

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121217\
 Data File : BM013360.D
 Acq On : 13 Dec 2017 04:36
 Operator : SJ/JU
 Sample : I6759-04DL 20X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A03DL2

Quant Time: Dec 13 07:02:41 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 13 04:59:25 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	126624	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	547222	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.33	164	351130	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	885253	20.00	ng/ul	0.00
75) Chrysene-d12	21.27	240	1116095	20.00	ng/ul	0.00
83) Perylene-d12	23.49	264	1004574	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	950	0.37	ng/uL	0.00
5) Phenol-d5	6.87	99	14803	1.35	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.03	67	10071	1.61	ng/ul	0.00
9) 2-Chlorophenol-d4	7.23	132	12745	1.49	ng/ul	0.00
13) 4-Methylphenol-d8	8.40	113	12255	1.31	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	6254	1.44	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	6312	1.36	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	13861	1.45	ng/ul	0.01
29) 4-Chloroaniline-d4	10.62	131	17420	1.98	ng/ul	0.01
43) Dimethylphthalate-d6	13.74	166	53510	1.71	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	64824	1.68	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	3466	0.64	ng/ul	0.02
57) Fluorene-d10	15.32	176	47688	1.77	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	2540	0.46	ng/ul	0.00
70) Anthracene-d10	17.17	188	83179	1.88	ng/ul	0.00
76) Pyrene-d10	19.47	212	96549	1.74	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.35	264	87858	1.72	ng/ul	0.00

Target Compounds

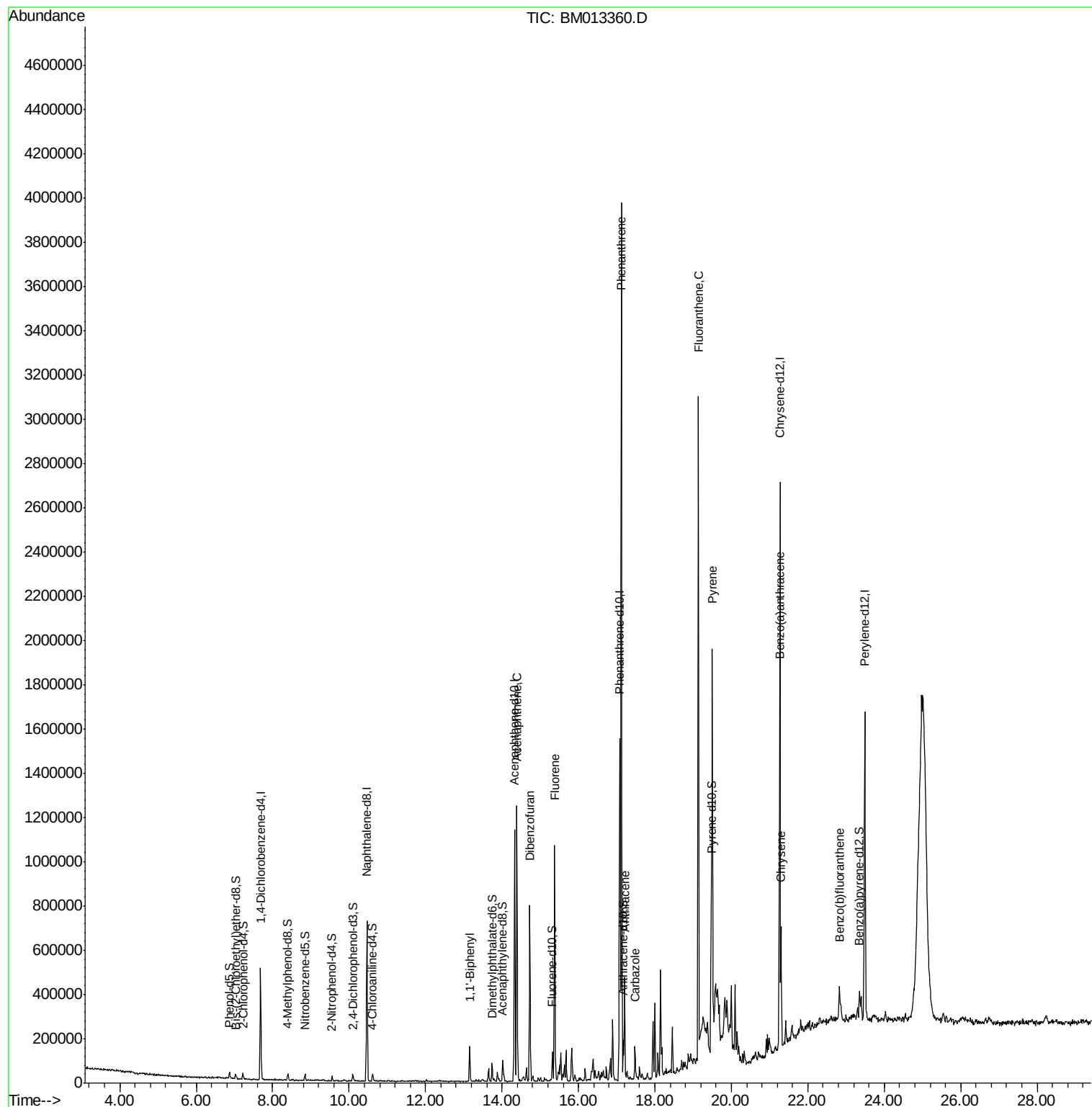
					Ovalue
40) 1,1'-Biophenyl	13.16	154	80167	2.701	ng/ul 94
49) Acenaphthene	14.39	153	489024	20.118	ng/ul 95
53) Dibenzofuran	14.73	168	465585	12.975	ng/ul 99
58) Fluorene	15.38	166	432800	14.579	ng/ul 100
69) Phenanthrene	17.12	178	2288744	45.508	ng/ul 99
71) Anthracene	17.21	178	279533	5.438	ng/ul 99
72) Carbazole	17.49	167	83208	1.882	ng/ul 98
74) Fluoranthene	19.14	202	1694850	27.499	ng/ul# 94
77) Pyrene	19.50	202	1152581	16.998	ng/ul# 96
80) Benzo(a)anthracene	21.25	228	263829	3.726	ng/ul 99
82) Chrysene	21.30	228	287063	4.369	ng/ul 97
85) Benzo(b)fluoranthene	22.83	252	113605	1.678	ng/ul# 98

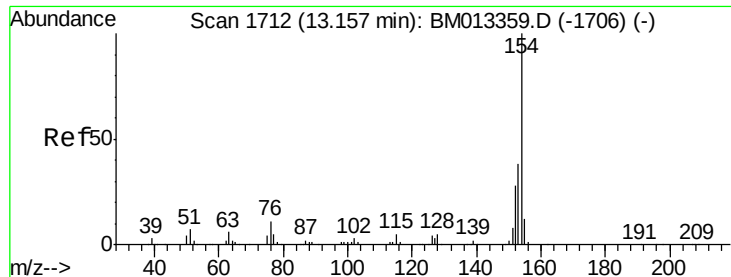
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 13 04:59:25 2017
Response via : Initial Calibration





#40

1,1'-Biphenyl

Concen: 2.701 ng/ul

RT: 13.16 min Scan# 1712

Delta R.T. -0.00 min

Lab File: BM013360.D

Acq: 13 Dec 2017 04:36

Instrument :

BNA_M

ClientSampleId :

F9A03DL2

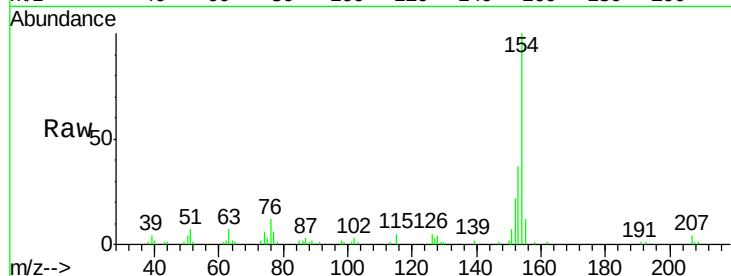
Tot Ion:154 Resp: 80167

Ion Ratio Lower Upper

154 100

153 36.9 32.6 48.8

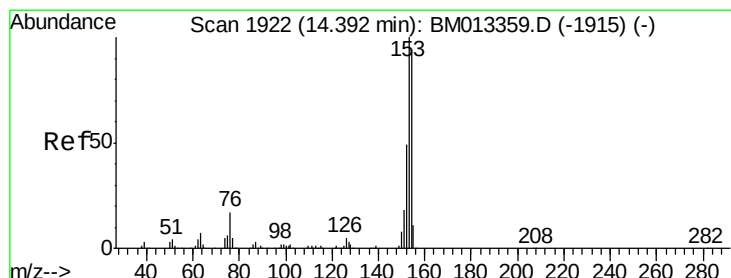
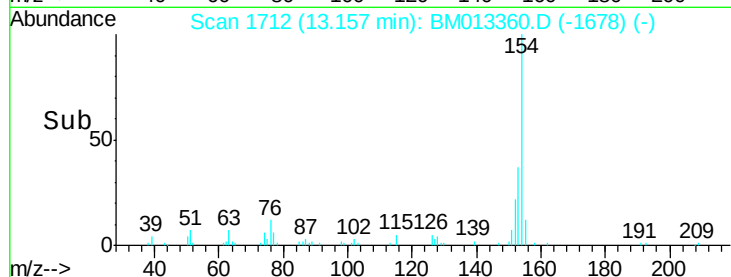
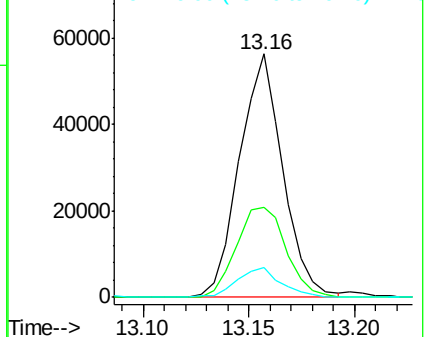
76 12.4 8.5 12.7



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM



#49

Acenaphthene

Concen: 20.118 ng/ul

RT: 14.39 min Scan# 1922

Delta R.T. -0.00 min

Lab File: BM013360.D

Acq: 13 Dec 2017 04:36

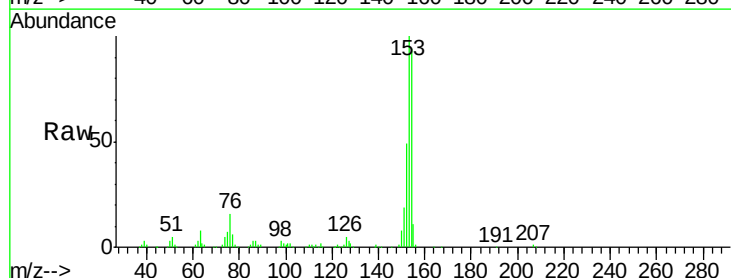
Tgt Ion:153 Resp: 489024

Ion Ratio Lower Upper

153 100

152 49.0 37.6 56.4

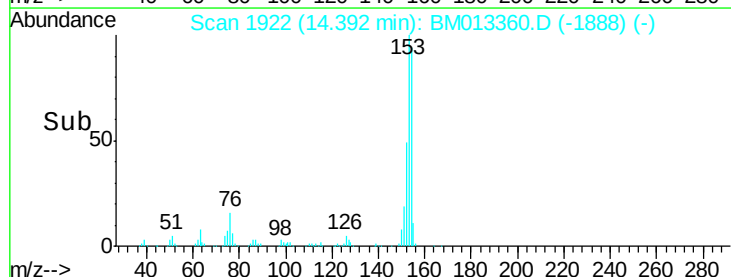
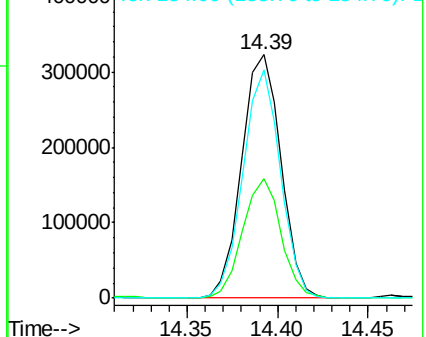
154 93.5 70.4 105.6

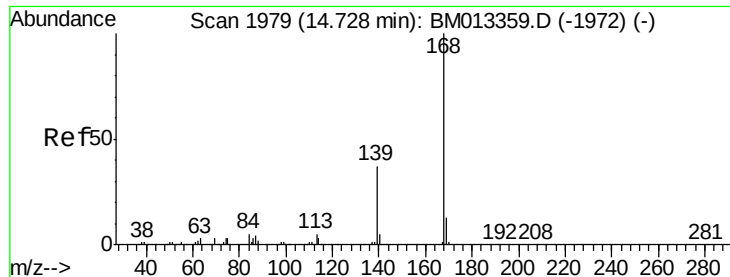


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 12.975 ng/ul

RT: 14.73 min Scan# 1979

Delta R.T. -0.00 min

Lab File: BM013360.D

Acq: 13 Dec 2017 04:36

Instrument :

BNA_M

ClientSampleId :

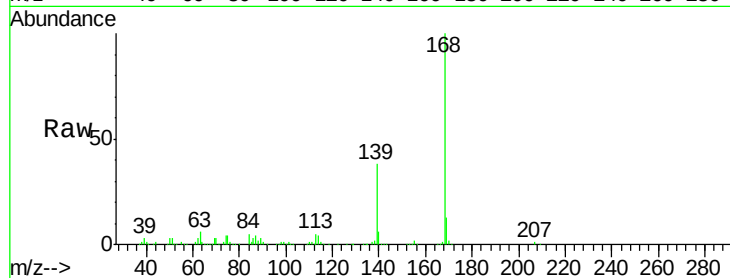
F9A03DL2

Tot Ion:168 Resp: 465585

Ion Ratio Lower Upper

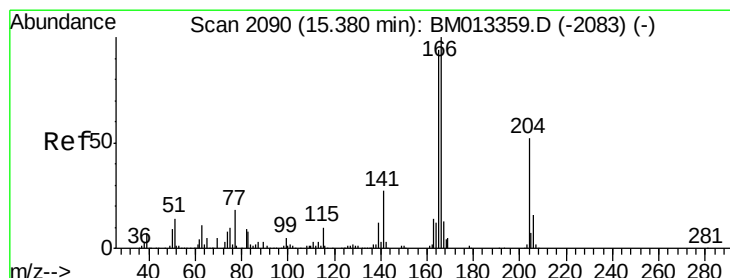
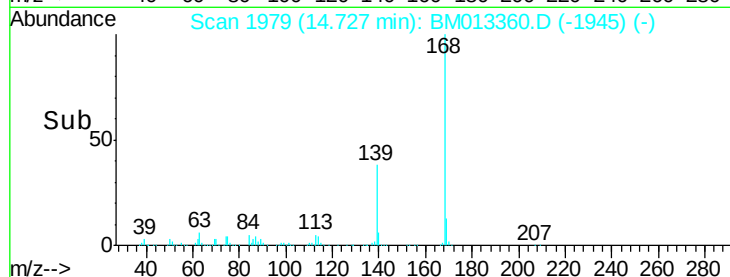
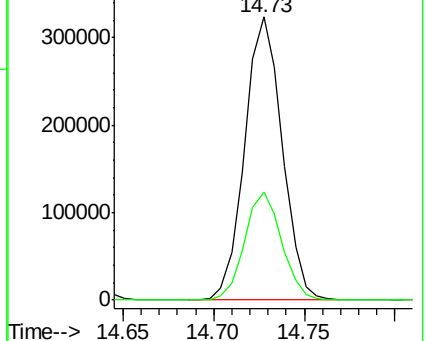
168 100

139 38.0 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: 14.579 ng/ul

RT: 15.38 min Scan# 2090

Delta R.T. -0.00 min

Lab File: BM013360.D

Acq: 13 Dec 2017 04:36

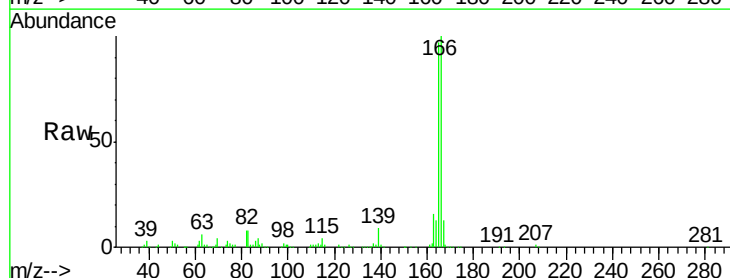
Tgt Ion:166 Resp: 432800

Ion Ratio Lower Upper

166 100

165 97.5 77.9 116.9

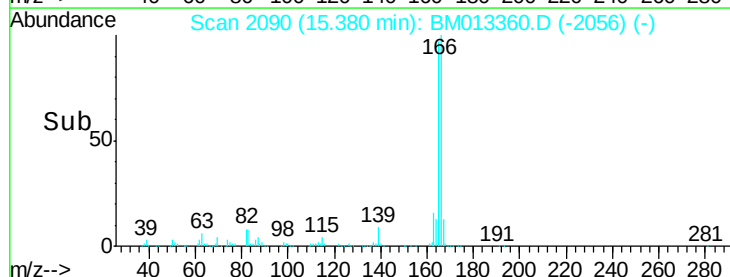
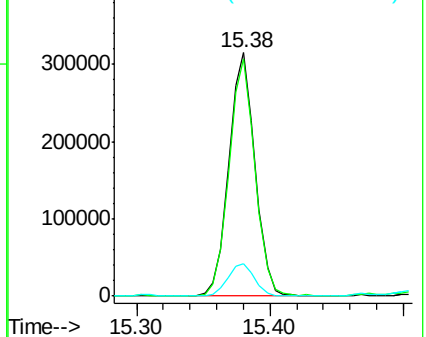
167 13.4 10.6 16.0

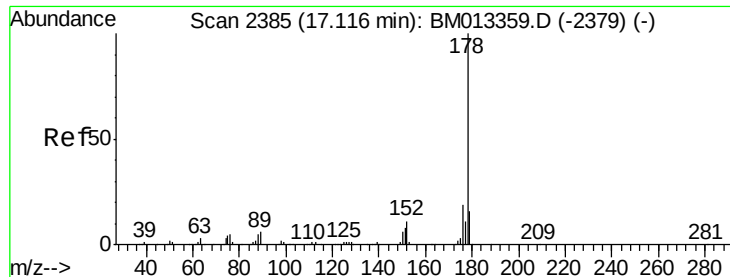


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 45.508 ng/ul

RT: 17.12 min Scan# 2386

Delta R.T. 0.01 min

Lab File: BM013360.D

Acq: 13 Dec 2017 04:36

Instrument :

BNA_M

ClientSampleId :

F9A03DL2

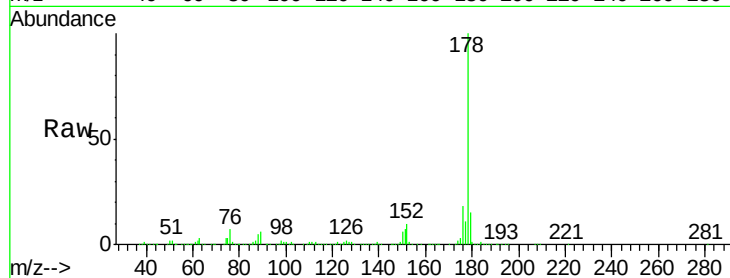
Tot Ion:178 Resp: 2288744

Ion Ratio Lower Upper

178 100

179 15.5 12.6 19.0

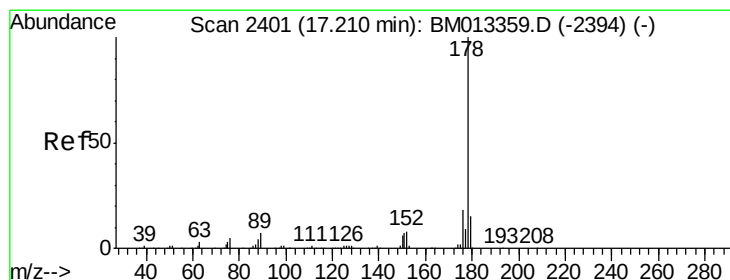
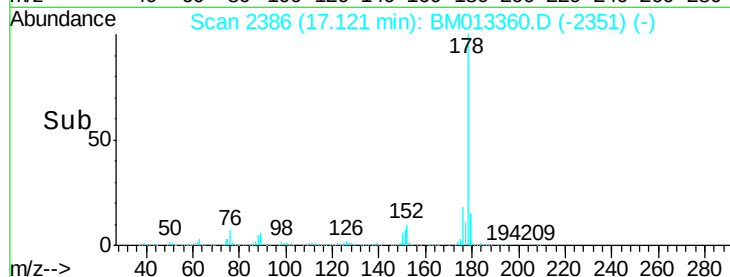
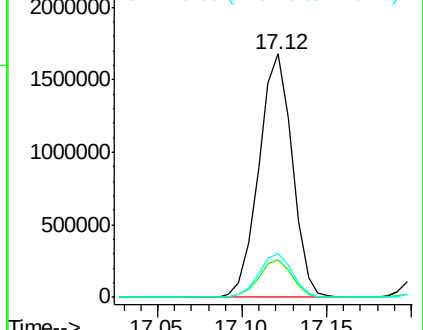
176 18.0 14.9 22.3



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: 5.438 ng/ul

RT: 17.21 min Scan# 2401

Delta R.T. -0.00 min

Lab File: BM013360.D

Acq: 13 Dec 2017 04:36

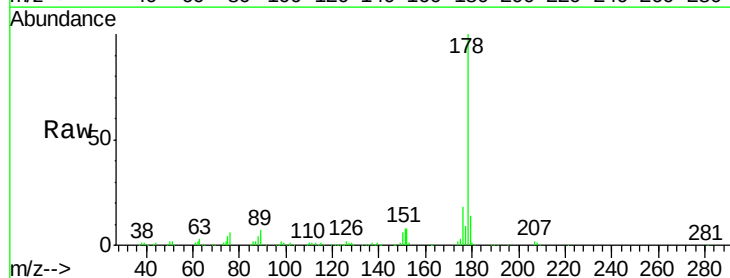
Tgt Ion:178 Resp: 279533

Ion Ratio Lower Upper

178 100

179 14.1 11.7 17.5

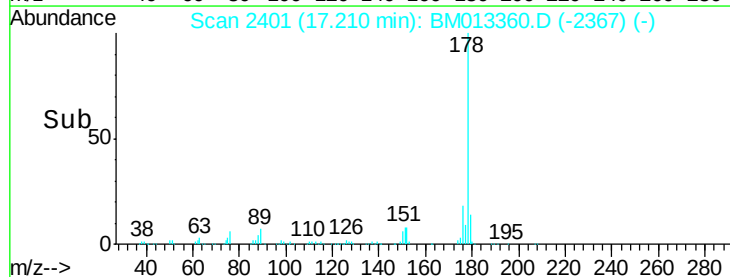
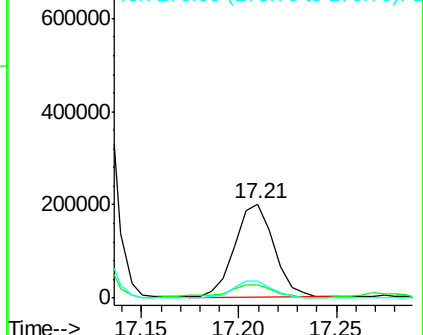
176 18.5 14.6 21.8

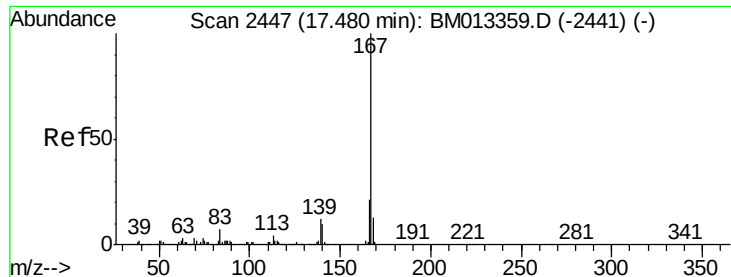


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

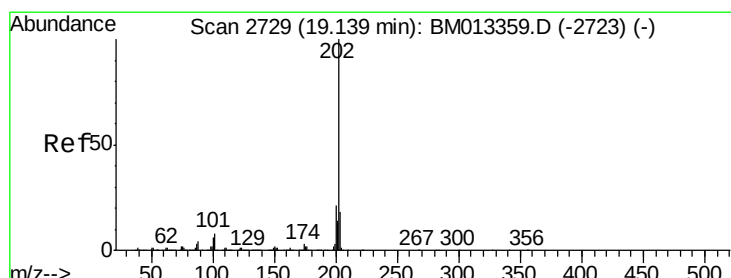
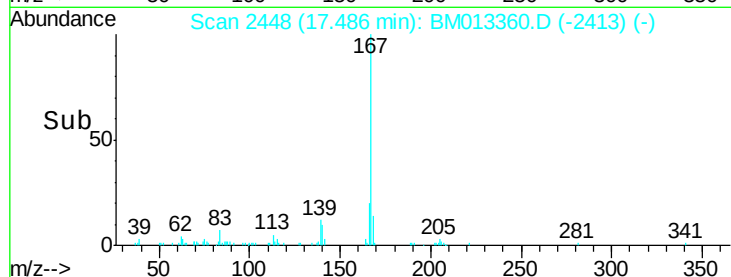
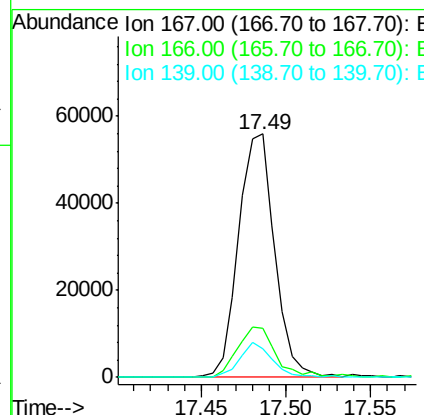
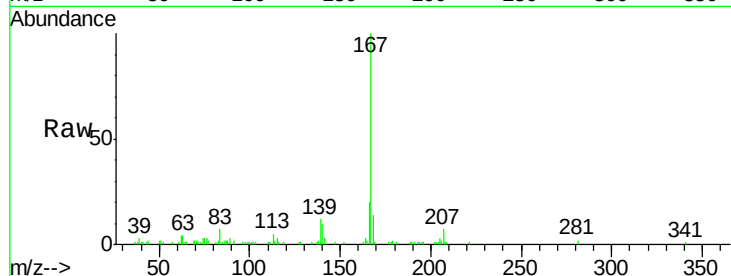




#72
 Carbazole
 Concen: 1.882 ng/ul
 RT: 17.49 min Scan# 2448
 Delta R.T. 0.01 min
 Lab File: BM013360.D
 Acq: 13 Dec 2017 04:36

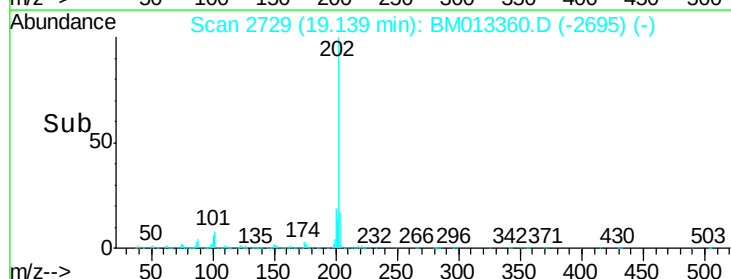
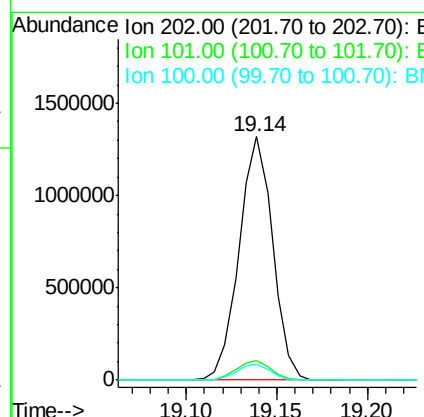
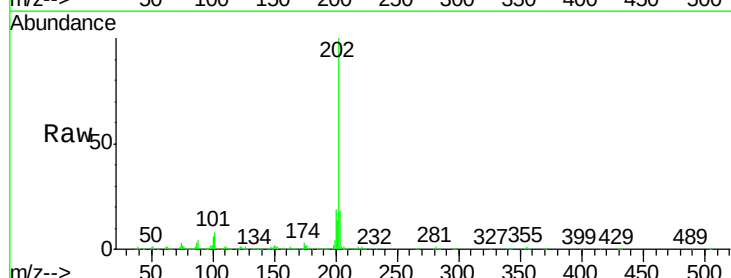
Instrument :
 BNA_M
 ClientSampleId :
 F9A03DL2

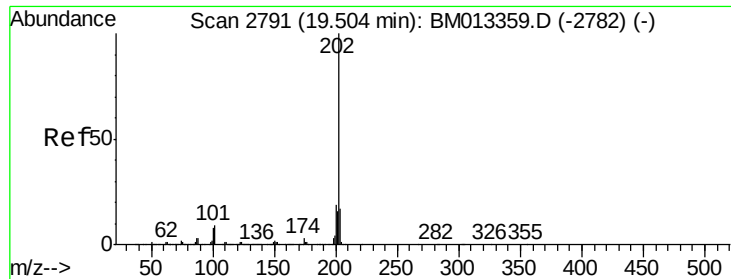
Tot Ion	Ratio	Lower	Upper
167	100		
166	20.2	17.1	25.7
139	11.7	10.0	15.0



#74
 Fluoranthene
 Concen: 27.499 ng/ul
 RT: 19.14 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: BM013360.D
 Acq: 13 Dec 2017 04:36

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.9	4.6	7.0#
100	6.3	3.4	5.2#





#77

Pvrene

Concen: 16.998 ng/ul

RT: 19.50 min Scan# 2791

Delta R.T. -0.00 min

Lab File: BM013360.D

Acq: 13 Dec 2017 04:36

Instrument :

BNA_M

ClientSampleId :

F9A03DL2

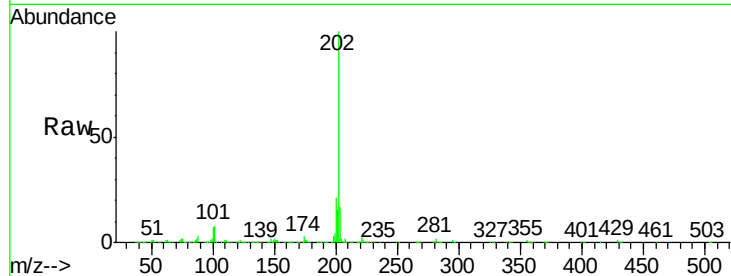
Tot Ion:202 Resp: 1152581

Ion Ratio Lower Upper

202 100

101 7.9 5.1 7.7#

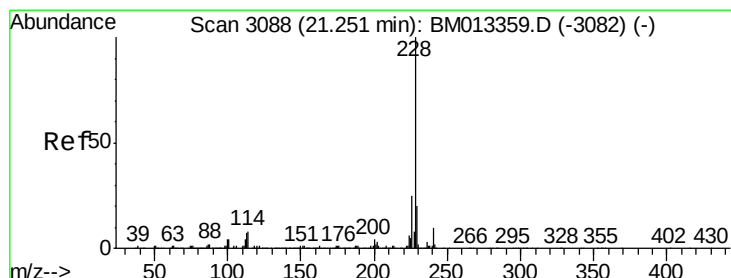
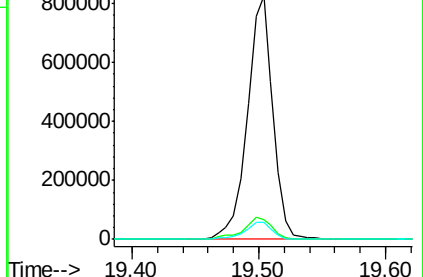
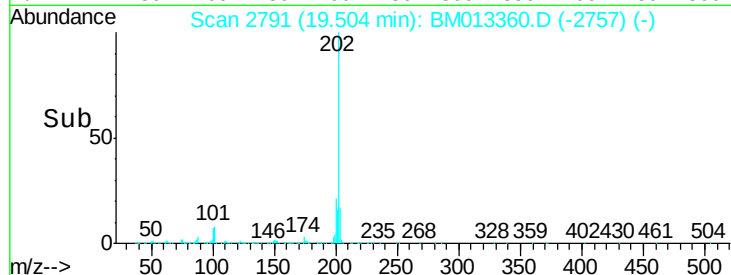
100 7.2 4.9 7.3



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: 3.726 ng/ul

RT: 21.25 min Scan# 3088

Delta R.T. -0.00 min

Lab File: BM013360.D

Acq: 13 Dec 2017 04:36

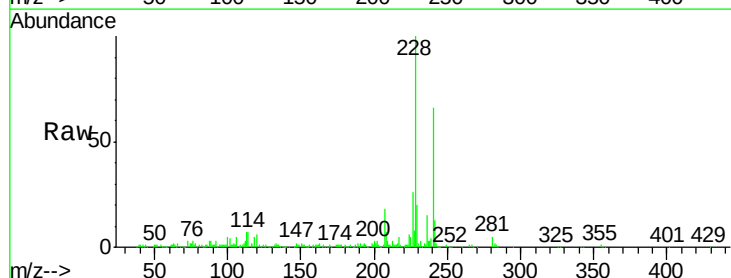
Tgt Ion:228 Resp: 263829

Ion Ratio Lower Upper

228 100

229 19.7 15.4 23.0

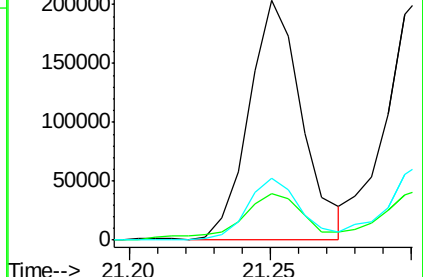
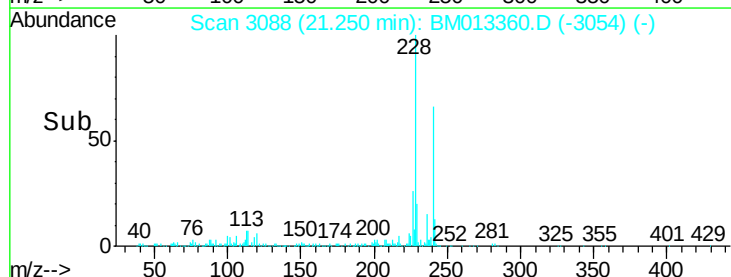
226 25.8 21.4 32.0

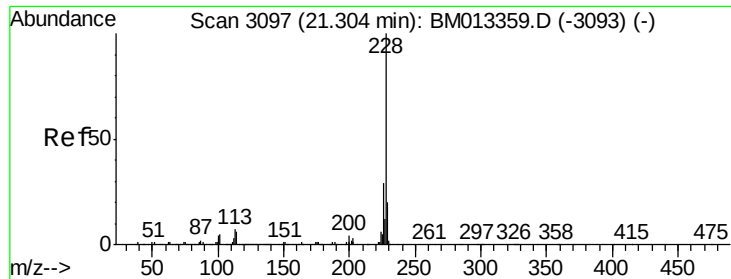


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 4.369 ng/ul

RT: 21.30 min Scan# 3097

Delta R.T. -0.00 min

Lab File: BM013360.D

Acq: 13 Dec 2017 04:36

Instrument :

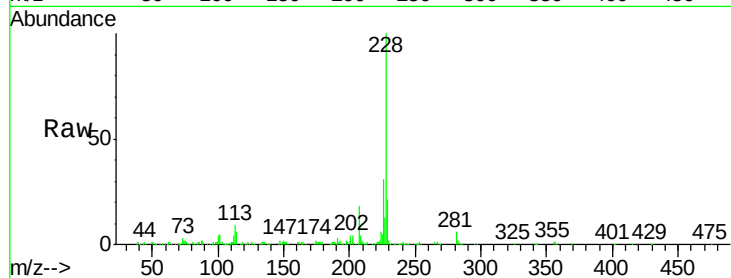
BNA_M

ClientSampled :

F9A03DL2

Tot Ion:228 Resp: 287063

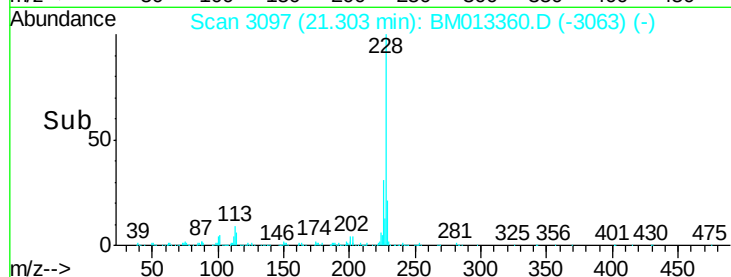
Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.4	35.2
229	21.1	15.5	23.3



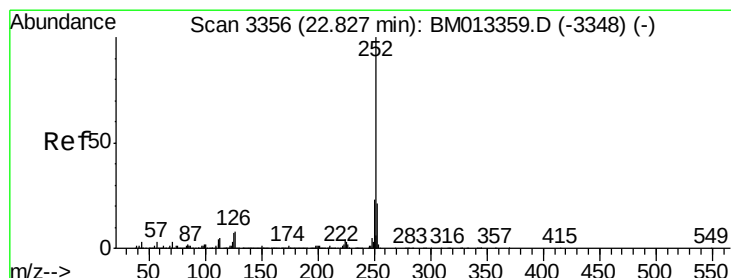
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Benzo(b)fluoranthene

Concen: 1.678 ng/ul

RT: 22.83 min Scan# 3356

Delta R.T. -0.00 min

Lab File: BM013360.D

Acq: 13 Dec 2017 04:36

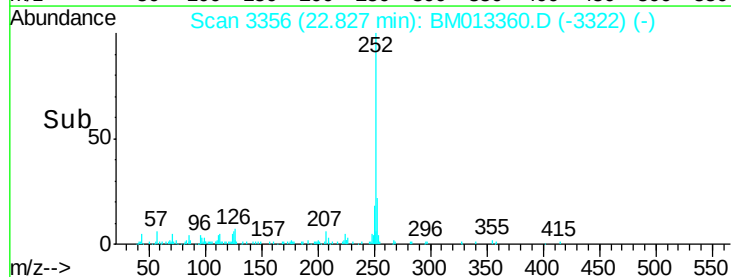
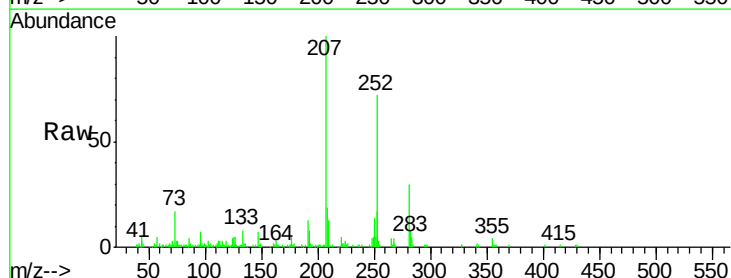
Tgt Ion:252 Resp: 113605

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	6.9	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



Time-->