

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062516\
 Data File : BM006013.D
 Acq On : 25 Jun 2016 22:14
 Operator : UM/SJ
 Sample : H3670-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y82

Quant Time: Jun 26 04:43:06 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jun 26 04:39:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	219034	20.00	ng/ul	0.00
7) Naphthalene-d8	10.43	136	1113988	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	740667	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1934786	20.00	ng/ul	0.00
29) Chrysene-d12	21.24	240	2657998	20.00	ng/ul	0.00
34) Perylene-d12	23.47	264	3100492	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	7004	1.43	ng/uL	0.00
3) Phenol-d5	6.83	99	264784	11.49	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	176012	13.73	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	198356	12.36	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	204799	10.53	ng/ul	0.00
8) Nitrobenzene-d5	8.80	128	108162	12.75	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	119827	12.70	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	217183	12.00	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	321738	16.38	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	851575	13.43	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	1015436	13.81	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	153767	11.37	ng/ul	0.00
21) Fluorene-d10	15.30	176	755137	13.95	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	113618	10.58	ng/ul	0.00
26) Anthracene-d10	17.15	188	1251355	14.08	ng/ul	0.00
30) Pyrene-d10	19.45	212	1679143	14.42	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.32	264	2130774	15.22	ng/ul	0.00

Target Compounds

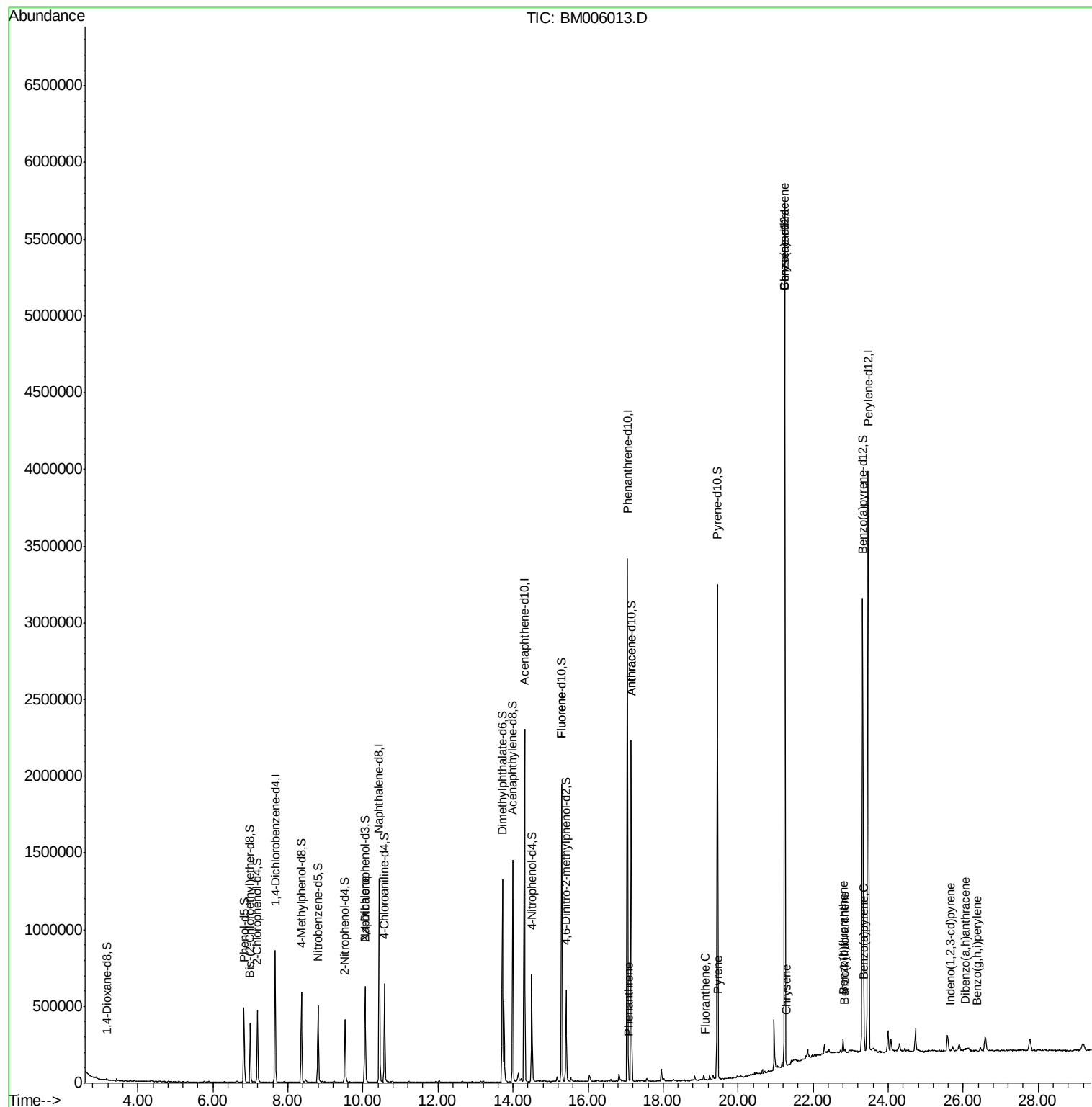
						Qvalue
11) Naphthalene	10.06	128	931	0.02	ng/ul#	1
22) Fluorene	15.30	166	1893	0.03	ng/ul#	6
25) Phenanthrene	17.10	178	757	0.01	ng/ul#	60
27) Anthracene	17.16	178	347	0.00	ng/ul#	1
28) Fluoranthene	19.11	202	1169	0.01	ng/ul#	75
31) Pyrene	19.47	202	1268	0.01	ng/ul#	60
32) Benzo(a)anthracene	21.24	228	8044	0.05	ng/ul#	68
33) Chrysene	21.28	228	1968	0.01	ng/ul#	89
35) Benzo(b)fluoranthene	22.80	252	2779	0.02	ng/ul#	5
36) Benzo(k)fluoranthene	22.85	252	407	0.00	ng/ul#	1
38) Benzo(a)pyrene	23.36	252	1508	0.01	ng/ul#	1
39) Indeno(1,2,3-cd)pyrene	25.67	276	1329	0.01	ng/ul#	57
40) Dibenzo(a,h)anthracene	26.04	278	111	0.00	ng/ul#	1
41) Benzo(g,h,i)perylene	26.37	276	160	0.00	ng/ul#	54

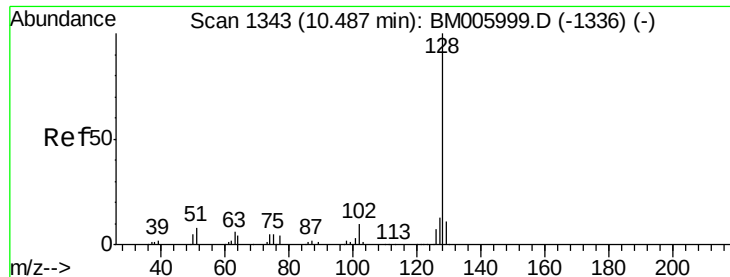
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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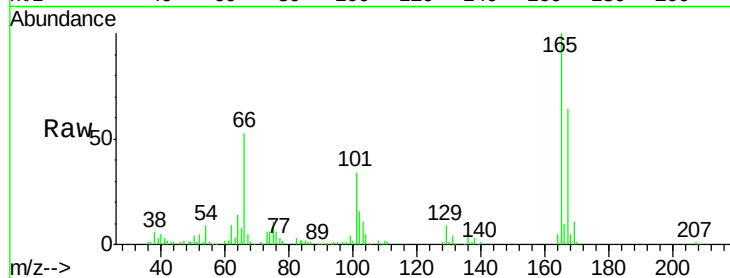




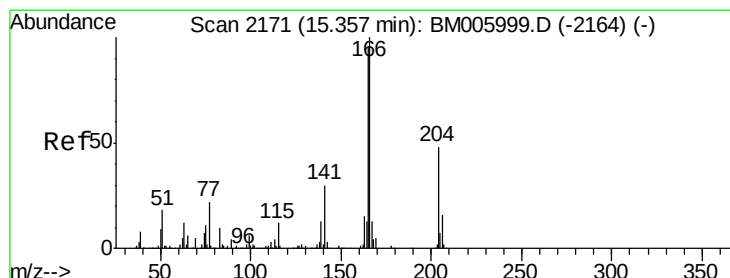
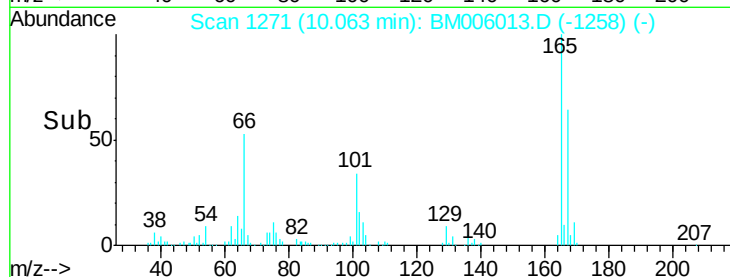
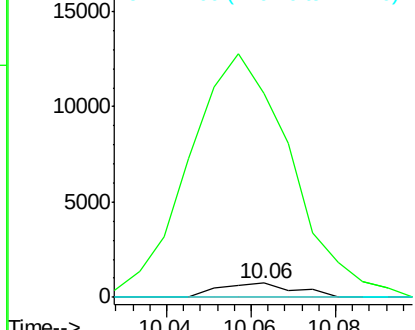
#11
Naphthalene
Concen: 0.02 ng/ul
RT: 10.06 min Scan# 1271
Delta R.T. -0.42 min
Lab File: BM006013.D
Acq: 25 Jun 2016 22:14

Instrument :
BNA_M
ClientSampleId :
D9Y82

Tgt Ion:128 Resp: 931
Ion Ratio Lower Upper
128 100
129 1418.6 8.6 13.0#
127 0.0 10.2 15.4#

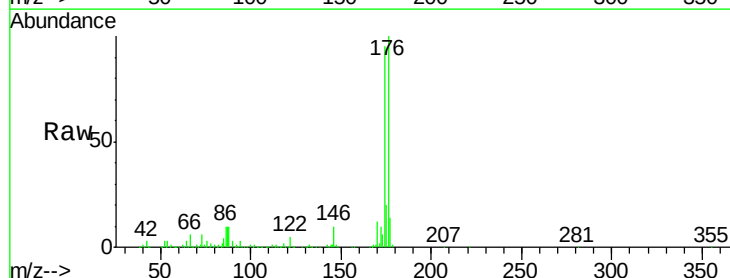


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

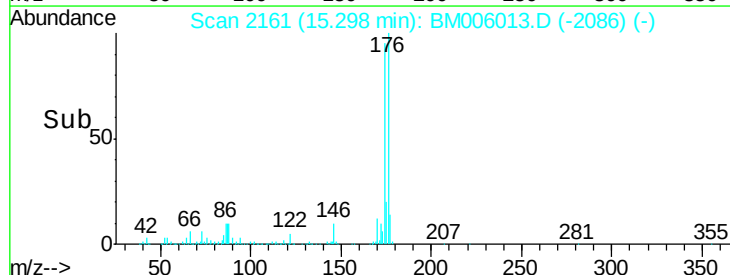
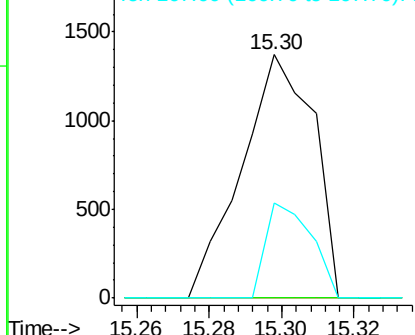


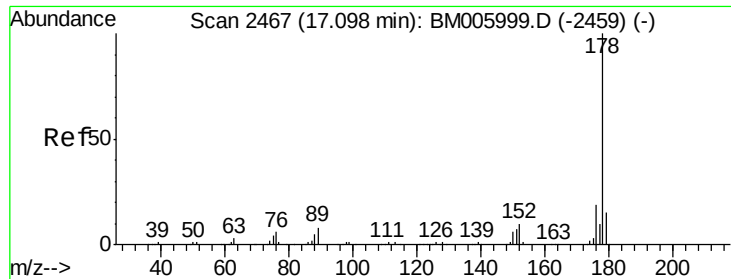
#22
Fluorene
Concen: 0.03 ng/ul
RT: 15.30 min Scan# 2161
Delta R.T. -0.06 min
Lab File: BM006013.D
Acq: 25 Jun 2016 22:14

Tgt Ion:166 Resp: 1893
Ion Ratio Lower Upper
166 100
165 0.0 76.8 115.2#
167 39.1 10.8 16.2#



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: 0.01 ng/ul

RT: 17.10 min Scan# 2467

Delta R.T. -0.00 min

Lab File: BM006013.D

Acq: 25 Jun 2016 22:14

Instrument :

BNA_M

ClientSampleId :

D9Y82

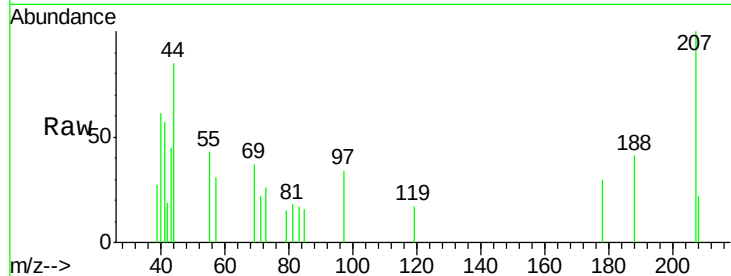
Tgt Ion:178 Resp: 757

Ion Ratio Lower Upper

178 100

179 0.0 12.1 18.1#

176 0.0 15.4 23.0#

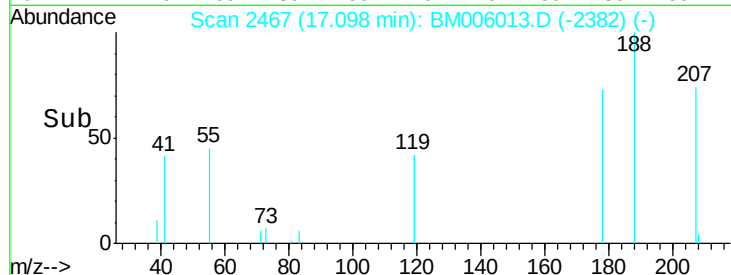


Abundance Ion 178.00 (177.70 to 178.70): E

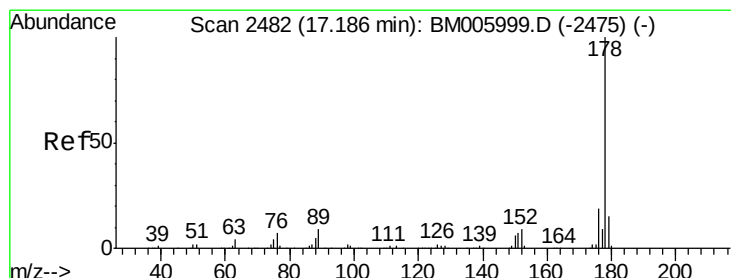
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

Time-->



Time-->



#27

Anthracene

Concen: 0.00 ng/ul

RT: 17.16 min Scan# 2477

Delta R.T. -0.03 min

Lab File: BM006013.D

Acq: 25 Jun 2016 22:14

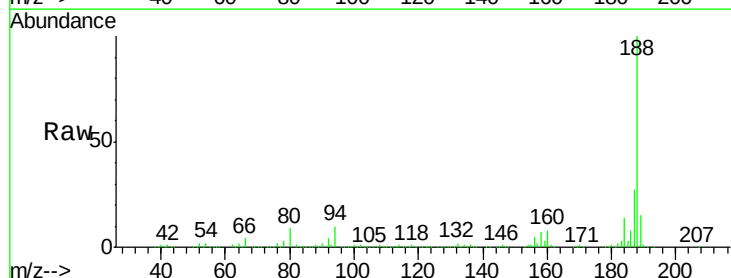
Tgt Ion:178 Resp: 347

Ion Ratio Lower Upper

178 100

179 177.6 12.2 18.4#

176 0.0 14.9 22.3#

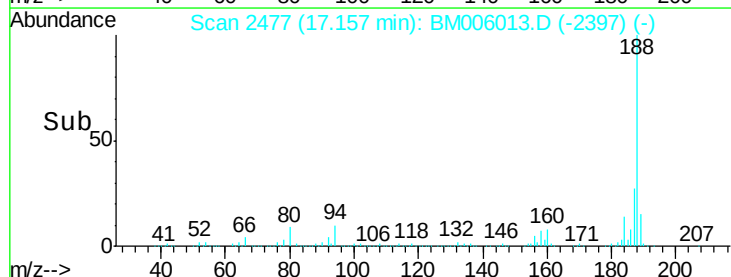


Abundance Ion 178.00 (177.70 to 178.70): E

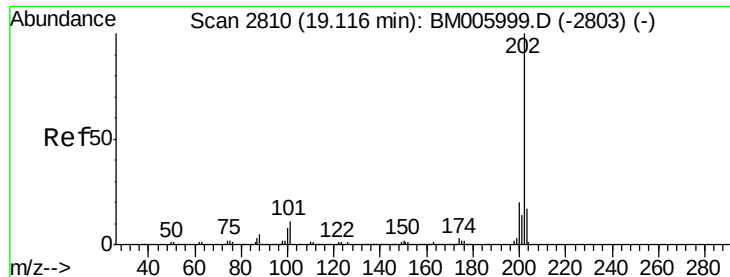
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

Time-->



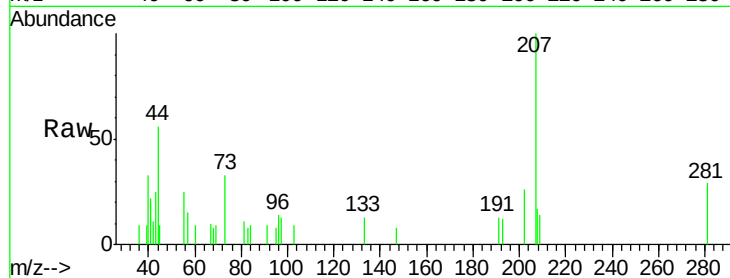
Time-->



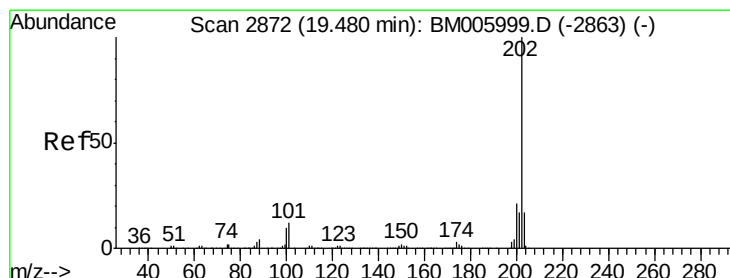
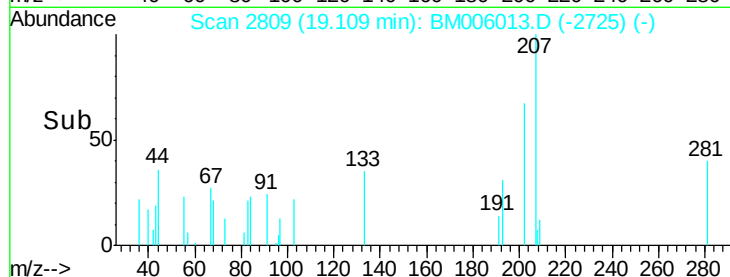
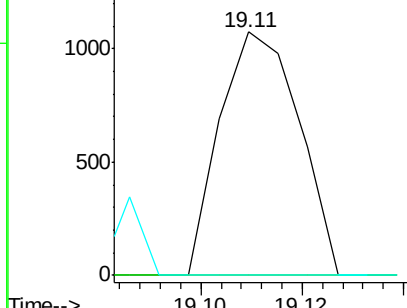
#28
 Fluoranthene
 Concen: 0.01 ng/ul
 RT: 19.11 min Scan# 2809
 Delta R.T. -0.01 min
 Lab File: BM006013.D
 Acq: 25 Jun 2016 22:14

Instrument :
 BNA_M
 ClientSampleId :
 D9Y82

Tgt Ion	Ratio	Lower	Upper
202	100		
101	0.0	8.2	12.4#
100	0.0	6.3	9.5#

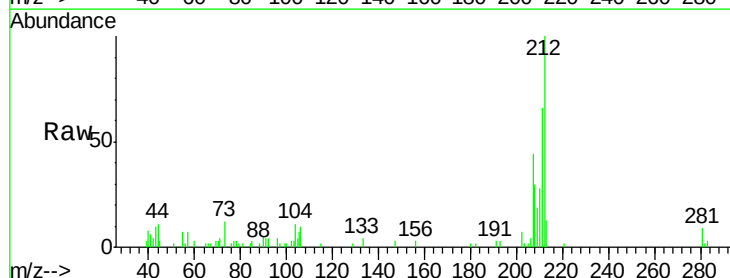


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

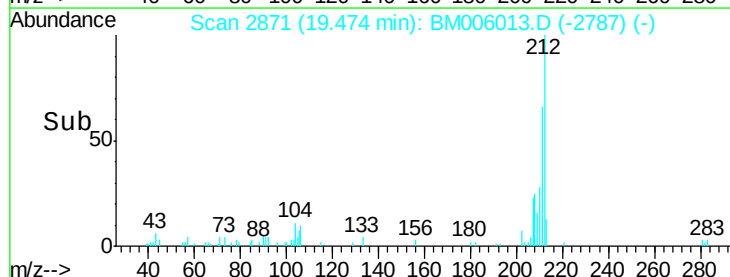
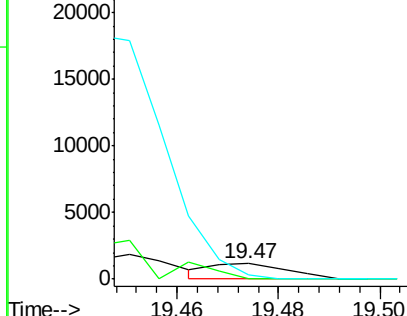


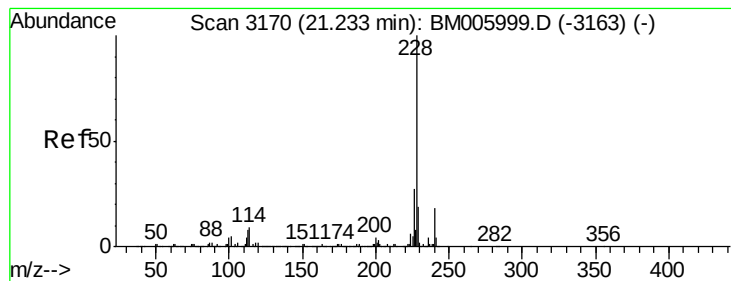
#31
 Pyrene
 Concen: 0.01 ng/ul
 RT: 19.47 min Scan# 2871
 Delta R.T. -0.01 min
 Lab File: BM006013.D
 Acq: 25 Jun 2016 22:14

Tgt Ion	Ratio	Lower	Upper
202	100		
101	0.0	9.8	14.6#
100	28.9	8.2	12.2#



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





#32

Benzo(a)anthracene

Concen: 0.05 ng/ul

RT: 21.24 min Scan# 3172

Delta R.T. 0.01 min

Lab File: BM006013.D

Acq: 25 Jun 2016 22:14

Instrument :

BNA_M

ClientSampleId :

D9Y82

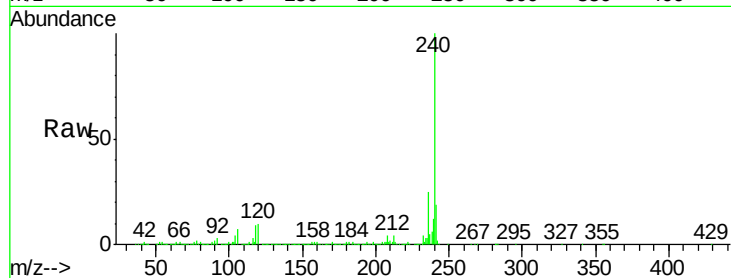
Tgt Ion:228 Resp: 8044

Ion Ratio Lower Upper

228 100

229 34.0 15.8 23.6#

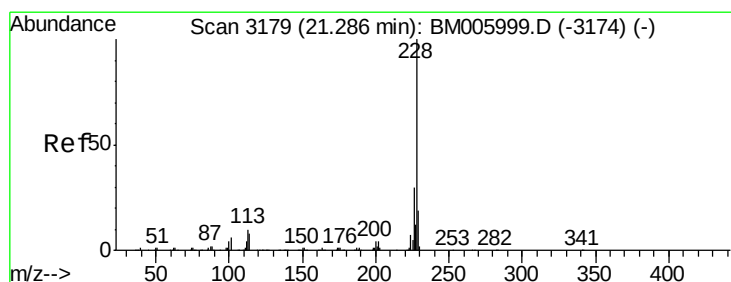
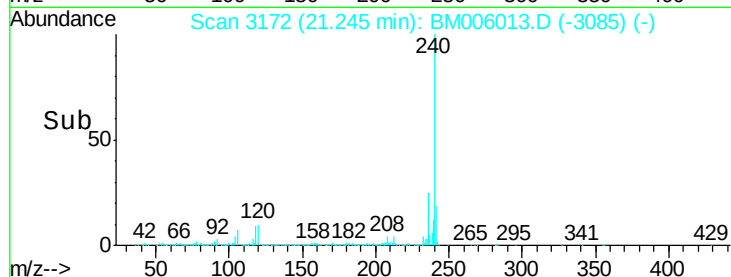
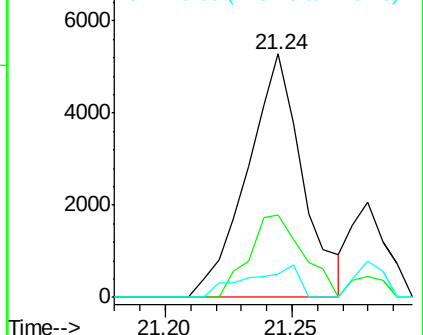
226 9.9 21.5 32.3#



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: 0.01 ng/ul

RT: 21.28 min Scan# 3178

Delta R.T. -0.01 min

Lab File: BM006013.D

Acq: 25 Jun 2016 22:14

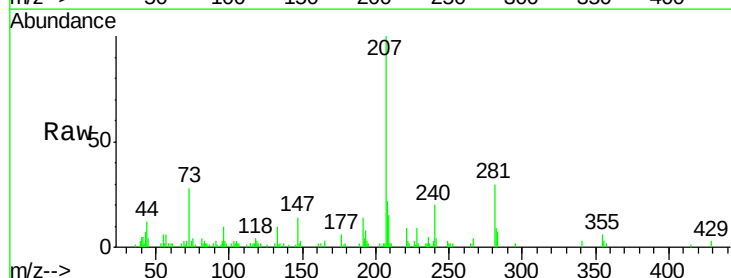
Tgt Ion:228 Resp: 1968

Ion Ratio Lower Upper

228 100

226 37.5 24.3 36.5#

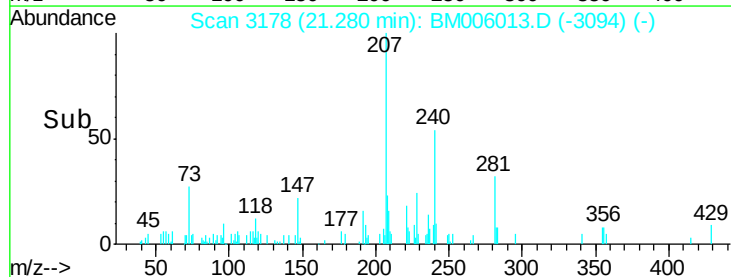
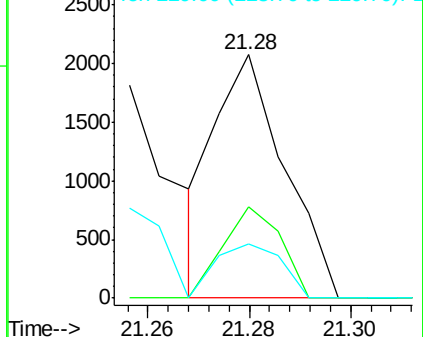
229 22.3 15.4 23.2

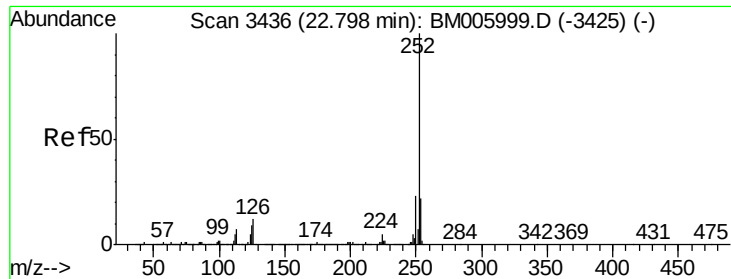


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 0.02 ng/ul

RT: 22.80 min Scan# 3436

Delta R.T. -0.00 min

Lab File: BM006013.D

Acq: 25 Jun 2016 22:14

Instrument :

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D9Y82

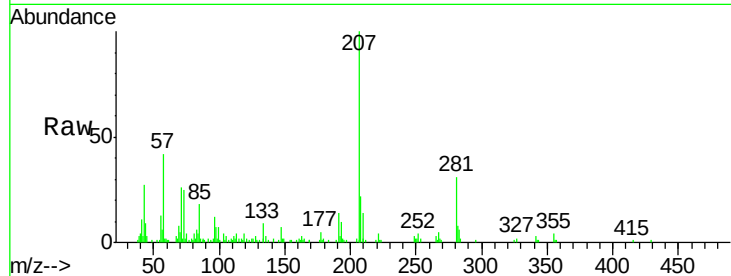
Tgt Ion:252 Resp: 2779

Ion Ratio Lower Upper

252 100

253 51.3 17.2 25.8#

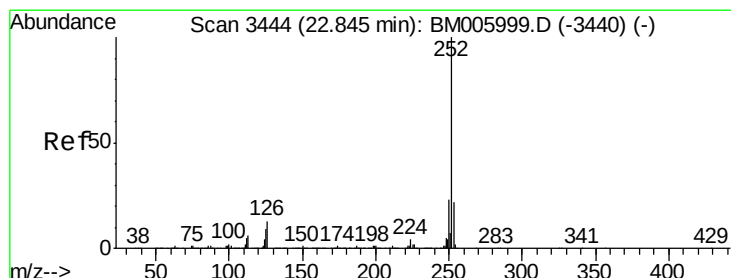
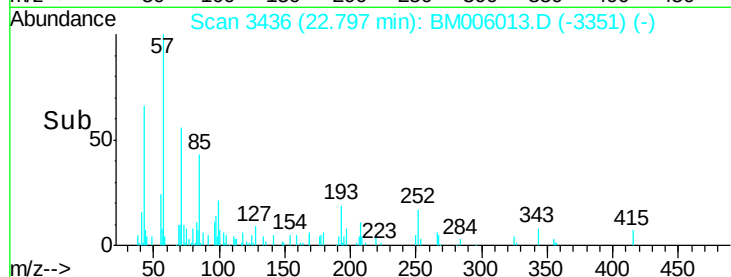
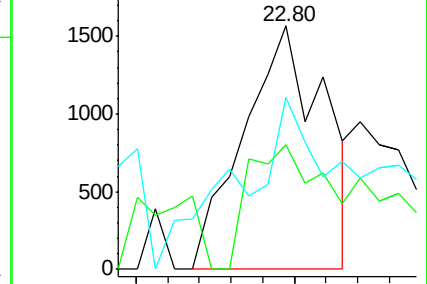
125 70.7 6.8 10.2#



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



#36

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 22.85 min Scan# 3445

Delta R.T. 0.01 min

Lab File: BM006013.D

Acq: 25 Jun 2016 22:14

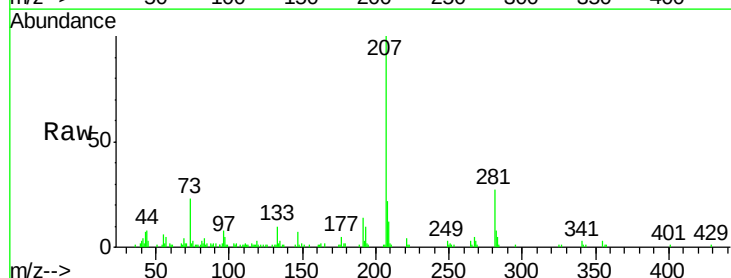
Tgt Ion:252 Resp: 407

Ion Ratio Lower Upper

252 100

253 77.1 17.3 25.9#

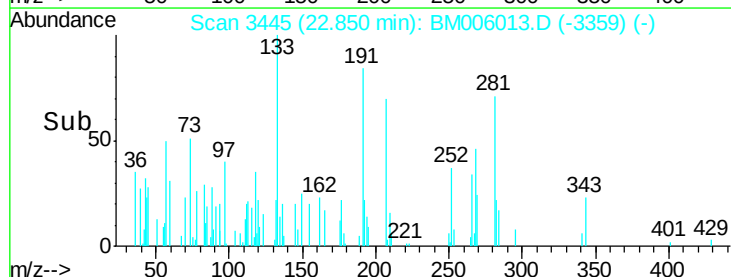
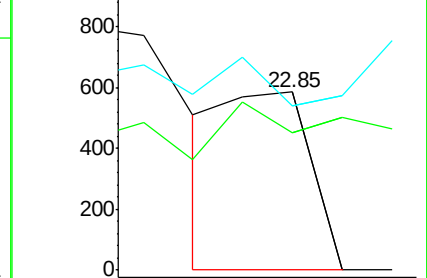
125 92.3 7.0 10.4#

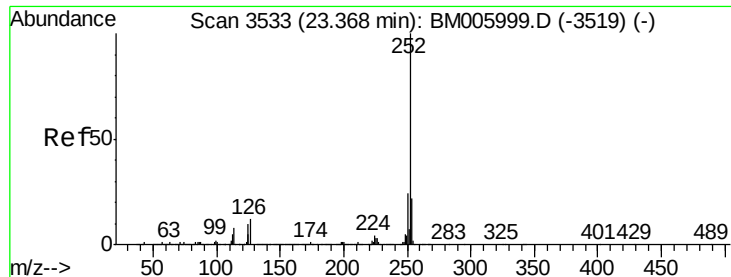


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 0.01 ng/ul

RT: 23.36 min Scan# 3532

Delta R.T. -0.01 min

Lab File: BM006013.D

Acq: 25 Jun 2016 22:14

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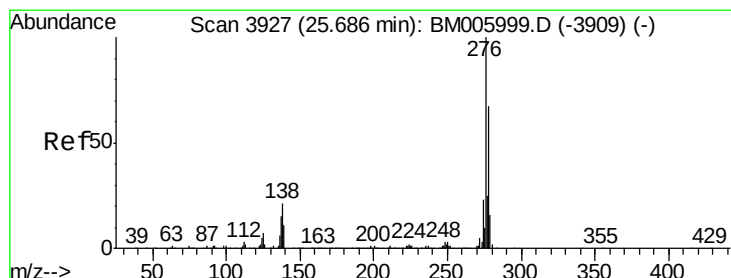
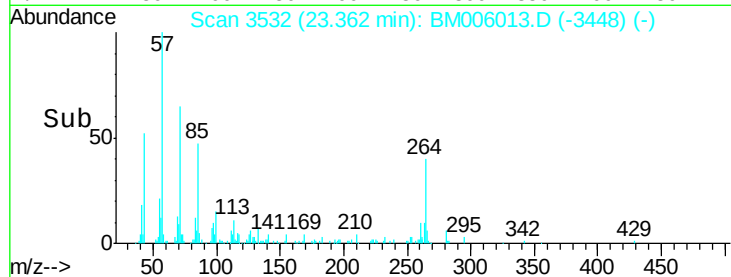
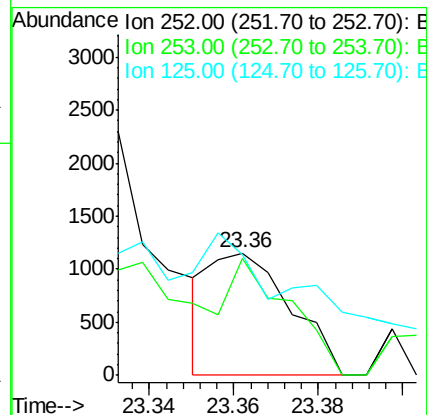
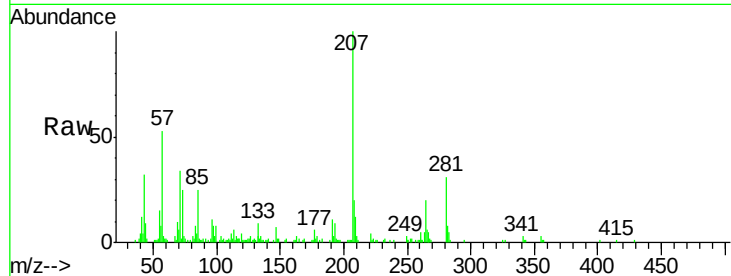
Tgt Ion:252 Resp: 1508

Ion Ratio Lower Upper

252 100

253 95.1 17.6 26.4#

125 99.0 7.8 11.6#



#39

Indeno(1,2,3-cd)pyrene

Concen: 0.01 ng/ul

RT: 25.67 min Scan# 3924

Delta R.T. -0.02 min

Lab File: BM006013.D

Acq: 25 Jun 2016 22:14

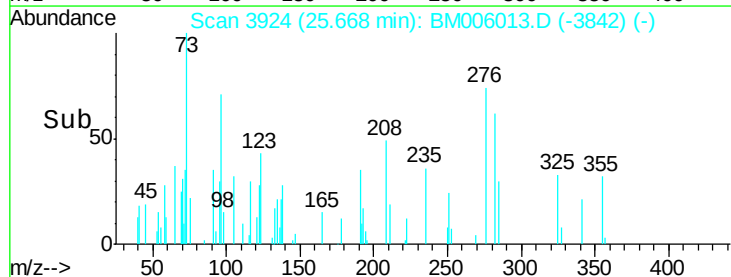
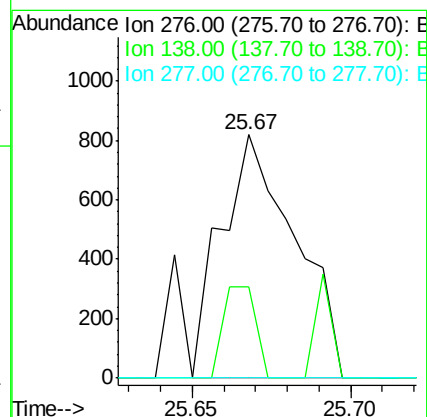
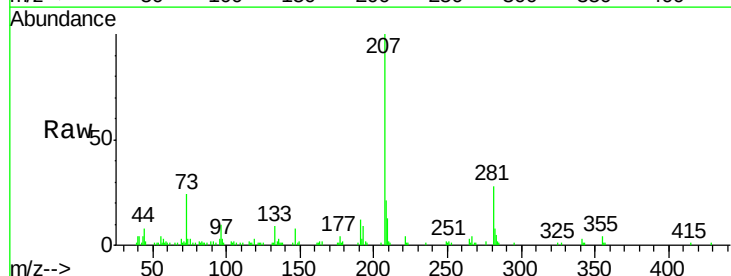
Tgt Ion:276 Resp: 1329

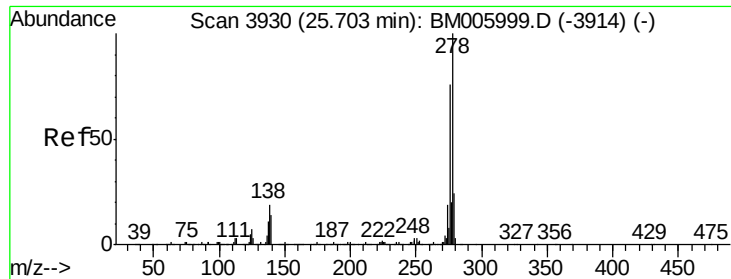
Ion Ratio Lower Upper

276 100

138 37.7 16.6 25.0#

277 0.0 19.6 29.4#





#40

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 26.04 min Scan# 3987

Delta R.T. 0.33 min

Lab File: BM006013.D

Acq: 25 Jun 2016 22:14

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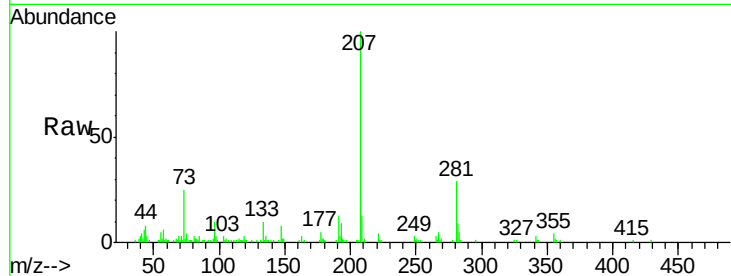
Tgt Ion:278 Resp: 111

Ion Ratio Lower Upper

278 100

139 97.8 11.4 17.2#

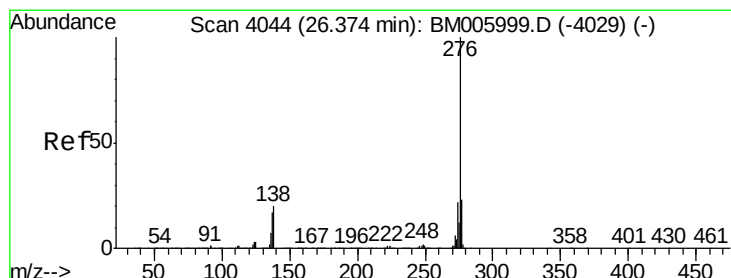
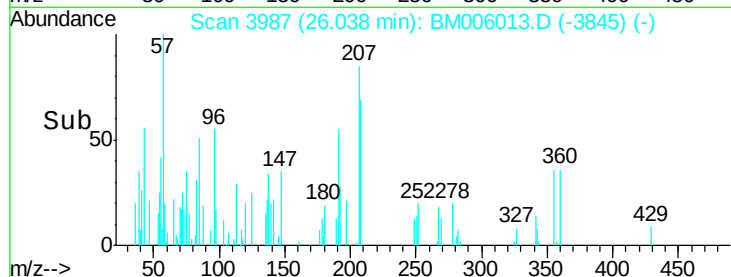
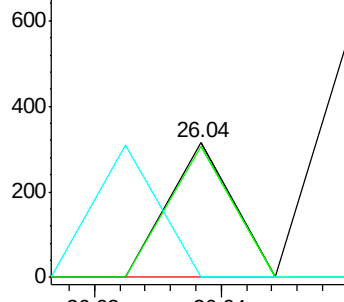
279 0.0 18.8 28.2#



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: 0.00 ng/ul

RT: 26.37 min Scan# 4043

Delta R.T. -0.01 min

Lab File: BM006013.D

Acq: 25 Jun 2016 22:14

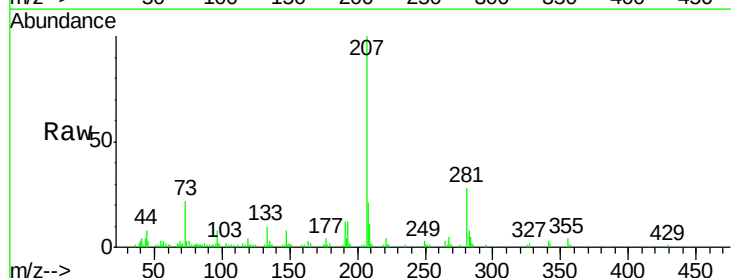
Tgt Ion:276 Resp: 160

Ion Ratio Lower Upper

276 100

138 0.0 15.9 23.9#

277 0.0 19.2 28.8#



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

