

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_M\DATA\BM031518\
 Data File : BM014598.D
 Acq On : 16 Mar 2018 04:16
 Operator : SJ/JU
 Sample : J1904-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEL02

Quant Time: Mar 16 15:26:09 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	139272	20.00	ng/ul	0.00
2) Naphthalene-d8	10.22	136	543356	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.12	164	270667	20.00	ng/ul	0.00
12) Phenanthrene-d10	16.89	188	457228	20.00	ng/ul	0.00
18) Chrysene-d12	21.13	240	491916	20.00	ng/ul	0.01
23) Perylene-d12	23.29	264	427714	20.00	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2,4-Dichlorophenol-d3	9.89	165	258326	30.76	ng/ul	0.00
7) Acenaphthylene-d8	13.82	160	945895	32.70	ng/ul	0.00
10) Fluorene-d10	15.13	176	594692	31.38	ng/ul	0.00
15) Anthracene-d10	16.99	188	788944	36.04	ng/ul	0.00
19) Pyrene-d10	19.32	212	787483	26.63	ng/ul	0.01
26) Benzo(a)pyrene-d12	23.29	264	425606	20.57	ng/ul	0.15

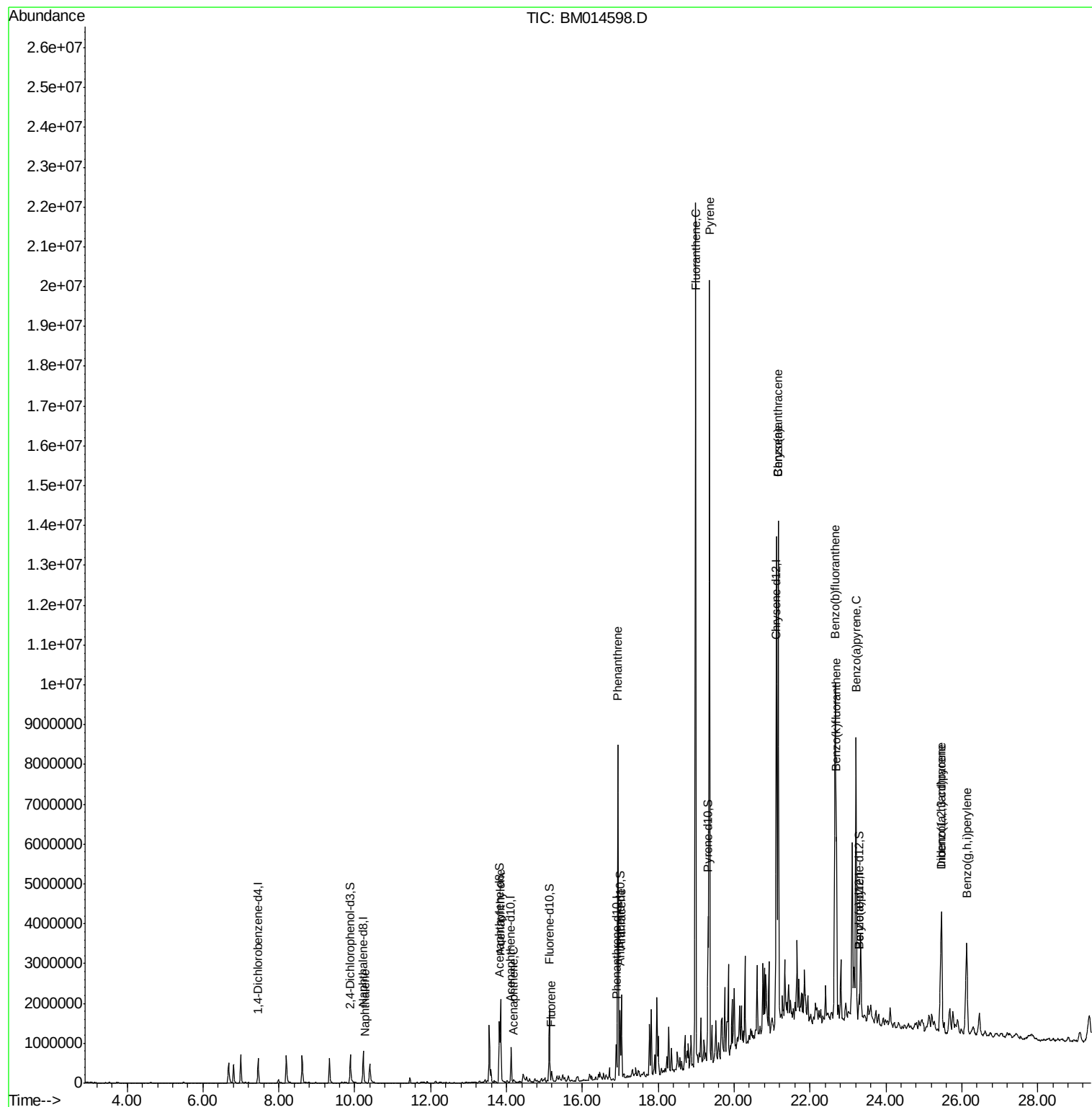
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Naphthalene	10.27	128	31163	1.129	ng/ul#	93
8) Acenaphthylene	13.84	152	1351371	50.332	ng/ul	99
9) Acenaphthene	14.19	153	33148	1.804	ng/ul	91
11) Fluorene	15.19	166	115419	5.301	ng/ul	98
14) Phenanthrene	16.94	178	4263521	166.502	ng/ul	99
16) Anthracene	17.03	178	1105459	43.188	ng/ul	98
17) Fluoranthene	18.99	202	12298359	423.123	ng/ul#	91
20) Pyrene	19.36	202	10942467	295.776	ng/ul#	93
21) Benzo(a)anthracene	21.17	228	5405844	173.778	ng/ul	94
22) Chrysene	21.17	228	5405844	188.996	ng/ul	97
24) Benzo(b)fluoranthene	22.67	252	6043107	224.730	ng/ul#	97
25) Benzo(k)fluoranthene	22.70	252	2355942	92.220	ng/ul#	96
27) Benzo(a)pyrene	23.21	252	4785819	187.500	ng/ul#	99
28) Indeno(1,2,3-cd)pyrene	25.47	276	2963096	100.865	ng/ul	98
29) Dibenzo(a,h)anthracene	25.46	278	777494	31.620	ng/ul#	85
30) Benzo(g,h,i)perylene	26.14	276	2646307	113.086	ng/ul	99

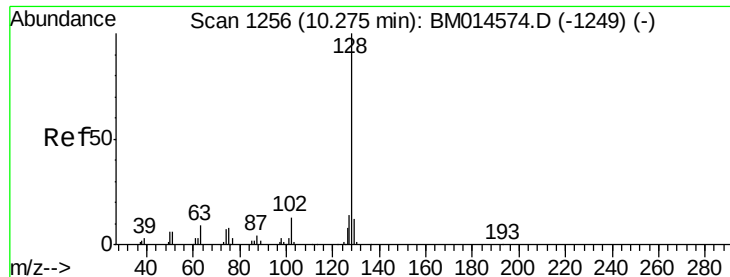
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_M\DATA\BM031518\
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QLast Update : Fri Mar 16 15:09:29 2018
Response via : Initial Calibration





#4

Naphthalene

Concen: 1.129 ng/ul

RT: 10.27 min Scan# 1256

Delta R.T. -0.00 min

Lab File: BM014598.D

Acq: 16 Mar 2018 04:16

Instrument :

BNA_M

ClientSampleId :

BEL02

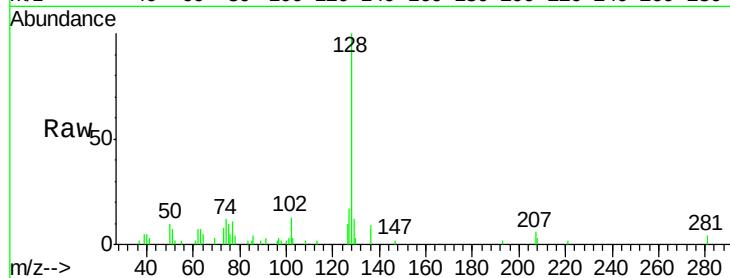
Tgt Ion:128 Resp: 31163

Ion Ratio Lower Upper

128 100

129 12.3 8.8 13.2

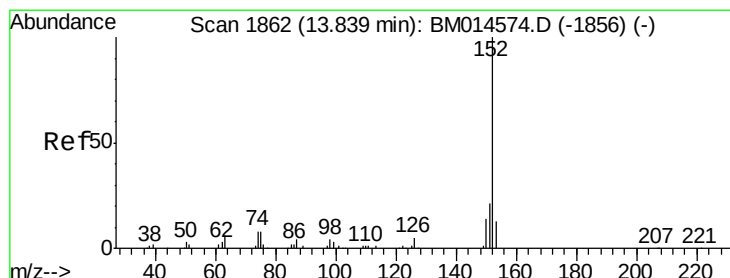
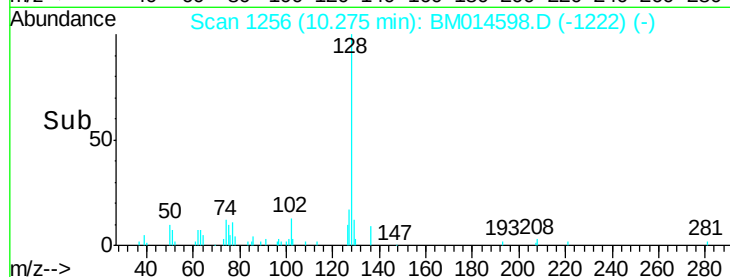
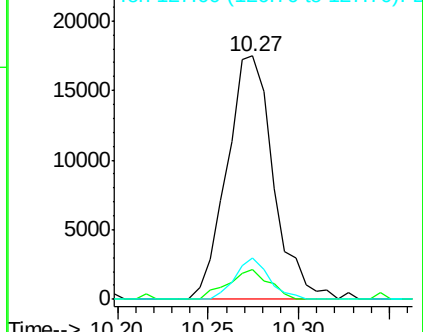
127 17.1 10.6 16.0#



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



#8

Acenaphthylene

Concen: 50.332 ng/ul

RT: 13.84 min Scan# 1863

Delta R.T. 0.01 min

Lab File: BM014598.D

Acq: 16 Mar 2018 04:16

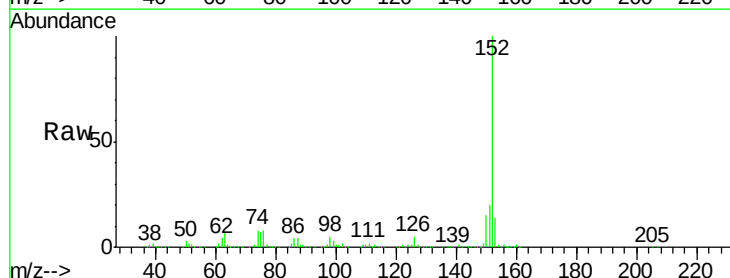
Tgt Ion:152 Resp: 1351371

Ion Ratio Lower Upper

152 100

151 20.4 16.3 24.5

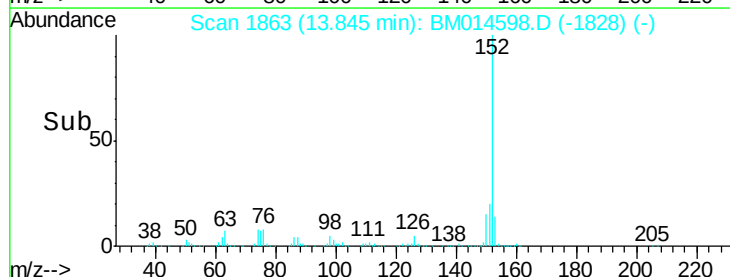
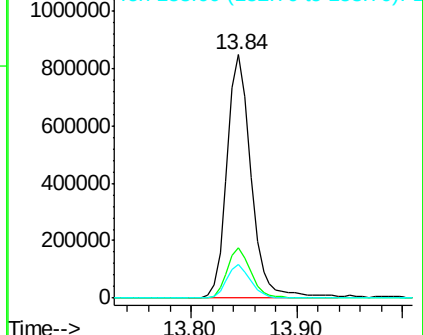
153 14.0 10.2 15.4

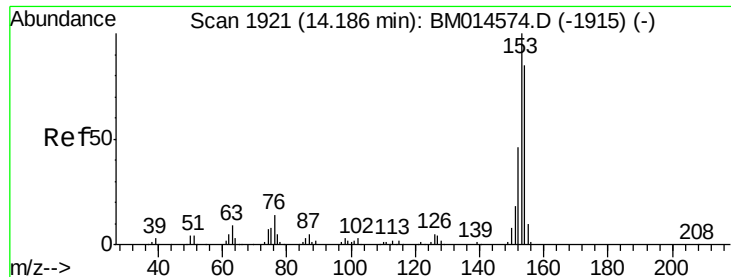


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 1.804 ng/ul

RT: 14.19 min Scan# 1922

Delta R.T. 0.01 min

Lab File: BM014598.D

Acq: 16 Mar 2018 04:16

Instrument :

BNA_M

ClientSampleId :

BEL02

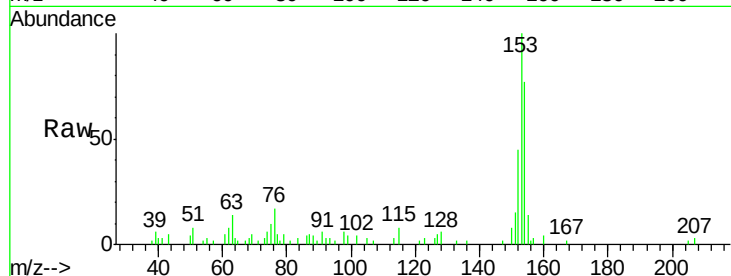
Tgt Ion:153 Resp: 33148

Ion Ratio Lower Upper

153 100

152 45.3 37.6 56.4

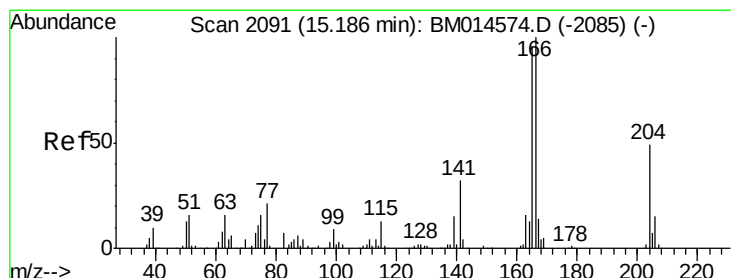
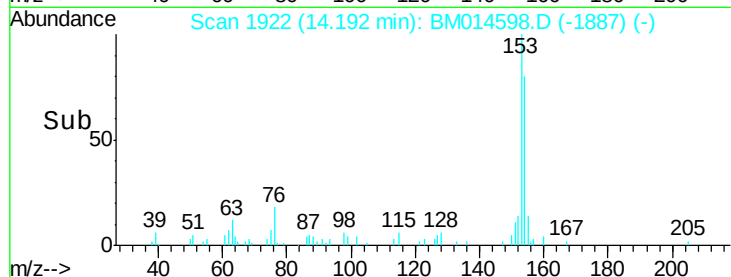
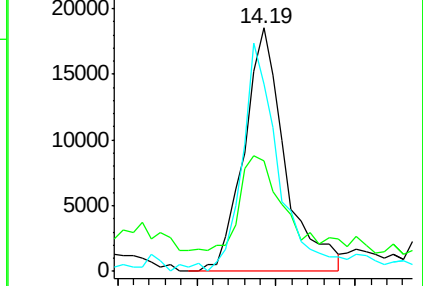
154 76.7 70.4 105.6



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: 5.301 ng/ul

RT: 15.19 min Scan# 2092

Delta R.T. 0.01 min

Lab File: BM014598.D

Acq: 16 Mar 2018 04:16

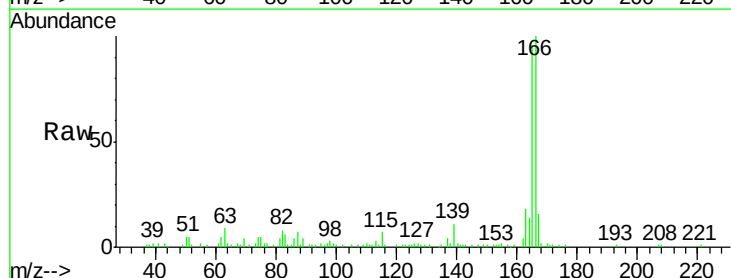
Tgt Ion:166 Resp: 115419

Ion Ratio Lower Upper

166 100

165 95.9 77.9 116.9

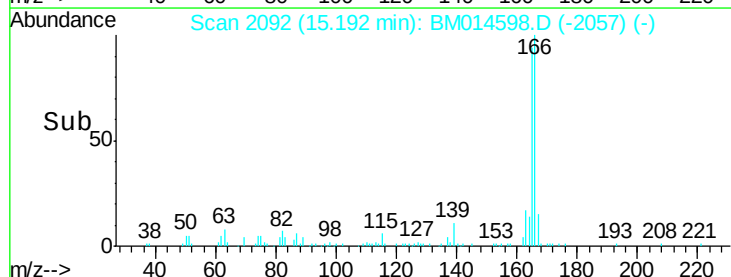
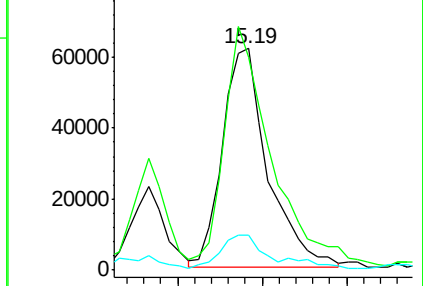
167 15.6 10.6 16.0

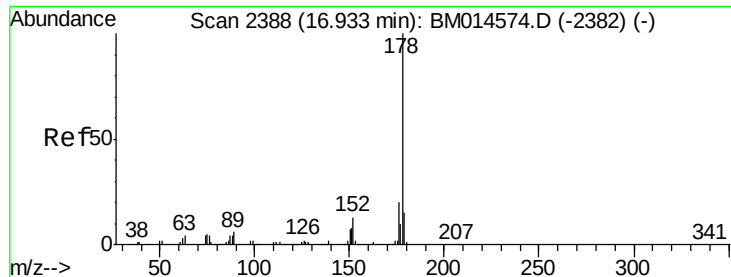


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#14

Phenanthrene

Concen: 166.502 ng/ul

RT: 16.94 min Scan# 2389

Delta R.T. 0.01 min

Lab File: BM014598.D

Acq: 16 Mar 2018 04:16

Instrument :

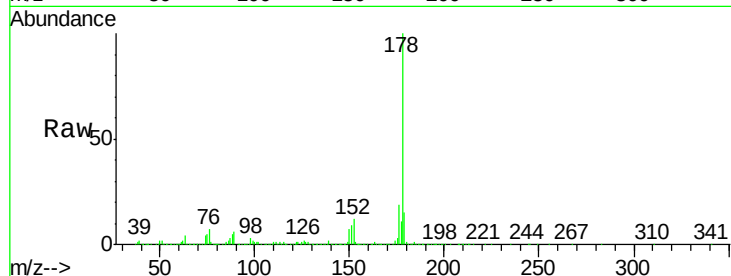
BNA_M

ClientSampleId :

BEL02

Tgt Ion:178 Resp: 4263521

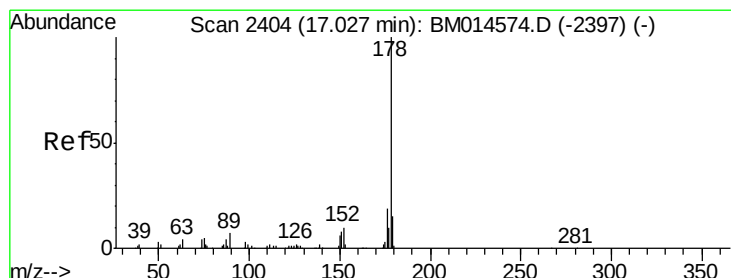
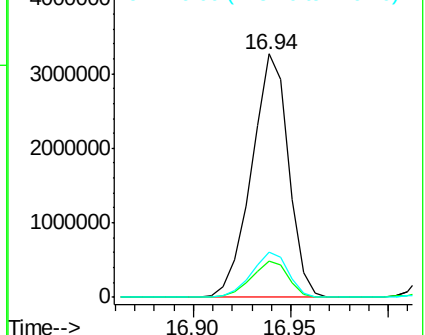
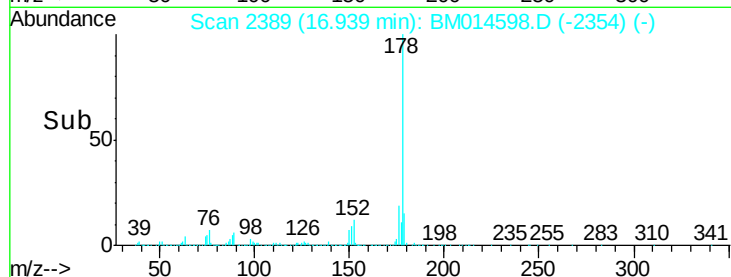
Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.6	19.0
176	18.7	14.9	22.3



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: 43.188 ng/ul

RT: 17.03 min Scan# 2404

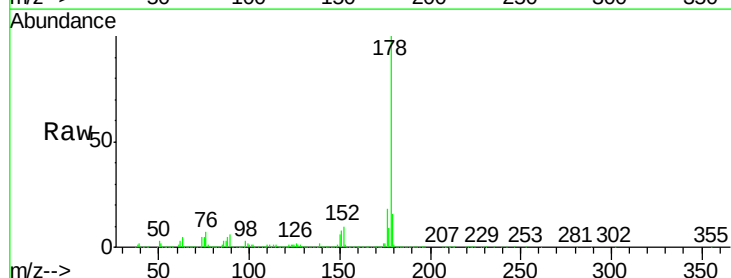
Delta R.T. -0.00 min

Lab File: BM014598.D

Acq: 16 Mar 2018 04:16

Tgt Ion:178 Resp: 1105459

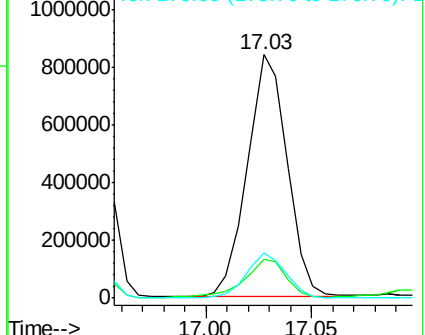
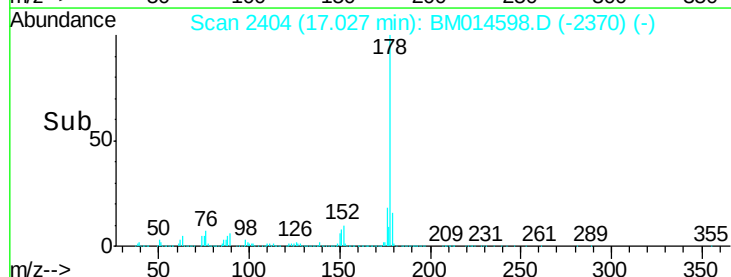
Ion	Ratio	Lower	Upper
178	100		
179	15.9	11.7	17.5
176	18.5	14.6	21.8

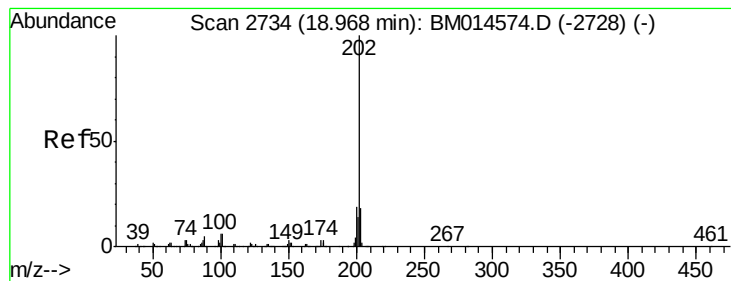


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#17

Fluoranthene

Concen: 423.123 ng/ul

RT: 18.99 min Scan# 2737

Delta R.T. 0.02 min

Lab File: BM014598.D

Acq: 16 Mar 2018 04:16

Instrument :

BNA_M

ClientSampled :

BEL02

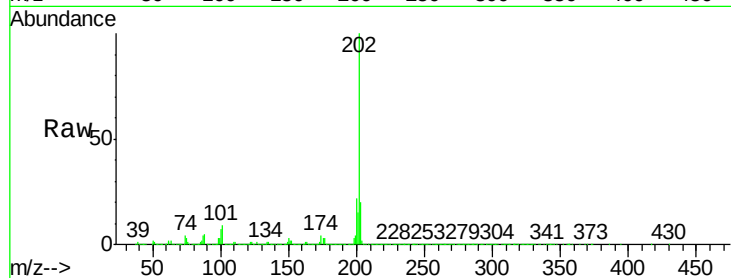
Tgt Ion:202 Resp:12298359

Ion Ratio Lower Upper

202 100

101 9.1 4.6 7.0#

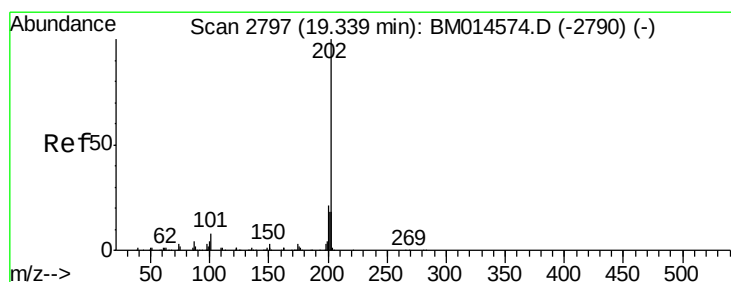
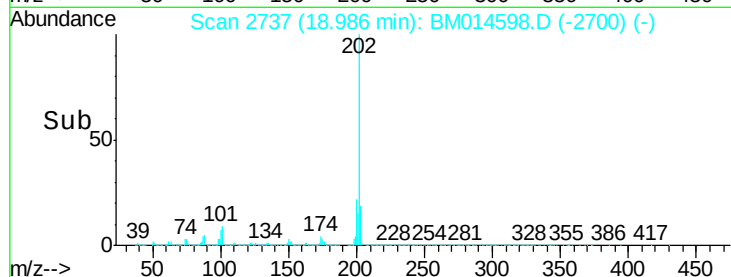
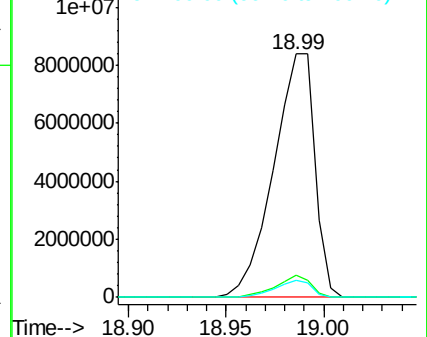
100 7.2 3.4 5.2#



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: 295.776 ng/ul

RT: 19.36 min Scan# 2800

Delta R.T. 0.02 min

Lab File: BM014598.D

Acq: 16 Mar 2018 04:16

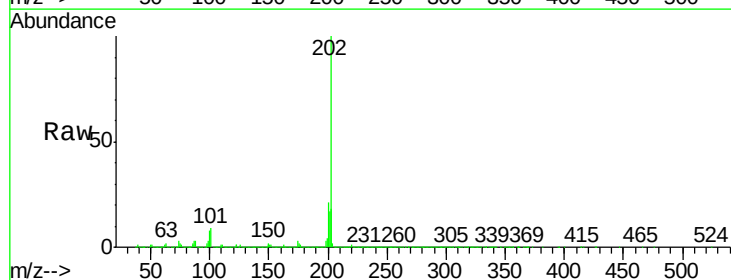
Tgt Ion:202 Resp:10942467

Ion Ratio Lower Upper

202 100

101 9.1 5.1 7.7#

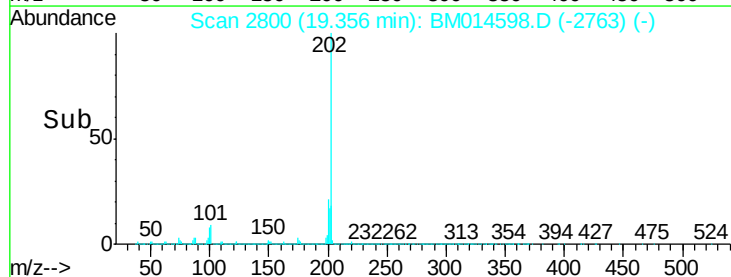
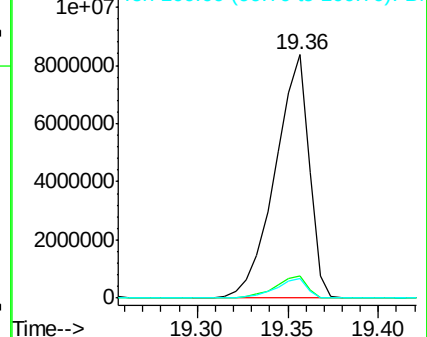
100 7.8 4.9 7.3#

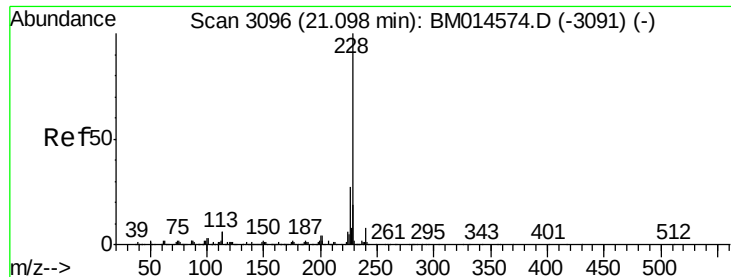


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 173.778 ng/ul

RT: 21.17 min Scan# 3108

Delta R.T. 0.07 min

Lab File: BM014598.D

Acq: 16 Mar 2018 04:16

Instrument :

BNA_M

ClientSampleId :

BEL02

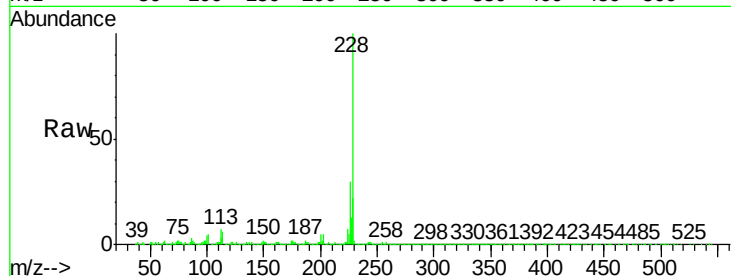
Tgt Ion:228 Resp: 5405844

Ion Ratio Lower Upper

228 100

229 21.8 15.4 23.0

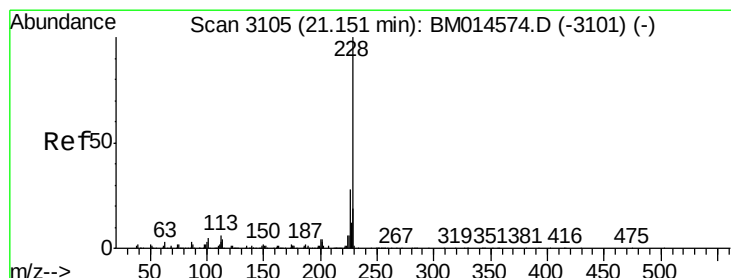
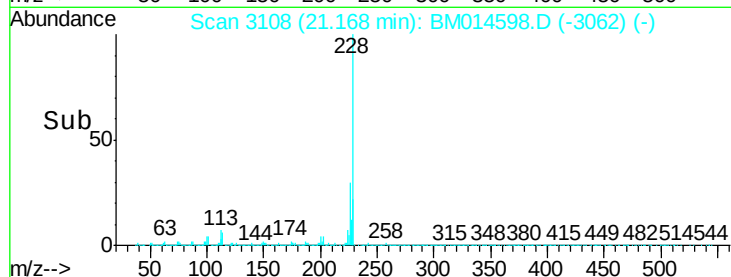
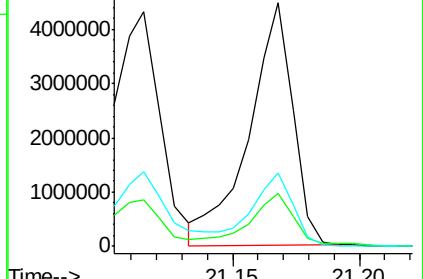
226 29.9 21.4 32.0



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: 188.996 ng/ul

RT: 21.17 min Scan# 3108

Delta R.T. 0.02 min

Lab File: BM014598.D

Acq: 16 Mar 2018 04:16

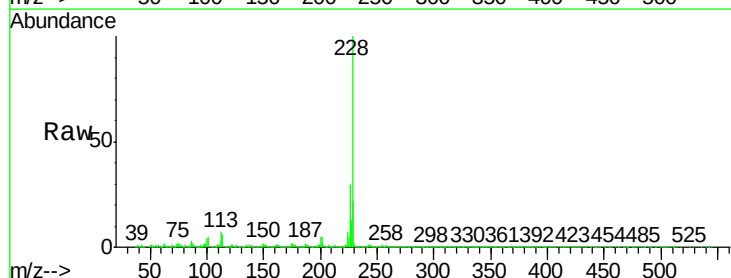
Tgt Ion:228 Resp: 5405844

Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.2

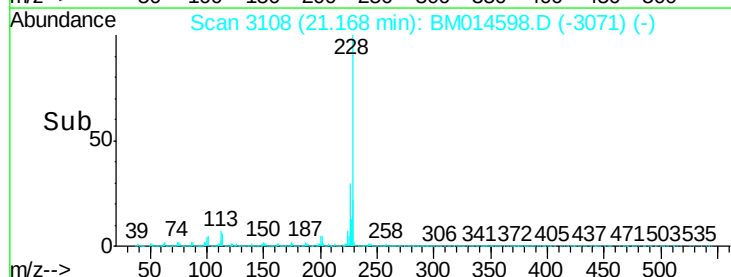
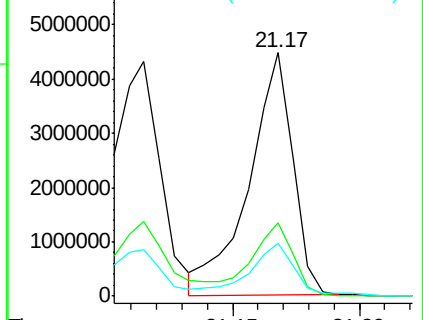
229 21.8 15.5 23.3

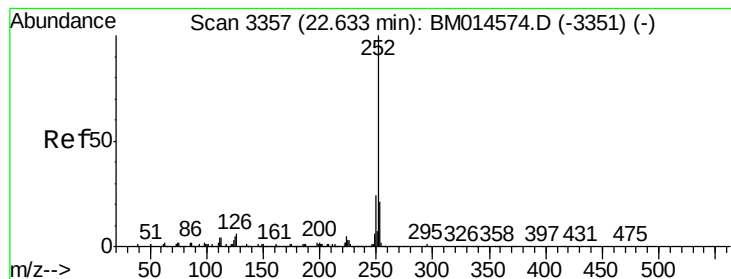


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 224.730 ng/ul

RT: 22.67 min Scan# 3363

Delta R.T. 0.04 min

Lab File: BM014598.D

Acq: 16 Mar 2018 04:16

Instrument :

BNA_M

ClientSampleId :

BEL02

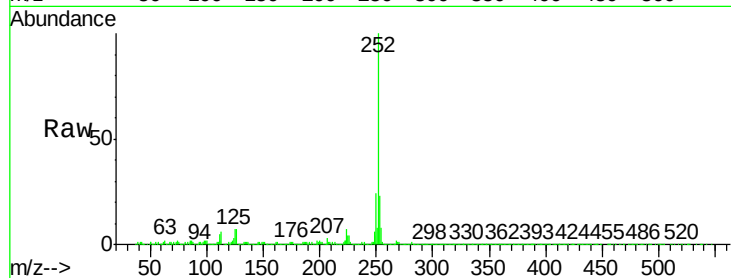
Tgt Ion:252 Resp: 6043107

Ion Ratio Lower Upper

252 100

253 23.1 17.9 26.9

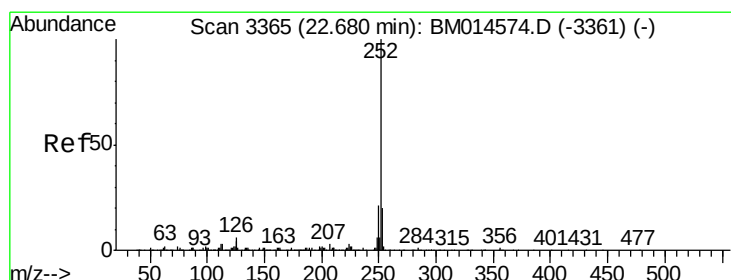
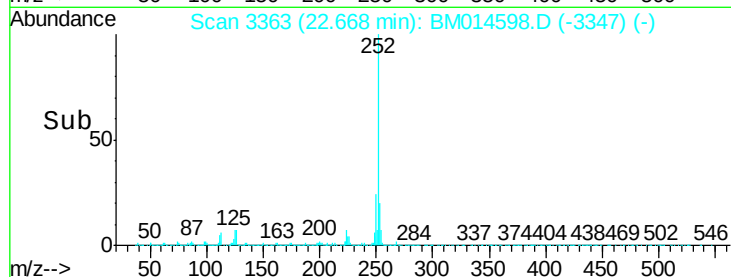
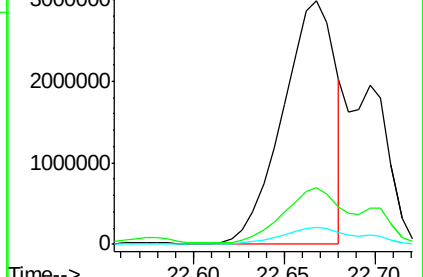
125 6.9 3.6 5.4#



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: 92.220 ng/ul

RT: 22.70 min Scan# 3368

Delta R.T. 0.02 min

Lab File: BM014598.D

Acq: 16 Mar 2018 04:16

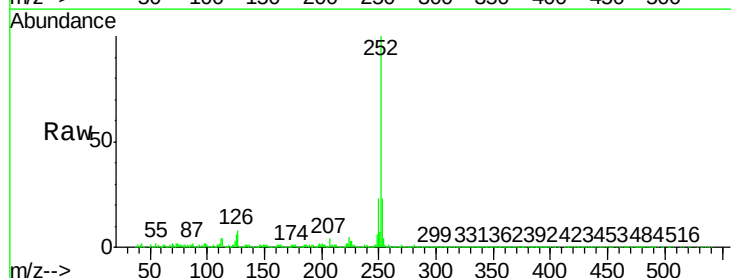
Tgt Ion:252 Resp: 2355942

Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

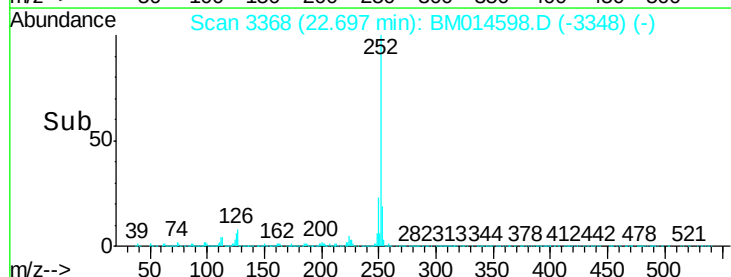
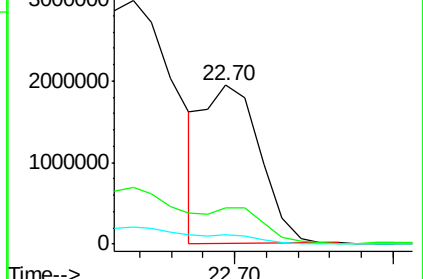
125 6.0 3.4 5.2#

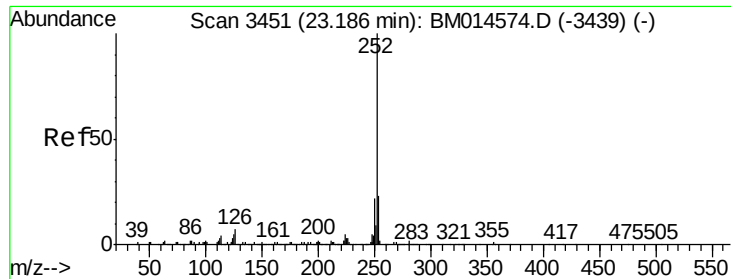


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 187.500 ng/ul

RT: 23.21 min Scan# 3456

Delta R.T. 0.03 min

Lab File: BM014598.D

Acq: 16 Mar 2018 04:16

Instrument :

BNA_M

ClientSampleId :

BEL02

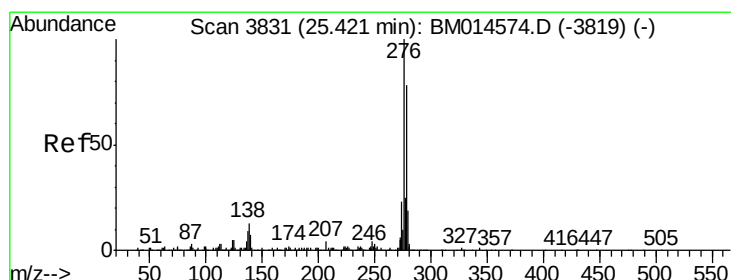
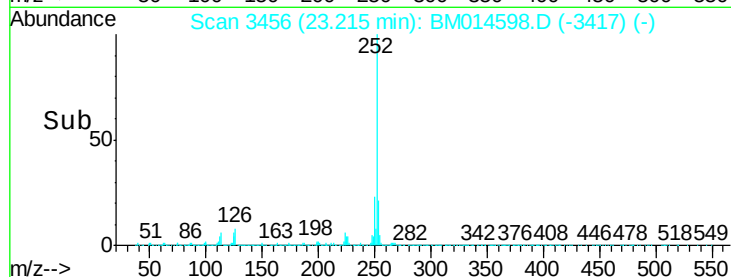
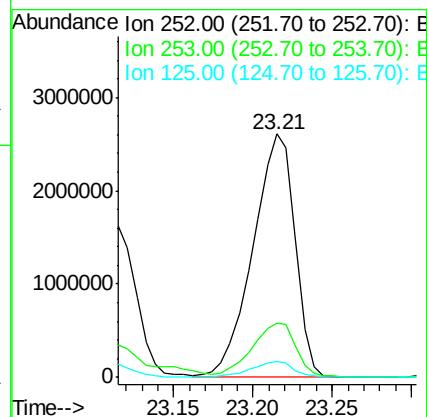
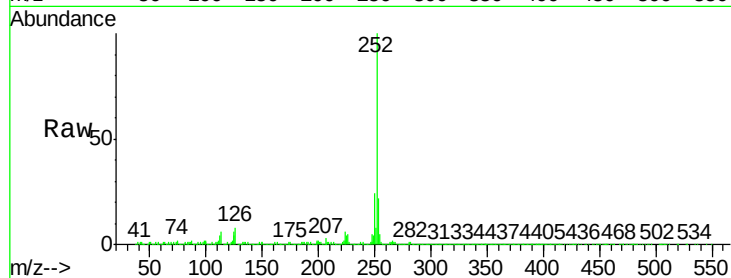
Tgt Ion:252 Resp: 4785819

Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.2

125 6.2 4.0 6.0#



#28

Indeno(1,2,3-cd)pyrene

Concen: 100.865 ng/ul

RT: 25.47 min Scan# 3840

Delta R.T. 0.05 min

Lab File: BM014598.D

Acq: 16 Mar 2018 04:16

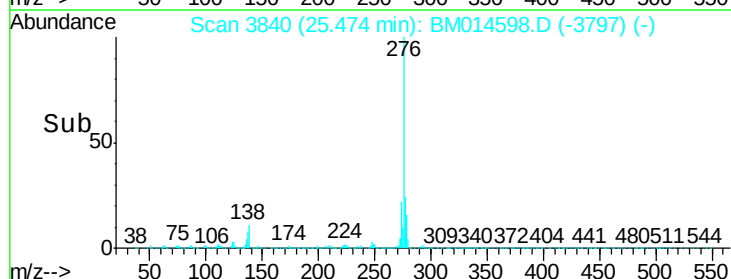
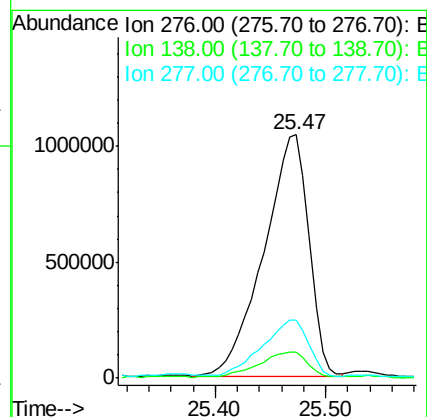
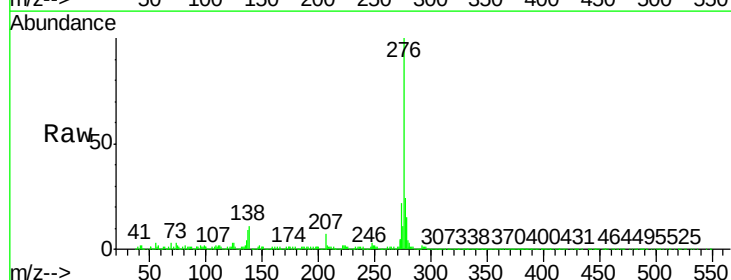
Tgt Ion:276 Resp: 2963096

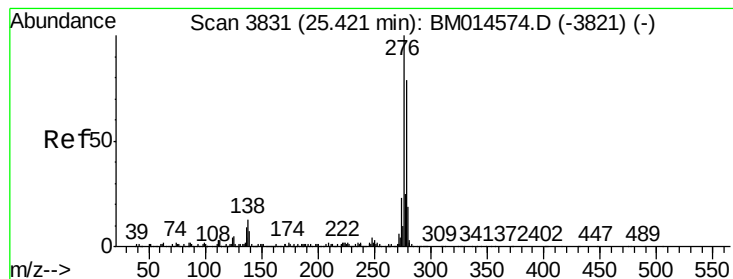
Ion Ratio Lower Upper

276 100

138 10.8 9.3 13.9

277 24.1 19.9 29.9





#29

Dibenzo(a,h)anthracene

Concen: 31.620 ng/ul

RT: 25.46 min Scan# 3837

Delta R.T. 0.04 min

Lab File: BM014598.D

Acq: 16 Mar 2018 04:16

Instrument :

BNA_M

ClientSampleId :

BEL02

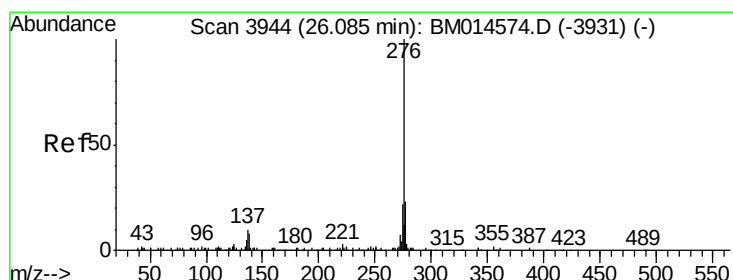
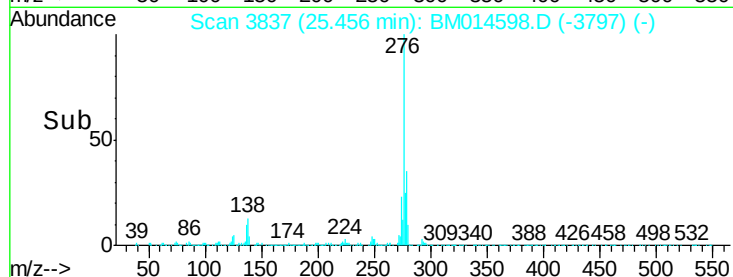
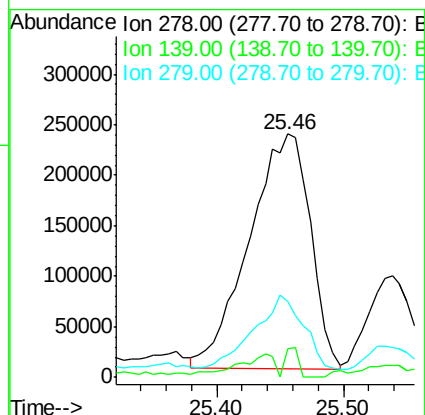
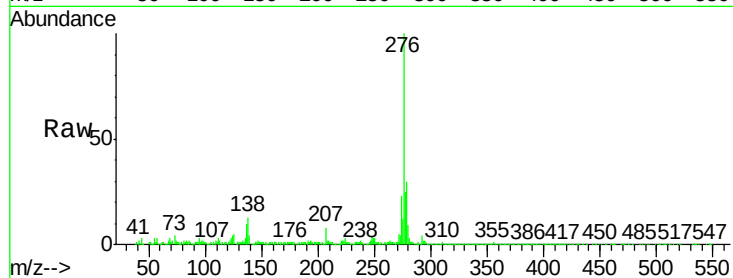
Tgt Ion:278 Resp: 777494

Ion Ratio Lower Upper

278 100

139 12.0 5.8 8.8#

279 30.9 18.6 27.8#



#30

Benzo(g,h,i)perylene

Concen: 113.086 ng/ul

RT: 26.14 min Scan# 3953

Delta R.T. 0.05 min

Lab File: BM014598.D

Acq: 16 Mar 2018 04:16

Tgt Ion:276 Resp: 2646307

Ion Ratio Lower Upper

276 100

138 11.1 8.5 12.7

277 23.7 18.6 28.0

