

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM121317\
 Data File : BM013397.D
 Acq On : 14 Dec 2017 05:05
 Operator : SJ/JU
 Sample : I6759-12ME 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A20ME

Quant Time: Dec 14 06:31:55 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 14 06:00:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	172681	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	735128	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	462304	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1167680	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	1393857	20.00	ng/ul	0.00
83) Perylene-d12	23.49	264	1252466	20.00	ng/ul	0.00

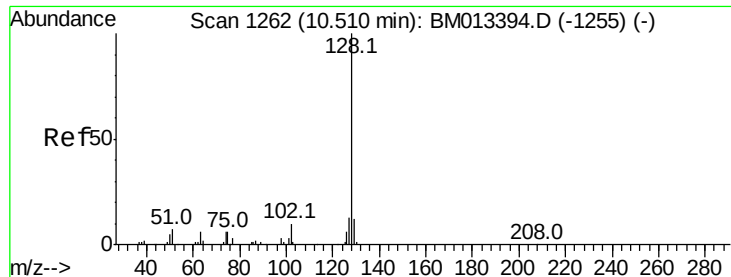
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	3405	0.98	ng/uL	0.01
5) Phenol-d5	6.86	99	52724	3.53	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	37103	4.35	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	46741	4.00	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	45090	3.53	ng/ul	0.00
19) Nitrobenzene-d5	8.84	128	25147	4.31	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	23566	3.78	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	45345	3.53	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	54808	4.64	ng/ul	0.00
43) Dimethylphthalate-d6	13.74	166	180978	4.40	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	212930	4.19	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	15182	2.12	ng/ul	0.01
57) Fluorene-d10	15.32	176	166417	4.70	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	14525	1.98	ng/ul	0.00
70) Anthracene-d10	17.17	188	262238	4.48	ng/ul	0.00
76) Pyrene-d10	19.47	212	303642	4.37	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	254293	3.99	ng/ul	0.00

Target Compounds

					Ovalue
28) Naphthalene	10.51	128	185338	4.900	ng/ul 98
34) 2-Methylnaphthalene	12.13	142	180918	6.363	ng/ul 93
49) Acenaphthene	14.39	153	2112043	65.994	ng/ul 99
53) Dibenzofuran	14.73	168	1635411	34.615	ng/ul 100
58) Fluorene	15.38	166	1825366	46.702	ng/ul 100
69) Phenanthrene	17.13	178	11664439	175.833	ng/ul 99
71) Anthracene	17.21	178	732875	10.808	ng/ul 97
72) Carbazole	17.48	167	407226	6.982	ng/ul 98
74) Fluoranthene	19.14	202	7786076	95.775	ng/ul# 93
77) Pyrene	19.50	202	5106407	60.302	ng/ul# 92
80) Benzo(a)anthracene	21.25	228	1161160	13.130	ng/ul 99
82) Chrysene	21.30	228	899287	10.961	ng/ul 96
85) Benzo(b)fluoranthene	22.82	252	512628	6.072	ng/ul# 98
86) Benzo(k)fluoranthene	22.86	252	174270	2.193	ng/ul# 98
88) Benzo(a)pyrene	23.39	252	254510	3.356	ng/ul# 98

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



#28

Naphthalene

Concen: 4.900 ng/ul

RT: 10.51 min Scan# 1262

Delta R.T. 0.00 min

Lab File: BM013397.D

Acq: 14 Dec 2017 05:05

Instrument :

BNA_M

ClientSampleId :

F9A20ME

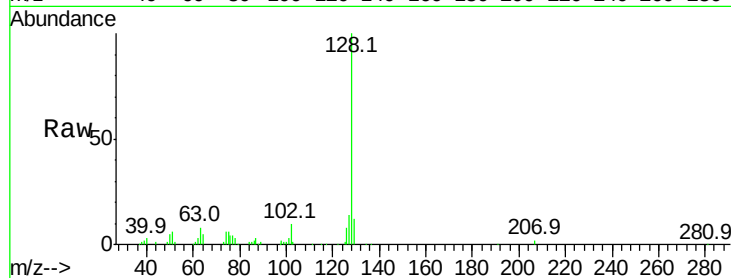
Tot Ion:128 Resp: 185338

Ion Ratio Lower Upper

128 100

129 12.1 8.8 13.2

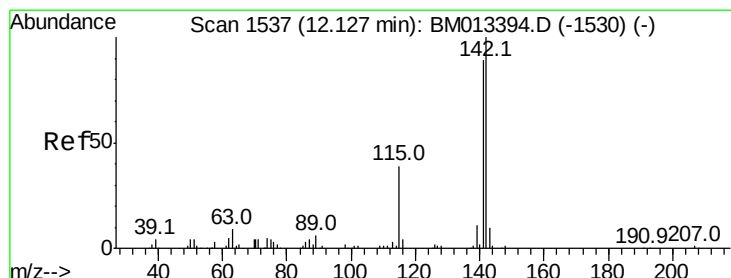
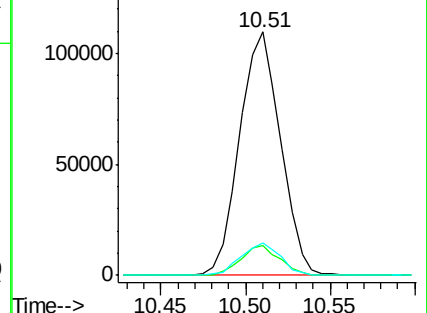
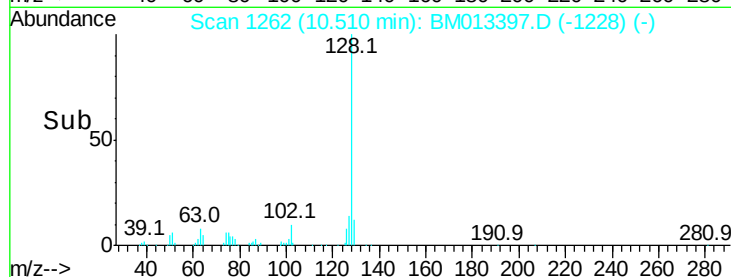
127 13.6 10.6 16.0



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: 6.363 ng/ul

RT: 12.13 min Scan# 1537

Delta R.T. 0.00 min

Lab File: BM013397.D

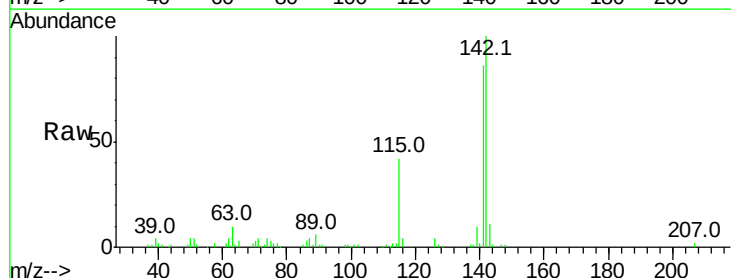
Acq: 14 Dec 2017 05:05

Tgt Ion:142 Resp: 180918

Ion Ratio Lower Upper

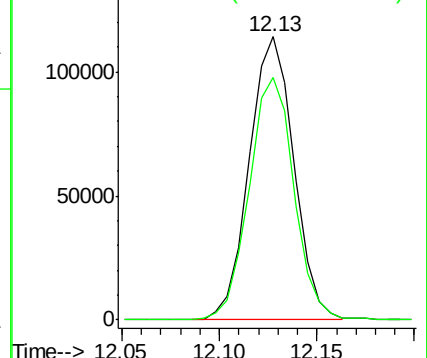
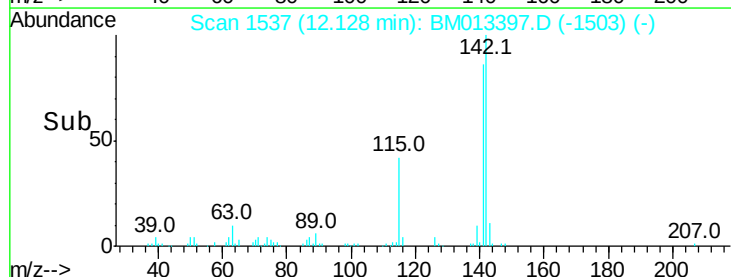
142 100

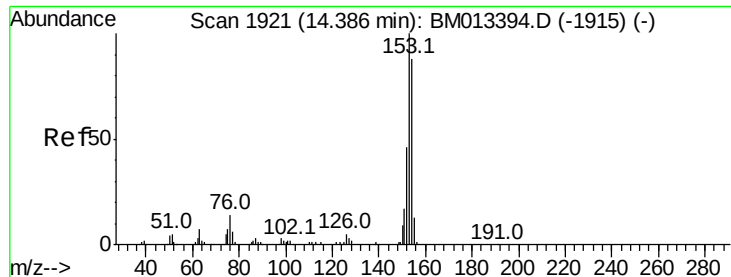
141 85.7 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#49

Acenaphthene

Concen: 65.994 ng/ul

RT: 14.39 min Scan# 1922

Delta R.T. 0.01 min

Lab File: BM013397.D

Acq: 14 Dec 2017 05:05

Instrument :

BNA_M

ClientSampleId :

F9A20ME

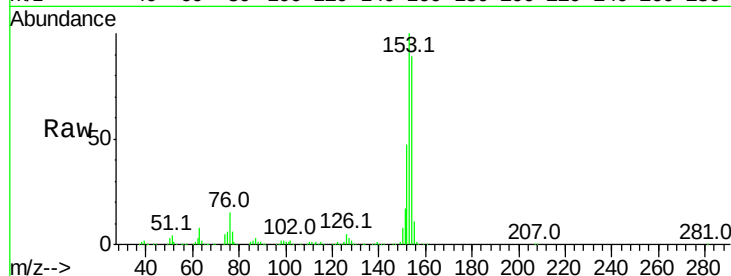
Tot Ion:153 Resp: 2112043

Ion Ratio Lower Upper

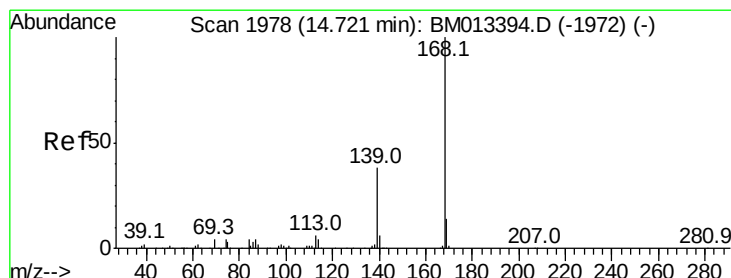
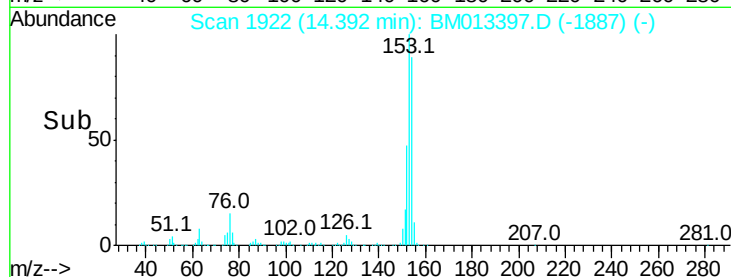
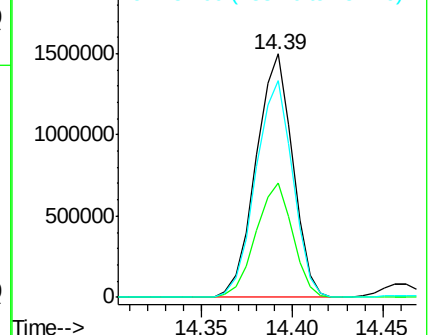
153 100

152 47.2 37.6 56.4

154 89.1 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: 34.615 ng/ul

RT: 14.73 min Scan# 1979

Delta R.T. 0.01 min

Lab File: BM013397.D

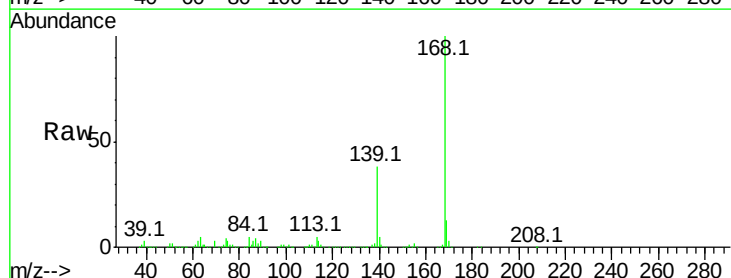
Acq: 14 Dec 2017 05:05

Tgt Ion:168 Resp: 1635411

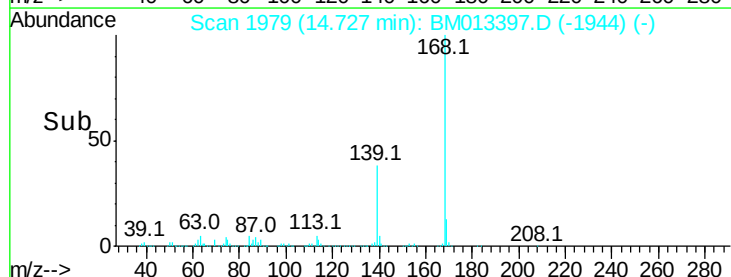
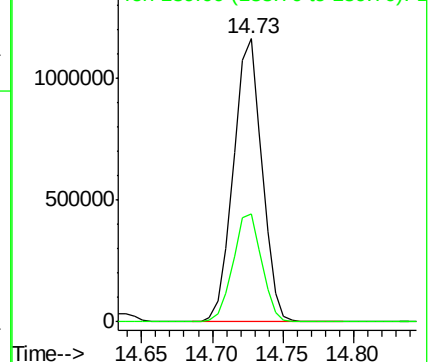
Ion Ratio Lower Upper

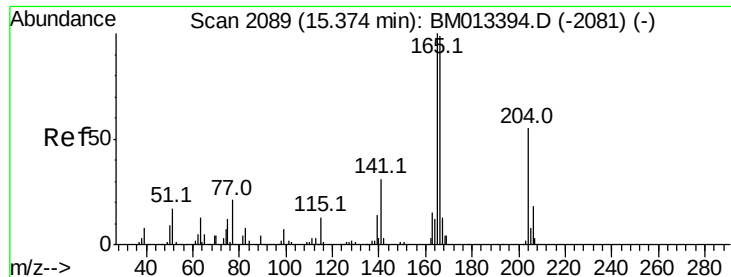
168 100

139 38.2 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E

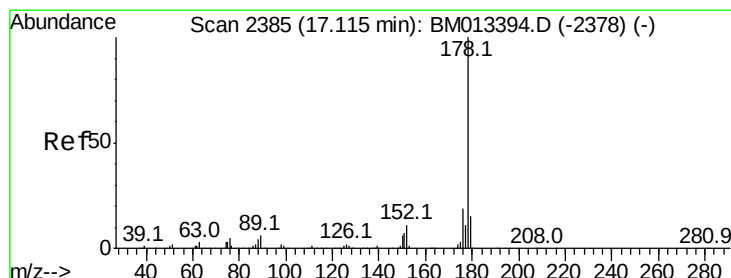
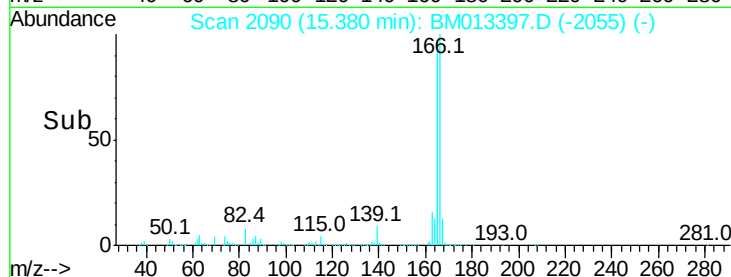
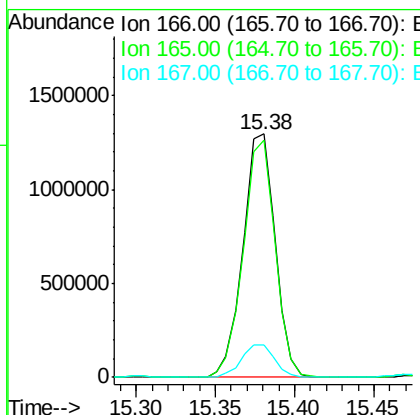
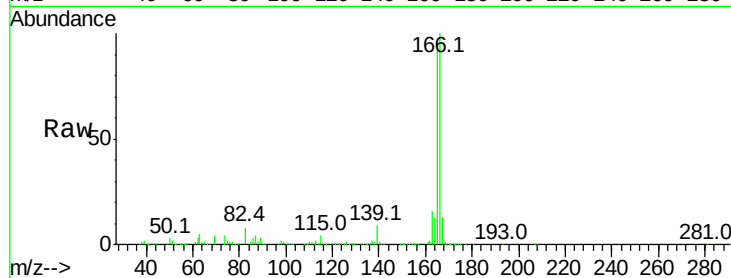




#58
 Fluorene
 Concen: 46.702 ng/ul
 RT: 15.38 min Scan# 2090
 Delta R.T. 0.01 min
 Lab File: BM013397.D
 Acq: 14 Dec 2017 05:05

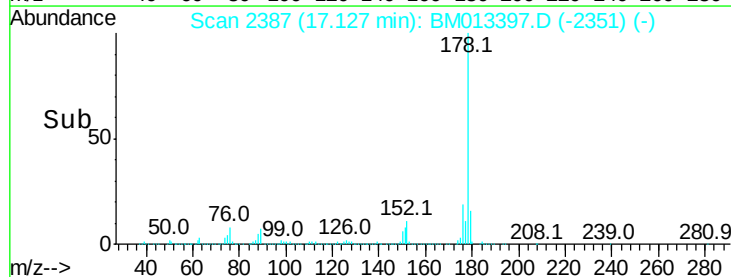
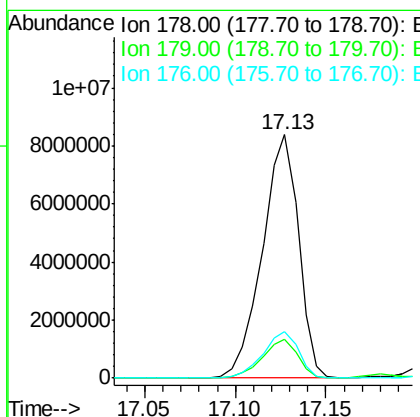
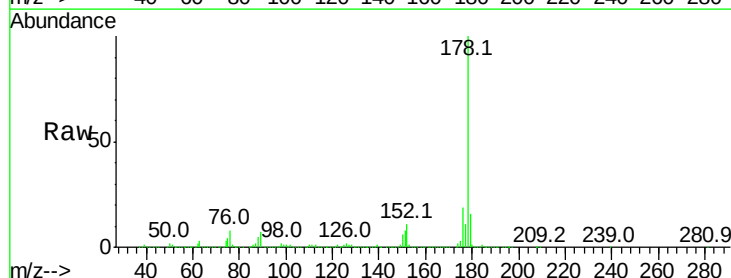
Instrument :
 BNA_M
 ClientSampleId :
 F9A20ME

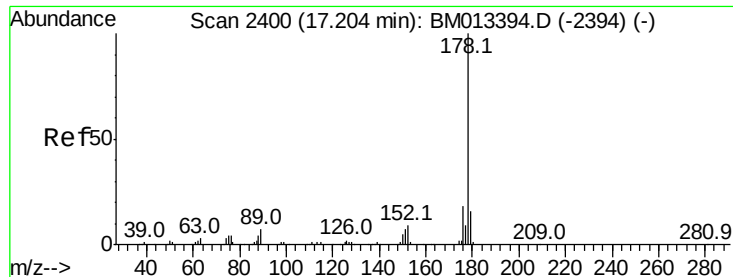
Tot Ion:166 Resp: 1825366
 Ion Ratio Lower Upper
 166 100
 165 97.3 77.9 116.9
 167 13.3 10.6 16.0



#69
 Phenanthrene
 Concen: 175.833 ng/ul
 RT: 17.13 min Scan# 2387
 Delta R.T. 0.01 min
 Lab File: BM013397.D
 Acq: 14 Dec 2017 05:05

Tgt Ion:178 Resp:11664439
 Ion Ratio Lower Upper
 178 100
 179 16.0 12.6 19.0
 176 19.3 14.9 22.3





#71

Anthracene

Concen: 10.808 ng/ul

RT: 17.21 min Scan# 2401

Delta R.T. 0.01 min

Lab File: BM013397.D

Acq: 14 Dec 2017 05:05

Instrument :

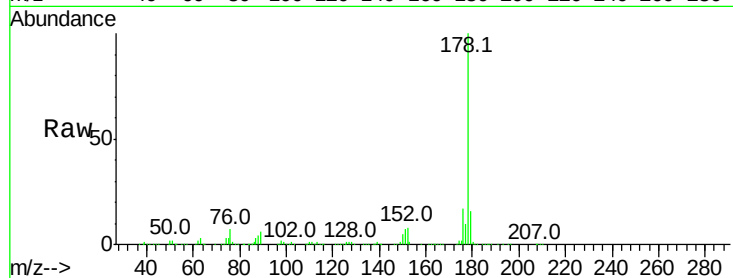
BNA_M

ClientSampleId :

F9A20ME

Tot Ion:178 Resp: 732875

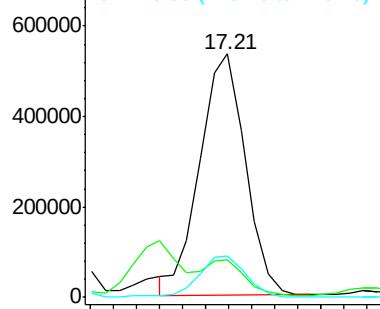
Ion	Ratio	Lower	Upper
178	100		
179	15.5	11.7	17.5
176	17.0	14.6	21.8



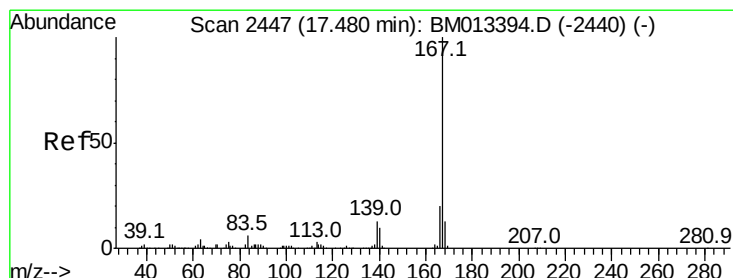
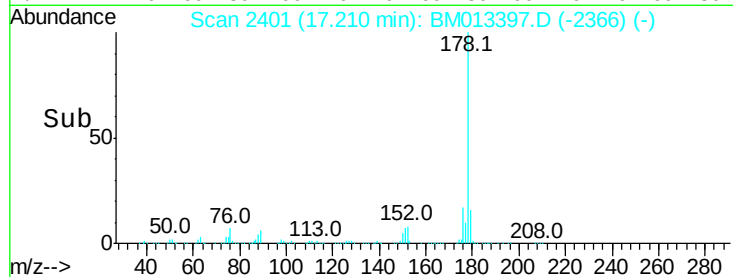
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time--> 17.15 17.20 17.25



#72

Carbazole

Concen: 6.982 ng/ul

RT: 17.48 min Scan# 2447

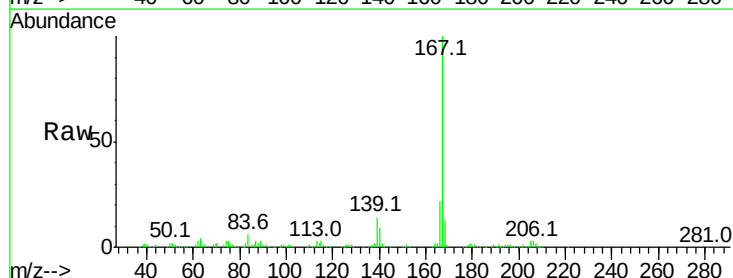
Delta R.T. 0.00 min

Lab File: BM013397.D

Acq: 14 Dec 2017 05:05

Tgt Ion:167 Resp: 407226

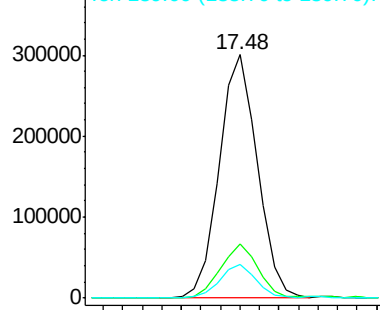
Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.1	25.7
139	13.7	10.0	15.0



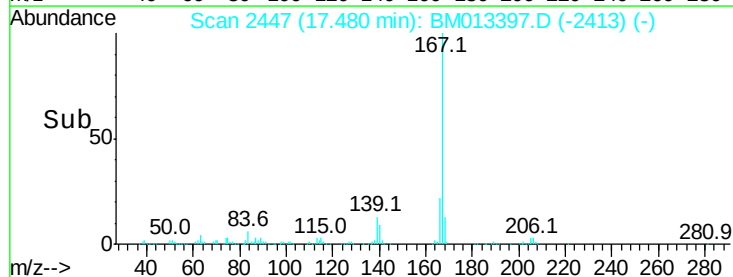
Abundance Ion 167.00 (166.70 to 167.70): E

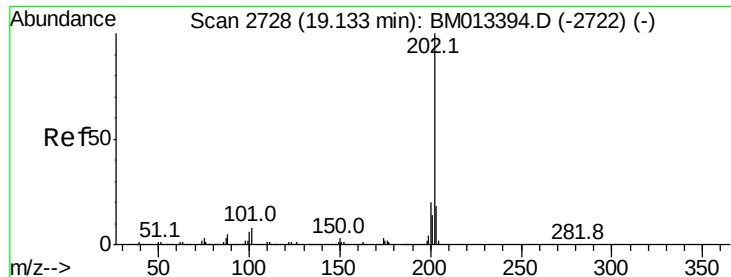
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time--> 17.45 17.50

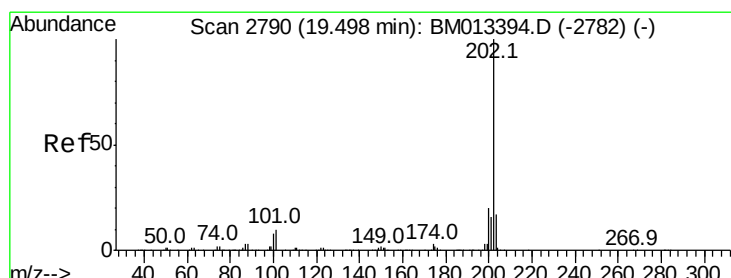
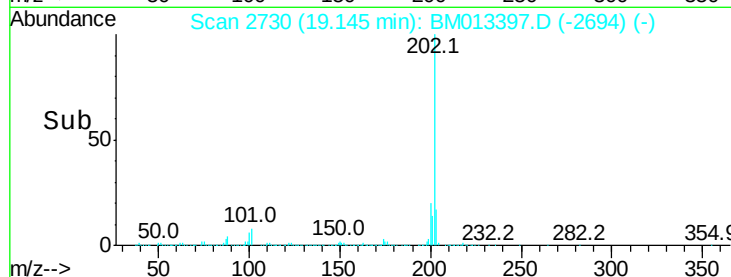
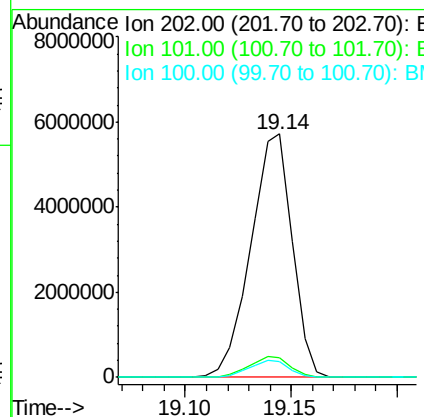
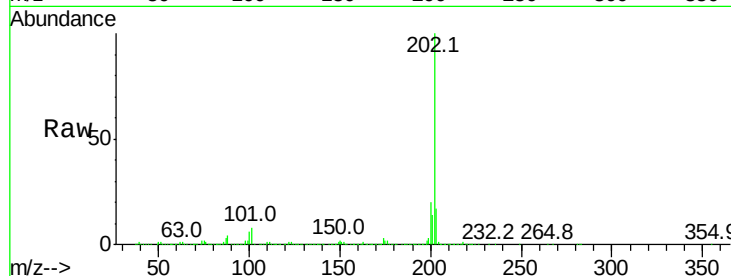




#74
Fluoranthene
Concen: 95.775 ng/ul
RT: 19.14 min Scan# 2730
Delta R.T. 0.01 min
Lab File: BM013397.D
Acq: 14 Dec 2017 05:05

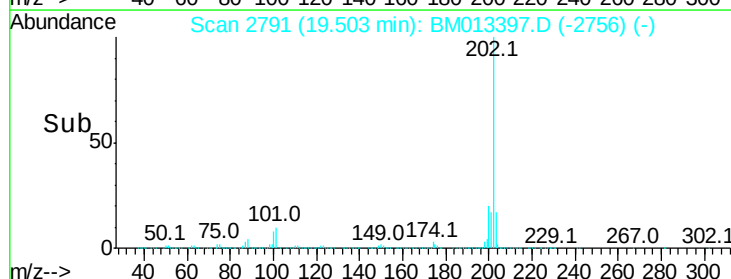
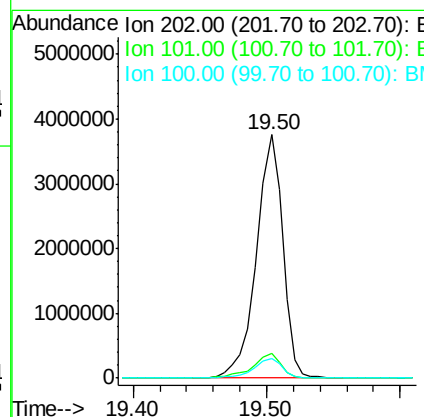
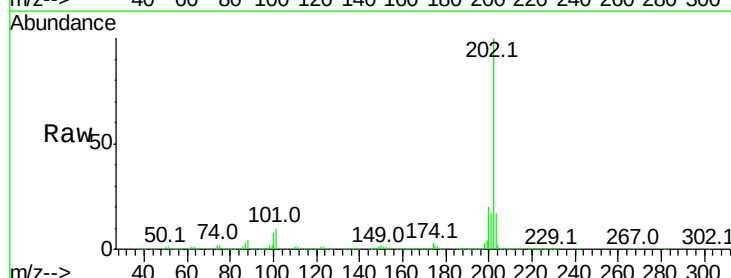
Instrument :
BNA_M
ClientSampleId :
F9A20ME

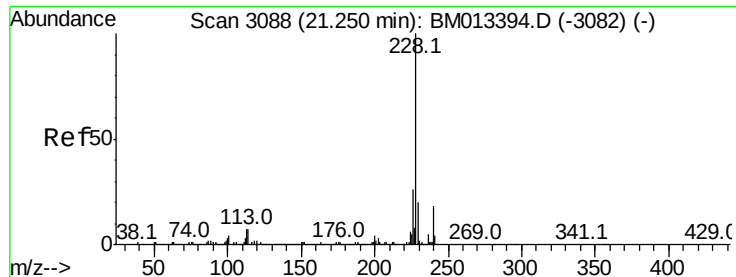
Tot Ion:202 Resp: 7786076
Ion Ratio Lower Upper
202 100
101 8.2 4.6 7.0#
100 6.5 3.4 5.2#



#77
Pyrene
Concen: 60.302 ng/ul
RT: 19.50 min Scan# 2791
Delta R.T. 0.01 min
Lab File: BM013397.D
Acq: 14 Dec 2017 05:05

Tgt Ion:202 Resp: 5106407
Ion Ratio Lower Upper
202 100
101 9.9 5.1 7.7#
100 8.2 4.9 7.3#





#80

Benzo(a)anthracene

Concen: 13.130 ng/ul

RT: 21.25 min Scan# 3088

Delta R.T. 0.00 min

Lab File: BM013397.D

Acq: 14 Dec 2017 05:05

Instrument :

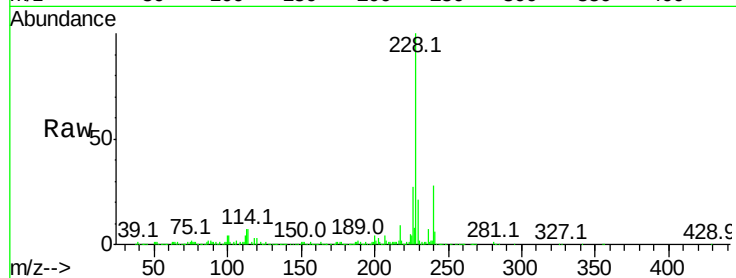
BNA_M

ClientSampleId :

F9A20ME

Tot Ion:228 Resp: 1161160

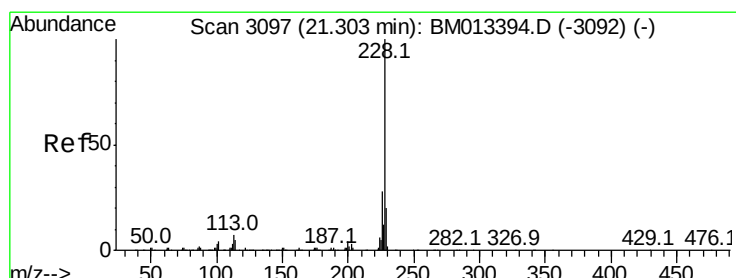
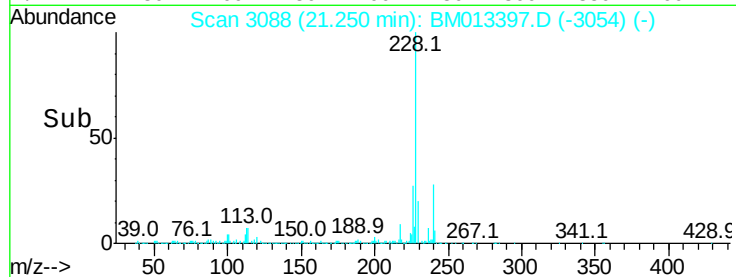
Ion	Ratio	Lower	Upper
228	100		
229	20.5	15.4	23.0
226	26.7	21.4	32.0



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: 10.961 ng/ul

RT: 21.30 min Scan# 3096

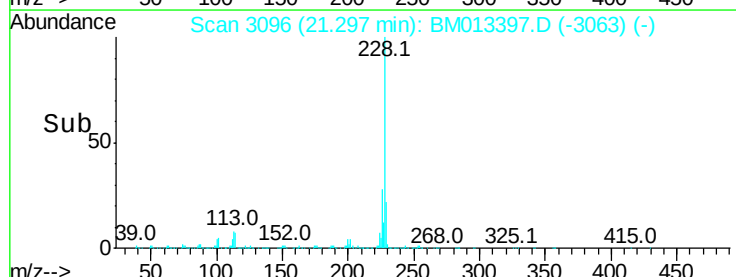
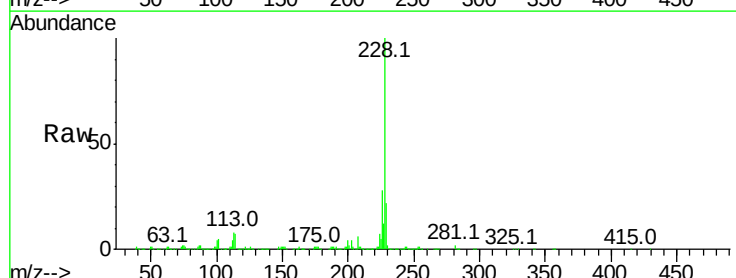
Delta R.T. -0.01 min

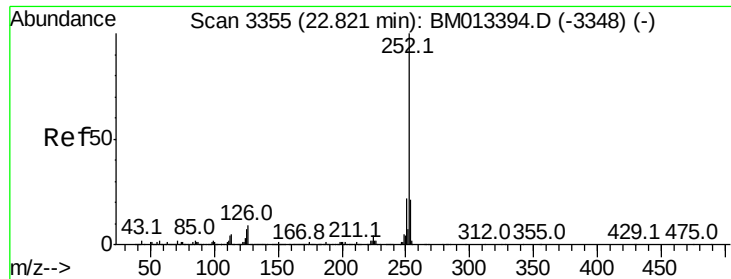
Lab File: BM013397.D

Acq: 14 Dec 2017 05:05

Tgt Ion:228 Resp: 899287

Ion	Ratio	Lower	Upper
228	100		
226	28.0	23.4	35.2
229	21.8	15.5	23.3





#85

Benzo(b)fluoranthene

Concen: 6.072 ng/ul

RT: 22.82 min Scan# 3355

Delta R.T. 0.00 min

Lab File: BM013397.D

Acq: 14 Dec 2017 05:05

Instrument :

BNA_M

ClientSampleId :

F9A20ME

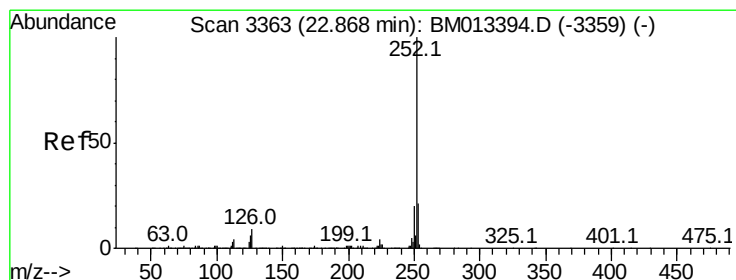
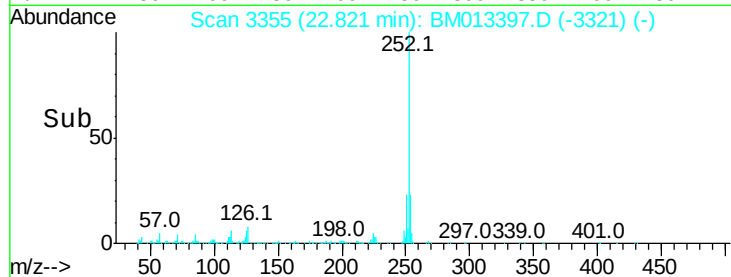
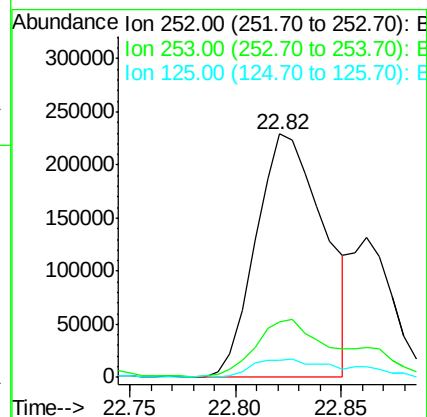
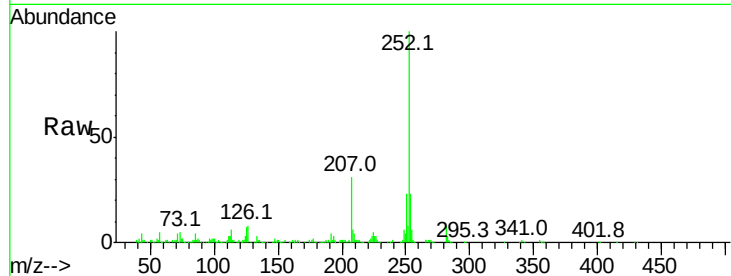
Tot Ion:252 Resp: 512628

Ion Ratio Lower Upper

252 100

253 23.0 17.9 26.9

125 6.8 3.6 5.4#



#86

Benzo(k)fluoranthene

Concen: 2.193 ng/ul

RT: 22.86 min Scan# 3362

Delta R.T. -0.01 min

Lab File: BM013397.D

Acq: 14 Dec 2017 05:05

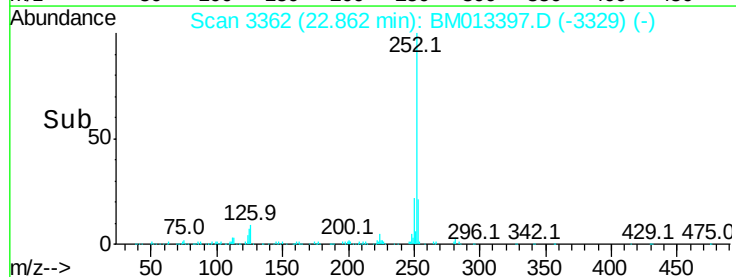
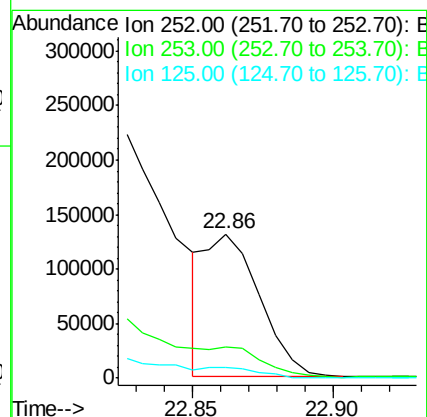
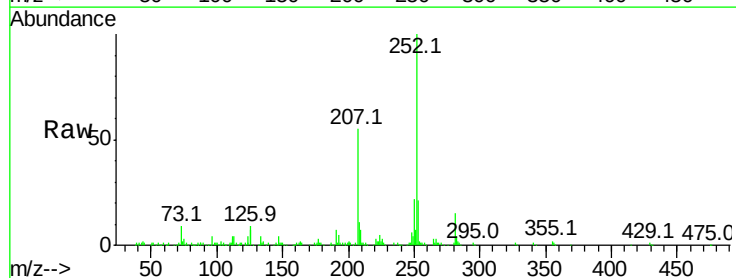
Tgt Ion:252 Resp: 174270

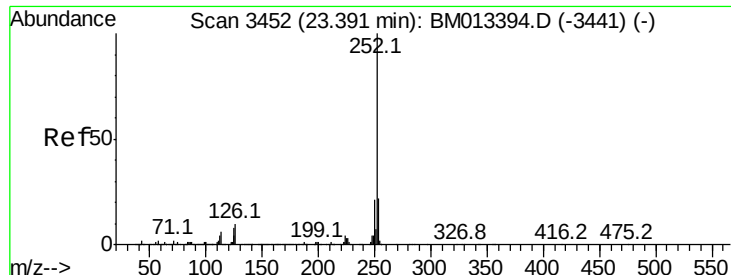
Ion Ratio Lower Upper

252 100

253 21.3 17.1 25.7

125 7.4 3.4 5.2#





#88

Benzo(a)pyrene

Concen: 3.356 ng/ul

RT: 23.39 min Scan# 3452

Delta R.T. 0.00 min

Lab File: BM013397.D

Acq: 14 Dec 2017 05:05

Instrument :

BNA_M

ClientSampleId :

F9A20ME

Tot Ion:252 Resp: 254510

Ion Ratio Lower Upper

252 100

253 22.7 18.2 27.2

125 8.9 4.0 6.0#

