

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060616\
 Data File : BM005686.D
 Acq On : 07 Jun 2016 01:11
 Operator : UM/SJ
 Sample : H3412-10 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9XS9

Quant Time: Jun 07 04:29:06 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM060216.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 07 04:25:20 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	115740	20.00	ng/ul	0.01
7) Naphthalene-d8	10.56	136	447653	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.41	164	197232	20.00	ng/ul	0.01
23) Phenanthrene-d10	17.16	188	382173	20.00	ng/ul	0.01
29) Chrysene-d12	21.34	240	385371	20.00	ng/ul	0.01
34) Perylene-d12	23.61	264	420053	20.00	ng/ul	0.02

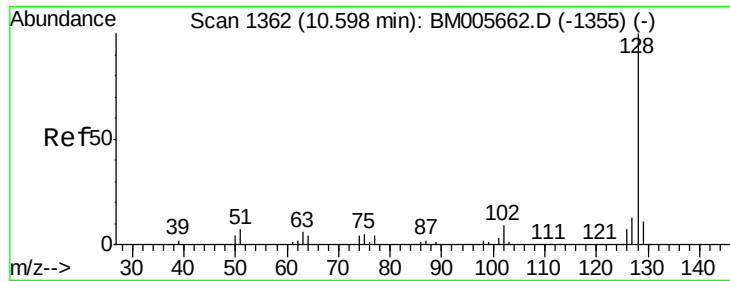
System Monitoring Compounds

2) 1,4-Dioxane-d8	3.22	96	1576	0.57	ng/uL	0.00
3) Phenol-d5	6.95	99	55199	5.43	ng/ul	0.02
4) Bis-(2-Chloroethyl)ether-d	7.10	67	42069	6.79	ng/ul	0.00
5) 2-Chlorophenol-d4	7.30	132	51876	6.18	ng/ul	0.01
6) 4-Methylphenol-d8	8.48	113	39157	4.87	ng/ul	0.00
8) Nitrobenzene-d5	8.92	128	23986	6.98	ng/ul	0.00
9) 2-Nitrophenol-d4	9.65	143	22400	6.09	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.19	165	39881	6.10	ng/ul	0.01
12) 4-Chloroaniline-d4	10.70	131	19005	2.45	ng/ul	0.02
16) Dimethylphthalate-d6	13.82	166	114285	7.54	ng/ul	0.00
17) Acenaphthylene-d8	14.10	160	146081	7.41	ng/ul	0.01
20) 4-Nitrophenol-d4	14.65	143	5591	2.58	ng/ul	0.03
21) Fluorene-d10	15.40	176	98126	7.53	ng/ul	0.01
24) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
26) Anthracene-d10	17.25	188	139287	7.67	ng/ul	0.00
30) Pyrene-d10	19.54	212	147208	7.60	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.46	264	147225	7.62	ng/ul	0.02

Target Compounds

						Qvalue
11) Naphthalene	10.60	128	100059	4.40	ng/ul	99
13) 2-Methylnaphthalene	12.22	142	24207	1.53	ng/ul	98
14) 1-Methylnaphthalene	12.44	142	19590	1.26	ng/ul#	89
18) Acenaphthylene	14.13	152	31660	1.55	ng/ul	96
19) Acenaphthene	14.47	153	75215	5.68	ng/ul	95
22) Fluorene	15.46	166	80459	5.61	ng/ul	96
25) Phenanthrene	17.20	178	1006342	47.70	ng/ul	98
27) Anthracene	17.29	178	223341	10.42	ng/ul	100
28) Fluoranthene	19.22	202	1445446	67.04	ng/ul	99
31) Pyrene	19.58	202	1139441	46.86	ng/ul	97
32) Benzo(a)anthracene	21.32	228	619948	27.43	ng/ul	97
33) Chrysene	21.37	228	554507	25.96	ng/ul	96
35) Benzo(b)fluoranthene	22.93	252	849289	33.53	ng/ul	99
36) Benzo(k)fluoranthene	22.93	252	849289	35.73	ng/ul	98
38) Benzo(a)pyrene	23.51	252	564256	23.14	ng/ul	96
39) Indeno(1,2,3-cd)pyrene	25.91	276	428019	14.84	ng/ul	95
40) Dibenzo(a,h)anthracene	25.91	278	111212	4.59	ng/ul#	82
41) Benzo(g,h,i)perylene	26.61	276	409832	16.93	ng/ul#	94

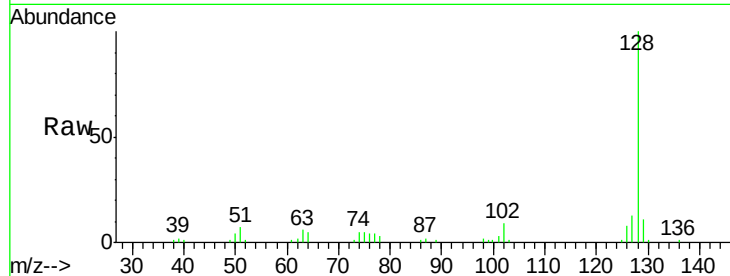
(#) = qualifier out of range (m) = manual integration (+) = signals summed



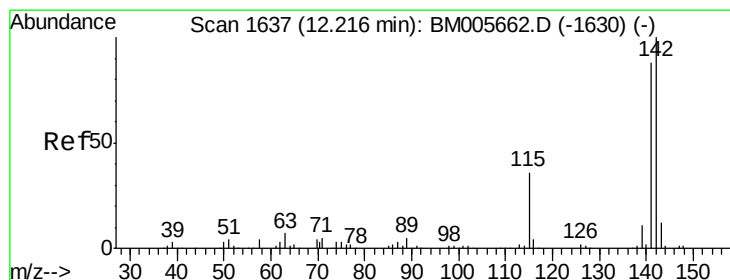
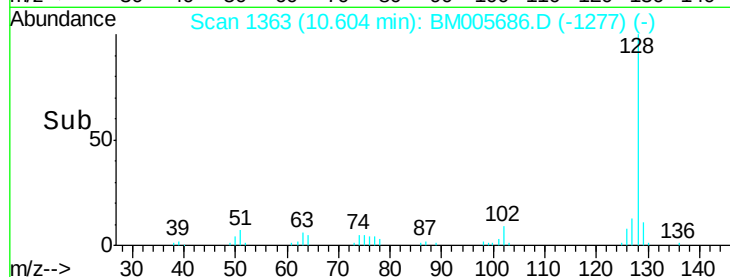
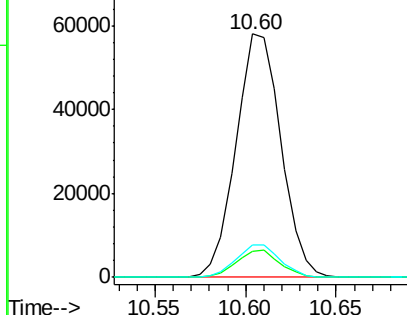
#11
Naphthalene
Concen: 4.40 ng/ul
RT: 10.60 min Scan# 1363
Delta R.T. 0.01 min
Lab File: BM005686.D
Acq: 07 Jun 2016 01:11

Instrument :
BNA_M
ClientSampleId :
D9XS9

Tgt Ion:128 Resp: 100059
Ion Ratio Lower Upper
128 100
129 10.8 8.3 12.5
127 13.4 10.8 16.2

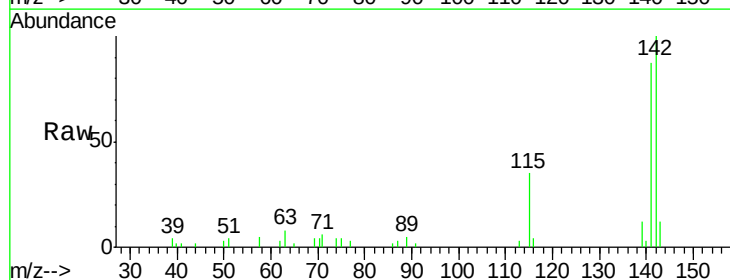


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

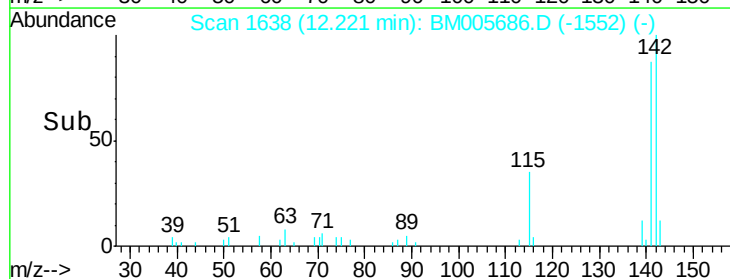
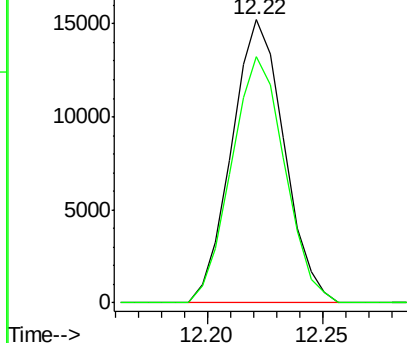


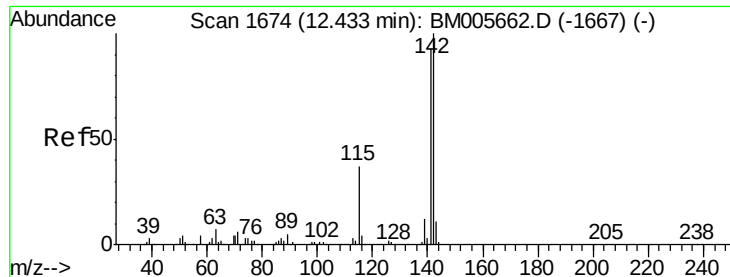
#13
2-Methylnaphthalene
Concen: 1.53 ng/ul
RT: 12.22 min Scan# 1638
Delta R.T. 0.01 min
Lab File: BM005686.D
Acq: 07 Jun 2016 01:11

Tgt Ion:142 Resp: 24207
Ion Ratio Lower Upper
142 100
141 87.2 71.3 106.9



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

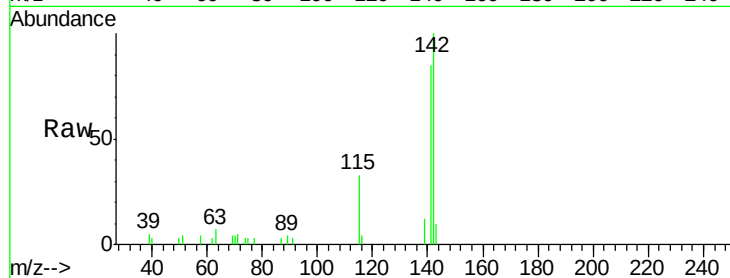




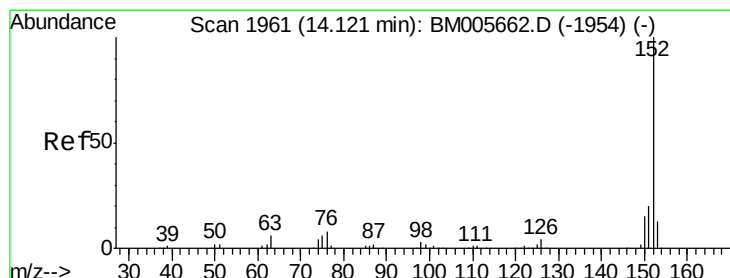
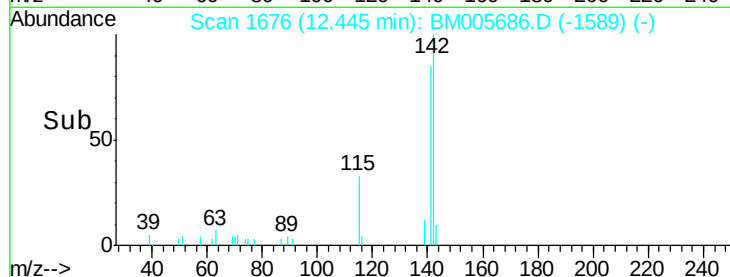
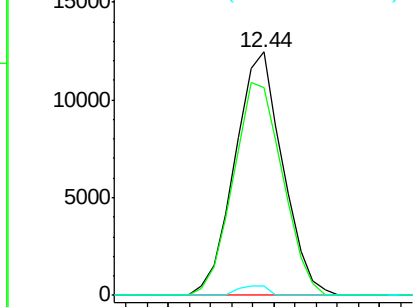
#14
1-Methylnaphthalene
Concen: 1.26 ng/ul
RT: 12.44 min Scan# 1676
Delta R.T. 0.01 min
Lab File: BM005686.D
Acq: 07 Jun 2016 01:11

Instrument :
BNA_M
ClientSampleId :
D9XS9

Tgt Ion:142 Resp: 19590
Ion Ratio Lower Upper
142 100
141 85.1 77.0 115.4
116 3.7 4.2 6.4#

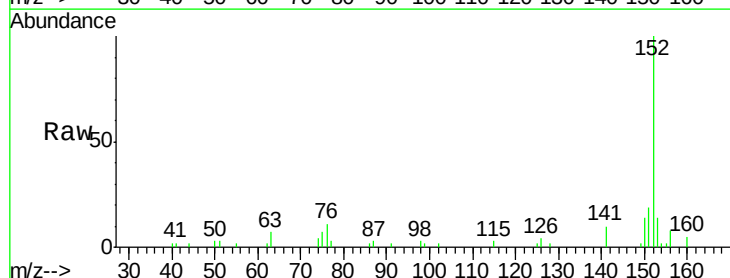


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

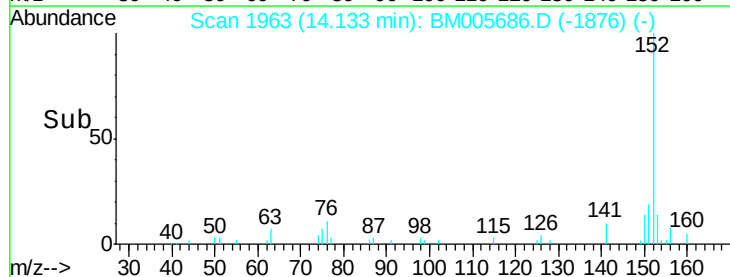
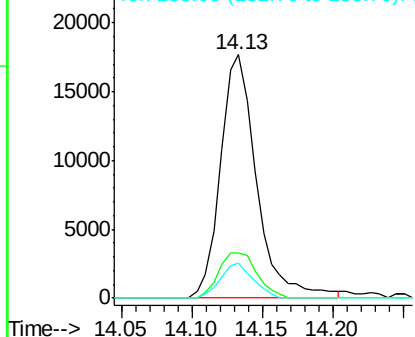


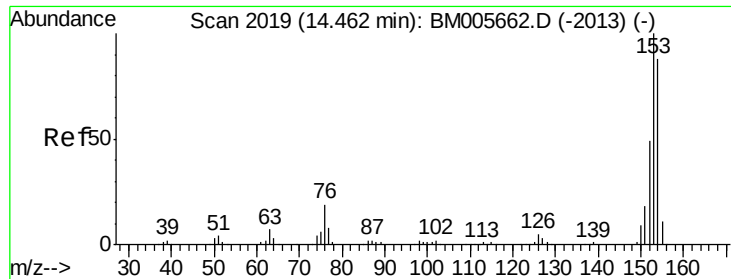
#18
Acenaphthylene
Concen: 1.55 ng/ul
RT: 14.13 min Scan# 1963
Delta R.T. 0.01 min
Lab File: BM005686.D
Acq: 07 Jun 2016 01:11

Tgt Ion:152 Resp: 31660
Ion Ratio Lower Upper
152 100
151 18.7 17.3 25.9
153 14.5 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





#19

Acenaphthene

Concen: 5.68 ng/ul

RT: 14.47 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BM005686.D

Acq: 07 Jun 2016 01:11

Instrument :

BNA_M

ClientSampleId :

D9XS9

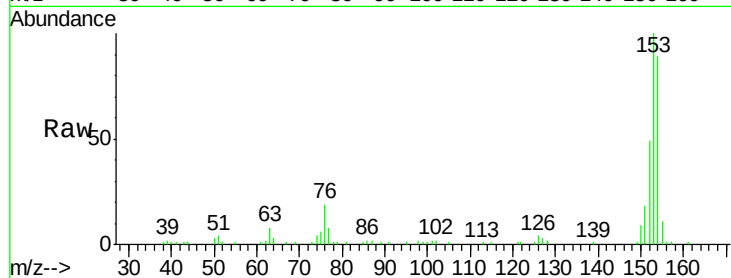
Tgt Ion:153 Resp: 75215

Ion Ratio Lower Upper

153 100

152 48.6 36.5 54.7

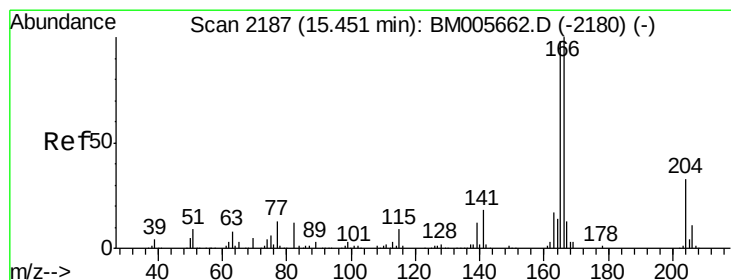
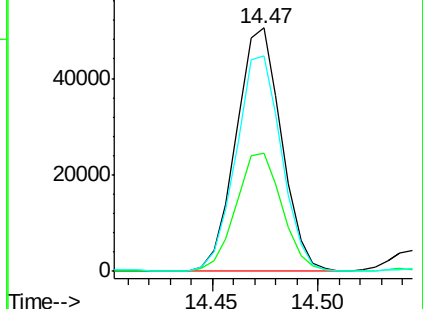
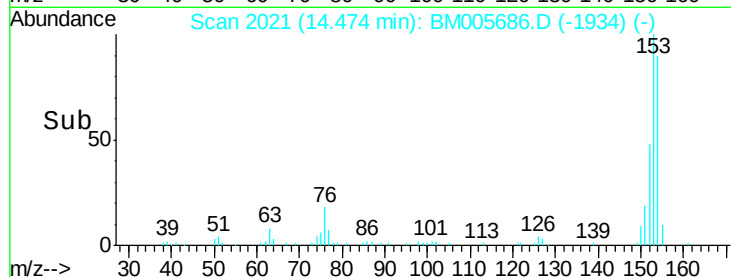
154 88.7 67.3 100.9



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#22

Fluorene

Concen: 5.61 ng/ul

RT: 15.46 min Scan# 2188

Delta R.T. 0.01 min

Lab File: BM005686.D

Acq: 07 Jun 2016 01:11

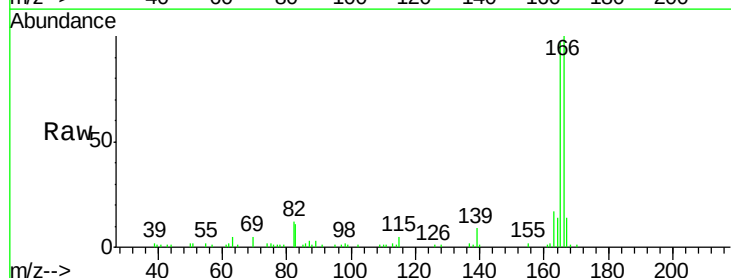
Tgt Ion:166 Resp: 80459

Ion Ratio Lower Upper

166 100

165 97.2 81.1 121.7

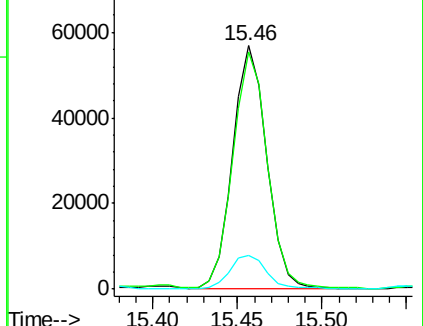
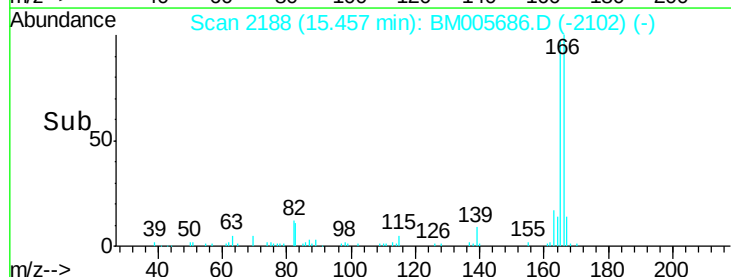
167 13.9 10.6 16.0

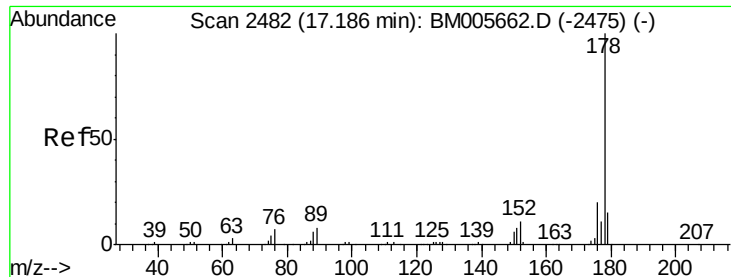


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 47.70 ng/ul

RT: 17.20 min Scan# 2484

Delta R.T. 0.01 min

Lab File: BM005686.D

Acq: 07 Jun 2016 01:11

Instrument :

BNA_M

ClientSampleId :

D9XS9

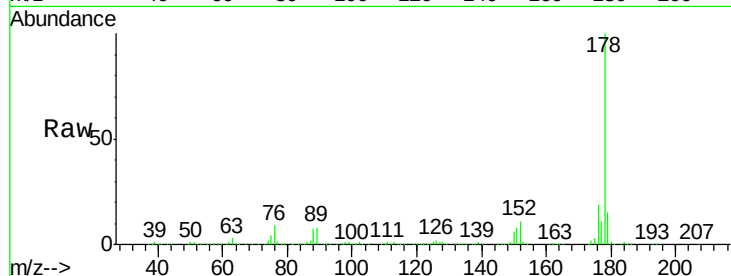
Tgt Ion:178 Resp: 1006342

Ion Ratio Lower Upper

178 100

179 15.3 11.8 17.8

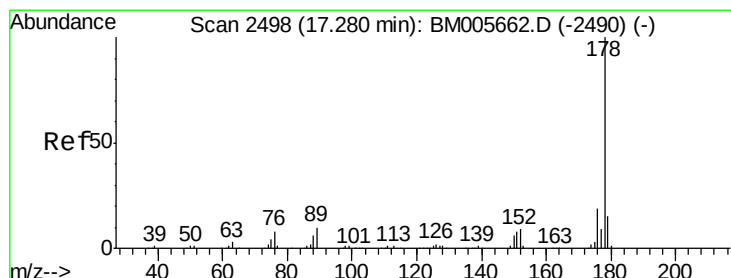
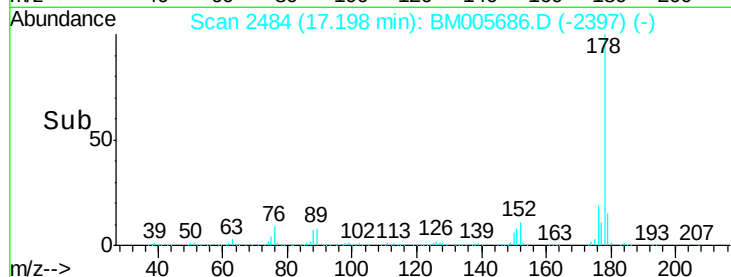
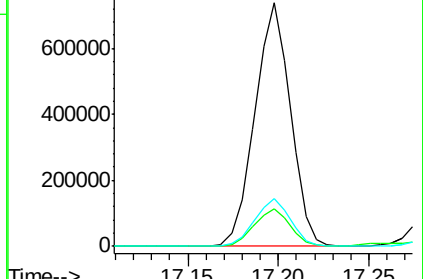
176 19.5 14.8 22.2



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: 10.42 ng/ul

RT: 17.29 min Scan# 2499

Delta R.T. 0.01 min

Lab File: BM005686.D

Acq: 07 Jun 2016 01:11

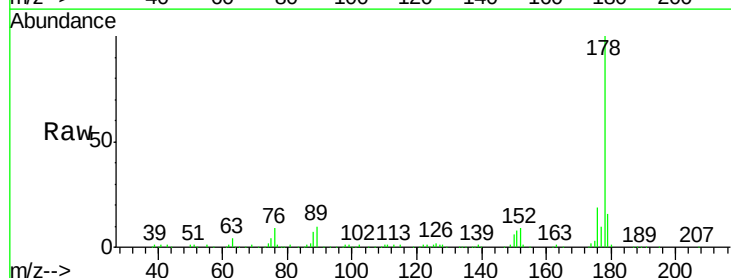
Tgt Ion:178 Resp: 223341

Ion Ratio Lower Upper

178 100

179 16.1 12.9 19.3

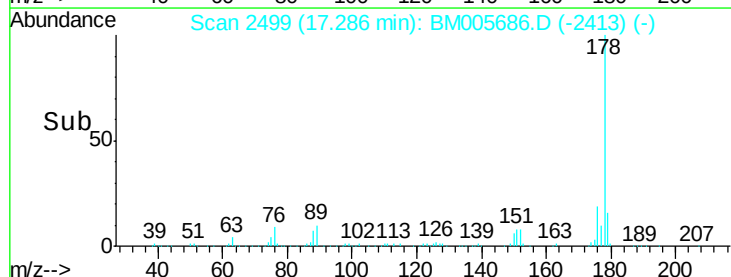
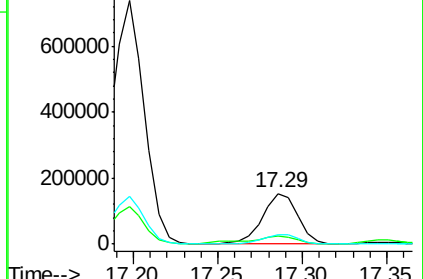
176 19.4 15.6 23.4

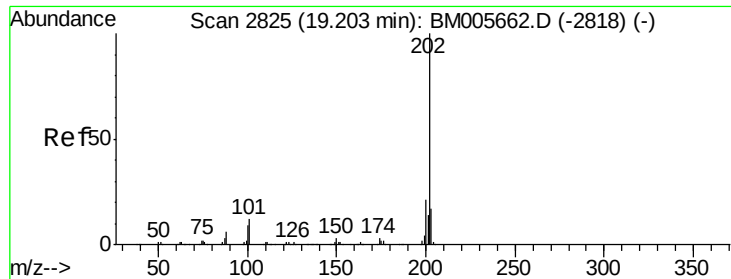


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

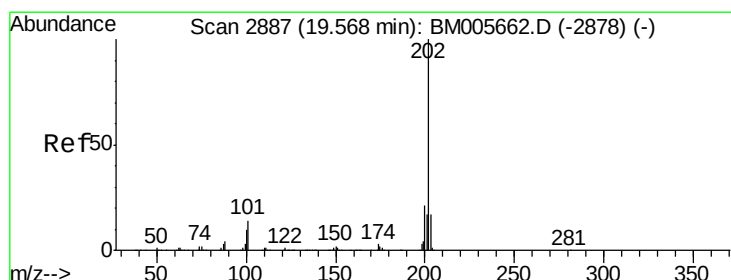
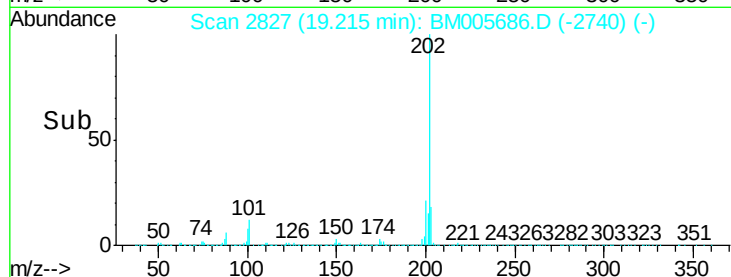
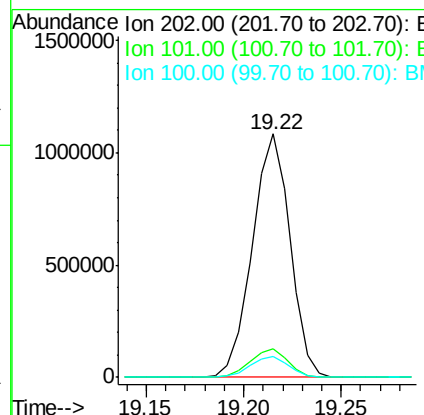
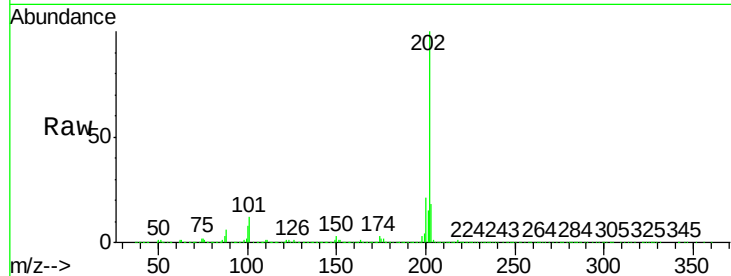




#28
Fluoranthene
Concen: 67.04 ng/ul
RT: 19.22 min Scan# 2827
Delta R.T. 0.01 min
Lab File: BM005686.D
Acq: 07 Jun 2016 01:11

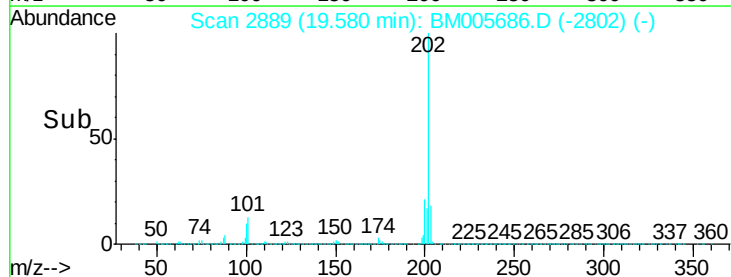
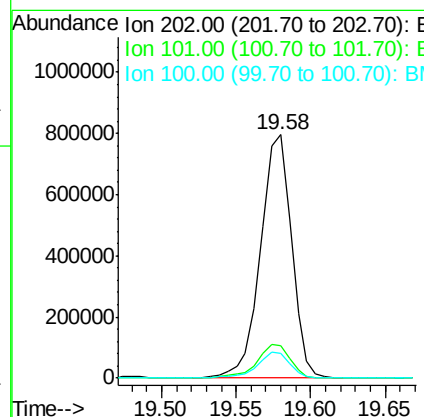
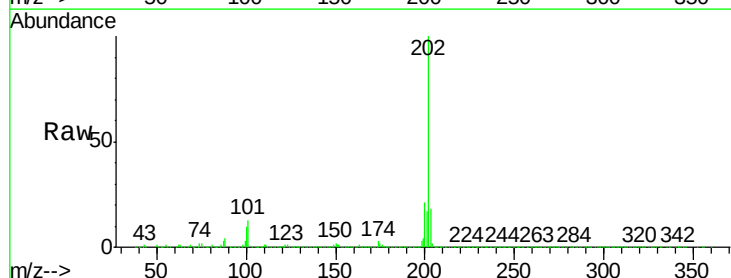
Instrument :
BNA_M
ClientSampleId :
D9XS9

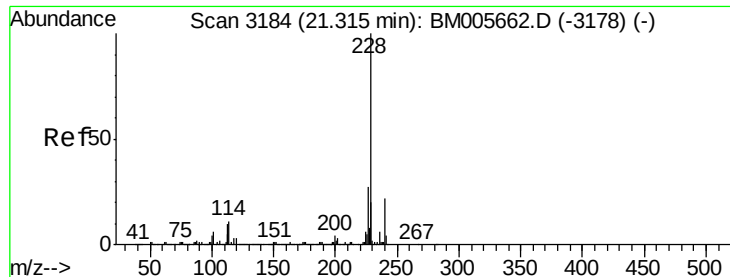
Tgt Ion:202 Resp: 1445446
Ion Ratio Lower Upper
202 100
101 11.7 8.9 13.3
100 8.5 7.0 10.4



#31
Pyrene
Concen: 46.86 ng/ul
RT: 19.58 min Scan# 2889
Delta R.T. 0.01 min
Lab File: BM005686.D
Acq: 07 Jun 2016 01:11

Tgt Ion:202 Resp: 1139441
Ion Ratio Lower Upper
202 100
101 13.4 9.8 14.8
100 10.4 9.3 13.9





#32

Benzo(a)anthracene

Concen: 27.43 ng/ul

RT: 21.32 min Scan# 3185

Delta R.T. 0.01 min

Lab File: BM005686.D

Acq: 07 Jun 2016 01:11

Instrument :

BNA_M

ClientSampleId :

D9XS9

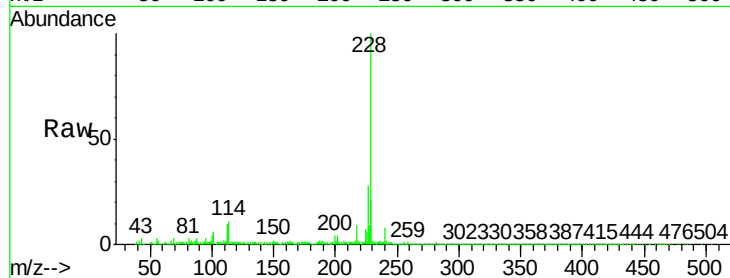
Tgt Ion:228 Resp: 619948

Ion Ratio Lower Upper

228 100

229 21.0 16.6 25.0

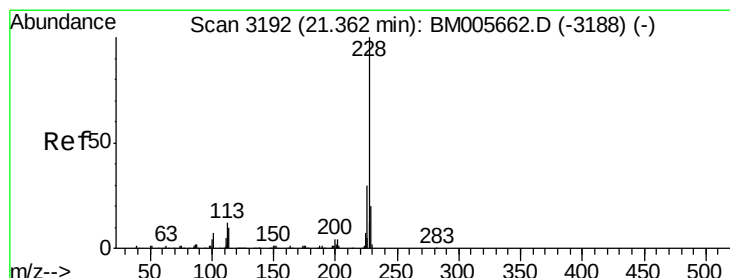
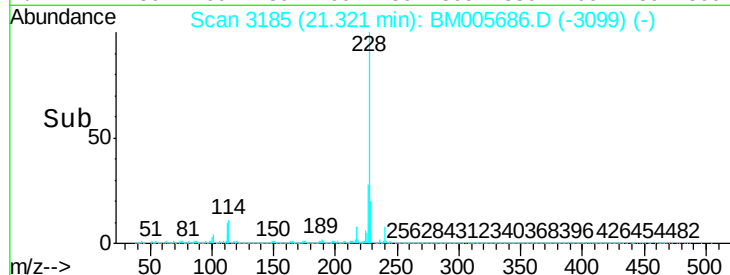
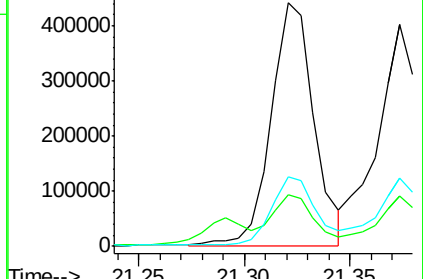
226 28.4 21.0 31.4



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: 25.96 ng/ul

RT: 21.37 min Scan# 3194

Delta R.T. 0.01 min

Lab File: BM005686.D

Acq: 07 Jun 2016 01:11

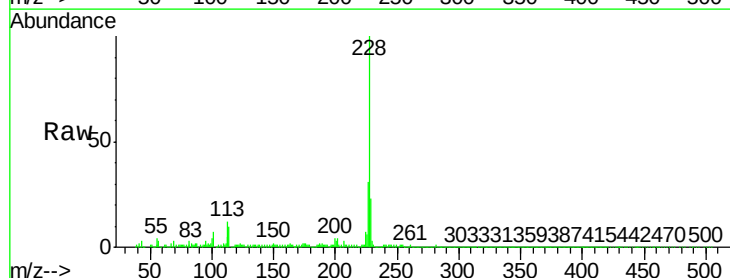
Tgt Ion:228 Resp: 554507

Ion Ratio Lower Upper

228 100

226 30.7 23.4 35.2

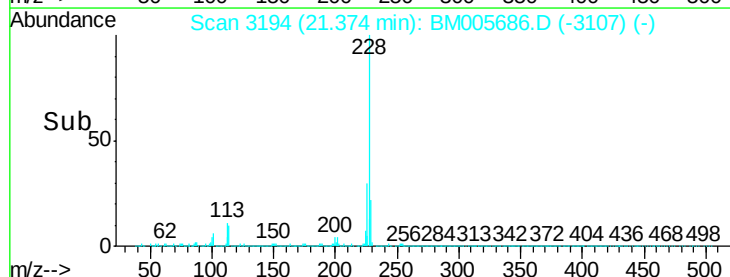
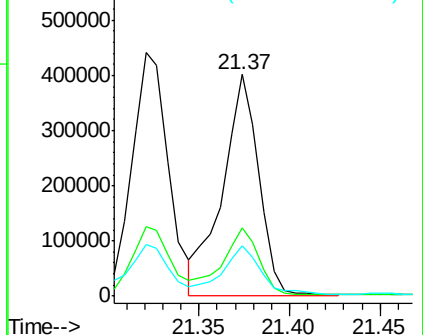
229 22.6 16.2 24.2

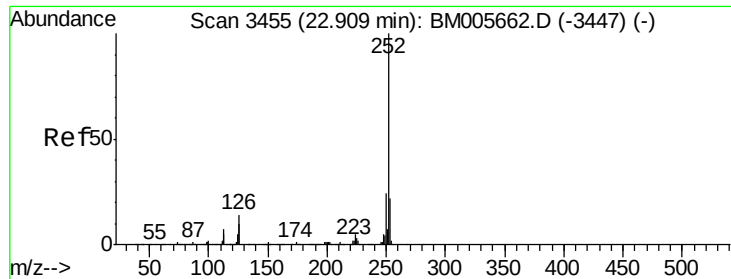


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 33.53 ng/ul

RT: 22.93 min Scan# 3458

Delta R.T. 0.02 min

Lab File: BM005686.D

Acq: 07 Jun 2016 01:11

Instrument :

BNA_M

ClientSampleId :

D9XS9

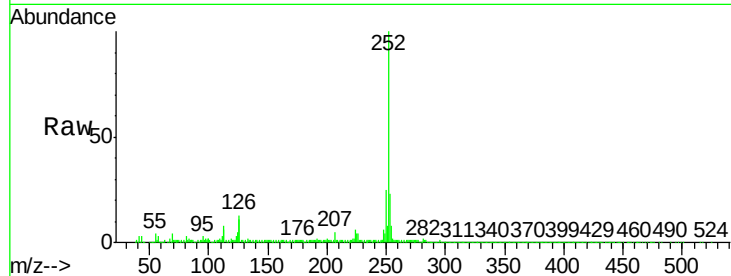
Tgt Ion:252 Resp: 849289

Ion Ratio Lower Upper

252 100

253 22.9 18.1 27.1

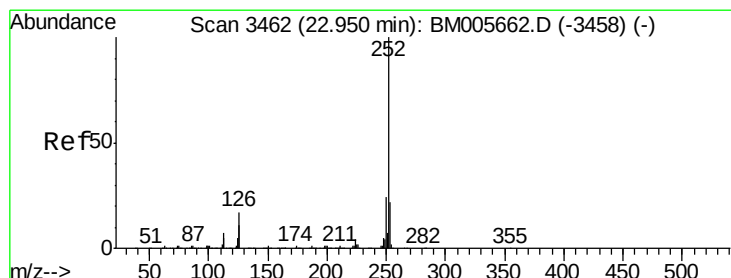
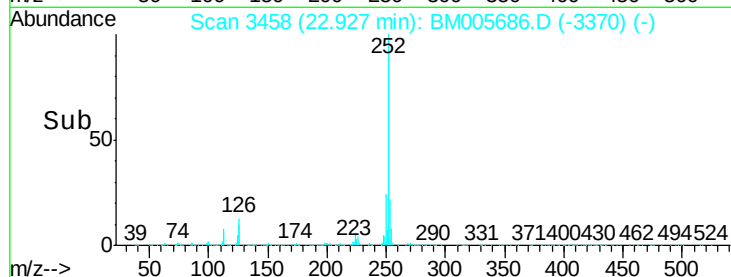
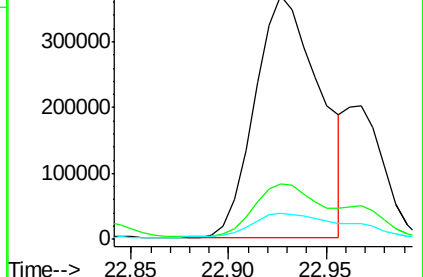
125 10.8 7.6 11.4



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: 35.73 ng/ul

RT: 22.93 min Scan# 3458

Delta R.T. -0.02 min

Lab File: BM005686.D

Acq: 07 Jun 2016 01:11

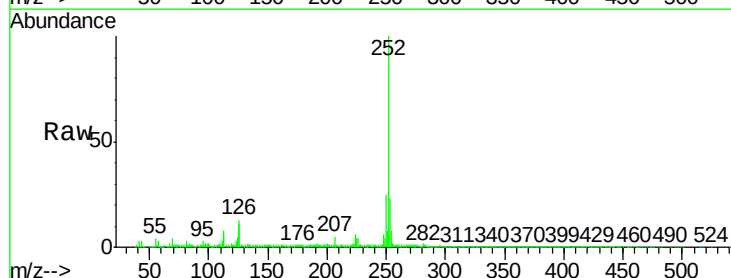
Tgt Ion:252 Resp: 849289

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

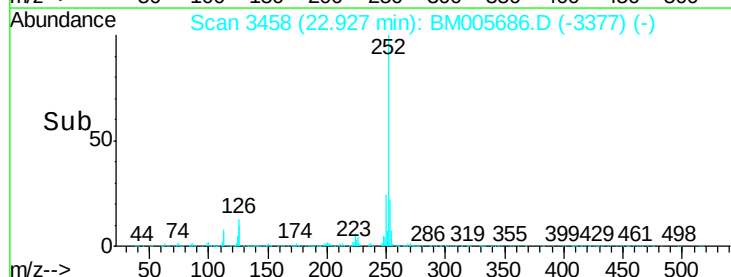
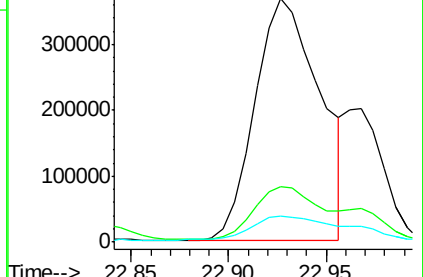
125 10.8 7.7 11.5

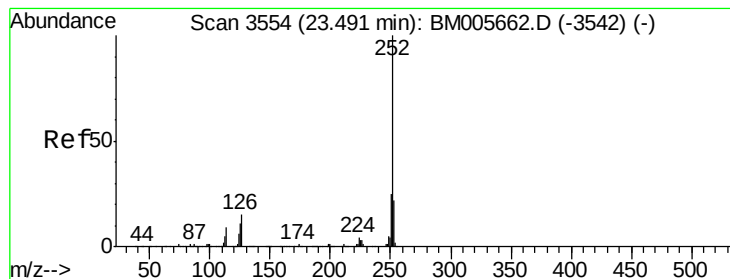


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 23.14 ng/ul

RT: 23.51 min Scan# 3557

Delta R.T. 0.02 min

Lab File: BM005686.D

Acq: 07 Jun 2016 01:11

Instrument :

BNA_M

ClientSampleId :

D9XS9

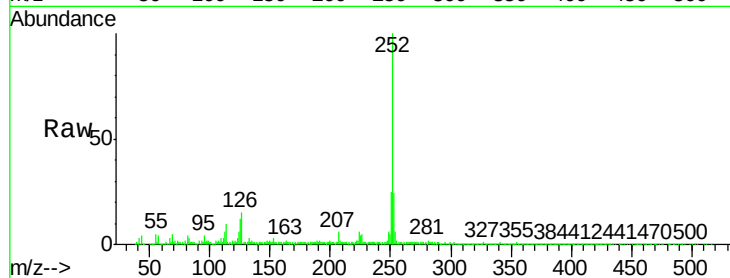
Tgt Ion:252 Resp: 564256

Ion Ratio Lower Upper

252 100

253 23.8 17.4 26.0

125 11.8 8.2 12.2

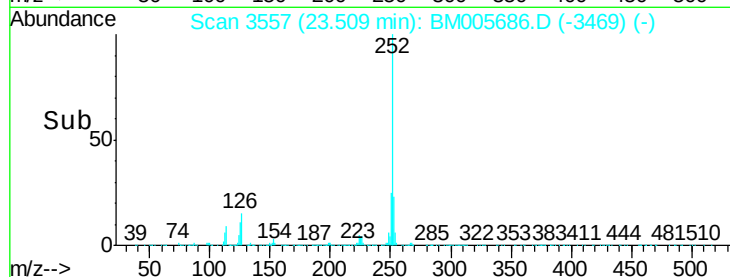


Abundance Ion 252.00 (251.70 to 252.70): E

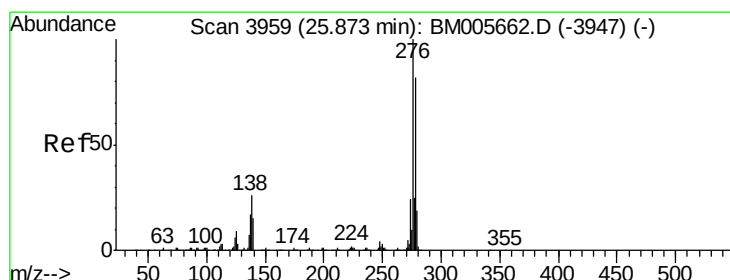
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



Time-->



#39

Indeno(1,2,3-cd)pyrene

Concen: 14.84 ng/ul

RT: 25.91 min Scan# 3965

Delta R.T. 0.04 min

Lab File: BM005686.D

Acq: 07 Jun 2016 01:11

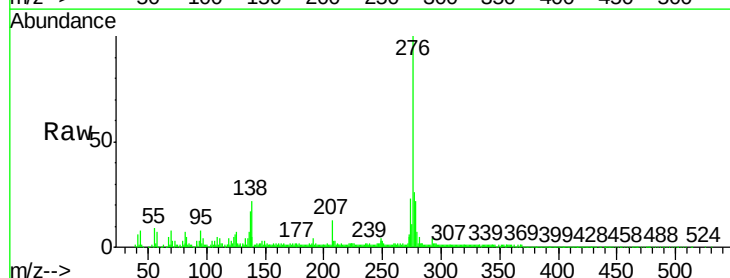
Tgt Ion:276 Resp: 428019

Ion Ratio Lower Upper

276 100

138 22.3 15.8 23.6

277 26.1 19.0 28.6

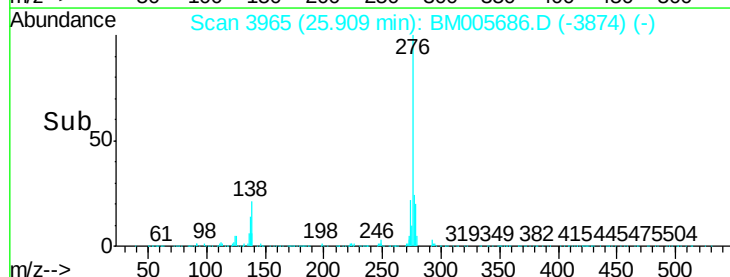


Abundance Ion 276.00 (275.70 to 276.70): E

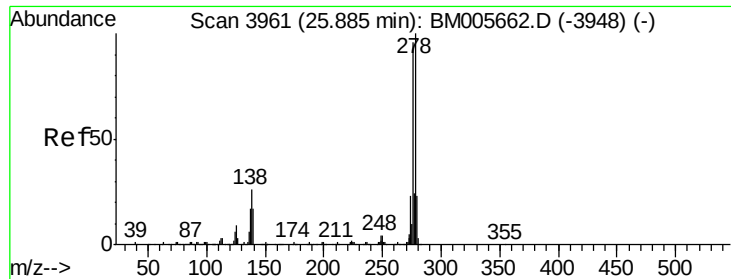
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

Time-->



Time-->



#40

Dibenzo(a,h)anthracene

Concen: 4.59 ng/ul

RT: 25.91 min Scan# 3965

Delta R.T. 0.02 min

Lab File: BM005686.D

Acq: 07 Jun 2016 01:11

Instrument :

BNA_M

ClientSampleId :

D9XS9

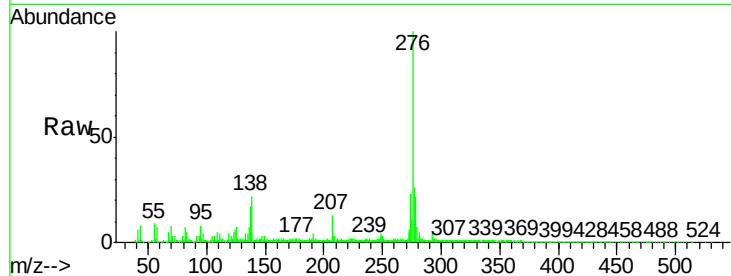
Tgt Ion:278 Resp: 111212

Ion Ratio Lower Upper

278 100

139 24.4 12.1 18.1#

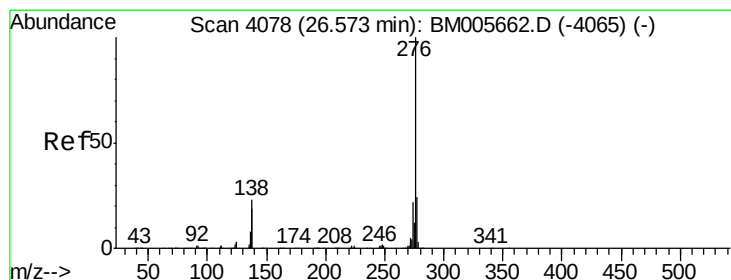
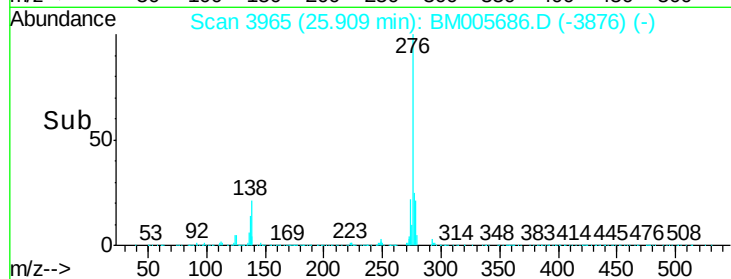
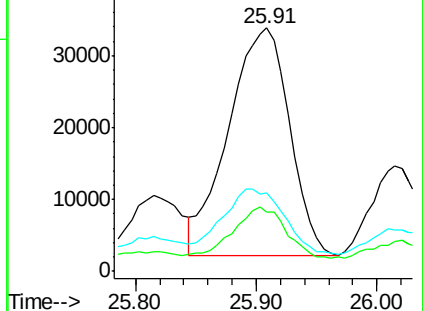
279 32.1 19.8 29.8#



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: 16.93 ng/ul

RT: 26.61 min Scan# 4085

Delta R.T. 0.04 min

Lab File: BM005686.D

Acq: 07 Jun 2016 01:11

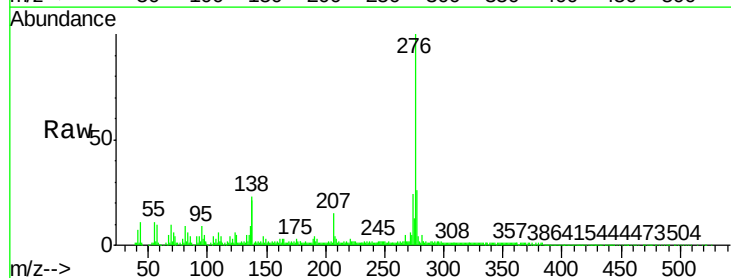
Tgt Ion:276 Resp: 409832

Ion Ratio Lower Upper

276 100

138 22.7 13.9 20.9#

277 25.5 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

