

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_M\DATA\BM031518\
 Data File : BM014594.D
 Acq On : 16 Mar 2018 01:52
 Operator : SJ/JU
 Sample : J1904-08
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEL18

Quant Time: Mar 16 15:24:52 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

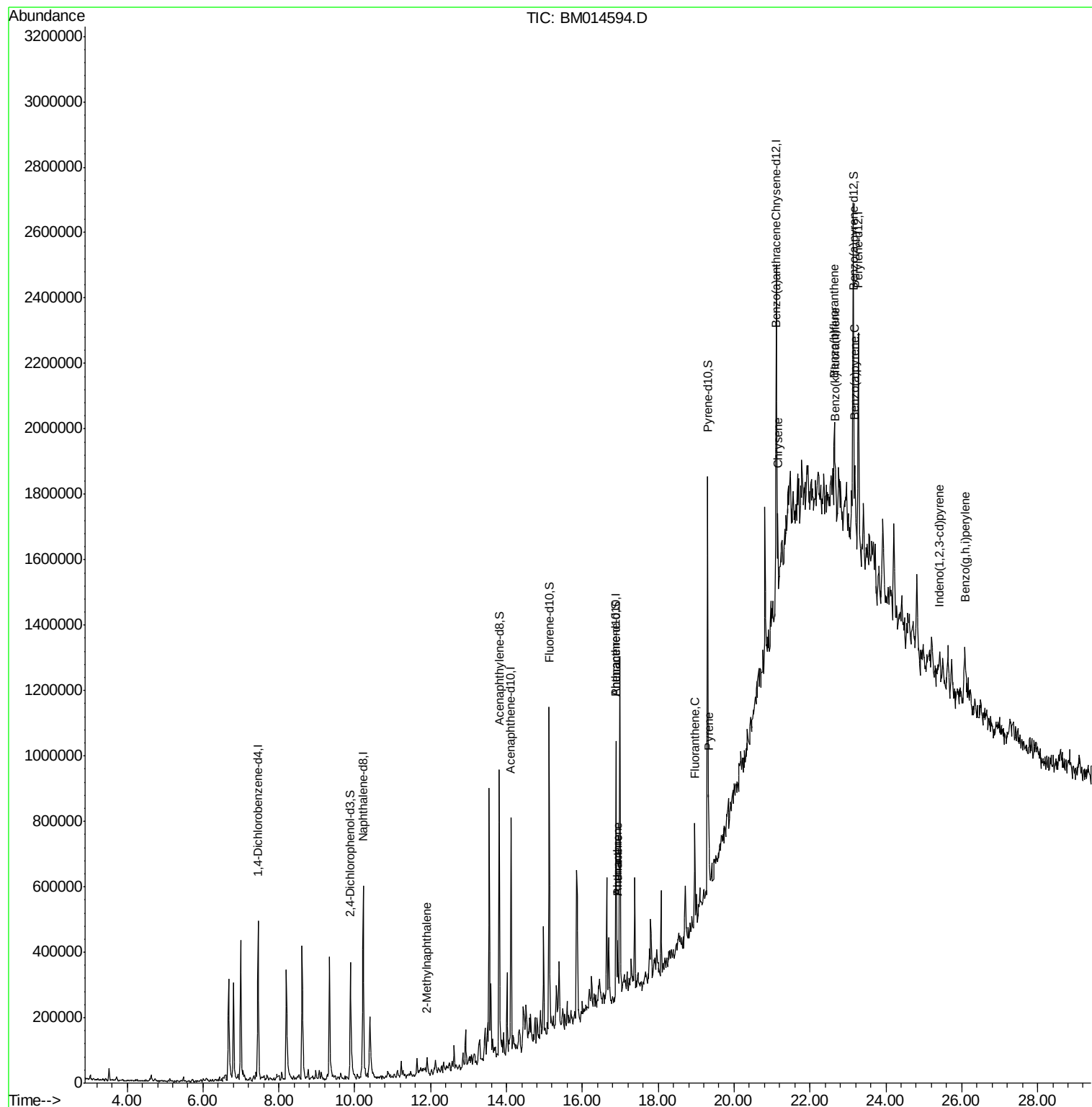
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	111168	20.00	ng/ul	0.00
2) Naphthalene-d8	10.22	136	414004	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.12	164	206402	20.00	ng/ul	0.00
12) Phenanthrene-d10	16.89	188	385963	20.00	ng/ul	0.00
18) Chrysene-d12	21.11	240	377657	20.00	ng/ul	0.00
23) Perylene-d12	23.27	264	381386	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	9.89	165	130976	20.47	ng/ul	0.00
7) Acenaphthylene-d8	13.81	160	523033	23.71	ng/ul	0.00
10) Fluorene-d10	15.13	176	341741	23.65	ng/ul	0.00
15) Anthracene-d10	16.89	188	385963	20.89	ng/ul	-0.11
19) Pyrene-d10	19.30	212	505887	22.28	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.14	264	498454	27.02	ng/ul	0.00
Target Compounds				Qvalue		
5) 2-Methylnaphthalene	11.90	142	28004	1.903	ng/ul	90
14) Phenanthrene	16.93	178	83996	3.886	ng/ul	96
16) Anthracene	16.93	178	85097	3.938	ng/ul	94
17) Fluoranthene	18.97	202	152492	6.215	ng/ul#	91
20) Pyrene	19.33	202	148465	5.227	ng/ul	98
21) Benzo(a)anthracene	21.10	228	95259	3.989	ng/ul#	92
22) Chrysene	21.15	228	95087	4.330	ng/ul#	93
24) Benzo(b)fluoranthene	22.64	252	127633	5.323	ng/ul#	88
25) Benzo(k)fluoranthene	22.67	252	35867	1.574	ng/ul#	83
27) Benzo(a)pyrene	23.19	252	99681	4.380	ng/ul#	84
28) Indeno(1,2,3-cd)pyrene	25.42	276	42177	1.610	ng/ul#	92
30) Benzo(g,h,i)perylene	26.08	276	41124	1.971	ng/ul#	89

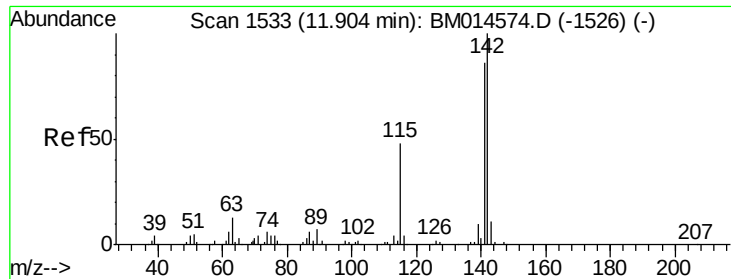
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

2-Methylnaphthalene

Concen: 1.903 ng/ul

RT: 11.90 min Scan# 1533

Delta R.T. -0.00 min

Lab File: BM014594.D

Acq: 16 Mar 2018 01:52

Instrument :

BNA_M

ClientSampleId :

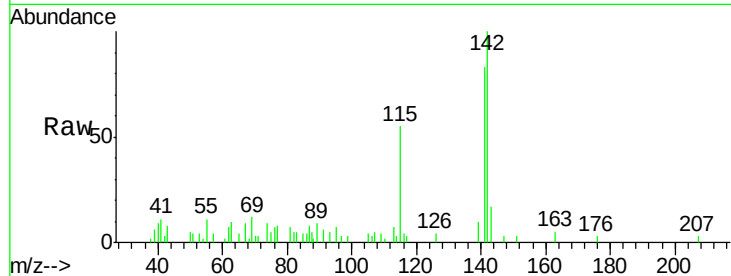
BEL18

Tgt Ion:142 Resp: 28004

Ion Ratio Lower Upper

142 100

141 83.5 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.90

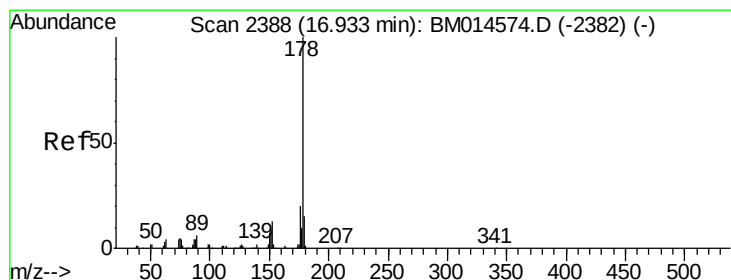
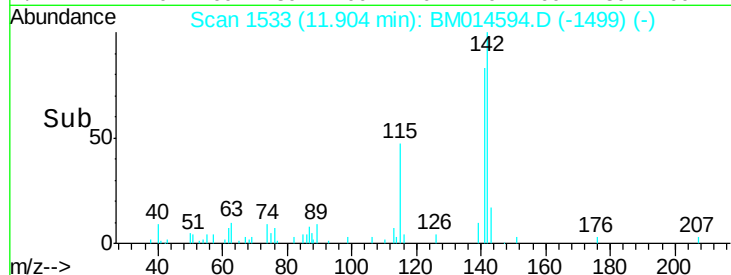
15000

10000

5000

0

Time-->



#14

Phenanthrene

Concen: 3.886 ng/ul

RT: 16.93 min Scan# 2388

Delta R.T. -0.00 min

Lab File: BM014594.D

Acq: 16 Mar 2018 01:52

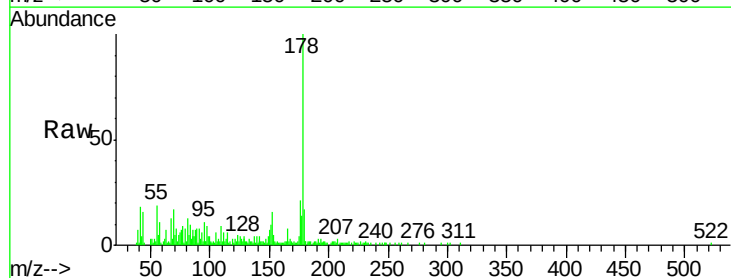
Tgt Ion:178 Resp: 83996

Ion Ratio Lower Upper

178 100

179 16.7 12.6 19.0

176 20.9 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

16.93

80000

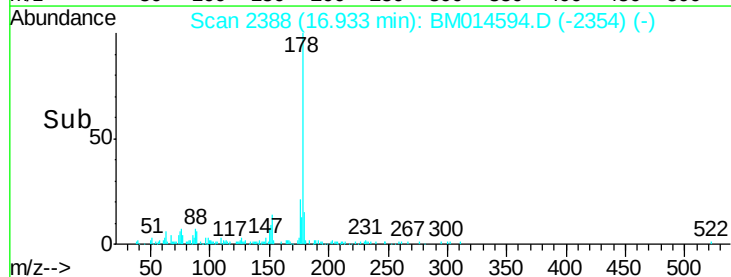
60000

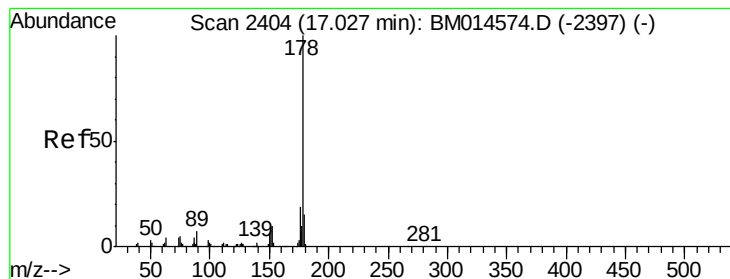
40000

20000

0

Time-->





#16

Anthracene

Concen: 3.938 ng/ul

RT: 16.93 min Scan# 2388

Delta R.T. -0.09 min

Lab File: BM014594.D

Acq: 16 Mar 2018 01:52

Instrument :

BNA_M

ClientSampleId :

BEL18

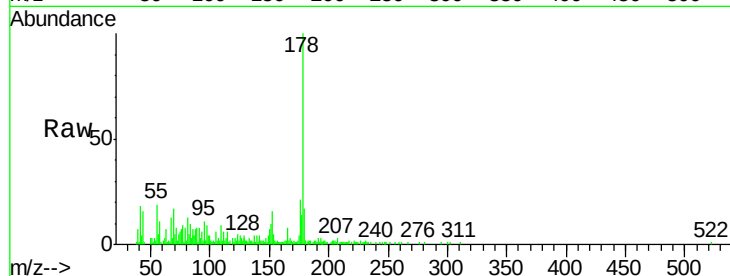
Tgt Ion:178 Resp: 85097

Ion Ratio Lower Upper

178 100

179 16.7 11.7 17.5

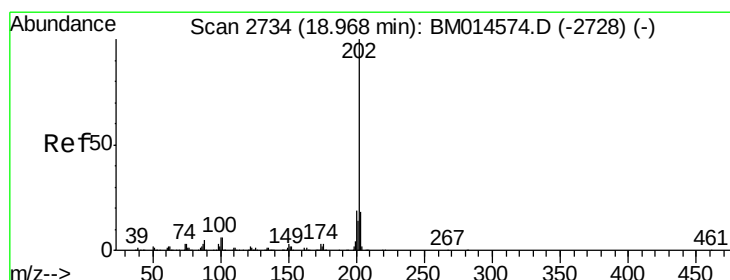
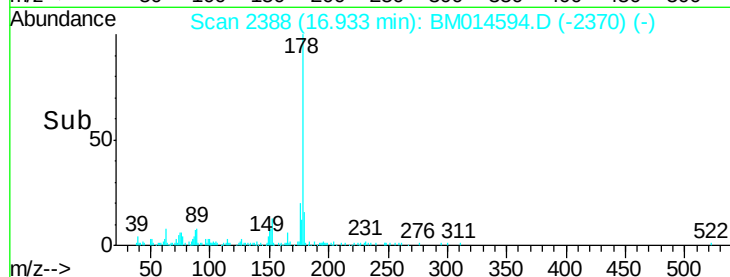
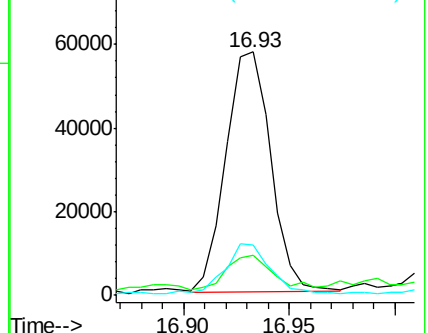
176 20.9 14.6 21.8



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: 6.215 ng/ul

RT: 18.97 min Scan# 2734

Delta R.T. -0.00 min

Lab File: BM014594.D

Acq: 16 Mar 2018 01:52

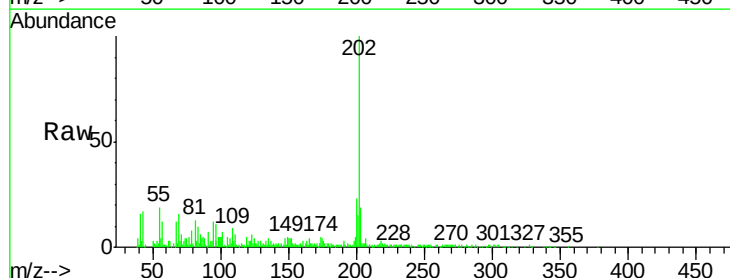
Tgt Ion:202 Resp: 152492

Ion Ratio Lower Upper

202 100

101 6.7 4.6 7.0

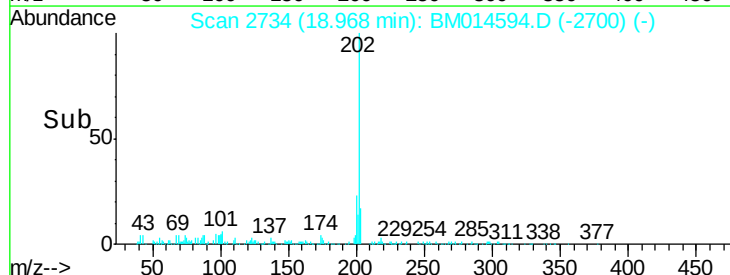
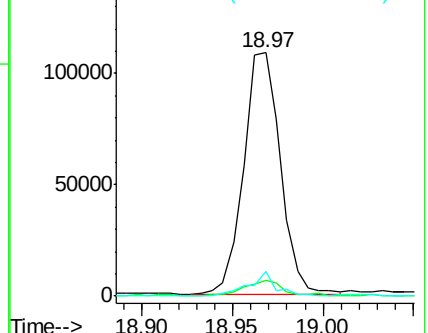
100 10.1 3.4 5.2#

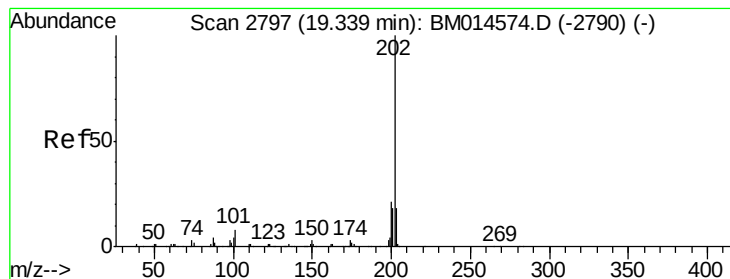


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Pyrene

Concen: 5.227 ng/ul

RT: 19.33 min Scan# 2796

Delta R.T. -0.01 min

Lab File: BM014594.D

Acq: 16 Mar 2018 01:52

Instrument :

BNA_M

ClientSampleId :

BEL18

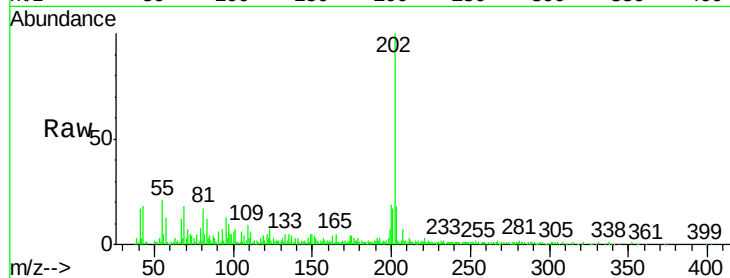
Tgt Ion:202 Resp: 148465

Ion Ratio Lower Upper

202 100

101 7.5 5.1 7.7

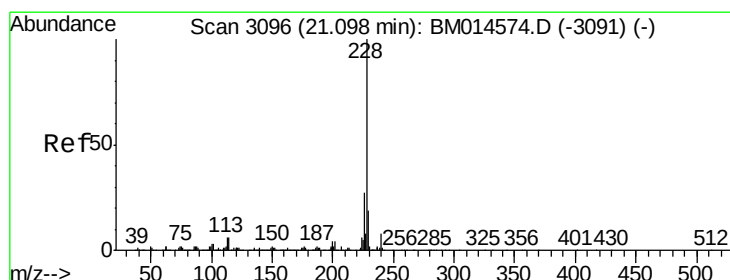
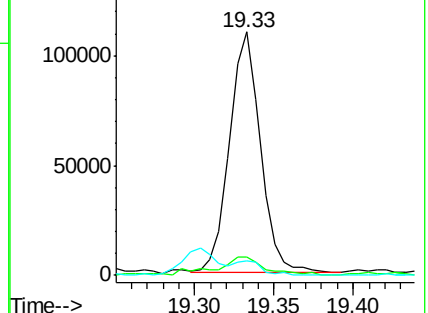
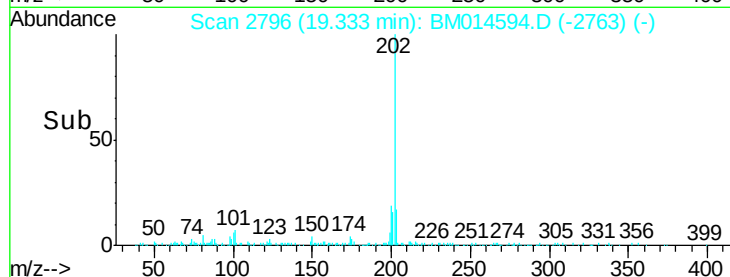
100 6.1 4.9 7.3



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: 3.989 ng/ul

RT: 21.10 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BM014594.D

Acq: 16 Mar 2018 01:52

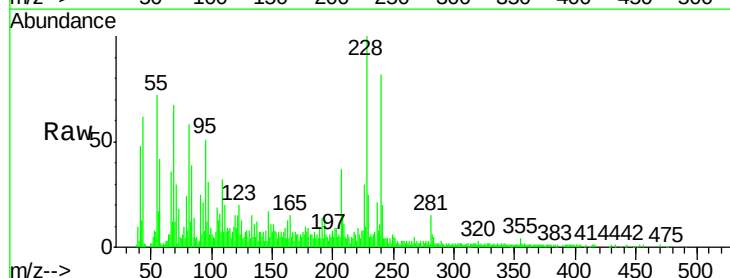
Tgt Ion:228 Resp: 95259

Ion Ratio Lower Upper

228 100

229 24.7 15.4 23.0#

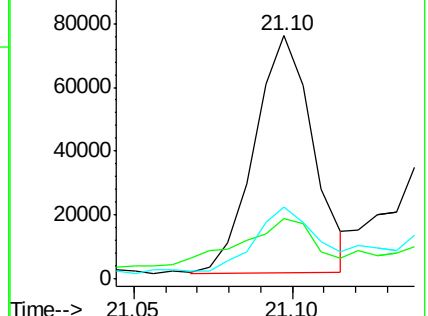
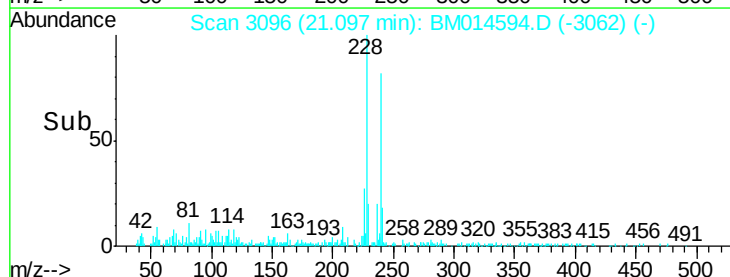
226 29.5 21.4 32.0

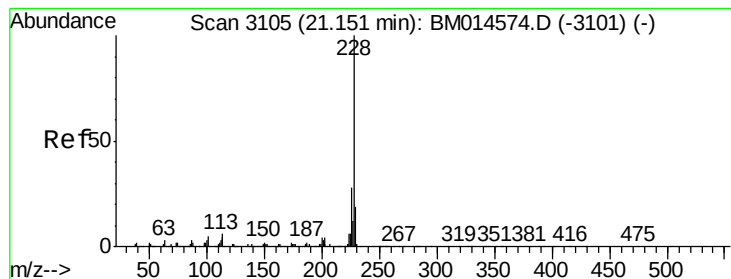


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#22

Chrysene

Concen: 4.330 ng/ul

RT: 21.15 min Scan# 3105

Delta R.T. -0.00 min

Lab File: BM014594.D

Acq: 16 Mar 2018 01:52

Instrument :

BNA_M

ClientSampleId :

BEL18

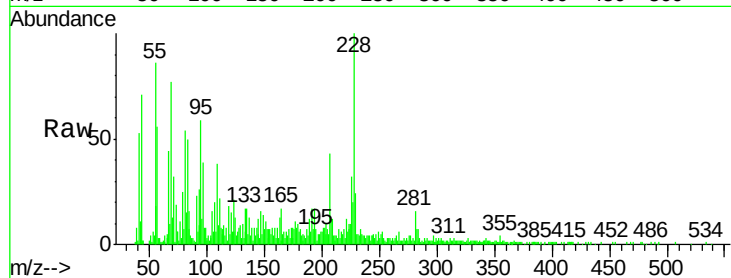
Tgt Ion:228 Resp: 95087

Ion Ratio Lower Upper

228 100

226 31.9 23.4 35.2

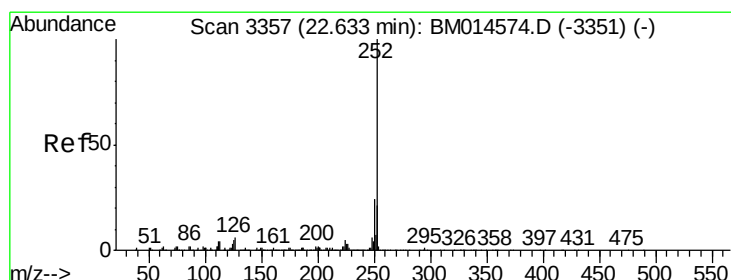
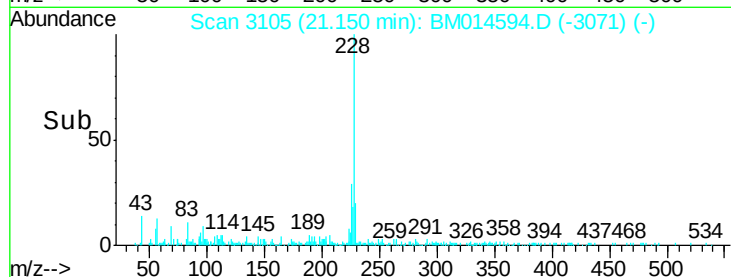
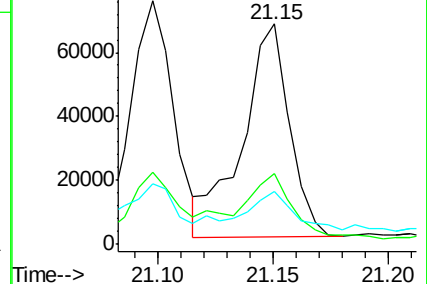
229 24.2 15.5 23.3#



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: 5.323 ng/ul

RT: 22.64 min Scan# 3358

Delta R.T. 0.01 min

Lab File: BM014594.D

Acq: 16 Mar 2018 01:52

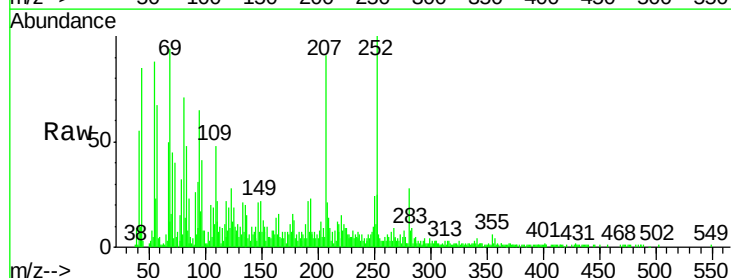
Tgt Ion:252 Resp: 127633

Ion Ratio Lower Upper

252 100

253 24.9 17.9 26.9

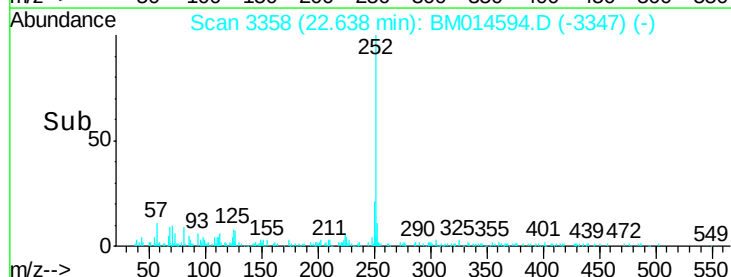
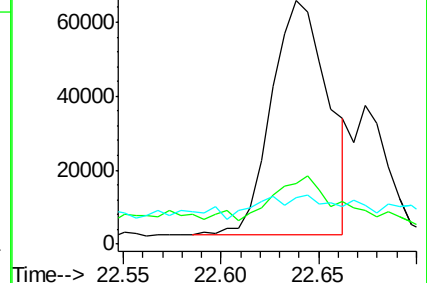
125 19.1 3.6 5.4#

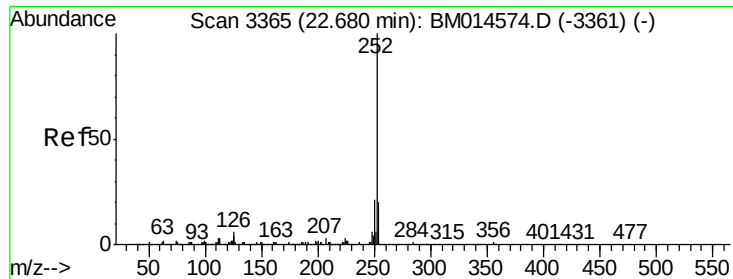


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(k)fluoranthene

Concen: 1.574 ng/ul

RT: 22.67 min Scan# 3364

Delta R.T. -0.01 min

Lab File: BM014594.D

Acq: 16 Mar 2018 01:52

Instrument :

BNA_M

ClientSampleId :

BEL18

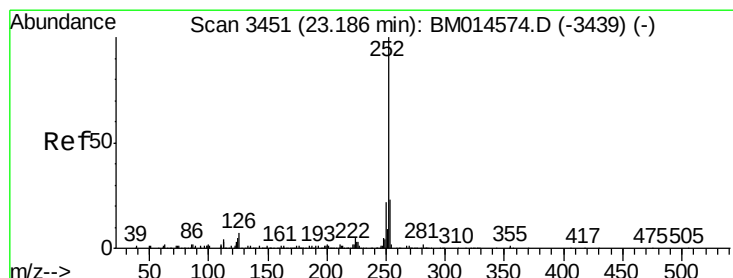
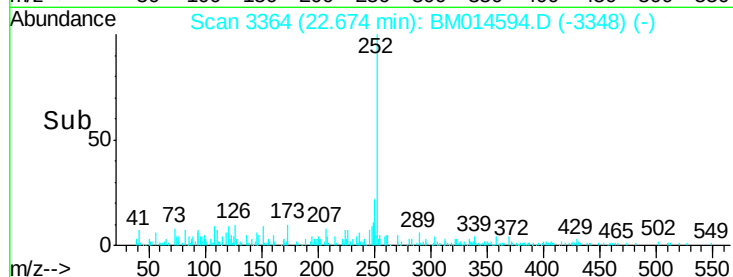
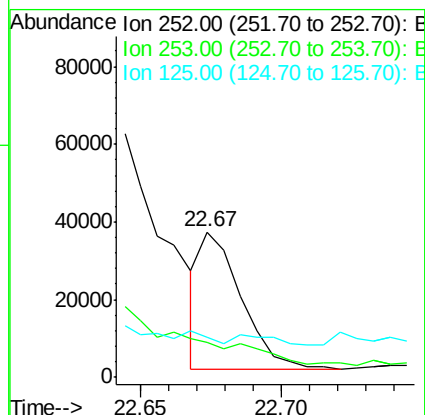
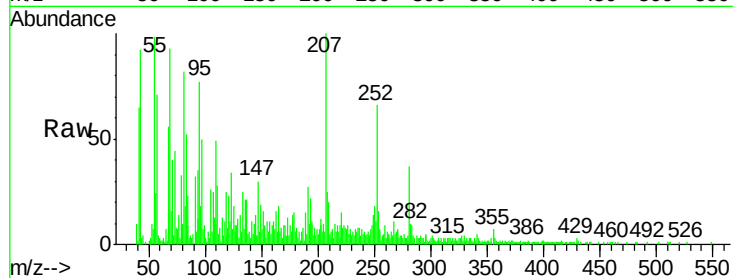
Tgt Ion:252 Resp: 35867

Ion Ratio Lower Upper

252 100

253 24.3 17.1 25.7

125 27.7 3.4 5.2#



#27

Benzo(a)pyrene

Concen: 4.380 ng/ul

RT: 23.19 min Scan# 3451

Delta R.T. -0.00 min

Lab File: BM014594.D

Acq: 16 Mar 2018 01:52

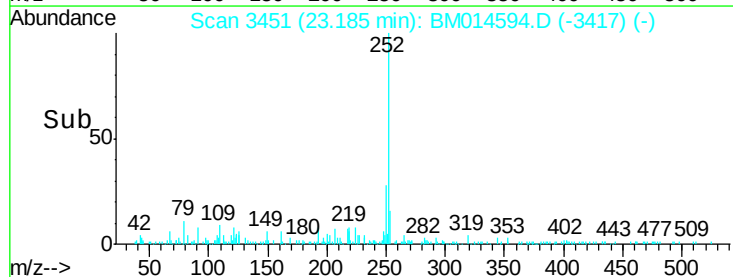
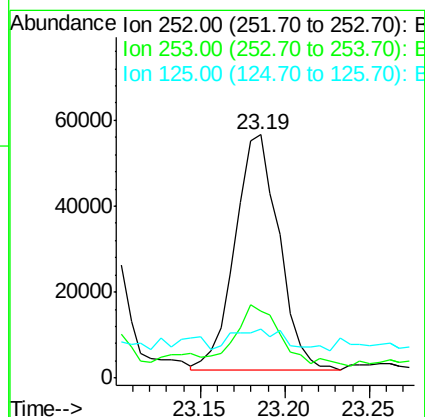
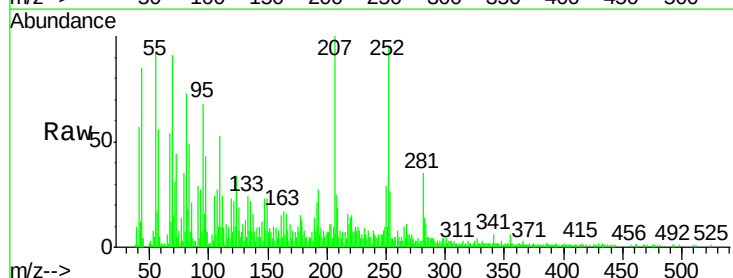
Tgt Ion:252 Resp: 99681

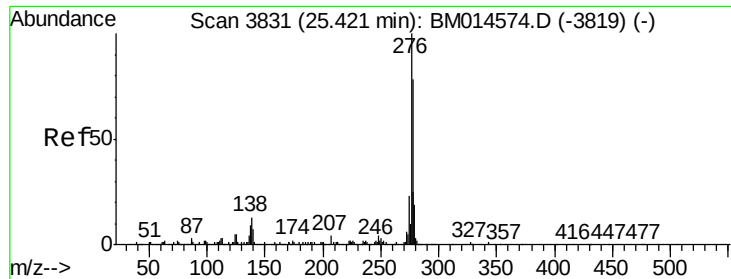
Ion Ratio Lower Upper

252 100

253 27.4 18.2 27.2#

125 20.1 4.0 6.0#





#28

Indeno(1,2,3-cd)pyrene

Concen: 1.610 ng/ul

RT: 25.42 min Scan# 3831

Delta R.T. -0.00 min

Lab File: BM014594.D

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BNA_M

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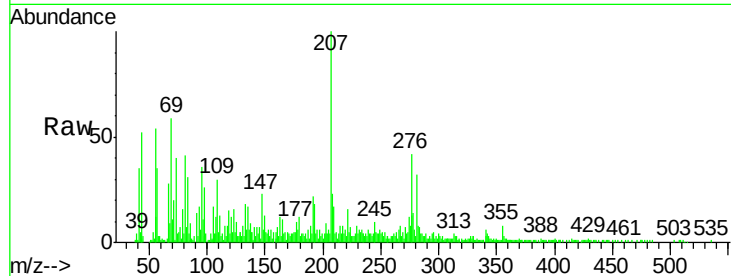
Tgt Ion:276 Resp: 42177

Ion Ratio Lower Upper

276 100

138 11.4 9.3 13.9

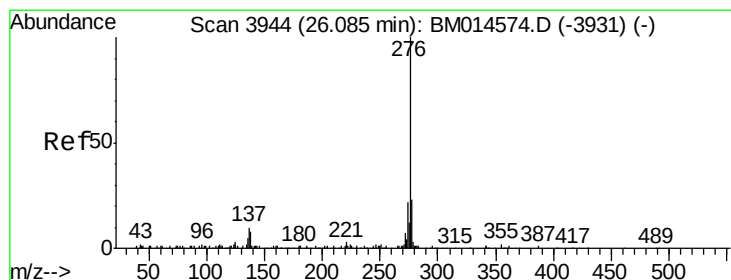
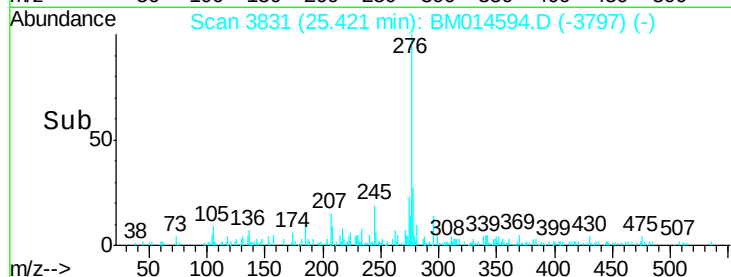
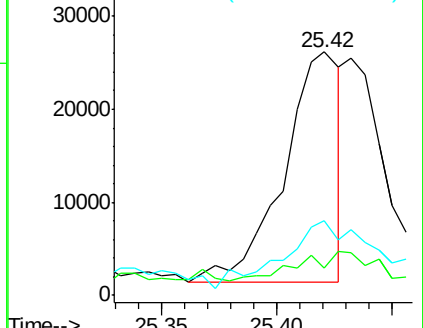
277 30.7 19.9 29.9#



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



#30

Benzo(g,h,i)perylene

Concen: 1.971 ng/ul

RT: 26.08 min Scan# 3943

Delta R.T. -0.01 min

Lab File: BM014594.D

Acq: 16 Mar 2018 01:52

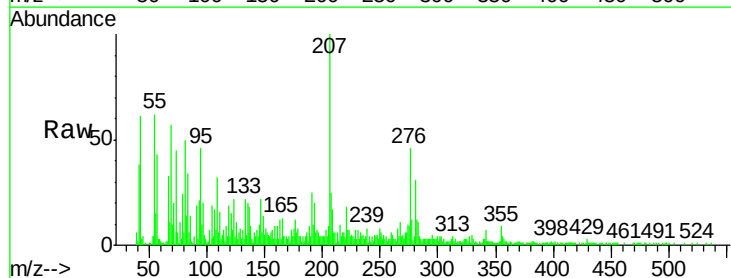
Tgt Ion:276 Resp: 41124

Ion Ratio Lower Upper

276 100

138 18.6 8.5 12.7#

277 26.1 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

