

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072116\
 Data File : BM006604.D
 Acq On : 22 Jul 2016 01:52
 Operator : UM/SJ
 Sample : H4078-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YR9

Quant Time: Jul 22 03:24:01 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 22 01:56:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	159065	20.00	ng/ul	0.00
7) Naphthalene-d8	10.39	136	668614	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	365729	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.11	188	771050	20.00	ng/ul	0.09
29) Chrysene-d12	21.22	240	923032	20.00	ng/ul	0.00
34) Perylene-d12	23.41	264	994361	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.14	96	6098	1.55	ng/uL	0.00
3) Phenol-d5	6.79	99	230674	17.05	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	160960	19.20	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	195258	18.06	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	151112	14.40	ng/ul	0.00
8) Nitrobenzene-d5	8.76	128	95105	18.79	ng/ul	0.00
9) 2-Nitrophenol-d4	9.48	143	100595	18.69	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	180293	17.73	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	156728	13.99	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	553354	19.30	ng/ul	0.00
17) Acenaphthylene-d8	13.95	160	719172	19.65	ng/ul	0.00
20) 4-Nitrophenol-d4	14.49	143	35769	7.18	ng/ul	0.01
21) Fluorene-d10	15.26	176	503741	19.64	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	39141	9.78	ng/ul	0.00
26) Anthracene-d10	17.11	188	771048	21.06	ng/ul	0.00
30) Pyrene-d10	19.42	212	877023	20.85	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.27	264	909397	19.88	ng/ul	0.00

Target Compounds

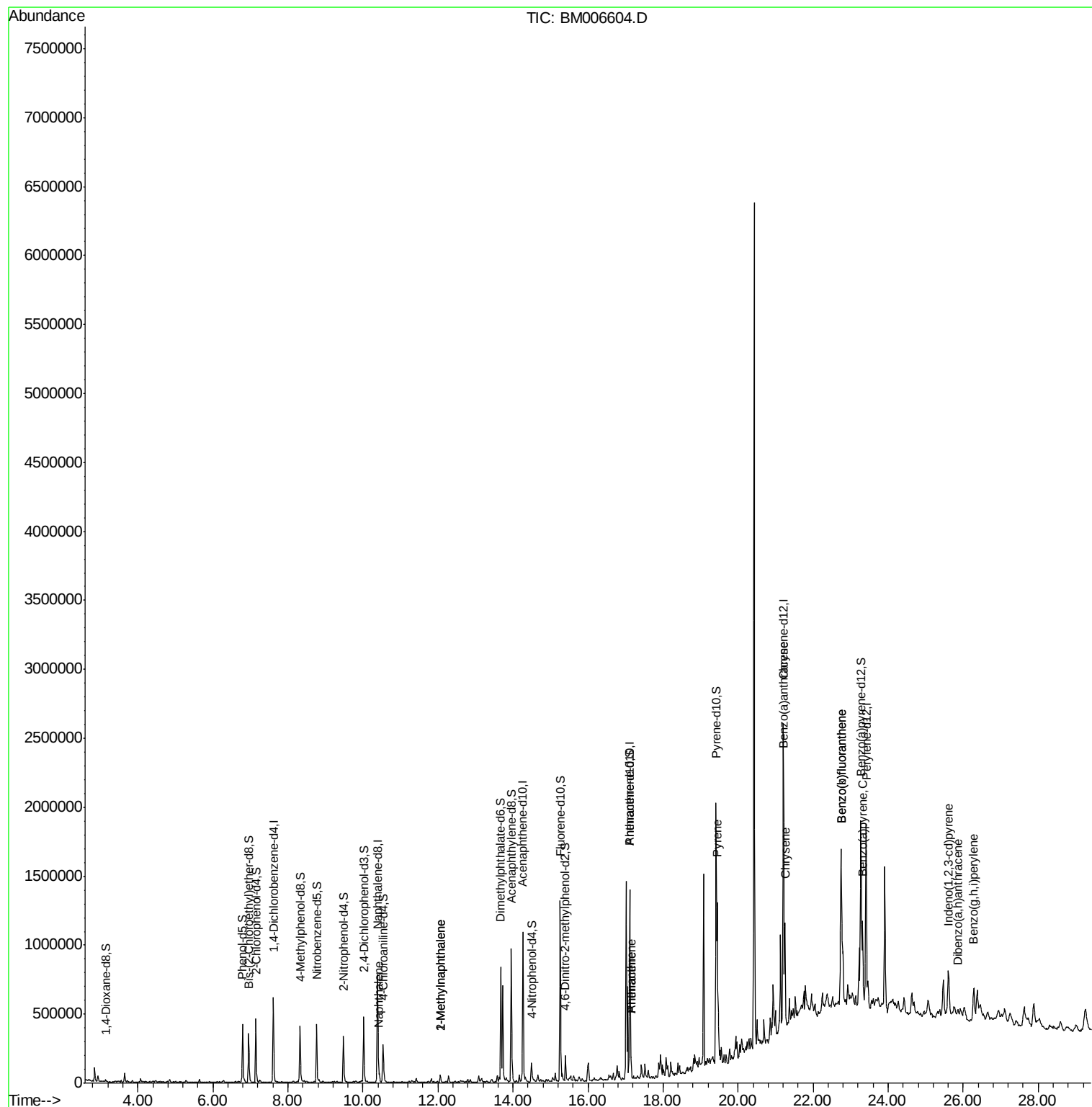
						Qvalue
11) Naphthalene	10.44	128	37350	1.08	ng/ul#	94
13) 2-Methylnaphthalene	12.06	142	27375	1.08	ng/ul	96
14) 1-Methylnaphthalene	12.06	142	27375	1.13	ng/ul	90
25) Phenanthrene	17.14	178	85186	1.96	ng/ul	96
27) Anthracene	17.14	178	85186	1.91	ng/ul	98
31) Pyrene	19.44	202	679430	12.16	ng/ul	98
32) Benzo(a)anthracene	21.20	228	426021	7.62	ng/ul	98
33) Chrysene	21.25	228	418779	8.12	ng/ul	96
35) Benzo(b)fluoranthene	22.76	252	641349	10.76	ng/ul	100
36) Benzo(k)fluoranthene	22.76	252	641349	11.13	ng/ul	99
38) Benzo(a)pyrene	23.32	252	410196	7.07	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.61	276	314184	4.68	ng/ul	100
40) Dibenzo(a,h)anthracene	25.87	278	60211	1.08	ng/ul	97
41) Benzo(g,h,i)perylene	26.28	276	309962	5.38	ng/ul	99

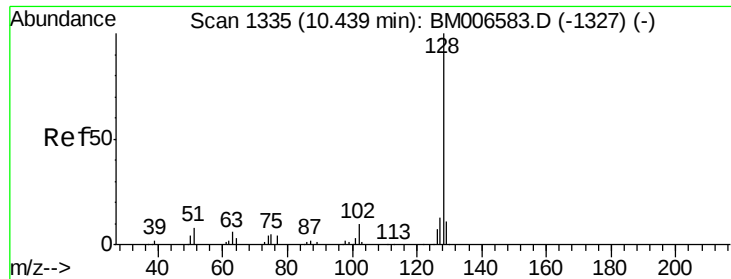
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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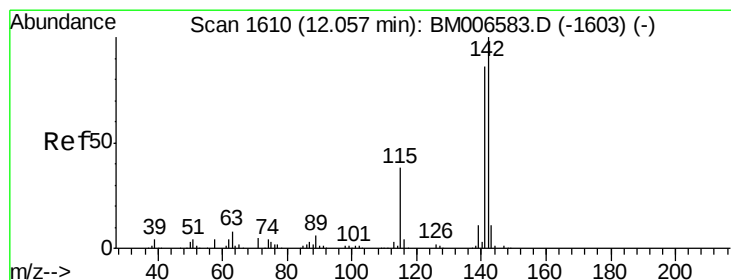
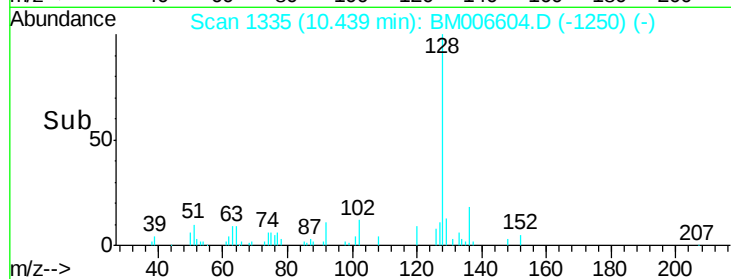
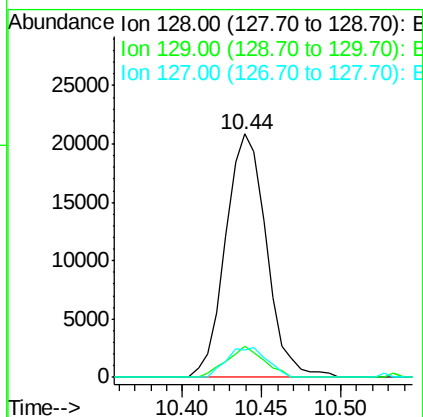
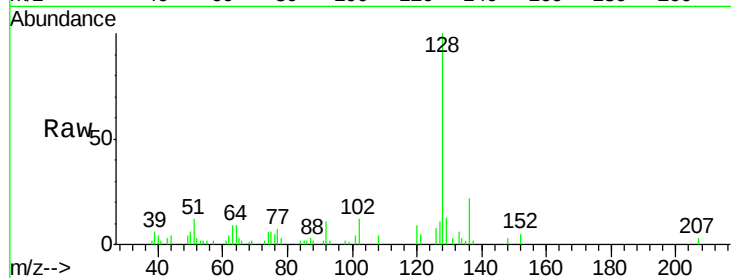




#11
Naphthalene
Concen: 1.08 ng/ul
RT: 10.44 min Scan# 1335
Delta R.T. 0.00 min
Lab File: BM006604.D
Acq: 22 Jul 2016 01:52

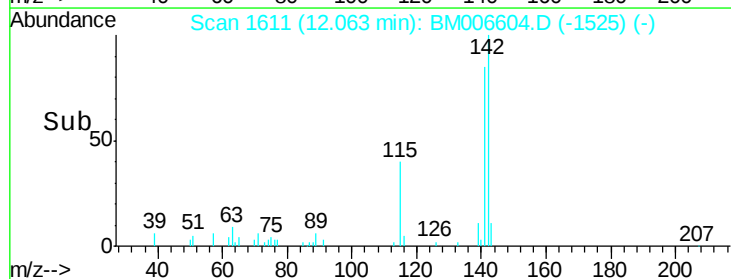
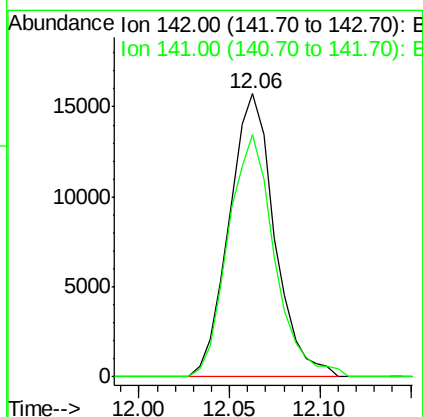
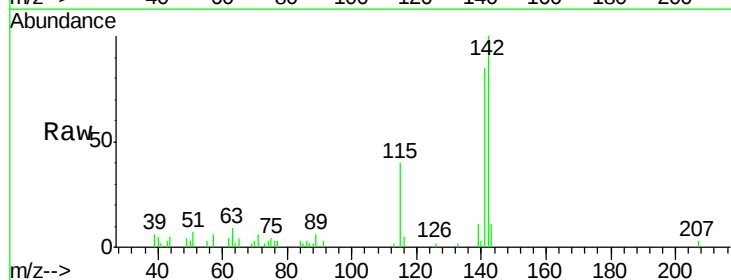
Instrument :
BNA_M
ClientSampleId :
D9YR9

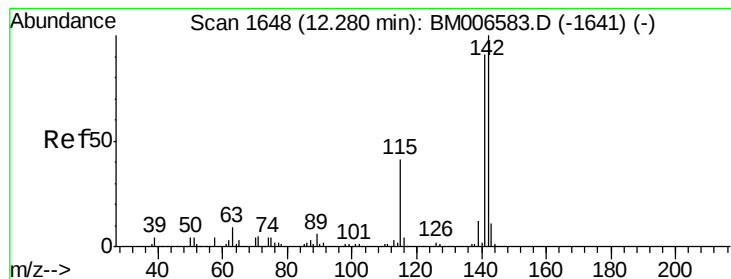
Tgt Ion:128 Resp: 37350
Ion Ratio Lower Upper
128 100
129 12.5 8.3 12.5#
127 11.2 10.8 16.2



#13
2-Methylnaphthalene
Concen: 1.08 ng/ul
RT: 12.06 min Scan# 1611
Delta R.T. 0.01 min
Lab File: BM006604.D
Acq: 22 Jul 2016 01:52

Tgt Ion:142 Resp: 27375
Ion Ratio Lower Upper
142 100
141 85.4 71.3 106.9





#14

1-Methylnaphthalene

Concen: 1.13 ng/ul

RT: 12.06 min Scan# 1611

Delta R.T. -0.22 min

Lab File: BM006604.D

Acq: 22 Jul 2016 01:52

Instrument :

BNA_M

ClientSampleId :

D9YR9

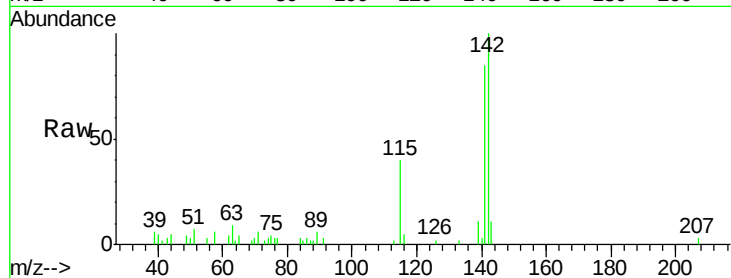
Tgt Ion:142 Resp: 27375

Ion Ratio Lower Upper

142 100

141 85.4 77.0 115.4

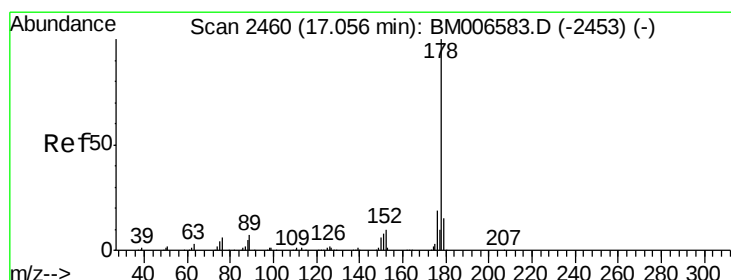
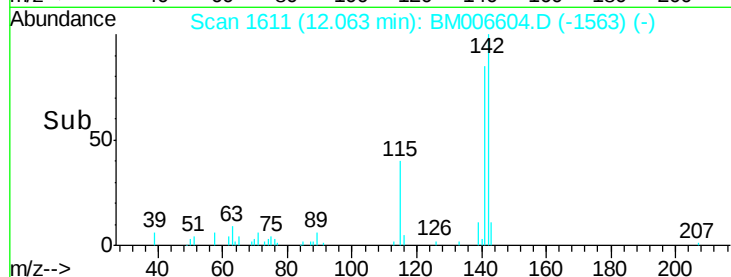
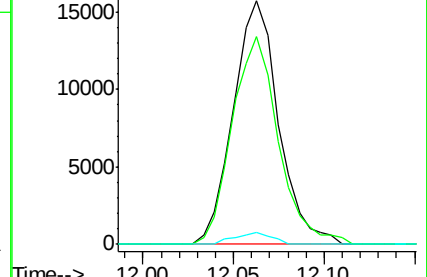
116 5.0 4.2 6.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#25

Phenanthrene

Concen: 1.96 ng/ul

RT: 17.14 min Scan# 2475

Delta R.T. 0.09 min

Lab File: BM006604.D

Acq: 22 Jul 2016 01:52

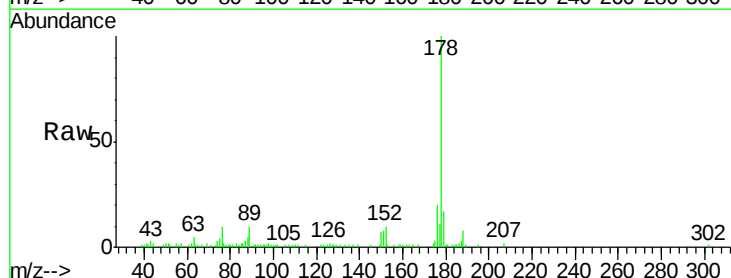
Tgt Ion:178 Resp: 85186

Ion Ratio Lower Upper

178 100

179 17.1 11.8 17.8

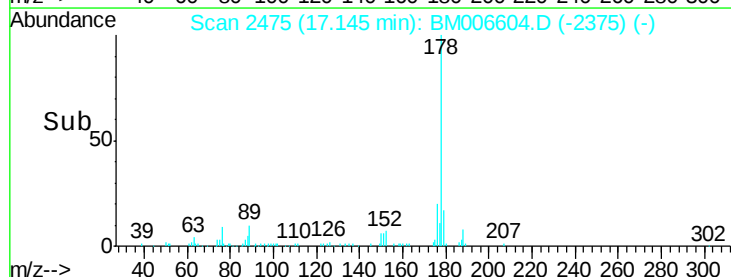
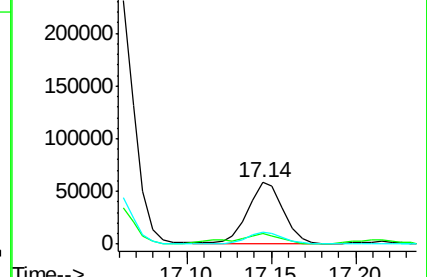
176 20.0 14.8 22.2

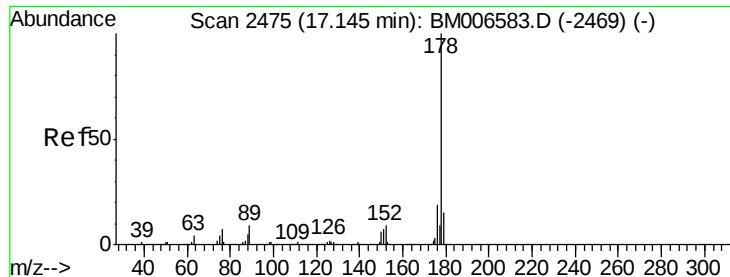


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

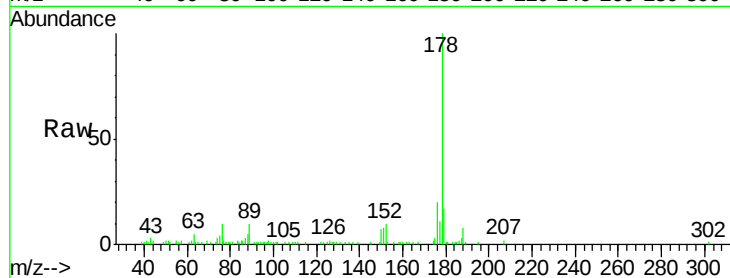




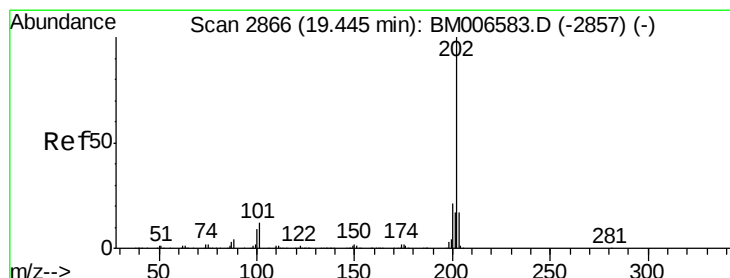
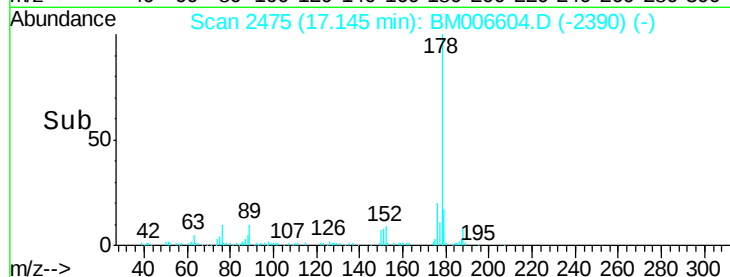
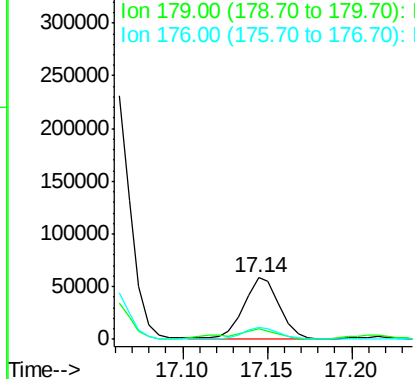
#27
 Anthracene
 Concen: 1.91 ng/ul
 RT: 17.14 min Scan# 2475
 Delta R.T. 0.00 min
 Lab File: BM006604.D
 Acq: 22 Jul 2016 01:52

Instrument :
 BNA_M
 ClientSampleId :
 D9YR9

Tgt Ion:178 Resp: 85186
 Ion Ratio Lower Upper
 178 100
 179 17.1 12.9 19.3
 176 20.0 15.6 23.4

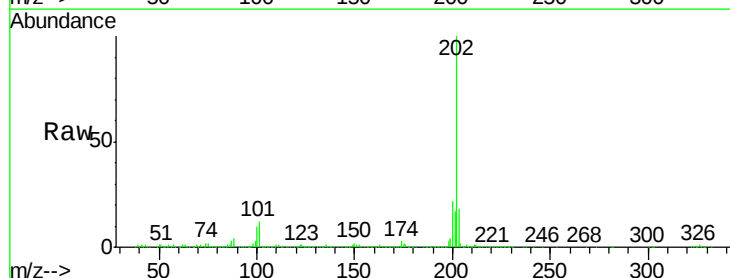


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

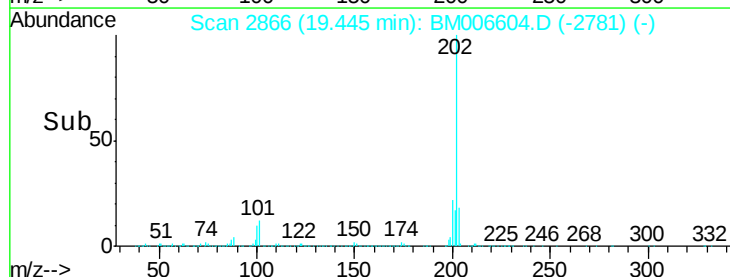
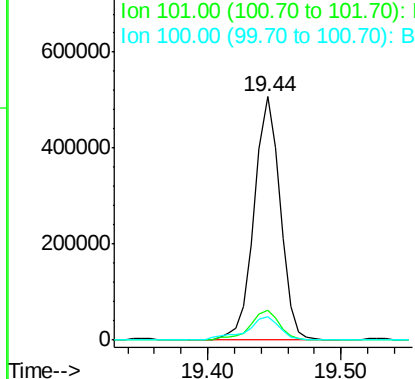


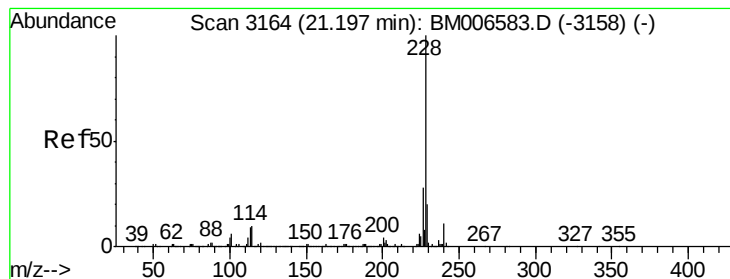
#31
 Pyrene
 Concen: 12.16 ng/ul
 RT: 19.44 min Scan# 2866
 Delta R.T. 0.00 min
 Lab File: BM006604.D
 Acq: 22 Jul 2016 01:52

Tgt Ion:202 Resp: 679430
 Ion Ratio Lower Upper
 202 100
 101 12.2 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: 7.62 ng/ul

RT: 21.20 min Scan# 3164

Delta R.T. 0.00 min

Lab File: BM006604.D

Acq: 22 Jul 2016 01:52

Instrument :

BNA_M

ClientSampleId :

D9YR9

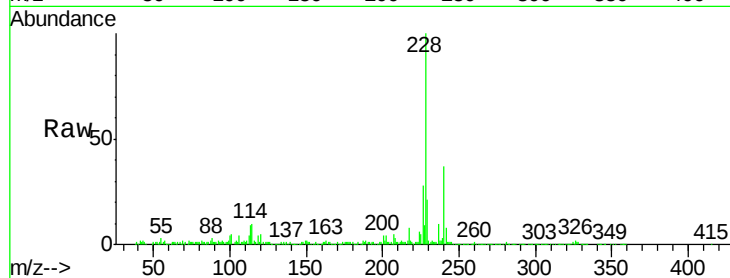
Tgt Ion:228 Resp: 426021

Ion Ratio Lower Upper

228 100

229 20.7 16.6 25.0

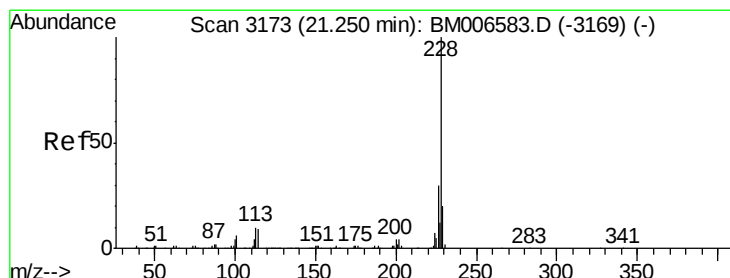
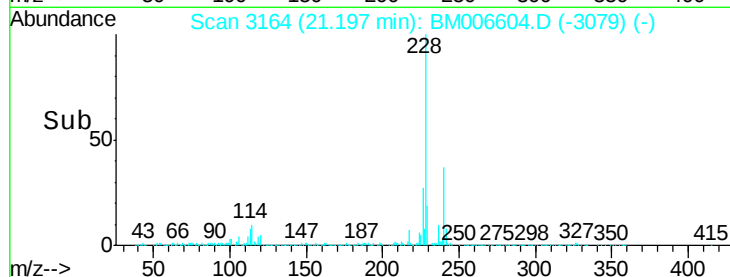
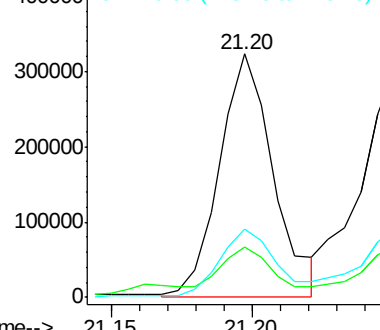
226 27.9 21.0 31.4



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: 8.12 ng/ul

RT: 21.25 min Scan# 3173

Delta R.T. 0.00 min

Lab File: BM006604.D

Acq: 22 Jul 2016 01:52

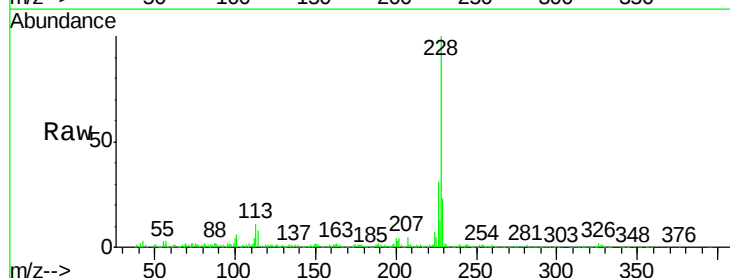
Tgt Ion:228 Resp: 418779

Ion Ratio Lower Upper

228 100

226 30.5 23.4 35.2

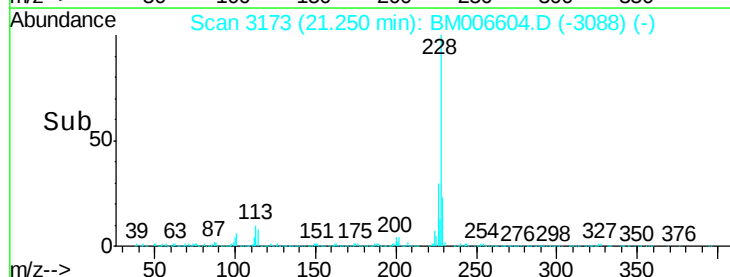
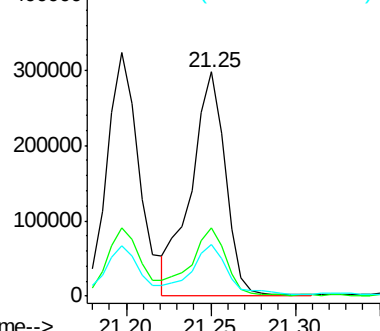
229 23.0 16.2 24.2

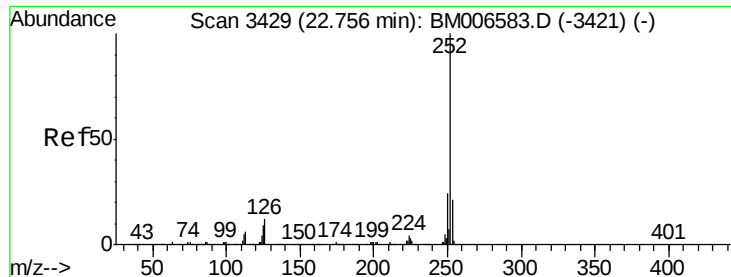


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 10.76 ng/ul

RT: 22.76 min Scan# 3429

Delta R.T. 0.00 min

Lab File: BM006604.D

Acq: 22 Jul 2016 01:52

Instrument :

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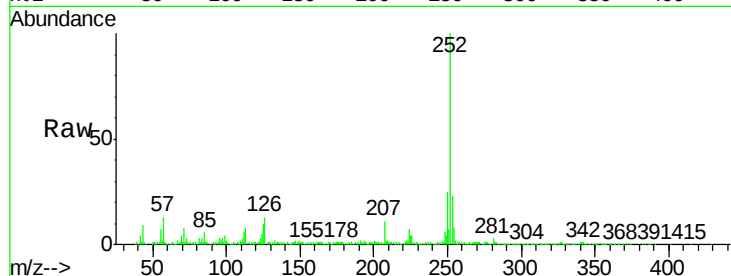
Tgt Ion:252 Resp: 641349

Ion Ratio Lower Upper

252 100

253 22.7 18.1 27.1

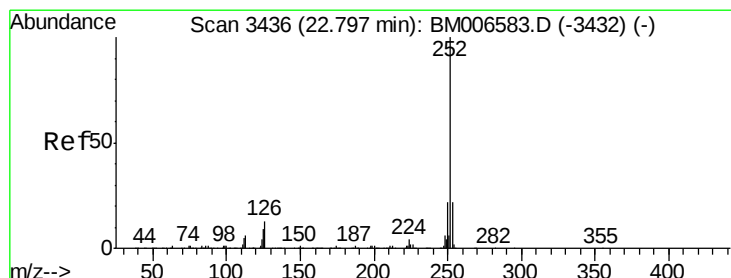
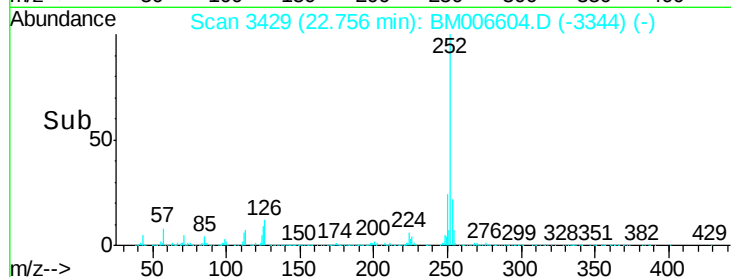
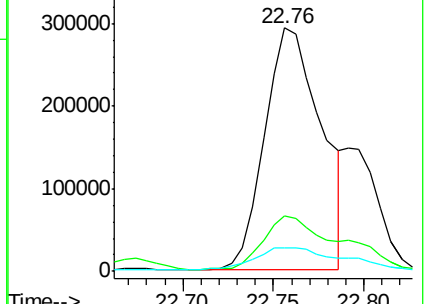
125 9.7 7.6 11.4



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: 11.13 ng/ul

RT: 22.76 min Scan# 3429

Delta R.T. -0.04 min

Lab File: BM006604.D

Acq: 22 Jul 2016 01:52

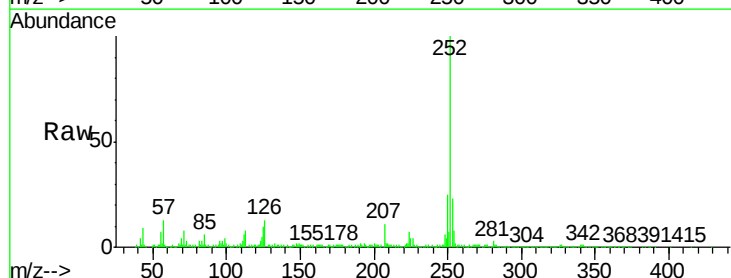
Tgt Ion:252 Resp: 641349

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.8

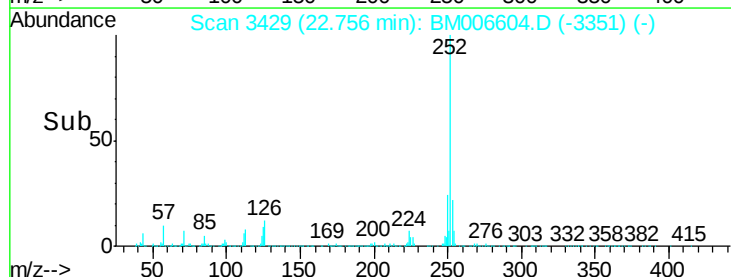
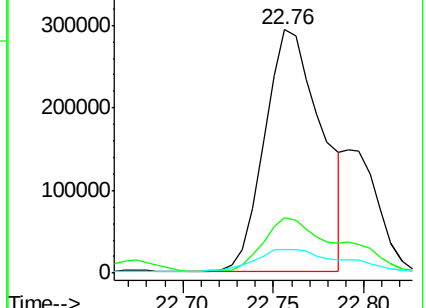
125 9.7 7.7 11.5

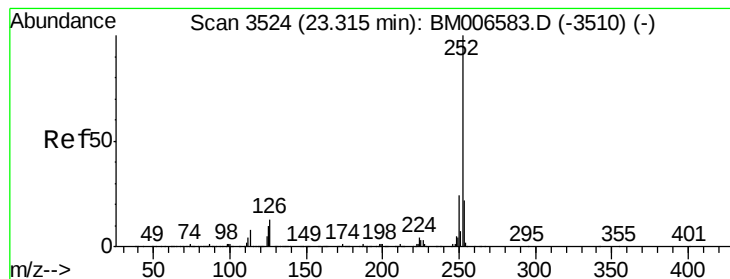


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

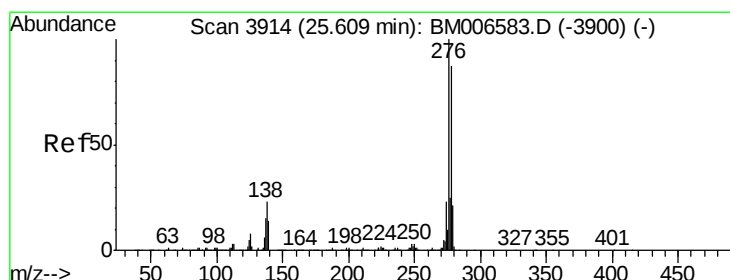
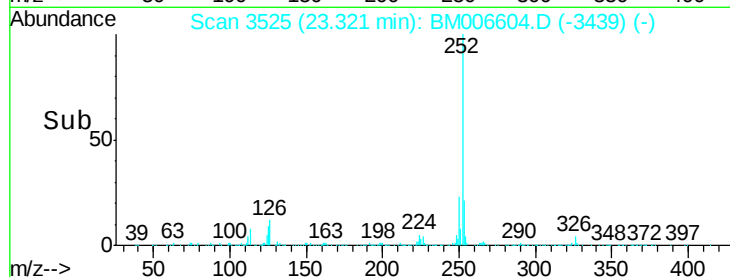
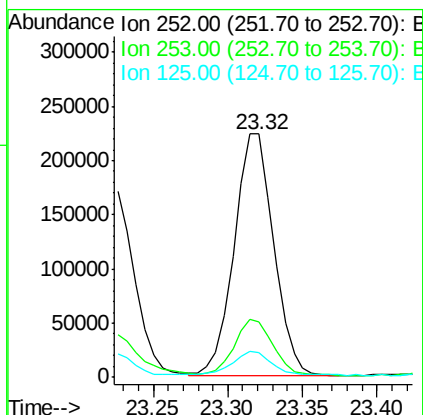
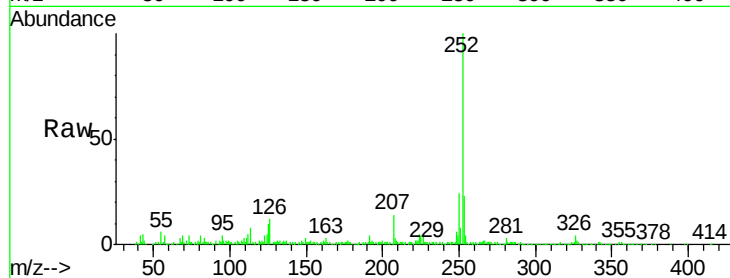




#38
Benzo(a)pyrene
Concen: 7.07 ng/ul
RT: 23.32 min Scan# 3525
Delta R.T. 0.01 min
Lab File: BM006604.D
Acq: 22 Jul 2016 01:52

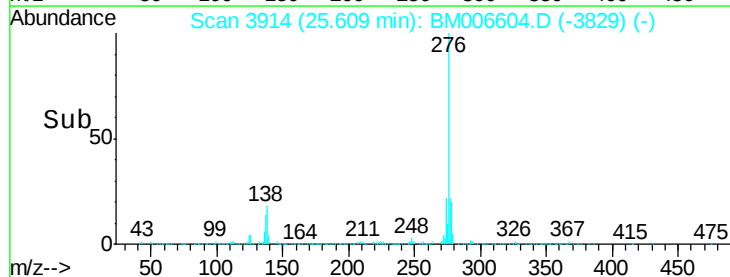
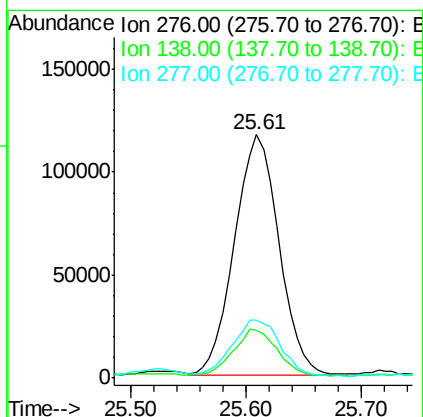
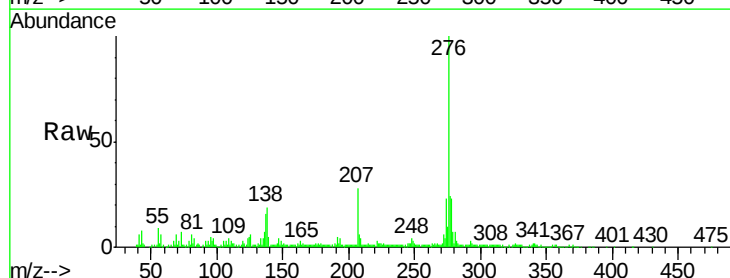
Instrument :
BNA_M
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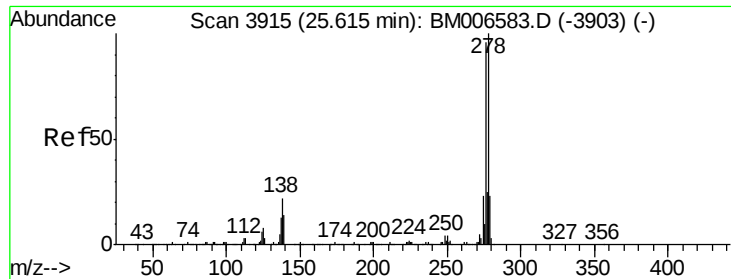
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.0
125	10.1	8.2	12.2



#39
Indeno(1,2,3-cd)pyrene
Concen: 4.68 ng/ul
RT: 25.61 min Scan# 3914
Delta R.T. 0.00 min
Lab File: BM006604.D
Acq: 22 Jul 2016 01:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.4	15.8	23.6
277	23.7	19.0	28.6





#40

Dibenzo(a,h)anthracene

Concen: 1.08 ng/ul

RT: 25.87 min Scan# 3958

Delta R.T. 0.25 min

Lab File: BM006604.D

Acq: 22 Jul 2016 01:52

Instrument :

BNA_M

ClientSampleId :

D9YR9

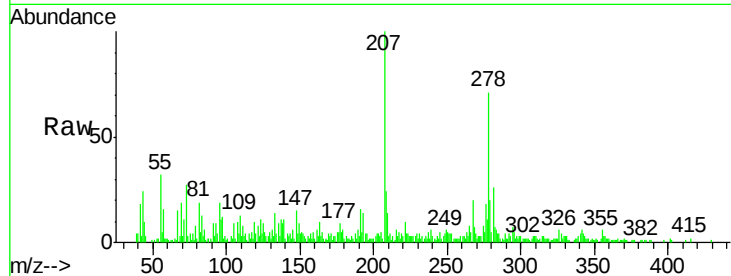
Tgt Ion:278 Resp: 60211

Ion Ratio Lower Upper

278 100

139 15.3 12.1 18.1

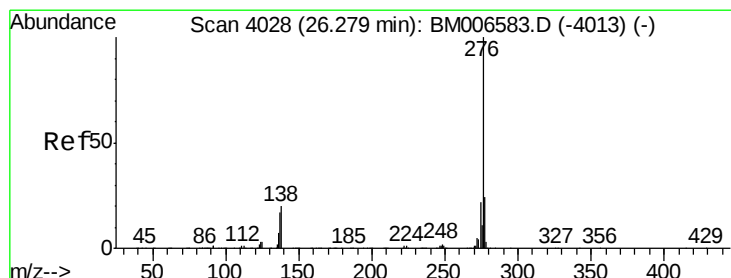
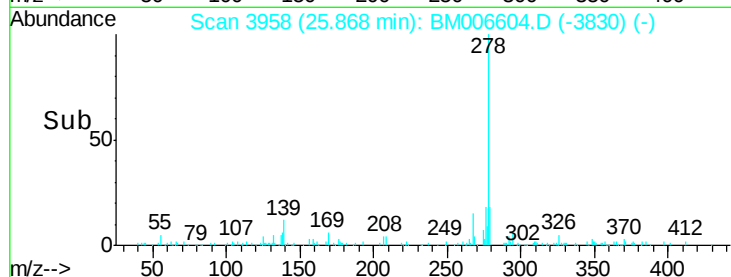
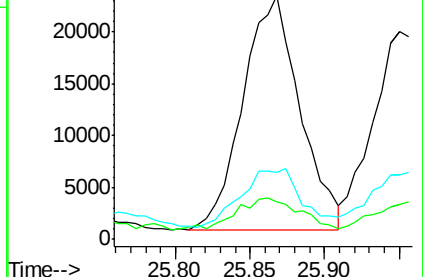
279 27.4 19.8 29.8



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: 5.38 ng/ul

RT: 26.28 min Scan# 4028

Delta R.T. 0.00 min

Lab File: BM006604.D

Acq: 22 Jul 2016 01:52

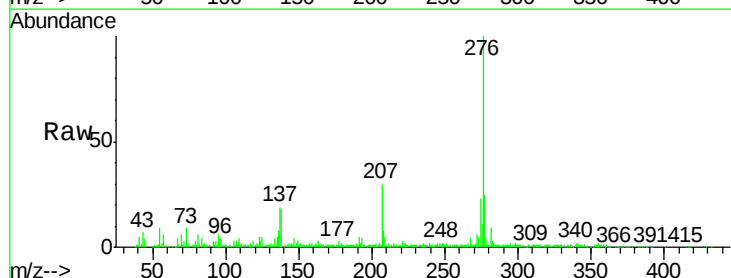
Tgt Ion:276 Resp: 309962

Ion Ratio Lower Upper

276 100

138 18.5 13.9 20.9

277 24.9 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

