

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060616\
 Data File : BM005681.D
 Acq On : 06 Jun 2016 22:05
 Operator : UM/SJ
 Sample : H3412-14
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9XT3

Quant Time: Jun 07 04:28:11 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	7.76	152	94808	20.00	ng/ul	0.00
7) Naphthalene-d8	10.55	136	383267	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.40	164	187766	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.14	188	382411	20.00	ng/ul	0.00
29) Chrysene-d12	21.33	240	393712	20.00	ng/ul	0.00
34) Perylene-d12	23.59	264	410733	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.22	96	2408	1.07	ng/uL	0.00
3) Phenol-d5	6.94	99	78508	9.42	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.09	67	59591	11.75	ng/ul	0.00
5) 2-Chlorophenol-d4	7.30	132	73076	10.63	ng/ul	0.00
6) 4-Methylphenol-d8	8.47	113	44139	6.70	ng/ul	0.00
8) Nitrobenzene-d5	8.92	128	34467	11.71	ng/ul	0.00
9) 2-Nitrophenol-d4	9.64	143	35171	11.17	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.18	165	60651	10.84	ng/ul	0.00
12) 4-Chloroaniline-d4	10.69	131	44019	6.62	ng/ul	0.00
16) Dimethylphthalate-d6	13.81	166	184613	12.79	ng/ul	0.00
17) Acenaphthylene-d8	14.09	160	237361	12.64	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	13308	6.44	ng/ul	0.01
21) Fluorene-d10	15.39	176	162220	13.08	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.53	200	8054	4.47	ng/ul	0.00
26) Anthracene-d10	17.24	188	235076	12.94	ng/ul	0.00
30) Pyrene-d10	19.54	212	254768	12.87	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.44	264	249356	13.19	ng/ul	0.00

Target Compounds

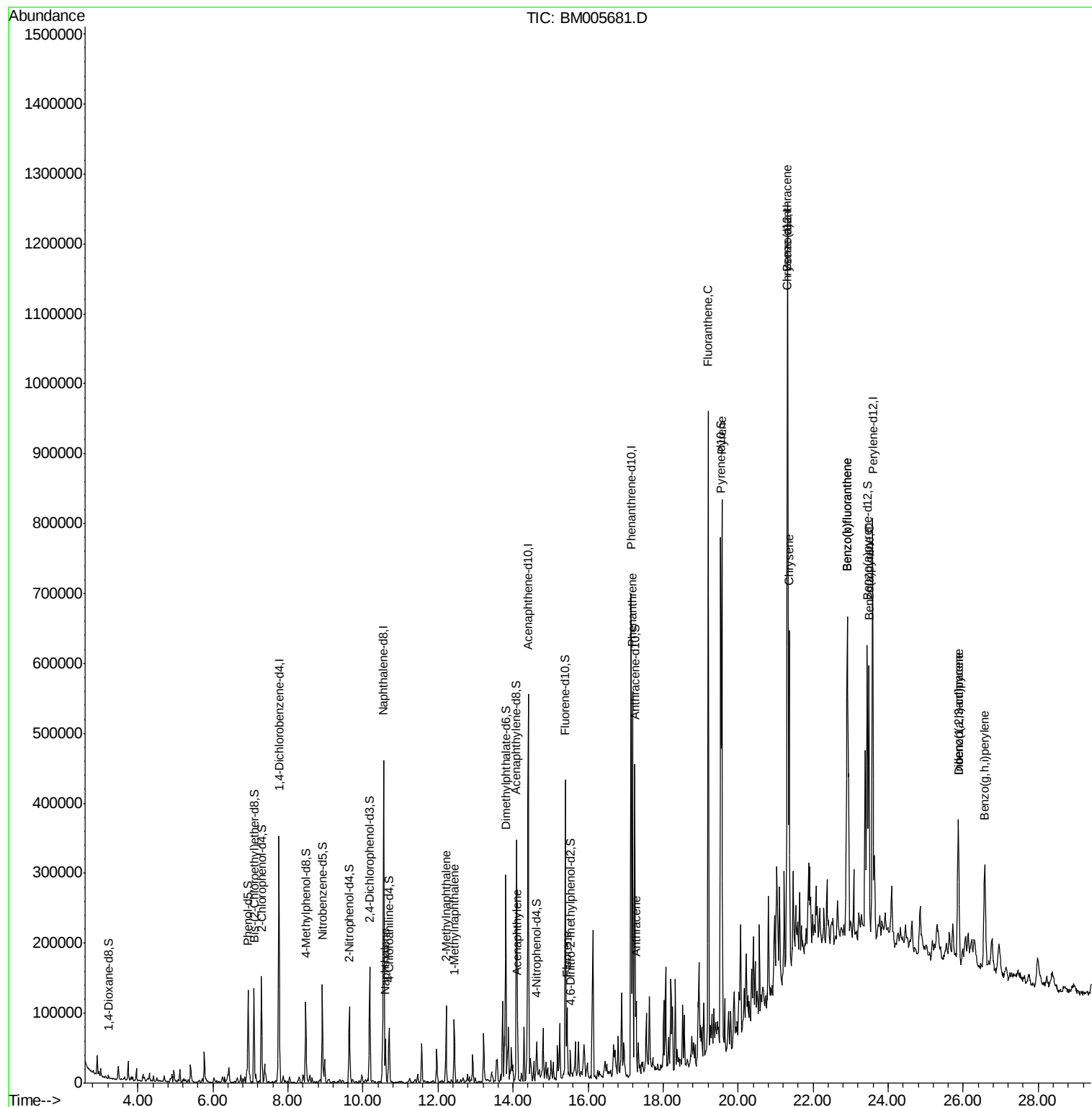
						Qvalue
11) Naphthalene	10.60	128	50562	2.60	ng/ul	98
13) 2-Methylnaphthalene	12.22	142	53394	3.94	ng/ul	96
14) 1-Methylnaphthalene	12.43	142	42093	3.16	ng/ul	95
18) Acenaphthylene	14.12	152	41221	2.12	ng/ul	96
22) Fluorene	15.45	166	16055	1.18	ng/ul#	96
25) Phenanthrene	17.19	178	323703	15.33	ng/ul	98
27) Anthracene	17.28	178	65759	3.07	ng/ul	99
28) Fluoranthene	19.20	202	503422	23.33	ng/ul	98
31) Pyrene	19.57	202	448858	18.07	ng/ul	97
32) Benzo(a)anthracene	21.31	228	285249	12.35	ng/ul	97
33) Chrysene	21.36	228	261963	12.01	ng/ul	98
35) Benzo(b)fluoranthene	22.91	252	396267	16.00	ng/ul#	98
36) Benzo(k)fluoranthene	22.91	252	396267	17.05	ng/ul#	98
38) Benzo(a)pyrene	23.49	252	269812	11.32	ng/ul#	96
39) Indeno(1,2,3-cd)pyrene	25.87	276	188037	6.67	ng/ul	95
40) Dibenzo(a,h)anthracene	25.87	278	49958	2.11	ng/ul#	81
41) Benzo(g,h,i)perylene	26.58	276	177190	7.49	ng/ul#	94

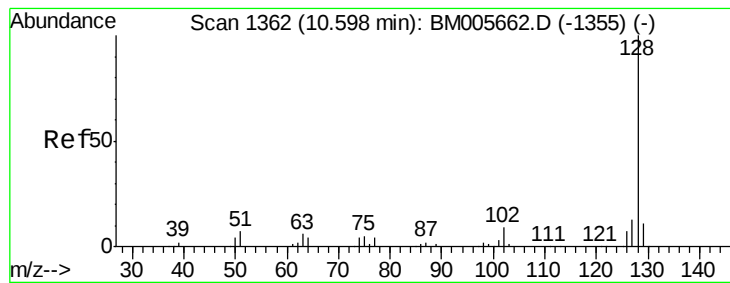
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060616\
Data File : BM005681.D
Acq On : 06 Jun 2016 22:05
Operator : UM/SJ
Sample : H3412-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9XT3

Quant Time: Jun 07 04:28:11 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





#11

Naphthalene

Concen: 2.60 ng/ul

RT: 10.60 min Scan# 1362

Delta R.T. 0.00 min

Lab File: BM005681.D

Acq: 06 Jun 2016 22:05

Instrument :

BNA_M

ClientSampleId :

D9XT3

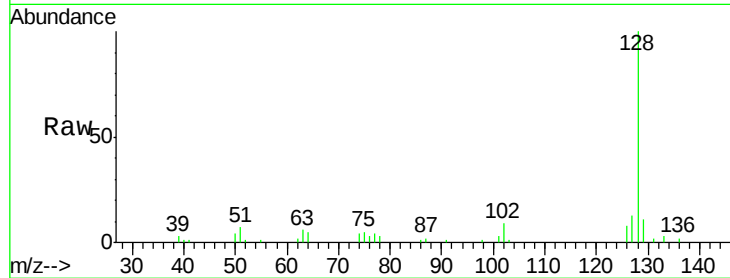
Tgt Ion:128 Resp: 50562

Ion Ratio Lower Upper

128 100

129 11.3 8.3 12.5

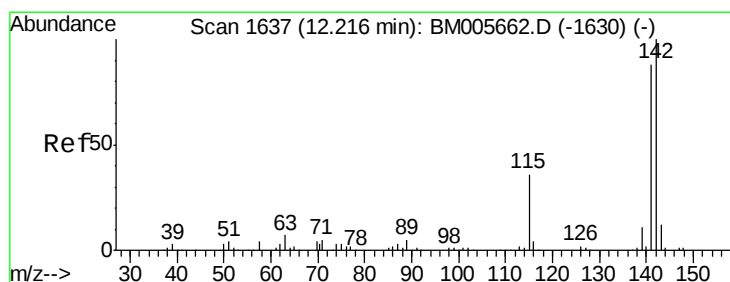
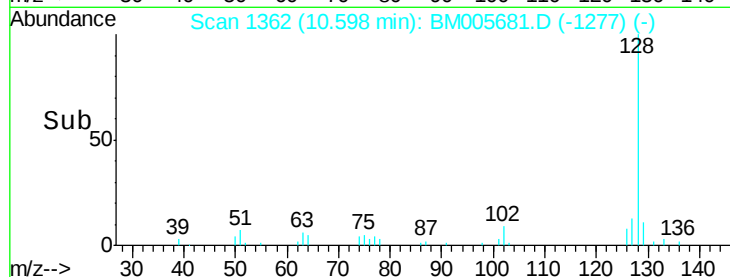
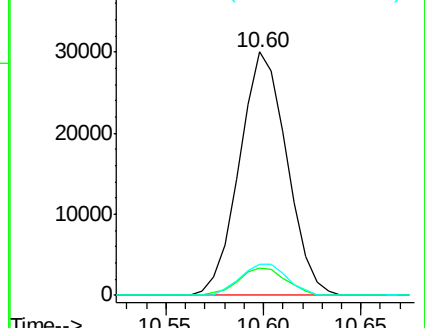
127 12.9 10.8 16.2



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: 3.94 ng/ul

RT: 12.22 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BM005681.D

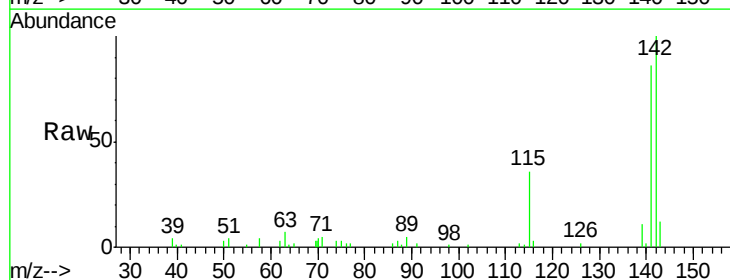
Acq: 06 Jun 2016 22:05

Tgt Ion:142 Resp: 53394

Ion Ratio Lower Upper

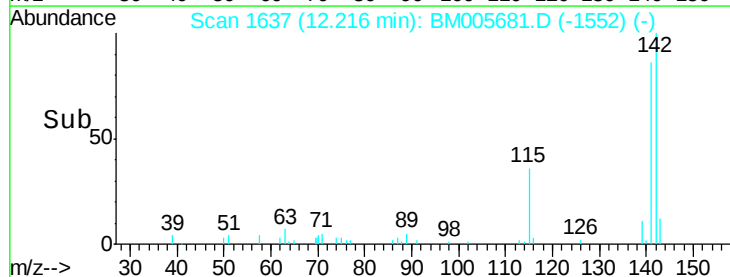
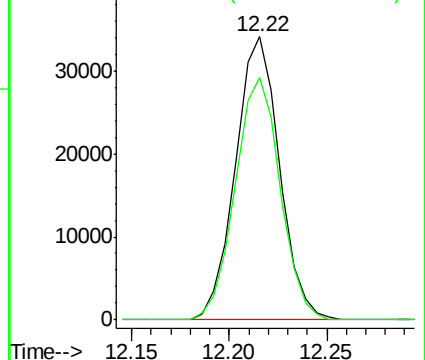
142 100

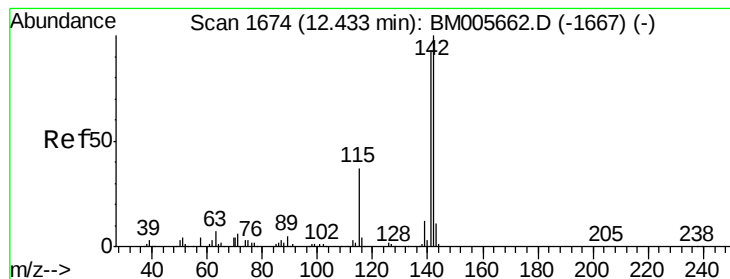
141 85.6 71.3 106.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#14

1-Methylnaphthalene

Concen: 3.16 ng/ul

RT: 12.43 min Scan# 1674

Delta R.T. 0.00 min

Lab File: BM005681.D

Acq: 06 Jun 2016 22:05

Instrument :

BNA_M

ClientSampleId :

D9XT3

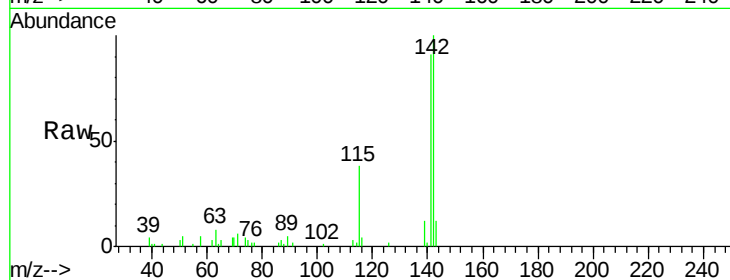
Tgt Ion:142 Resp: 42093

Ion Ratio Lower Upper

142 100

141 91.3 77.0 115.4

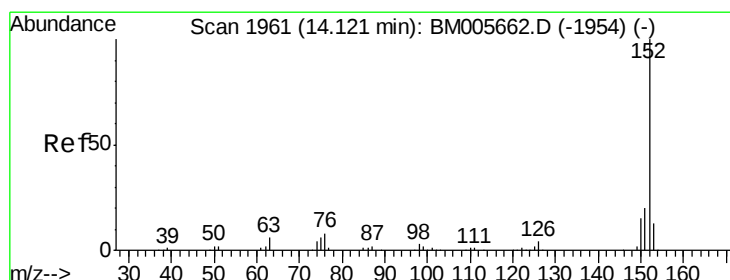
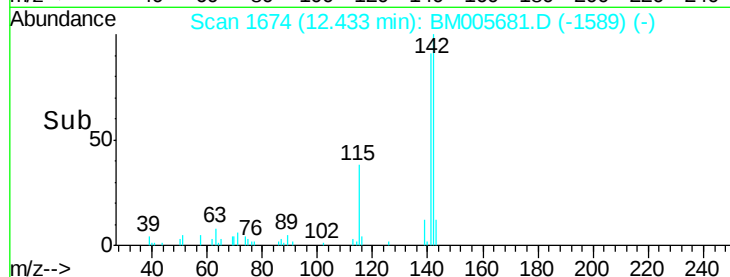
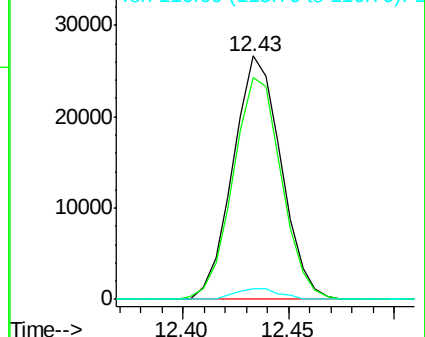
116 4.3 4.2 6.4



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: 2.12 ng/ul

RT: 14.12 min Scan# 1961

Delta R.T. 0.00 min

Lab File: BM005681.D

Acq: 06 Jun 2016 22:05

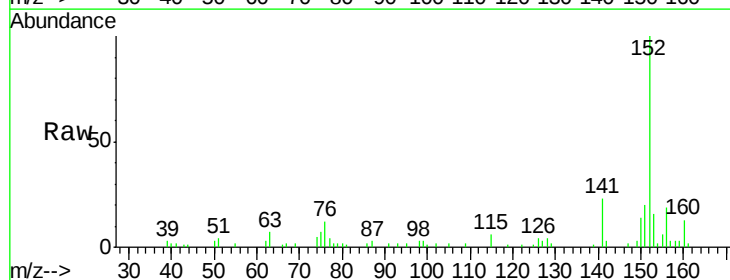
Tgt Ion:152 Resp: 41221

Ion Ratio Lower Upper

152 100

151 19.7 17.3 25.9

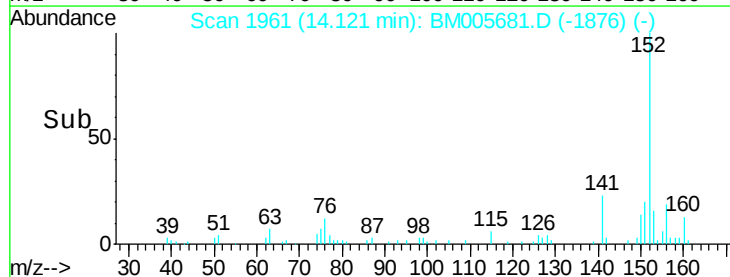
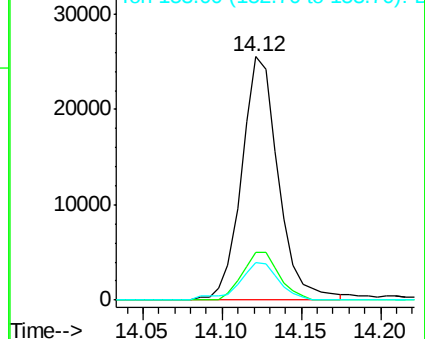
153 15.6 11.1 16.7

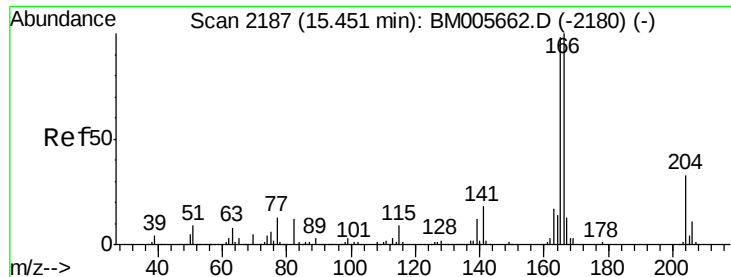


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#22

Fluorene

Concen: 1.18 ng/ul

RT: 15.45 min Scan# 2187

Delta R.T. 0.00 min

Lab File: BM005681.D

Acq: 06 Jun 2016 22:05

Instrument :

BNA_M

ClientSampleId :

D9XT3

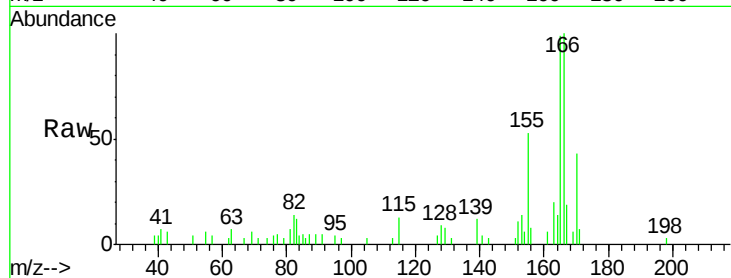
Tgt Ion:166 Resp: 16055

Ion Ratio Lower Upper

166 100

165 99.1 81.1 121.7

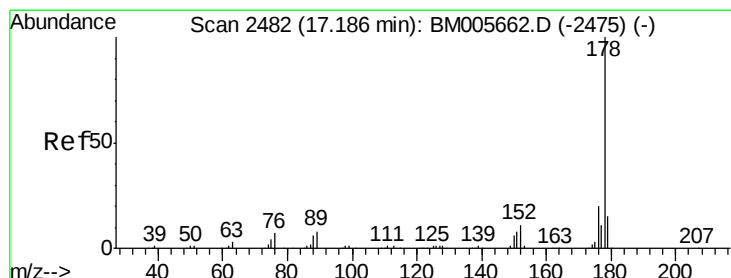
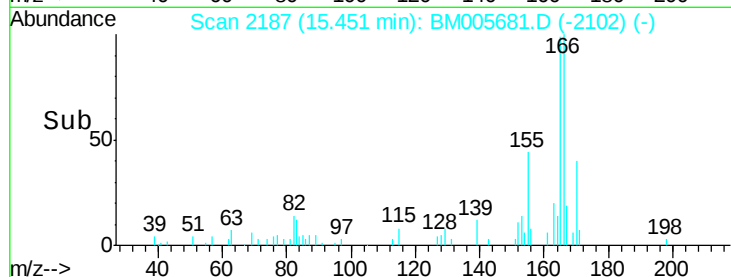
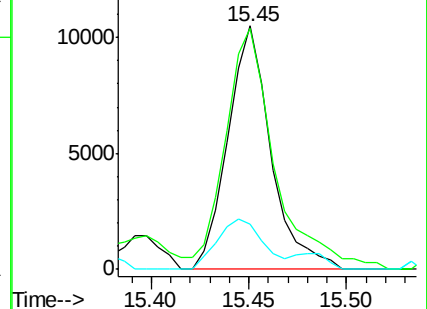
167 18.6 10.6 16.0#



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: 15.33 ng/ul

RT: 17.19 min Scan# 2482

Delta R.T. 0.00 min

Lab File: BM005681.D

Acq: 06 Jun 2016 22:05

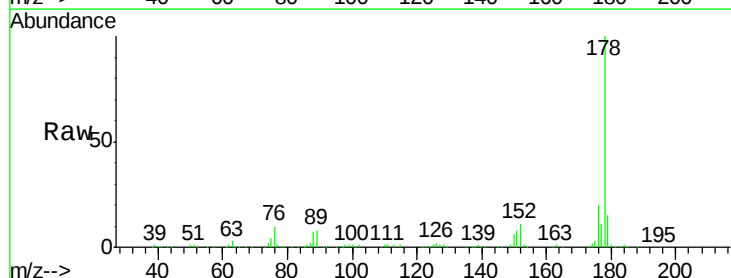
Tgt Ion:178 Resp: 323703

Ion Ratio Lower Upper

178 100

179 15.5 11.8 17.8

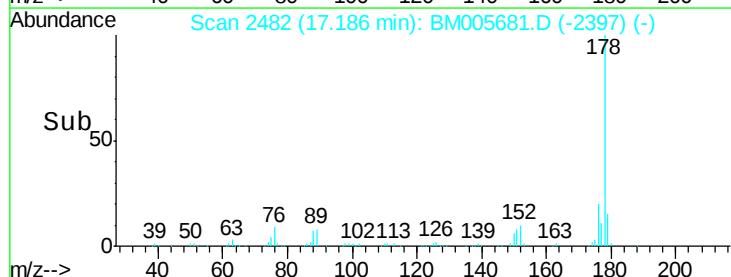
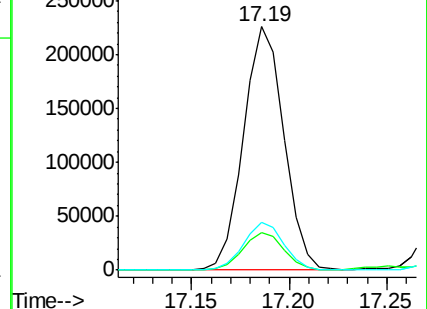
176 19.6 14.8 22.2

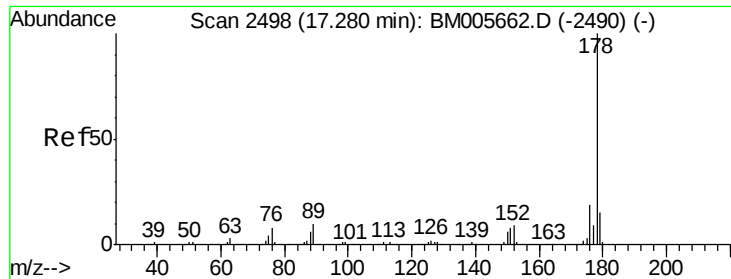


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

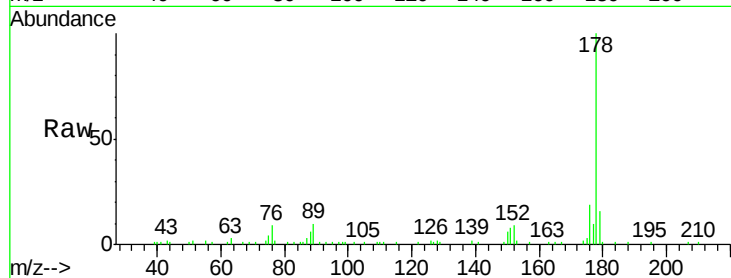




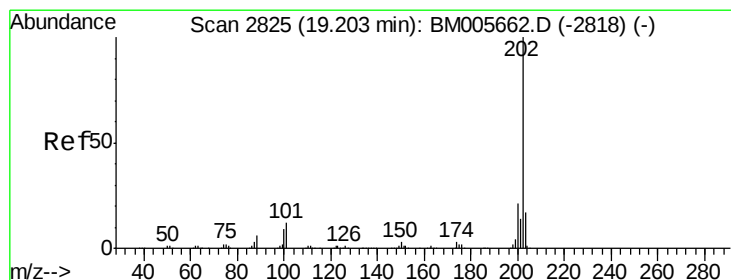
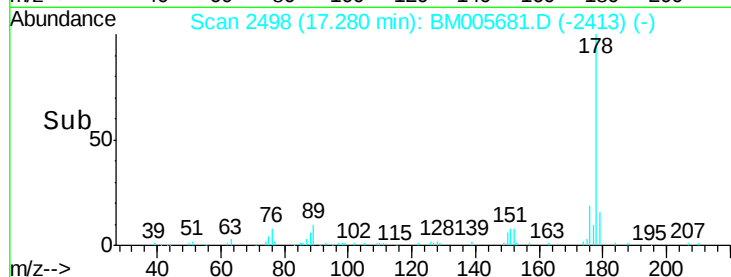
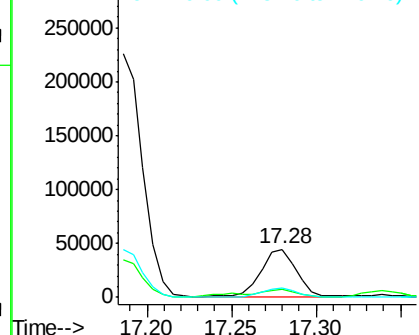
#27
 Anthracene
 Concen: 3.07 ng/ul
 RT: 17.28 min Scan# 2498
 Delta R.T. 0.00 min
 Lab File: BM005681.D
 Acq: 06 Jun 2016 22:05

Instrument :
 BNA_M
 ClientSampleId :
 D9XT3

Tgt Ion:178 Resp: 65759
 Ion Ratio Lower Upper
 178 100
 179 15.7 12.9 19.3
 176 18.9 15.6 23.4

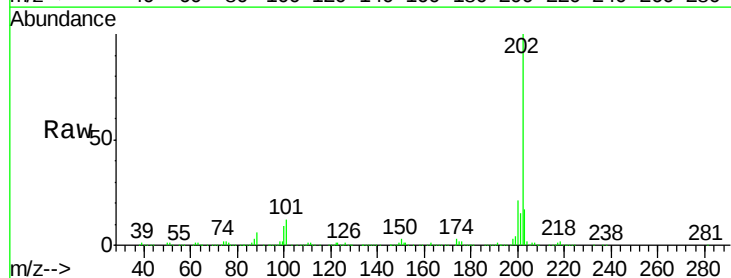


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

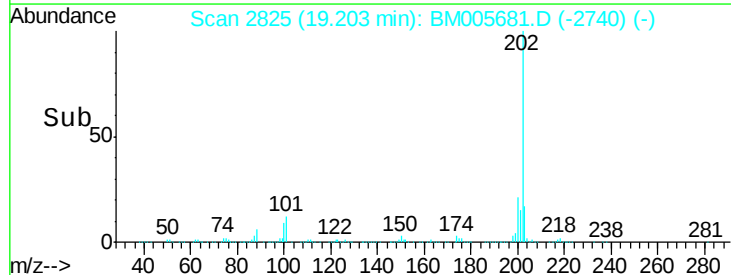
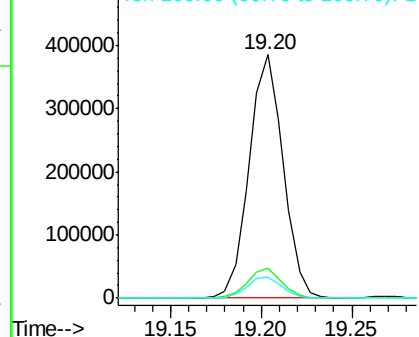


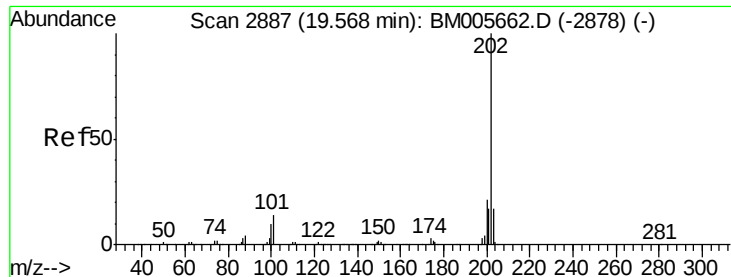
#28
 Fluoranthene
 Concen: 23.33 ng/ul
 RT: 19.20 min Scan# 2825
 Delta R.T. 0.00 min
 Lab File: BM005681.D
 Acq: 06 Jun 2016 22:05

Tgt Ion:202 Resp: 503422
 Ion Ratio Lower Upper
 202 100
 101 12.0 8.9 13.3
 100 8.8 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

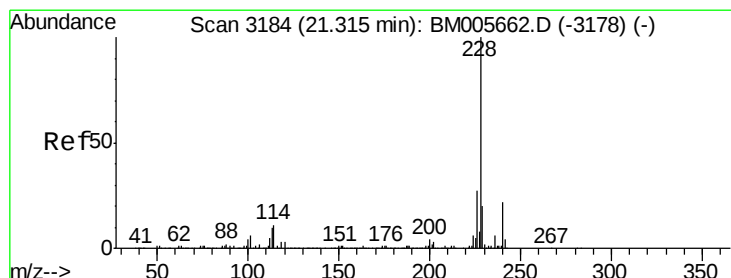
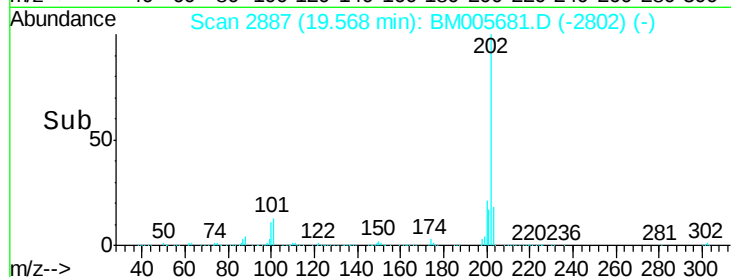
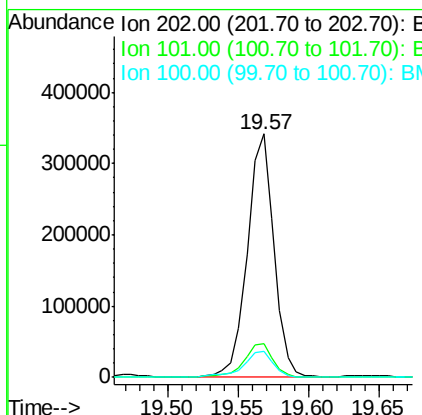
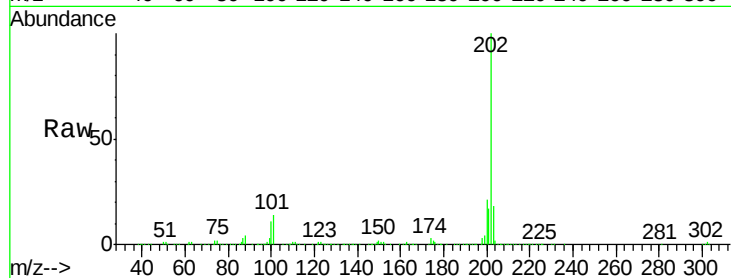




#31
 Pyrene
 Concen: 18.07 ng/ul
 RT: 19.57 min Scan# 2887
 Delta R.T. 0.00 min
 Lab File: BM005681.D
 Acq: 06 Jun 2016 22:05

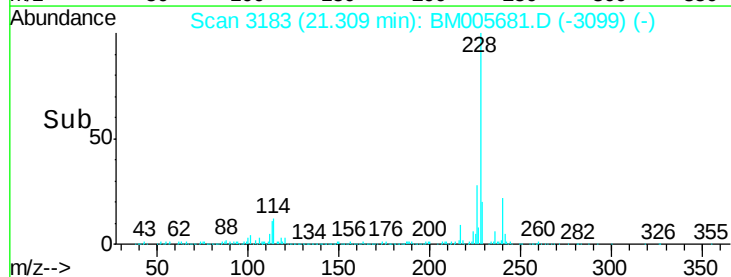
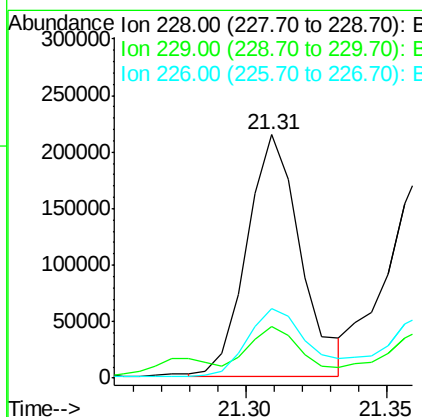
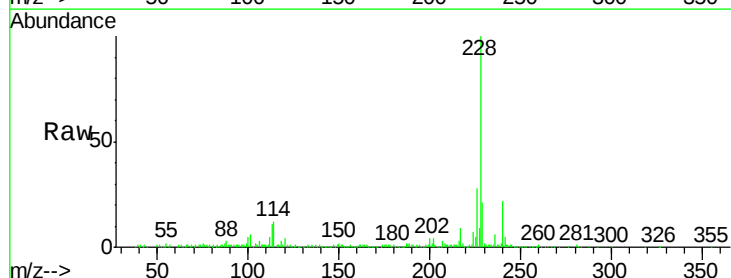
Instrument :
 BNA_M
 ClientSampleId :
 D9XT3

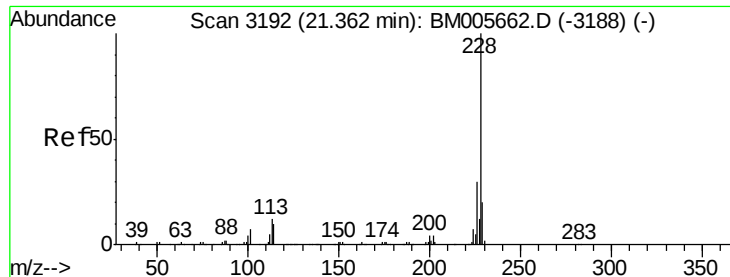
Tgt Ion: 202 Resp: 448858
 Ion Ratio Lower Upper
 202 100
 101 13.6 9.8 14.8
 100 10.6 9.3 13.9



#32
 Benzo(a)anthracene
 Concen: 12.35 ng/ul
 RT: 21.31 min Scan# 3183
 Delta R.T. -0.01 min
 Lab File: BM005681.D
 Acq: 06 Jun 2016 22:05

Tgt Ion: 228 Resp: 285249
 Ion Ratio Lower Upper
 228 100
 229 21.3 16.6 25.0
 226 28.5 21.0 31.4





#33

Chrysene

Concen: 12.01 ng/ul

RT: 21.36 min Scan# 3192

Delta R.T. 0.00 min

Lab File: BM005681.D

Acq: 06 Jun 2016 22:05

Instrument :

BNA_M

ClientSampleId :

D9XT3

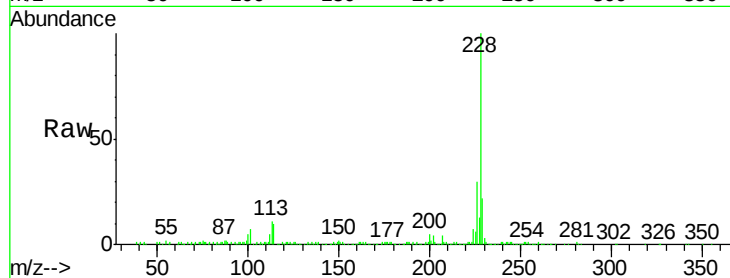
Tgt Ion:228 Resp: 261963

Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.2

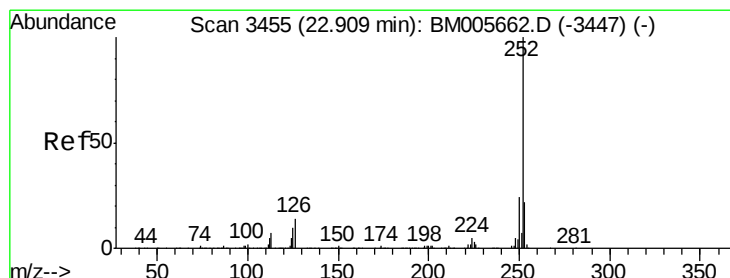
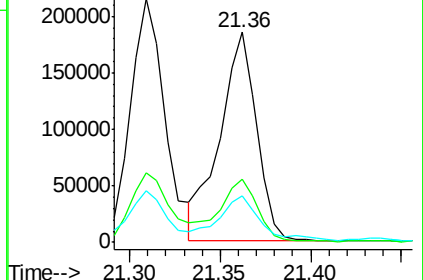
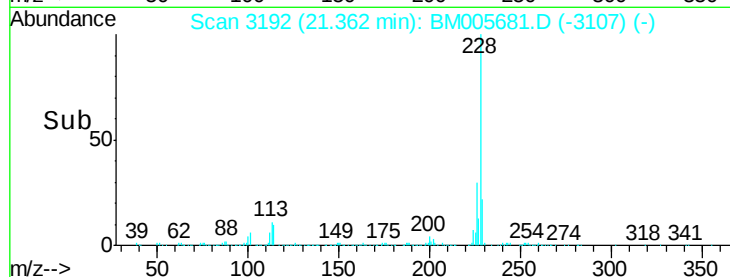
229 22.2 16.2 24.2



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: 16.00 ng/ul

RT: 22.91 min Scan# 3455

Delta R.T. 0.00 min

Lab File: BM005681.D

Acq: 06 Jun 2016 22:05

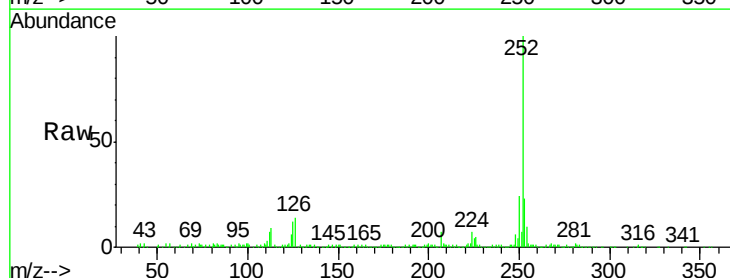
Tgt Ion:252 Resp: 396267

Ion Ratio Lower Upper

252 100

253 22.6 18.1 27.1

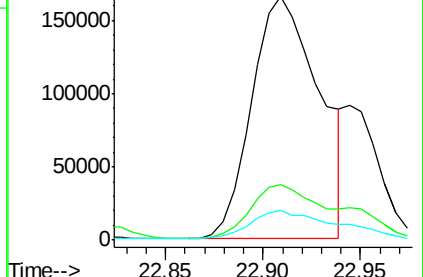
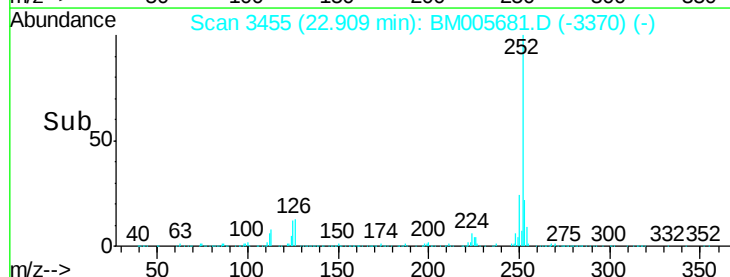
125 12.1 7.6 11.4#

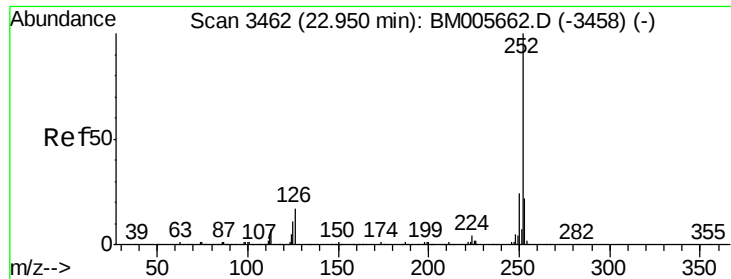


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 17.05 ng/u1

RT: 22.91 min Scan# 3455

Delta R.T. -0.04 min

Lab File: BM005681.D

Acq: 06 Jun 2016 22:05

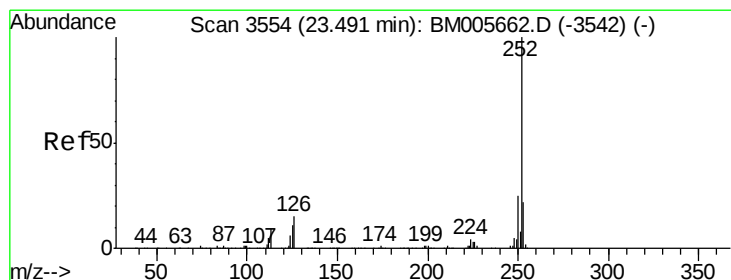
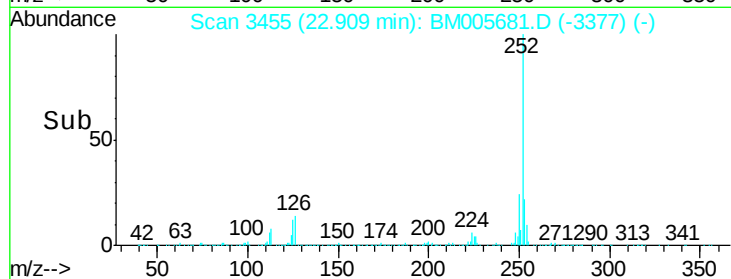
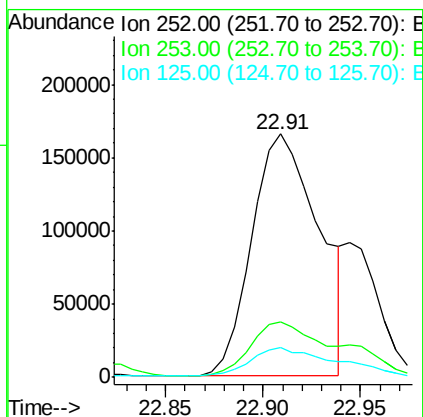
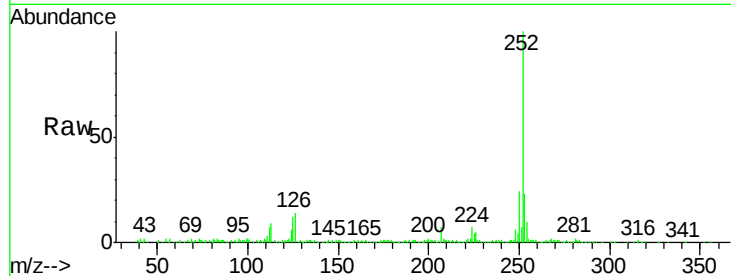
Instrument :

BNA_M

ClientSampleId :

D9XT3

Tgt Ion:	252	Resp:	396267
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.8	26.8
125	12.1	7.7	11.5#



#38

Benzo(a)pyrene

Concen: 11.32 ng/u1

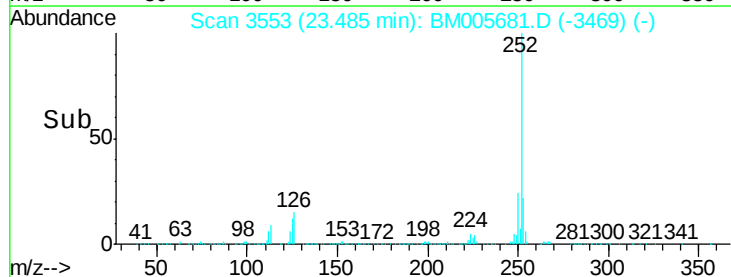
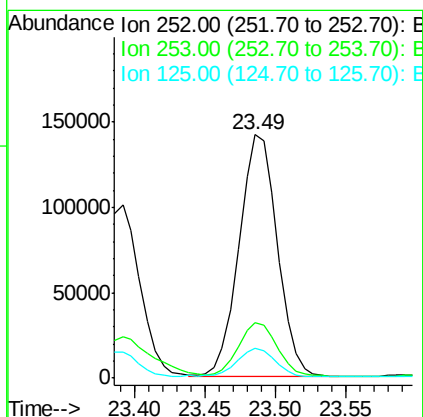
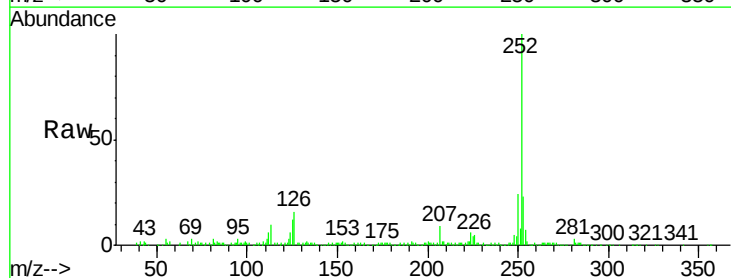
RT: 23.49 min Scan# 3553

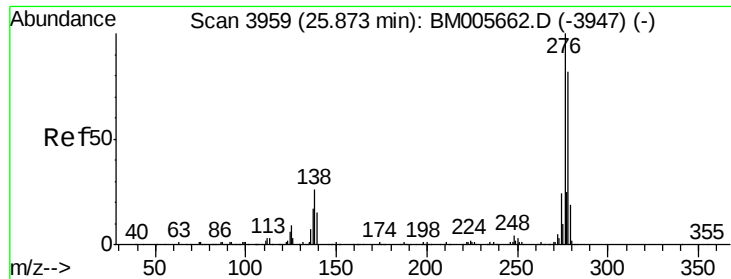
Delta R.T. -0.01 min

Lab File: BM005681.D

Acq: 06 Jun 2016 22:05

Tgt Ion:	252	Resp:	269812
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.4	26.0
125	12.4	8.2	12.2#





#39

Indeno(1,2,3-cd)pyrene

Concen: 6.67 ng/ul

RT: 25.87 min Scan# 3959

Delta R.T. 0.00 min

Lab File: BM005681.D

Acq: 06 Jun 2016 22:05

Instrument :

BNA_M

ClientSampleId :

D9XT3

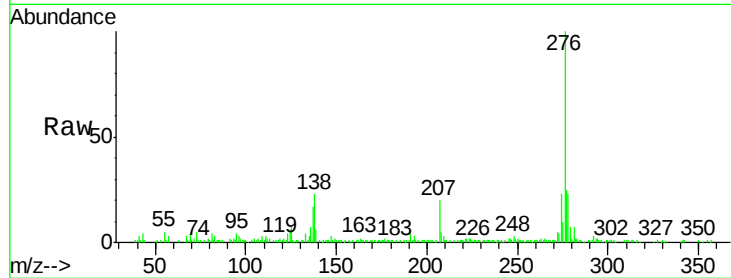
Tgt Ion:276 Resp: 188037

Ion Ratio Lower Upper

276 100

138 23.1 15.8 23.6

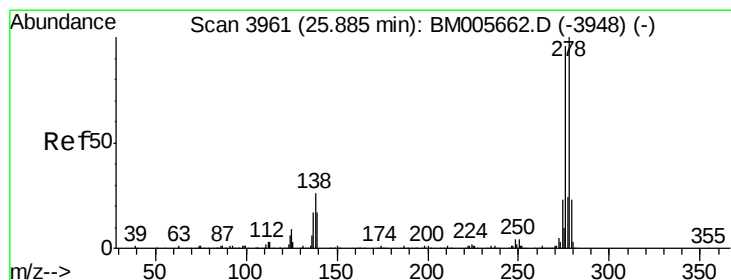
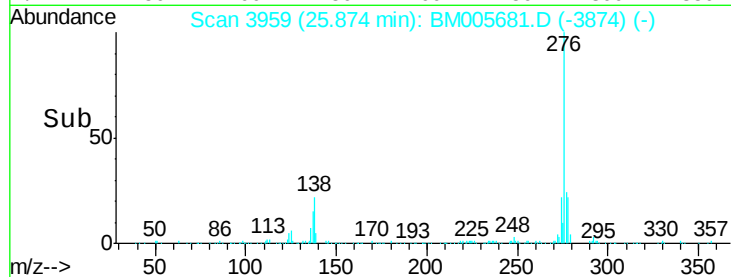
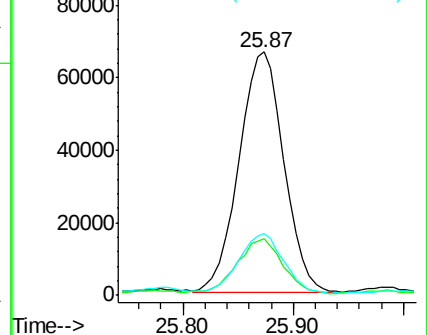
277 25.4 19.0 28.6



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: 2.11 ng/ul

RT: 25.87 min Scan# 3958

Delta R.T. -0.02 min

Lab File: BM005681.D

Acq: 06 Jun 2016 22:05

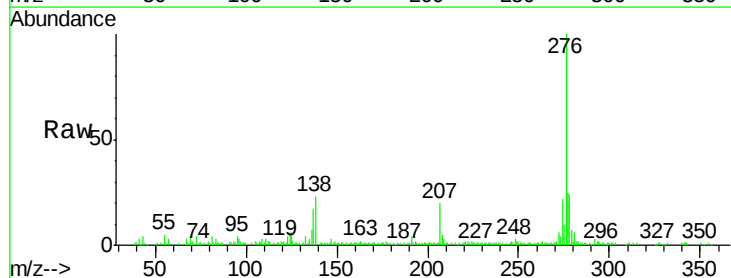
Tgt Ion:278 Resp: 49958

Ion Ratio Lower Upper

278 100

139 0.0 12.1 18.1#

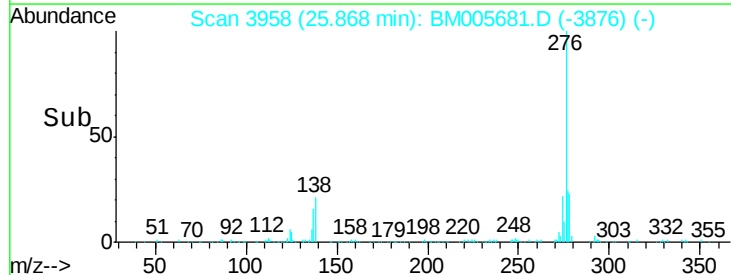
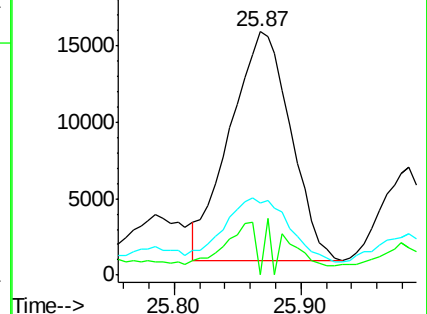
279 29.4 19.8 29.8

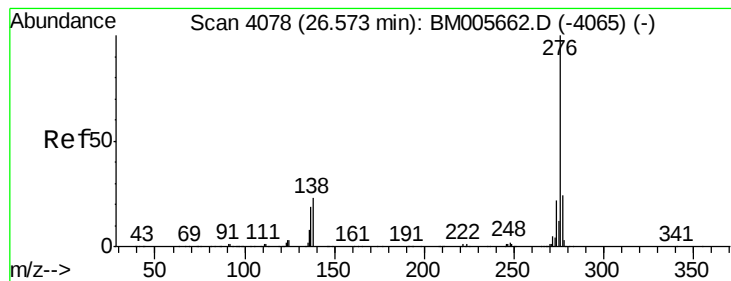


Abundance Ion 278.00 (277.70 to 278.70): E

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: 7.49 ng/ul

RT: 26.58 min Scan# 4079

Delta R.T. 0.01 min

Lab File: BM005681.D

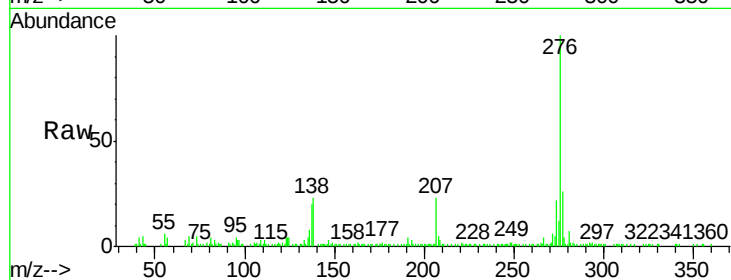
Acq: 06 Jun 2016 22:05

Instrument :

BNA_M

ClientSampleId :

D9XT3



Tgt Ion:	276	Resp:	177190
Ion	Ratio	Lower	Upper
276	100		
138	22.6	13.9	20.9#
277	25.6	19.8	29.6

