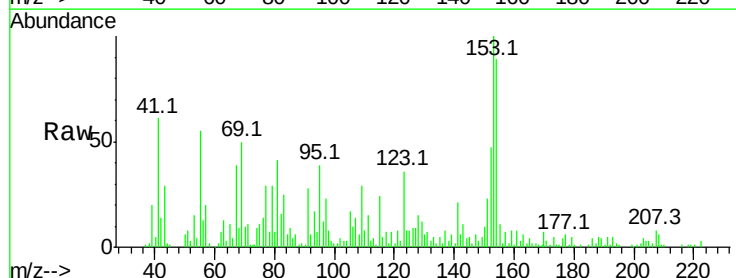
Tgt Ion:153 Resp: 119047

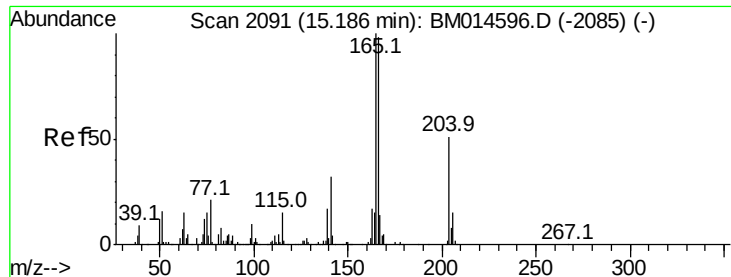
Ion Ratio Lower Upper

153 100

152 47.4 37.6 56.4

154 89.3 70.4 105.6





#11

Fluorene

Concen: 8.977 ng/ul

RT: 15.20 min Scan# 2093

Delta R.T. 0.01 min

Lab File: BM014604.D

Acq: 16 Mar 2018 10:21

Instrument :

BNA_M

ClientSampleId :

BEL21RE

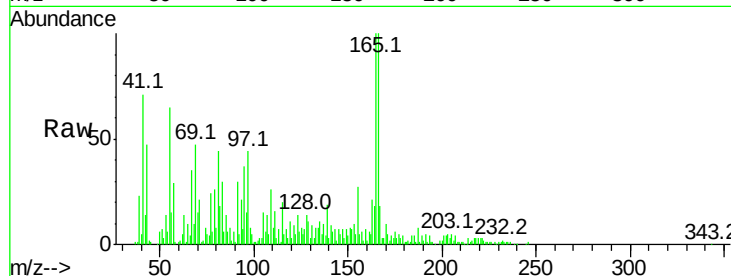
Tot Ion:166 Resp: 144865

Ion Ratio Lower Upper

166 100

165 99.5 77.9 116.9

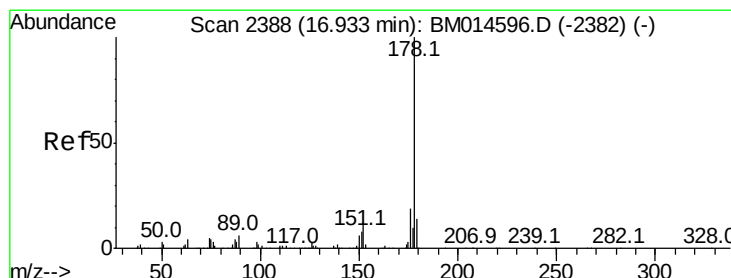
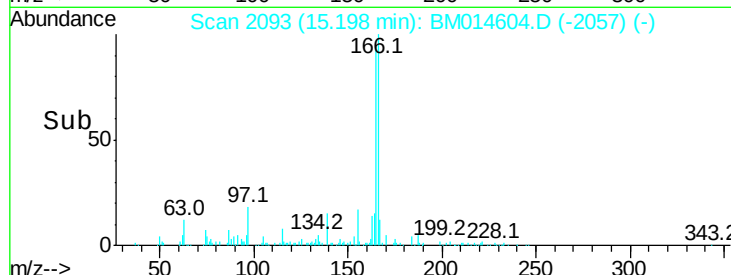
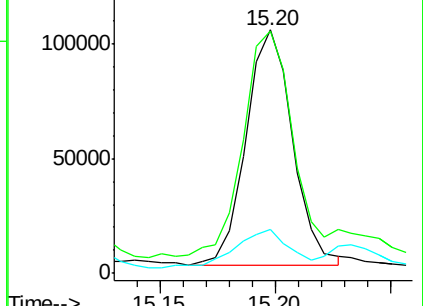
167 18.0 10.6 16.0#



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: 32.629 ng/ul

RT: 16.95 min Scan# 2391

Delta R.T. 0.02 min

Lab File: BM014604.D

Acq: 16 Mar 2018 10:21

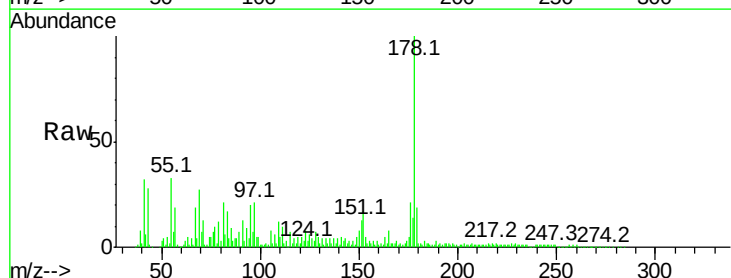
Tgt Ion:178 Resp: 780149

Ion Ratio Lower Upper

178 100

179 19.1 12.6 19.0#

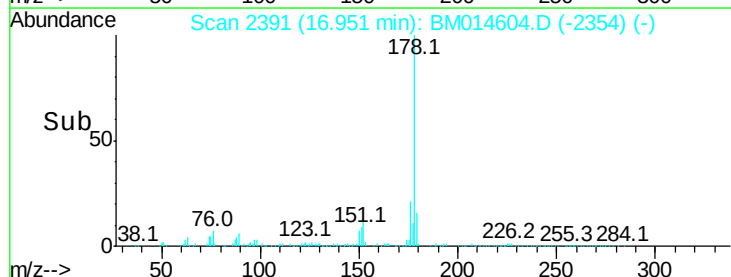
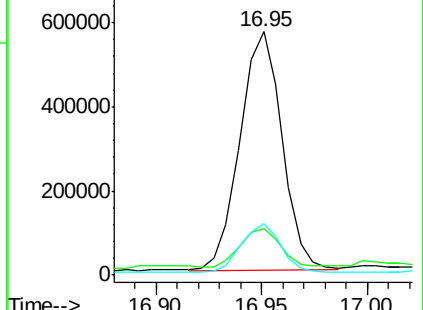
176 21.4 14.9 22.3

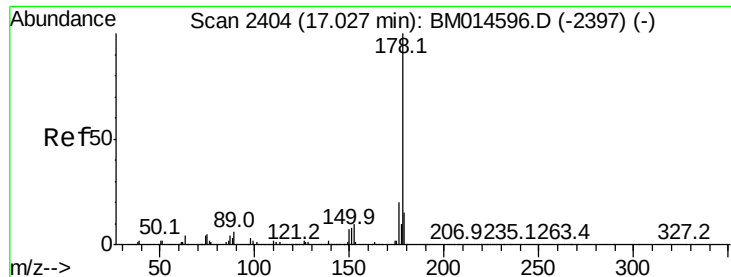


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

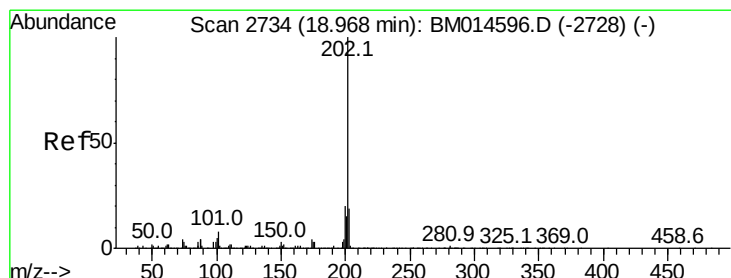
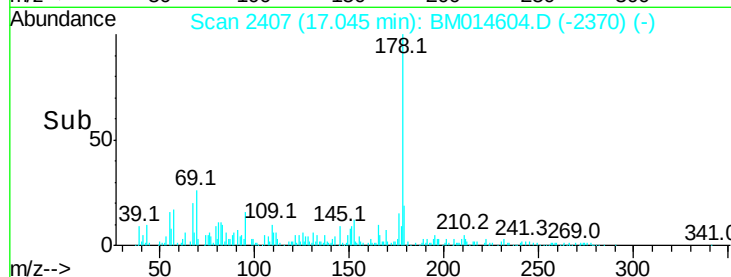
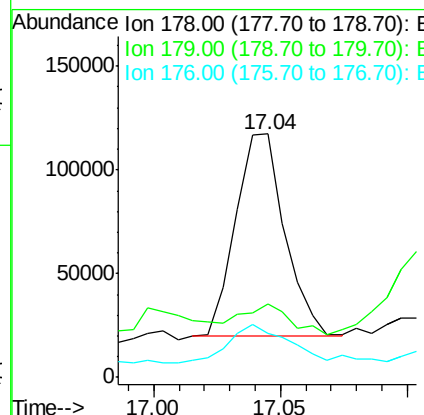
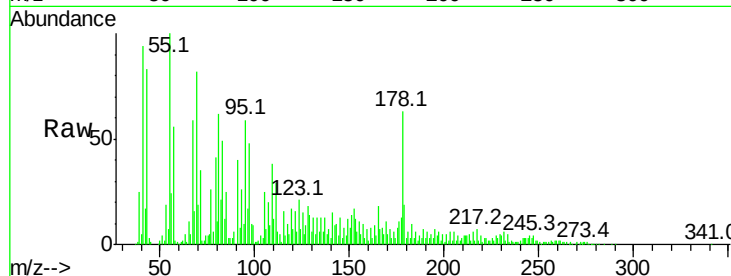




#16
 Anthracene
 Concen: 5.458 ng/ul
 RT: 17.04 min Scan# 2407
 Delta R.T. 0.02 min
 Lab File: BM014604.D
 Acq: 16 Mar 2018 10:21

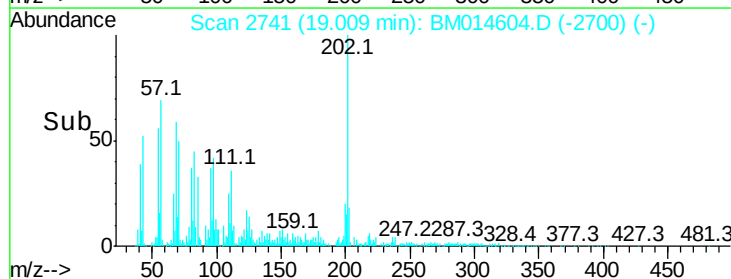
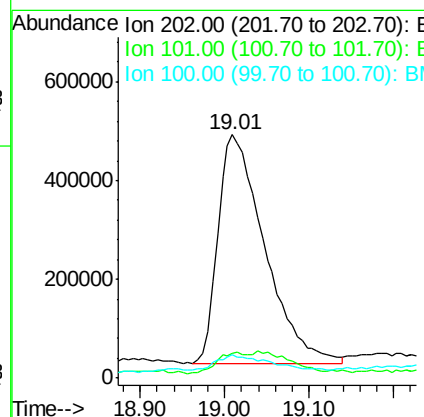
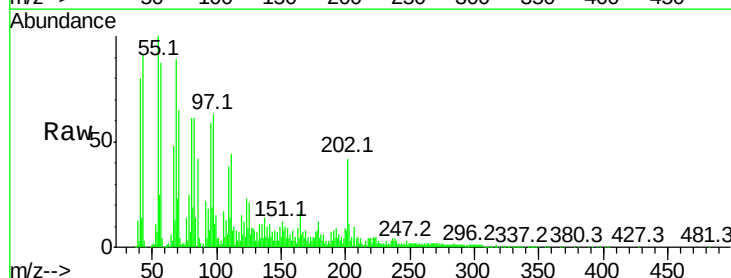
Instrument :
 BNA_M
 ClientSampleId :
 BEL21RE

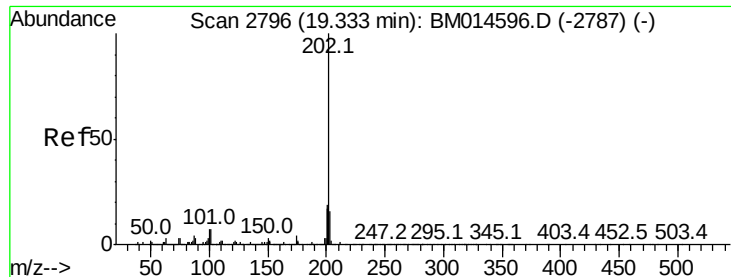
Tot Ion:178 Resp: 130441
 Ion Ratio Lower Upper
 178 100
 179 30.4 11.7 17.5#
 176 18.1 14.6 21.8



#17
 Fluoranthene
 Concen: 65.718 ng/ul
 RT: 19.01 min Scan# 2741
 Delta R.T. 0.04 min
 Lab File: BM014604.D
 Acq: 16 Mar 2018 10:21

Tgt Ion:202 Resp: 1783556
 Ion Ratio Lower Upper
 202 100
 101 9.9 4.6 7.0#
 100 9.5 3.4 5.2#

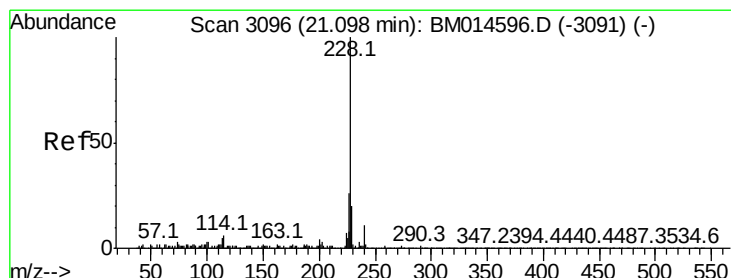
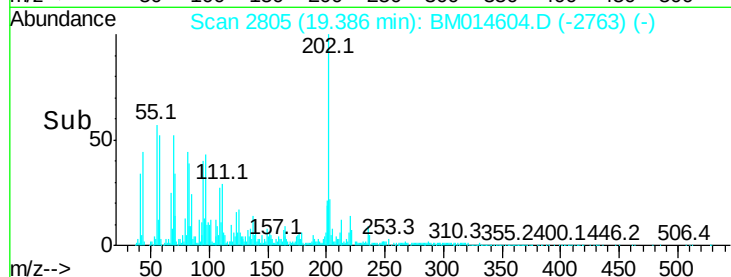
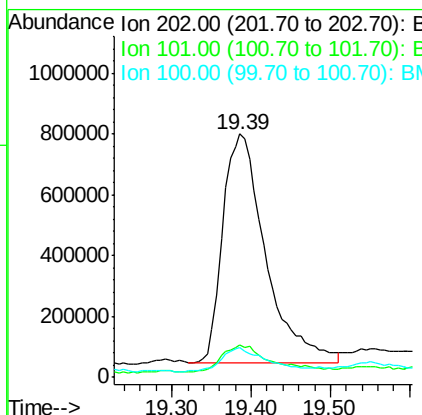
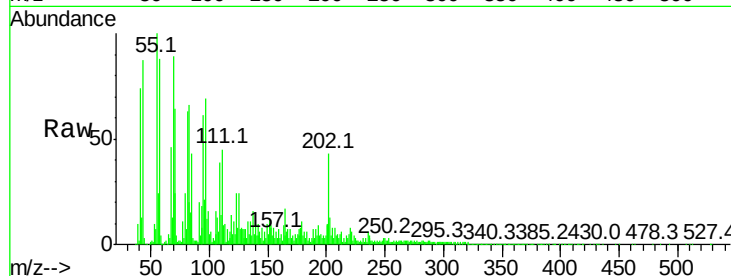




#20
Pvrene
Concen: 25.067 ng/ul
RT: 19.39 min Scan# 2805
Delta R.T. 0.05 min
Lab File: BM014604.D
Acq: 16 Mar 2018 10:21

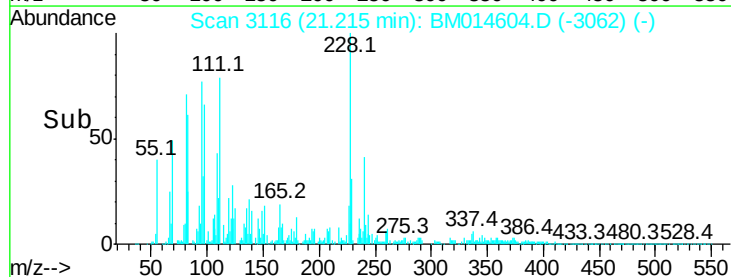
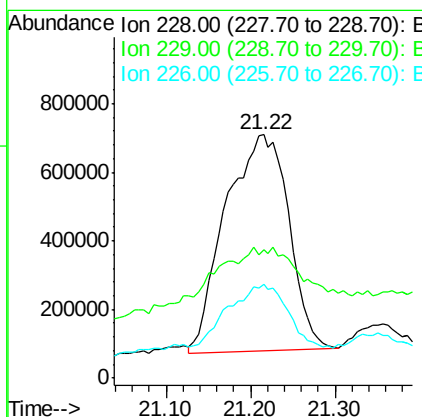
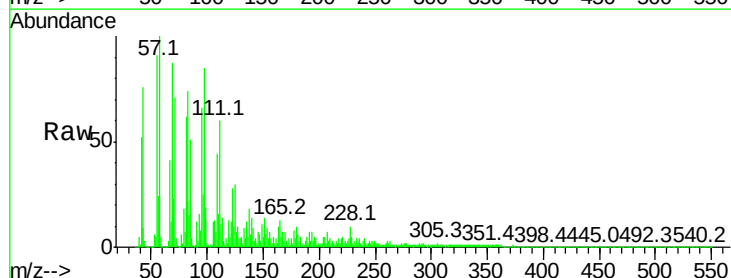
Instrument :
BNA_M
ClientSampleId :
BEL21RE

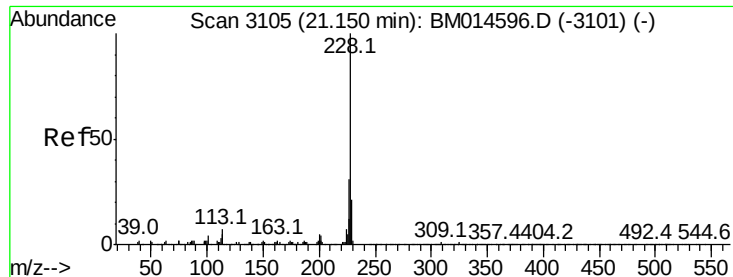
Tot Ion:202 Resp: 2827896
Ion Ratio Lower Upper
202 100
101 13.1 5.1 7.7#
100 12.2 4.9 7.3#



#21
Benzo(a)anthracene
Concen: 34.551 ng/ul
RT: 21.22 min Scan# 3116
Delta R.T. 0.12 min
Lab File: BM014604.D
Acq: 16 Mar 2018 10:21

Tgt Ion:228 Resp: 3277429
Ion Ratio Lower Upper
228 100
229 52.5 15.4 23.0#
226 38.4 21.4 32.0#





#22

Chrysene

Concen: 37.567 ng/ul

RT: 21.22 min Scan# 3116

Delta R.T. 0.06 min

Lab File: BM014604.D

Acq: 16 Mar 2018 10:21

Instrument :

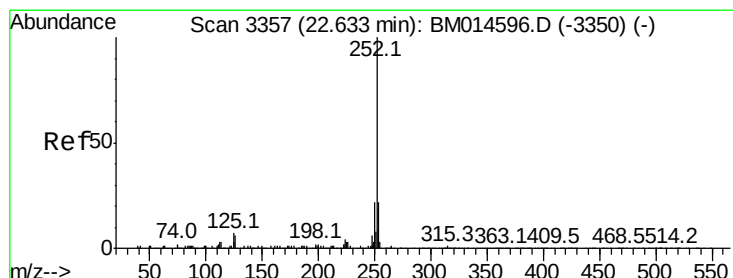
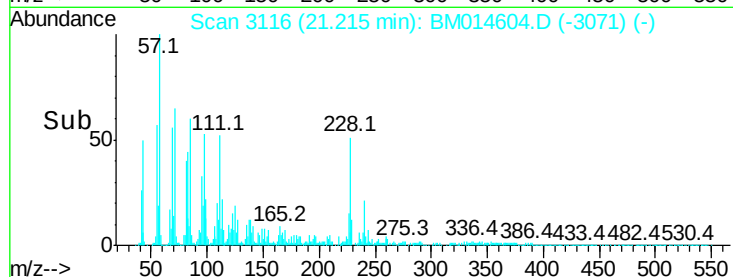
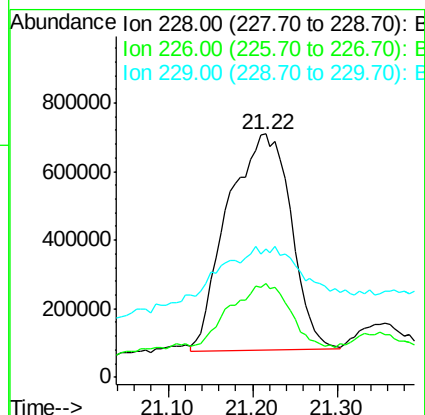
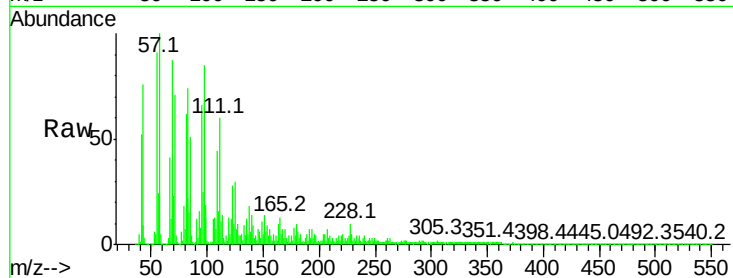
BNA_M

ClientSampleId :

BEL21RE

Tot Ion:228 Resp: 3276582

Ion	Ratio	Lower	Upper
228	100		
226	38.4	23.4	35.2#
229	52.5	15.5	23.3#



#24

Benzo(b)fluoranthene

Concen: 31.676 ng/ul

RT: 22.76 min Scan# 3378

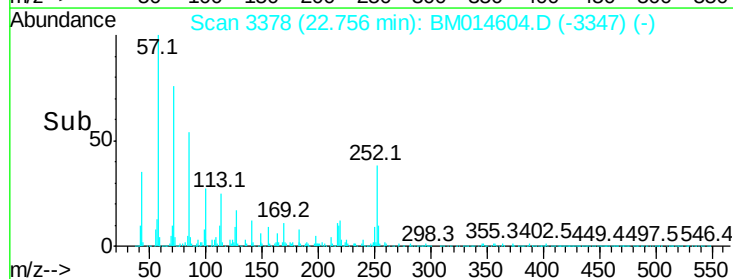
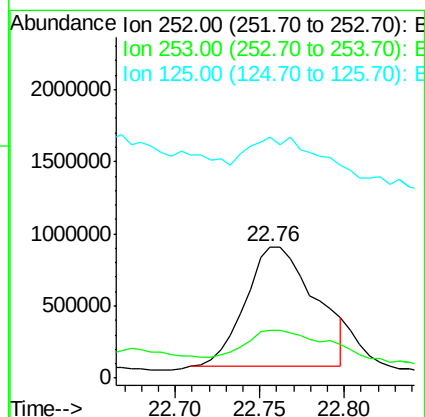
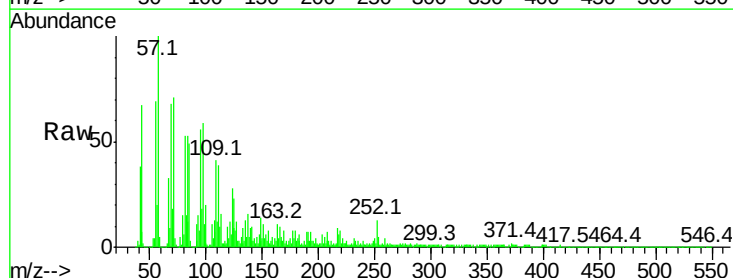
Delta R.T. 0.12 min

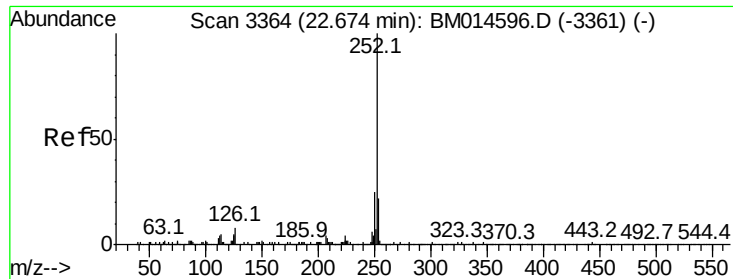
Lab File: BM014604.D

Acq: 16 Mar 2018 10:21

Tgt Ion:252 Resp: 2361372

Ion	Ratio	Lower	Upper
252	100		
253	36.4	17.9	26.9#
125	183.5	3.6	5.4#





#25

Benzo(k)fluoranthene

Concen: 38.426 ng/ul

RT: 22.76 min Scan# 3378

Delta R.T. 0.08 min

Lab File: BM014604.D

Acq: 16 Mar 2018 10:21

Instrument :

BNA_M

ClientSampleId :

BEL21RE

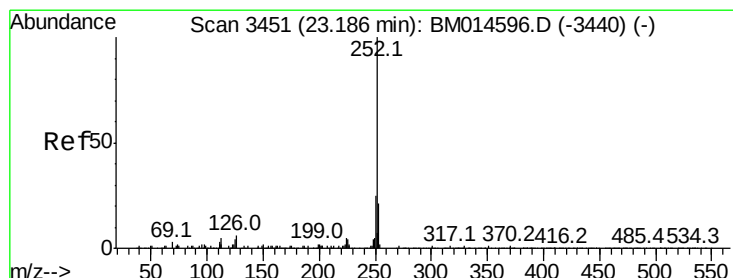
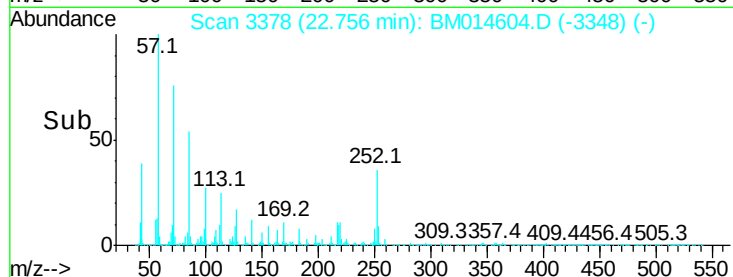
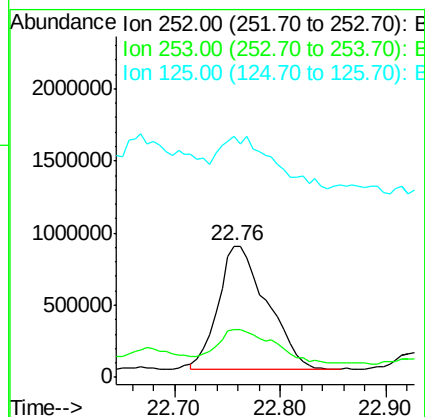
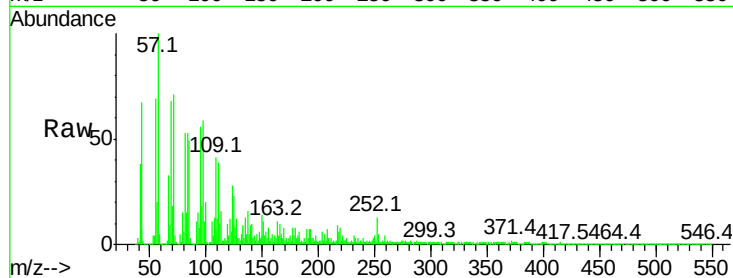
Tot Ion:252 Resp: 2721482

Ion Ratio Lower Upper

252 100

253 36.4 17.1 25.7#

125 183.5 3.4 5.2#



#27

Benzo(a)pyrene

Concen: 17.214 ng/ul

RT: 23.32 min Scan# 3474

Delta R.T. 0.14 min

Lab File: BM014604.D

Acq: 16 Mar 2018 10:21

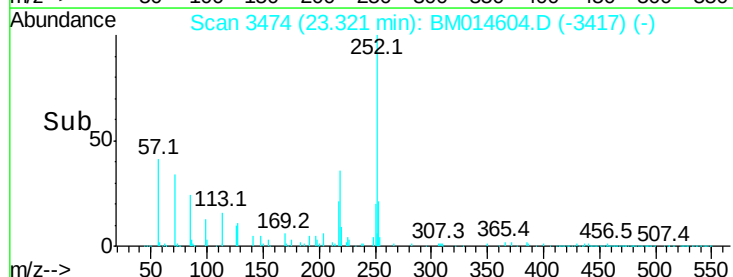
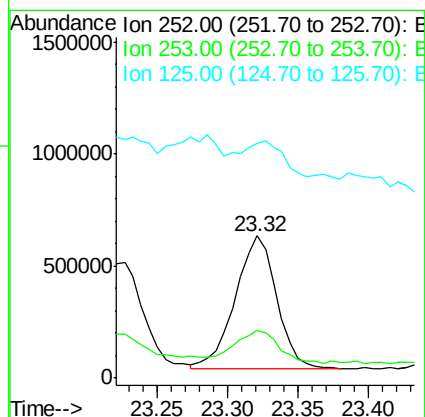
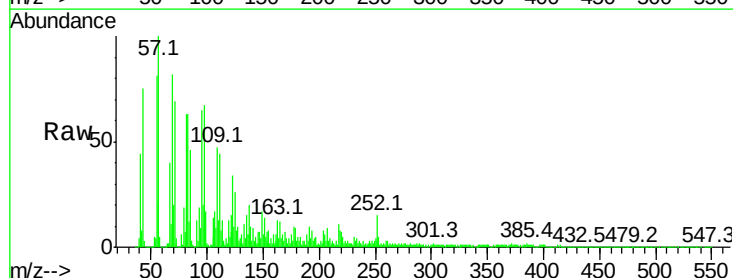
Tgt Ion:252 Resp: 1218102

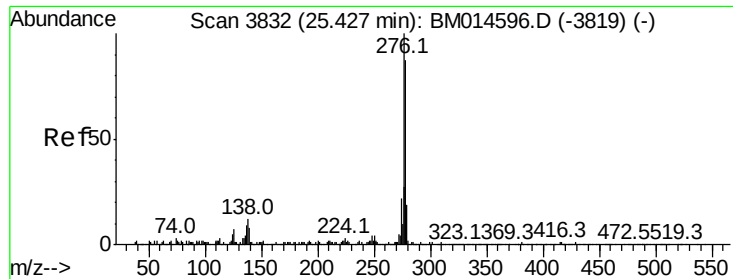
Ion Ratio Lower Upper

252 100

253 34.1 18.2 27.2#

125 165.6 4.0 6.0#



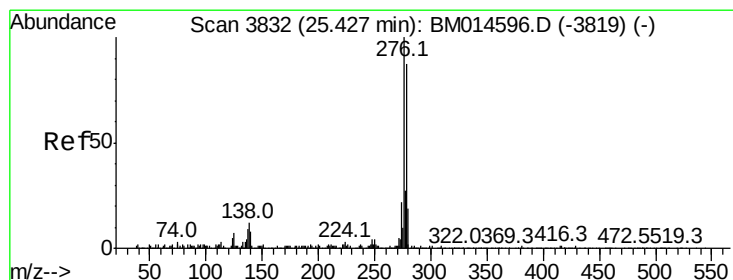
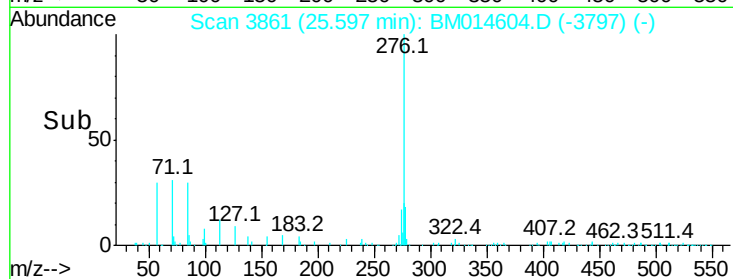
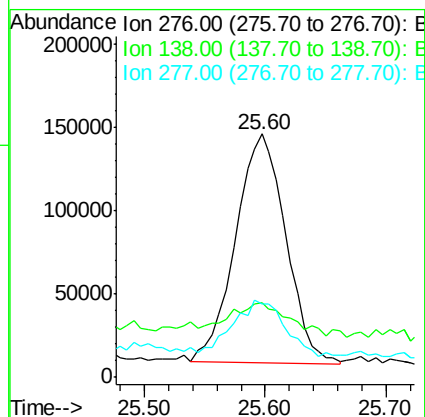
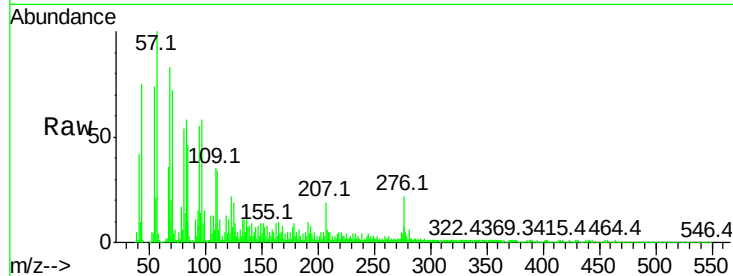


#28

Indeno(1,2,3-cd)pyrene
Concen: 4.847 ng/ul
RT: 25.60 min Scan# 3861
Delta R.T. 0.18 min
Lab File: BM014604.D
Acq: 16 Mar 2018 10:21

Instrument :
BNA_M
ClientSampleId :
BEL21RE

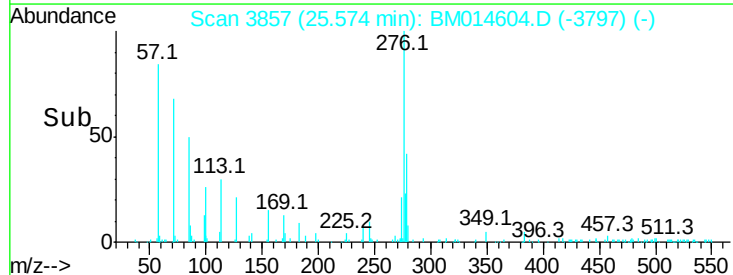
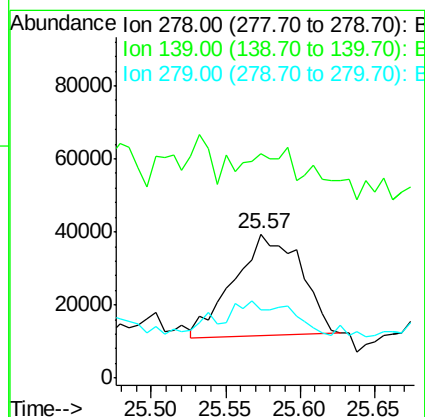
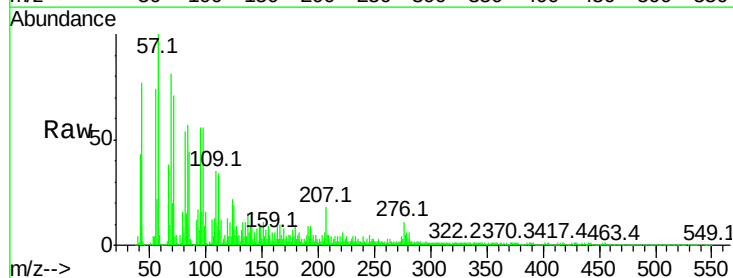
Tot Ion	Ratio	Lower	Upper
276	100		
138	30.7	9.3	13.9#
277	30.3	19.9	29.9#

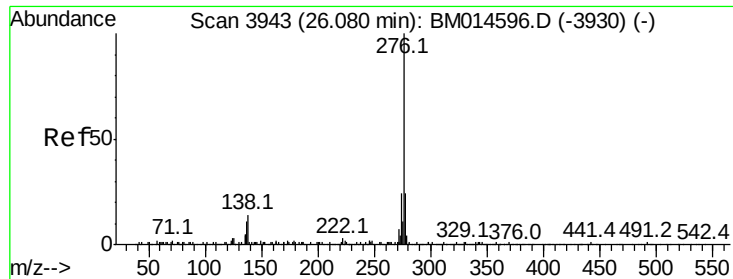


#29

Dibenzo(a,h)anthracene
Concen: 1.254 ng/ul
RT: 25.57 min Scan# 3857
Delta R.T. 0.15 min
Lab File: BM014604.D
Acq: 16 Mar 2018 10:21

Tgt Ion	Ratio	Lower	Upper
278	100		
139	155.8	5.8	8.8#
279	47.0	18.6	27.8#





#30

Benzo(a,h,i)perylene

Concen: 5.668 ng/ul

RT: 26.27 min Scan# 3976

Delta R.T. 0.19 min

Lab File: BM014604.D

Acq: 16 Mar 2018 10:21

Instrument :

BNA_M

ClientSampleId :

BEL21RE

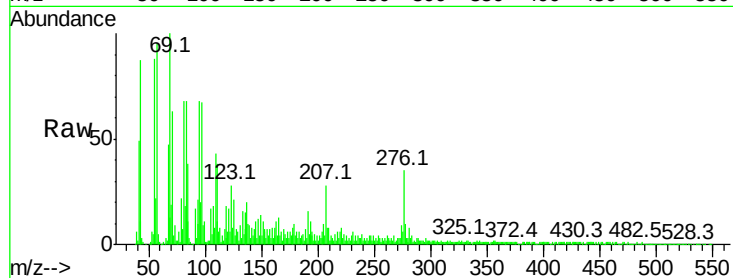
Tot Ion: 276 Resp: 367723

Ion Ratio Lower Upper

276 100

138 28.6 8.5 12.7#

277 28.3 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

