

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031618\
 Data File : BM014605.D
 Acq On : 16 Mar 2018 10:57
 Operator : SJ/JU
 Sample : J1904-02DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEL02DL

Quant Time: Mar 16 23:27:56 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

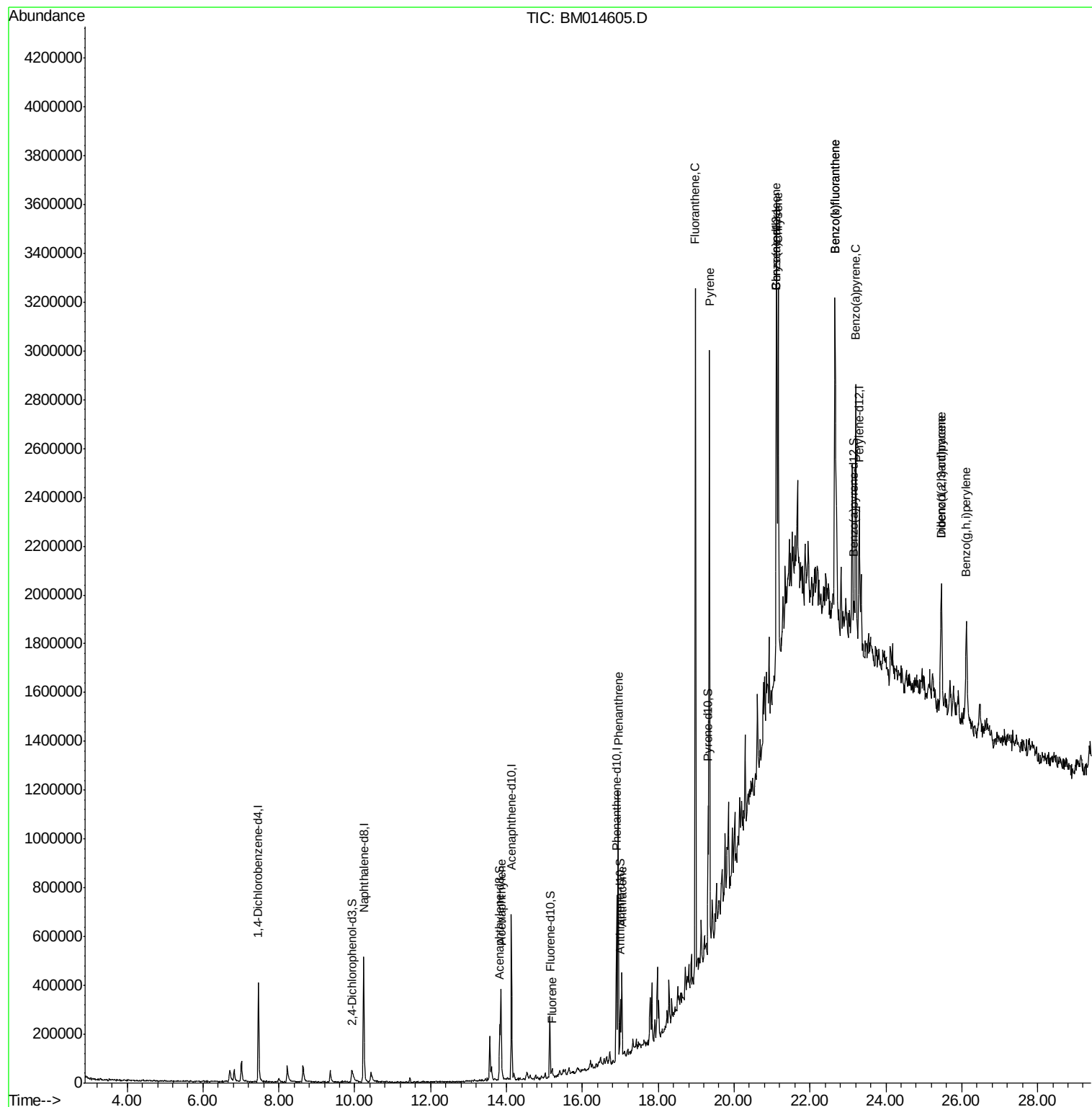
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	96599	20.00	ng/ul	0.01
2) Naphthalene-d8	10.23	136	391358	20.00	ng/ul	0.01
6) Acenaphthene-d10	14.13	164	193992	20.00	ng/ul	0.01
12) Phenanthrene-d10	16.90	188	328225	20.00	ng/ul	0.01
18) Chrysene-d12	21.13	240	333323	20.00	ng/ul	0.01
23) Perylene-d12	23.30	264	318713	20.00	ng/ul	0.02
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	9.93	165	21752	3.60	ng/ul	0.05
7) Acenaphthylene-d8	13.82	160	142567	6.88	ng/ul	0.01
10) Fluorene-d10	15.14	176	89898	6.62	ng/ul	0.02
15) Anthracene-d10	17.00	188	113979	7.25	ng/ul	0.01
19) Pyrene-d10	19.32	212	116218	5.80	ng/ul	0.01
26) Benzo(a)pyrene-d12	23.16	264	113640	7.37	ng/ul	0.02
Target Compounds				Qvalue		
8) Acenaphthylene	13.86	152	256762	13.343	ng/ul	99
11) Fluorene	15.20	166	18254	1.170	ng/ul#	99
14) Phenanthrene	16.94	178	555238	30.206	ng/ul	99
16) Anthracene	17.04	178	186938	10.174	ng/ul	98
17) Fluoranthene	18.99	202	1513911	72.557	ng/ul	99
20) Pyrene	19.35	202	1343010	53.574	ng/ul	99
21) Benzo(a)anthracene	21.12	228	794706	37.702	ng/ul	94
22) Chrysene	21.17	228	736309	37.991	ng/ul	97
24) Benzo(b)fluoranthene	22.66	252	966357	48.227	ng/ul#	98
25) Benzo(k)fluoranthene	22.66	252	966357	50.763	ng/ul#	96
27) Benzo(a)pyrene	23.21	252	662011	34.807	ng/ul#	95
28) Indeno(1,2,3-cd)pyrene	25.46	276	439687	20.086	ng/ul	98
29) Dibenzo(a,h)anthracene	25.46	278	118878	6.488	ng/ul#	76
30) Benzo(g,h,i)perylene	26.13	276	402986	23.111	ng/ul	97

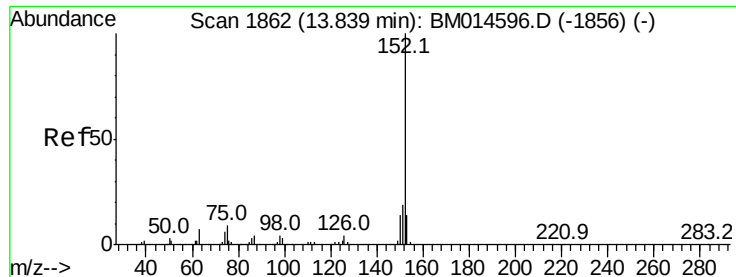
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Acenaphthylene

Concen: 13.343 ng/ul

RT: 13.86 min Scan# 1865

Delta R.T. 0.02 min

Lab File: BM014605.D

Acq: 16 Mar 2018 10:57

Instrument :

BNA_M

ClientSampleId :

BEL02DL

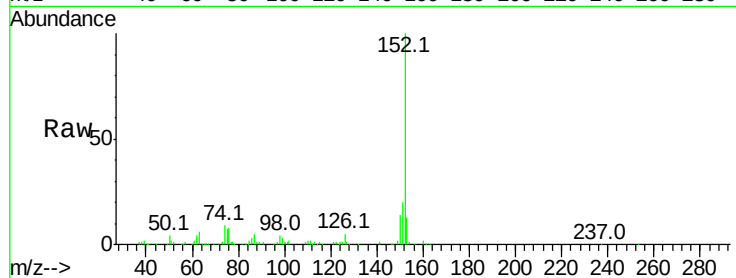
Tot Ion:152 Resp: 256762

Ion Ratio Lower Upper

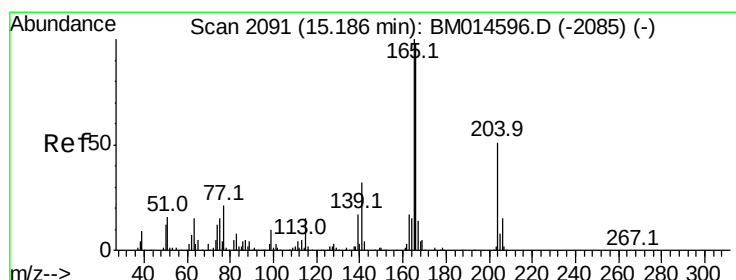
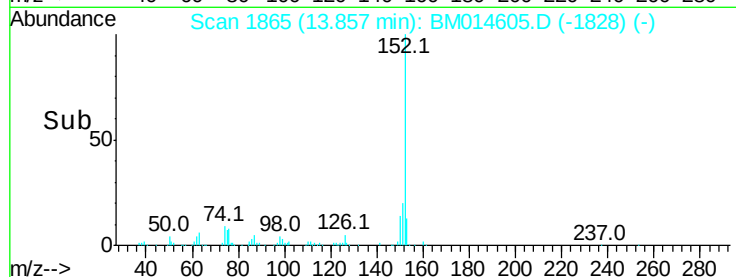
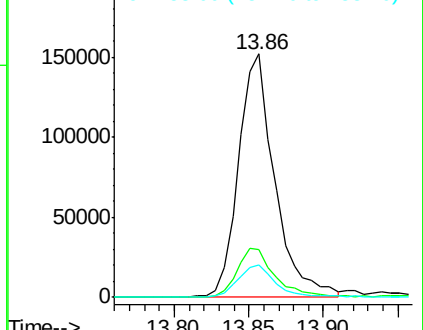
152 100

151 19.8 16.3 24.5

153 13.4 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



#11

Fluorene

Concen: 1.170 ng/ul

RT: 15.20 min Scan# 2094

Delta R.T. 0.02 min

Lab File: BM014605.D

Acq: 16 Mar 2018 10:57

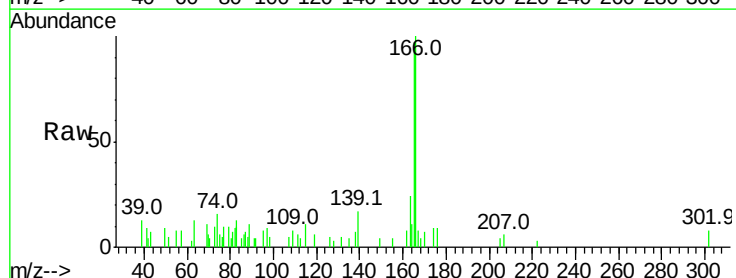
Tgt Ion:166 Resp: 18254

Ion Ratio Lower Upper

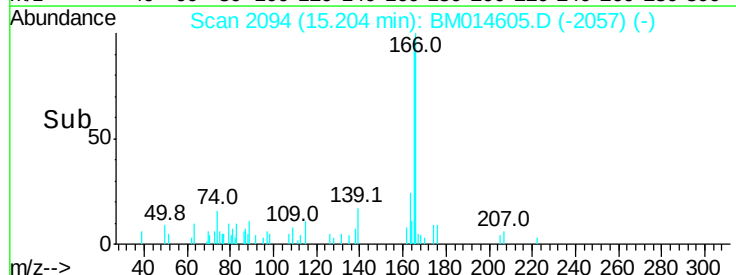
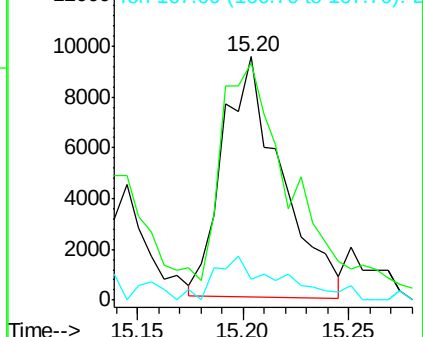
166 100

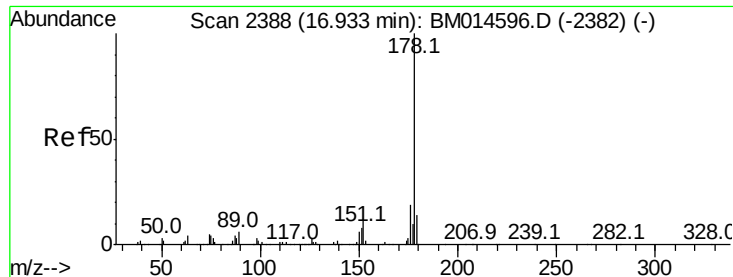
165 97.4 77.9 116.9

167 8.4 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

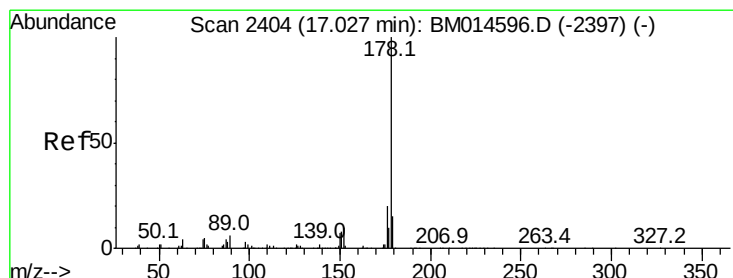
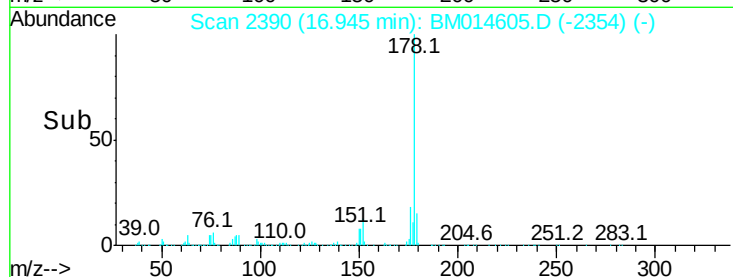
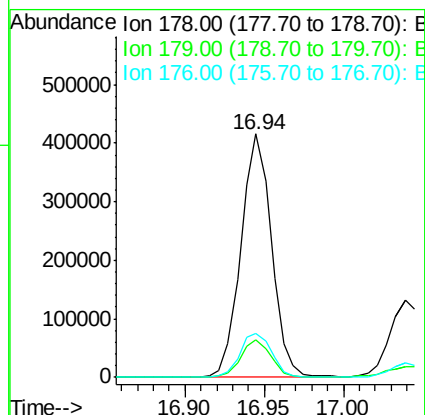
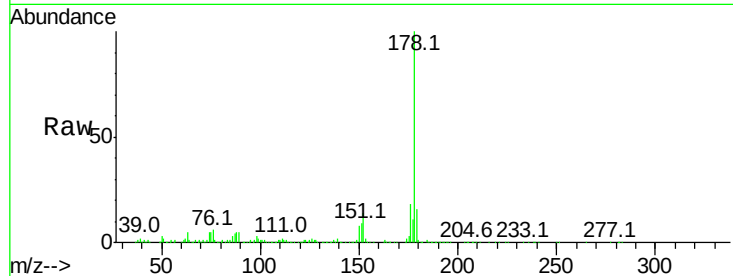




#14
Phenanthrene
Concen: 30.206 ng/ul
RT: 16.94 min Scan# 2390
Delta R.T. 0.01 min
Lab File: BM014605.D
Acq: 16 Mar 2018 10:57

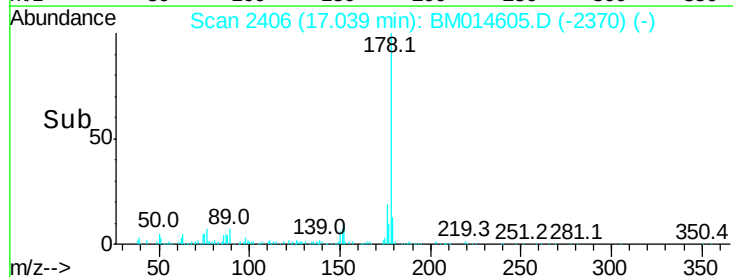
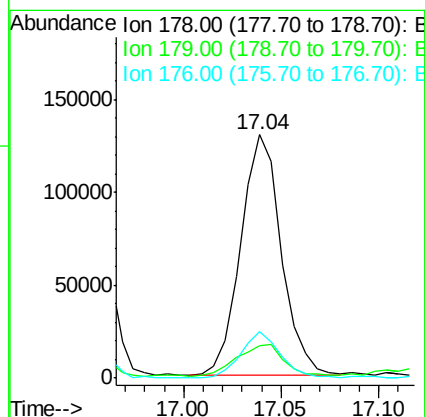
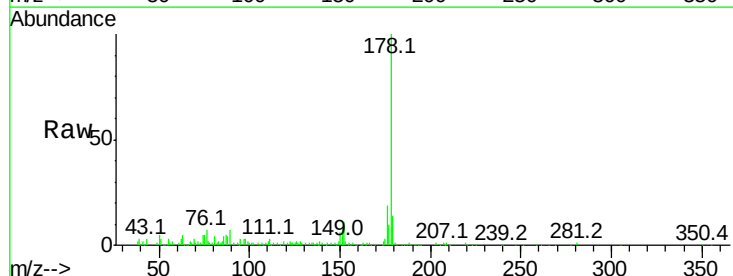
Instrument :
BNA_M
ClientSampleId :
BEL02DL

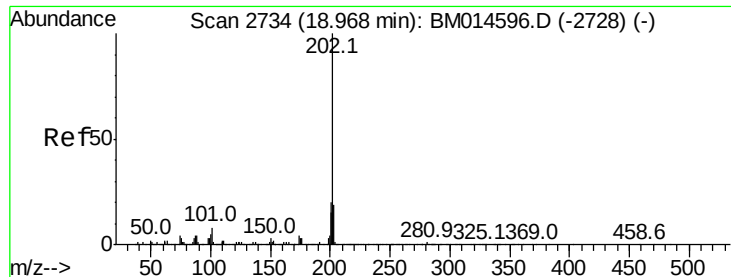
Tot Ion:178 Resp: 555238
Ion Ratio Lower Upper
178 100
179 15.5 12.6 19.0
176 18.2 14.9 22.3



#16
Anthracene
Concen: 10.174 ng/ul
RT: 17.04 min Scan# 2406
Delta R.T. 0.01 min
Lab File: BM014605.D
Acq: 16 Mar 2018 10:57

Tgt Ion:178 Resp: 186938
Ion Ratio Lower Upper
178 100
179 13.6 11.7 17.5
176 19.0 14.6 21.8





#17

Fluoranthene

Concen: 72.557 ng/ul

RT: 18.99 min Scan# 2737

Delta R.T. 0.02 min

Lab File: BM014605.D

Acq: 16 Mar 2018 10:57

Instrument :

BNA_M

ClientSampleId :

BEL02DL

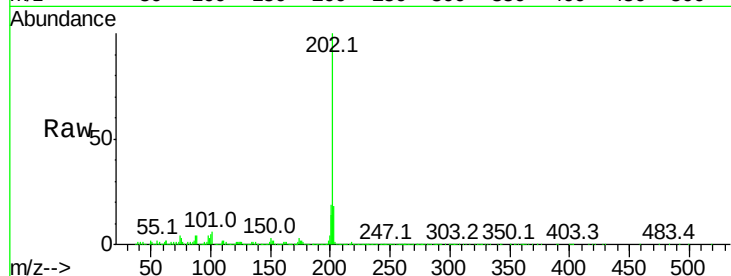
Tot Ion:202 Resp: 1513911

Ion	Ratio	Lower	Upper
202	100		
101	5.5	4.6	7.0
100	5.0	3.4	5.2

202 100

101 5.5 4.6 7.0

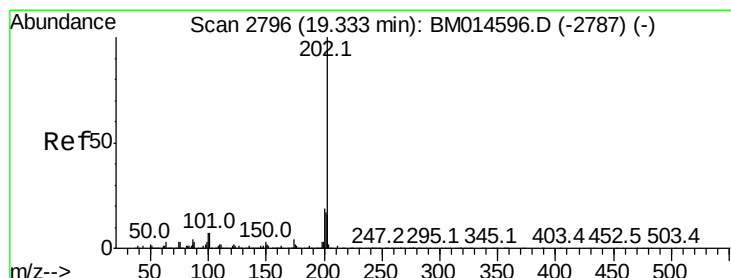
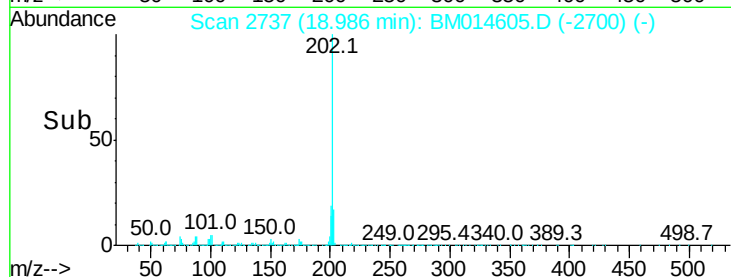
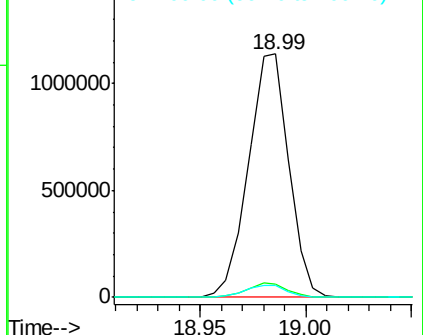
100 5.0 3.4 5.2



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: 53.574 ng/ul

RT: 19.35 min Scan# 2799

Delta R.T. 0.01 min

Lab File: BM014605.D

Acq: 16 Mar 2018 10:57

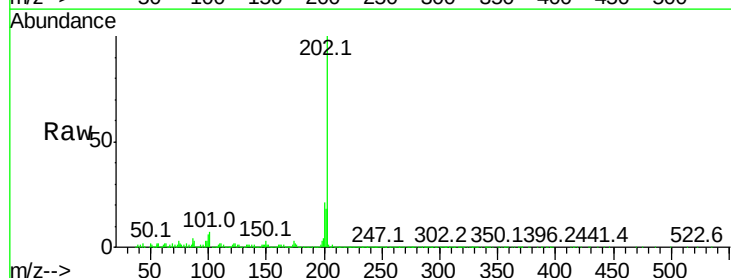
Tgt Ion:202 Resp: 1343010

Ion	Ratio	Lower	Upper
202	100		
101	7.1	5.1	7.7
100	6.2	4.9	7.3

202 100

101 7.1 5.1 7.7

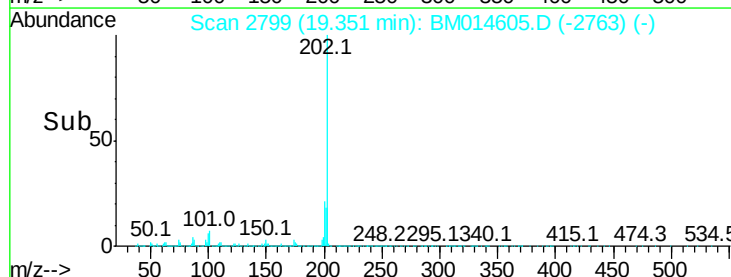
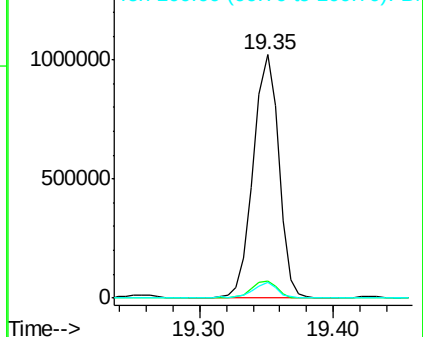
100 6.2 4.9 7.3

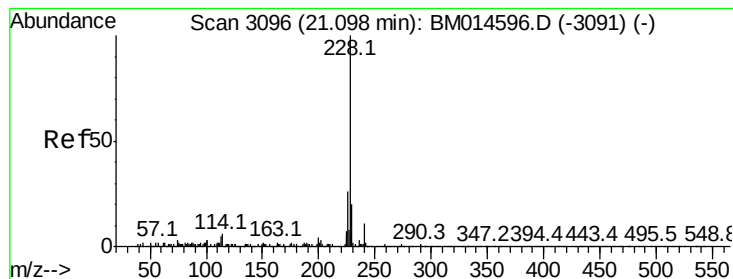


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 37.702 ng/ul

RT: 21.12 min Scan# 3099

Delta R.T. 0.02 min

Lab File: BM014605.D

Acq: 16 Mar 2018 10:57

Instrument :

BNA_M

ClientSampleId :

BEL02DL

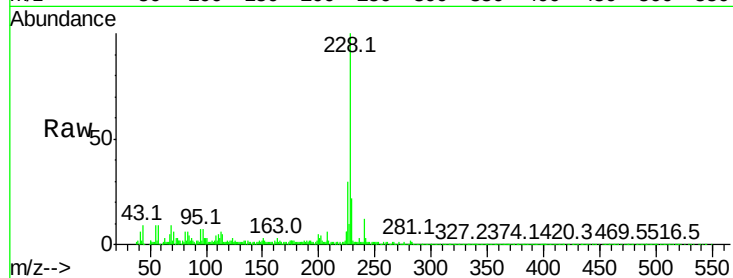
Tot Ion:228 Resp: 794706

Ion	Ratio	Lower	Upper
228	100		
229	21.6	15.4	23.0
226	29.7	21.4	32.0

228 100

229 21.6 15.4 23.0

226 29.7 21.4 32.0

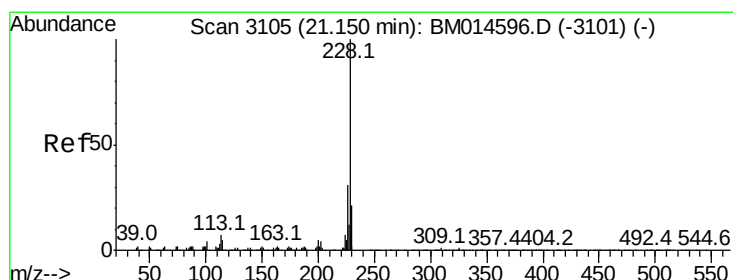
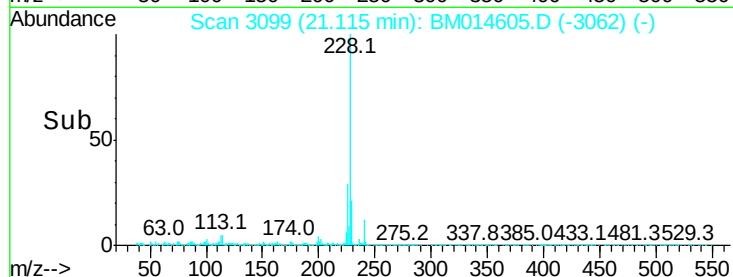
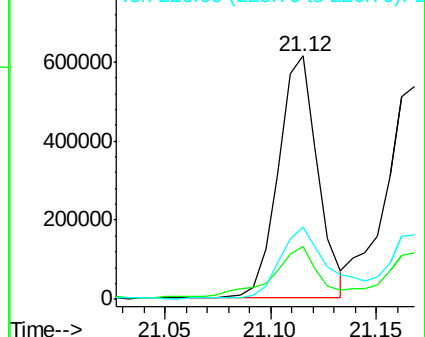


Abundance

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: 37.991 ng/ul

RT: 21.17 min Scan# 3108

Delta R.T. 0.02 min

Lab File: BM014605.D

Acq: 16 Mar 2018 10:57

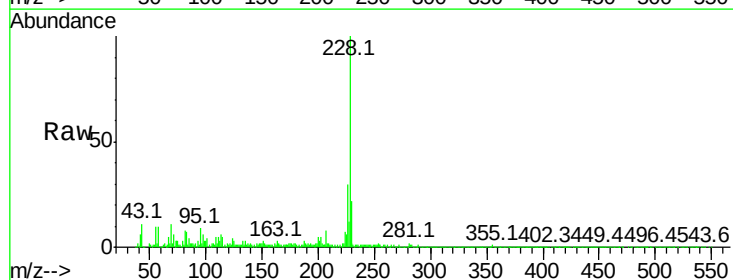
Tgt Ion:228 Resp: 736309

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.4	35.2
229	21.9	15.5	23.3

228 100

226 30.0 23.4 35.2

229 21.9 15.5 23.3

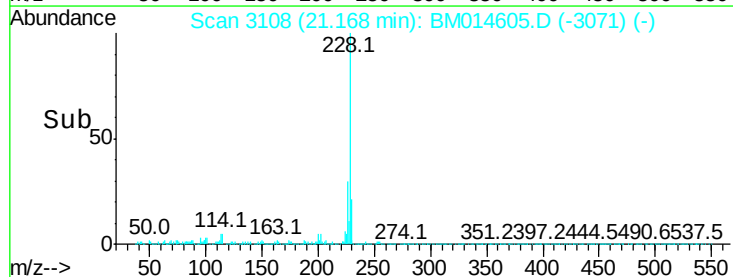
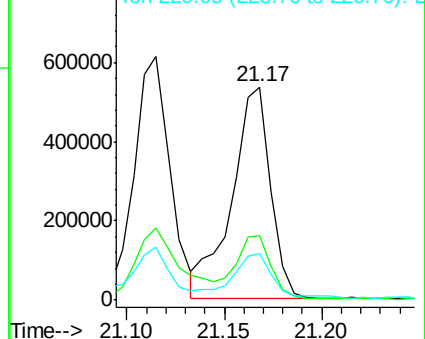


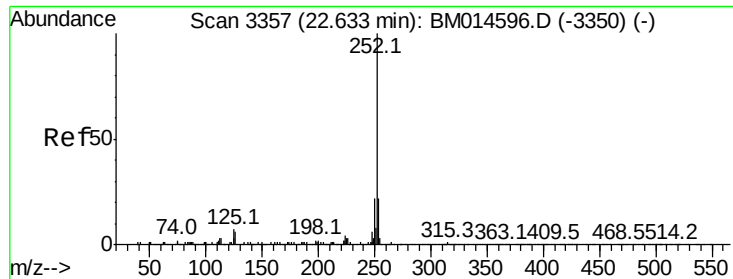
Abundance

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: 48.227 ng/ul

RT: 22.66 min Scan# 3362

Delta R.T. 0.03 min

Lab File: BM014605.D

Acq: 16 Mar 2018 10:57

Instrument :

BNA_M

ClientSampleId :

BEL02DL

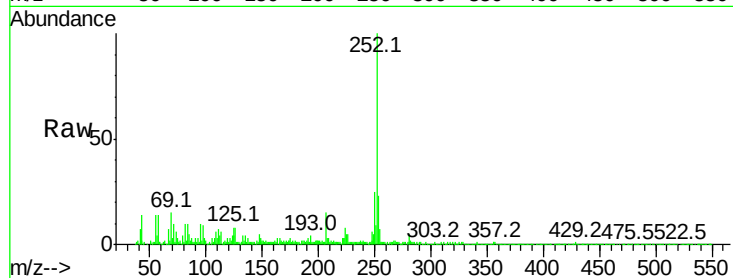
Tot Ion:252 Resp: 966357

Ion Ratio Lower Upper

252 100

253 22.6 17.9 26.9

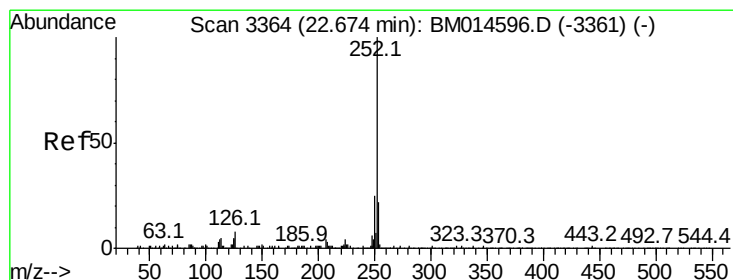
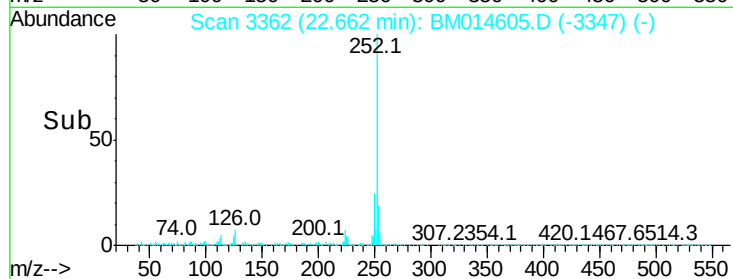
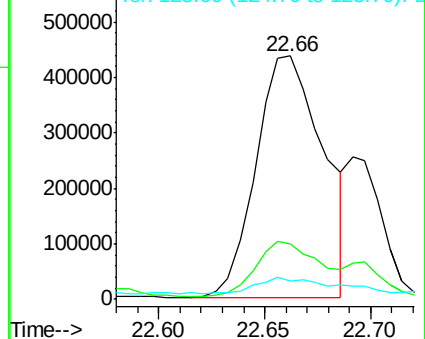
125 7.5 3.6 5.4#



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: 50.763 ng/ul

RT: 22.66 min Scan# 3362

Delta R.T. -0.02 min

Lab File: BM014605.D

Acq: 16 Mar 2018 10:57

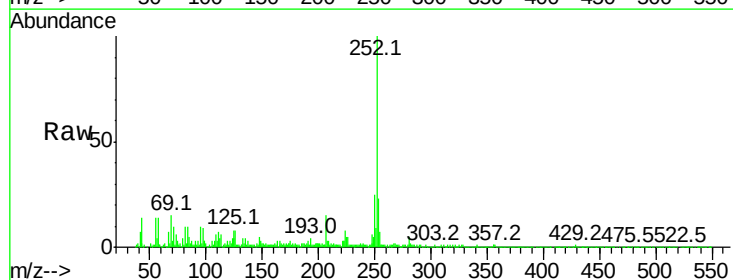
Tgt Ion:252 Resp: 966357

Ion Ratio Lower Upper

252 100

253 22.6 17.1 25.7

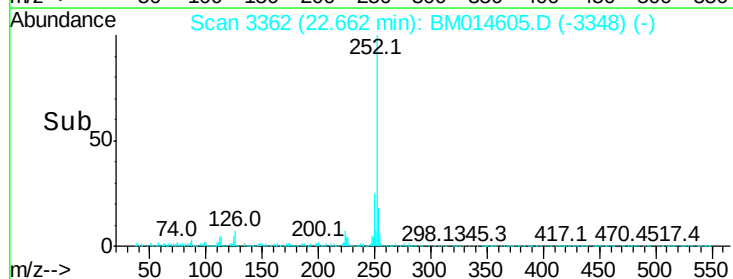
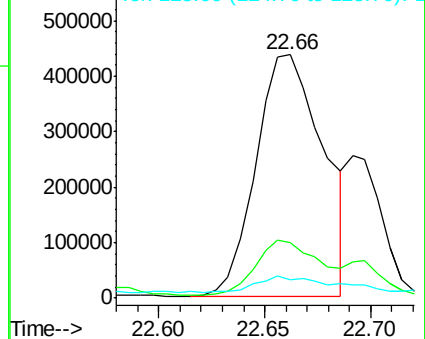
125 7.5 3.4 5.2#

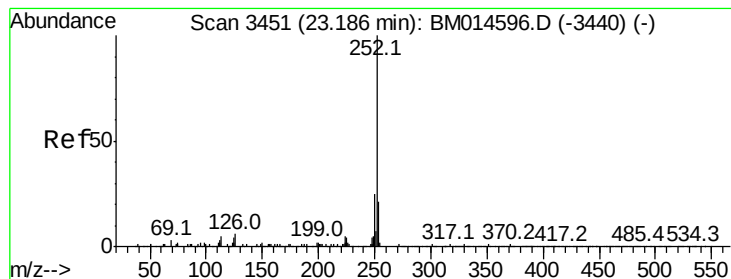


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 34.807 ng/ul

RT: 23.21 min Scan# 3455

Delta R.T. 0.02 min

Lab File: BM014605.D

Acq: 16 Mar 2018 10:57

Instrument :

BNA_M

ClientSampleId :

BEL02DL

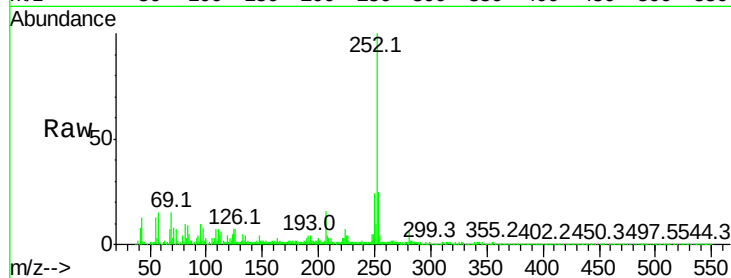
Tot Ion:252 Resp: 662011

Ion Ratio Lower Upper

252 100

253 24.9 18.2 27.2

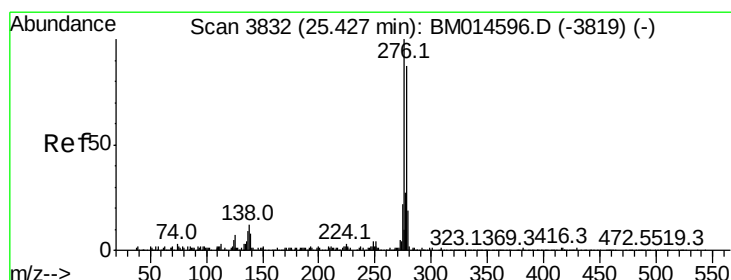
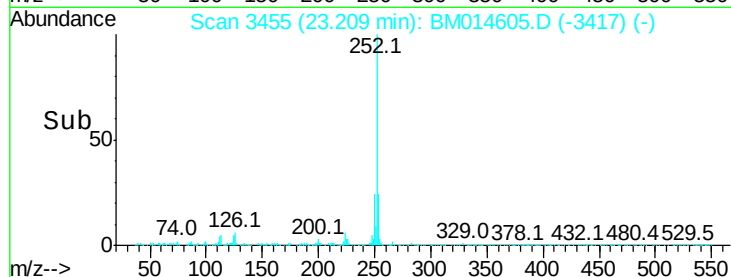
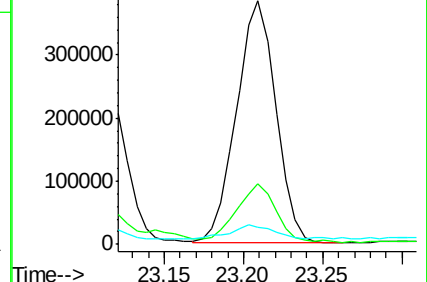
125 7.1 4.0 6.0#



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: 20.086 ng/ul

RT: 25.46 min Scan# 3838

Delta R.T. 0.04 min

Lab File: BM014605.D

Acq: 16 Mar 2018 10:57

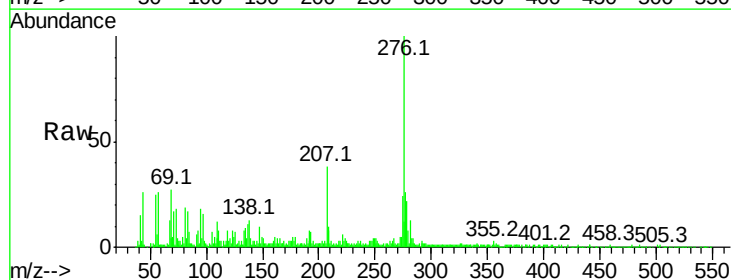
Tgt Ion:276 Resp: 439687

Ion Ratio Lower Upper

276 100

138 12.9 9.3 13.9

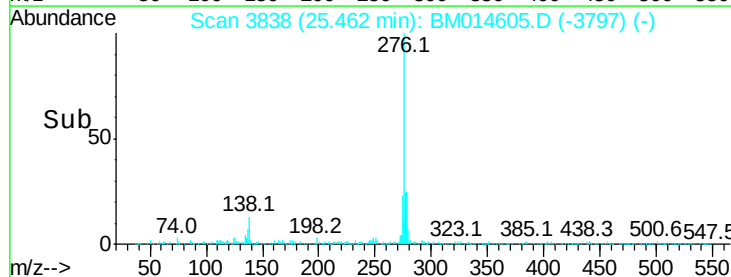
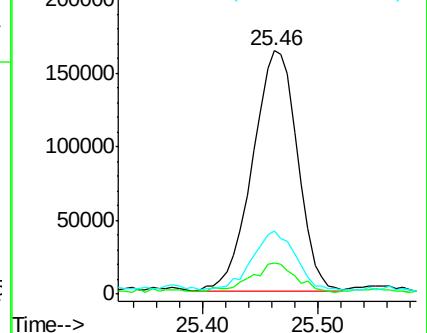
277 25.9 19.9 29.9

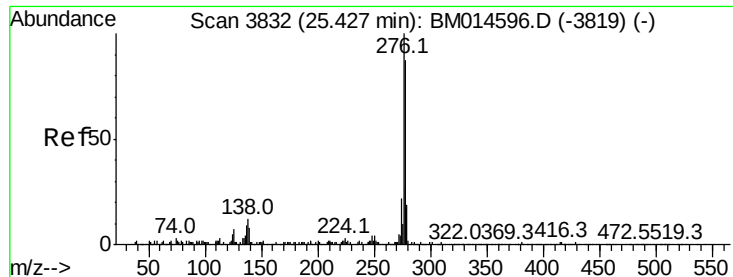


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 6.488 ng/ul

RT: 25.46 min Scan# 3837

Delta R.T. 0.04 min

Lab File: BM014605.D

Acq: 16 Mar 2018 10:57

Instrument :

BNA_M

ClientSampleId :

BEL02DL

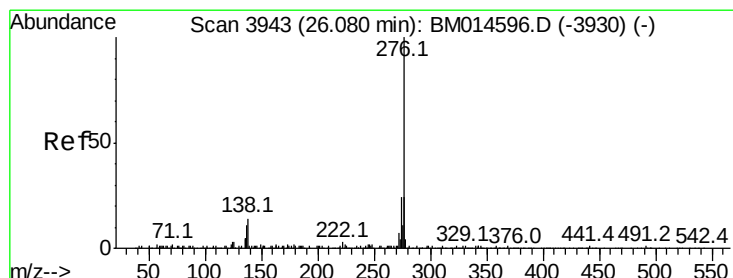
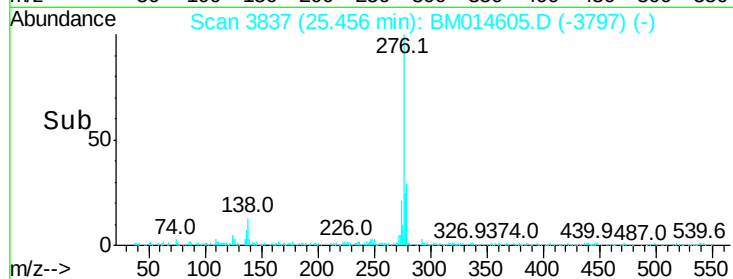
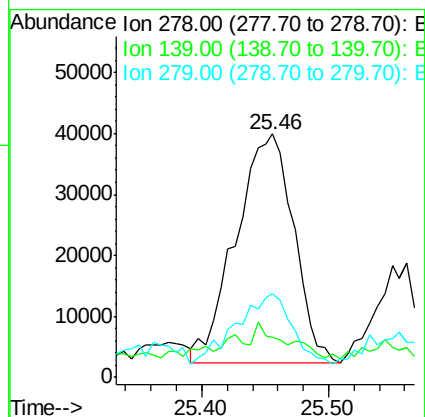
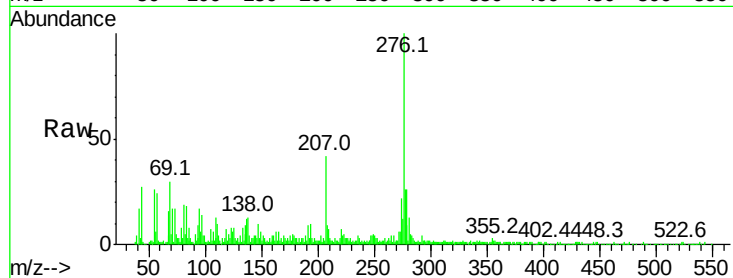
Tot Ion:278 Resp: 118878

Ion Ratio Lower Upper

278 100

139 16.6 5.8 8.8#

279 34.4 18.6 27.8#



#30

Benzo(g,h,i)perylene

Concen: 23.111 ng/ul

RT: 26.13 min Scan# 3951

Delta R.T. 0.04 min

Lab File: BM014605.D

Acq: 16 Mar 2018 10:57

Tgt Ion:276 Resp: 402986

Ion Ratio Lower Upper

276 100

138 11.6 8.5 12.7

277 24.6 18.6 28.0

