

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062716\
 Data File : BM006080.D
 Acq On : 27 Jun 2016 21:21
 Operator : UM/SJ
 Sample : H3670-22DL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YA4DL

Manual Integrations
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 6/28/2016 2:34:37 PM

Quant Time: Jun 28 03:54:16 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 28 02:11:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	158880	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	880520	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.31	164	596872	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.06	188	1525859	20.00	ng/ul	0.00
29) Chrysene-d12	21.25	240	1689254	20.00	ng/ul	0.00
34) Perylene-d12	23.47	264	1520983	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	950	0.27	ng/uL	0.00
3) Phenol-d5	6.83	99	32158	1.92	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.00	67	19481	2.10	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	24975	2.15	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	22983	1.63	ng/ul	0.00
8) Nitrobenzene-d5	8.82	128	13597m	2.03	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	13087	1.75	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	31035	2.17	ng/ul	0.00
12) 4-Chloroaniline-d4	10.58	131	24160m	1.56	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	106570	2.09	ng/ul	0.00
17) Acenaphthylene-d8	14.00	160	142489	2.40	ng/ul	0.00
20) 4-Nitrophenol-d4	14.52	143	9375	0.86	ng/ul	-0.01
21) Fluorene-d10	15.30	176	110711	2.54	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.43	200	2609	0.31	ng/ul	0.00
26) Anthracene-d10	17.16	188	183427	2.62	ng/ul	0.00
30) Pyrene-d10	19.46	212	217052	2.93	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.33	264	175724	2.56	ng/ul	-0.01

Target Compounds

						Qvalue
19) Acenaphthene	14.37	153	99255	2.50	ng/ul	98
22) Fluorene	15.36	166	114296	2.39	ng/ul	99
25) Phenanthrene	17.10	178	2382830	29.03	ng/ul	100
27) Anthracene	17.19	178	504923	5.96	ng/ul	100
28) Fluoranthene	19.12	202	3562036	33.88	ng/ul	98
31) Pyrene	19.49	202	3112391	32.18	ng/ul	96
32) Benzo(a)anthracene	21.24	228	1281973	12.78	ng/ul	99
33) Chrysene	21.29	228	1234830	13.47	ng/ul	97
35) Benzo(b)fluoranthene	22.81	252	1546431	17.50	ng/ul	98
36) Benzo(k)fluoranthene	22.84	252	434461m	5.29	ng/ul	
38) Benzo(a)pyrene	23.37	252	1003284	11.84	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.69	276	728946m	7.22	ng/ul	
40) Dibenzo(a,h)anthracene	25.70	278	155446m	1.85	ng/ul	
41) Benzo(g,h,i)perylene	26.37	276	748771	8.57	ng/ul	98

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

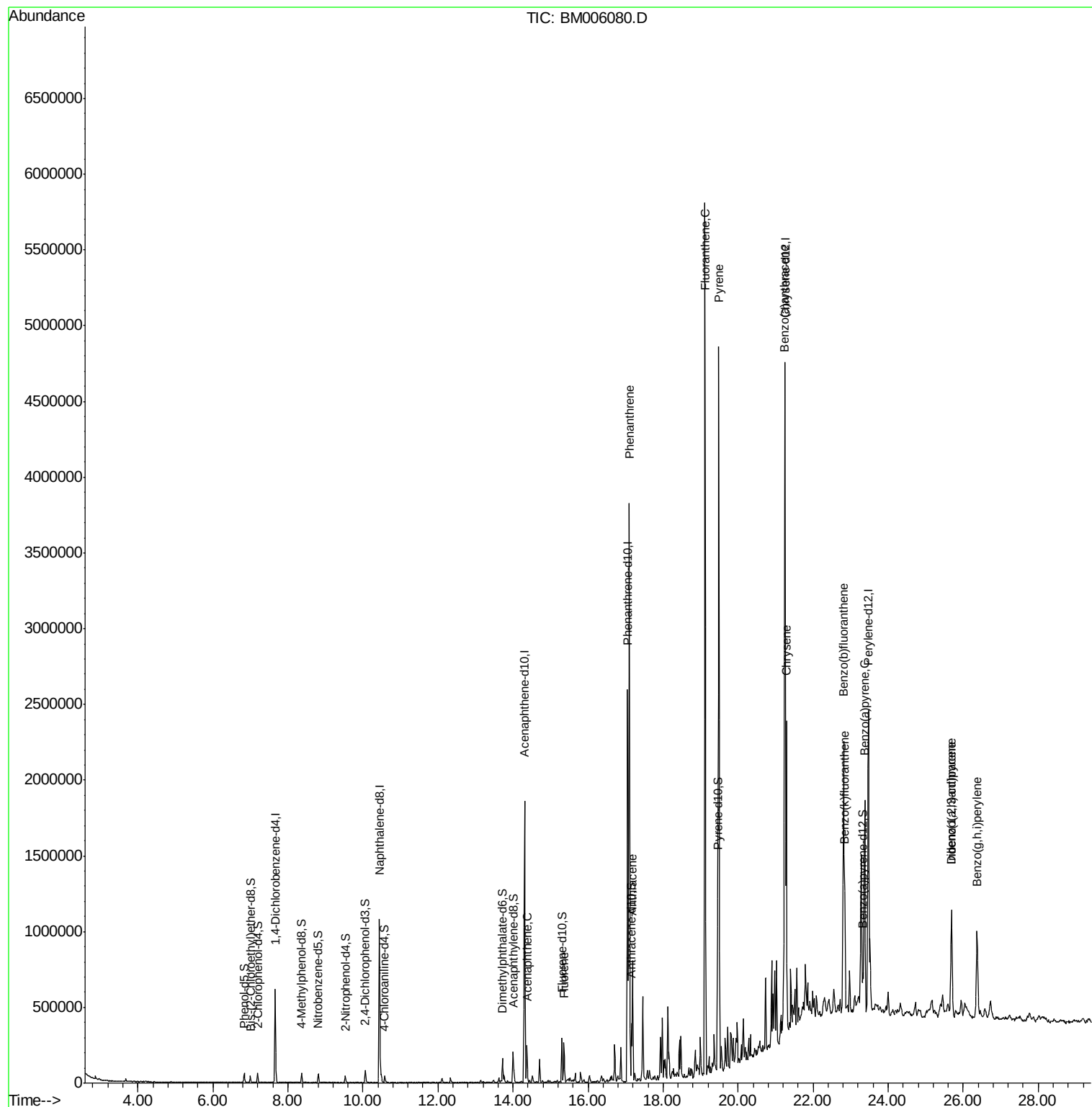
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062716\
Data File : BM006080.D
Acq On : 27 Jun 2016 21:21
Operator : UM/SJ
Sample : H3670-22DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

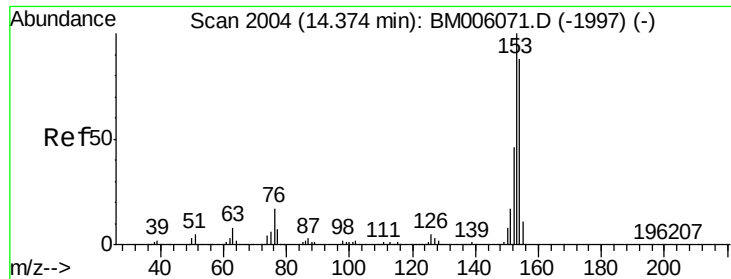
Instrument :
BNA_M
ClientSampleId :
D9YA4DL

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Quant Time: Jun 28 03:54:16 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 28 02:11:41 2016
Response via : Initial Calibration





#19

Acenaphthene

Concen: 2.50 ng/ul

RT: 14.37 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BM006080.D

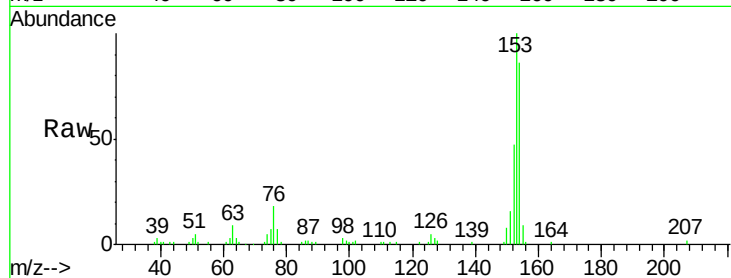
Acq: 27 Jun 2016 21:21

Instrument :

BNA_M

ClientSampleId :

D9YA4DL



Tgt Ion:153 Resp: 99255

Ion Ratio Lower Upper

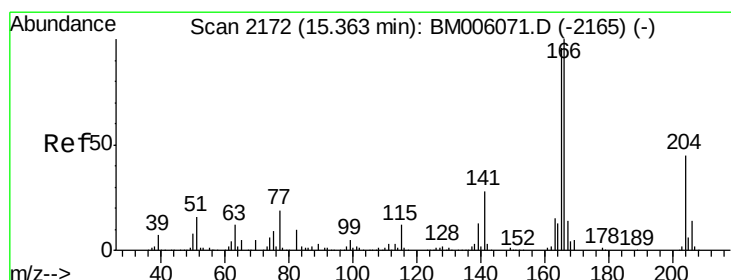
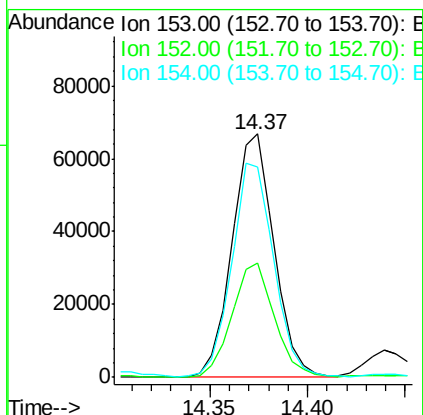
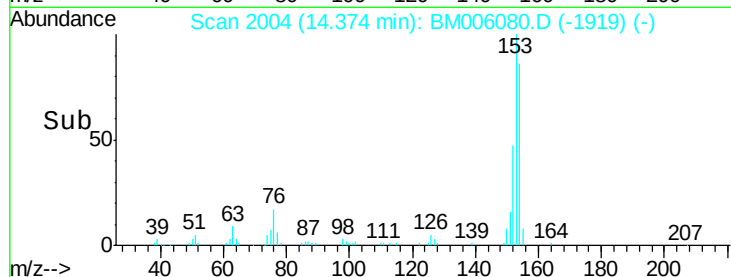
153 100

152 47.2 38.1 57.1

154 86.3 71.6 107.4

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#22

Fluorene

Concen: 2.39 ng/ul

RT: 15.36 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BM006080.D

Acq: 27 Jun 2016 21:21

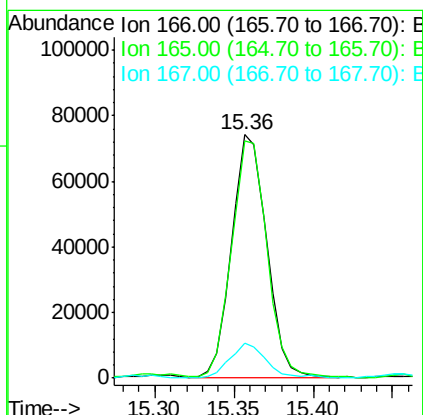
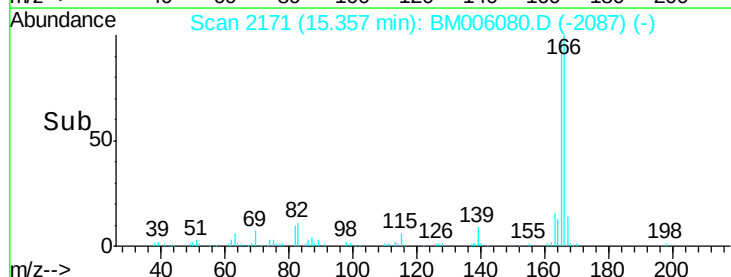
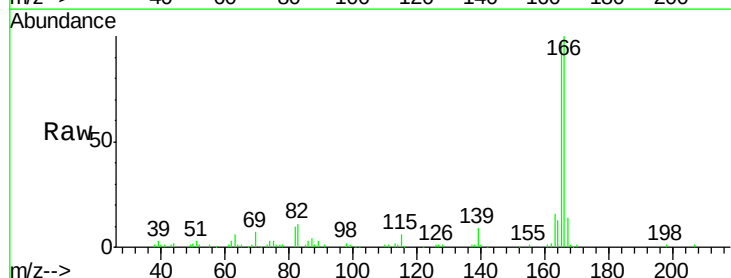
Tgt Ion:166 Resp: 114296

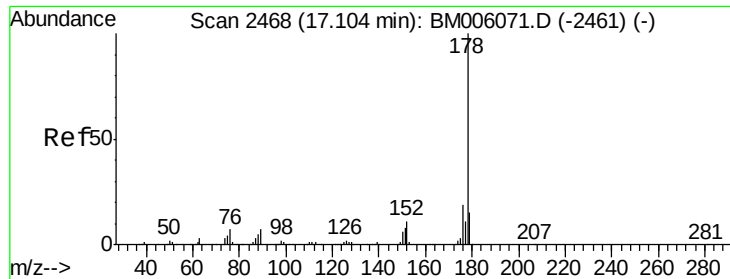
Ion Ratio Lower Upper

166 100

165 97.3 78.4 117.6

167 14.4 10.6 16.0





#25

Phenanthrene

Concen: 29.03 ng/ul

RT: 17.10 min Scan# 2467

Delta R.T. -0.01 min

Lab File: BM006080.D

Acq: 27 Jun 2016 21:21

Instrument :

BNA_M

ClientSampleId :

D9YA4DL

Tgt Ion:178 Resp: 2382830

Ion Ratio Lower Upper

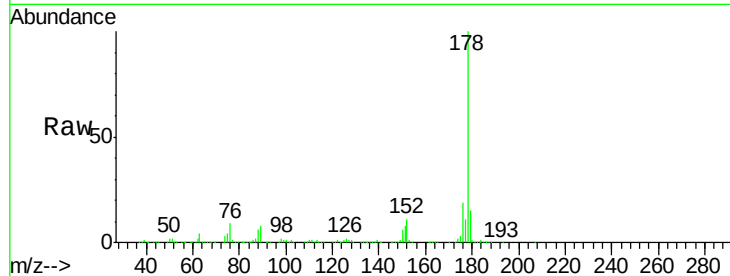
178 100

179 15.1 12.2 18.2

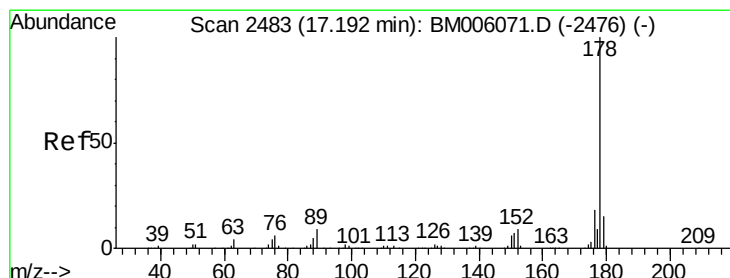
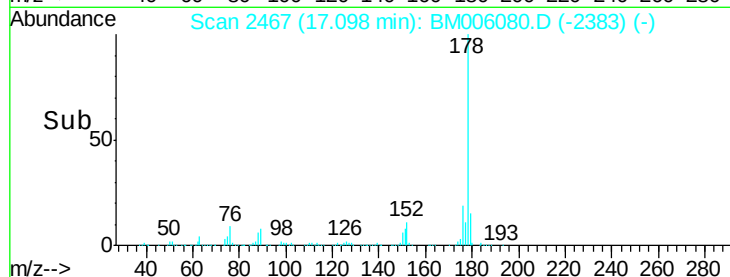
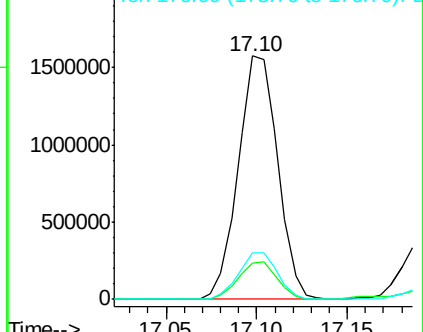
176 19.2 15.3 22.9

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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: 5.96 ng/ul

RT: 17.19 min Scan# 2483

Delta R.T. 0.00 min

Lab File: BM006080.D

Acq: 27 Jun 2016 21:21

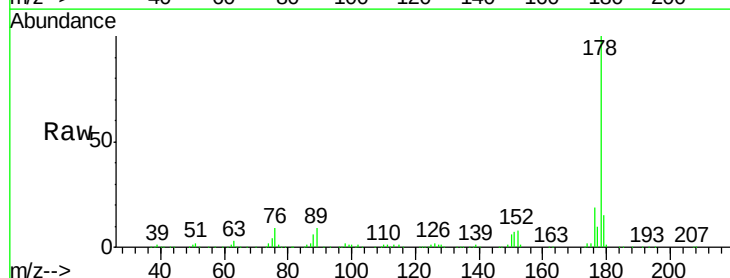
Tgt Ion:178 Resp: 504923

Ion Ratio Lower Upper

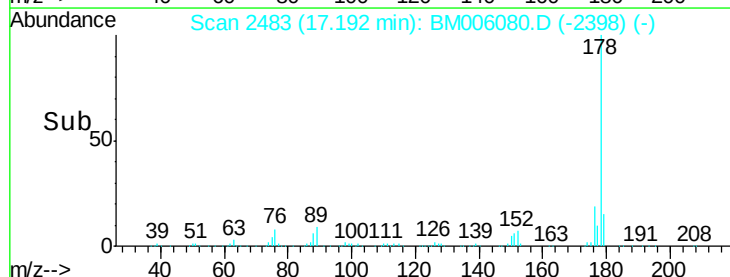
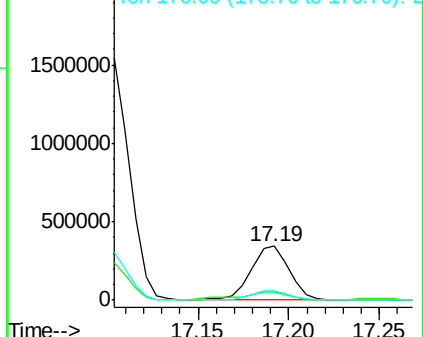
178 100

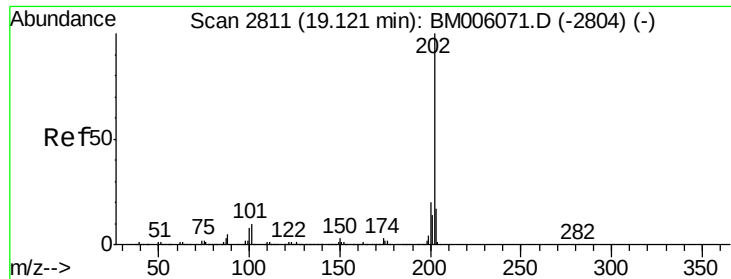
179 15.3 12.3 18.5

176 18.6 14.6 22.0



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





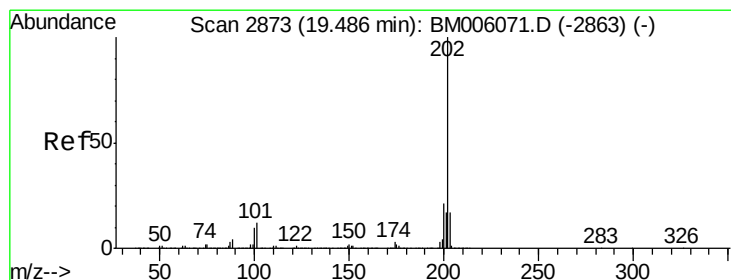
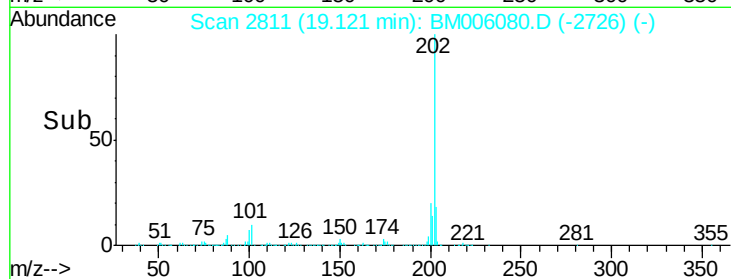
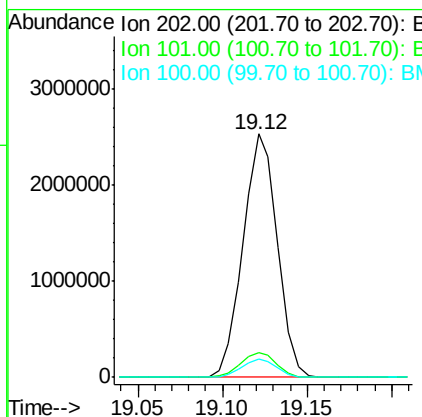
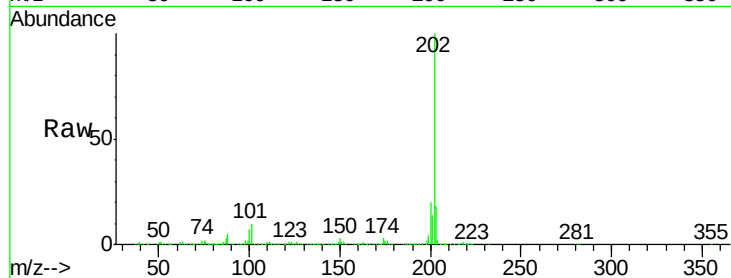
#28
Fluoranthene
 Concen: 33.88 ng/ul
 RT: 19.12 min Scan# 2811
 Delta R.T. 0.00 min
 Lab File: BM006080.D
 Acq: 27 Jun 2016 21:21

Instrument :
 BNA_M
 ClientSampleId :
 D9YA4DL

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.2	8.5	12.7
100	7.4	6.5	9.7

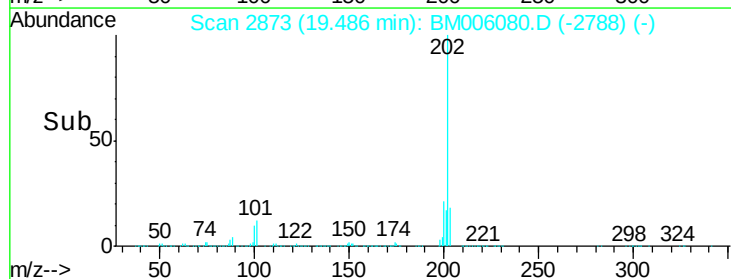
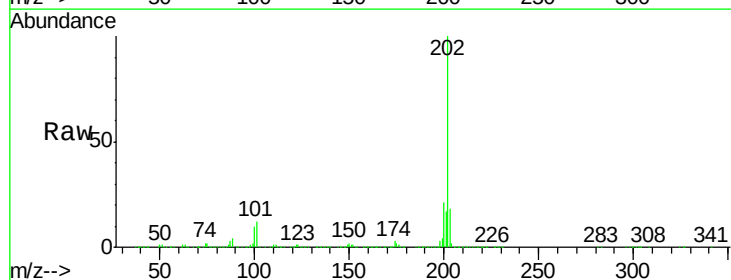
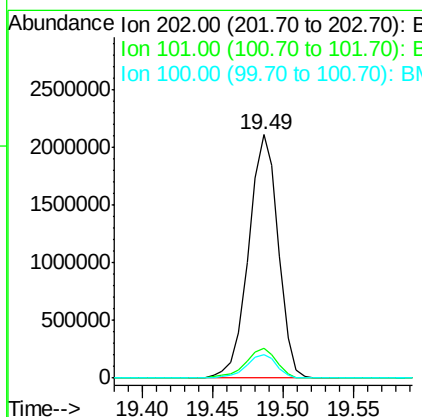
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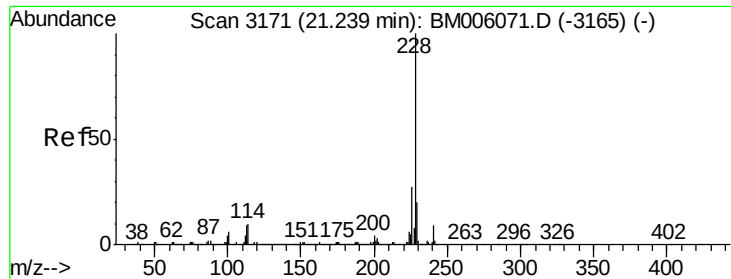
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#31
Pyrene
 Concen: 32.18 ng/ul
 RT: 19.49 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: BM006080.D
 Acq: 27 Jun 2016 21:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	11.0	16.4
100	9.6	8.9	13.3





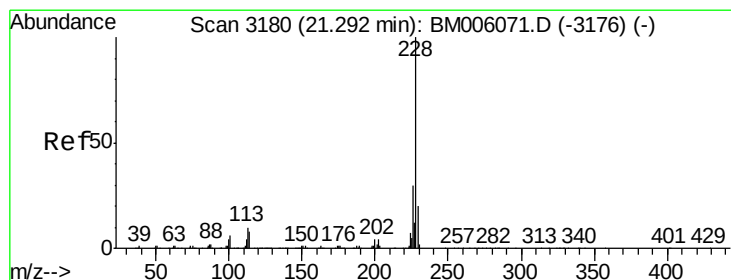
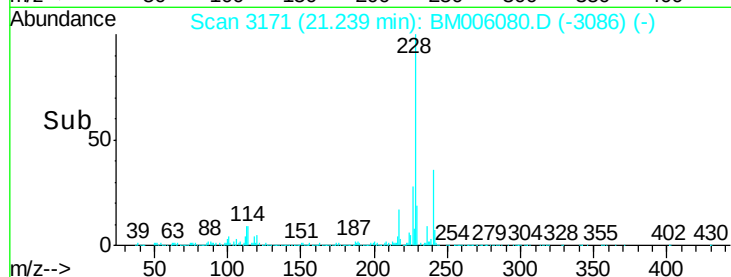
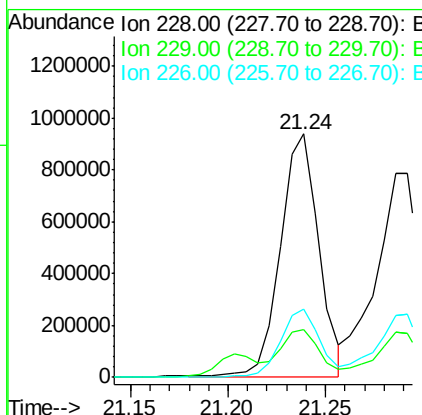
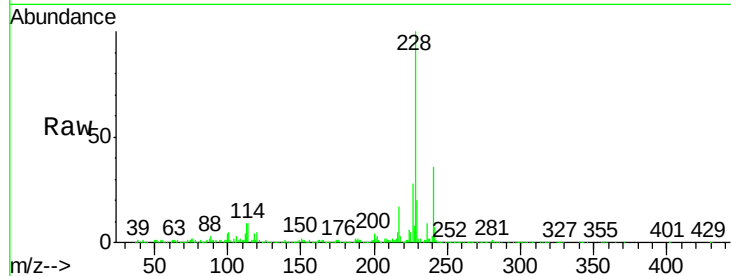
#32
Benzo(a)anthracene
Concen: 12.78 ng/ul
RT: 21.24 min Scan# 3171
Delta R.T. 0.00 min
Lab File: BM006080.D
Acq: 27 Jun 2016 21:21

Instrument :
BNA_M
ClientSampleId :
D9YA4DL

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.6	23.4
226	28.1	21.6	32.4

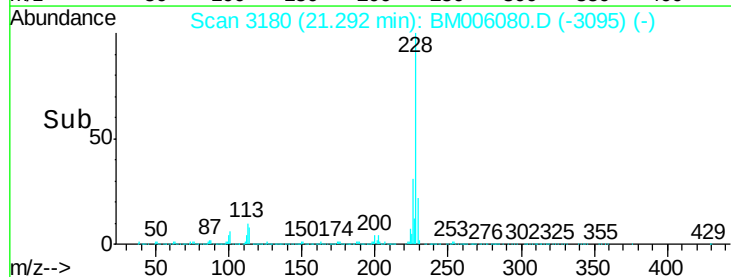
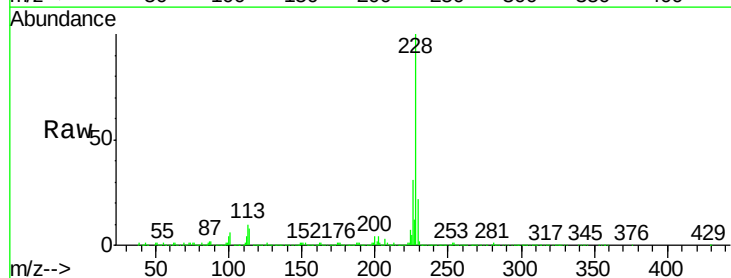
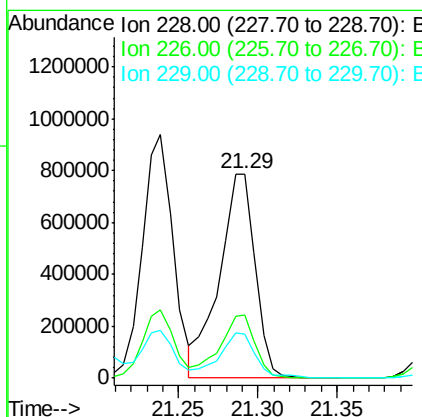
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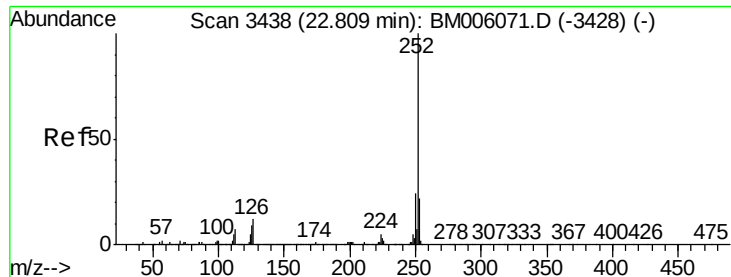
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#33
Chrysene
Concen: 13.47 ng/ul
RT: 21.29 min Scan# 3180
Delta R.T. 0.00 min
Lab File: BM006080.D
Acq: 27 Jun 2016 21:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.8	35.6
229	21.7	15.8	23.6





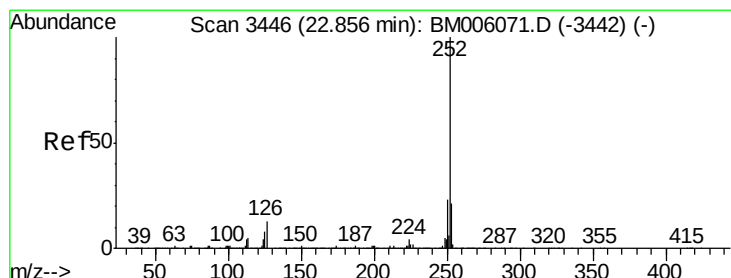
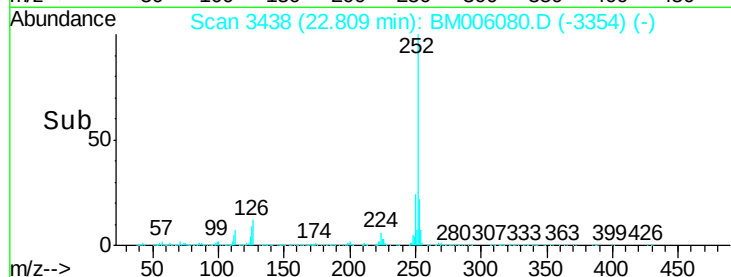
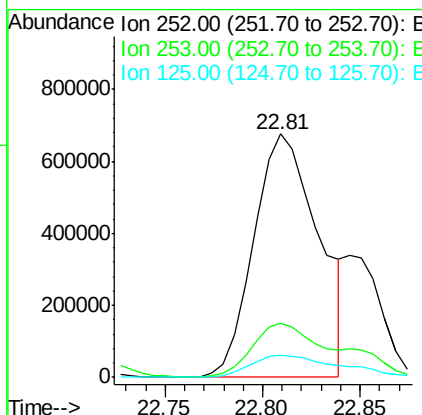
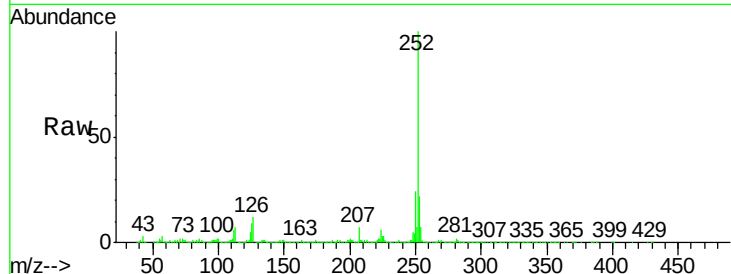
#35
Benzo(b)fluoranthene
Concen: 17.50 ng/ul
RT: 22.81 min Scan# 3438
Delta R.T. -0.01 min
Lab File: BM006080.D
Acq: 27 Jun 2016 21:21

Instrument :
BNA_M
ClientSampleId :
D9YA4DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	9.3	7.8	11.6

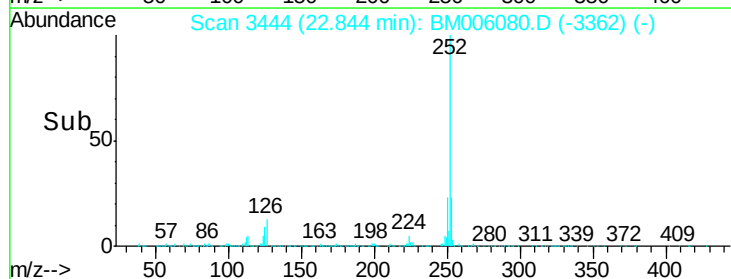
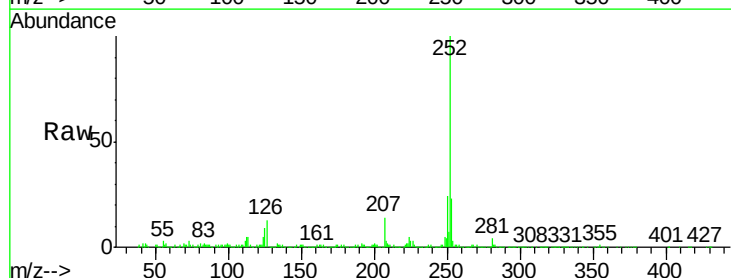
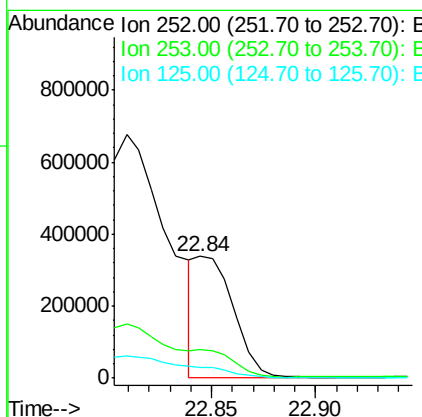
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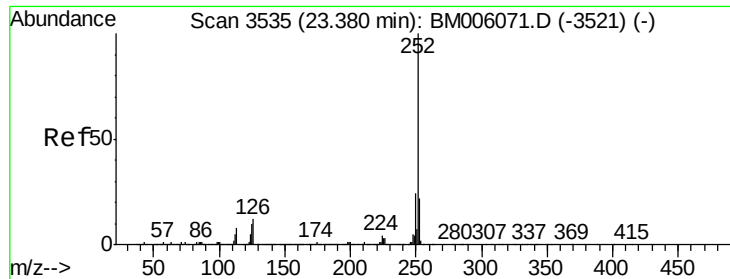
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#36
Benzo(k)fluoranthene
Concen: 5.29 ng/ul m
RT: 22.84 min Scan# 3444
Delta R.T. -0.02 min
Lab File: BM006080.D
Acq: 27 Jun 2016 21:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.6	26.4
125	9.2	8.1	12.1





#38

Benzo(a)pyrene

Concen: 11.84 ng/ul

RT: 23.37 min Scan# 3534

Delta R.T. -0.01 min

Lab File: BM006080.D

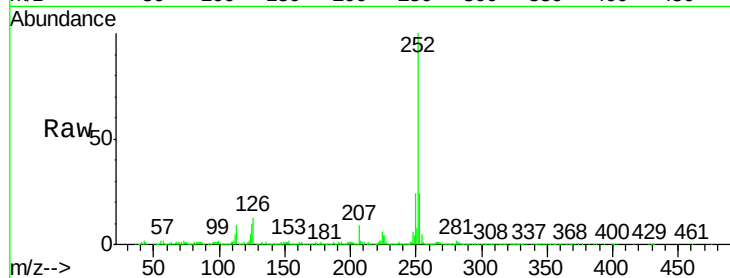
Acq: 27 Jun 2016 21:21

Instrument :

BNA_M

ClientSampleId :

D9YA4DL



Tgt Ion:252 Resp: 1003284

Ion Ratio Lower Upper

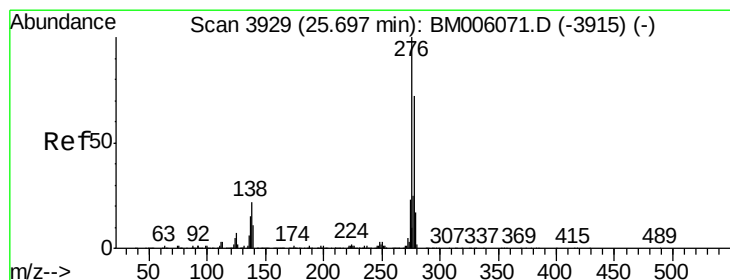
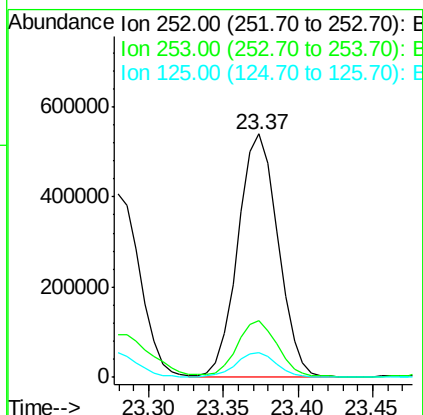
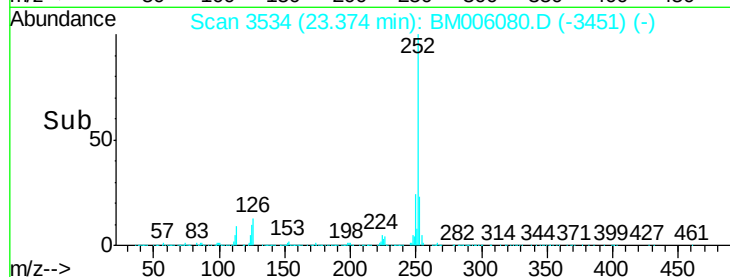
252 100

253 23.5 17.8 26.6

125 10.1 8.7 13.1

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#39

Indeno(1,2,3-cd)pyrene

Concen: 7.22 ng/ul m

RT: 25.69 min Scan# 3928

Delta R.T. -0.03 min

Lab File: BM006080.D

Acq: 27 Jun 2016 21:21

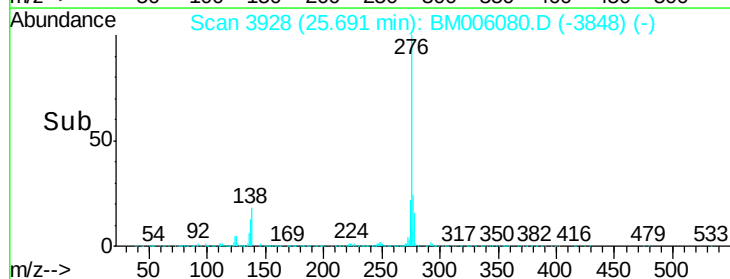
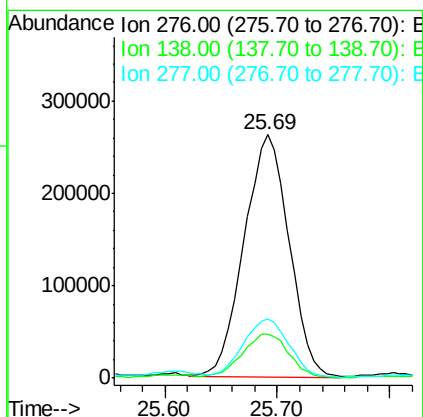
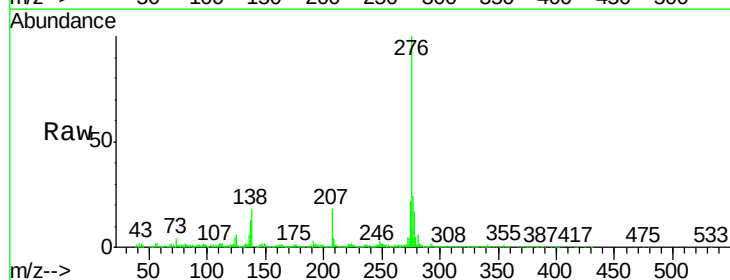
Tgt Ion:276 Resp: 728946

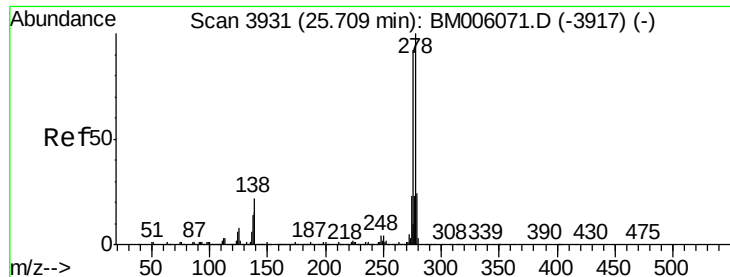
Ion Ratio Lower Upper

276 100

138 18.0 20.4 30.6#

277 24.5 20.6 30.8





#40

Dibenzo(a,h)anthracene

Concen: 1.85 ng/ul m

RT: 25.70 min Scan# 3929

Delta R.T. -0.03 min

Lab File: BM006080.D

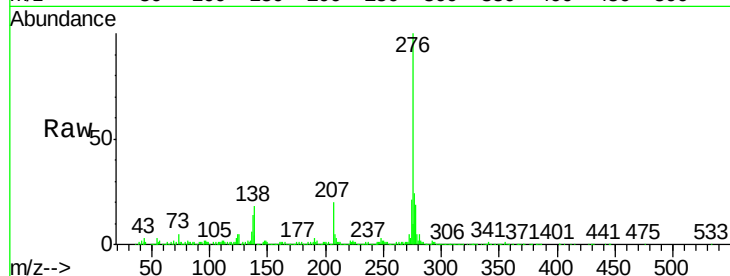
Acq: 27 Jun 2016 21:21

Instrument :

BNA_M

ClientSampleId :

D9YA4DL



Tgt Ion: 278 Resp: 155446

Ion Ratio Lower Upper

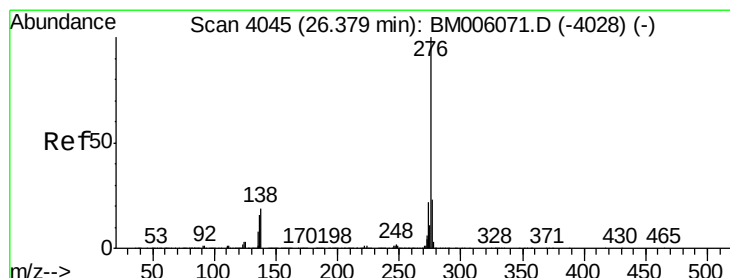
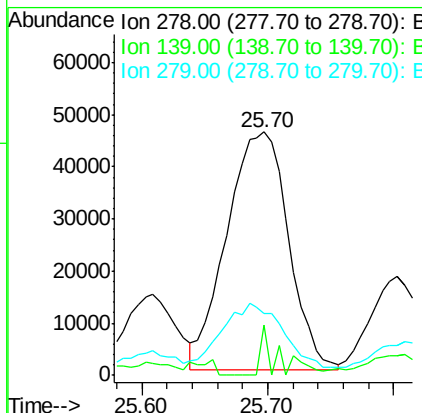
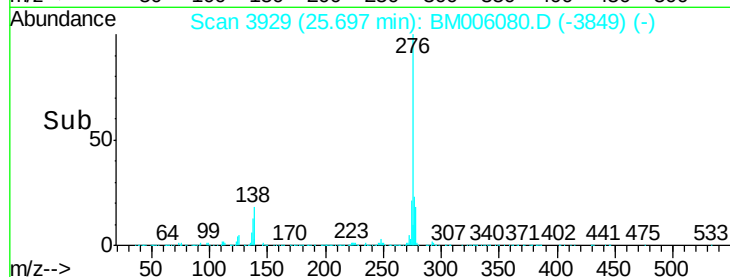
278 100

139 20.6 13.0 19.4#

279 25.6 18.8 28.2

Manual Integrations
APPROVED

umangi
6/28/2016 2:34:37 PM



#41

Benzo(g,h,i)perylene

Concen: 8.57 ng/ul

RT: 26.37 min Scan# 4044

Delta R.T. -0.02 min

Lab File: BM006080.D

Acq: 27 Jun 2016 21:21

Tgt Ion: 276 Resp: 748771

Ion Ratio Lower Upper

276 100

138 19.2 16.6 25.0

277 24.1 18.9 28.3

