

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062117\
 Data File : BM010631.D
 Acq On : 21 Jun 2017 20:04
 Operator : SJ/JU
 Sample : I3627-18
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5A91

Quant Time: Jun 22 01:33:38 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 22 00:43:46 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	65761	20.00	ng/ul	0.00
18) Naphthalene-d8	10.23	136	301212	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.12	164	208908	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	527065	20.00	ng/ul	0.00
75) Chrysene-d12	21.09	240	663011	20.00	ng/ul	0.00
83) Perylene-d12	23.23	264	587892	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	4982	4.34	ng/uL	0.00
5) Phenol-d5	6.65	99	113181	18.07	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.82	67	69558	19.45	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	91767	20.88	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	102644	19.76	ng/ul	0.00
19) Nitrobenzene-d5	8.61	128	49986	23.26	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	57936	23.41	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	108307	20.78	ng/ul	0.00
29) 4-Chloroaniline-d4	10.37	131	138440	25.21	ng/ul	0.00
43) Dimethylphthalate-d6	13.54	166	450009	24.54	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	497291	23.31	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	63291	19.61	ng/ul	0.00
57) Fluorene-d10	15.12	176	374794	23.64	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	72654	22.44	ng/ul	0.00
70) Anthracene-d10	16.97	188	617261	24.25	ng/ul	0.00
76) Pyrene-d10	19.28	212	734767	23.86	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.09	264	695906	24.49	ng/ul	0.00

Target Compounds

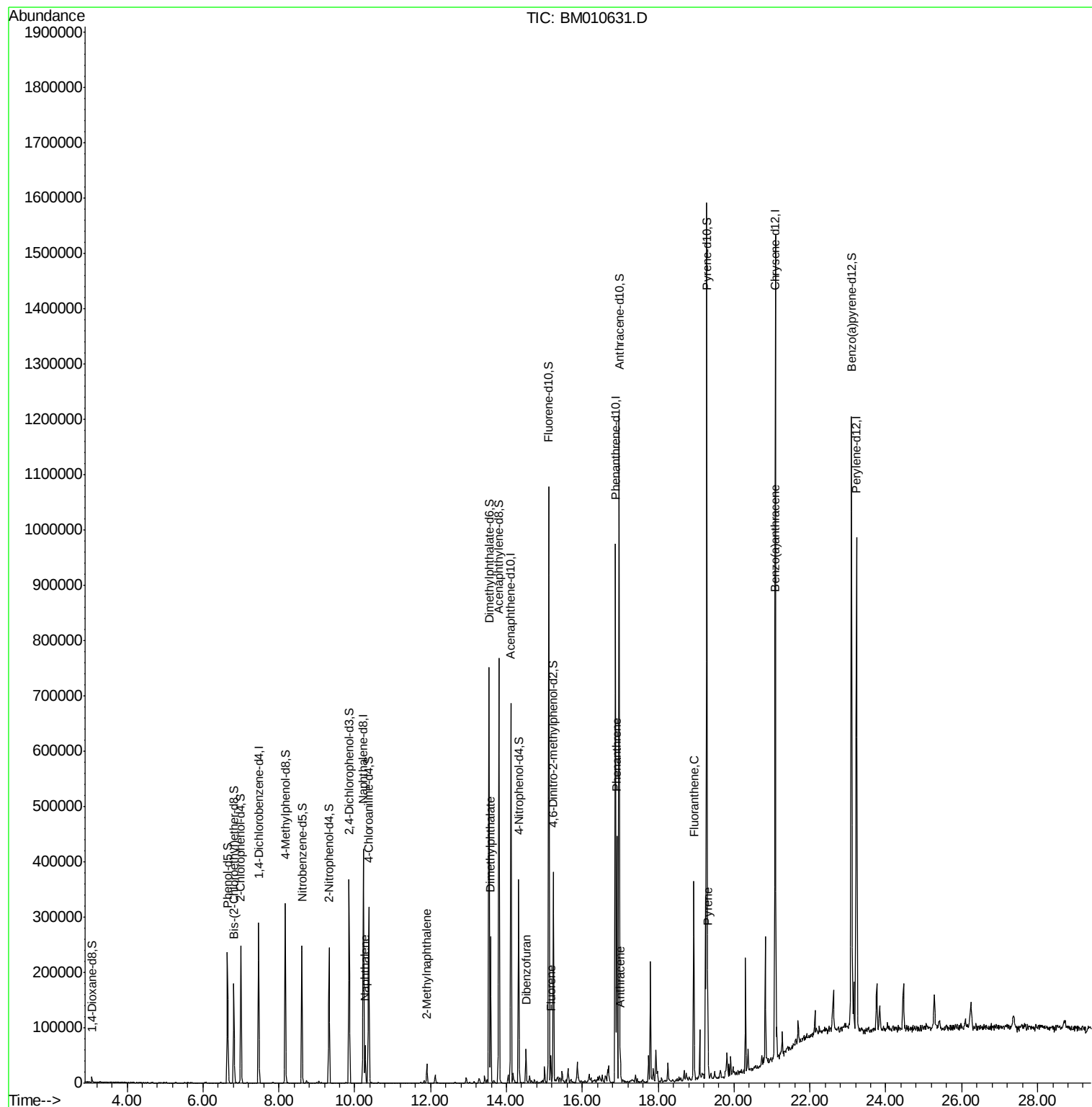
					Qvalue	
28) Naphthalene	10.27	128	50170	3.347	ng/ul#	94
34) 2-Methylnaphthalene	11.90	142	15884	1.318	ng/ul	90
44) Dimethylphthalate	13.59	163	152171	8.465	ng/ul	97
53) Dibenzofuran	14.52	168	30424	1.466	ng/ul	89
58) Fluorene	15.17	166	19571	1.126	ng/ul#	97
69) Phenanthrene	16.91	178	236596	8.444	ng/ul	100
71) Anthracene	17.00	178	29240	1.013	ng/ul	94
74) Fluoranthene	18.94	202	190036	5.262	ng/ul#	97
77) Pyrene	19.31	202	109738	2.866	ng/ul#	98
80) Benzo(a)anthracene	21.07	228	42143	1.092	ng/ul	98

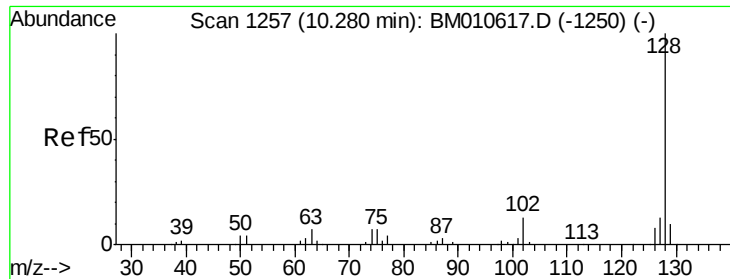
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 3.347 ng/ul

RT: 10.27 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BM010631.D

Acq: 21 Jun 2017 20:04

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F5A91

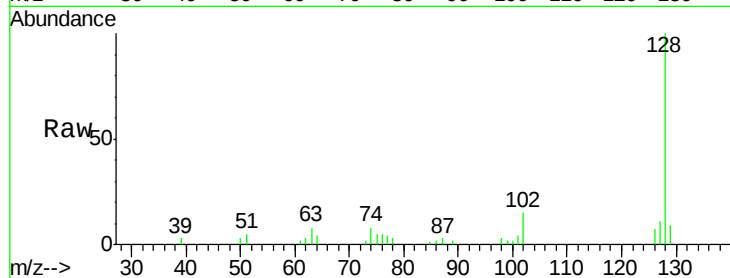
Tgt Ion:128 Resp: 50170

Ion Ratio Lower Upper

128 100

129 8.7 8.8 13.2#

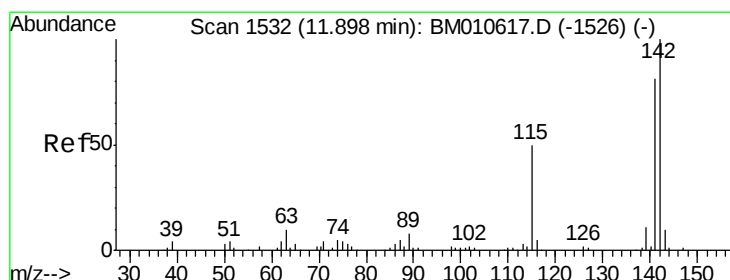
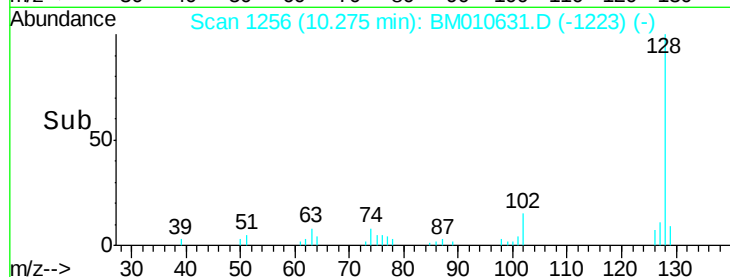
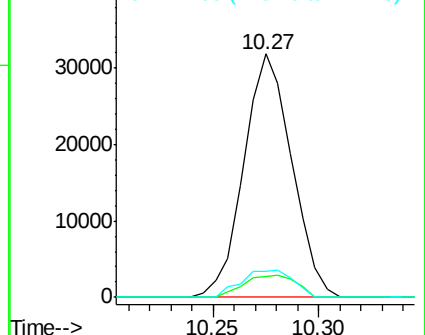
127 10.7 10.6 16.0



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



#34

2-Methylnaphthalene

Concen: 1.318 ng/ul

RT: 11.90 min Scan# 1532

Delta R.T. 0.00 min

Lab File: BM010631.D

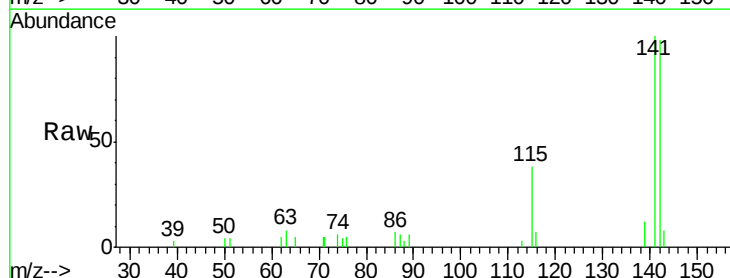
Acq: 21 Jun 2017 20:04

Tgt Ion:142 Resp: 15884

Ion Ratio Lower Upper

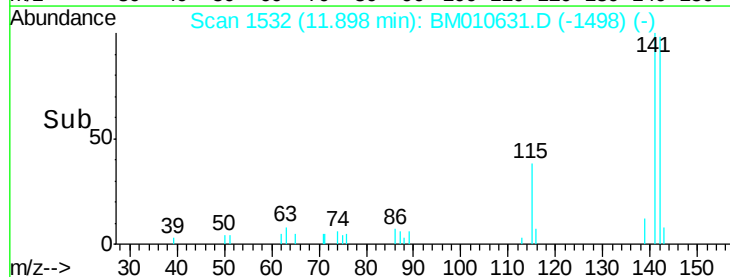
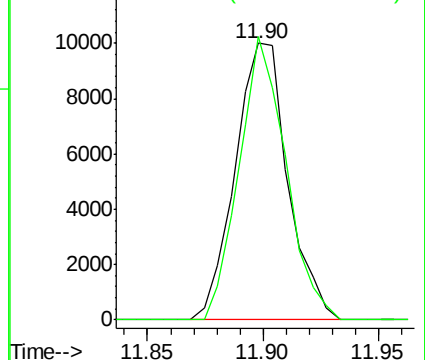
142 100

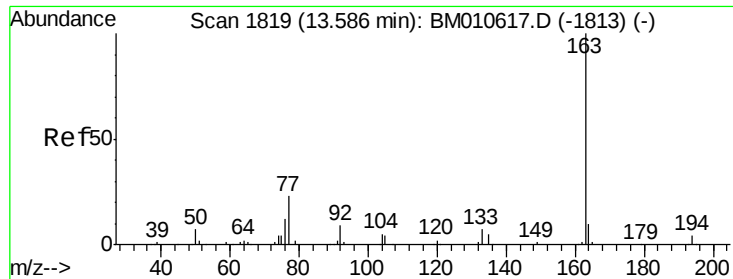
141 102.3 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#44

Dimethylphthalate

Concen: 8.465 ng/ul

RT: 13.59 min Scan# 1819

Delta R.T. 0.00 min

Lab File: BM010631.D

Acq: 21 Jun 2017 20:04

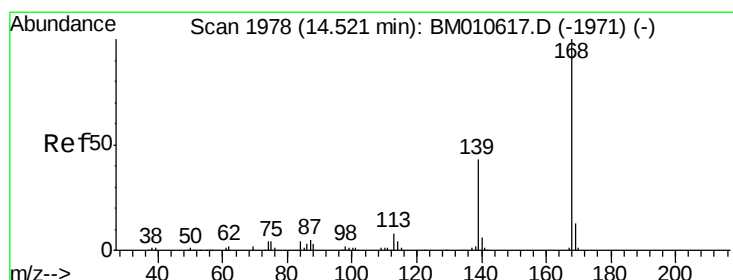
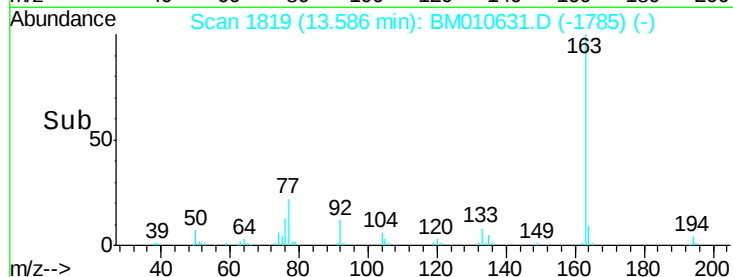
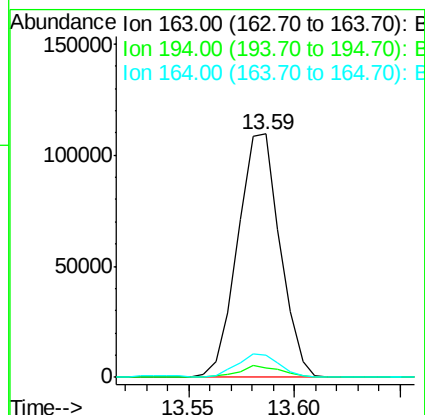
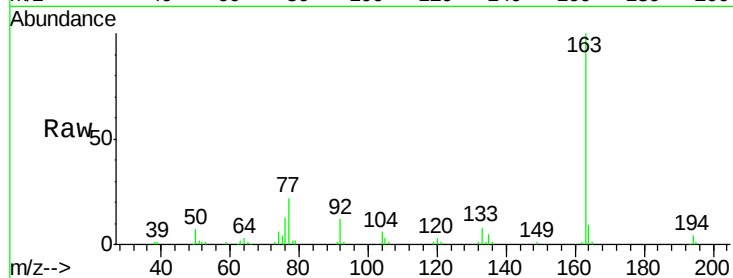
Instrument :

BNA_M

ClientSampleId :

F5A91

Tgt Ion:	163	Resp:	152171
Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.5	5.3
164	8.8	8.2	12.4



#53

Dibenzofuran

Concen: 1.466 ng/ul

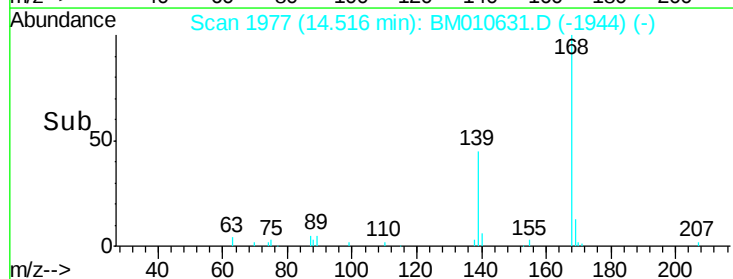
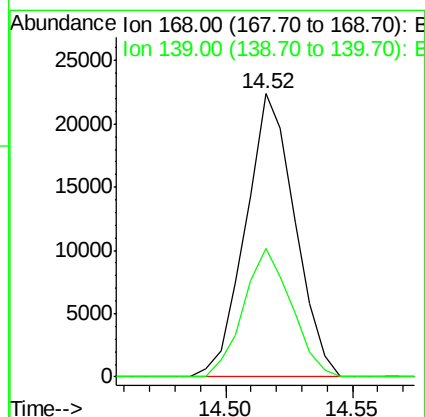
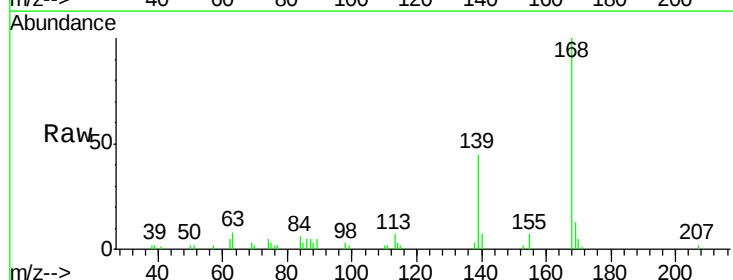
RT: 14.52 min Scan# 1977

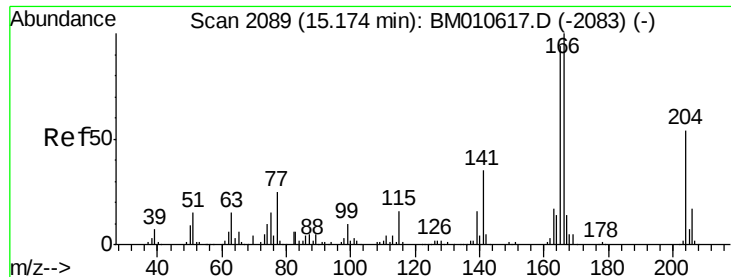
Delta R.T. -0.01 min

Lab File: BM010631.D

Acq: 21 Jun 2017 20:04

Tgt Ion:	168	Resp:	30424
Ion	Ratio	Lower	Upper
168	100		
139	45.2	30.8	46.2





#58

Fluorene

Concen: 1.126 ng/ul

RT: 15.17 min Scan# 2089

Delta R.T. 0.00 min

Lab File: BM010631.D

Acq: 21 Jun 2017 20:04

Instrument :

BNA_M

ClientSampleId :

F5A91

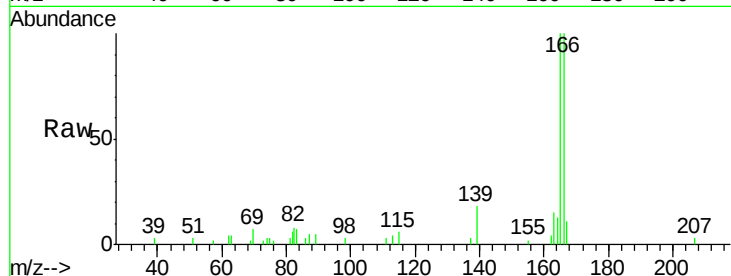
Tgt Ion:166 Resp: 19571

Ion Ratio Lower Upper

166 100

165 100.0 77.9 116.9

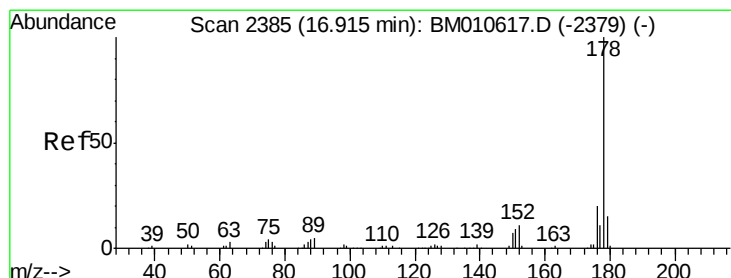
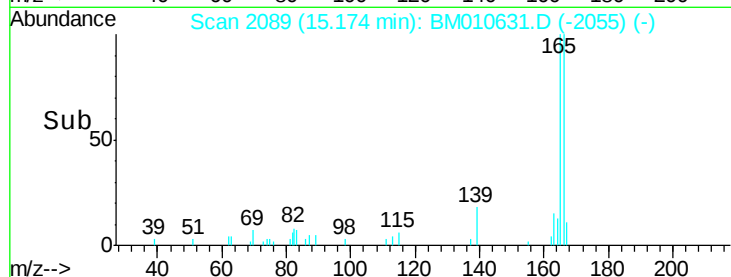
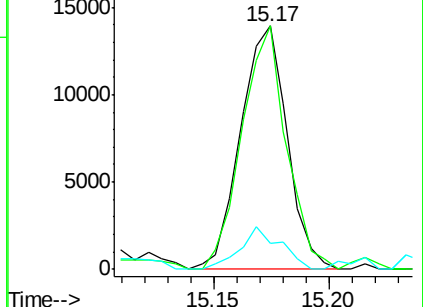
167 10.6 10.6 16.0#



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



#69

Phenanthrene

Concen: 8.444 ng/ul

RT: 16.91 min Scan# 2384

Delta R.T. -0.01 min

Lab File: BM010631.D

Acq: 21 Jun 2017 20:04

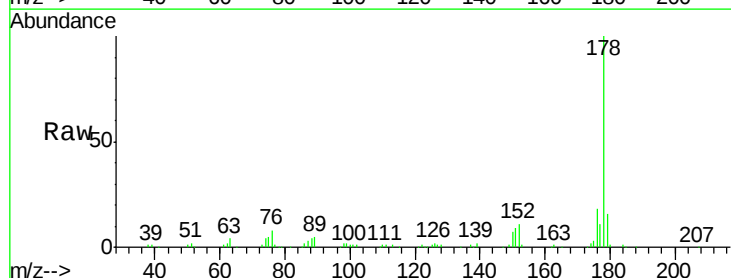
Tgt Ion:178 Resp: 236596

Ion Ratio Lower Upper

178 100

179 15.7 12.6 19.0

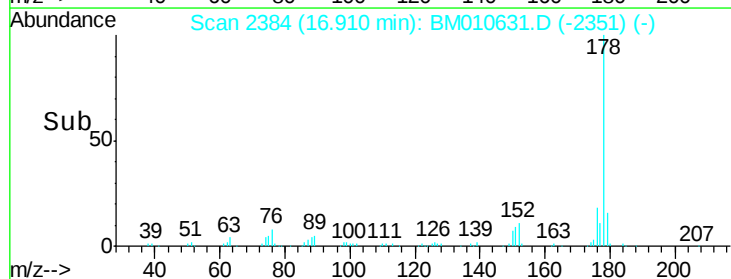
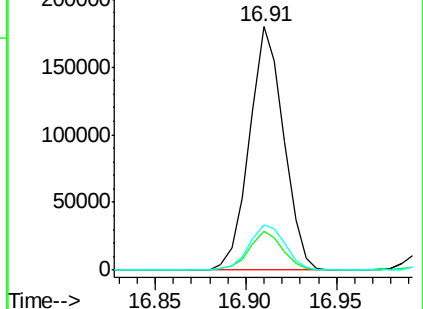
176 18.5 14.9 22.3

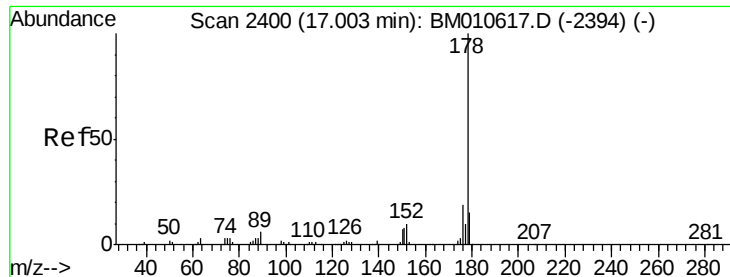


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

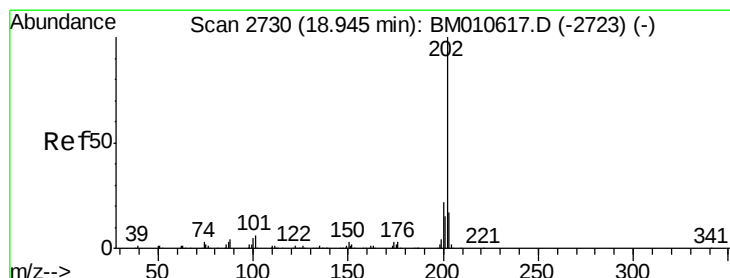
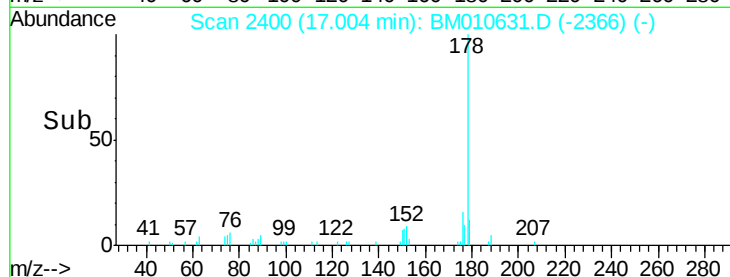
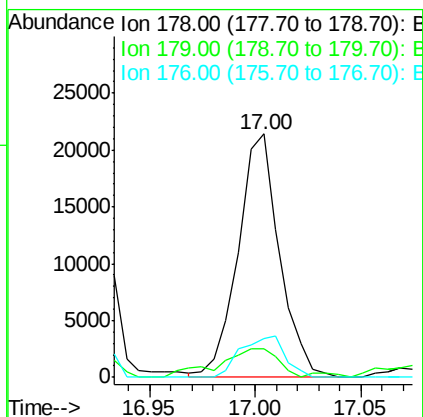
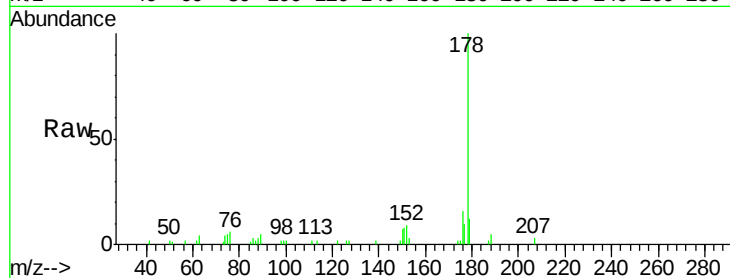




#71
 Anthracene
 Concen: 1.013 ng/ul
 RT: 17.00 min Scan# 2400
 Delta R.T. 0.00 min
 Lab File: BM010631.D
 Acq: 21 Jun 2017 20:04

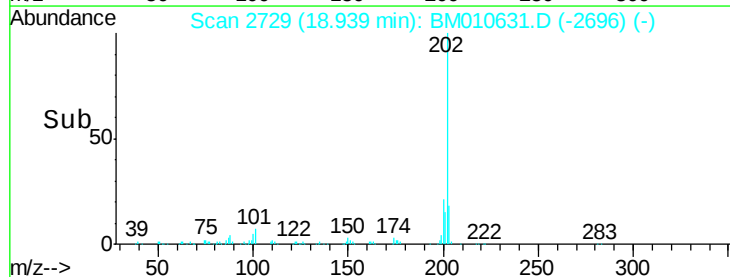
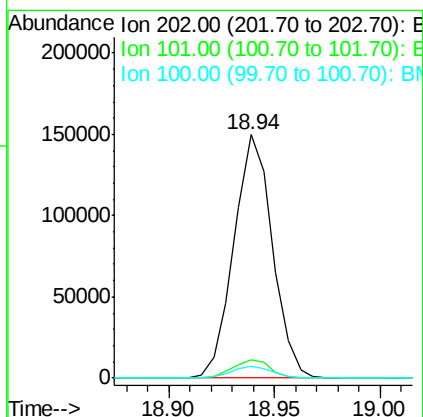
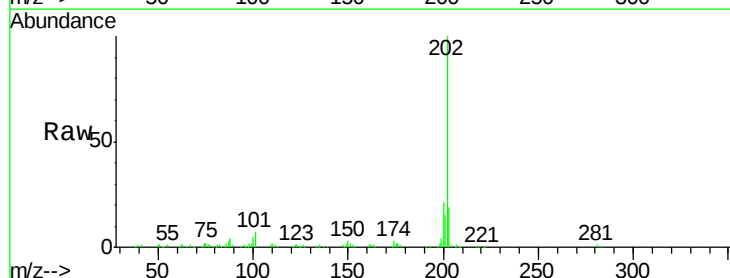
Instrument :
 BNA_M
 ClientSampleId :
 F5A91

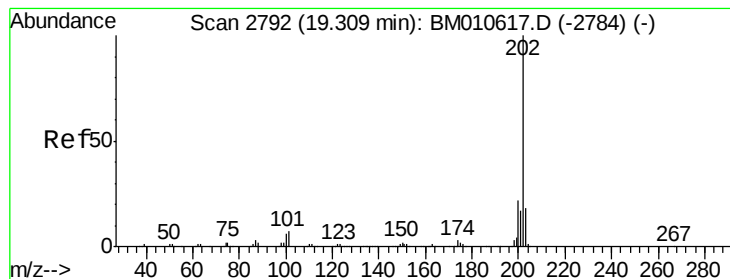
Tgt Ion:178 Resp: 29240
 Ion Ratio Lower Upper
 178 100
 179 12.0 11.7 17.5
 176 15.7 14.6 21.8



#74
 Fluoranthene
 Concen: 5.262 ng/ul
 RT: 18.94 min Scan# 2729
 Delta R.T. -0.01 min
 Lab File: BM010631.D
 Acq: 21 Jun 2017 20:04

Tgt Ion:202 Resp: 190036
 Ion Ratio Lower Upper
 202 100
 101 7.3 4.6 7.0#
 100 4.9 3.4 5.2





#77

Pyrene

Concen: 2.866 ng/ul

RT: 19.31 min Scan# 2792

Delta R.T. 0.00 min

Lab File: BM010631.D

Acq: 21 Jun 2017 20:04

Instrument :

BNA_M

ClientSampleId :

F5A91

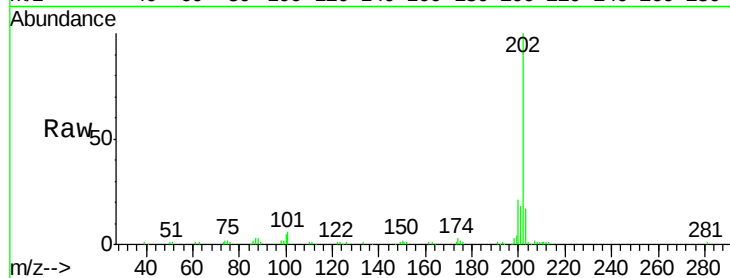
Tgt Ion:202 Resp: 109738

Ion Ratio Lower Upper

202 100

101 6.3 5.1 7.7

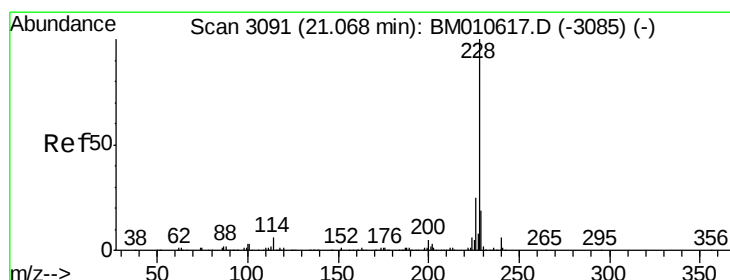
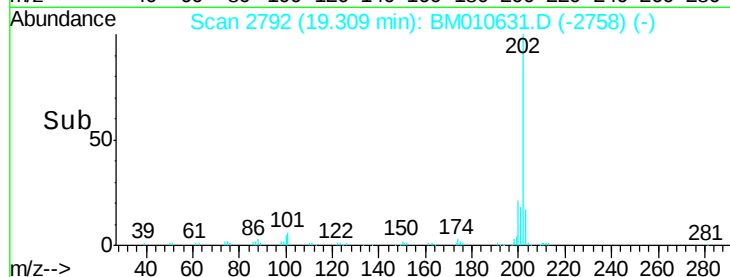
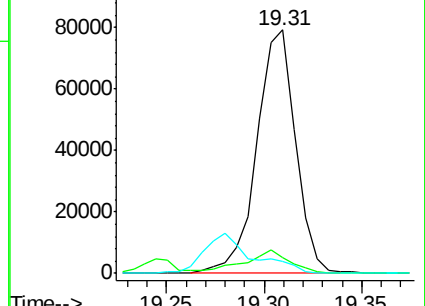
100 4.9 4.9 7.3#



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: 1.092 ng/ul

RT: 21.07 min Scan# 3091

Delta R.T. 0.00 min

Lab File: BM010631.D

Acq: 21 Jun 2017 20:04

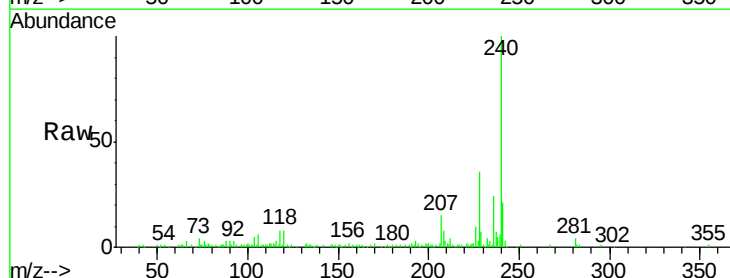
Tgt Ion:228 Resp: 42143

Ion Ratio Lower Upper

228 100

229 17.9 15.4 23.0

226 27.4 21.4 32.0



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

