

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
 Data File : BM013993.D
 Acq On : 30 Jan 2018 12:34
 Operator : SJ/JU
 Sample : J1244-10ME 5X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jan 30 13:15:25 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 30 07:49:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	77447	20.00	ng/ul	0.00
18) Naphthalene-d8	10.34	136	314844	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	205594	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.97	188	510031	20.00	ng/ul	0.00
75) Chrysene-d12	21.18	240	642225	20.00	ng/ul	0.00
83) Perylene-d12	23.36	264	636022	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	1291	0.66	ng/uL	0.00
5) Phenol-d5	6.76	99	12338	2.08	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	15415	4.28	ng/ul	0.00
9) 2-Chlorophenol-d4	7.12	132	20010	4.13	ng/ul	0.01
13) 4-Methylphenol-d8	8.30	113	20669	4.52	ng/ul	0.01
19) Nitrobenzene-d5	8.75	128	11028	4.51	ng/ul	0.02
22) 2-Nitrophenol-d4	9.45	143	11999	4.65	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.00	165	21227	4.26	ng/ul	0.02
29) 4-Chloroaniline-d4	10.52	131	25385	5.87	ng/ul	0.02
43) Dimethylphthalate-d6	13.65	166	97958	5.78	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	117200	5.42	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	3570	1.30	ng/ul	0.06
57) Fluorene-d10	15.22	176	87458	5.87	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	6383	2.08	ng/ul	0.02
70) Anthracene-d10	16.97	188	510031	20.53	ng/ul	-0.10
76) Pyrene-d10	19.38	212	171011	5.72	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.23	264	170701	5.84	ng/ul	0.00

Target Compounds

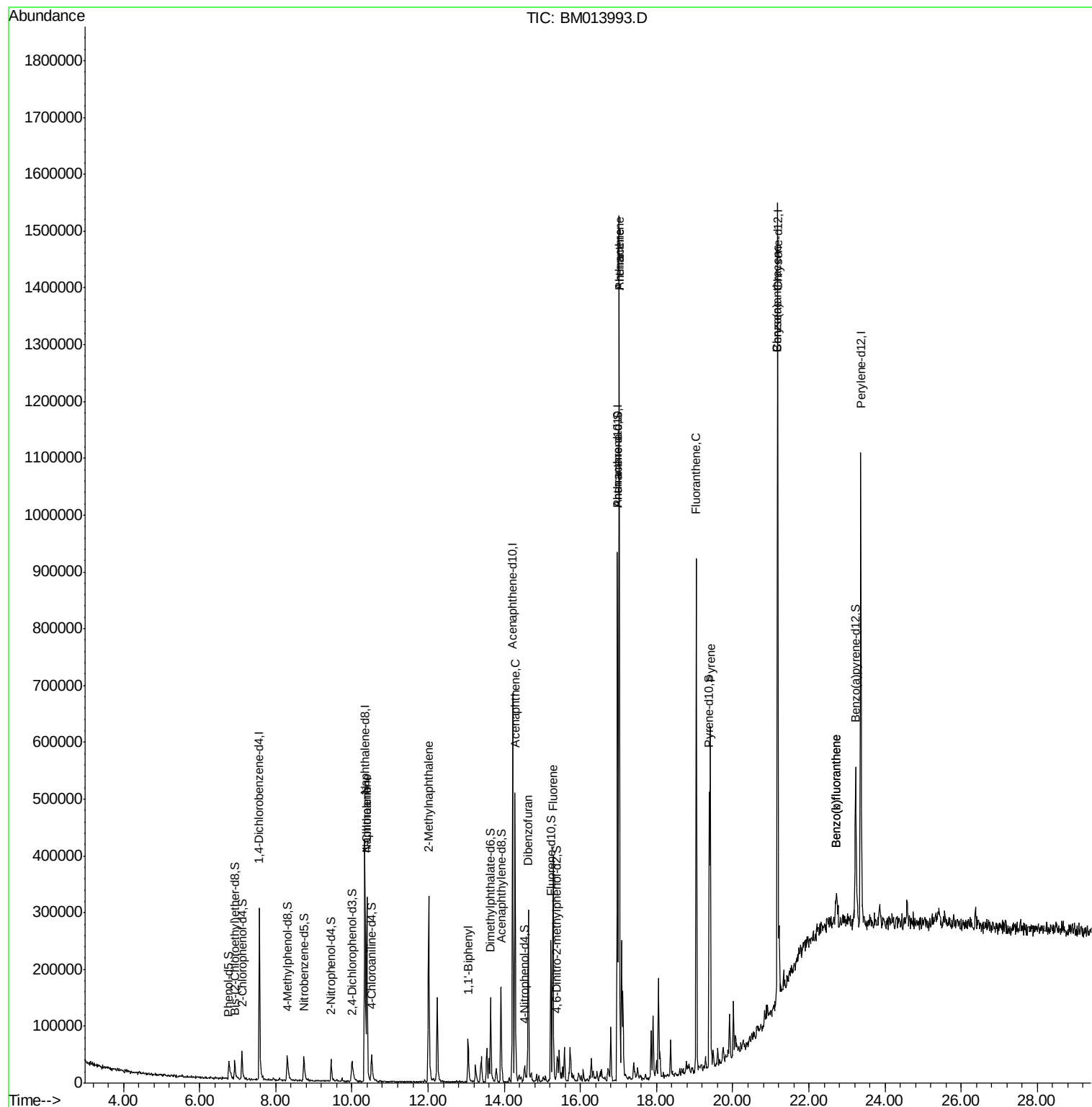
					Ovalue	
28) Naphthalene	10.39	128	247847	15.823	ng/ul	96
30) 4-Chloroaniline	10.39	127	32062	7.473	ng/ul#	28
34) 2-Methylnaphthalene	12.02	142	158559	13.577	ng/ul	93
40) 1,1'-Biphenyl	13.05	154	44265	2.587	ng/ul	90
49) Acenaphthene	14.29	153	193514	14.133	ng/ul	94
53) Dibenzofuran	14.63	168	183849	8.925	ng/ul	98
58) Fluorene	15.28	166	179780	10.655	ng/ul	97
69) Phenanthrene	17.02	178	909258	32.072	ng/ul	100
71) Anthracene	17.02	178	909258	31.094	ng/ul	98
74) Fluoranthene	19.04	202	536628	15.857	ng/ul#	97
77) Pyrene	19.41	202	358991	9.195	ng/ul#	96
80) Benzo(a)anthracene	21.17	228	79841	2.057	ng/ul	99
82) Chrysene	21.17	228	79841	2.243	ng/ul	96
85) Benzo(b)fluoranthene	22.73	252	42684	1.093	ng/ul#	95
86) Benzo(k)fluoranthene	22.73	252	42684	1.131	ng/ul#	93

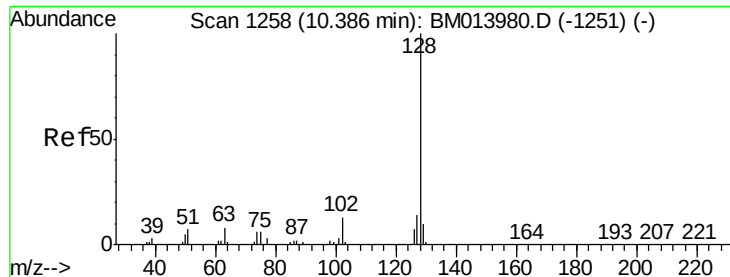
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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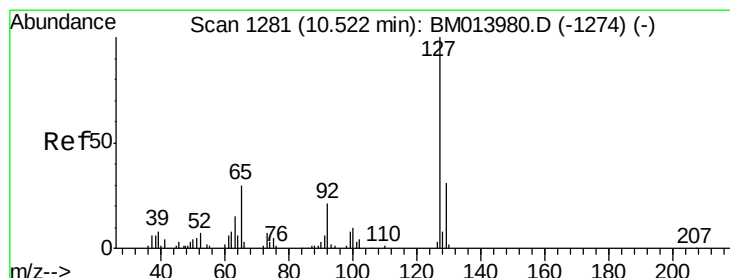
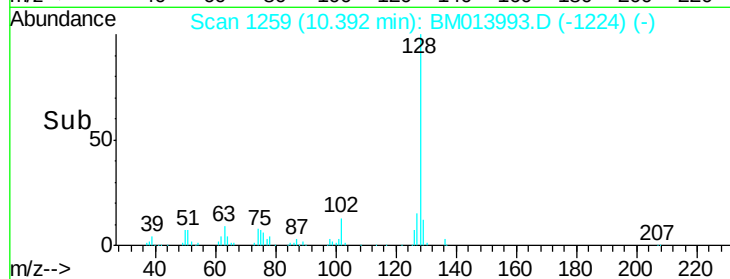
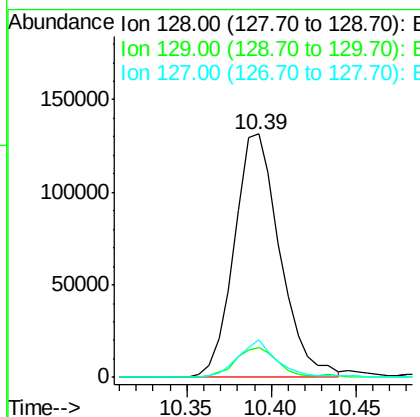
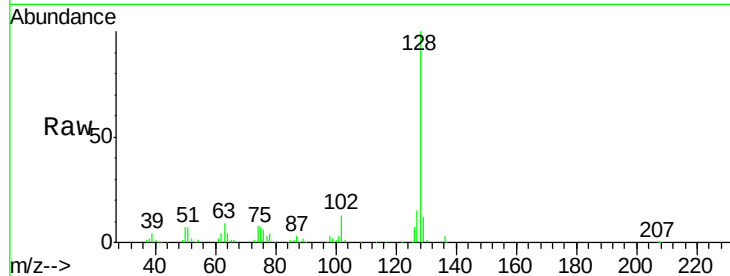




#28
Naphthalene
Concen: 15.823 ng/ul
RT: 10.39 min Scan# 1259
Delta R.T. 0.01 min
Lab File: BM013993.D
Acq: 30 Jan 2018 12:34

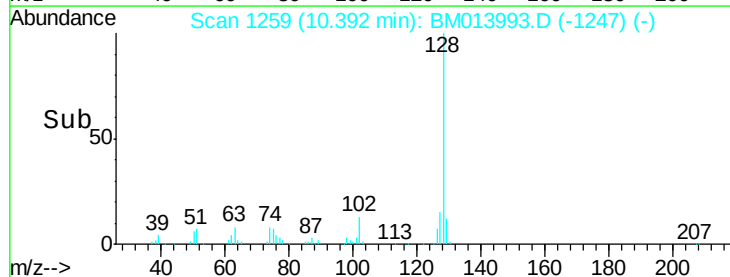
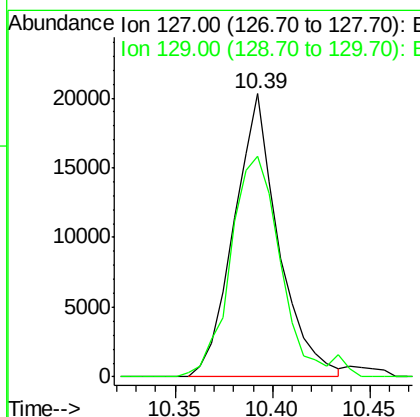
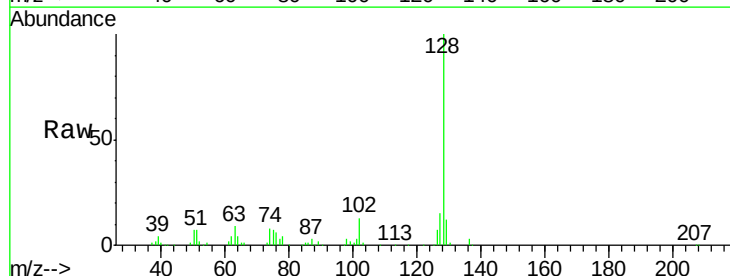
Instrument :
BNA_M
ClientSampleId :

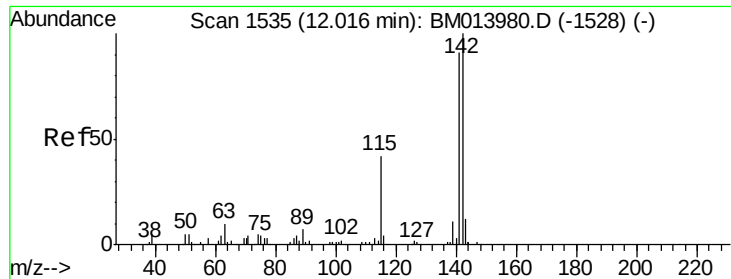
Tot Ion:128 Resp: 247847
Ion Ratio Lower Upper
128 100
129 12.0 8.8 13.2
127 15.4 10.6 16.0



#30
4-Chloroaniline
Concen: 7.473 ng/ul
RT: 10.39 min Scan# 1259
Delta R.T. -0.13 min
Lab File: BM013993.D
Acq: 30 Jan 2018 12:34

Tgt Ion:127 Resp: 32062
Ion Ratio Lower Upper
127 100
129 77.9 28.4 42.6#

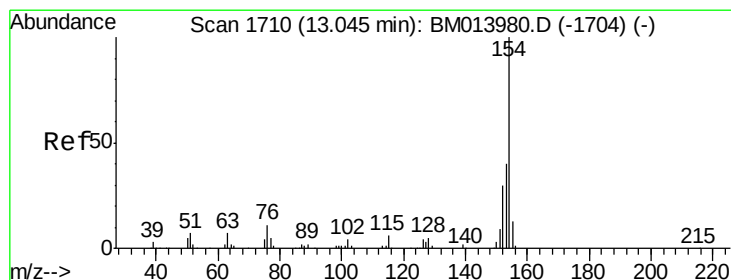
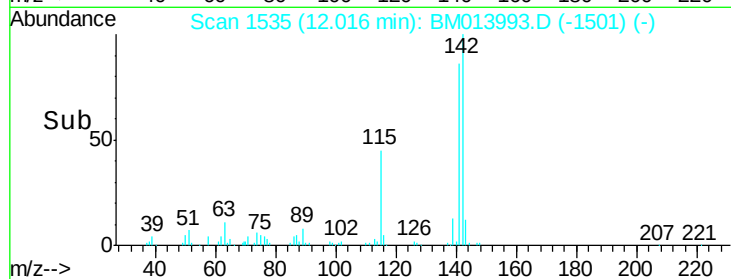
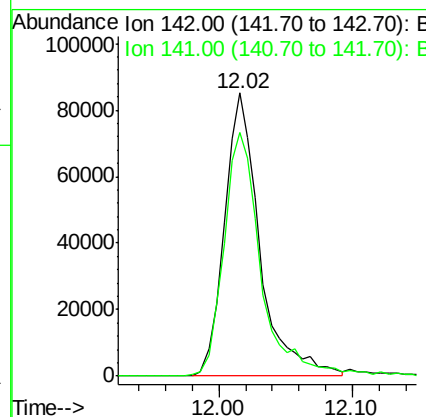
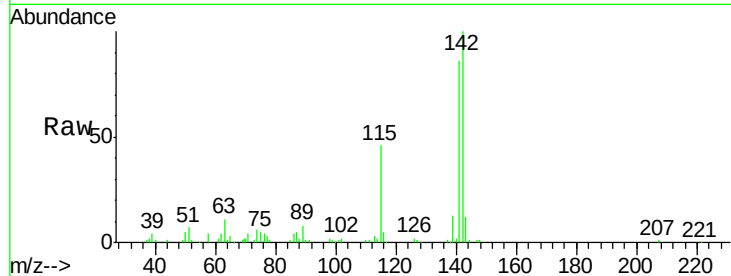




#34
 2-Methylnaphthalene
 Concen: 13.577 ng/ul
 RT: 12.02 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: BM013993.D
 Acq: 30 Jan 2018 12:34

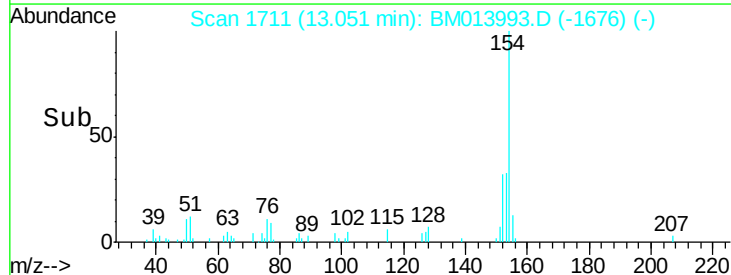
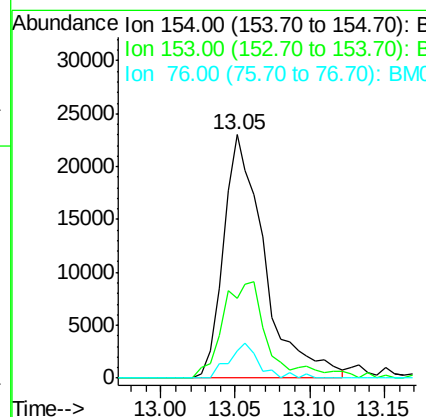
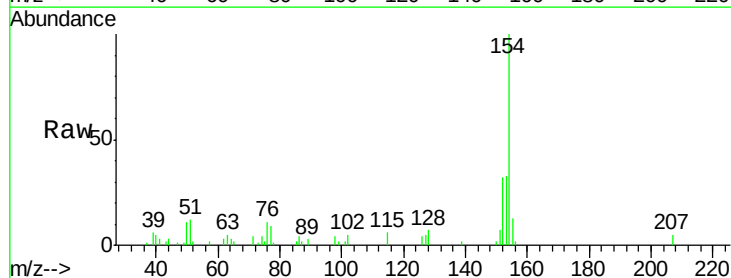
Instrument :
 BNA_M
 ClientSampled :

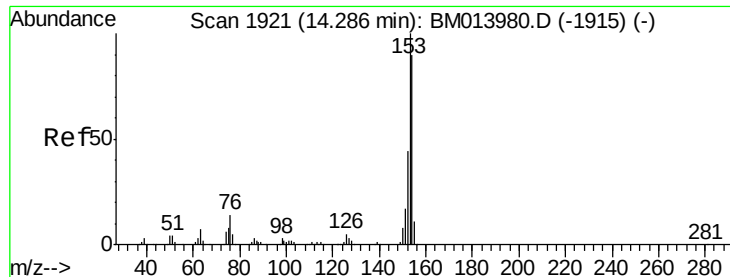
Tot Ion:142 Resp: 158559
 Ion Ratio Lower Upper
 142 100
 141 86.1 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 2.587 ng/ul
 RT: 13.05 min Scan# 1711
 Delta R.T. 0.01 min
 Lab File: BM013993.D
 Acq: 30 Jan 2018 12:34

Tgt Ion:154 Resp: 44265
 Ion Ratio Lower Upper
 154 100
 153 32.8 32.6 48.8
 76 11.0 8.5 12.7





#49

Acenaphthene

Concen: 14.133 ng/ul

RT: 14.29 min Scan# 1921

Delta R.T. 0.00 min

Lab File: BM013993.D

Acq: 30 Jan 2018 12:34

Instrument :

BNA_M

ClientSampleId :

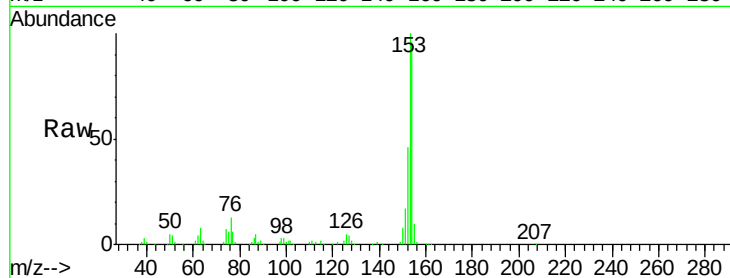
Tot Ion:153 Resp: 193514

Ion Ratio Lower Upper

153 100

152 46.1 37.6 56.4

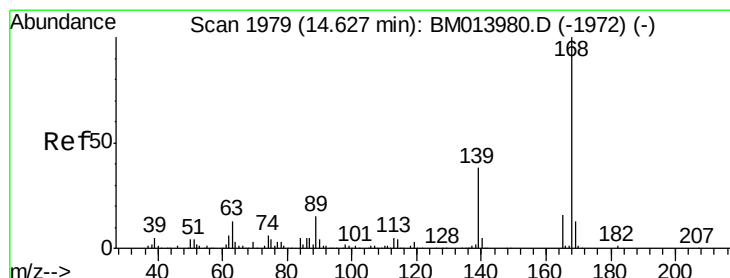
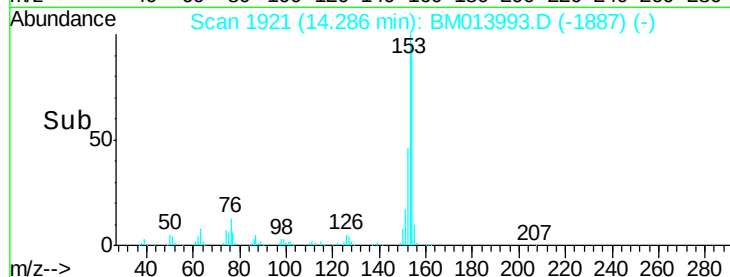
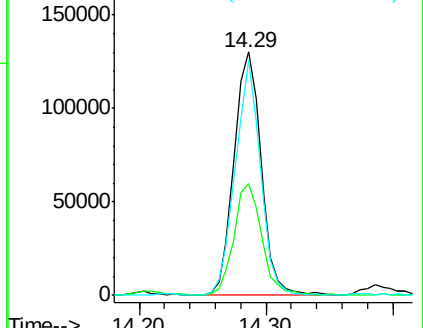
154 96.3 70.4 105.6



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: 8.925 ng/ul

RT: 14.63 min Scan# 1979

Delta R.T. 0.00 min

Lab File: BM013993.D

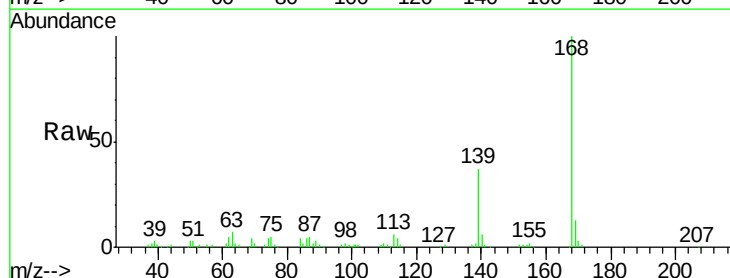
Acq: 30 Jan 2018 12:34

Tgt Ion:168 Resp: 183849

Ion Ratio Lower Upper

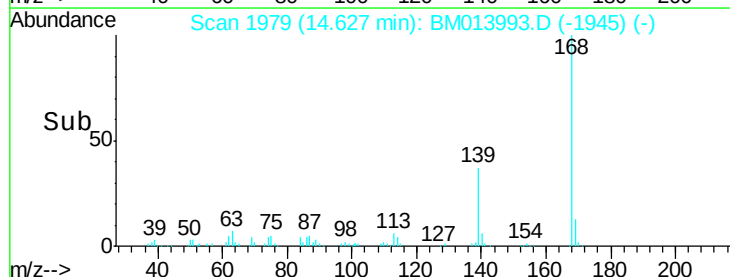
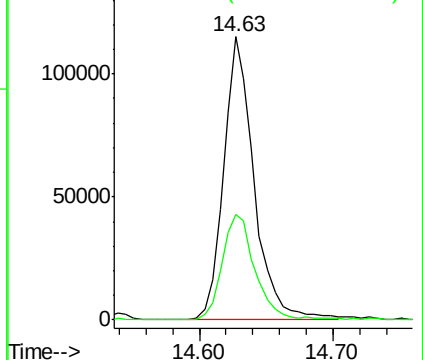
168 100

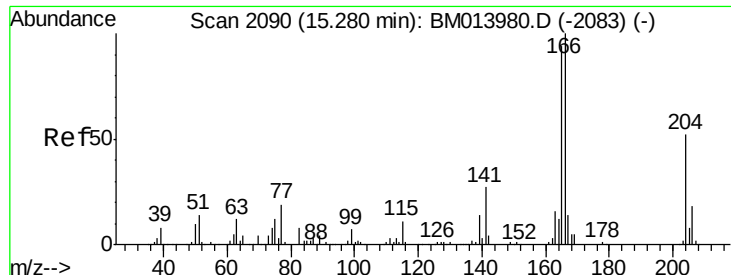
139 37.3 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 10.655 ng/ul

RT: 15.28 min Scan# 2090

Delta R.T. 0.00 min

Lab File: BM013993.D

Acq: 30 Jan 2018 12:34

Instrument :

BNA_M

ClientSampleId :

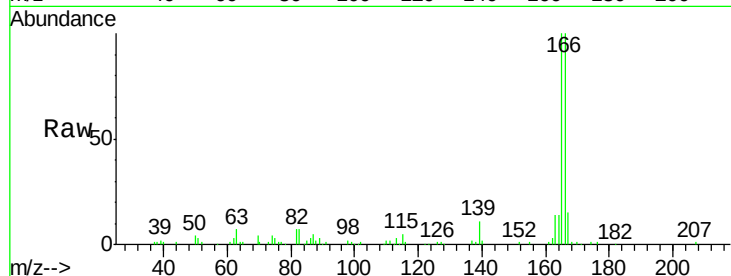
Tot Ion:166 Resp: 179780

Ion Ratio Lower Upper

166 100

165 100.2 77.9 116.9

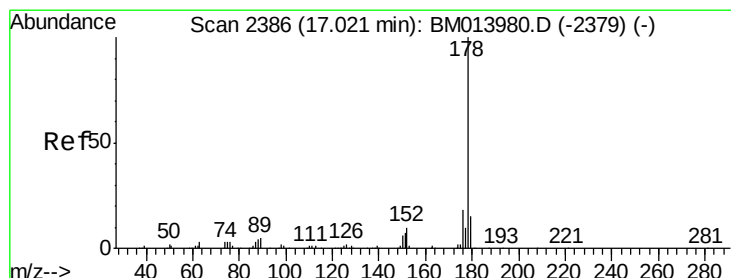
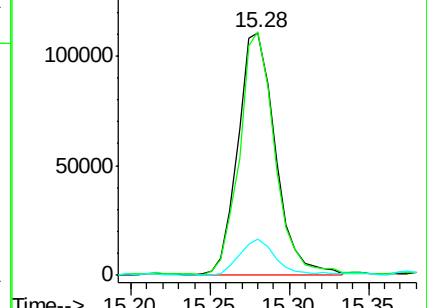
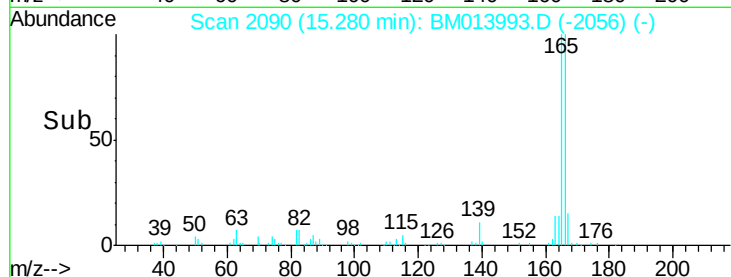
167 15.0 10.6 16.0



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: 32.072 ng/ul

RT: 17.02 min Scan# 2386

Delta R.T. 0.00 min

Lab File: BM013993.D

Acq: 30 Jan 2018 12:34

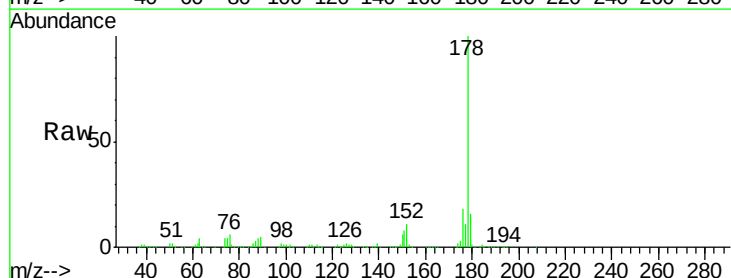
Tgt Ion:178 Resp: 909258

Ion Ratio Lower Upper

178 100

179 16.1 12.6 19.0

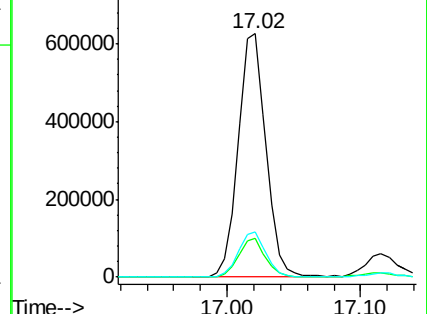
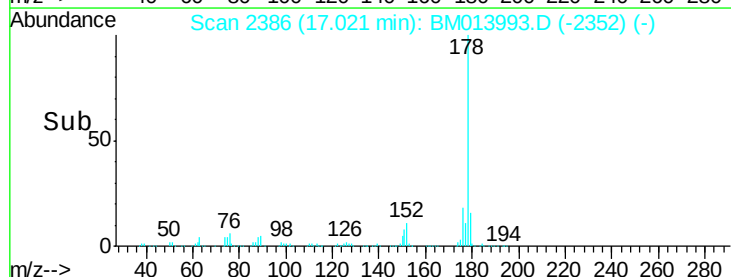
176 18.5 14.9 22.3

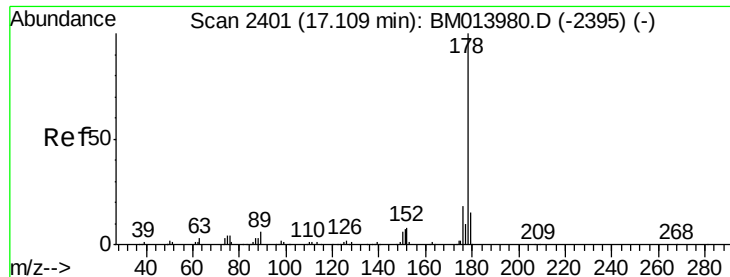


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

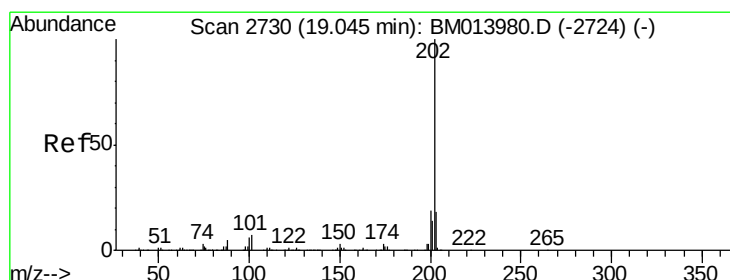
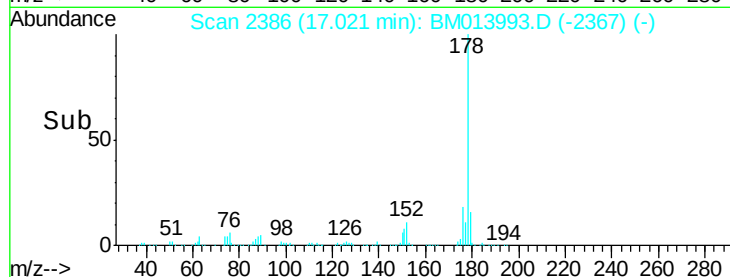
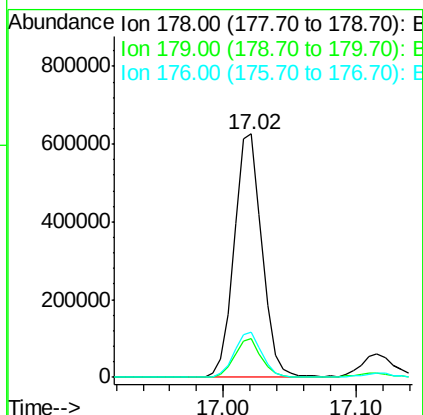
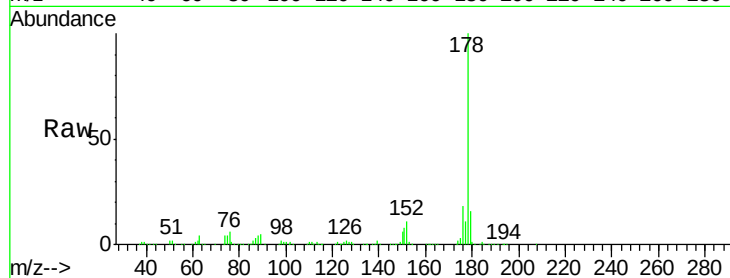




#71
 Anthracene
 Concen: 31.094 ng/ul
 RT: 17.02 min Scan# 2386
 Delta R.T. -0.09 min
 Lab File: BM013993.D
 Acq: 30 Jan 2018 12:34

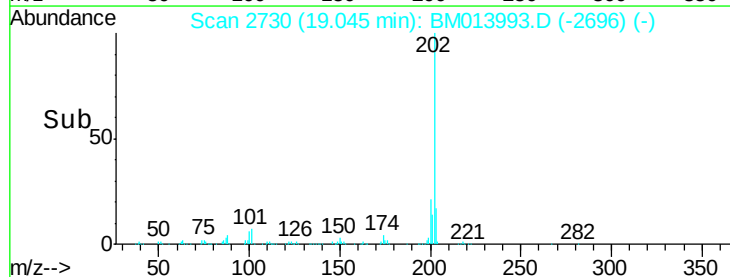
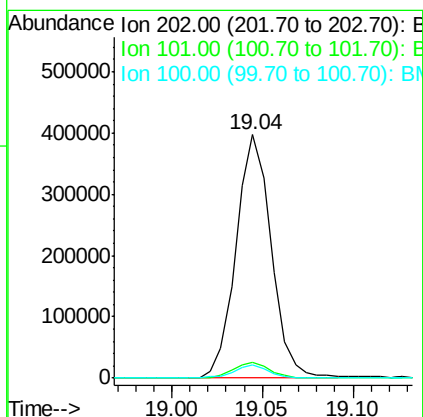
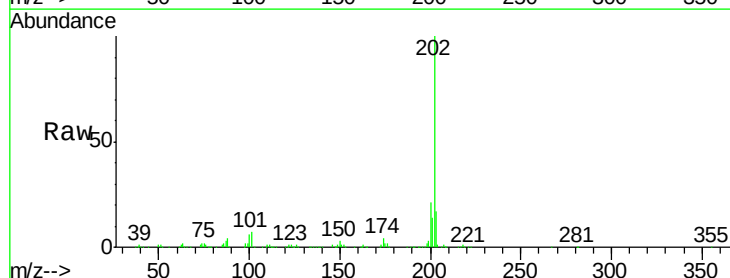
Instrument :
 BNA_M
 ClientSampleId :

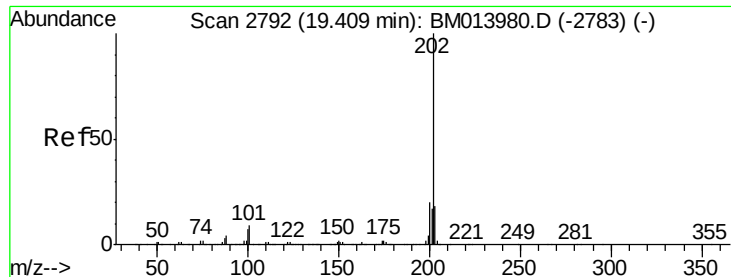
Tot Ion:178 Resp: 909258
 Ion Ratio Lower Upper
 178 100
 179 16.1 11.7 17.5
 176 18.5 14.6 21.8



#74
 Fluoranthene
 Concen: 15.857 ng/ul
 RT: 19.04 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: BM013993.D
 Acq: 30 Jan 2018 12:34

Tgt Ion:202 Resp: 536628
 Ion Ratio Lower Upper
 202 100
 101 6.7 4.6 7.0
 100 5.6 3.4 5.2#





#77

Pvrene

Concen: 9.195 ng/ul

RT: 19.41 min Scan# 2792

Delta R.T. 0.00 min

Lab File: BM013993.D

Acq: 30 Jan 2018 12:34

Instrument :

BNA_M

ClientSampleId :

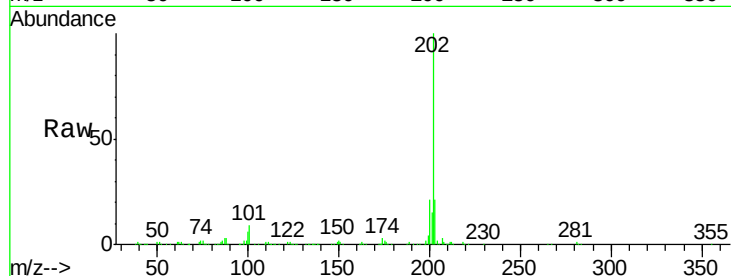
Tot Ion:202 Resp: 358991

Ion Ratio Lower Upper

202 100

101 8.7 5.1 7.7#

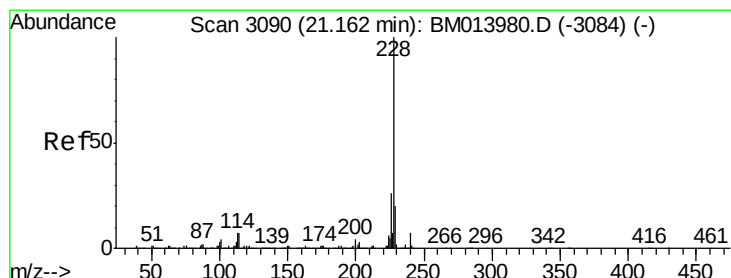
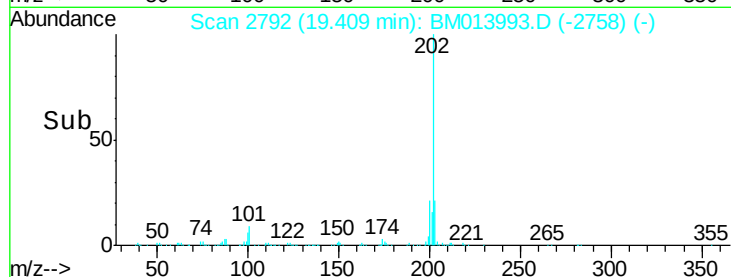
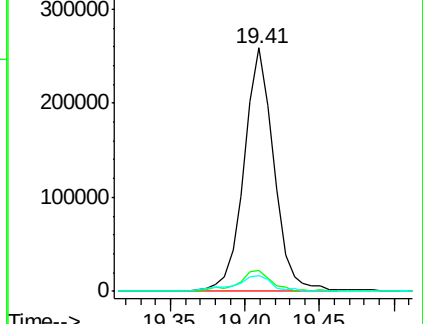
100 6.4 4.9 7.3



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: 2.057 ng/ul

RT: 21.17 min Scan# 3091

Delta R.T. 0.01 min

Lab File: BM013993.D

Acq: 30 Jan 2018 12:34

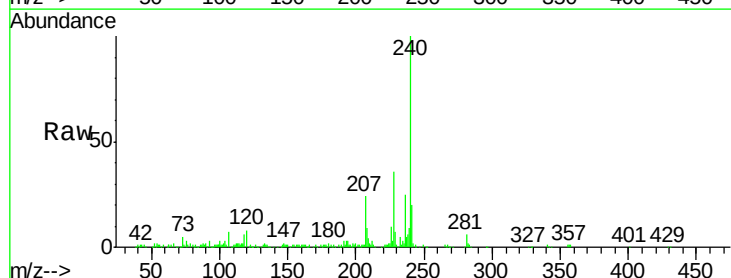
Tgt Ion:228 Resp: 79841

Ion Ratio Lower Upper

228 100

229 18.7 15.4 23.0

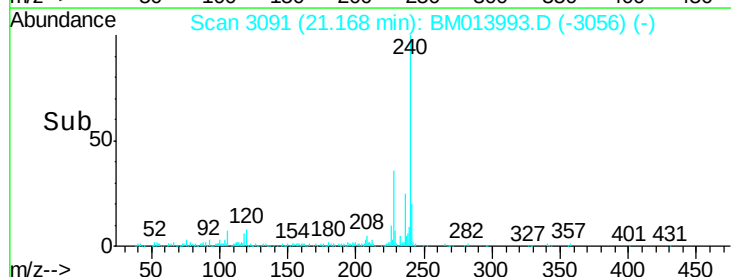
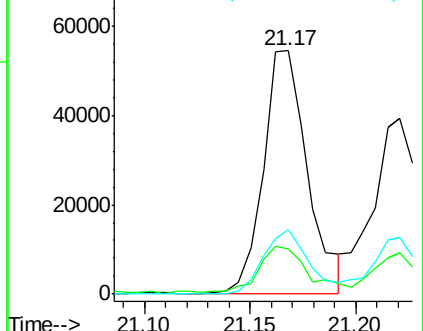
226 26.6 21.4 32.0

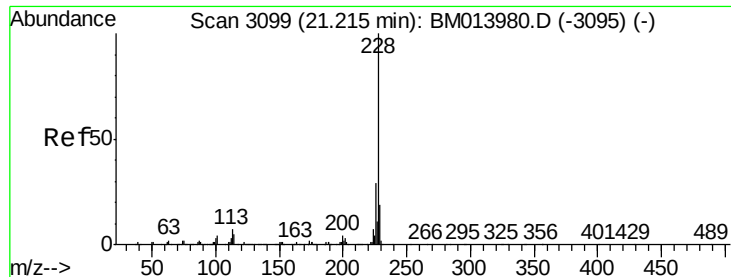


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

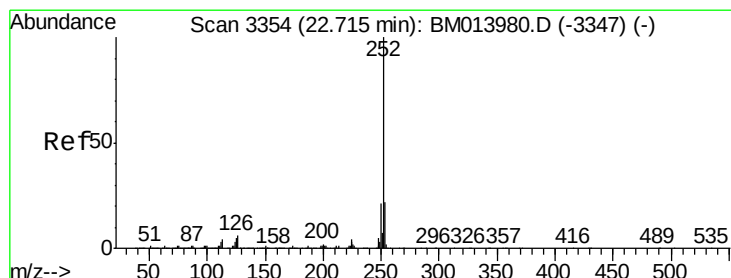
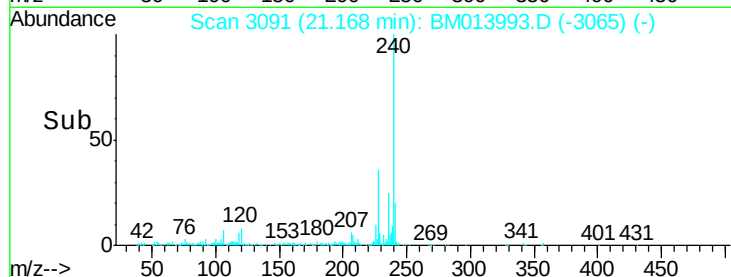
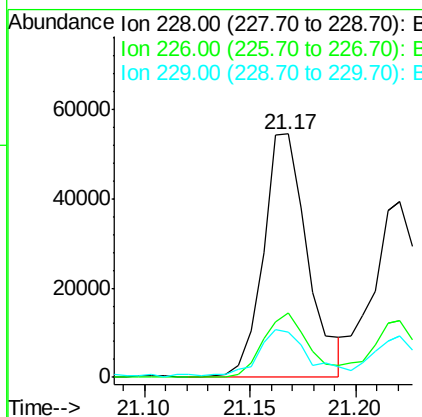
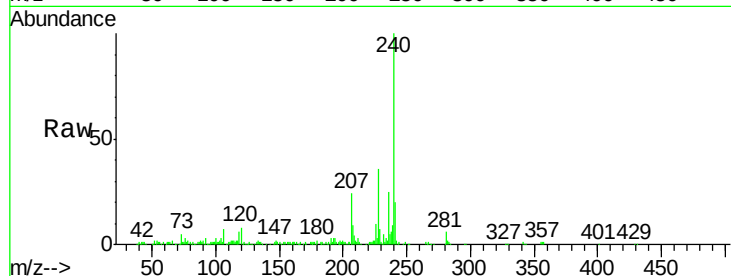




#82
Chrysene
Concen: 2.243 ng/ul
RT: 21.17 min Scan# 3091
Delta R.T. -0.05 min
Lab File: BM013993.D
Acq: 30 Jan 2018 12:34

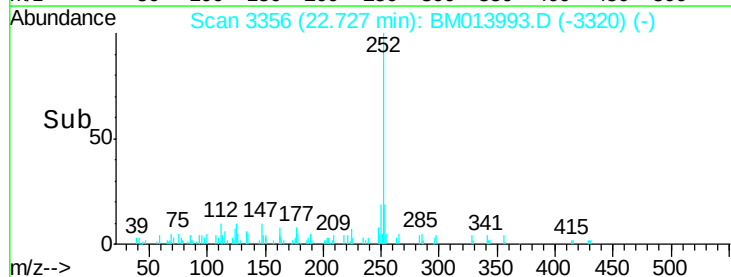
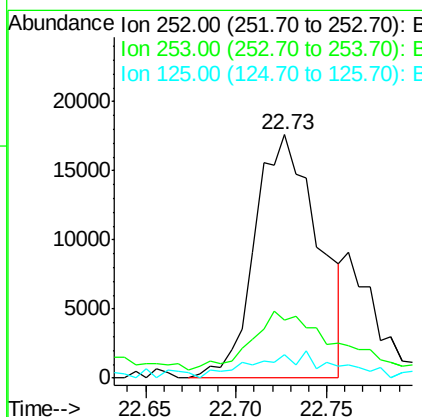
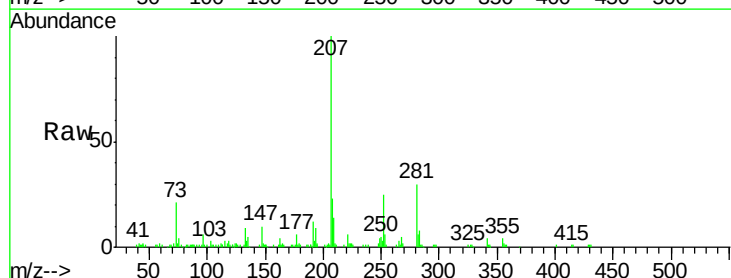
Instrument :
BNA_M
ClientSampleId :

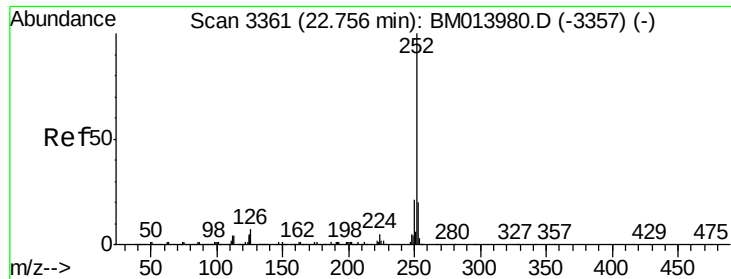
Tot Ion	Ratio	Lower	Upper
228	100		
226	26.6	23.4	35.2
229	18.7	15.5	23.3



#85
Benzo(b)fluoranthene
Concen: 1.093 ng/ul
RT: 22.73 min Scan# 3356
Delta R.T. 0.01 min
Lab File: BM013993.D
Acq: 30 Jan 2018 12:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	9.5	3.6	5.4





#86

Benzo(k)fluoranthene

Concen: 1.131 ng/ul

RT: 22.73 min Scan# 3356

Delta R.T. -0.03 min

Lab File: BM013993.D

Acq: 30 Jan 2018 12:34

Instrument :

BNA_M

ClientSampleId :

Tot Ion:252 Resp: 42684

Ion Ratio Lower Upper

252 100

253 24.1 17.1 25.7

125 9.5 3.4 5.2#

