

Data File : BM010676.D
Acq On : 23 Jun 2017 00:57
Operator : SJ/JU
Sample : I3625-11 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5D15

Quant Time: Jun 23 05:10:00 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	74963	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	344224	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.11	164	248026	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	610726	20.00	ng/ul	0.00
75) Chrysene-d12	21.08	240	664371	20.00	ng/ul	0.00
83) Perylene-d12	23.22	264	540413	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.08	96	365	0.28	ng/uL	0.00
5) Phenol-d5	6.65	99	19135	2.68	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.82	67	10824	2.66	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	15154	3.02	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	16091	2.72	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	7072	2.88	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	7801	2.76	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	18138	3.04	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	20276	3.23	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	74461	3.42	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	70646	2.79	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	12916	3.37	ng/ul	0.00
57) Fluorene-d10	15.11	176	63119	3.35	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	13379	3.57	ng/ul	0.00
70) Anthracene-d10	16.87	188	610726	20.71	ng/ul	-0.10
76) Pyrene-d10	19.27	212	219162	7.10	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.09	264	187878	7.19	ng/ul	0.00

Target Compounds						Qvalue
69) Phenanthrene	16.91	178	76805	2.37	ng/ul	98
71) Anthracene	16.91	178	76805	2.30	ng/ul	99
74) Fluoranthene	18.94	202	365271	8.73	ng/ul	98
77) Pyrene	19.30	202	355395	9.26	ng/ul	98
80) Benzo(a)anthracene	21.07	228	241631	6.25	ng/ul	99
82) Chrysene	21.12	228	234672	6.80	ng/ul	94
85) Benzo(b)fluoranthene	22.59	252	310176	8.84	ng/ul	97
86) Benzo(k)fluoranthene	22.59	252	310176	9.33	ng/ul	96
88) Benzo(a)pyrene	23.13	252	197767	6.12	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	25.33	276	112825	3.37	ng/ul#	96
90) Dibenzo(a,h)anthracene	25.34	278	33383	1.20	ng/ul#	89
91) Benzo(g,h,i)perylene	25.97	276	94570	3.55	ng/ul	98

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

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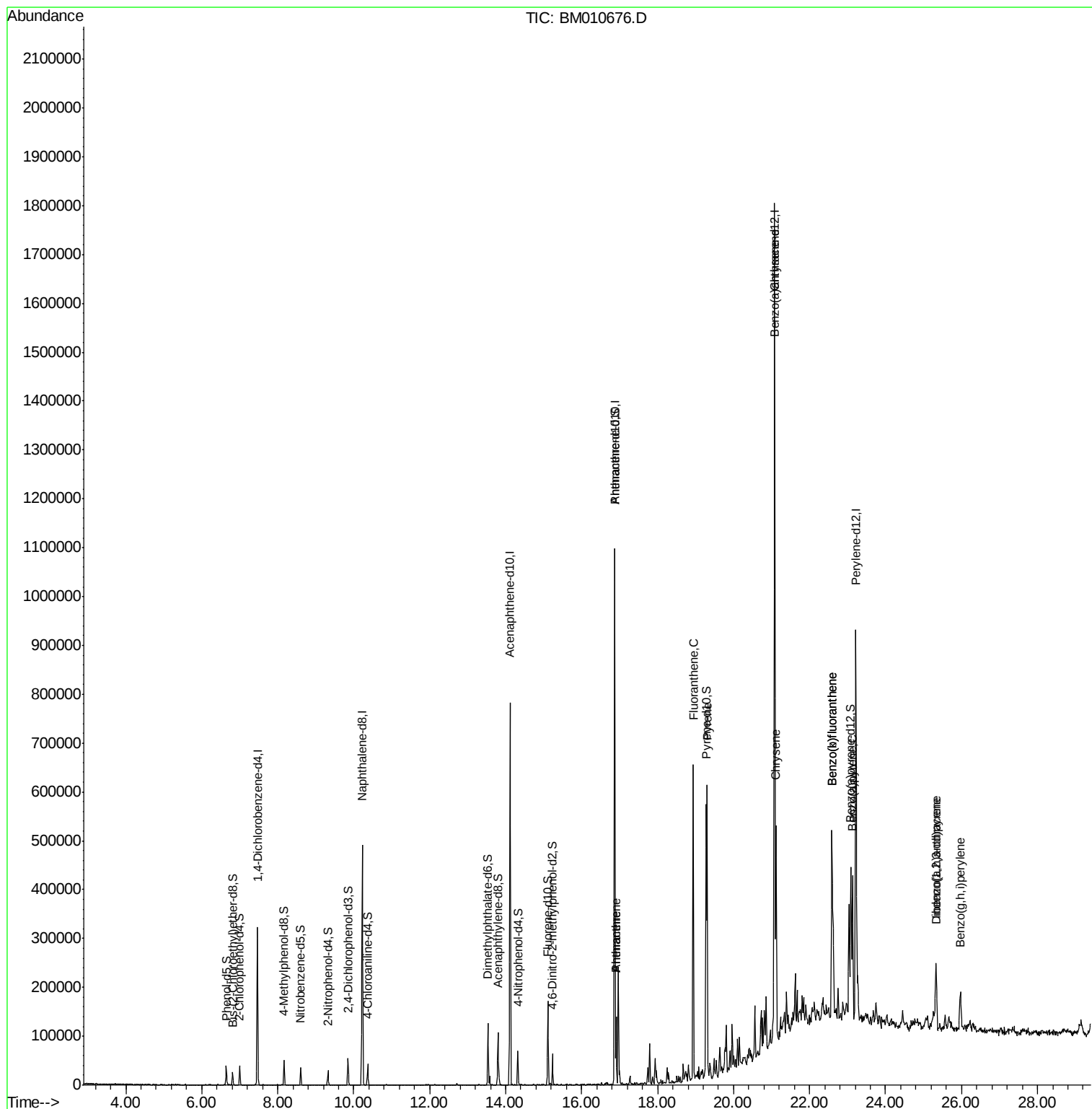
Quant Time: Jun 23 05:10:00 2017

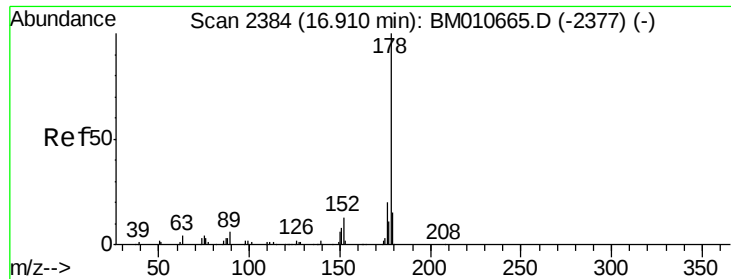
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M

Quant Title : SVOA CALIBRATION

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

Response via : Initial Calibration





#69

Phenanthrene

Concen: 2.37 ng/ul

RT: 16.91 min Scan# 2384

Delta R.T. 0.00 min

Lab File: BM010676.D

Acq: 23 Jun 2017 00:57

Instrument :

BNA_M

ClientSampleId :

F5D15

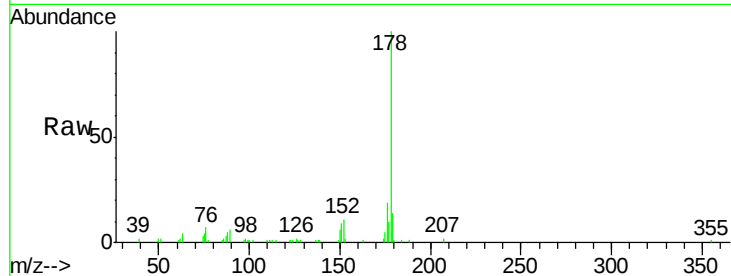
Tgt Ion:178 Resp: 76805

Ion Ratio Lower Upper

178 100

179 14.5 12.6 19.0

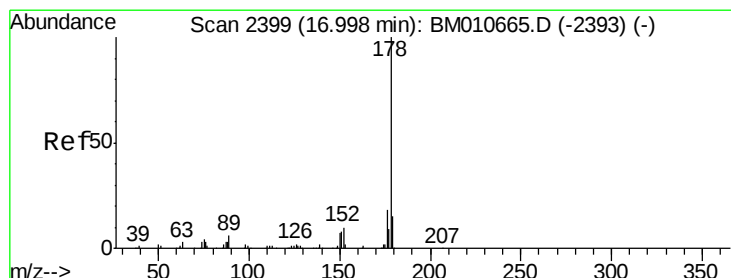
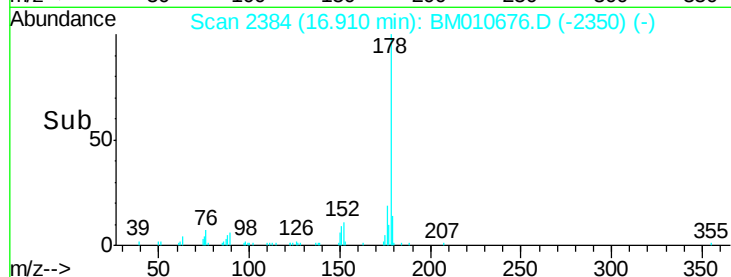
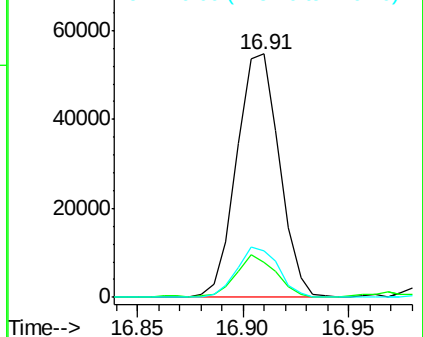
176 19.3 14.9 22.3



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: 2.30 ng/ul

RT: 16.91 min Scan# 2384

Delta R.T. -0.09 min

Lab File: BM010676.D

Acq: 23 Jun 2017 00:57

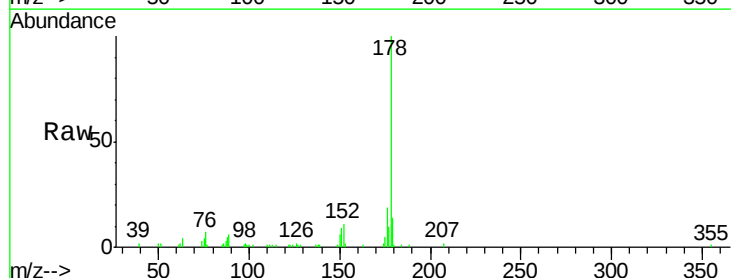
Tgt Ion:178 Resp: 76805

Ion Ratio Lower Upper

178 100

179 14.5 11.7 17.5

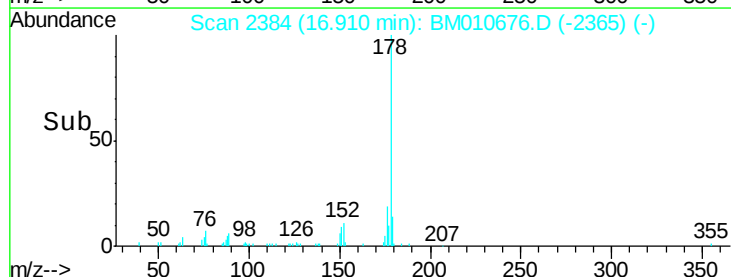
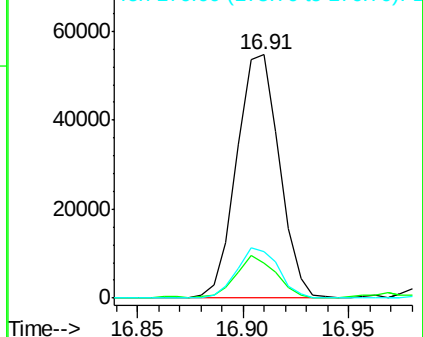
176 19.3 14.6 21.8

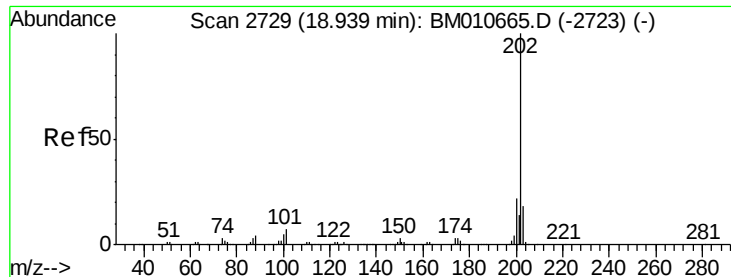


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 8.73 ng/ul

RT: 18.94 min Scan# 2729

Delta R.T. 0.00 min

Lab File: BM010676.D

Acq: 23 Jun 2017 00:57

Instrument :

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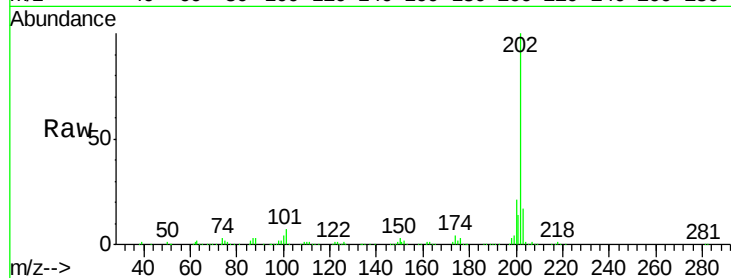
Tgt Ion:202 Resp: 365271

Ion Ratio Lower Upper

202 100

101 6.8 4.6 7.0

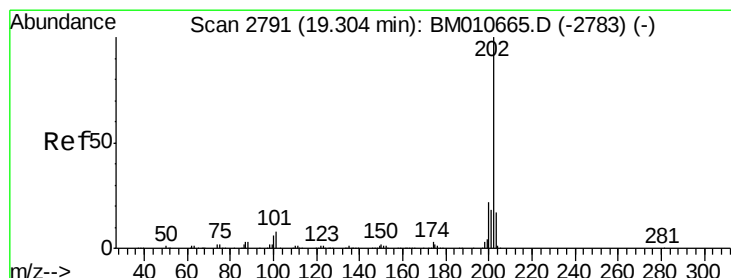
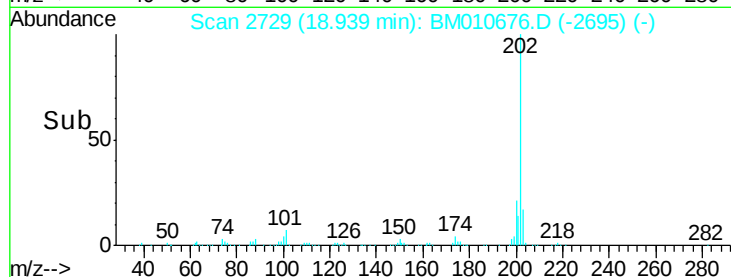
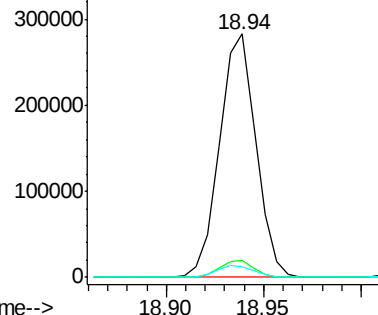
100 4.3 3.4 5.2



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: 9.26 ng/ul

RT: 19.30 min Scan# 2791

Delta R.T. 0.00 min

Lab File: BM010676.D

Acq: 23 Jun 2017 00:57

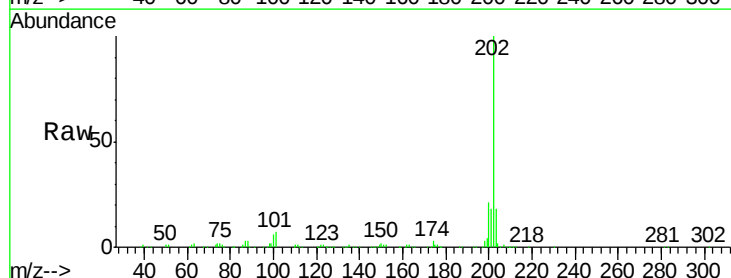
Tgt Ion:202 Resp: 355395

Ion Ratio Lower Upper

202 100

101 7.3 5.1 7.7

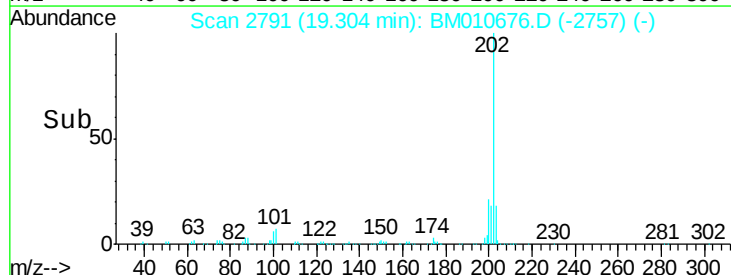
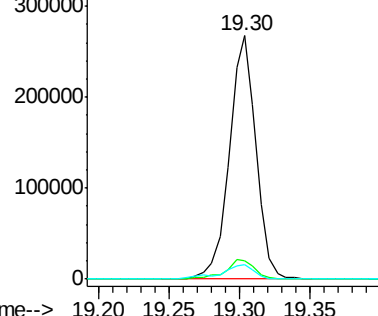
100 5.7 4.9 7.3

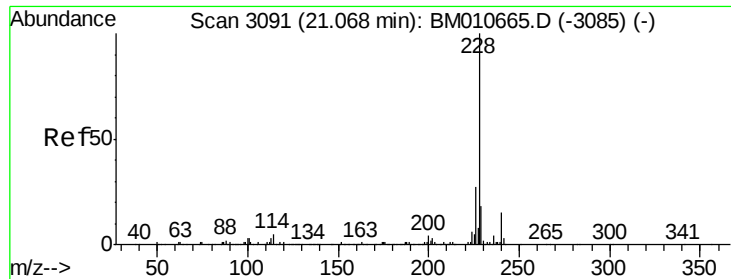


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

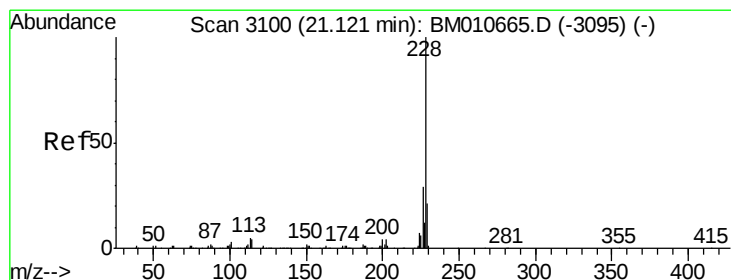
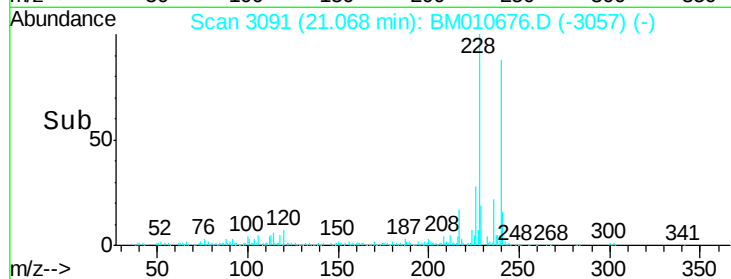
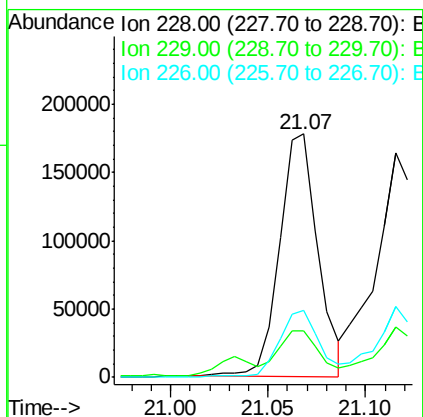
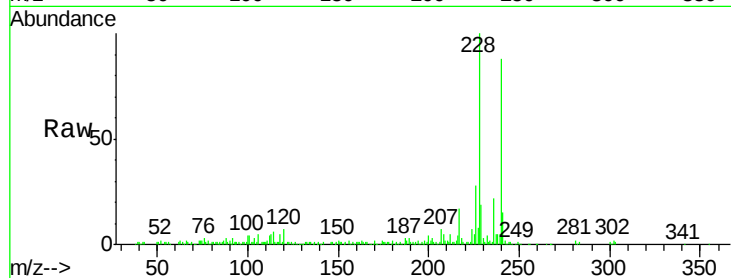




#80
Benzo(a)anthracene
Concen: 6.25 ng/ul
RT: 21.07 min Scan# 3091
Delta R.T. 0.00 min
Lab File: BM010676.D
Acq: 23 Jun 2017 00:57

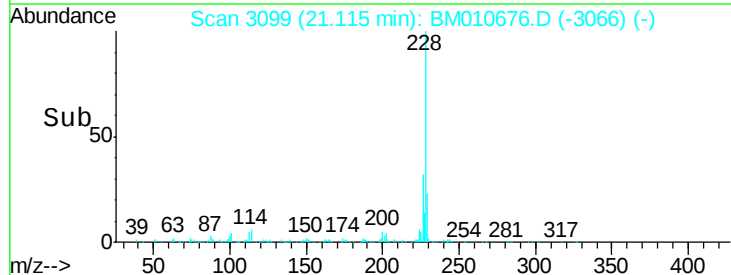
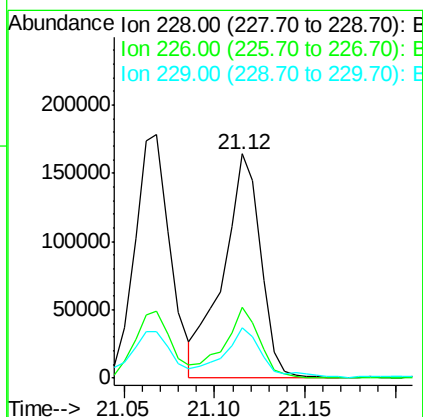
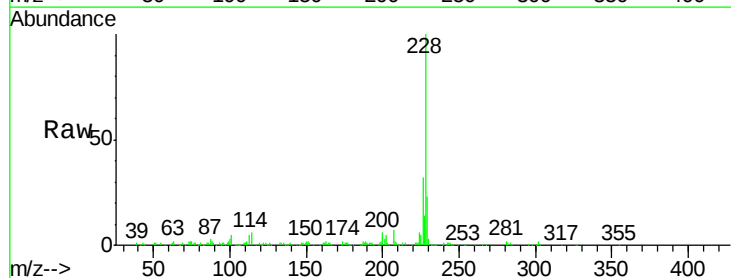
Instrument :
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F5D15

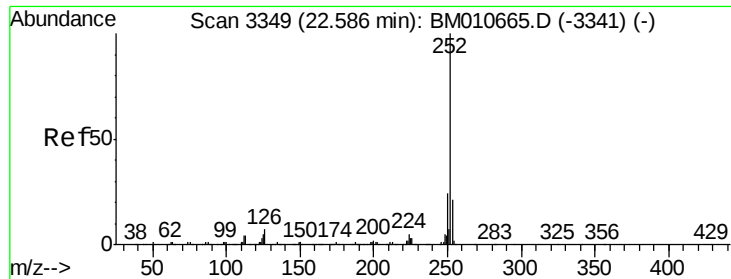
Tgt Ion:228 Resp: 241631
Ion Ratio Lower Upper
228 100
229 19.3 15.4 23.0
226 27.7 21.4 32.0



#82
Chrysene
Concen: 6.80 ng/ul
RT: 21.12 min Scan# 3099
Delta R.T. -0.01 min
Lab File: BM010676.D
Acq: 23 Jun 2017 00:57

Tgt Ion:228 Resp: 234672
Ion Ratio Lower Upper
228 100
226 31.9 23.4 35.2
229 22.7 15.5 23.3

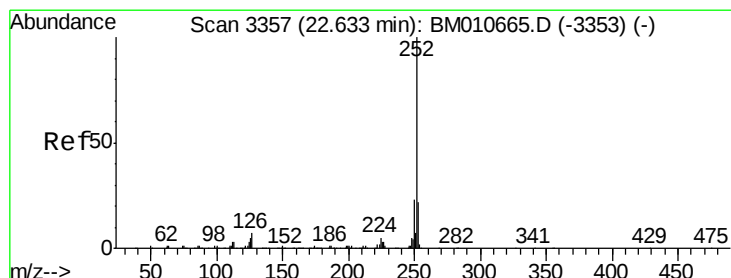
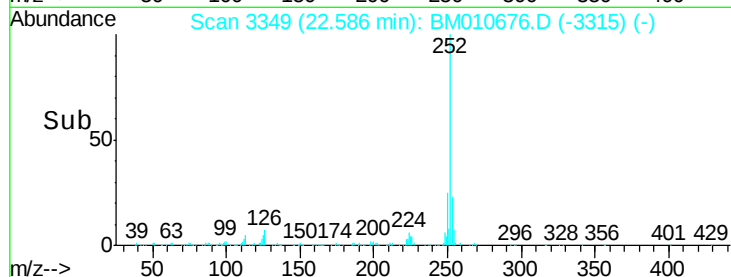
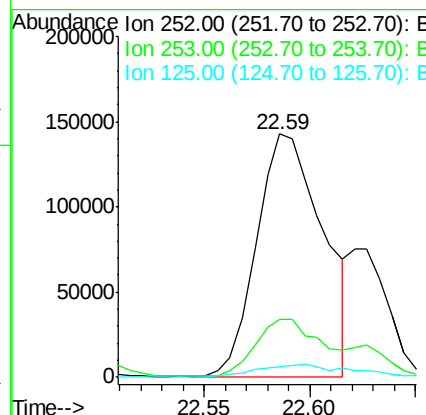
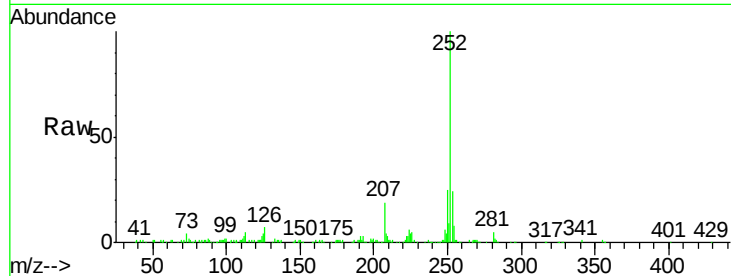




#85
Benzo(b)fluoranthene
Concen: 8.84 ng/ul
RT: 22.59 min Scan# 3349
Delta R.T. 0.00 min
Lab File: BM010676.D
Acq: 23 Jun 2017 00:57

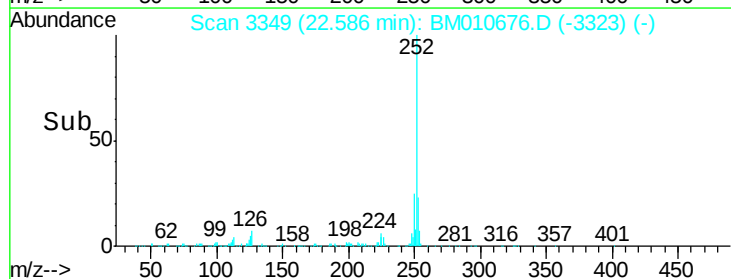
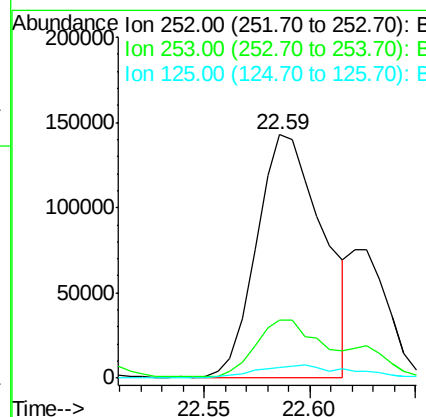
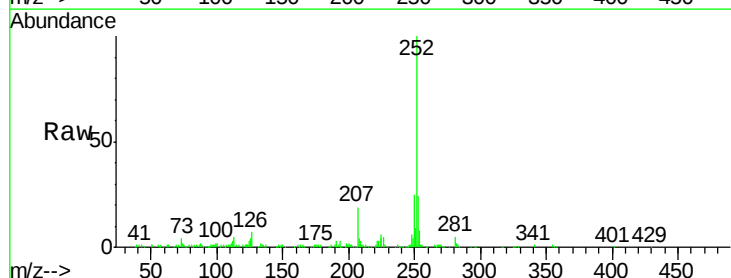
Instrument :
BNA_M
ClientSampleId :
F5D15

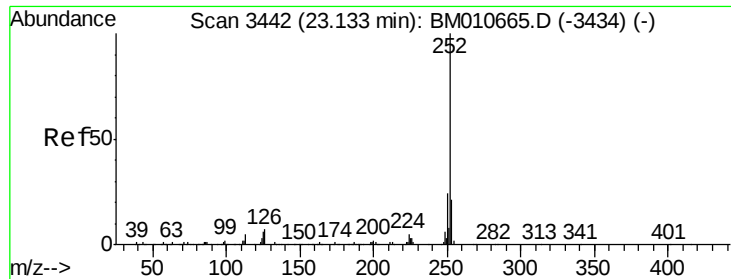
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	4.5	3.6	5.4



#86
Benzo(k)fluoranthene
Concen: 9.33 ng/ul
RT: 22.59 min Scan# 3349
Delta R.T. -0.05 min
Lab File: BM010676.D
Acq: 23 Jun 2017 00:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	4.5	3.4	5.2





#88

Benzo(a)pyrene

Concen: 6.12 ng/ul

RT: 23.13 min Scan# 3441

Delta R.T. -0.01 min

Lab File: BM010676.D

Acq: 23 Jun 2017 00:57

Instrument :

BNA_M

ClientSampleId :

F5D15

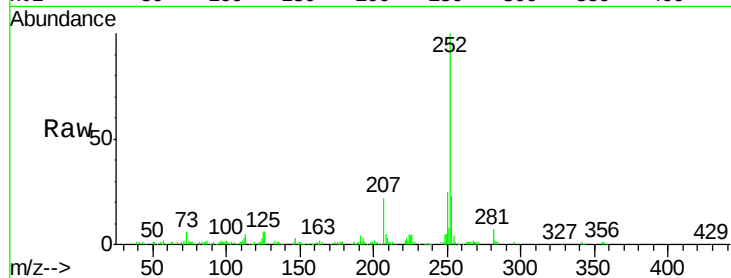
Tgt Ion:252 Resp: 197767

Ion Ratio Lower Upper

252 100

253 23.5 18.2 27.2

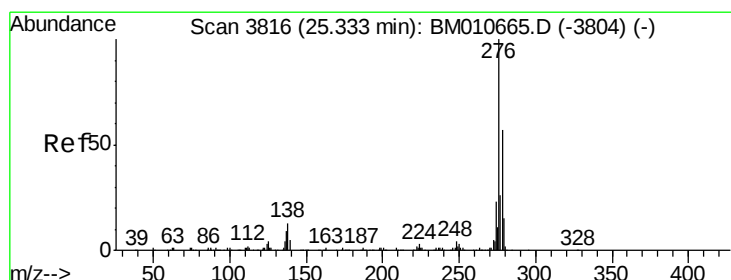
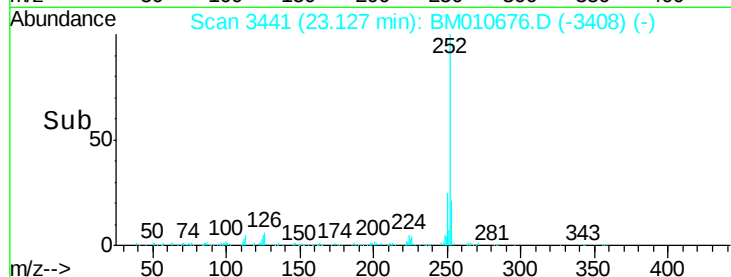
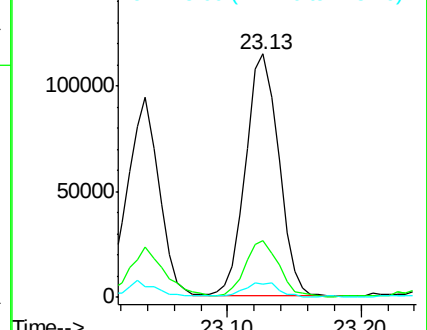
125 5.5 4.0 6.0



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: 3.37 ng/ul

RT: 25.33 min Scan# 3815

Delta R.T. -0.01 min

Lab File: BM010676.D

Acq: 23 Jun 2017 00:57

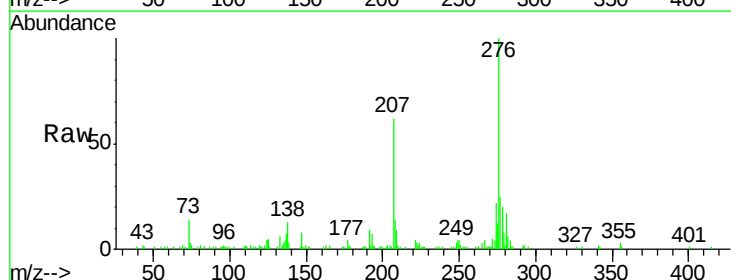
Tgt Ion:276 Resp: 112825

Ion Ratio Lower Upper

276 100

138 16.4 9.3 13.9#

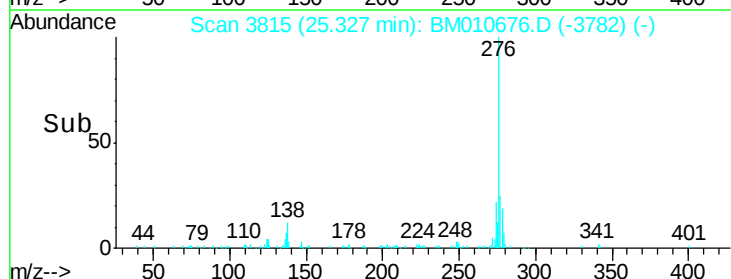
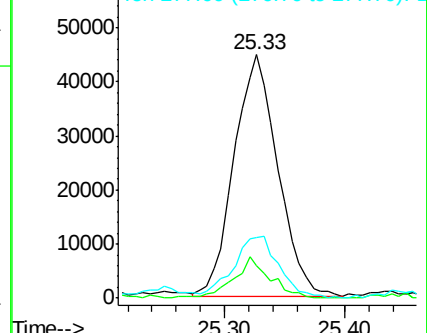
277 25.1 19.9 29.9

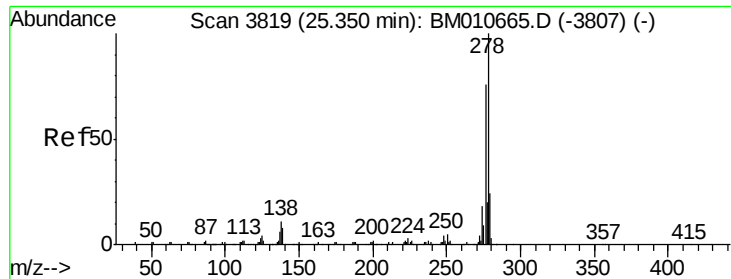


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 1.20 ng/ul

RT: 25.34 min Scan# 3817

Delta R.T. -0.01 min

Lab File: BM010676.D

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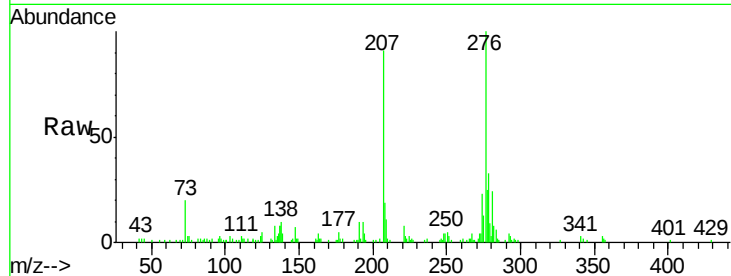
Tgt Ion:278 Resp: 33383

Ion Ratio Lower Upper

278 100

139 12.8 5.8 8.8#

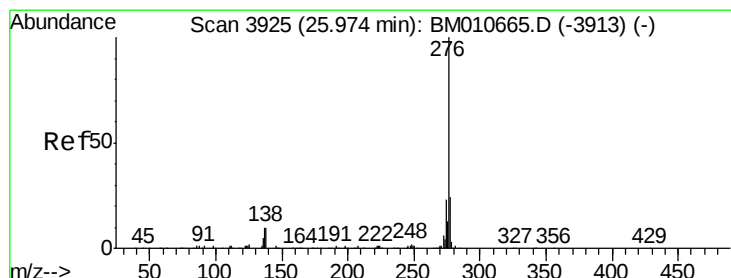
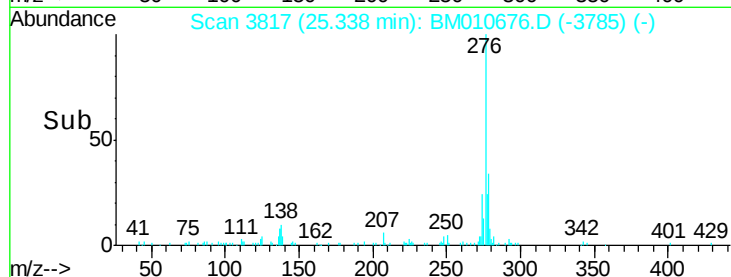
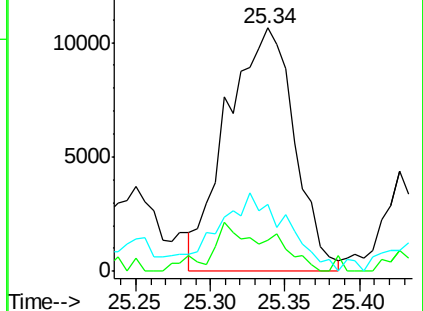
279 27.8 18.6 27.8



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



#91

Benzo(g,h,i)perylene

Concen: 3.55 ng/ul

RT: 25.97 min Scan# 3924

Delta R.T. -0.01 min

Lab File: BM010676.D

Acq: 23 Jun 2017 00:57

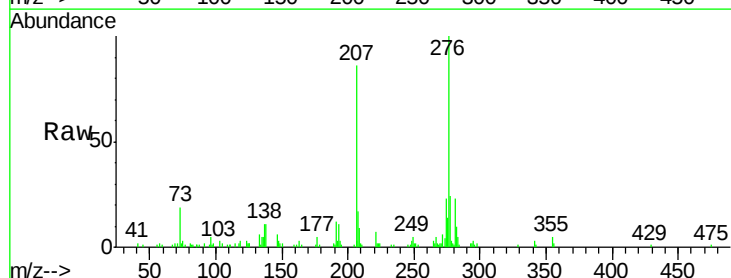
Tgt Ion:276 Resp: 94570

Ion Ratio Lower Upper

276 100

138 11.0 8.5 12.7

277 24.5 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

