

Data File : BM010735.D
Acq On : 24 Jun 2017 18:15
Operator : SJ/JU
Sample : I3627-20MEDL 100X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C49MEDL

Quant Time: Jun 26 07:58:38 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 26 04:54:47 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	71826	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	318703	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.11	164	227054	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.86	188	569733	20.00	ng/ul	0.00
75) Chrysene-d12	21.08	240	583161	20.00	ng/ul	0.00
83) Perylene-d12	23.22	264	419743	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.63	99	118	0.02	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	6.80	67	527	0.13	ng/ul	0.00
9) 2-Chlorophenol-d4	6.99	132	1084	0.23	ng/ul	-0.01
13) 4-Methylphenol-d8	8.16	113	563	0.10	ng/ul	0.00
19) Nitrobenzene-d5	0.00	128	0	0.00	ng/ul	
22) 2-Nitrophenol-d4	9.32	143	463	0.18	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	980	0.18	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	637	0.11	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	3693	0.19	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	3990	0.17	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.11	176	4440	0.26	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	16.96	188	6267	0.23	ng/ul	0.00
76) Pyrene-d10	19.27	212	6217	0.23	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.09	264	4237	0.21	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.27	128	514119	32.42	ng/ul	99
34) 2-Methylnaphthalene	11.89	142	34213	2.68	ng/ul	98
49) Acenaphthene	14.17	153	28621	1.92	ng/ul	94
53) Dibenzofuran	14.51	168	38272	1.70	ng/ul	94
58) Fluorene	15.16	166	39258	2.08	ng/ul	98
69) Phenanthrene	16.90	178	180509	5.96	ng/ul	98
71) Anthracene	16.99	178	46878	1.50	ng/ul	97
74) Fluoranthene	18.93	202	123923	3.17	ng/ul#	98
77) Pyrene	19.30	202	85508	2.54	ng/ul	100

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

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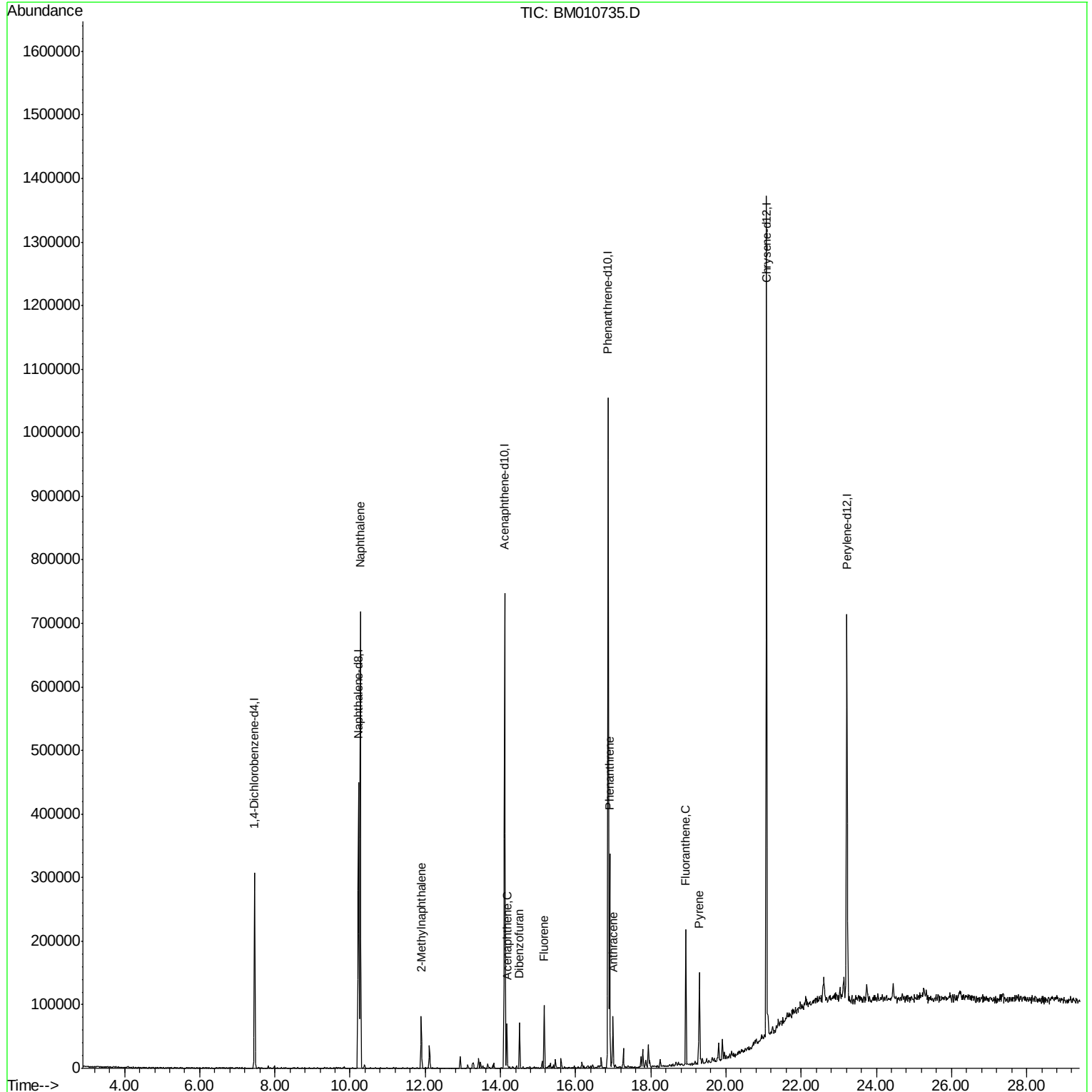
Quant Time: Jun 26 07:58:38 2017

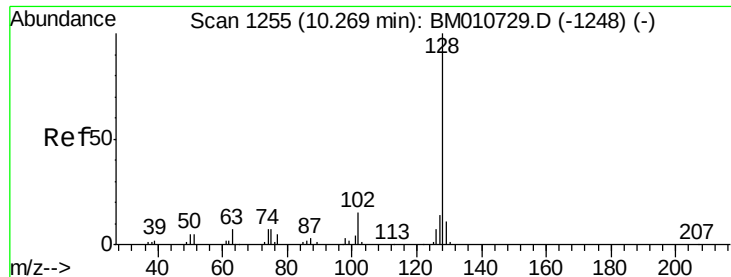
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M

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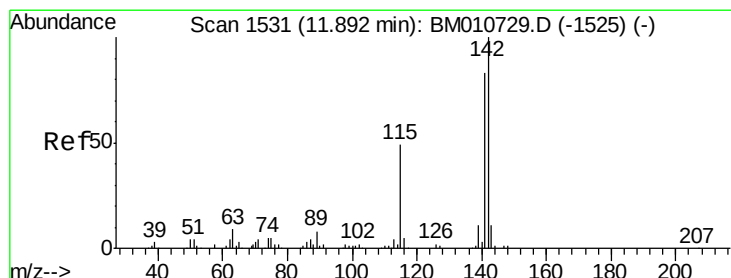
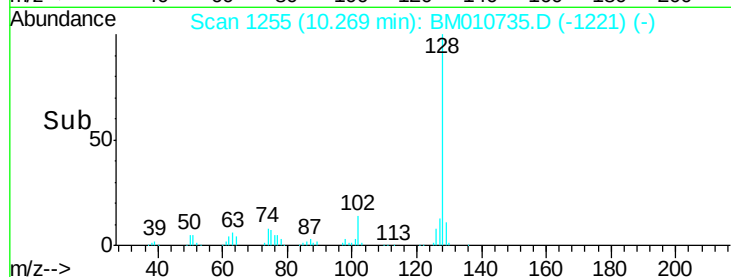
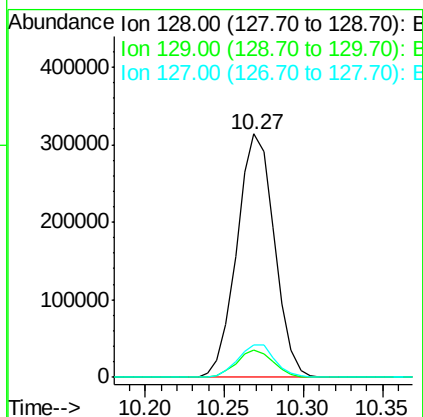
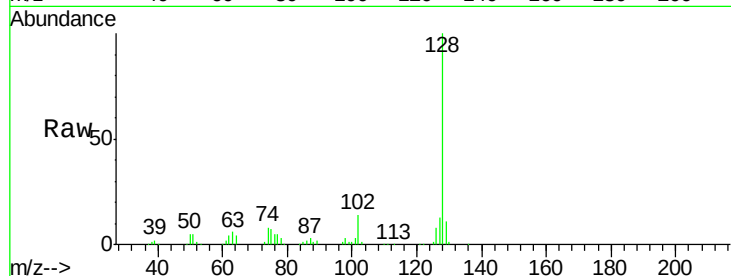




#28
Naphthalene
Concen: 32.42 ng/ul
RT: 10.27 min Scan# 1255
Delta R.T. 0.00 min
Lab File: BM010735.D
Acq: 24 Jun 2017 18:15

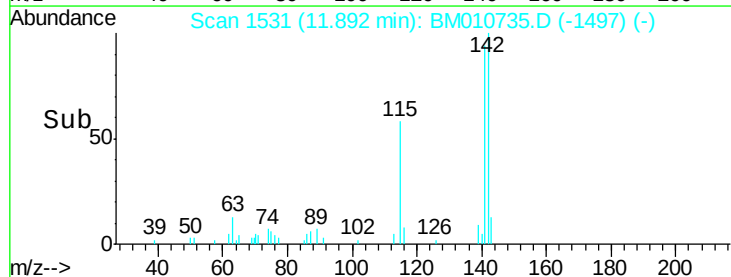
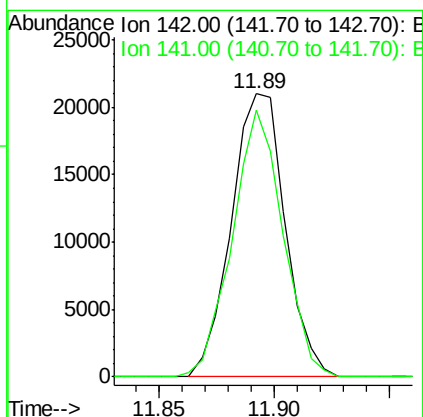
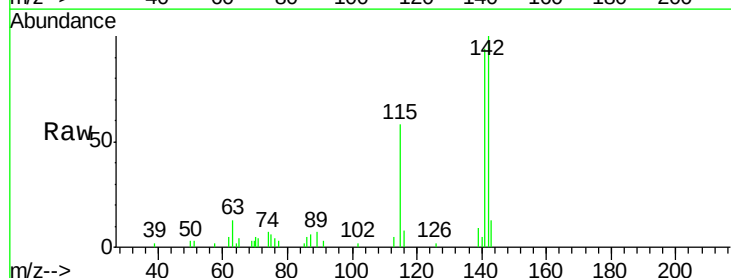
Instrument :
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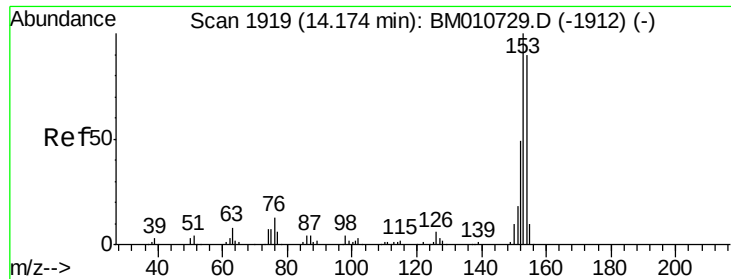
Tgt Ion:128 Resp: 514119
Ion Ratio Lower Upper
128 100
129 11.4 8.8 13.2
127 13.1 10.6 16.0



#34
2-Methylnaphthalene
Concen: 2.68 ng/ul
RT: 11.89 min Scan# 1531
Delta R.T. 0.00 min
Lab File: BM010735.D
Acq: 24 Jun 2017 18:15

Tgt Ion:142 Resp: 34213
Ion Ratio Lower Upper
142 100
141 94.3 74.1 111.1





#49

Acenaphthene

Concen: 1.92 ng/ul

RT: 14.17 min Scan# 1919

Delta R.T. 0.00 min

Lab File: BM010735.D

Acq: 24 Jun 2017 18:15

Instrument :

BNA_M

ClientSampleId :

F5C49MEDL

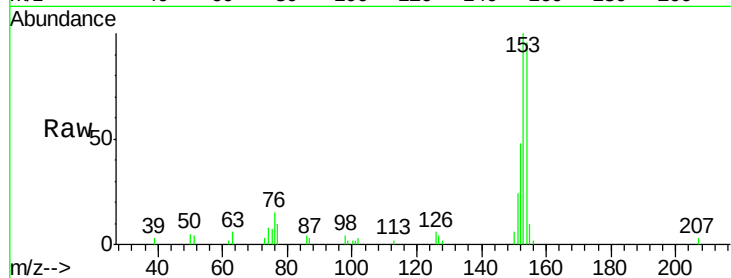
Tgt Ion:153 Resp: 28621

Ion Ratio Lower Upper

153 100

152 48.1 37.6 56.4

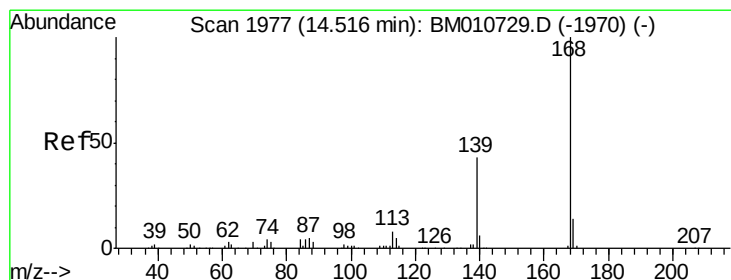
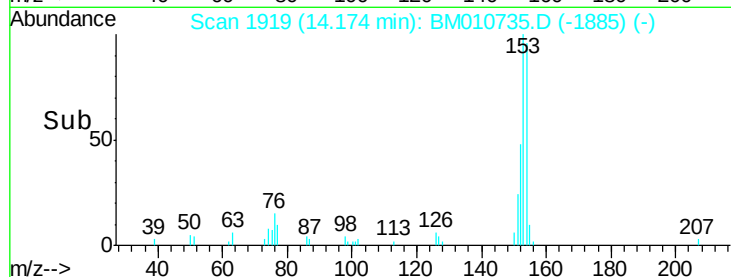
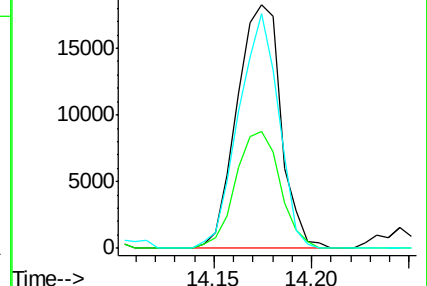
154 96.4 70.4 105.6



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



#53

Dibenzofuran

Concen: 1.70 ng/ul

RT: 14.51 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BM010735.D

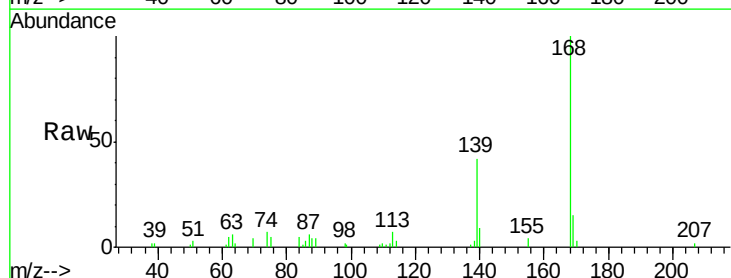
Acq: 24 Jun 2017 18:15

Tgt Ion:168 Resp: 38272

Ion Ratio Lower Upper

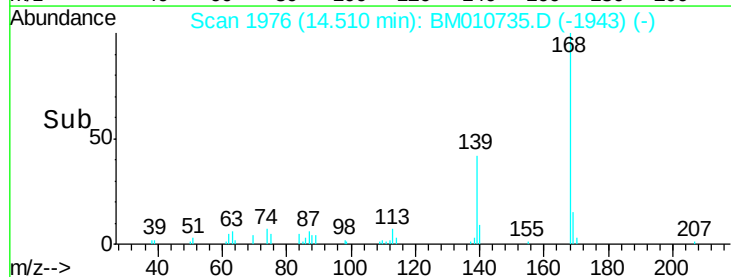
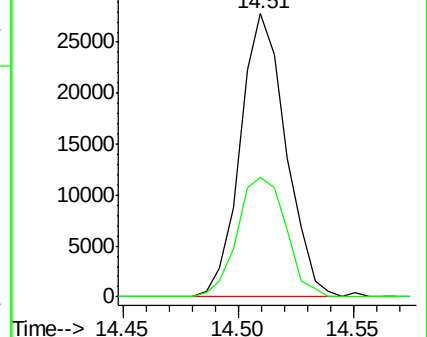
168 100

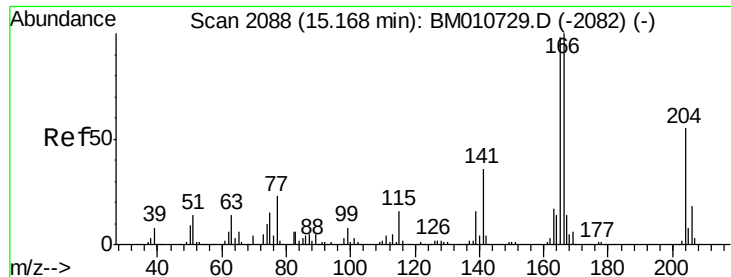
139 42.1 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 2.08 ng/ul

RT: 15.16 min Scan# 2087

Delta R.T. -0.01 min

Lab File: BM010735.D

Acq: 24 Jun 2017 18:15

Instrument :

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ClientSampleId :

F5C49MEDL

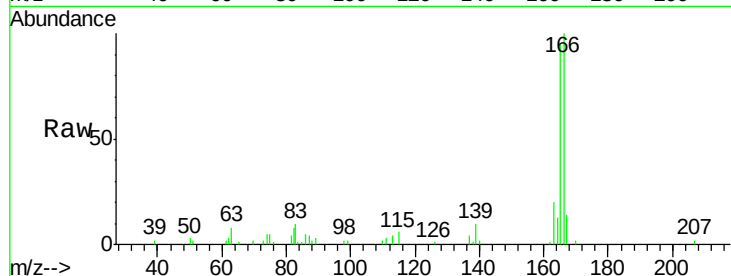
Tgt Ion:166 Resp: 39258

Ion Ratio Lower Upper

166 100

165 95.2 77.9 116.9

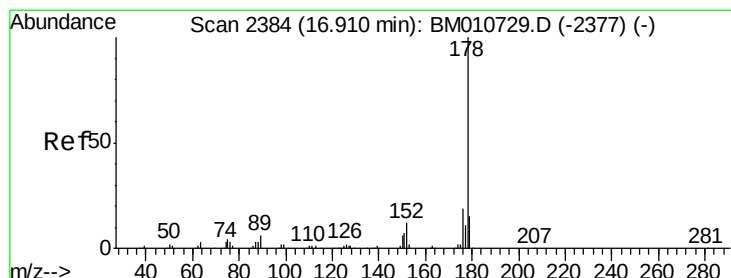
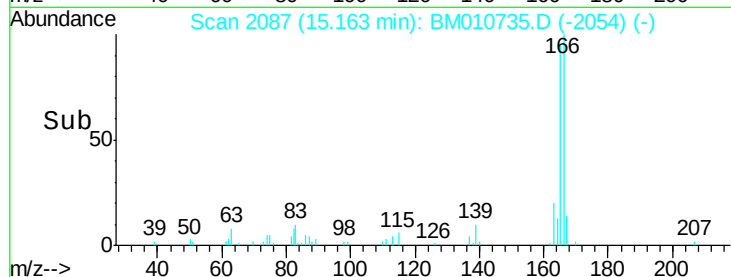
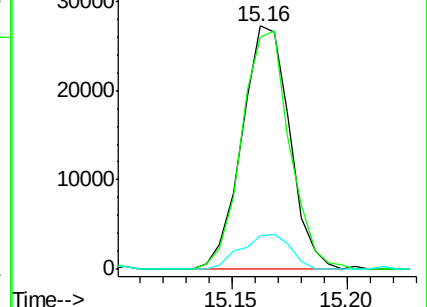
167 13.9 10.6 16.0



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



#69

Phenanthrene

Concen: 5.96 ng/ul

RT: 16.90 min Scan# 2383

Delta R.T. -0.01 min

Lab File: BM010735.D

Acq: 24 Jun 2017 18:15

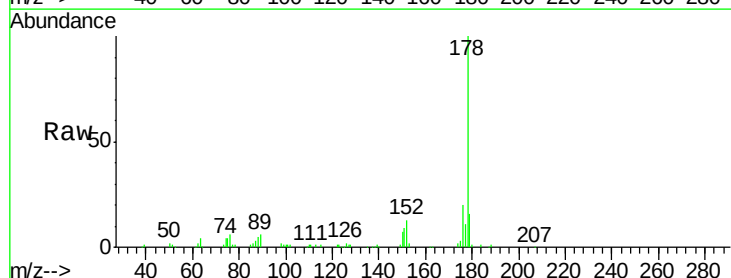
Tgt Ion:178 Resp: 180509

Ion Ratio Lower Upper

178 100

179 15.5 12.6 19.0

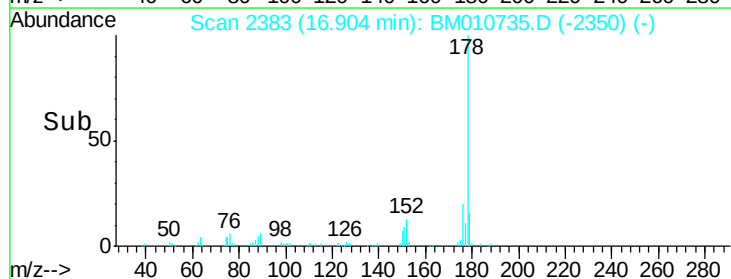
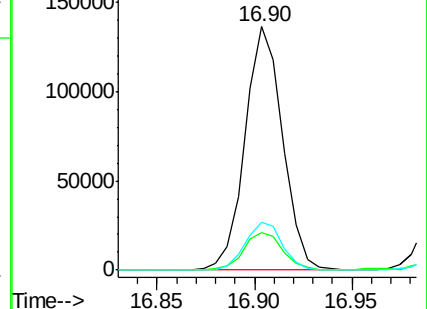
176 19.7 14.9 22.3

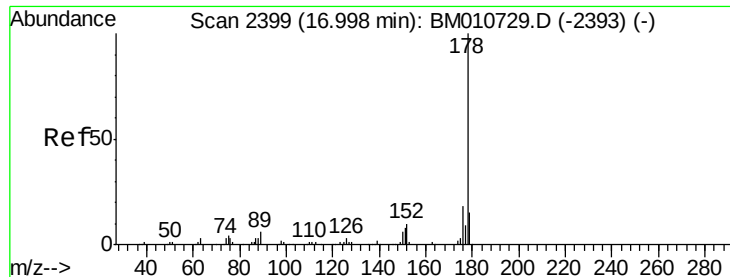


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

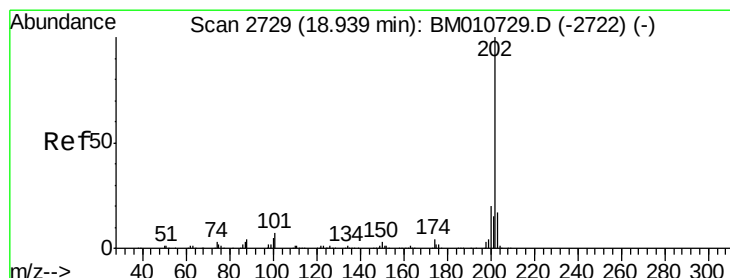
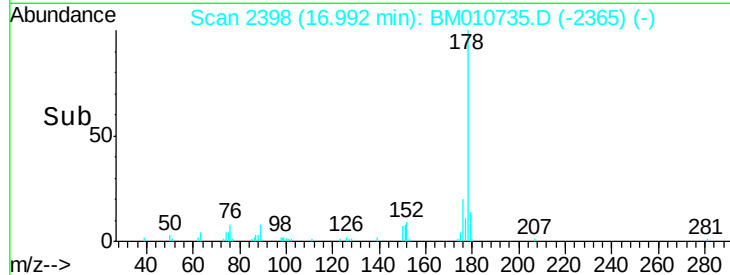
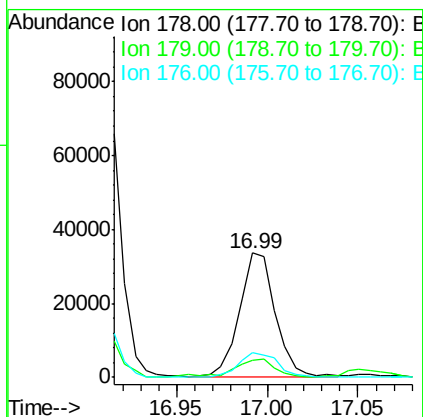
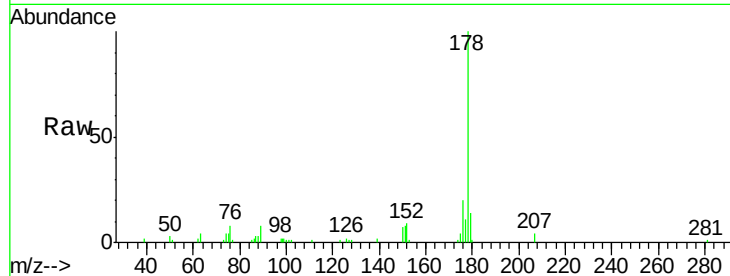




#71
 Anthracene
 Concen: 1.50 ng/ul
 RT: 16.99 min Scan# 2398
 Delta R.T. -0.01 min
 Lab File: BM010735.D
 Acq: 24 Jun 2017 18:15

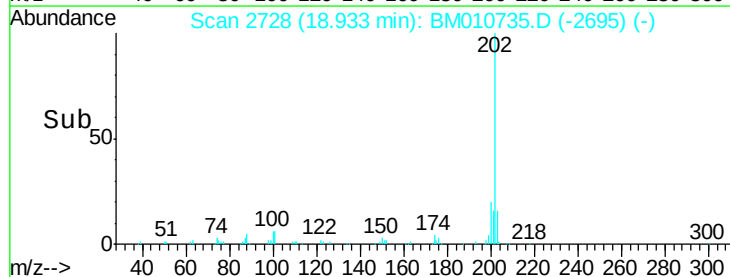
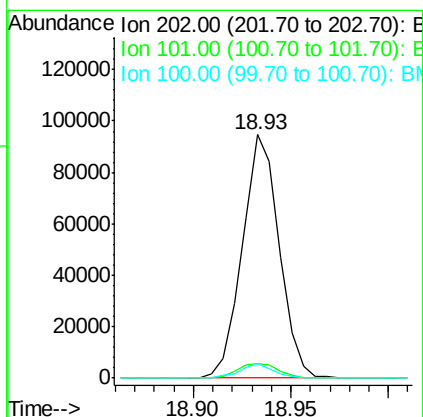
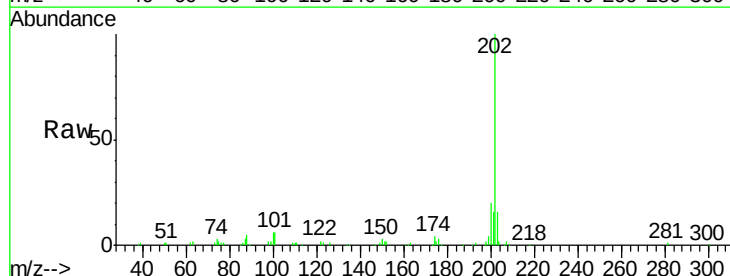
Instrument :
 BNA_M
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 F5C49MEDL

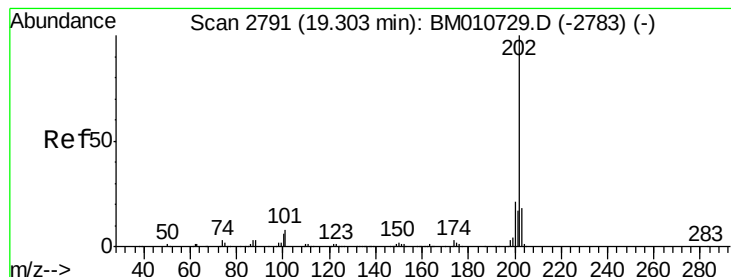
Tgt Ion:178 Resp: 46878
 Ion Ratio Lower Upper
 178 100
 179 14.2 11.7 17.5
 176 20.0 14.6 21.8



#74
 Fluoranthene
 Concen: 3.17 ng/ul
 RT: 18.93 min Scan# 2728
 Delta R.T. -0.01 min
 Lab File: BM010735.D
 Acq: 24 Jun 2017 18:15

Tgt Ion:202 Resp: 123923
 Ion Ratio Lower Upper
 202 100
 101 5.9 4.6 7.0
 100 5.9 3.4 5.2#





#77

Pyrene

Concen: 2.54 ng/ul

RT: 19.30 min Scan# 2790

Delta R.T. -0.01 min

Lab File: BM010735.D

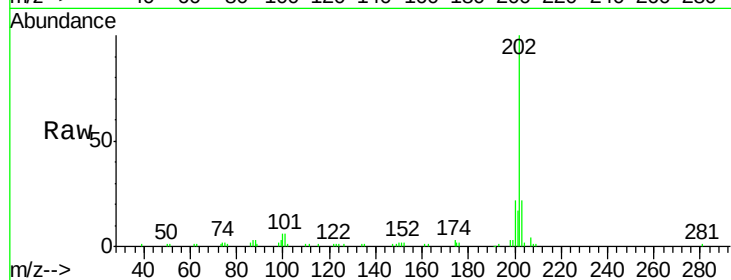
Acq: 24 Jun 2017 18:15

Instrument :

BNA_M

ClientSampleId :

F5C49MEDL



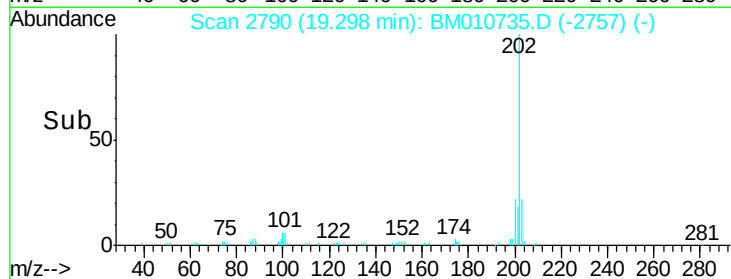
Tgt Ion: 202 Resp: 85508

Ion Ratio Lower Upper

202 100

101 6.1 5.1 7.7

100 6.1 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

