

Data File : BM010681.D
Acq On : 23 Jun 2017 03:56
Operator : SJ/JU
Sample : I3625-19 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5A01DL

Quant Time: Jun 23 05:11:22 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 23 05:06:10 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	82440	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	374341	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.11	164	262091	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	639157	20.00	ng/ul	0.00
75) Chrysene-d12	21.08	240	707428	20.00	ng/ul	0.00
83) Perylene-d12	23.22	264	543523	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.08	96	1184	0.82	ng/uL	0.00
5) Phenol-d5	6.65	99	34986	4.46	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	20287	4.53	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	26950	4.89	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	31655	4.86	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	13940	5.22	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	16006	5.20	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	35619	5.50	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	40704	5.96	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	130118	5.66	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	141430	5.28	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	14894	3.68	ng/ul	-0.01
57) Fluorene-d10	15.11	176	110450	5.55	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	15624	3.98	ng/ul	0.00
70) Anthracene-d10	16.87	188	639157	20.71	ng/ul	-0.10
76) Pyrene-d10	19.27	212	207567	6.32	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.09	264	154199	5.87	ng/ul	0.00

Target Compounds				Qvalue		
44) Dimethylphthalate	13.58	163	40846	1.81	ng/ul#	98
49) Acenaphthene	14.17	153	26426	1.54	ng/ul	88
58) Fluorene	15.17	166	34976	1.60	ng/ul	96
69) Phenanthrene	16.91	178	722750	21.27	ng/ul	99
71) Anthracene	17.00	178	106079	3.03	ng/ul	97
72) Carbazole	17.27	167	68715	2.25	ng/ul	95
74) Fluoranthene	18.94	202	1002418	22.89	ng/ul	97
77) Pyrene	19.30	202	822586	20.13	ng/ul#	96
80) Benzo(a)anthracene	21.07	228	412920	10.02	ng/ul	97
82) Chrysene	21.11	228	419638	11.42	ng/ul	96
85) Benzo(b)fluoranthene	22.59	252	436132	12.36	ng/ul	100
86) Benzo(k)fluoranthene	22.59	252	436132	13.04	ng/ul	98
88) Benzo(a)pyrene	23.13	252	261841	8.06	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.33	276	141931	4.21	ng/ul	99
91) Benzo(g,h,i)perylene	25.98	276	102860	3.84	ng/ul	94

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

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Instrument :

BNA_M

ClientSampleId :

F5A01DL

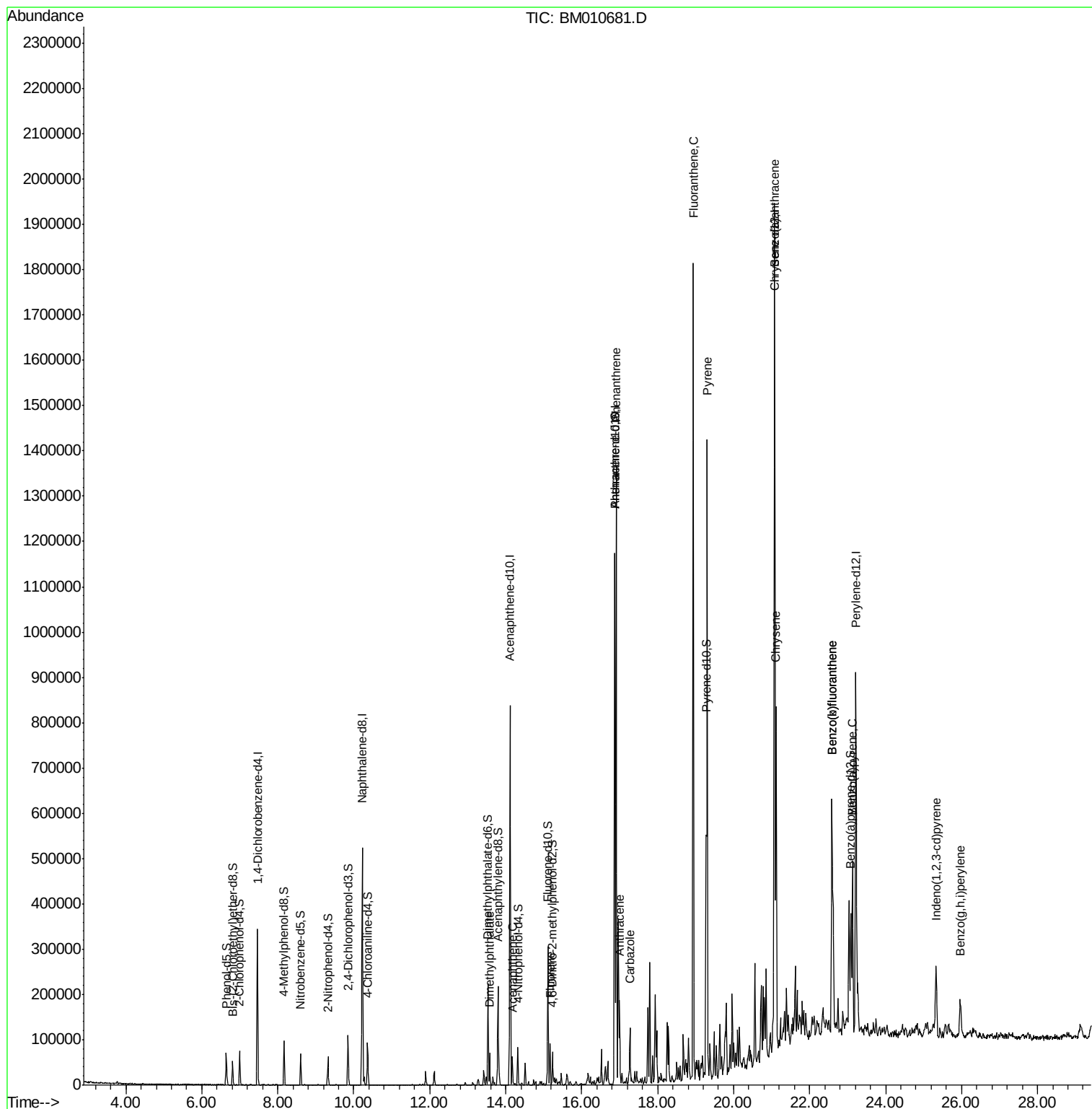
Quant Time: Jun 23 05:11:22 2017

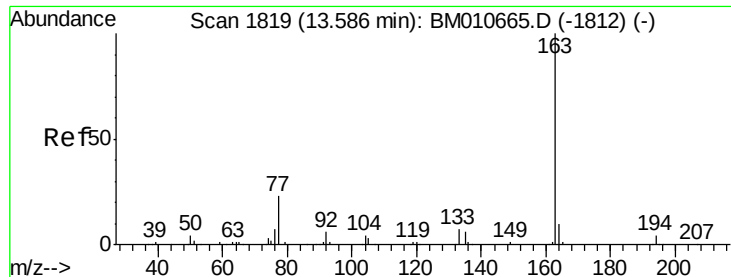
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri Jun 23 05:06:10 2017

Response via : Initial Calibration





#44

Dimethylphthalate

Concen: 1.81 ng/ul

RT: 13.58 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BM010681.D

Acq: 23 Jun 2017 03:56

Instrument :

BNA_M

ClientSampleId :

F5A01DL

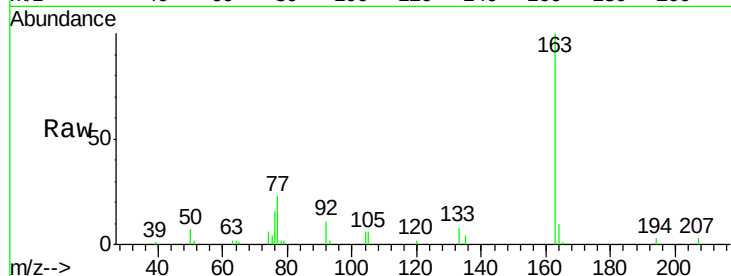
Tgt Ion:163 Resp: 40846

Ion Ratio Lower Upper

163 100

194 3.2 3.5 5.3#

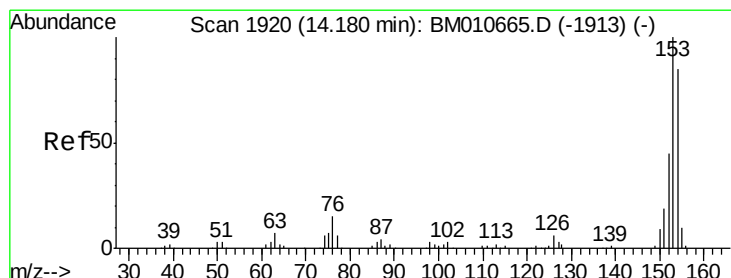
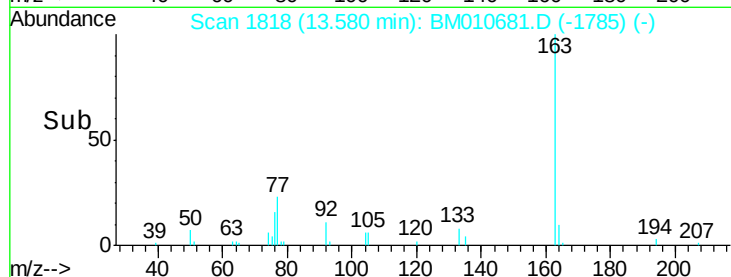
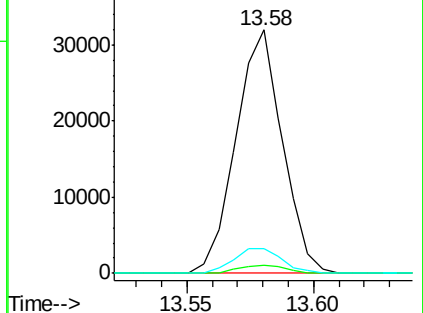
164 10.0 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#49

Acenaphthene

Concen: 1.54 ng/ul

RT: 14.17 min Scan# 1919

Delta R.T. -0.01 min

Lab File: BM010681.D

Acq: 23 Jun 2017 03:56

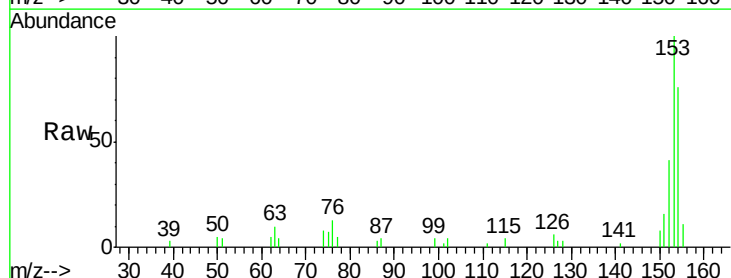
Tgt Ion:153 Resp: 26426

Ion Ratio Lower Upper

153 100

152 41.1 37.6 56.4

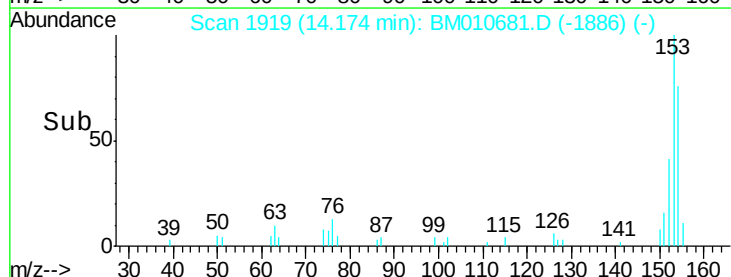
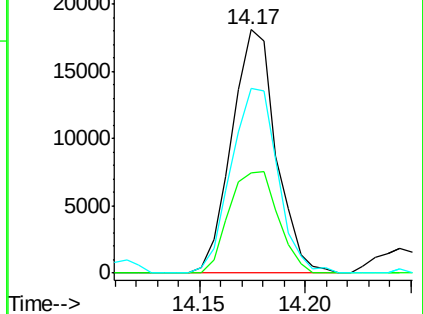
154 75.8 70.4 105.6

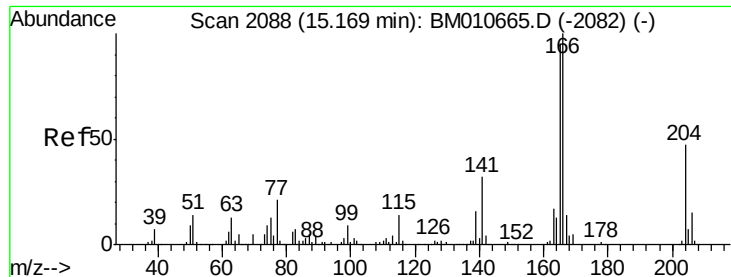


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#58

Fluorene

Concen: 1.60 ng/ul

RT: 15.17 min Scan# 2088

Delta R.T. -0.00 min

Lab File: BM010681.D

Acq: 23 Jun 2017 03:56

Instrument :

BNA_M

ClientSampleId :

F5A01DL

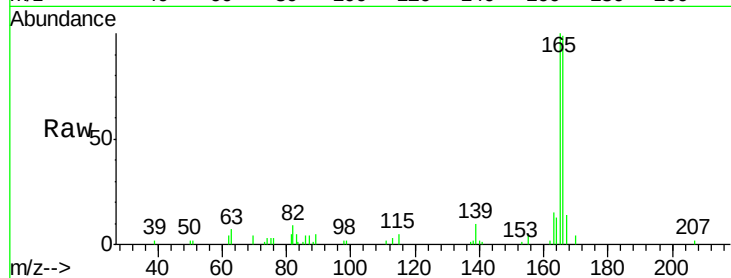
Tgt Ion:166 Resp: 34976

Ion Ratio Lower Upper

166 100

165 101.1 77.9 116.9

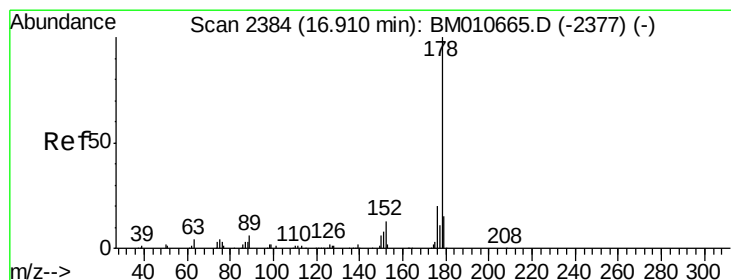
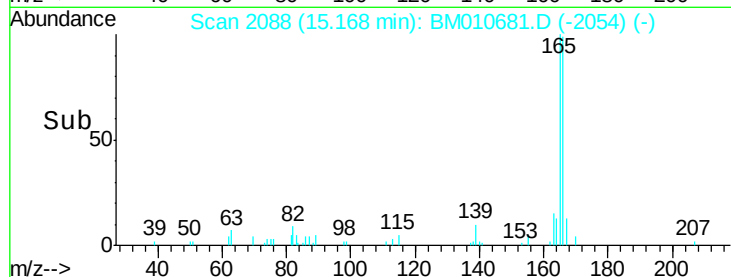
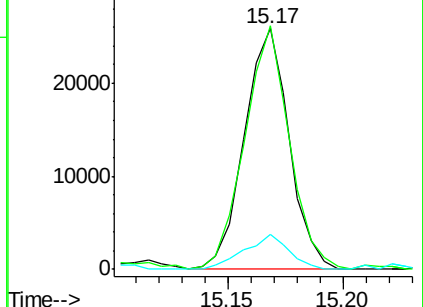
167 14.5 10.6 16.0



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



#69

Phenanthrene

Concen: 21.27 ng/ul

RT: 16.91 min Scan# 2384

Delta R.T. -0.00 min

Lab File: BM010681.D

Acq: 23 Jun 2017 03:56

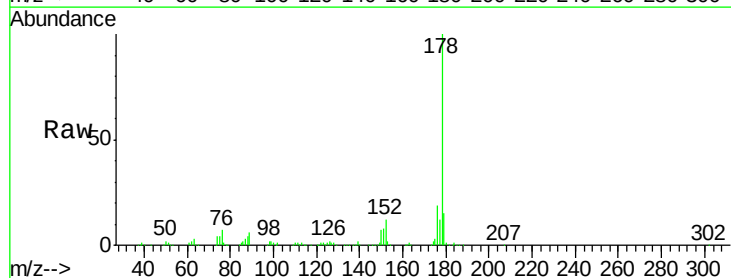
Tgt Ion:178 Resp: 722750

Ion Ratio Lower Upper

178 100

179 15.1 12.6 19.0

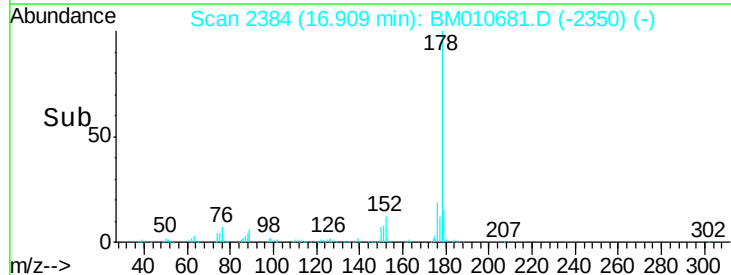
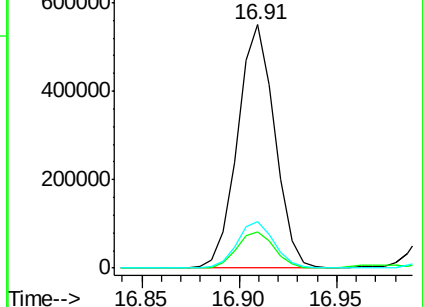
176 19.2 14.9 22.3

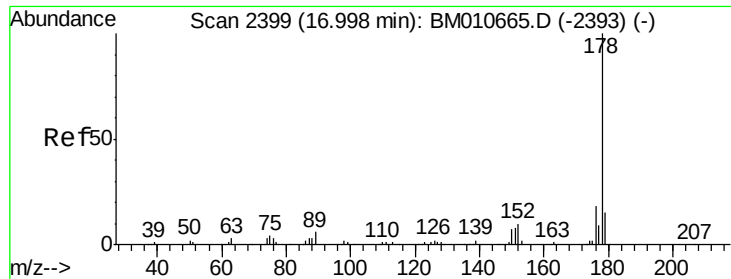


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 3.03 ng/ul

RT: 17.00 min Scan# 2399

Delta R.T. -0.00 min

Lab File: BM010681.D

Acq: 23 Jun 2017 03:56

Instrument :

BNA_M

ClientSampleId :

F5A01DL

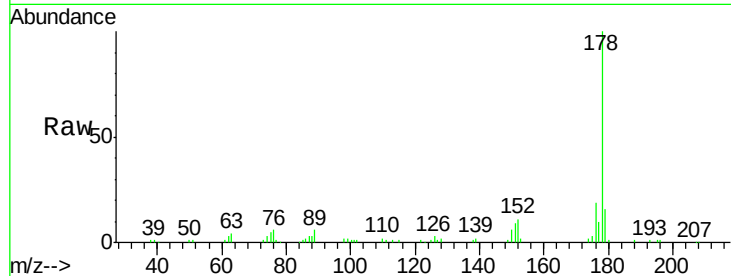
Tgt Ion:178 Resp: 106079

Ion Ratio Lower Upper

178 100

179 16.4 11.7 17.5

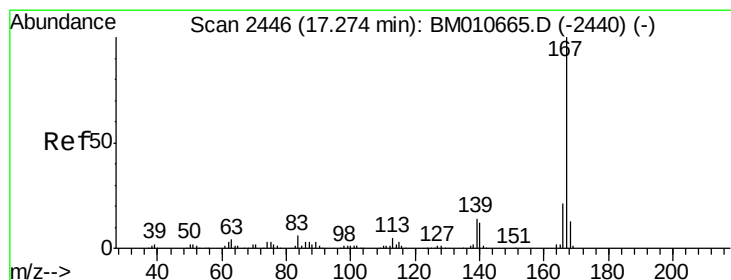
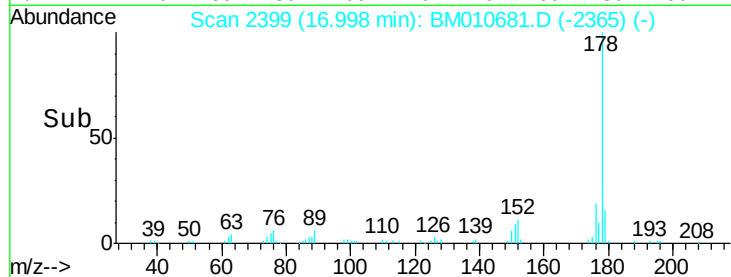
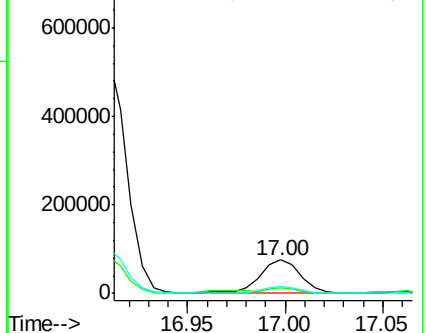
176 19.1 14.6 21.8



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



#72

Carbazole

Concen: 2.25 ng/ul

RT: 17.27 min Scan# 2446

Delta R.T. -0.00 min

Lab File: BM010681.D

Acq: 23 Jun 2017 03:56

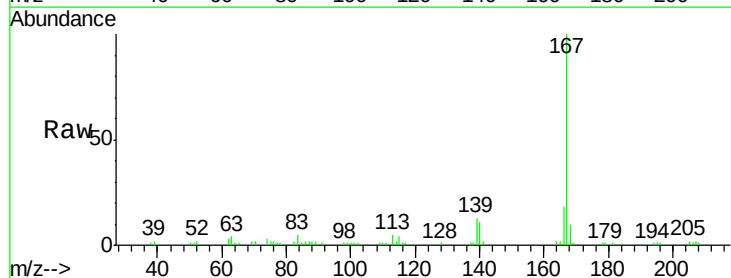
Tgt Ion:167 Resp: 68715

Ion Ratio Lower Upper

167 100

166 18.2 17.1 25.7

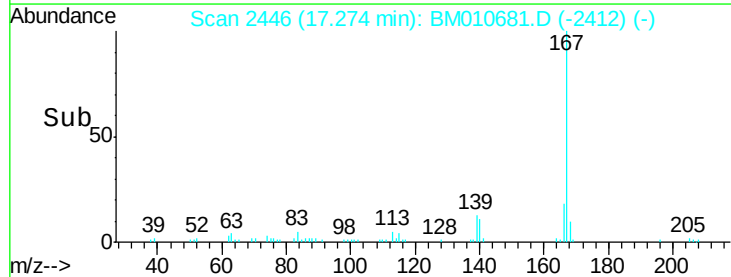
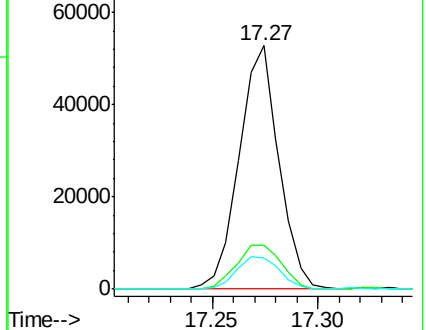
139 12.9 10.0 15.0

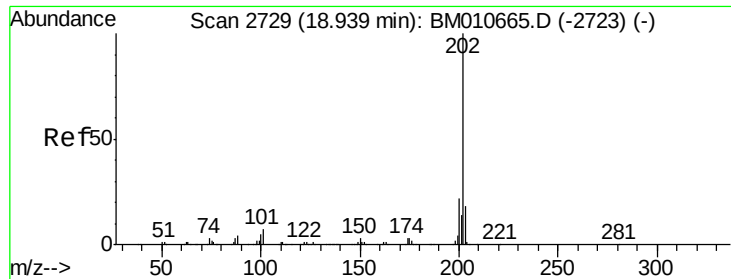


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 22.89 ng/ul

RT: 18.94 min Scan# 2729

Delta R.T. -0.00 min

Lab File: BM010681.D

Acq: 23 Jun 2017 03:56

Instrument :

BNA_M

ClientSampleId :

F5A01DL

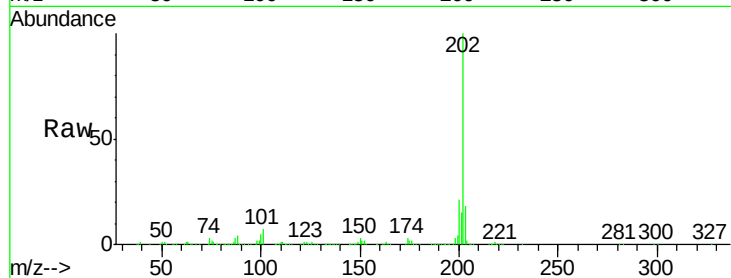
Tgt Ion:202 Resp: 1002418

Ion Ratio Lower Upper

202 100

101 6.9 4.6 7.0

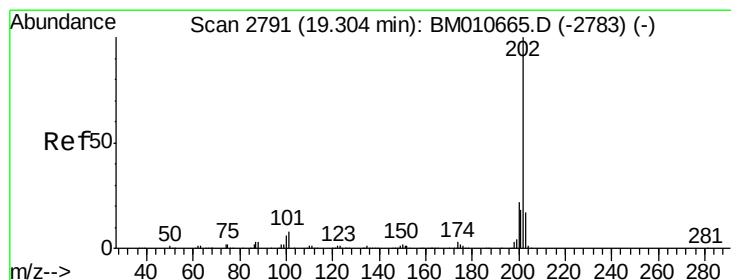
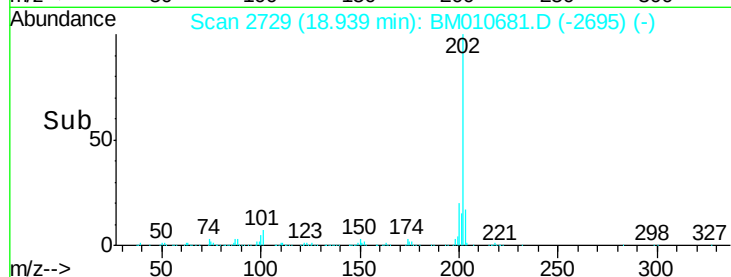
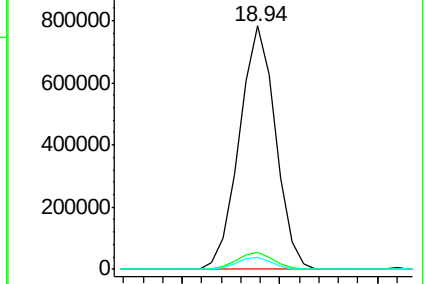
100 4.9 3.4 5.2



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



#77

Pyrene

Concen: 20.13 ng/ul

RT: 19.30 min Scan# 2791

Delta R.T. -0.00 min

Lab File: BM010681.D

Acq: 23 Jun 2017 03:56

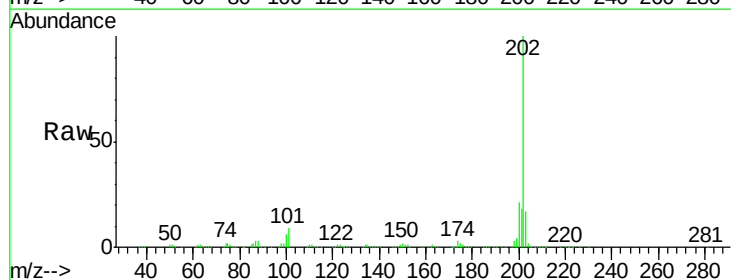
Tgt Ion:202 Resp: 822586

Ion Ratio Lower Upper

202 100

101 8.8 5.1 7.7#

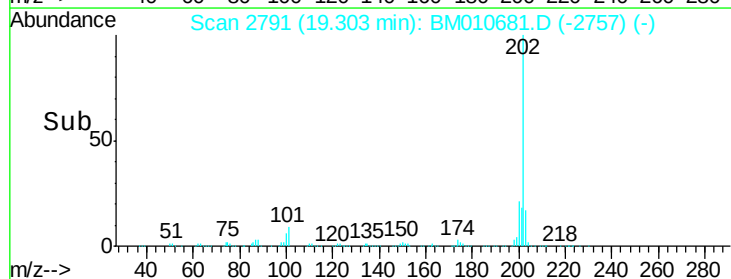
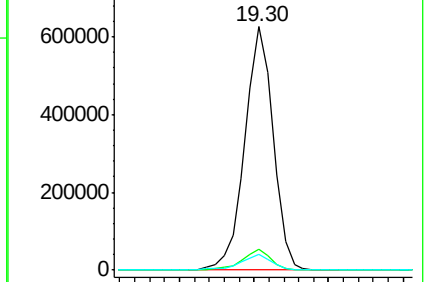
100 6.2 4.9 7.3

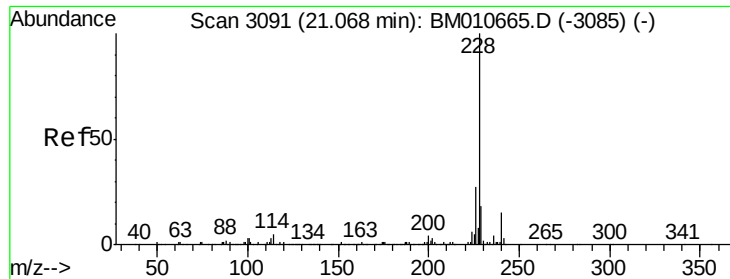


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

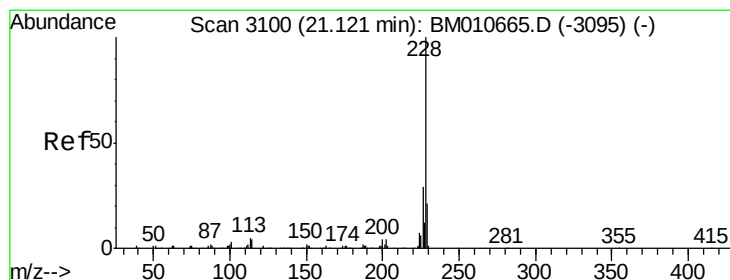
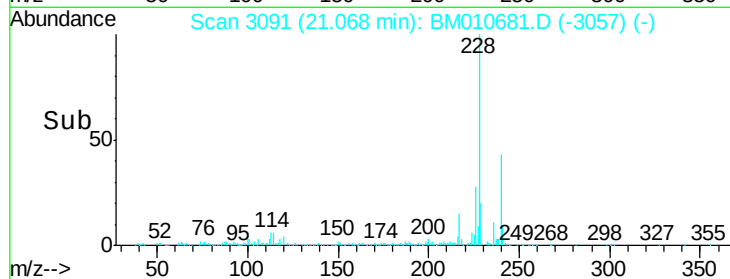
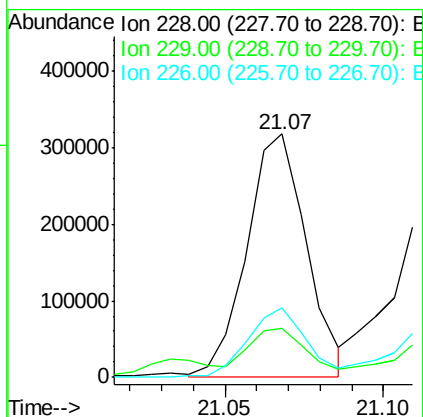
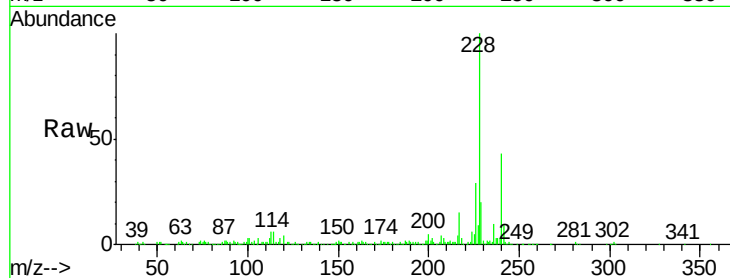




#80
Benzo(a)anthracene
Concen: 10.02 ng/ul
RT: 21.07 min Scan# 3091
Delta R.T. -0.00 min
Lab File: BM010681.D
Acq: 23 Jun 2017 03:56

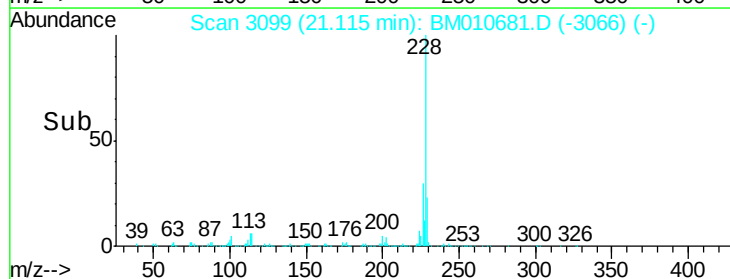
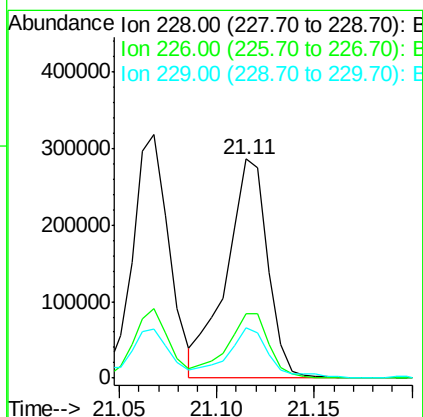
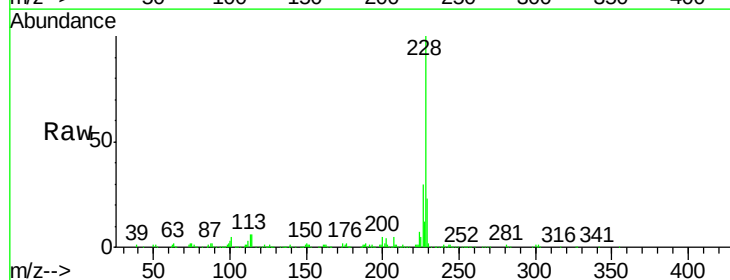
Instrument :
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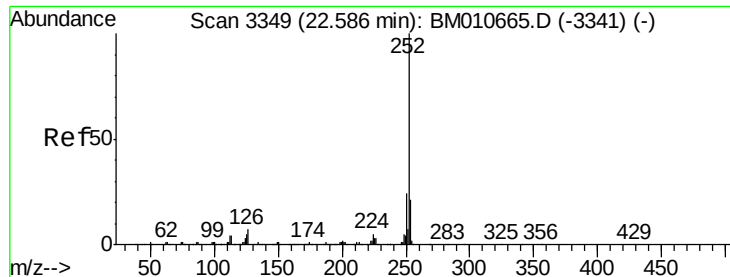
Tgt Ion:228 Resp: 412920
Ion Ratio Lower Upper
228 100
229 20.4 15.4 23.0
226 28.6 21.4 32.0



#82
Chrysene
Concen: 11.42 ng/ul
RT: 21.11 min Scan# 3099
Delta R.T. -0.01 min
Lab File: BM010681.D
Acq: 23 Jun 2017 03:56

Tgt Ion:228 Resp: 419638
Ion Ratio Lower Upper
228 100
226 29.7 23.4 35.2
229 22.9 15.5 23.3





#85

Benzo(b)fluoranthene

Concen: 12.36 ng/ul

RT: 22.59 min Scan# 3349

Delta R.T. -0.00 min

Lab File: BM010681.D

Acq: 23 Jun 2017 03:56

Instrument :

BNA_M

ClientSampleId :

F5A01DL

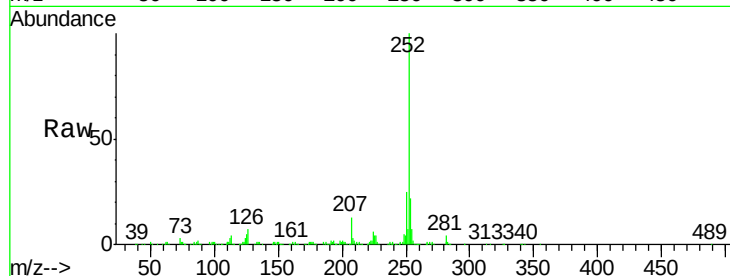
Tgt Ion:252 Resp: 436132

Ion Ratio Lower Upper

252 100

253 22.4 17.9 26.9

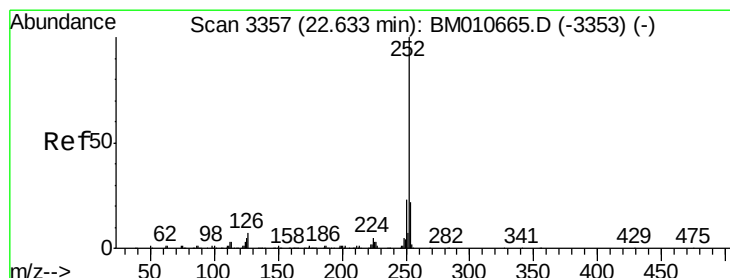
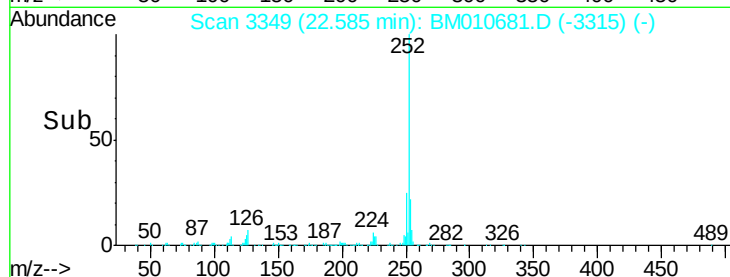
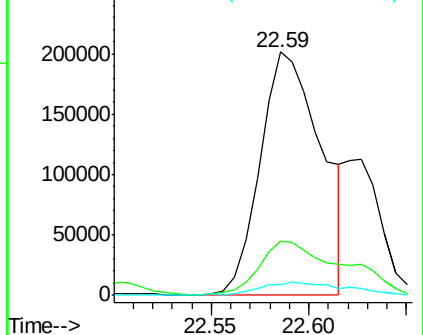
125 4.5 3.6 5.4



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



#86

Benzo(k)fluoranthene

Concen: 13.04 ng/ul

RT: 22.59 min Scan# 3349

Delta R.T. -0.05 min

Lab File: BM010681.D

Acq: 23 Jun 2017 03:56

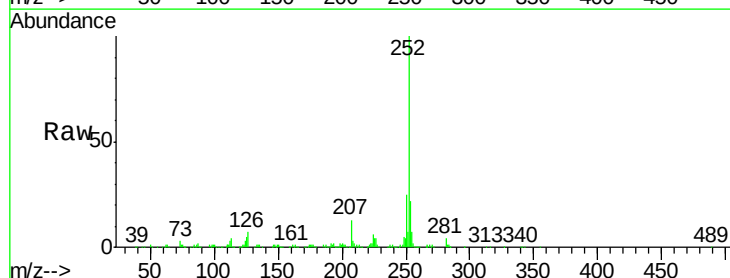
Tgt Ion:252 Resp: 436132

Ion Ratio Lower Upper

252 100

253 22.4 17.1 25.7

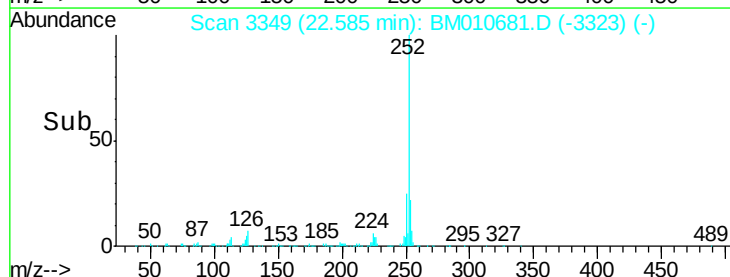
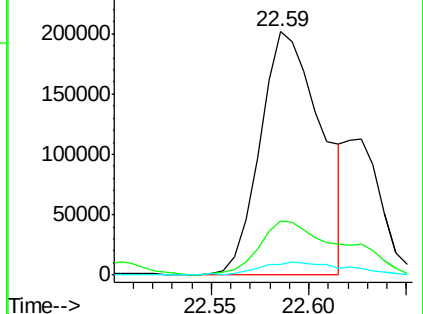
125 4.5 3.4 5.2

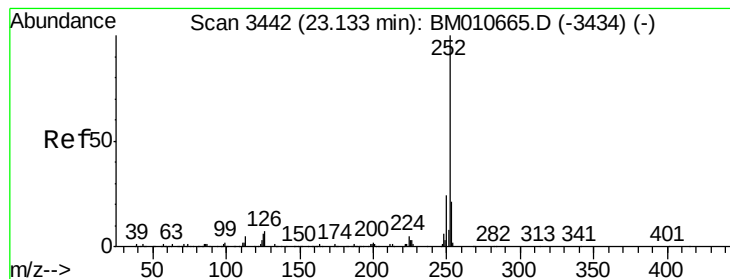


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 8.06 ng/ul

RT: 23.13 min Scan# 3441

Delta R.T. -0.01 min

Lab File: BM010681.D

Acq: 23 Jun 2017 03:56

Instrument :

BNA_M

ClientSampleId :

F5A01DL

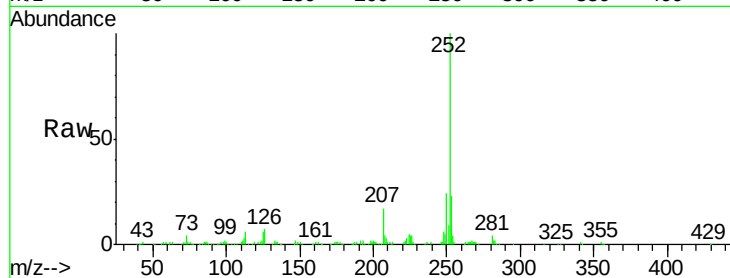
Tgt Ion: 252 Resp: 261841

Ion Ratio Lower Upper

252 100

253 22.5 18.2 27.2

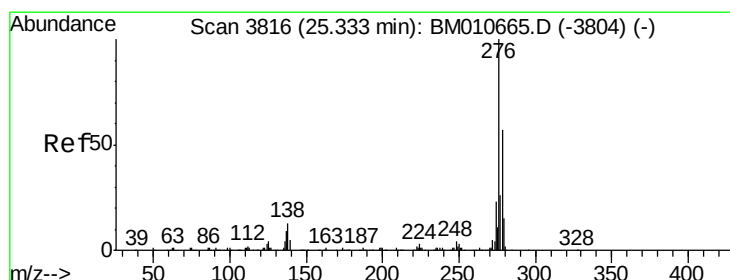
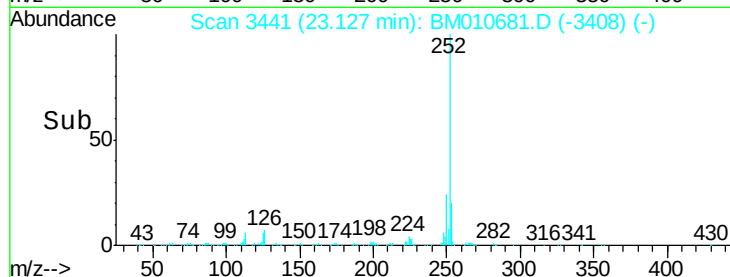
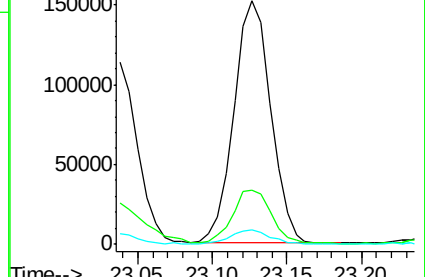
125 5.7 4.0 6.0



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 4.21 ng/ul

RT: 25.33 min Scan# 3815

Delta R.T. -0.01 min

Lab File: BM010681.D

Acq: 23 Jun 2017 03:56

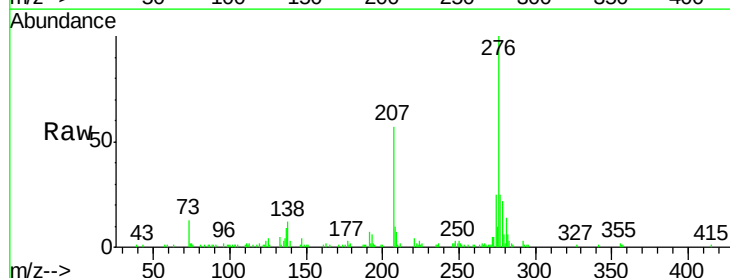
Tgt Ion: 276 Resp: 141931

Ion Ratio Lower Upper

276 100

138 11.7 9.3 13.9

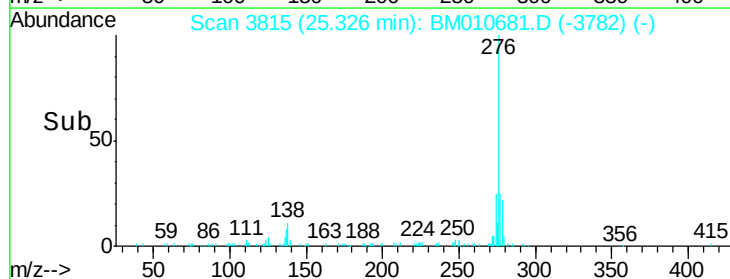
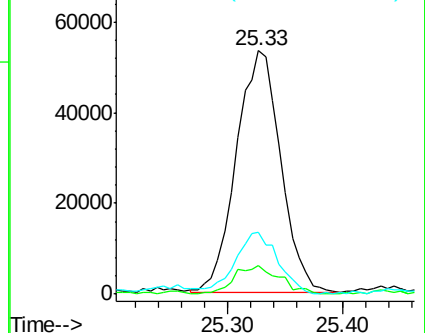
277 25.3 19.9 29.9

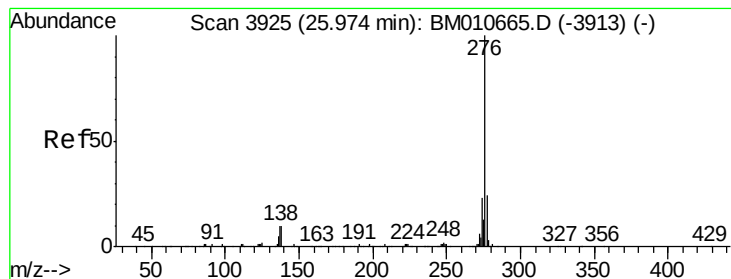


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#91

Benzo(g,h,i)perylene

Concen: 3.84 ng/ul

RT: 25.98 min Scan# 3926

Delta R.T. 0.01 min

Lab File: BM010681.D

Acq: 23 Jun 2017 03:56

Instrument :

BNA_M

ClientSampleId :

F5A01DL

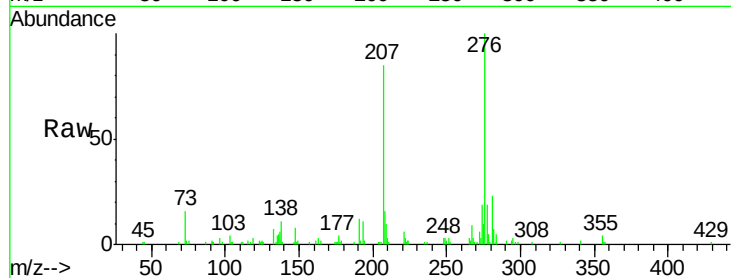
Tgt Ion: 276 Resp: 102860

Ion Ratio Lower Upper

276 100

138 10.7 8.5 12.7

277 18.8 18.6 28.0



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

