

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031618\
 Data File : BM014628.D
 Acq On : 17 Mar 2018 04:46
 Operator : SJ/JU
 Sample : J1918-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEL63

Quant Time: Mar 17 06:12:44 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM031518-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Mar 17 03:22:03 2018
 Response via : Initial Calibration

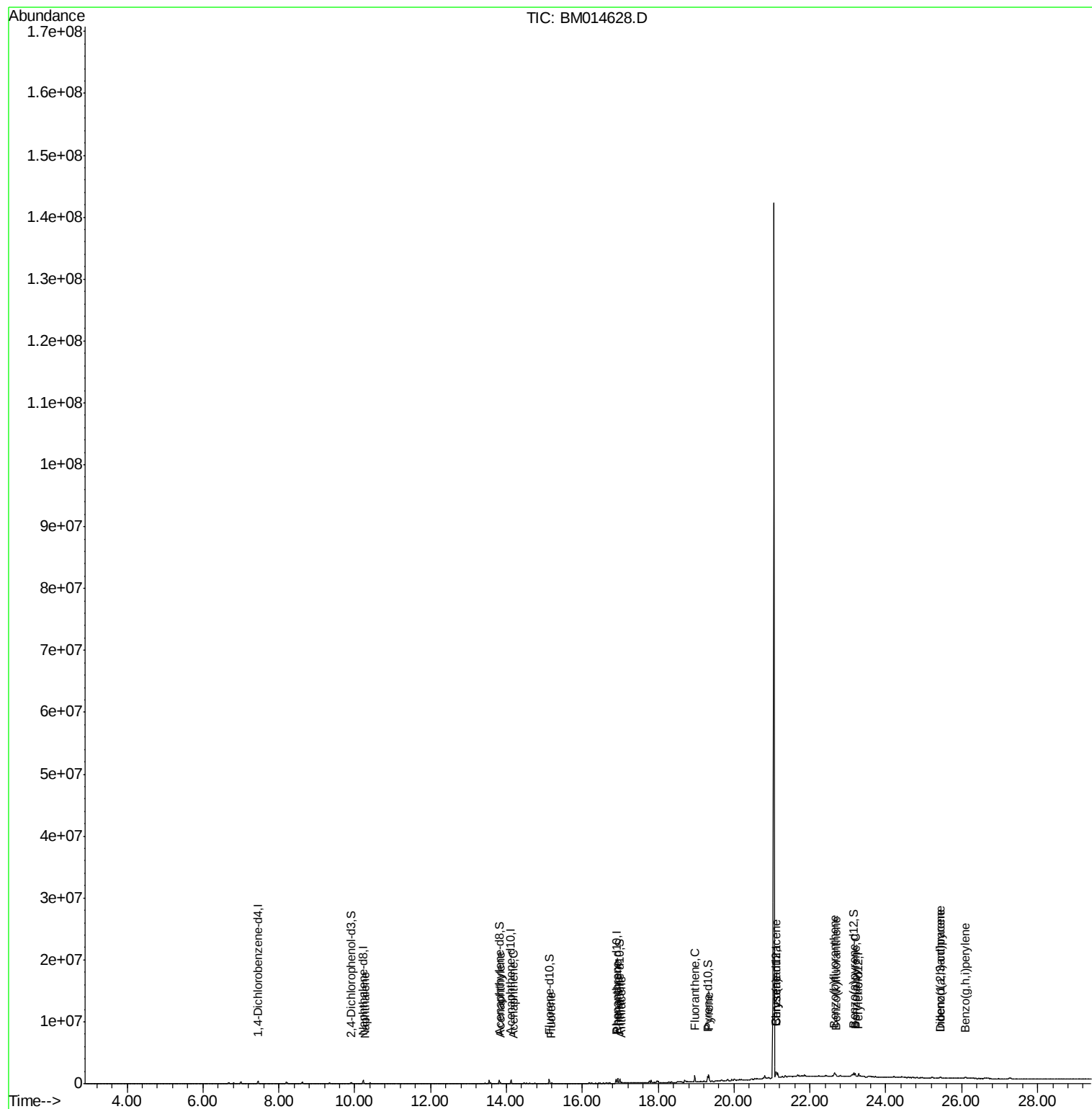
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	97069	20.00	ng/ul	0.00
2) Naphthalene-d8	10.22	136	365666	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.12	164	174879	20.00	ng/ul	0.00
12) Phenanthrene-d10	16.89	188	299679	20.00	ng/ul	0.00
18) Chrysene-d12	21.12	240	310663	20.00	ng/ul	0.00
23) Perylene-d12	23.28	264	305913	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	9.89	165	96969	17.16	ng/ul	0.00
7) Acenaphthylene-d8	13.81	160	351552	18.81	ng/ul	0.00
10) Fluorene-d10	15.13	176	215747	17.62	ng/ul	0.00
15) Anthracene-d10	16.99	188	285987	19.93	ng/ul	0.00
19) Pyrene-d10	19.30	212	283711	15.19	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.15	264	288068	19.47	ng/ul	0.01
Target Compounds				Qvalue		
4) Naphthalene	10.27	128	22568	1.215	ng/ul	95
8) Acenaphthylene	13.85	152	91250	5.260	ng/ul	98
9) Acenaphthene	14.19	153	21483	1.810	ng/ul	89
11) Fluorene	15.19	166	42225	3.001	ng/ul	86
14) Phenanthrene	16.93	178	408235	24.324	ng/ul	99
16) Anthracene	17.03	178	114632	6.833	ng/ul	99
17) Fluoranthene	18.97	202	524691	27.542	ng/ul	98
20) Pyrene	19.34	202	654038	27.993	ng/ul	97
21) Benzo(a)anthracene	21.10	228	374351	19.055	ng/ul	95
22) Chrysene	21.10	228	374351	20.724	ng/ul	96
24) Benzo(b)fluoranthene	22.64	252	353215	18.365	ng/ul#	96
25) Benzo(k)fluoranthene	22.68	252	121441	6.646	ng/ul#	95
27) Benzo(a)pyrene	23.19	252	291449	15.965	ng/ul#	98
28) Indeno(1,2,3-cd)pyrene	25.44	276	177762	8.460	ng/ul#	96
29) Dibenzo(a,h)anthracene	25.42	278	56915	3.236	ng/ul#	83
30) Benzo(g,h,i)perylene	26.10	276	167975	10.036	ng/ul#	88

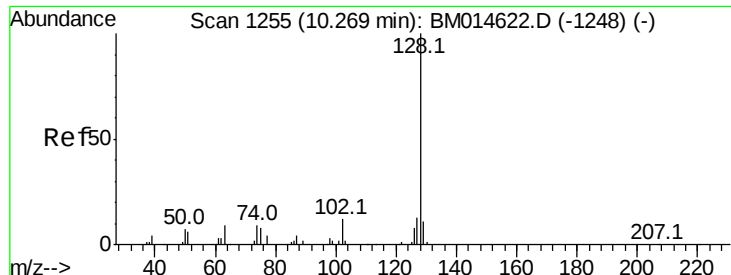
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 1.215 ng/ul

RT: 10.27 min Scan# 1255

Delta R.T. 0.00 min

Lab File: BM014628.D

Acq: 17 Mar 2018 04:46

Instrument :

BNA_M

ClientSampleId :

BEL63

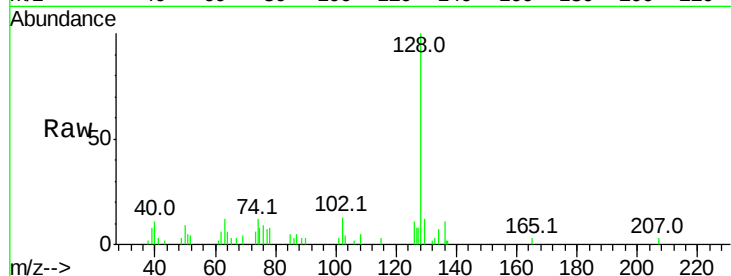
Tot Ion:128 Resp: 22568

Ion Ratio Lower Upper

128 100

129 12.5 8.8 13.2

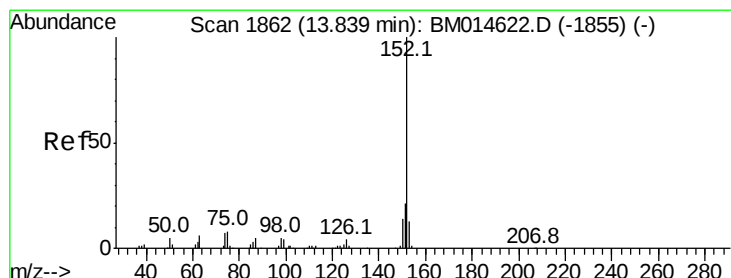
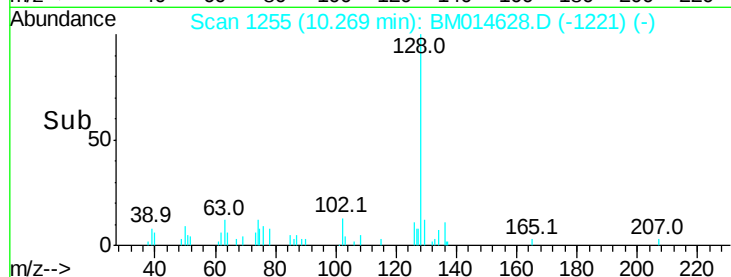
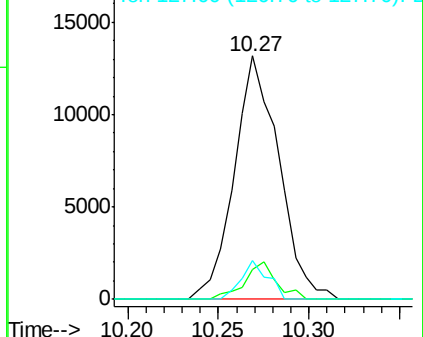
127 15.7 10.6 16.0



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: 5.260 ng/ul

RT: 13.85 min Scan# 1863

Delta R.T. 0.01 min

Lab File: BM014628.D

Acq: 17 Mar 2018 04:46

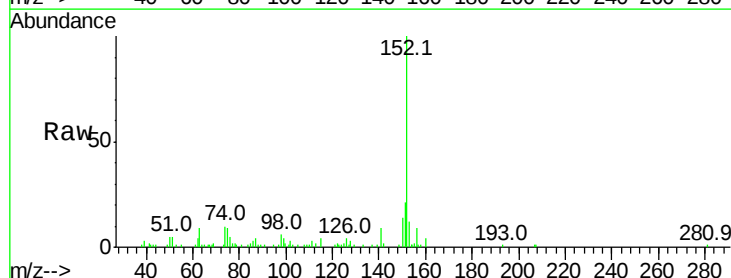
Tgt Ion:152 Resp: 91250

Ion Ratio Lower Upper

152 100

151 21.3 16.3 24.5

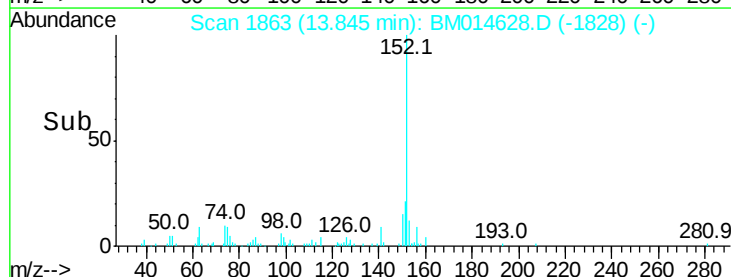
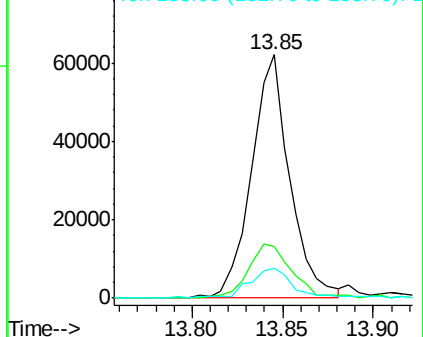
153 12.4 10.2 15.4

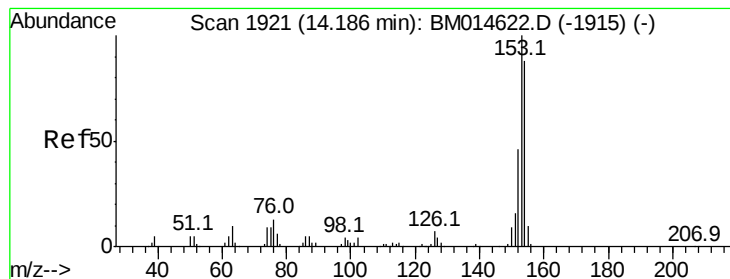


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 1.810 ng/ul

RT: 14.19 min Scan# 1921

Delta R.T. 0.00 min

Lab File: BM014628.D

Acq: 17 Mar 2018 04:46

Instrument :

BNA_M

ClientSampleId :

BEL63

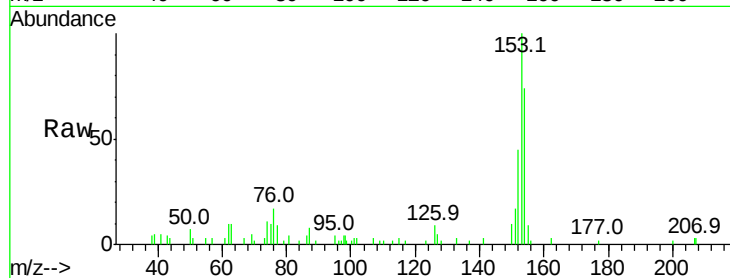
Tot Ion:153 Resp: 21483

Ion Ratio Lower Upper

153 100

152 45.3 37.6 56.4

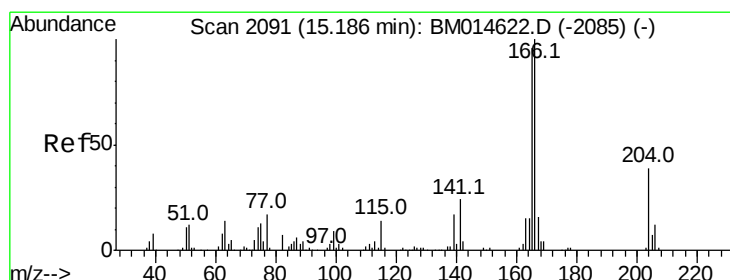
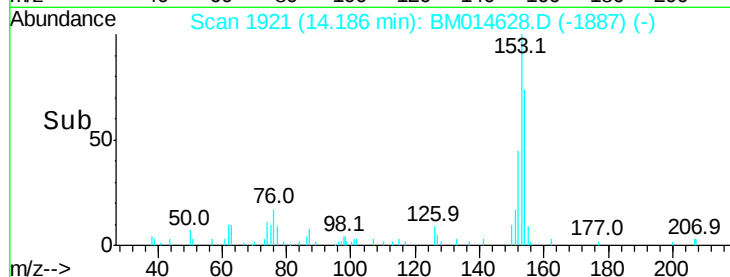
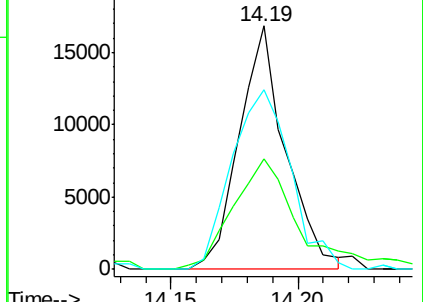
154 73.7 70.4 105.6



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: 3.001 ng/ul

RT: 15.19 min Scan# 2091

Delta R.T. 0.00 min

Lab File: BM014628.D

Acq: 17 Mar 2018 04:46

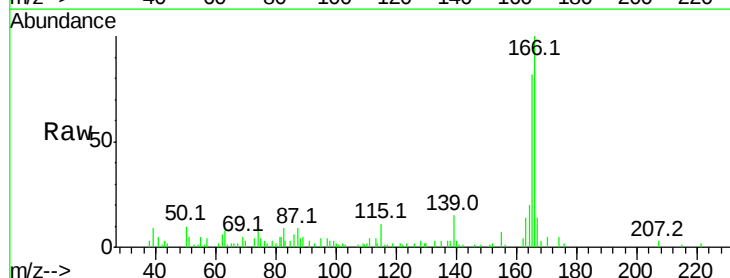
Tgt Ion:166 Resp: 42225

Ion Ratio Lower Upper

166 100

165 82.1 77.9 116.9

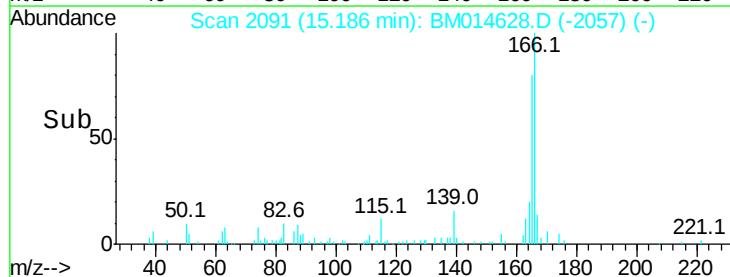
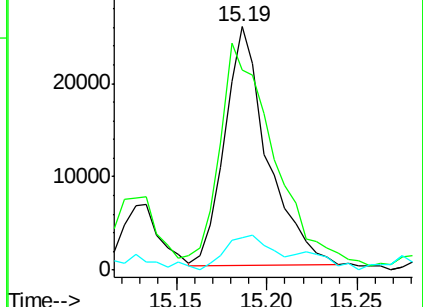
167 13.6 10.6 16.0

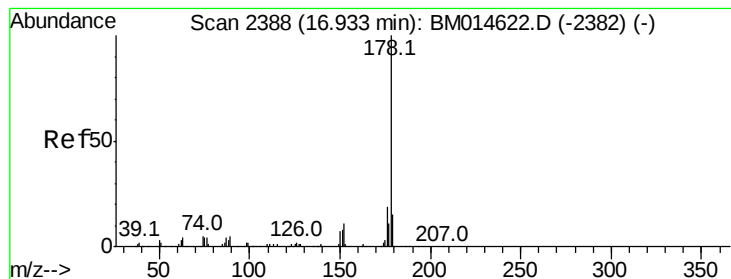


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#14

Phenanthrene

Concen: 24.324 ng/ul

RT: 16.93 min Scan# 2388

Delta R.T. 0.00 min

Lab File: BM014628.D

Acq: 17 Mar 2018 04:46

Instrument :

BNA_M

ClientSampleId :

BEL63

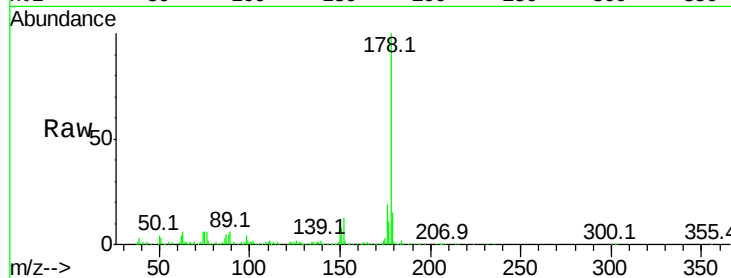
Tot Ion:178 Resp: 408235

Ion Ratio Lower Upper

178 100

179 14.8 12.6 19.0

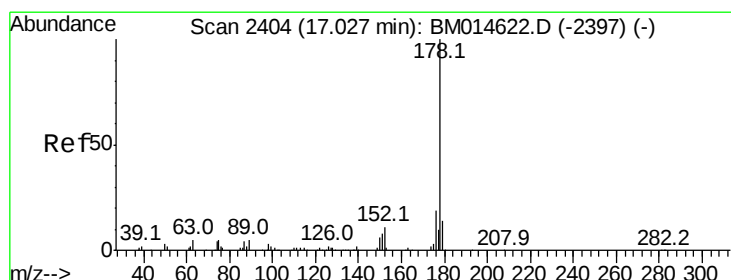
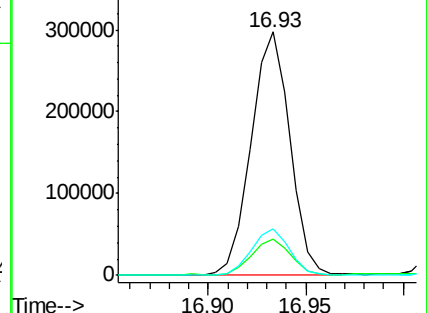
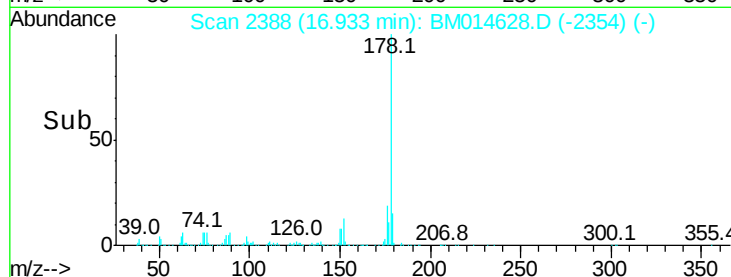
176 18.9 14.9 22.3



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

Anthracene

Concen: 6.833 ng/ul

RT: 17.03 min Scan# 2404

Delta R.T. 0.00 min

Lab File: BM014628.D

Acq: 17 Mar 2018 04:46

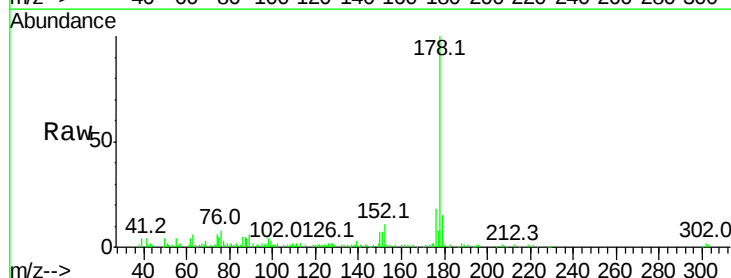
Tgt Ion:178 Resp: 114632

Ion Ratio Lower Upper

178 100

179 15.1 11.7 17.5

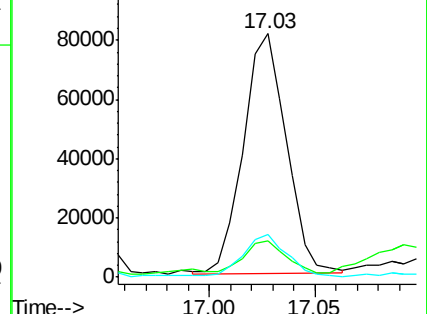
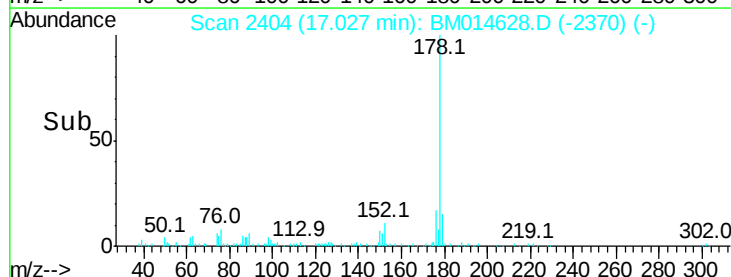
176 17.6 14.6 21.8

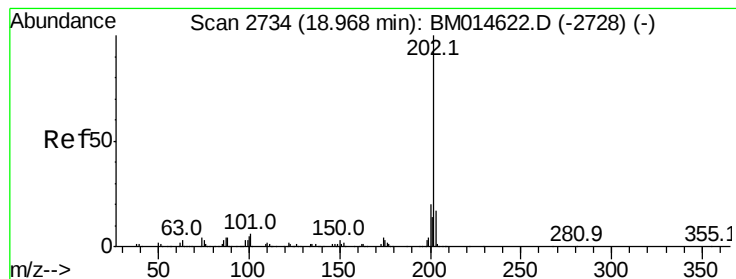


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#17

Fluoranthene

Concen: 27.542 ng/ul

RT: 18.97 min Scan# 2734

Delta R.T. 0.00 min

Lab File: BM014628.D

Acq: 17 Mar 2018 04:46

Instrument :

BNA_M

ClientSampleId :

BEL63

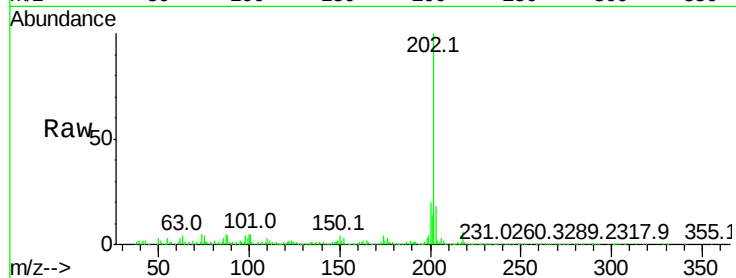
Tot Ion:202 Resp: 524691

Ion Ratio Lower Upper

202 100

101 4.9 4.6 7.0

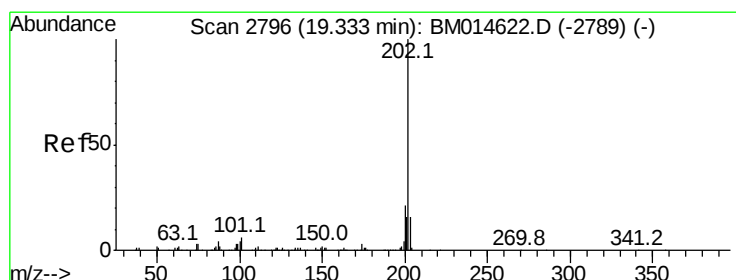
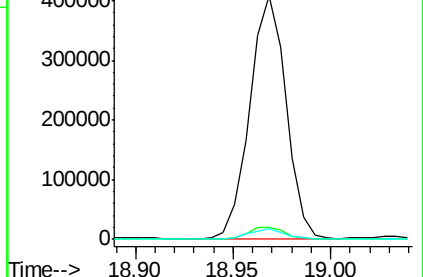
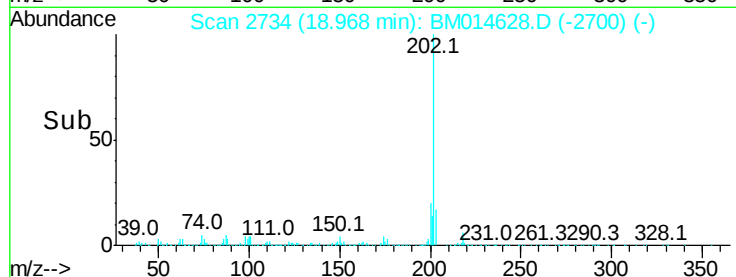
100 4.6 3.4 5.2



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: 27.993 ng/ul

RT: 19.34 min Scan# 2797

Delta R.T. 0.01 min

Lab File: BM014628.D

Acq: 17 Mar 2018 04:46

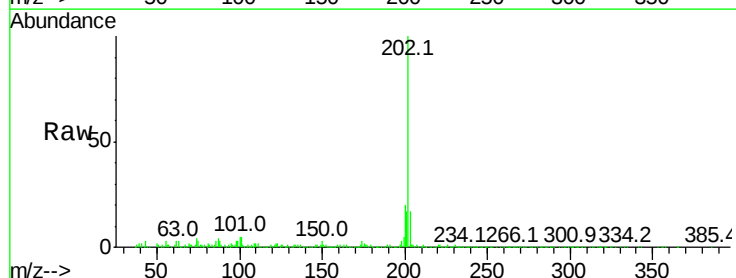
Tgt Ion:202 Resp: 654038

Ion Ratio Lower Upper

202 100

101 5.4 5.1 7.7

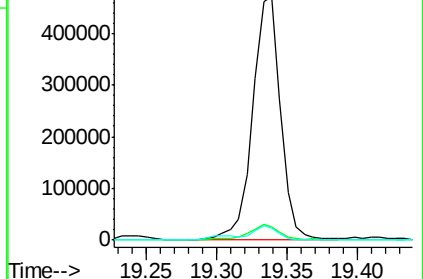
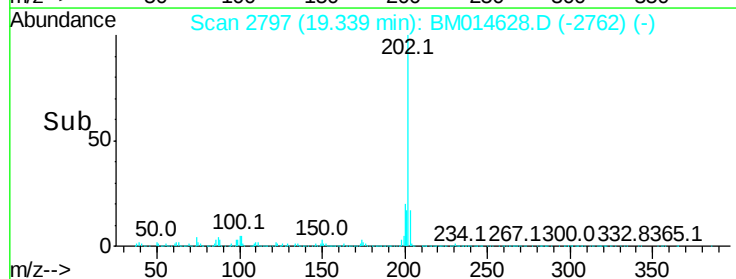
100 5.0 4.9 7.3

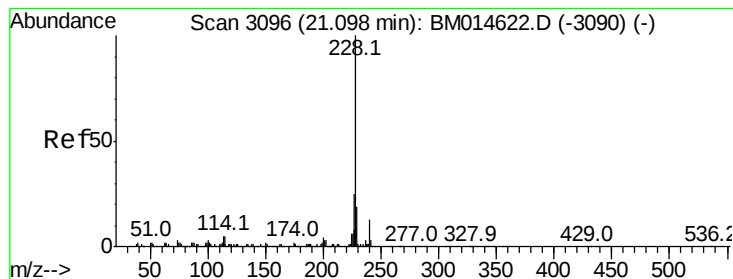


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 19.055 ng/ul

RT: 21.10 min Scan# 3097

Delta R.T. 0.01 min

Lab File: BM014628.D

Acq: 17 Mar 2018 04:46

Instrument :

BNA_M

ClientSampleId :

BEL63

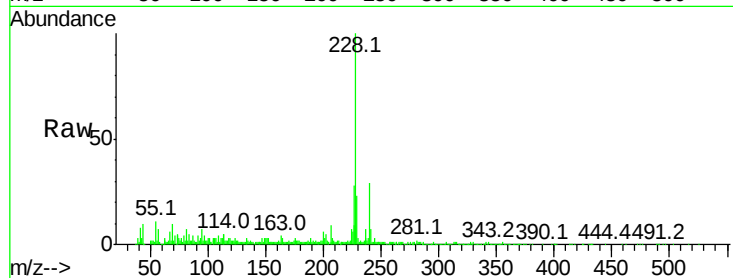
Tot Ion:228 Resp: 374351

Ion Ratio Lower Upper

228 100

229 22.5 15.4 23.0

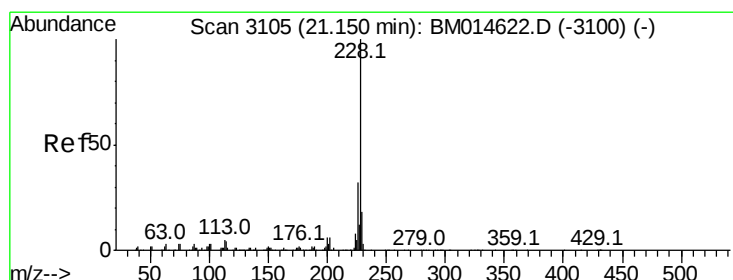
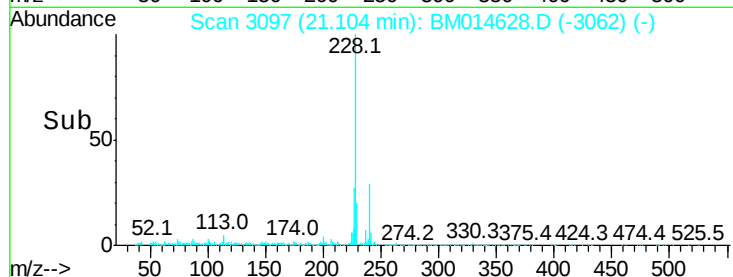
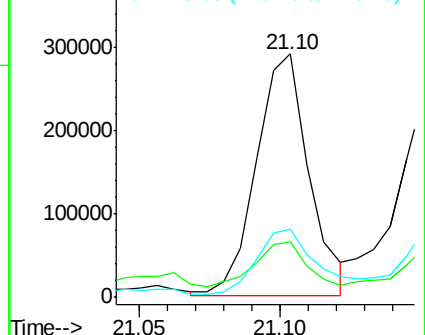
226 28.2 21.4 32.0



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: 20.724 ng/ul

RT: 21.10 min Scan# 3097

Delta R.T. -0.05 min

Lab File: BM014628.D

Acq: 17 Mar 2018 04:46

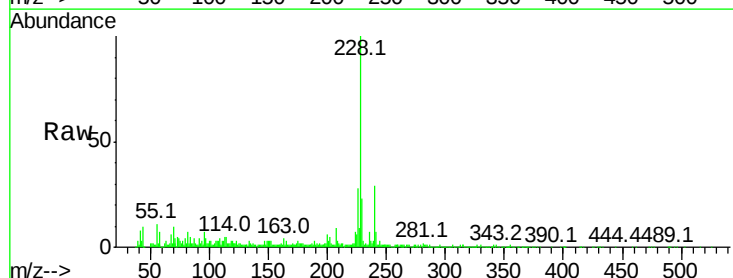
Tgt Ion:228 Resp: 374351

Ion Ratio Lower Upper

228 100

226 28.2 23.4 35.2

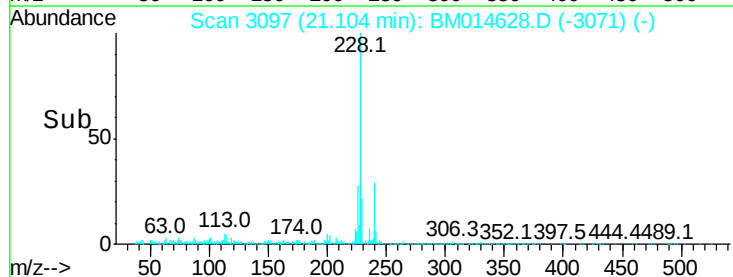
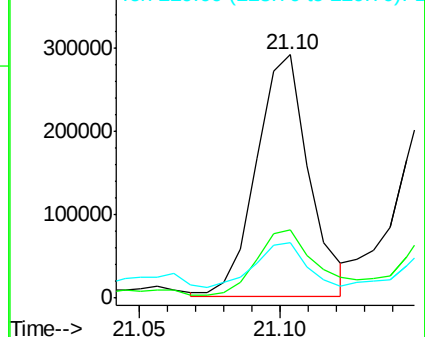
229 22.5 15.5 23.3

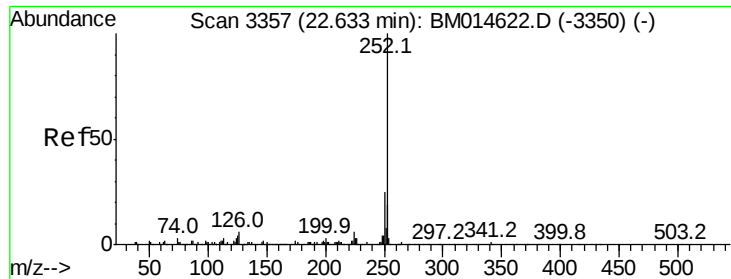


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 18.365 ng/ul

RT: 22.64 min Scan# 3359

Delta R.T. 0.01 min

Lab File: BM014628.D

Acq: 17 Mar 2018 04:46

Instrument :

BNA_M

ClientSampled :

BEL63

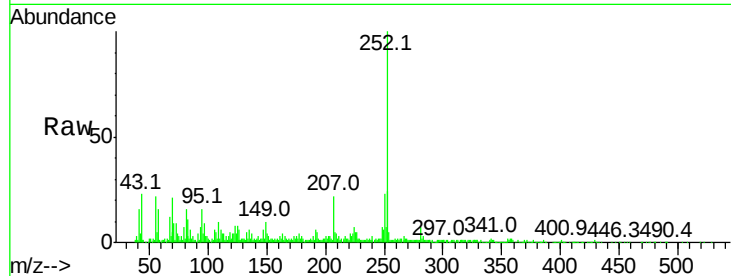
Tot Ion:252 Resp: 353215

Ion Ratio Lower Upper

252 100

253 23.7 17.9 26.9

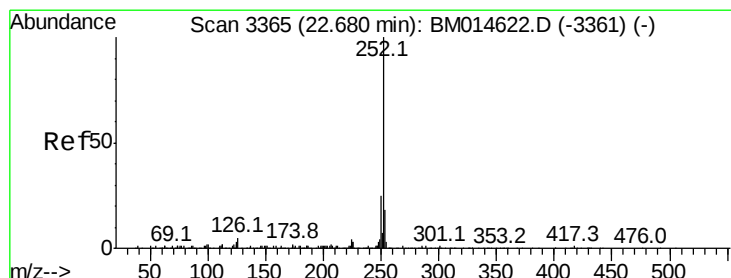
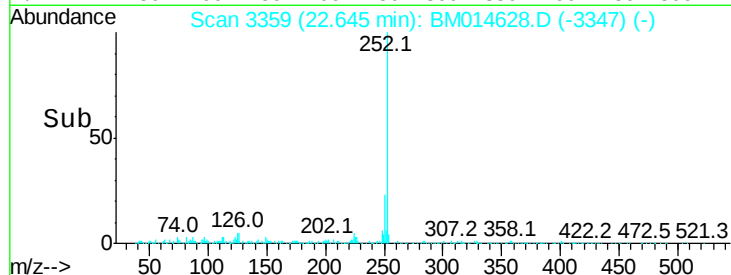
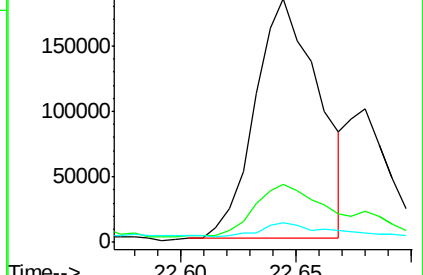
125 7.9 3.6 5.4#



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: 6.646 ng/ul

RT: 22.68 min Scan# 3365

Delta R.T. 0.00 min

Lab File: BM014628.D

Acq: 17 Mar 2018 04:46

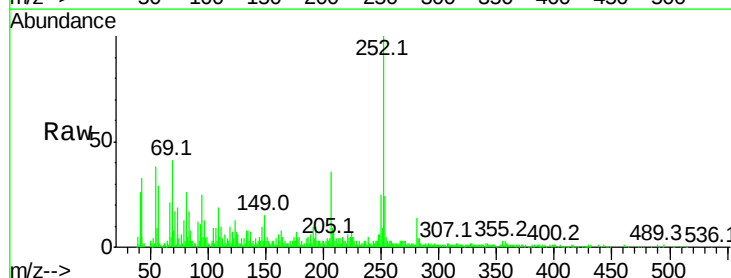
Tgt Ion:252 Resp: 121441

Ion Ratio Lower Upper

252 100

253 23.5 17.1 25.7

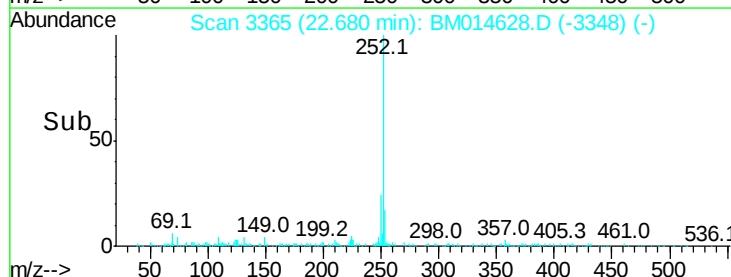
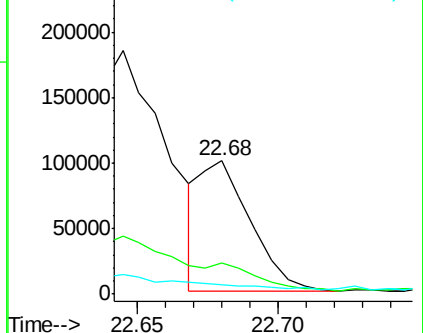
125 7.2 3.4 5.2#

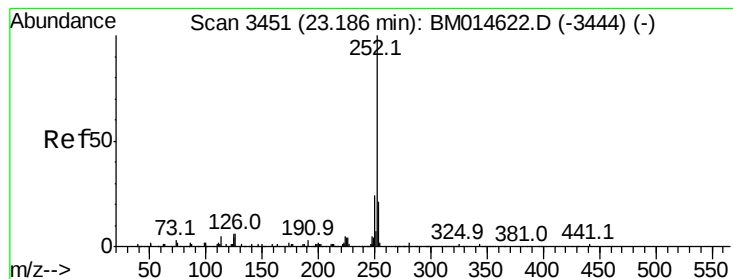


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 15.965 ng/ul

RT: 23.19 min Scan# 3452

Delta R.T. 0.01 min

Lab File: BM014628.D

Acq: 17 Mar 2018 04:46

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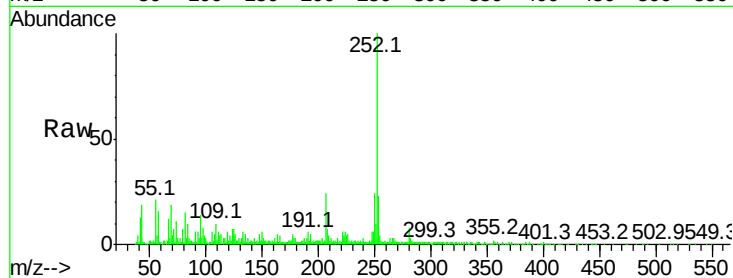
Tot Ion:252 Resp: 291449

Ion Ratio Lower Upper

252 100

253 23.0 18.2 27.2

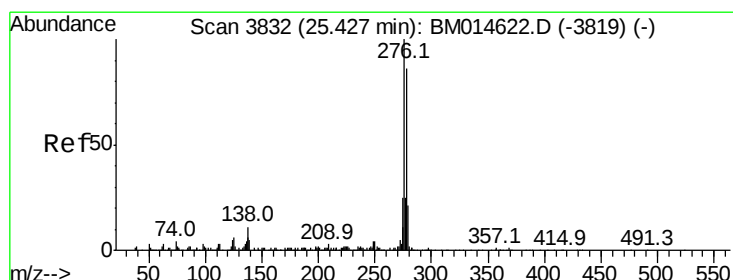
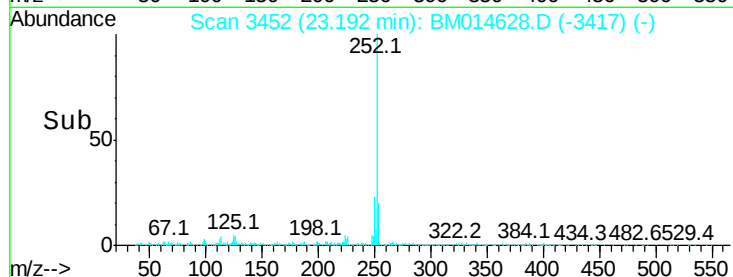
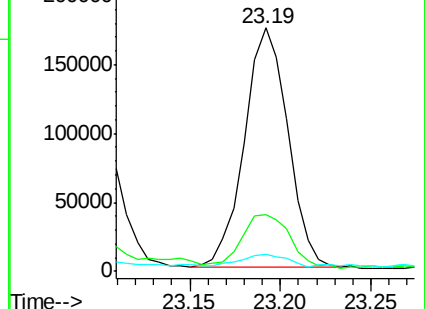
125 6.8 4.0 6.0#



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: 8.460 ng/ul

RT: 25.44 min Scan# 3834

Delta R.T. 0.01 min

Lab File: BM014628.D

Acq: 17 Mar 2018 04:46

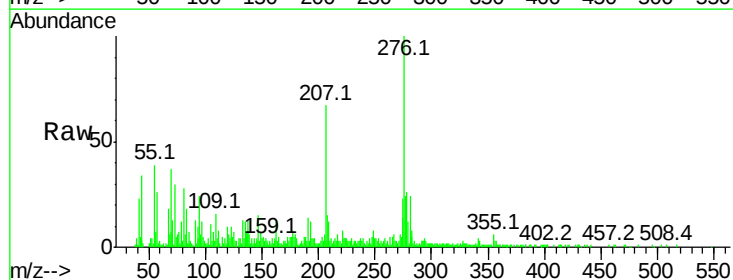
Tgt Ion:276 Resp: 177762

Ion Ratio Lower Upper

276 100

138 8.2 9.3 13.9#

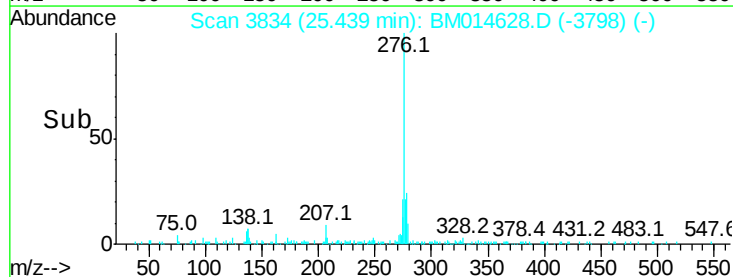
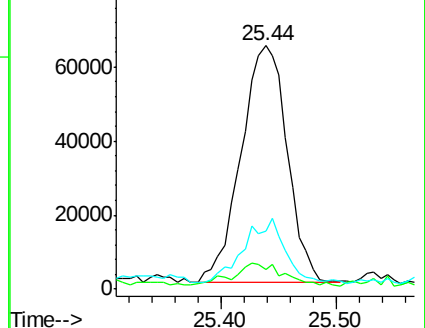
277 23.9 19.9 29.9

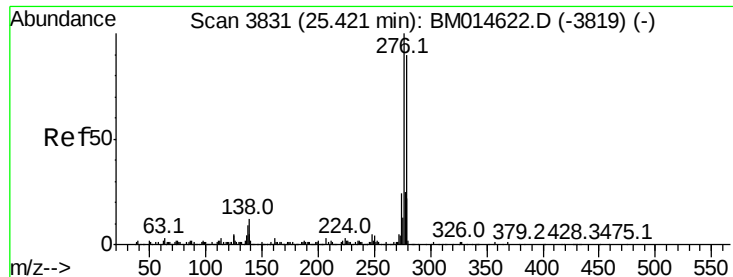


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 3.236 ng/u1

RT: 25.42 min Scan# 3831

Delta R.T. 0.00 min

Lab File: BM014628.D

Acq: 17 Mar 2018 04:46

Instrument :

BNA_M

ClientSampleId :

BEL63

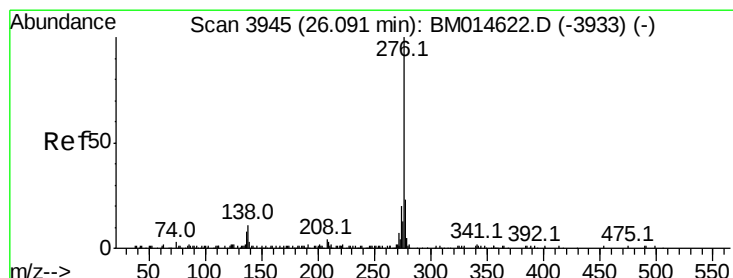
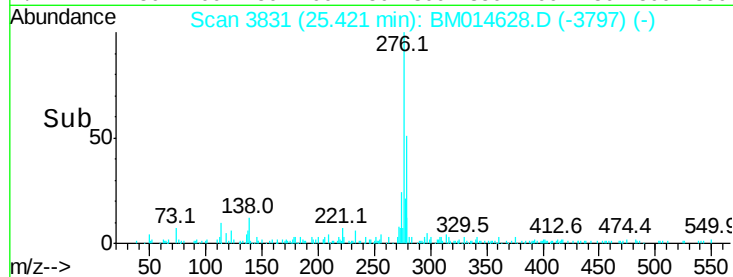
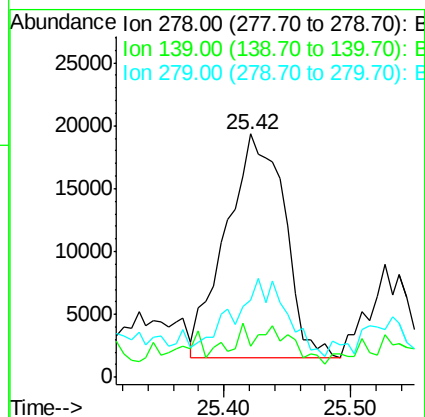
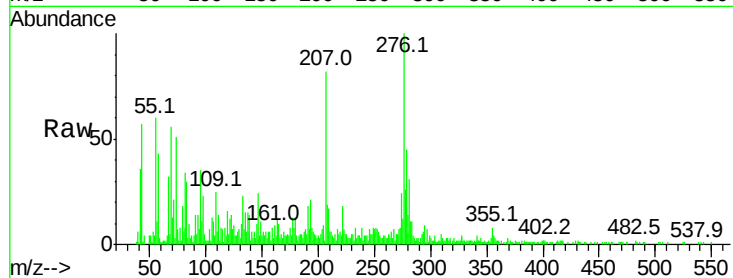
Tot Ion:278 Resp: 56915

Ion Ratio Lower Upper

278 100

139 13.0 5.8 8.8#

279 31.9 18.6 27.8#



#30

Benzo(g,h,i)perylene

Concen: 10.036 ng/u1

RT: 26.10 min Scan# 3946

Delta R.T. 0.01 min

Lab File: BM014628.D

Acq: 17 Mar 2018 04:46

Tgt Ion:276 Resp: 167975

Ion Ratio Lower Upper

276 100

138 10.5 8.5 12.7

277 31.7 18.6 28.0#

