

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
 Data File : BM006623.D
 Acq On : 22 Jul 2016 13:34
 Operator : UM/SJ
 Sample : H4077-18 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YT2

Quant Time: Jul 23 00:17:25 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jul 23 00:16:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	168926	20.00	ng/ul	0.00
7) Naphthalene-d8	10.39	136	711562	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.27	164	395838	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	883141	20.00	ng/ul	0.00
29) Chrysene-d12	21.23	240	851804	20.00	ng/ul	0.00
34) Perylene-d12	23.43	264	994070	20.00	ng/ul	0.01

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.14	96	1134	0.27	ng/uL	0.00
3) Phenol-d5	6.80	99	45974	3.20	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.96	67	30910	3.47	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	37398	3.26	ng/ul	0.00
6) 4-Methylphenol-d8	8.33	113	33222	2.98	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	17026	3.16	ng/ul	0.00
9) 2-Nitrophenol-d4	9.49	143	18329	3.20	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.03	165	35548	3.28	ng/ul	0.00
12) 4-Chloroaniline-d4	10.55	131	26648	2.24	ng/ul	0.01
16) Dimethylphthalate-d6	13.68	166	108874	3.51	ng/ul	0.00
17) Acenaphthylene-d8	13.96	160	143435	3.62	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	13279	2.46	ng/ul	0.02
21) Fluorene-d10	15.26	176	104684	3.77	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.41	200	4740	1.03	ng/ul	0.00
26) Anthracene-d10	17.12	188	159319	3.80	ng/ul	0.00
30) Pyrene-d10	19.42	212	173001	4.46	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.30	264	167302	3.66	ng/ul	0.02

Target Compounds

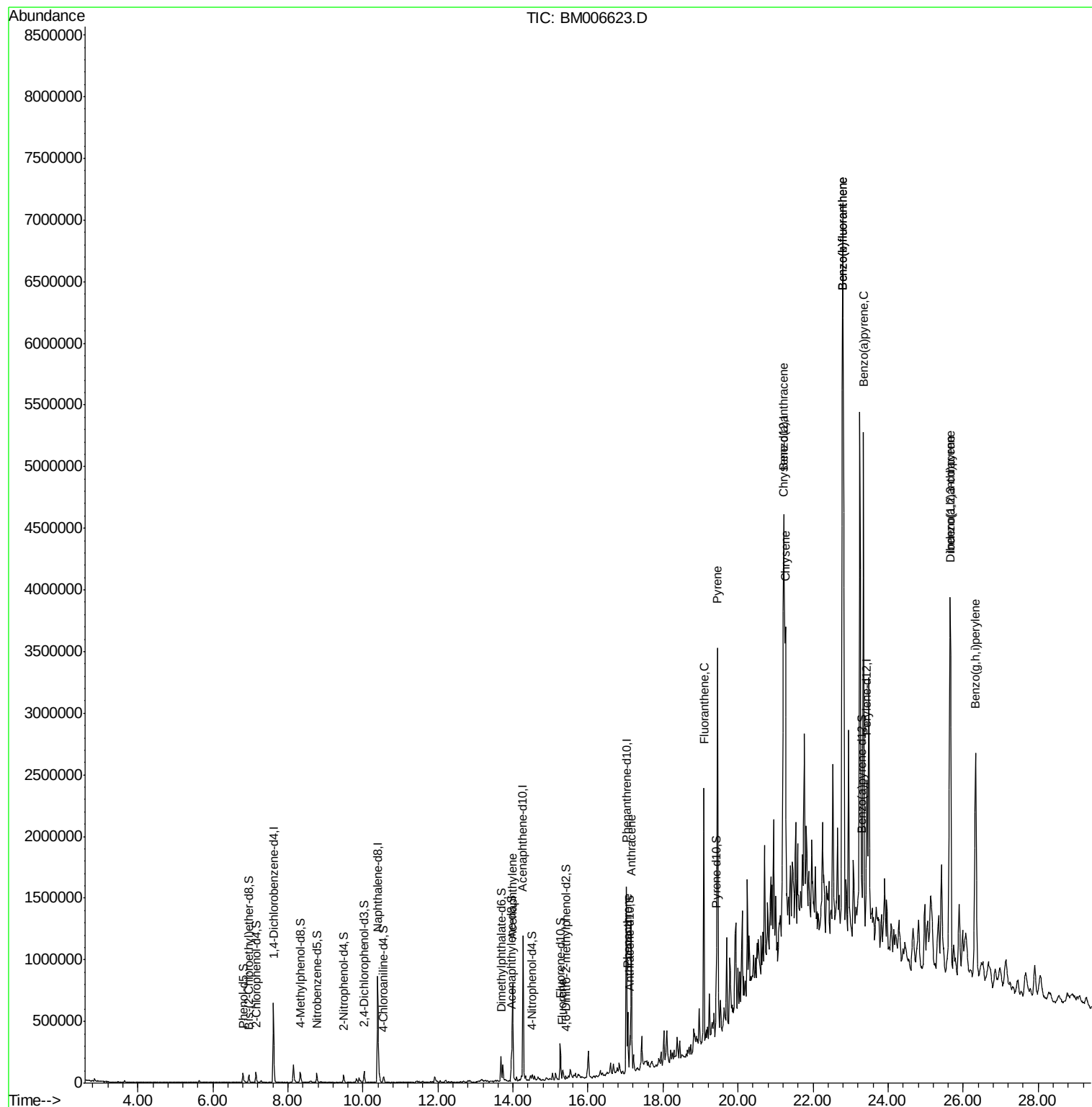
					Qvalue
18) Acenaphthylene	13.99	152	592391	13.96 ng/ul	95
22) Fluorene	15.32	166	34597	1.13 ng/ul	97
25) Phenanthrene	17.06	178	300893	6.06 ng/ul	99
27) Anthracene	17.15	178	732023	14.31 ng/ul	98
28) Fluoranthene	19.09	202	1210804	20.75 ng/ul	98
31) Pyrene	19.45	202	1955757	37.92 ng/ul	97
32) Benzo(a)anthracene	21.21	228	1734214	33.59 ng/ul	93
33) Chrysene	21.26	228	1015563	21.34 ng/ul	96
35) Benzo(b)fluoranthene	22.79	252	5432588	91.17 ng/ul	99
36) Benzo(k)fluoranthene	22.79	252	5432588	94.29 ng/ul	99
38) Benzo(a)pyrene	23.34	252	3159604	54.48 ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.66	276	2784719	41.46 ng/ul	97
40) Dibenzo(a,h)anthracene	25.64	278	936327	16.82 ng/ul	93
41) Benzo(g,h,i)perylene	26.33	276	2348630	40.80 ng/ul	96

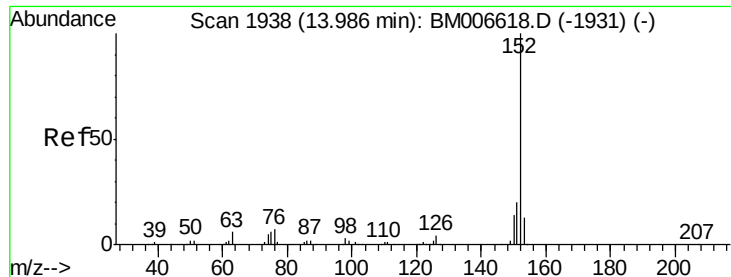
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 23 00:16:38 2016
Response via : Initial Calibration





#18

Acenaphthylene

Concen: 13.96 ng/ul

RT: 13.99 min Scan# 1938

Delta R.T. 0.00 min

Lab File: BM006623.D

Acq: 22 Jul 2016 13:34

Instrument :

BNA_M

ClientSampleId :

D9YT2

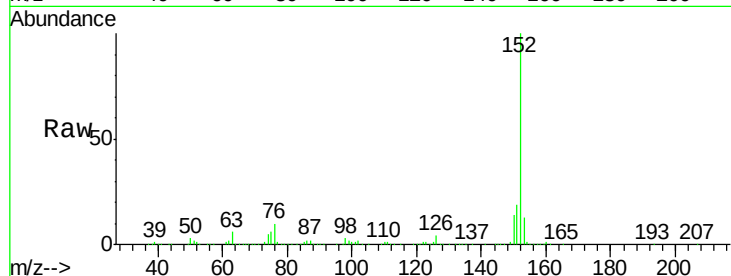
Tgt Ion:152 Resp: 592391

Ion Ratio Lower Upper

152 100

151 18.6 17.3 25.9

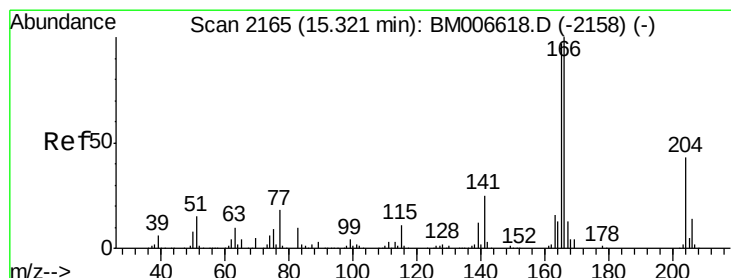
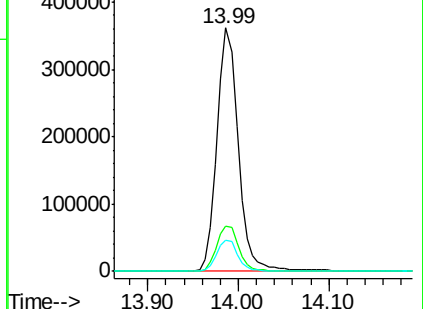
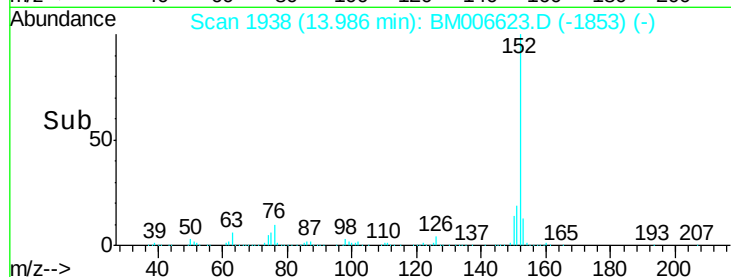
153 12.8 11.1 16.7



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



#22

Fluorene

Concen: 1.13 ng/ul

RT: 15.32 min Scan# 2165

Delta R.T. 0.00 min

Lab File: BM006623.D

Acq: 22 Jul 2016 13:34

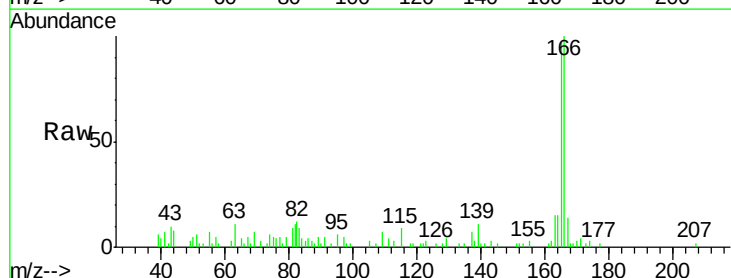
Tgt Ion:166 Resp: 34597

Ion Ratio Lower Upper

166 100

165 97.5 81.1 121.7

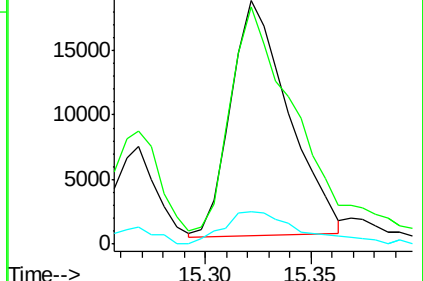
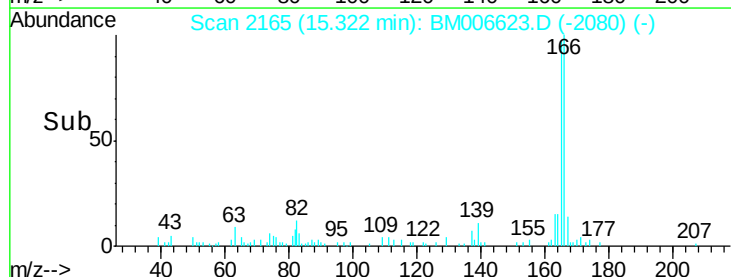
167 13.5 10.6 16.0

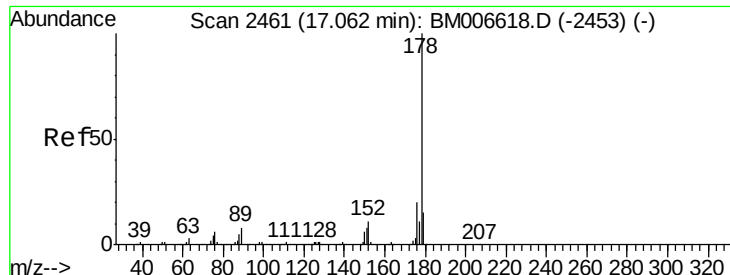


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 6.06 ng/ul

RT: 17.06 min Scan# 2461

Delta R.T. 0.00 min

Lab File: BM006623.D

Acq: 22 Jul 2016 13:34

Instrument :

BNA_M

ClientSampleId :

D9YT2

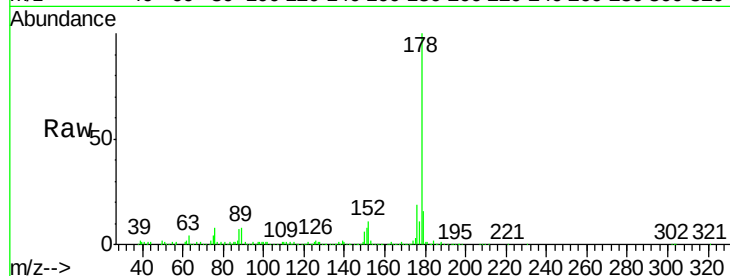
Tgt Ion:178 Resp: 300893

Ion Ratio Lower Upper

178 100

179 15.7 11.8 17.8

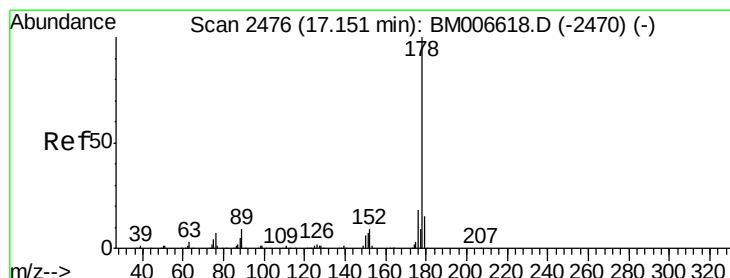
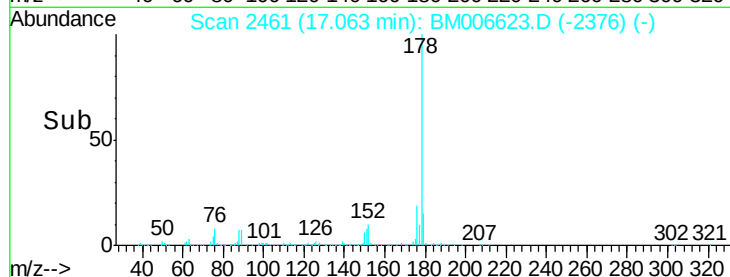
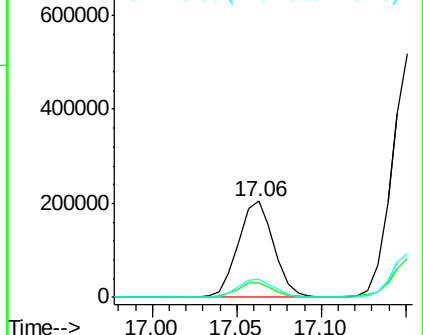
176 18.8 14.8 22.2



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



#27

Anthracene

Concen: 14.31 ng/ul

RT: 17.15 min Scan# 2476

Delta R.T. 0.00 min

Lab File: BM006623.D

Acq: 22 Jul 2016 13:34

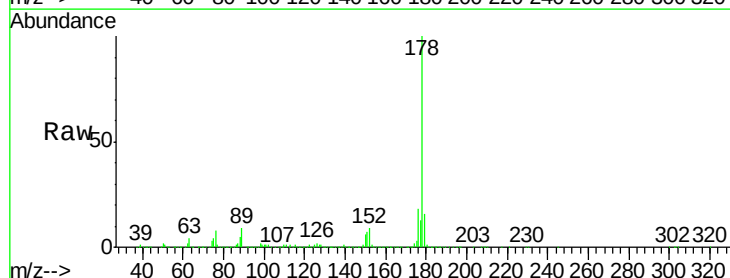
Tgt Ion:178 Resp: 732023

Ion Ratio Lower Upper

178 100

179 15.7 12.9 19.3

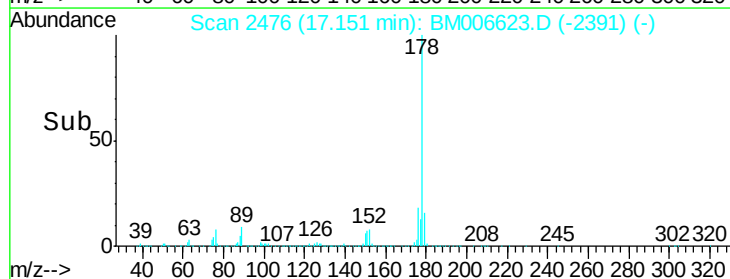
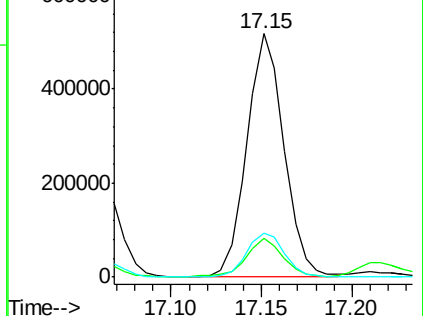
176 18.3 15.6 23.4

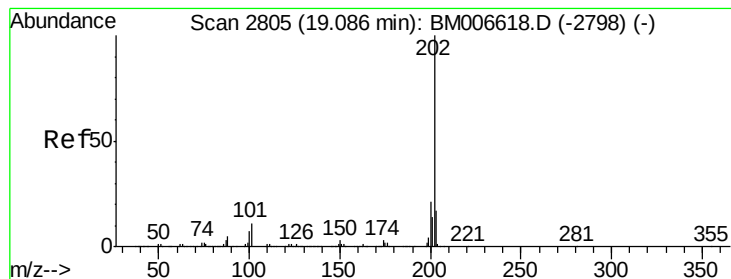


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 20.75 ng/ul

RT: 19.09 min Scan# 2805

Delta R.T. 0.00 min

Lab File: BM006623.D

Acq: 22 Jul 2016 13:34

Instrument :

BNA_M

ClientSampleId :

D9YT2

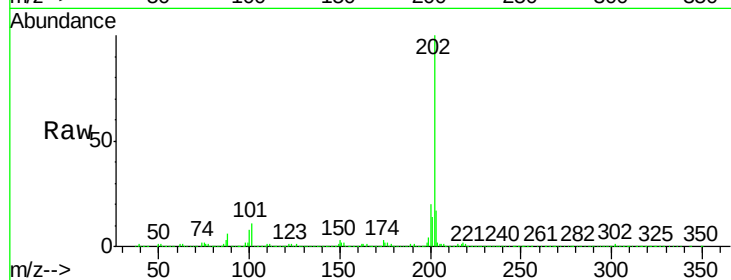
Tgt Ion:202 Resp: 1210804

Ion Ratio Lower Upper

202 100

101 10.7 8.9 13.3

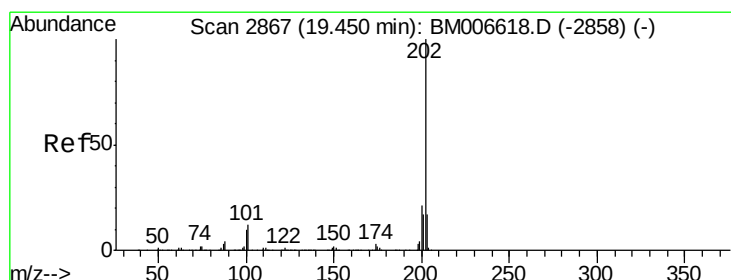
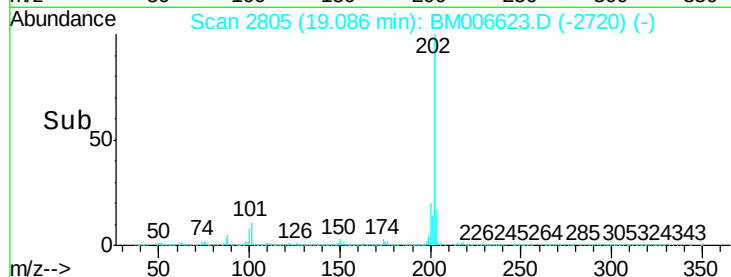
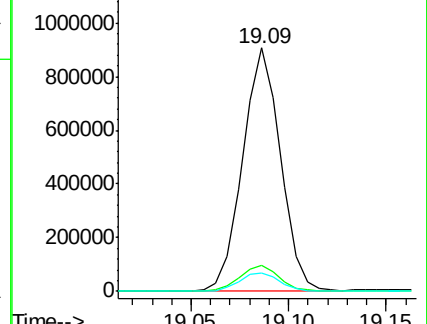
100 7.5 7.0 10.4



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



#31

Pyrene

Concen: 37.92 ng/ul

RT: 19.45 min Scan# 2867

Delta R.T. 0.00 min

Lab File: BM006623.D

Acq: 22 Jul 2016 13:34

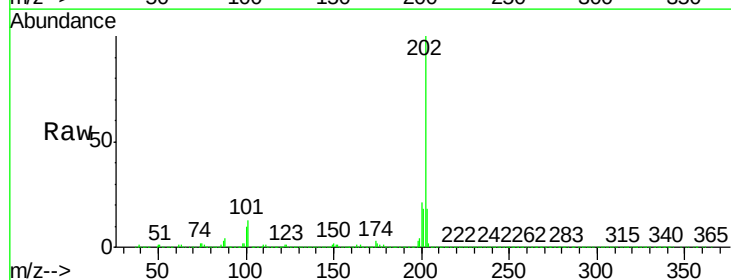
Tgt Ion:202 Resp: 1955757

Ion Ratio Lower Upper

202 100

101 12.7 9.8 14.8

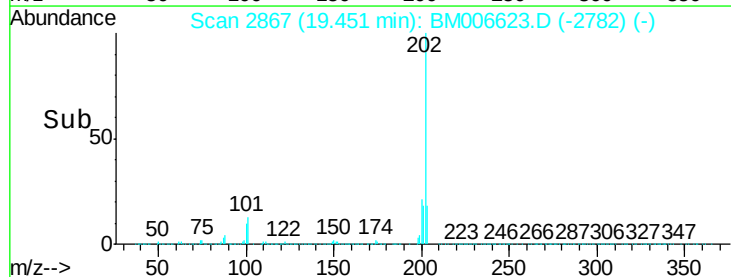
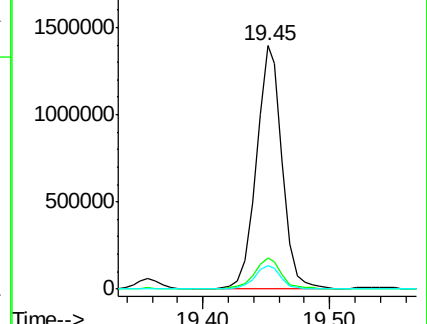
100 9.8 9.3 13.9

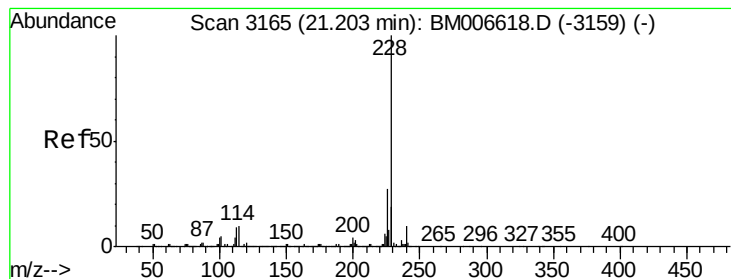


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 33.59 ng/ul

RT: 21.21 min Scan# 3166

Delta R.T. 0.01 min

Lab File: BM006623.D

Acq: 22 Jul 2016 13:34

Instrument :

BNA_M

ClientSampleId :

D9YT2

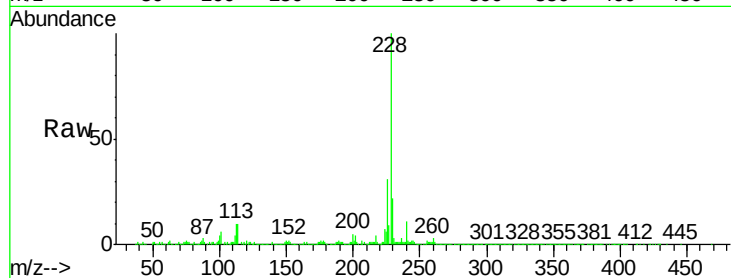
Tgt Ion:228 Resp: 1734214

Ion Ratio Lower Upper

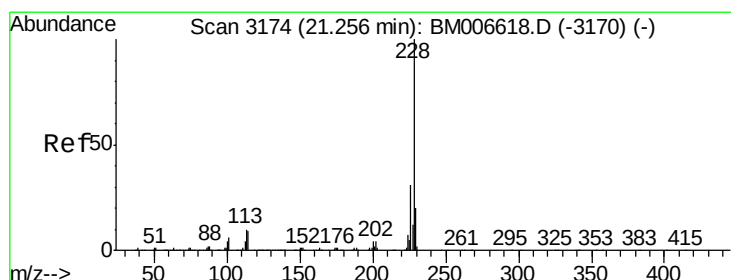
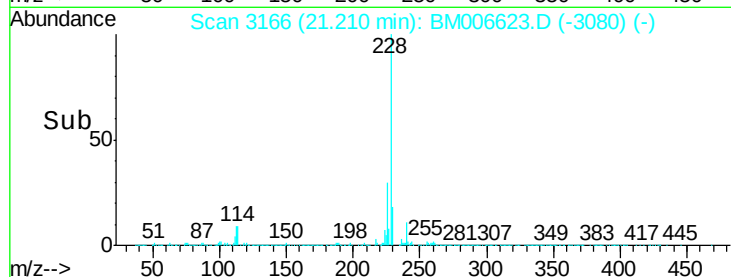
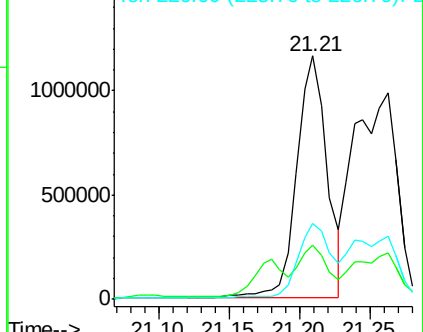
228 100

229 22.1 16.6 25.0

226 31.1 21.0 31.4



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



#33

Chrysene

Concen: 21.34 ng/ul

RT: 21.26 min Scan# 3175

Delta R.T. 0.01 min

Lab File: BM006623.D

Acq: 22 Jul 2016 13:34

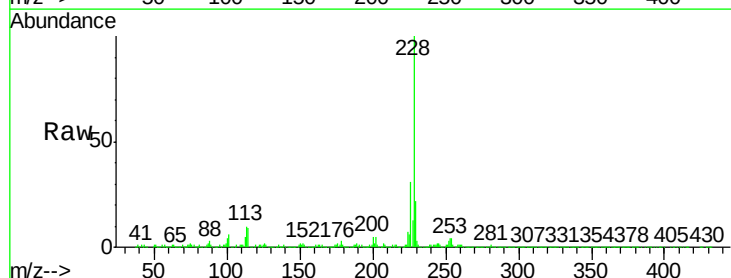
Tgt Ion:228 Resp: 1015563

Ion Ratio Lower Upper

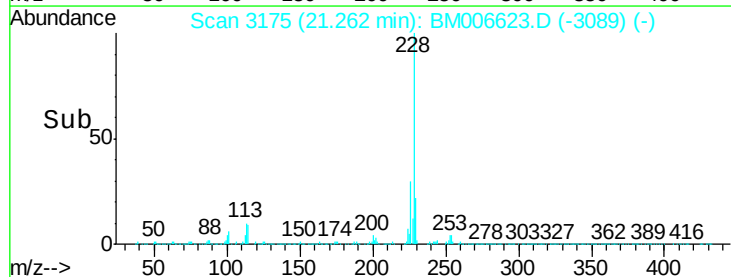
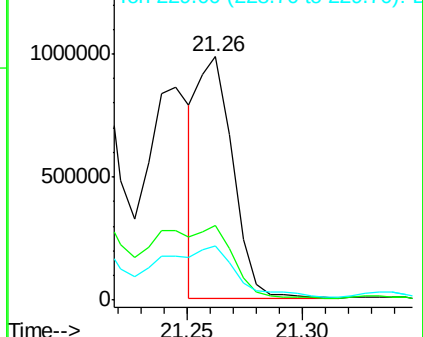
228 100

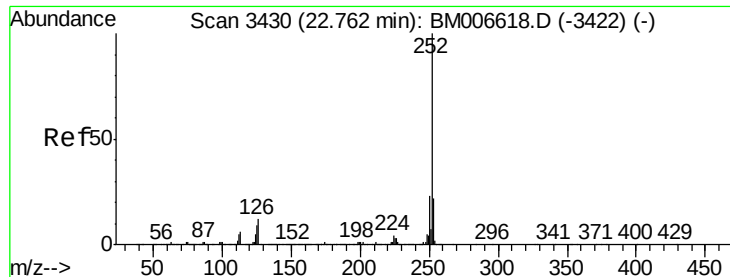
226 30.9 23.4 35.2

229 22.4 16.2 24.2



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





#35

Benzo(b)fluoranthene

Concen: 91.17 ng/ul

RT: 22.79 min Scan# 3434

Delta R.T. 0.02 min

Lab File: BM006623.D

Acq: 22 Jul 2016 13:34

Instrument :

BNA_M

ClientSampleId :

D9YT2

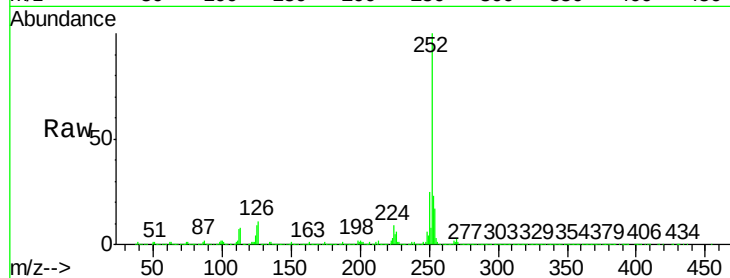
Tgt Ion:252 Resp: 5432588

Ion Ratio Lower Upper

252 100

253 22.9 18.1 27.1

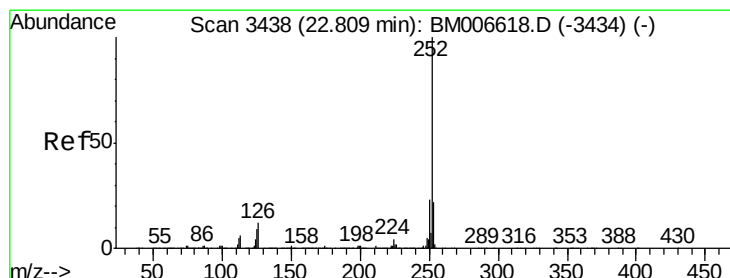
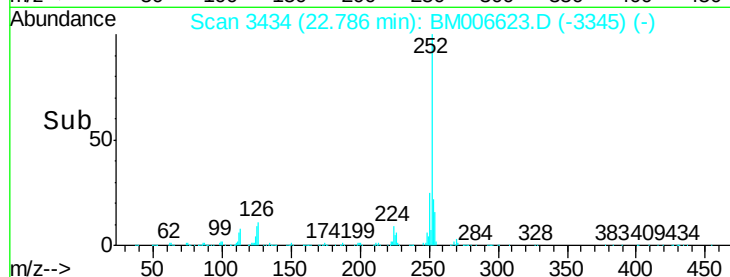
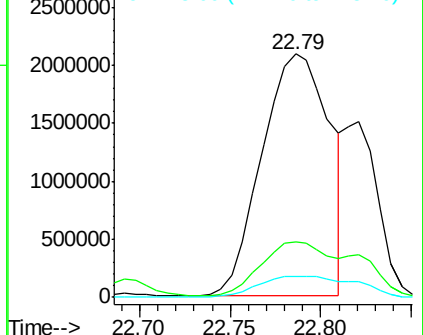
125 8.8 7.6 11.4



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



#36

Benzo(k)fluoranthene

Concen: 94.29 ng/ul

RT: 22.79 min Scan# 3434

Delta R.T. -0.02 min

Lab File: BM006623.D

Acq: 22 Jul 2016 13:34

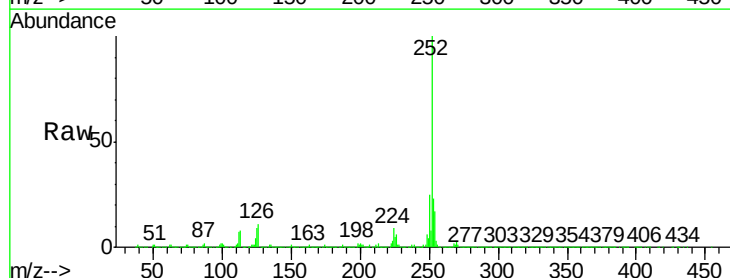
Tgt Ion:252 Resp: 5432588

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

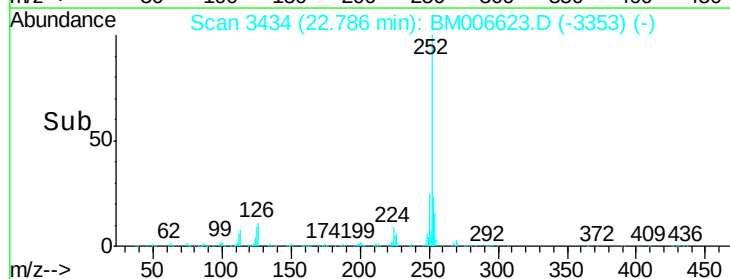
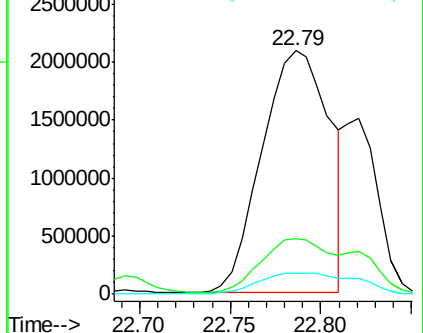
125 8.8 7.7 11.5

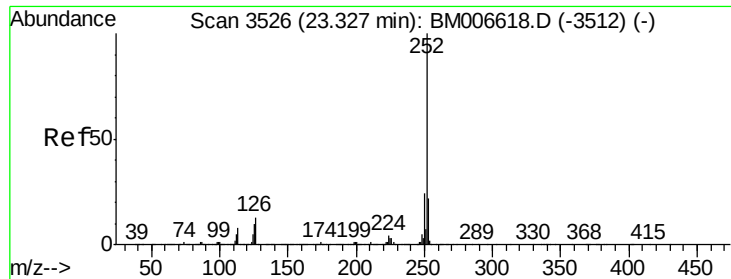


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 54.48 ng/ul

RT: 23.34 min Scan# 3529

Delta R.T. 0.02 min

Lab File: BM006623.D

Acq: 22 Jul 2016 13:34

Instrument :

BNA_M

ClientSampleId :

D9YT2

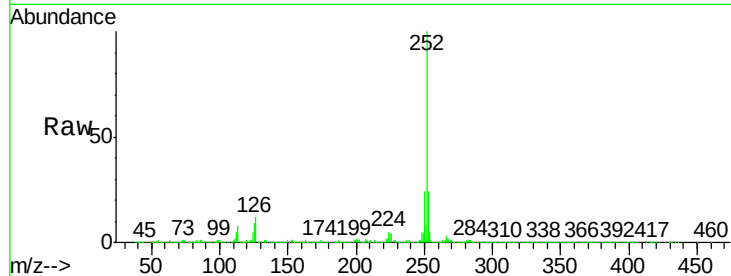
Tgt Ion:252 Resp: 3159604

Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

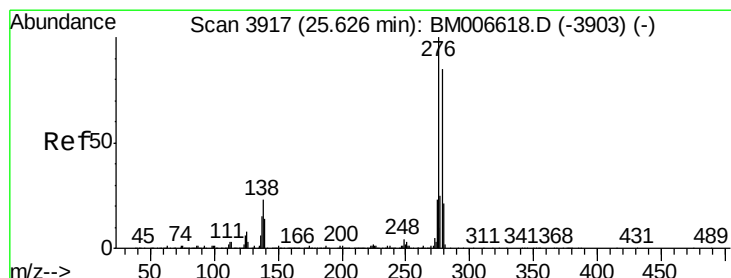
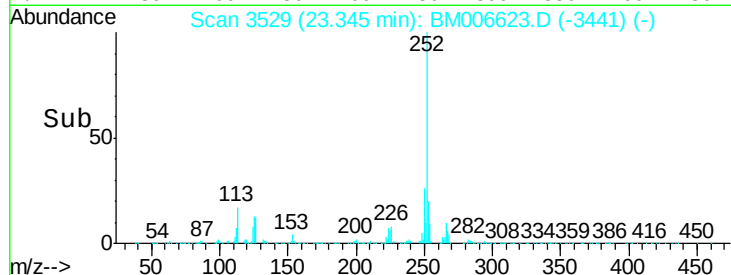
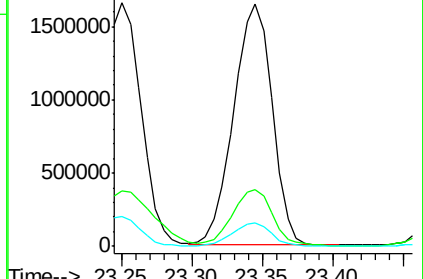
125 9.5 8.2 12.2



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



#39

Indeno(1,2,3-cd)pyrene

Concen: 41.46 ng/ul

RT: 25.66 min Scan# 3922

Delta R.T. 0.03 min

Lab File: BM006623.D

Acq: 22 Jul 2016 13:34

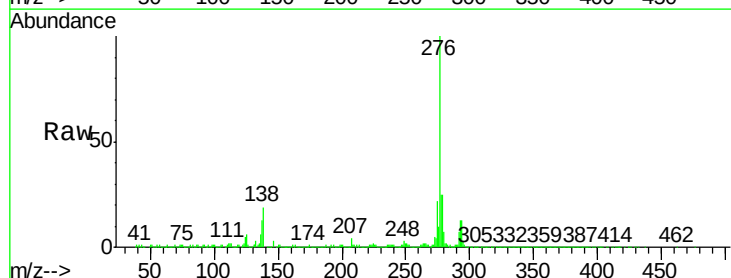
Tgt Ion:276 Resp: 2784719

Ion Ratio Lower Upper

276 100

138 18.7 15.8 23.6

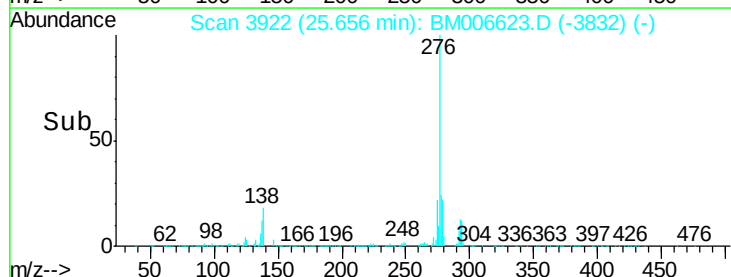
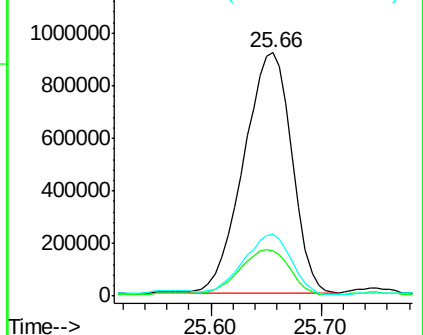
277 25.2 19.0 28.6

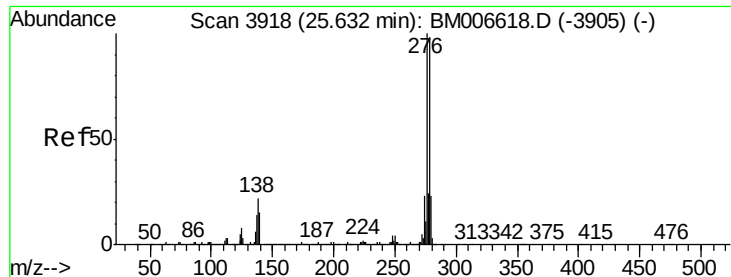


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 16.82 ng/ul

RT: 25.64 min Scan# 3920

Delta R.T. 0.01 min

Lab File: BM006623.D

Acq: 22 Jul 2016 13:34

Instrument :

BNA_M

ClientSampleId :

D9YT2

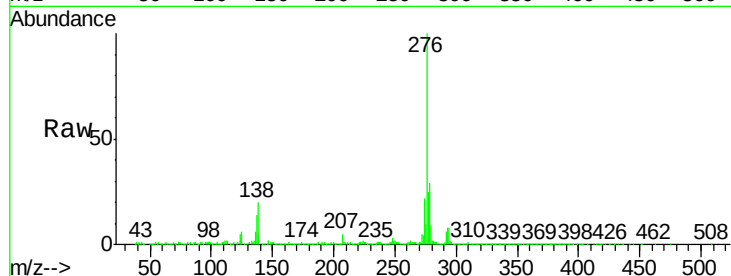
Tgt Ion:278 Resp: 936327

Ion Ratio Lower Upper

278 100

139 17.2 12.1 18.1

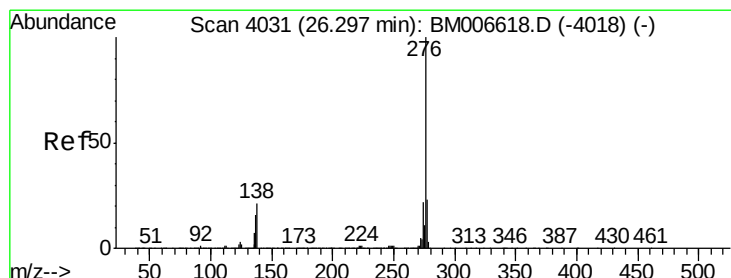
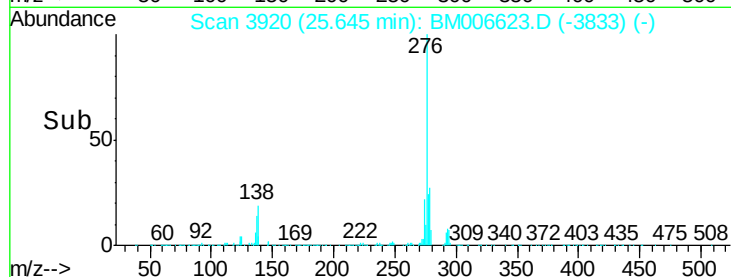
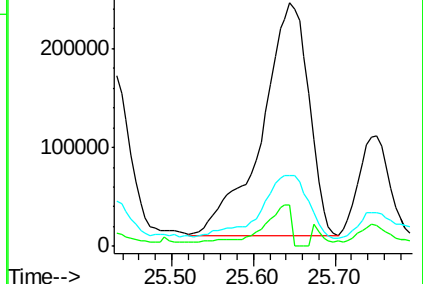
279 29.3 19.8 29.8



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#41

Benzo(g,h,i)perylene

Concen: 40.80 ng/ul

RT: 26.33 min Scan# 4037

Delta R.T. 0.04 min

Lab File: BM006623.D

Acq: 22 Jul 2016 13:34

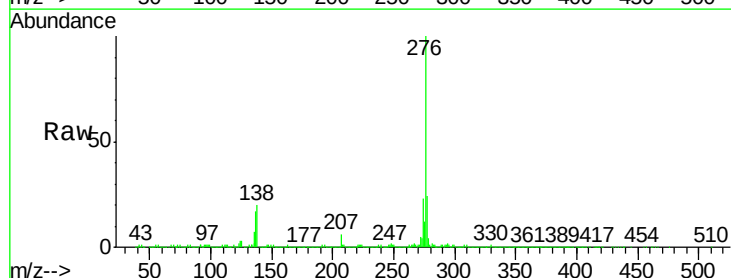
Tgt Ion:276 Resp: 2348630

Ion Ratio Lower Upper

276 100

138 20.4 13.9 20.9

277 24.1 19.8 29.6



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

