

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_M\DATA\BM031518\
 Data File : BM014599.D
 Acq On : 16 Mar 2018 04:52
 Operator : SJ/JU
 Sample : J1904-15
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEL38

Quant Time: Mar 16 15:26:30 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

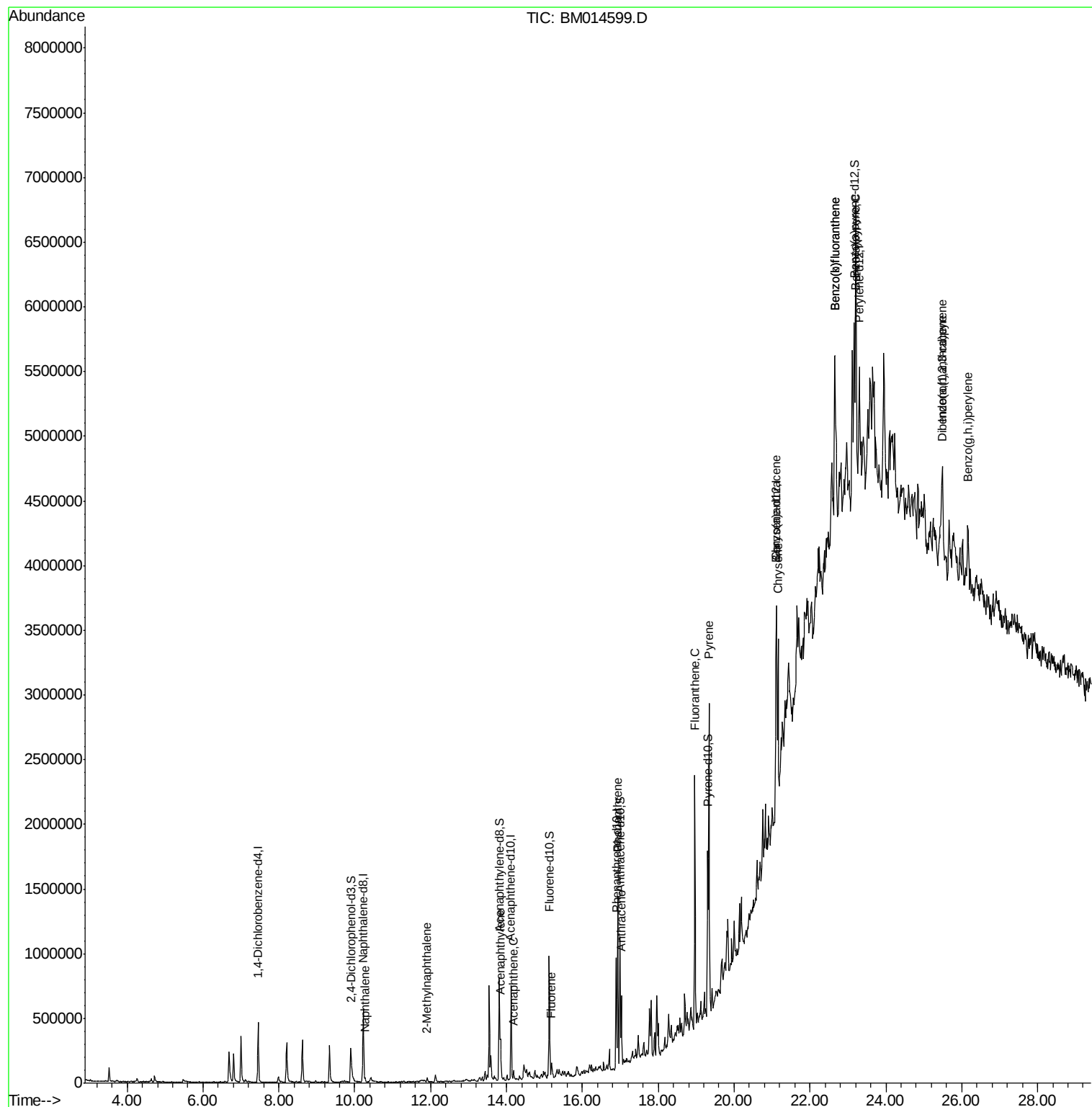
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	103061	20.00	ng/ul	0.00
2) Naphthalene-d8	10.22	136	404836	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.12	164	208455	20.00	ng/ul	0.00
12) Phenanthrene-d10	16.89	188	416669	20.00	ng/ul	0.00
18) Chrysene-d12	21.12	240	408205	20.00	ng/ul	0.00
23) Perylene-d12	23.30	264	460799	20.00	ng/ul	0.02
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	9.90	165	119282	19.06	ng/ul	0.01
7) Acenaphthylene-d8	13.81	160	494528	22.20	ng/ul	0.00
10) Fluorene-d10	15.13	176	327799	22.46	ng/ul	0.00
15) Anthracene-d10	16.99	188	463274	23.22	ng/ul	0.00
19) Pyrene-d10	19.31	212	469479	19.13	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.16	264	489765	21.97	ng/ul	0.02
Target Compounds				Qvalue		
4) Naphthalene	10.27	128	22708	1.104	ng/ul	100
5) 2-Methylnaphthalene	11.91	142	15656	1.088	ng/ul	89
8) Acenaphthylene	13.84	152	189856	9.181	ng/ul	95
9) Acenaphthene	14.19	153	23568	1.665	ng/ul	95
11) Fluorene	15.19	166	46257	2.758	ng/ul#	86
14) Phenanthrene	16.93	178	667308	28.597	ng/ul	99
16) Anthracene	17.03	178	289684	12.419	ng/ul	98
17) Fluoranthene	18.97	202	989185	37.346	ng/ul	98
20) Pyrene	19.34	202	1269226	41.343	ng/ul	99
21) Benzo(a)anthracene	21.10	228	636682	24.664	ng/ul#	94
22) Chrysene	21.16	228	619386	26.095	ng/ul	95
24) Benzo(b)fluoranthene	22.66	252	851609	29.396	ng/ul#	96
25) Benzo(k)fluoranthene	22.66	252	851609	30.941	ng/ul#	94
27) Benzo(a)pyrene	23.21	252	730512	26.565	ng/ul#	93
28) Indeno(1,2,3-cd)pyrene	25.49	276	438092	13.842	ng/ul#	89
29) Dibenzo(a,h)anthracene	25.47	278	65510	2.473	ng/ul#	51
30) Benzo(g,h,i)perylene	26.16	276	549691	21.804	ng/ul#	89

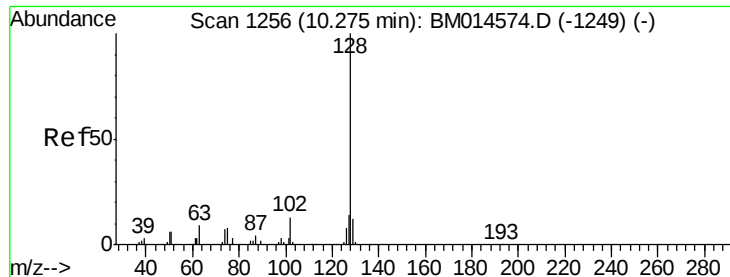
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 16 15:09:29 2018
Response via : Initial Calibration





#4

Naphthalene

Concen: 1.104 ng/ul

RT: 10.27 min Scan# 1256

Delta R.T. -0.00 min

Lab File: BM014599.D

Acq: 16 Mar 2018 04:52

Instrument :

BNA_M

ClientSampleId :

BEL38

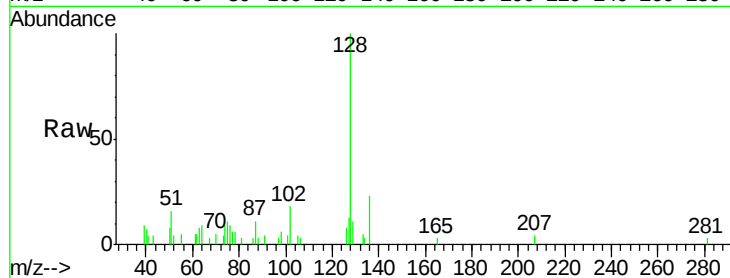
Tgt Ion:128 Resp: 22708

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

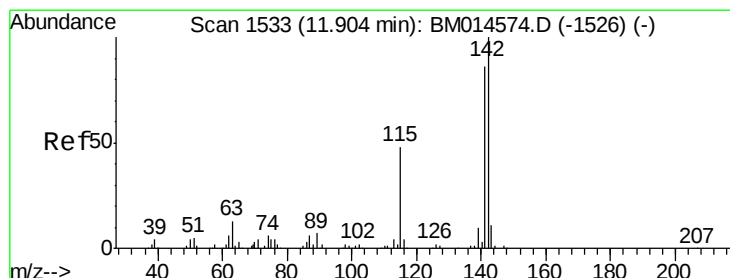
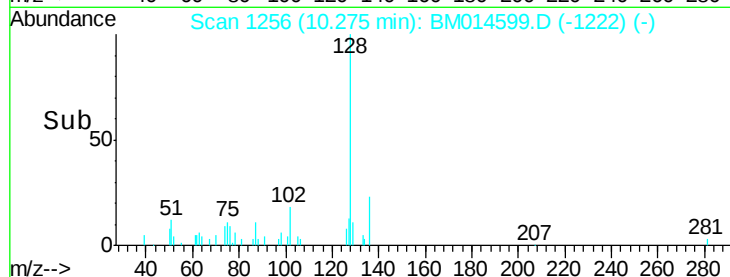
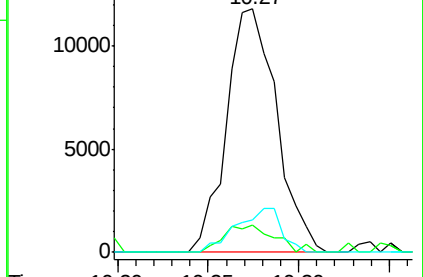
127 13.2 10.6 16.0



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



#5

2-Methylnaphthalene

Concen: 1.088 ng/ul

RT: 11.91 min Scan# 1534

Delta R.T. 0.01 min

Lab File: BM014599.D

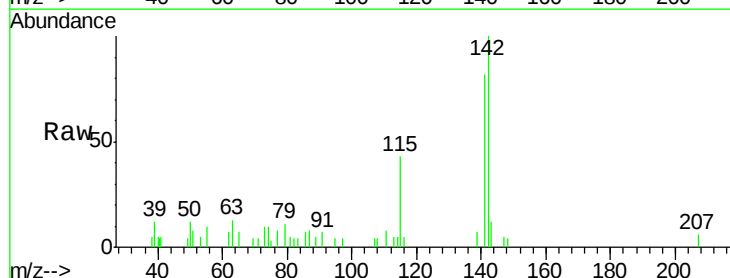
Acq: 16 Mar 2018 04:52

Tgt Ion:142 Resp: 15656

Ion Ratio Lower Upper

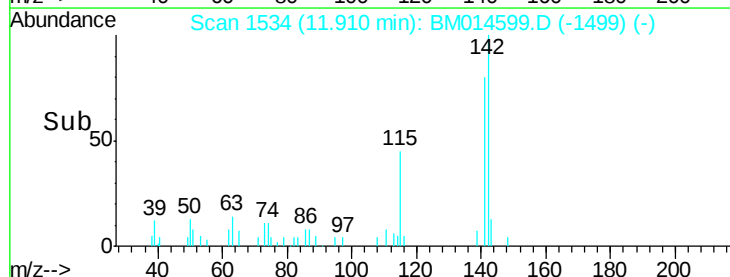
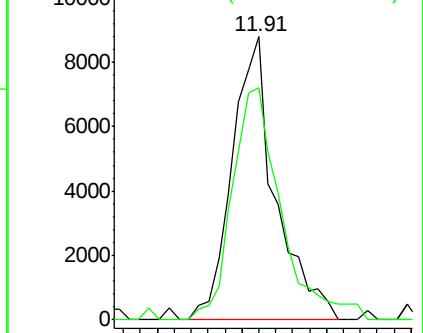
142 100

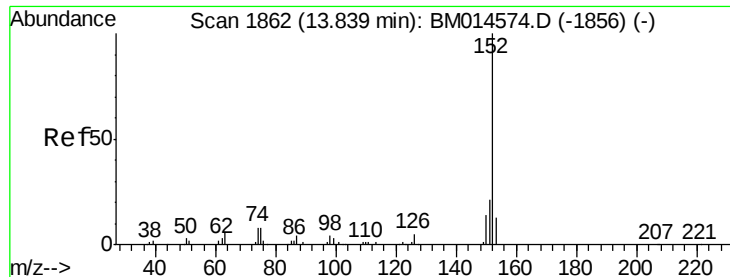
141 82.1 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 9.181 ng/ul

RT: 13.84 min Scan# 1863

Delta R.T. 0.01 min

Lab File: BM014599.D

Acq: 16 Mar 2018 04:52

Instrument :

BNA_M

ClientSampleId :

BEL38

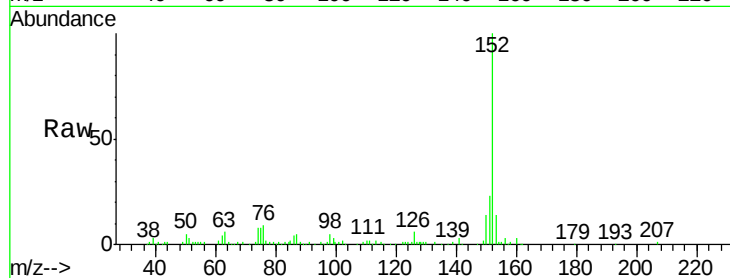
Tgt Ion:152 Resp: 189856

Ion Ratio Lower Upper

152 100

151 23.1 16.3 24.5

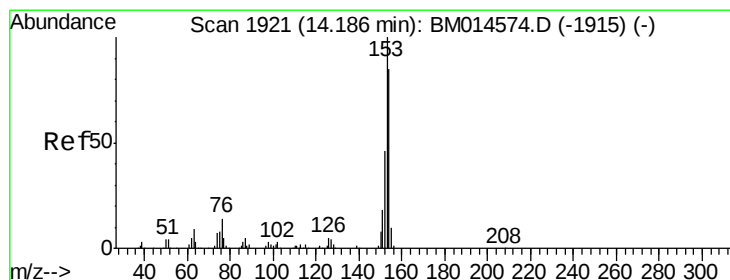
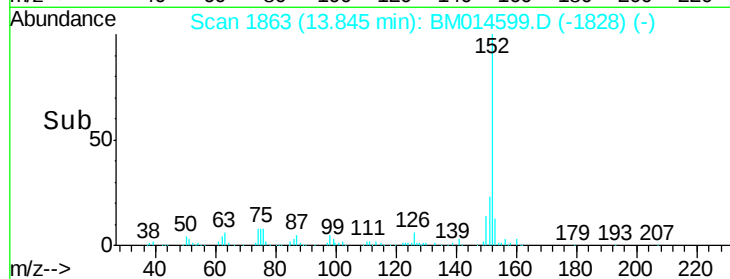
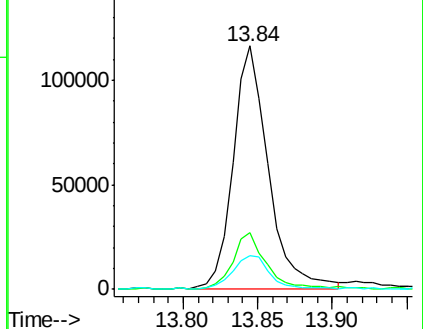
153 14.0 10.2 15.4



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: 1.665 ng/ul

RT: 14.19 min Scan# 1921

Delta R.T. -0.00 min

Lab File: BM014599.D

Acq: 16 Mar 2018 04:52

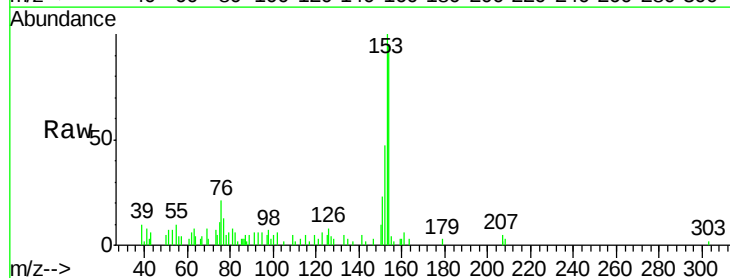
Tgt Ion:153 Resp: 23568

Ion Ratio Lower Upper

153 100

152 47.3 37.6 56.4

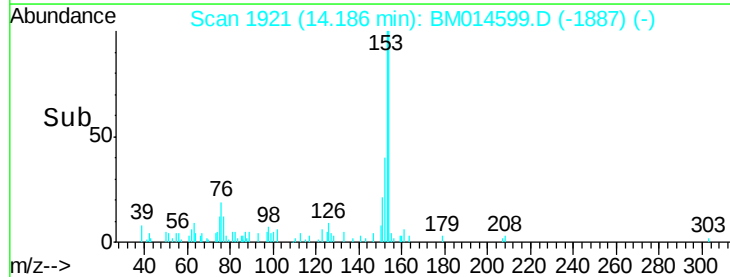
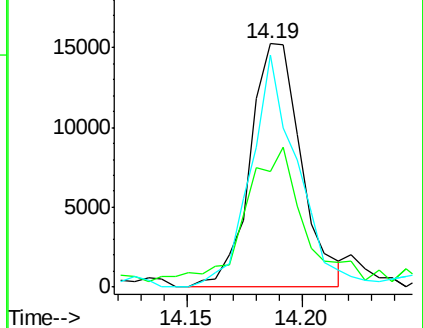
154 95.5 70.4 105.6

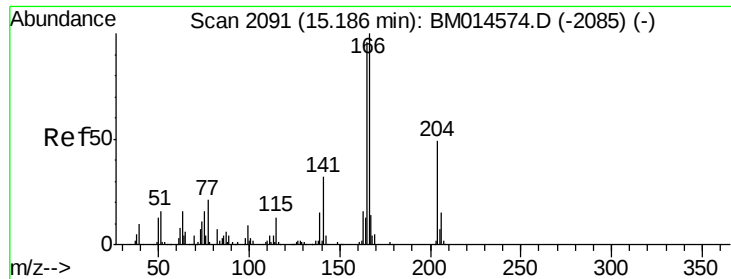


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

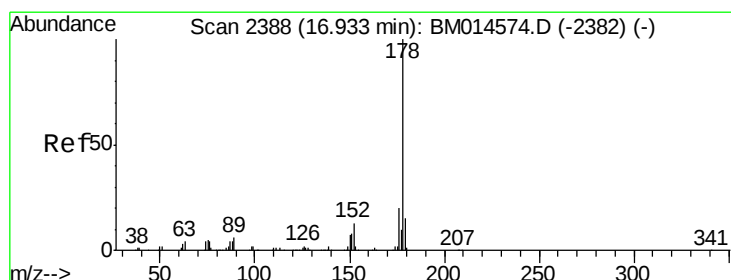
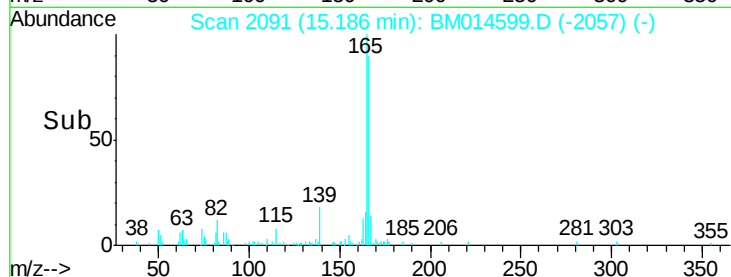
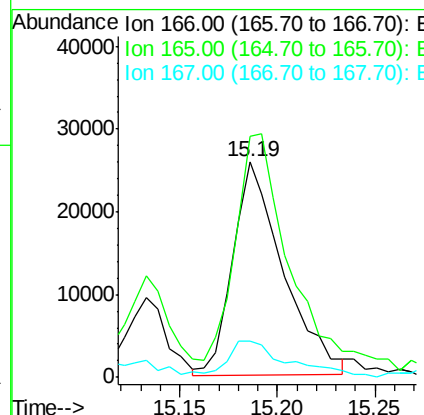
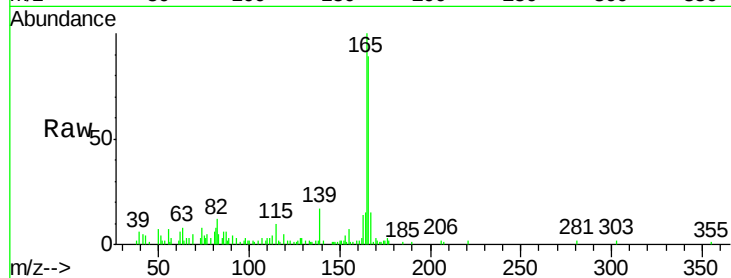




#11
Fluorene
 Concen: 2.758 ng/ul
 RT: 15.19 min Scan# 2091
 Delta R.T. -0.00 min
 Lab File: BM014599.D
 Acq: 16 Mar 2018 04:52

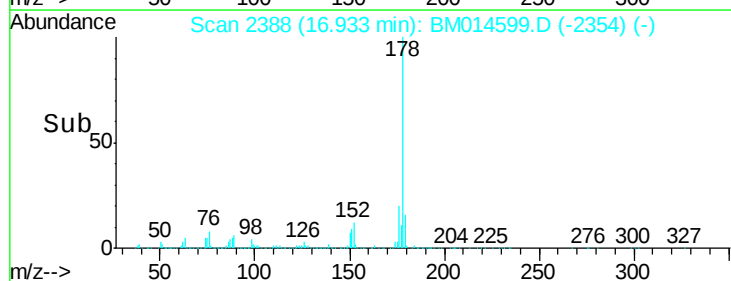
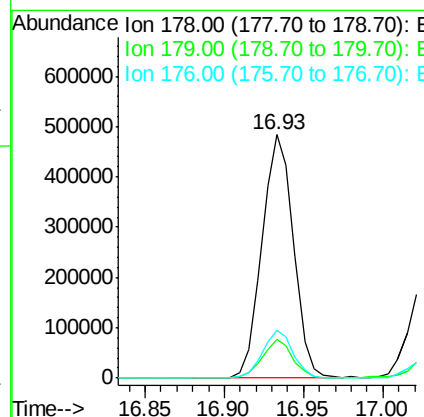
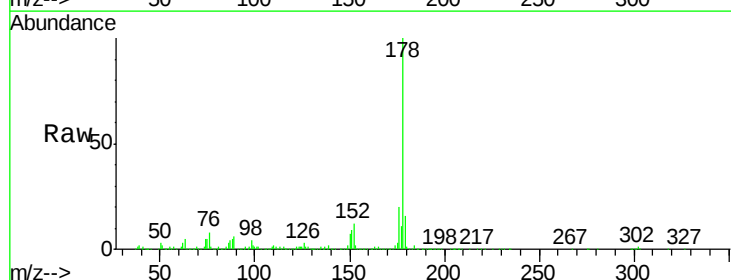
Instrument :
 BNA_M
 ClientSampleId :
 BEL38

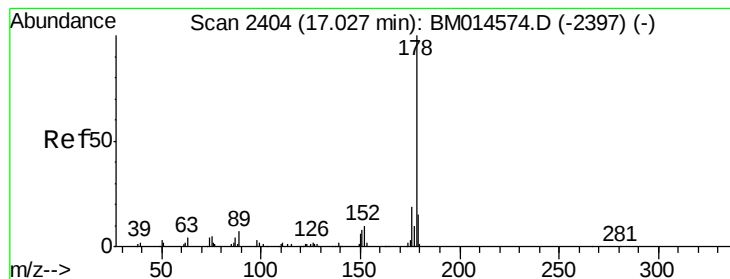
Tgt Ion:166 Resp: 46257
 Ion Ratio Lower Upper
 166 100
 165 111.8 77.9 116.9
 167 16.9 10.6 16.0#



#14
Phenanthrene
 Concen: 28.597 ng/ul
 RT: 16.93 min Scan# 2388
 Delta R.T. -0.00 min
 Lab File: BM014599.D
 Acq: 16 Mar 2018 04:52

Tgt Ion:178 Resp: 667308
 Ion Ratio Lower Upper
 178 100
 179 15.8 12.6 19.0
 176 19.7 14.9 22.3





#16

Anthracene

Concen: 12.419 ng/ul

RT: 17.03 min Scan# 2404

Delta R.T. -0.00 min

Lab File: BM014599.D

Acq: 16 Mar 2018 04:52

Instrument :

BNA_M

ClientSampleId :

BEL38

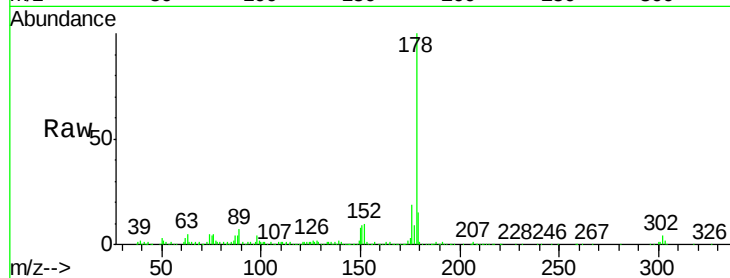
Tgt Ion:178 Resp: 289684

Ion Ratio Lower Upper

178 100

179 15.3 11.7 17.5

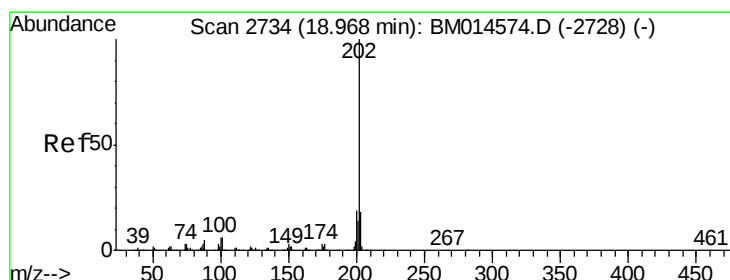
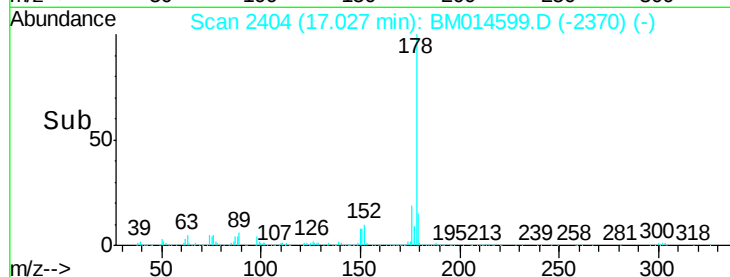
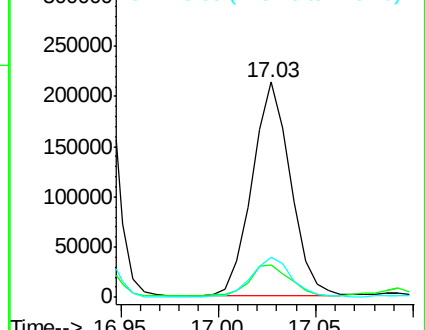
176 18.8 14.6 21.8



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



#17

Fluoranthene

Concen: 37.346 ng/ul

RT: 18.97 min Scan# 2734

Delta R.T. -0.00 min

Lab File: BM014599.D

Acq: 16 Mar 2018 04:52

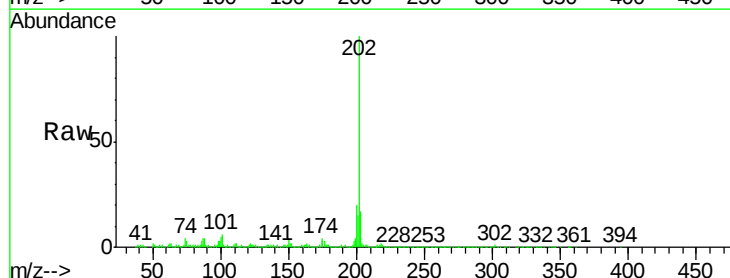
Tgt Ion:202 Resp: 989185

Ion Ratio Lower Upper

202 100

101 6.2 4.6 7.0

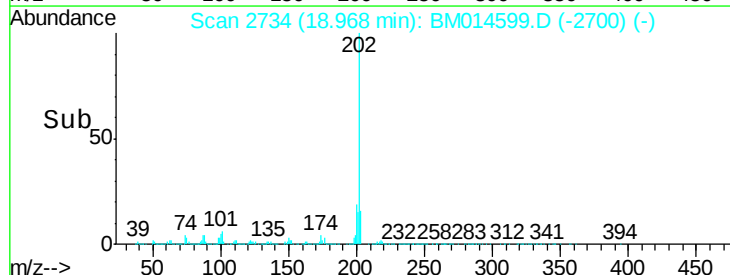
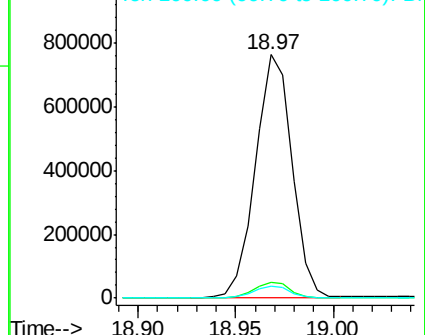
100 5.0 3.4 5.2

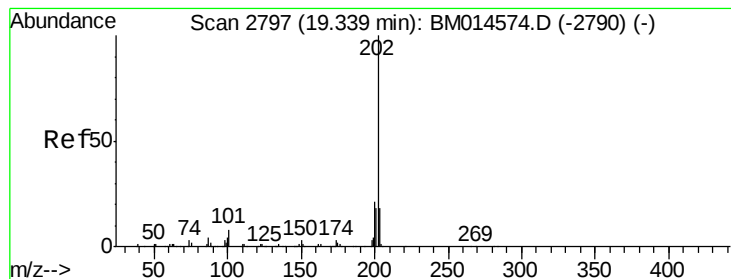


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Pyrene

Concen: 41.343 ng/ul

RT: 19.34 min Scan# 2797

Delta R.T. -0.00 min

Lab File: BM014599.D

Acq: 16 Mar 2018 04:52

Instrument :

BNA_M

ClientSampleId :

BEL38

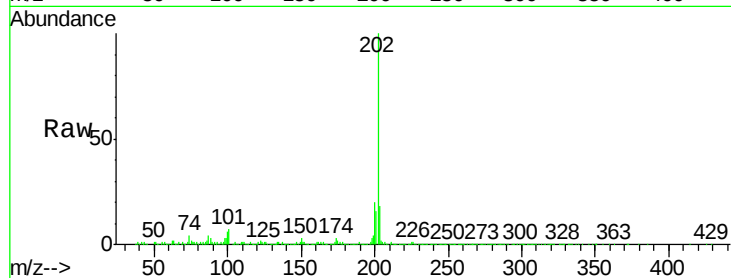
Tgt Ion:202 Resp: 1269226

Ion Ratio Lower Upper

202 100

101 7.0 5.1 7.7

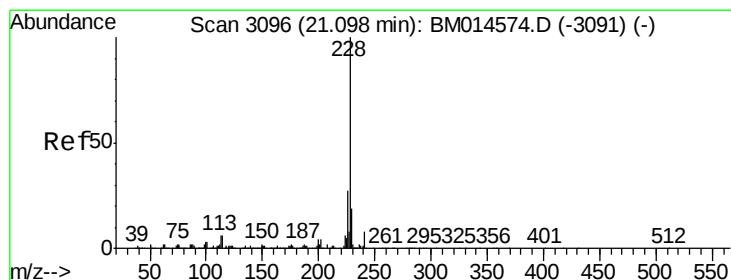
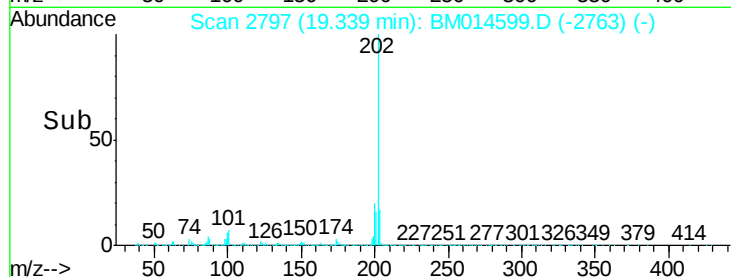
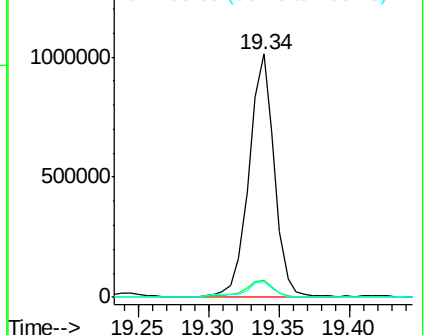
100 6.3 4.9 7.3



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



#21

Benzo(a)anthracene

Concen: 24.664 ng/ul

RT: 21.10 min Scan# 3097

Delta R.T. 0.01 min

Lab File: BM014599.D

Acq: 16 Mar 2018 04:52

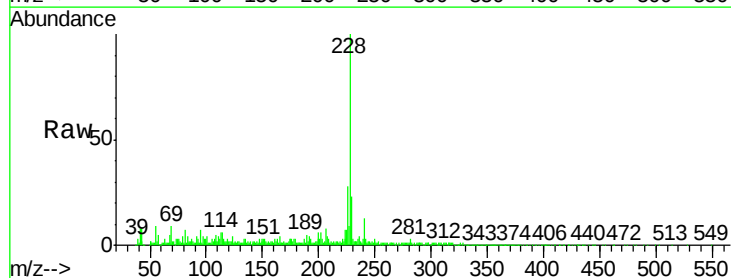
Tgt Ion:228 Resp: 636682

Ion Ratio Lower Upper

228 100

229 23.2 15.4 23.0#

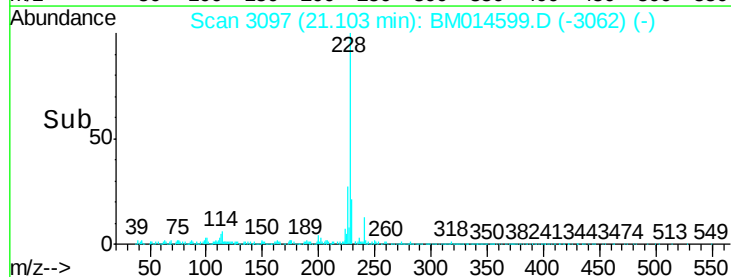
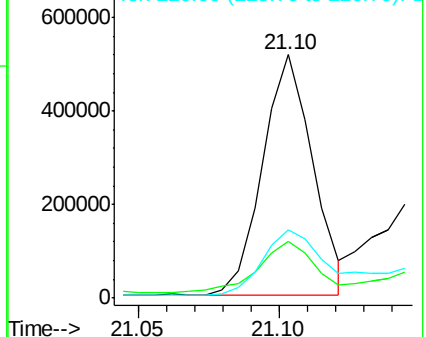
226 28.3 21.4 32.0

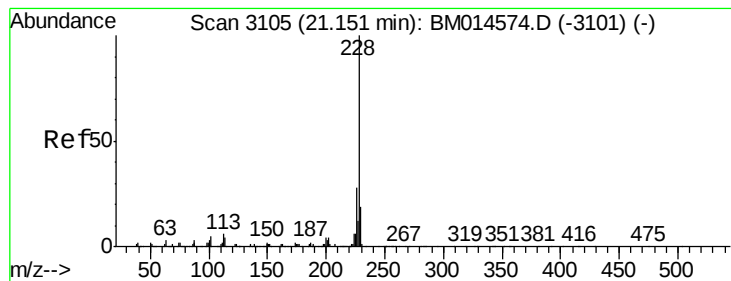


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#22

Chrysene

Concen: 26.095 ng/u1

RT: 21.16 min Scan# 3106

Delta R.T. 0.01 min

Lab File: BM014599.D

Acq: 16 Mar 2018 04:52

Instrument :

BNA_M

ClientSampleId :

BEL38

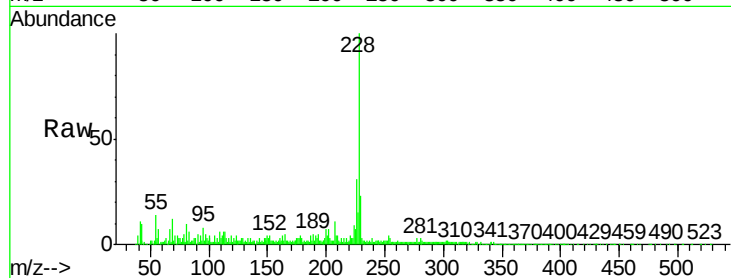
Tgt Ion:228 Resp: 619386

Ion Ratio Lower Upper

228 100

226 31.2 23.4 35.2

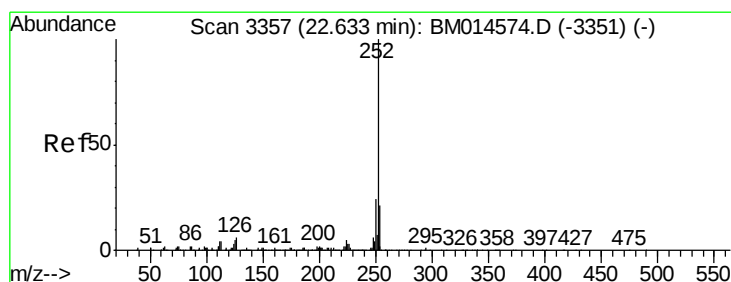
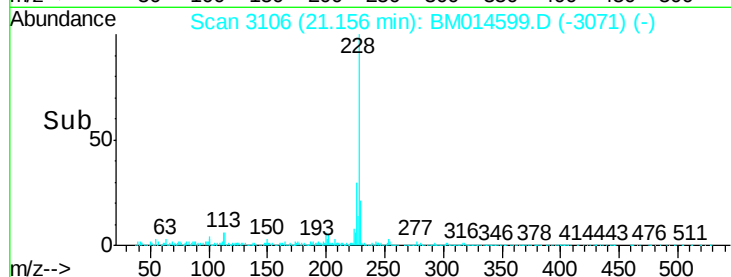
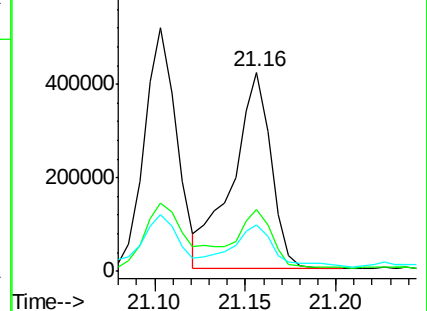
229 23.2 15.5 23.3



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: 29.396 ng/u1

RT: 22.66 min Scan# 3361

Delta R.T. 0.02 min

Lab File: BM014599.D

Acq: 16 Mar 2018 04:52

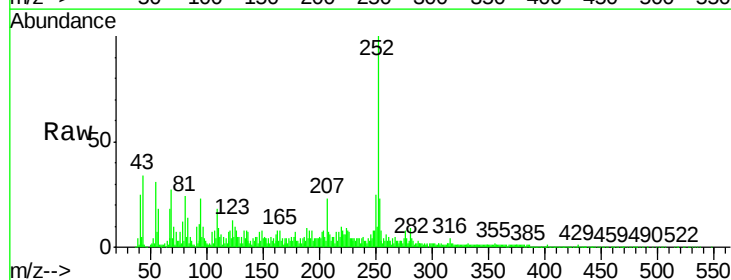
Tgt Ion:252 Resp: 851609

Ion Ratio Lower Upper

252 100

253 23.3 17.9 26.9

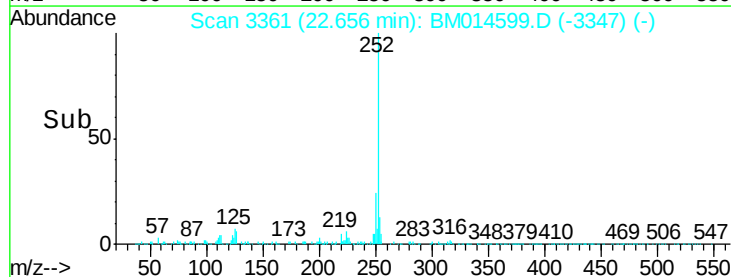
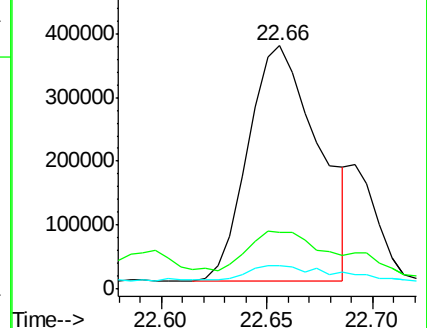
125 9.7 3.6 5.4#

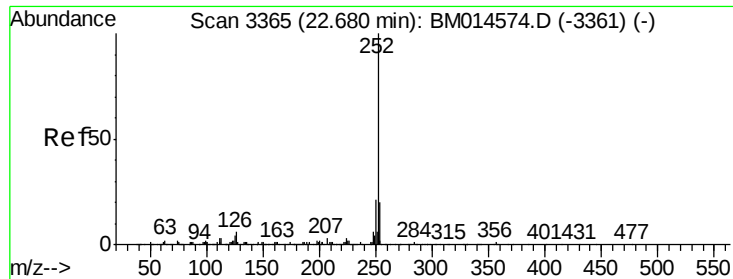


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(k)fluoranthene

Concen: 30.941 ng/ul

RT: 22.66 min Scan# 3361

Delta R.T. -0.02 min

Lab File: BM014599.D

Acq: 16 Mar 2018 04:52

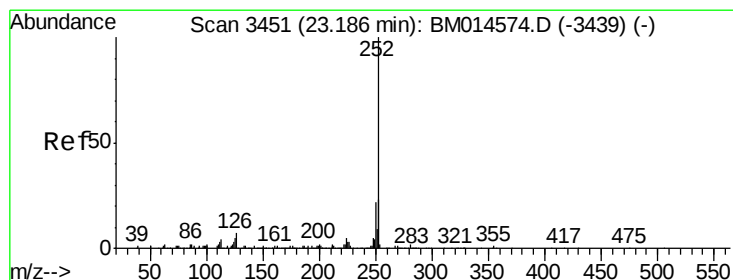
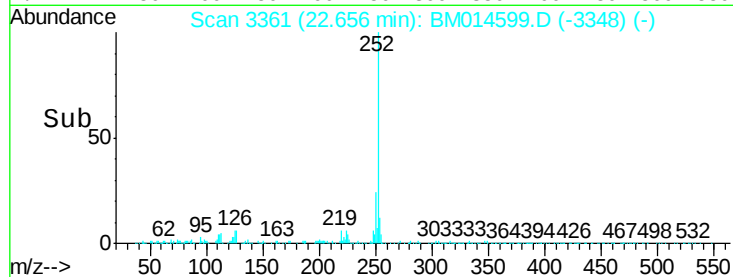
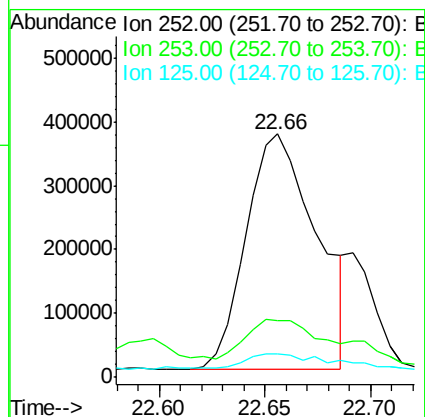
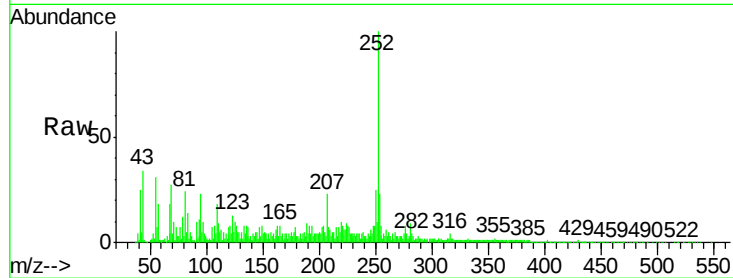
Instrument :

BNA_M

ClientSampled :

BEL38

Tgt Ion:	252	Resp:	851609
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.1	25.7
125	9.7	3.4	5.2#



#27

Benzo(a)pyrene

Concen: 26.565 ng/ul

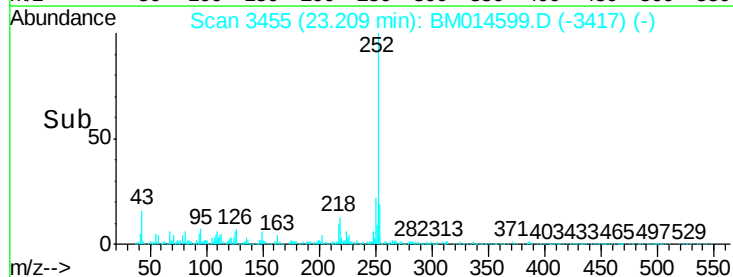
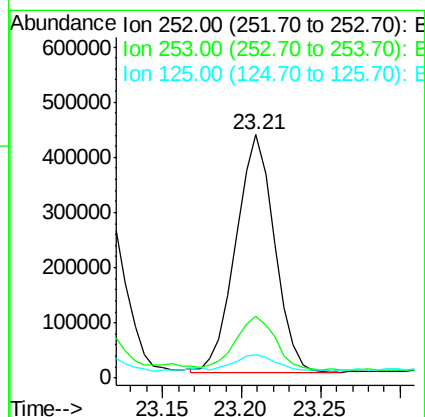
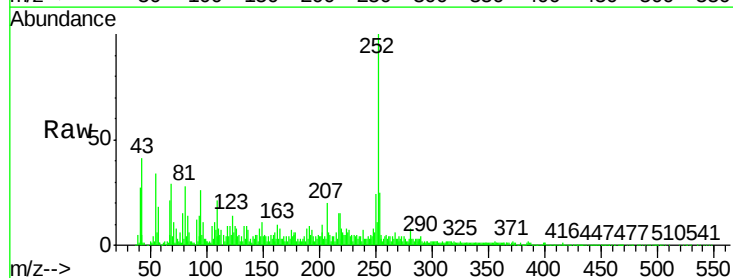
RT: 23.21 min Scan# 3455

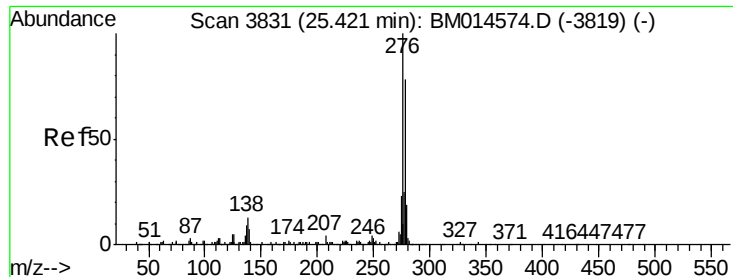
Delta R.T. 0.02 min

Lab File: BM014599.D

Acq: 16 Mar 2018 04:52

Tgt Ion:	252	Resp:	730512
Ion Ratio	Lower	Upper	
252	100		
253	25.2	18.2	27.2
125	9.4	4.0	6.0#





#28

Indeno(1,2,3-cd)pyrene

Concen: 13.842 ng/ul

RT: 25.49 min Scan# 3843

Delta R.T. 0.07 min

Lab File: BM014599.D

Acq: 16 Mar 2018 04:52

Instrument :

BNA_M

ClientSampleId :

BEL38

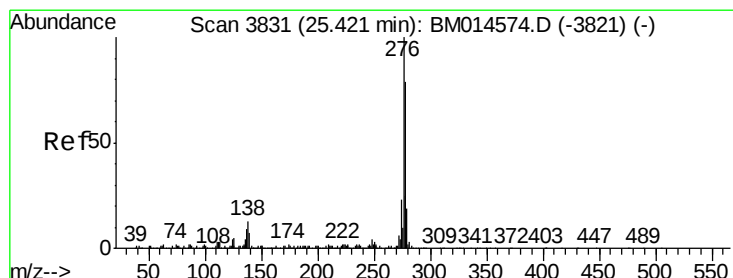
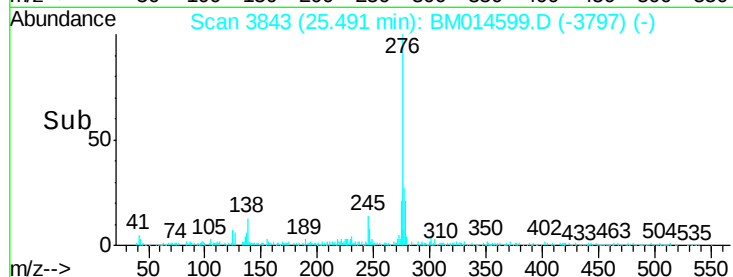
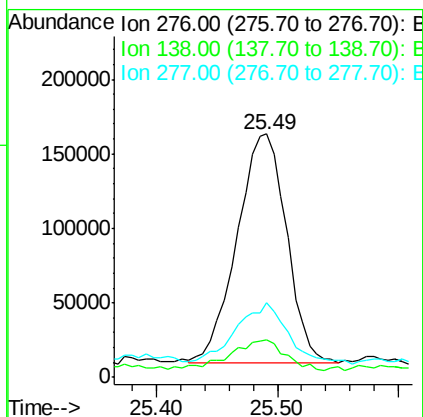
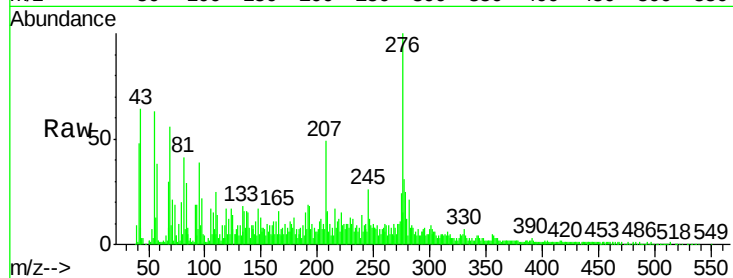
Tgt Ion:276 Resp: 438092

Ion Ratio Lower Upper

276 100

138 15.5 9.3 13.9#

277 30.6 19.9 29.9#



#29

Dibenzo(a,h)anthracene

Concen: 2.473 ng/ul

RT: 25.47 min Scan# 3839

Delta R.T. 0.05 min

Lab File: BM014599.D

Acq: 16 Mar 2018 04:52

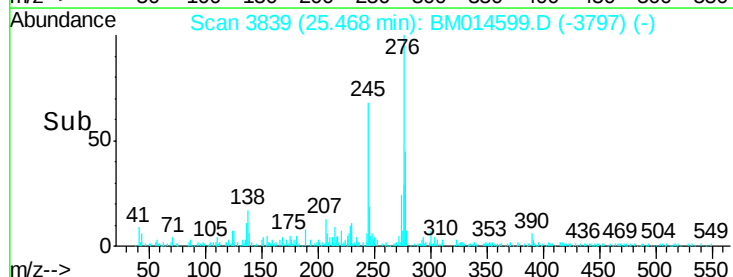
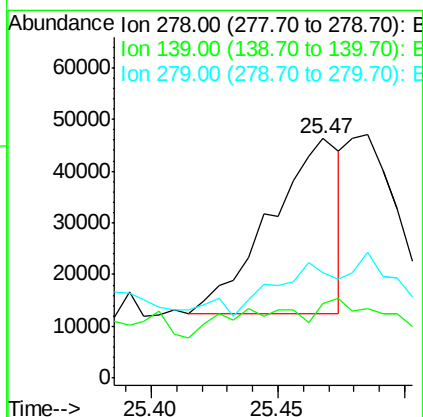
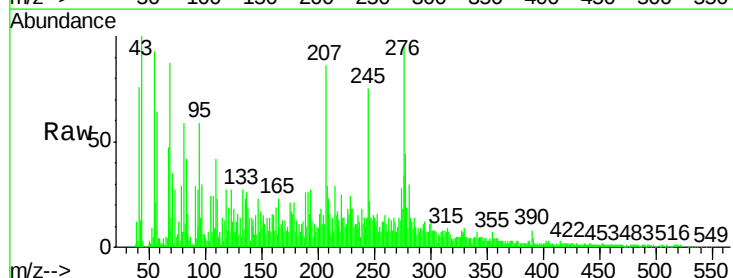
Tgt Ion:278 Resp: 65510

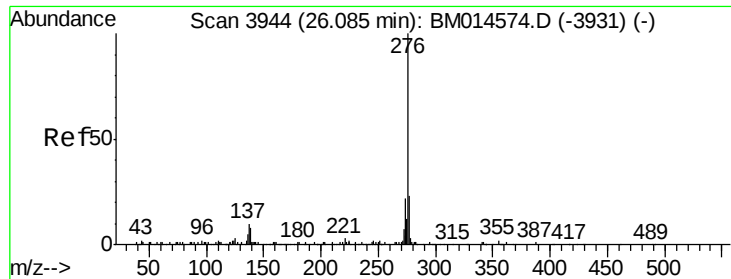
Ion Ratio Lower Upper

278 100

139 31.3 5.8 8.8#

279 44.2 18.6 27.8#





#30

Benzo(g,h,i)perylene

Concen: 21.804 ng/ul

RT: 26.16 min Scan# 3957

Delta R.T. 0.08 min

Lab File: BM014599.D

Acq: 16 Mar 2018 04:52

Instrument :

BNA_M

ClientSampleId :

BEL38

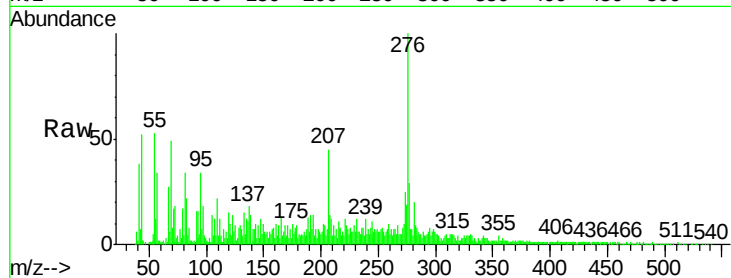
Tgt Ion:276 Resp: 549691

Ion Ratio Lower Upper

276 100

138 14.5 8.5 12.7#

277 28.7 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

