

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121117\
 Data File : BM013331.D
 Acq On : 12 Dec 2017 07:17
 Operator : SJ/JU
 Sample : I6759-04DL 20X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A03

Quant Time: Dec 12 11:17:31 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 12 10:58:17 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	68138	20.00	ng/ul	0.00
18) Naphthalene-d8	10.47	136	306636	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.33	164	196964	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.08	188	508691	20.00	ng/ul	0.00
75) Chrysene-d12	21.27	240	691571	20.00	ng/ul	0.00
83) Perylene-d12	23.49	264	645695	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.24	96	678	0.49	ng/uL	0.00
5) Phenol-d5	6.87	99	15731	2.67	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.03	67	9508	2.83	ng/ul	0.00
9) 2-Chlorophenol-d4	7.23	132	13083	2.84	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	12164	2.42	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	7636	3.14	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	6779	2.60	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	13313	2.48	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	19469	3.95	ng/ul	0.01
43) Dimethylphthalate-d6	13.74	166	55413	3.16	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	67617	3.13	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	2119	0.70	ng/ul	0.02
57) Fluorene-d10	15.32	176	49376	3.28	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	3894	1.22	ng/ul	0.00
70) Anthracene-d10	17.17	188	84072	3.30	ng/ul	0.00
76) Pyrene-d10	19.47	212	106403	3.09	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	103978	3.16	ng/ul	0.00

Target Compounds

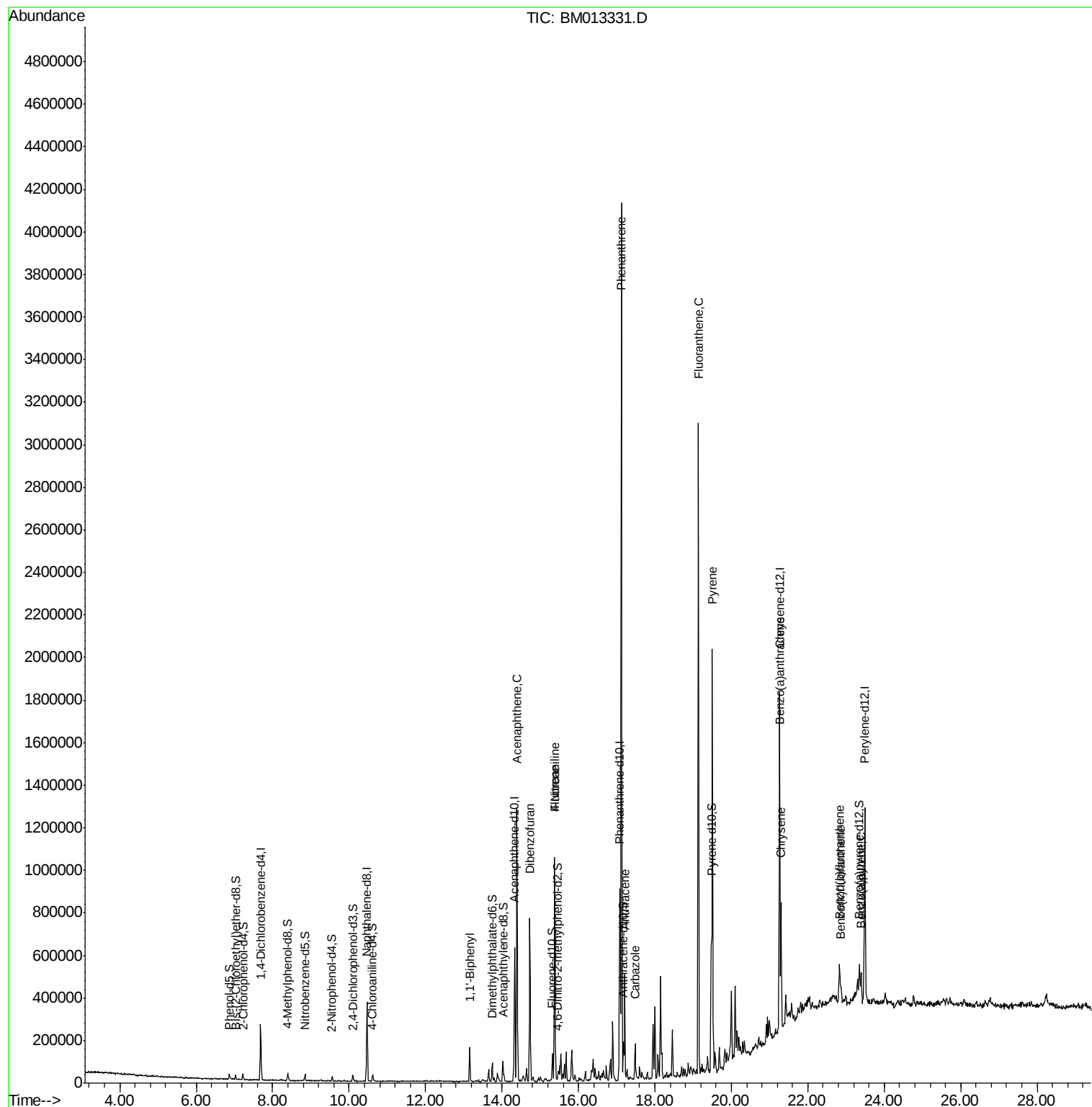
					Qvalue
40) 1,1'-Biphenyl	13.16	154	81239	4.880	ng/ul 97
49) Acenaphthene	14.39	153	497946	36.519	ng/ul 98
53) Dibenzofuran	14.73	168	455909	22.649	ng/ul 98
58) Fluorene	15.38	166	432408	25.967	ng/ul 99
60) 4-Nitroaniline	15.38	138	4902	1.360	ng/ul# 9
69) Phenanthrene	17.12	178	2298350	79.528	ng/ul 100
71) Anthracene	17.21	178	288776	9.776	ng/ul 98
72) Carbazole	17.49	167	93073	3.663	ng/ul 96
74) Fluoranthene	19.14	202	1761840	49.747	ng/ul# 92
77) Pyrene	19.50	202	1233462	29.358	ng/ul# 93
80) Benzo(a)anthracene	21.25	228	293069	6.679	ng/ul 99
82) Chrysene	21.30	228	316851	7.783	ng/ul 99
85) Benzo(b)fluoranthene	22.83	252	121088	2.782	ng/ul# 93
86) Benzo(k)fluoranthene	22.86	252	49515	1.209	ng/ul# 98
88) Benzo(a)pyrene	23.39	252	71968	1.841	ng/ul# 98

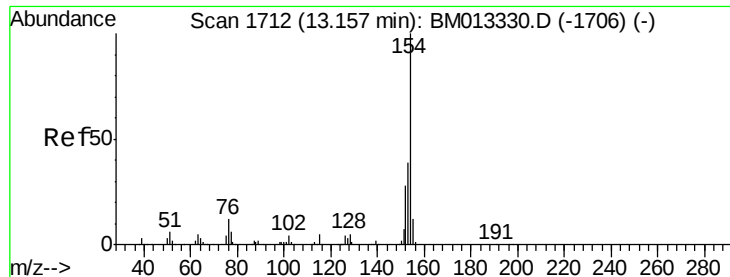
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121117\
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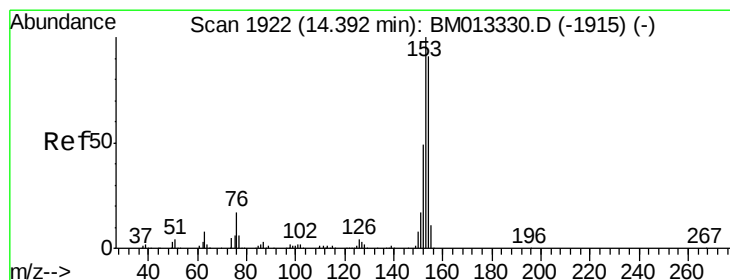
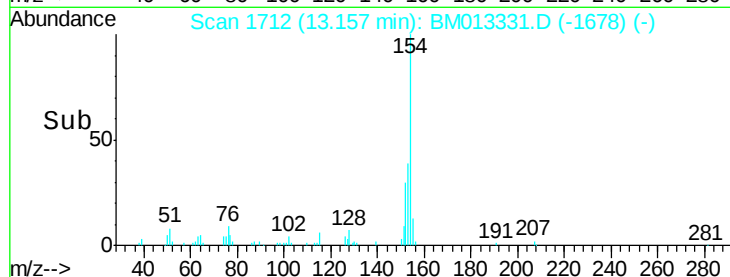
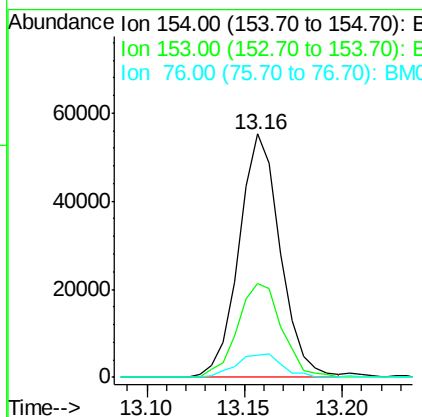
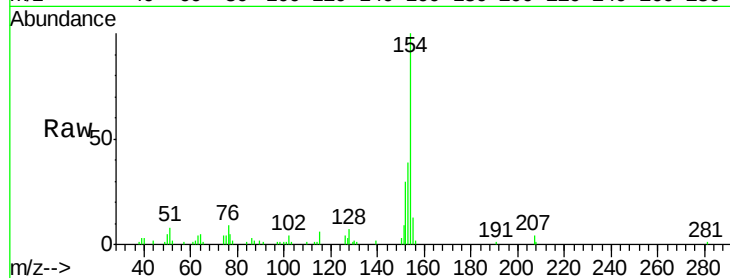




#40
 1,1'-Biphenyl
 Concen: 4.880 ng/ul
 RT: 13.16 min Scan# 1712
 Delta R.T. -0.00 min
 Lab File: BM013331.D
 Acq: 12 Dec 2017 07:17

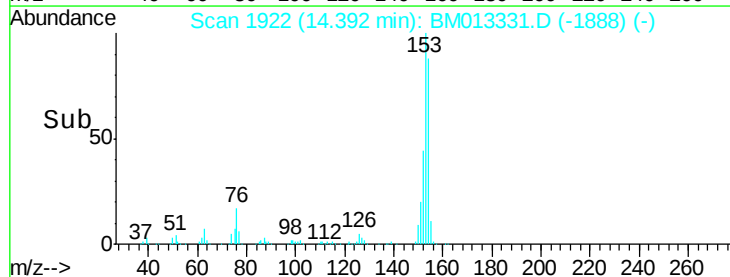
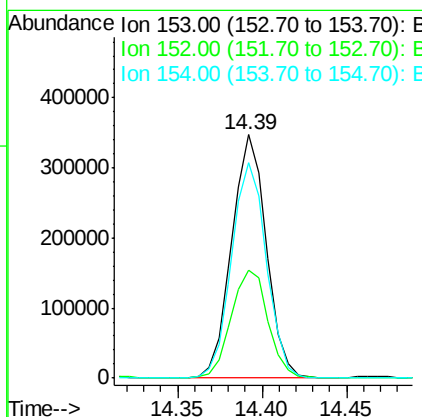
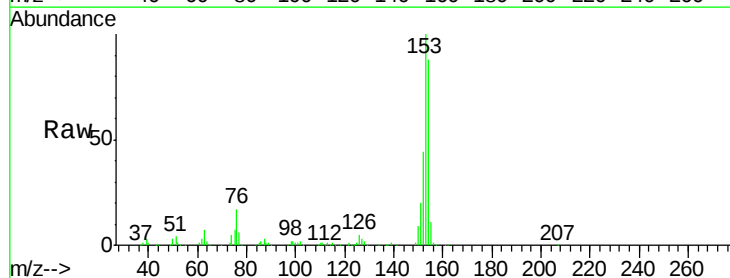
Instrument :
 BNA_M
 ClientSampleId :
 F9A03

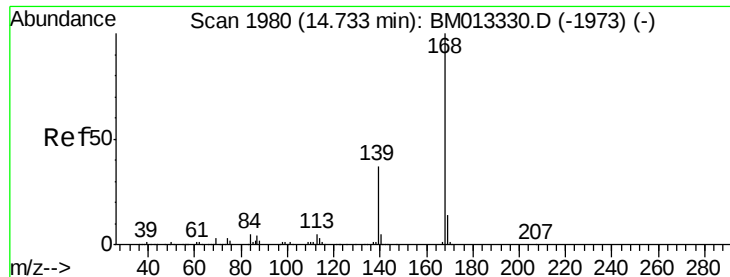
Tgt Ion	Ratio	Lower	Upper
154	100		
153	38.7	32.6	48.8
76	9.4	8.5	12.7



#49
 Acenaphthene
 Concen: 36.519 ng/ul
 RT: 14.39 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: BM013331.D
 Acq: 12 Dec 2017 07:17

Tgt Ion	Ratio	Lower	Upper
153	100		
152	44.4	37.6	56.4
154	88.4	70.4	105.6





#53

Dibenzenofuran

Concen: 22.649 ng/ul

RT: 14.73 min Scan# 1979

Delta R.T. -0.00 min

Lab File: BM013331.D

Acq: 12 Dec 2017 07:17

Instrument :

BNA_M

ClientSampleId :

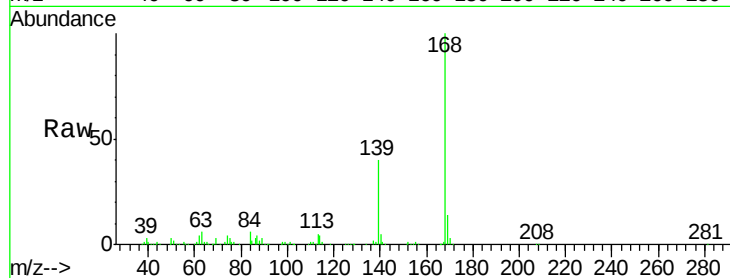
F9A03

Tgt Ion:168 Resp: 455909

Ion Ratio Lower Upper

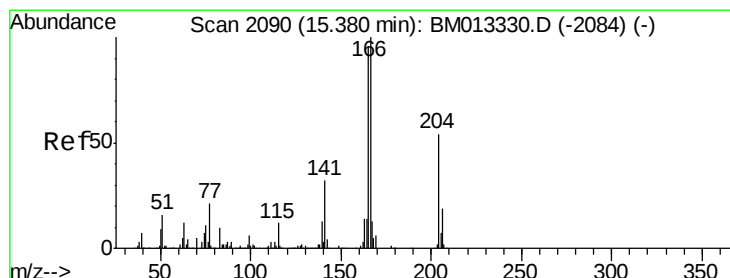
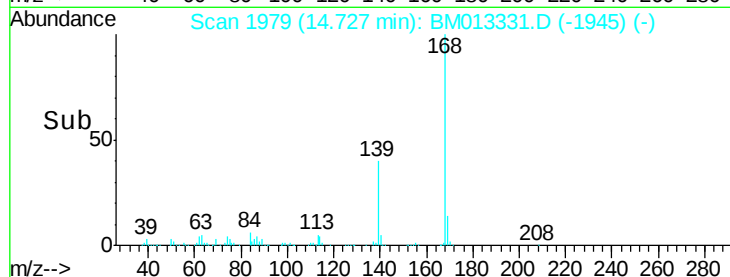
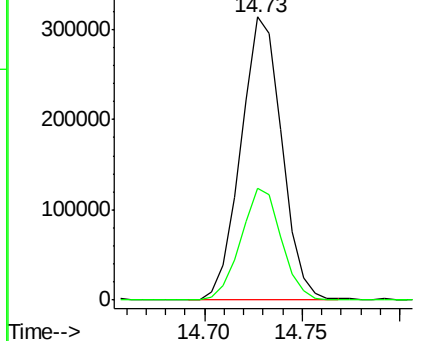
168 100

139 39.7 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: 25.967 ng/ul

RT: 15.38 min Scan# 2090

Delta R.T. -0.00 min

Lab File: BM013331.D

Acq: 12 Dec 2017 07:17

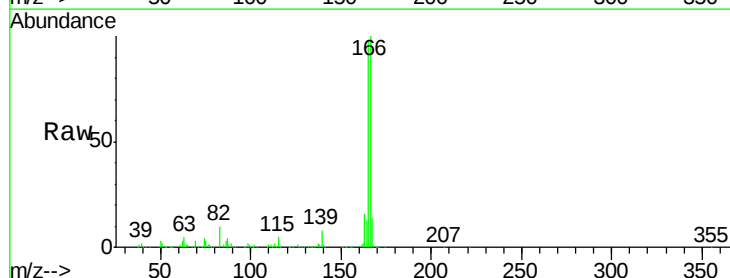
Tgt Ion:166 Resp: 432408

Ion Ratio Lower Upper

166 100

165 97.9 77.9 116.9

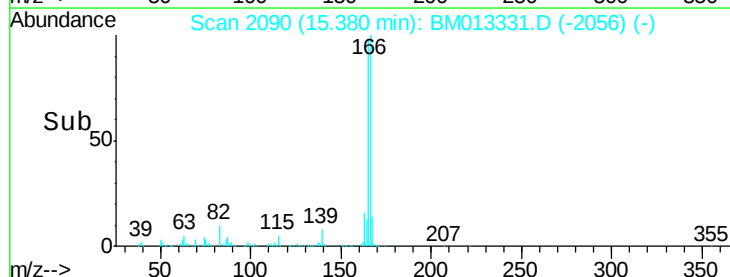
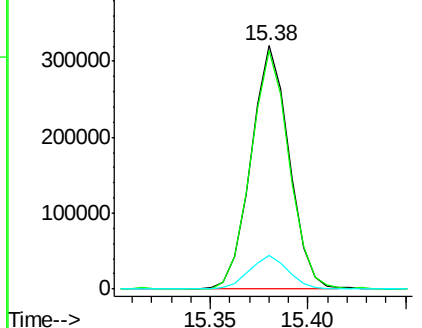
167 14.0 10.6 16.0

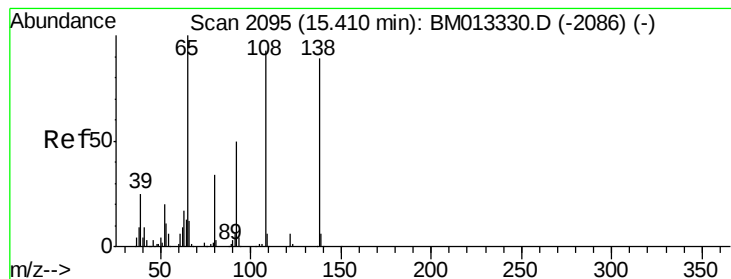


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#60

4-Nitroaniline

Concen: 1.360 ng/ul

RT: 15.38 min Scan# 2090

Delta R.T. -0.02 min

Lab File: BM013331.D

Acq: 12 Dec 2017 07:17

Instrument :

BNA_M

ClientSampleId :

F9A03

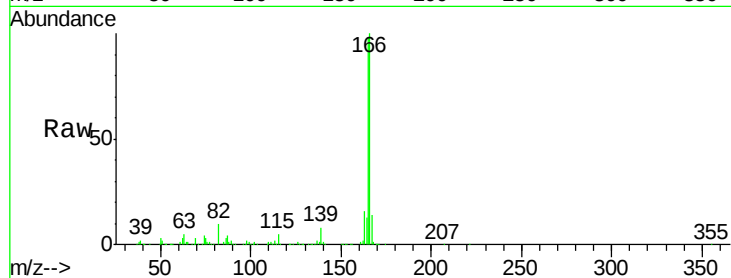
Tgt Ion:138 Resp: 4902

Ion Ratio Lower Upper

138 100

92 0.0 40.0 60.0#

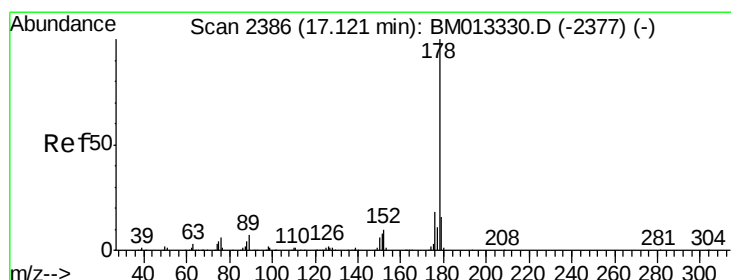
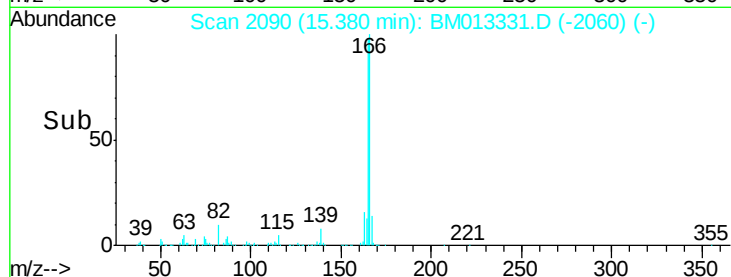
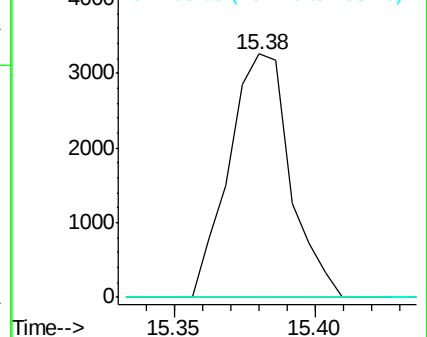
108 0.0 80.0 120.0#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E



#69

Phenanthrene

Concen: 79.528 ng/ul

RT: 17.12 min Scan# 2386

Delta R.T. -0.00 min

Lab File: BM013331.D

Acq: 12 Dec 2017 07:17

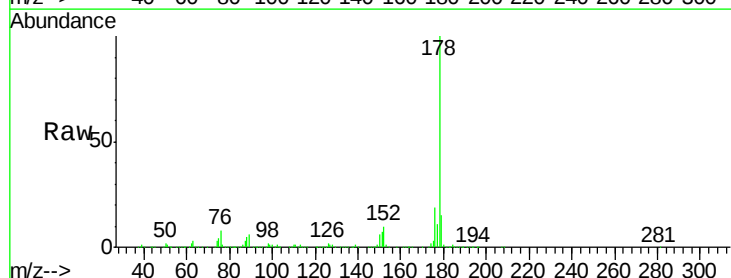
Tgt Ion:178 Resp: 2298350

Ion Ratio Lower Upper

178 100

179 15.5 12.6 19.0

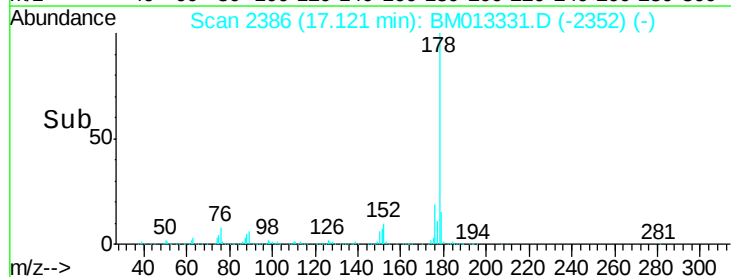
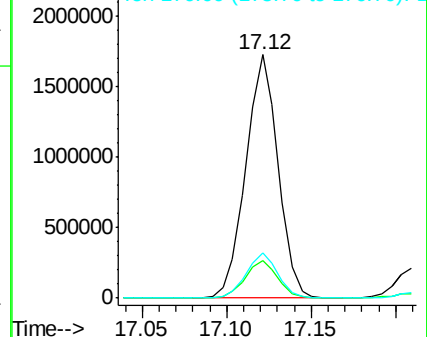
176 18.6 14.9 22.3

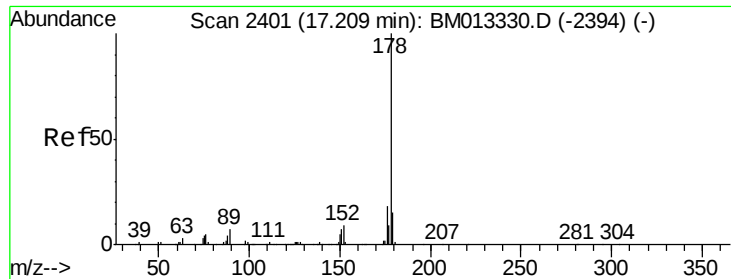


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

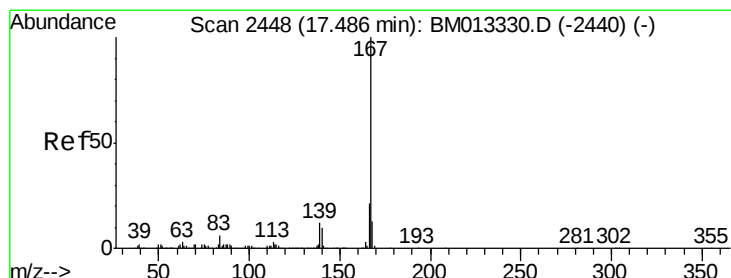
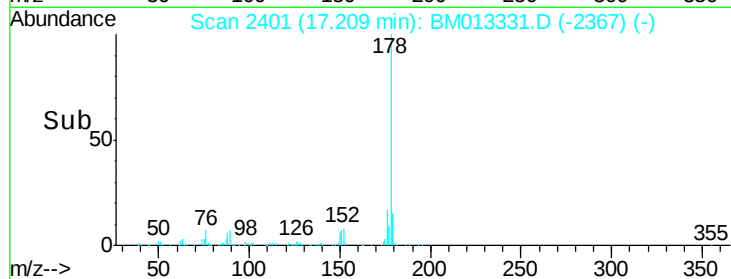
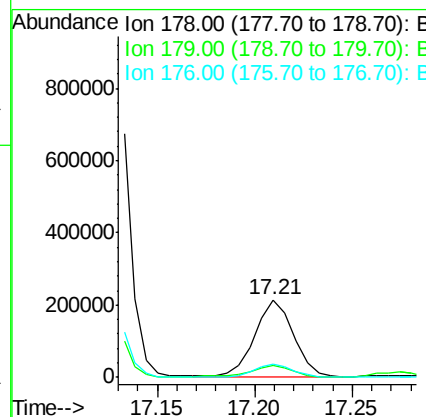
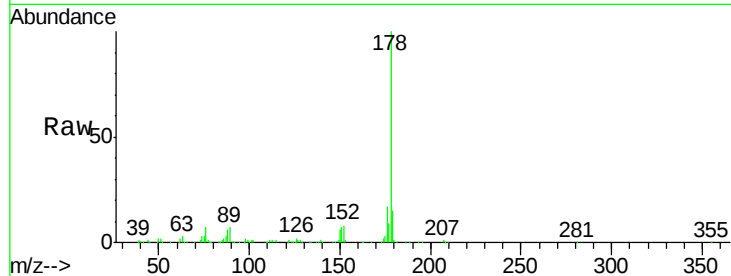




#71
 Anthracene
 Concen: 9.776 ng/ul
 RT: 17.21 min Scan# 2401
 Delta R.T. -0.00 min
 Lab File: BM013331.D
 Acq: 12 Dec 2017 07:17

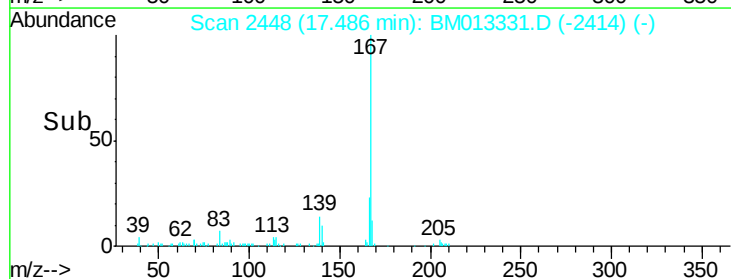
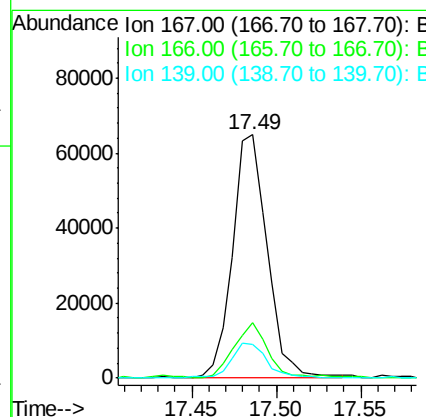
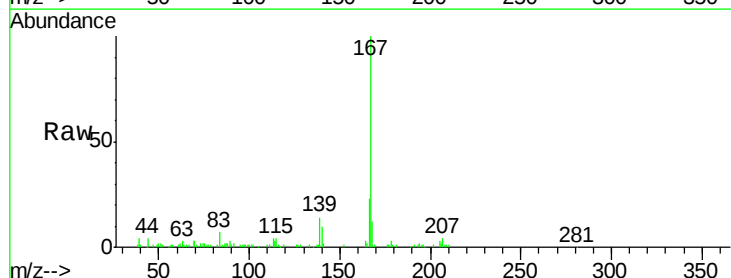
Instrument :
 BNA_M
 ClientSampleId :
 F9A03

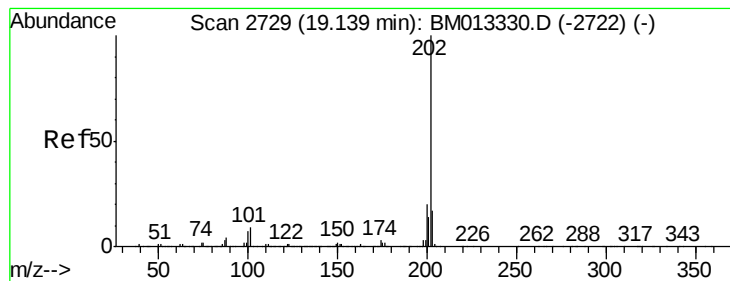
Tgt Ion:178 Resp: 288776
 Ion Ratio Lower Upper
 178 100
 179 15.3 11.7 17.5
 176 17.0 14.6 21.8



#72
 Carbazole
 Concen: 3.663 ng/ul
 RT: 17.49 min Scan# 2448
 Delta R.T. -0.00 min
 Lab File: BM013331.D
 Acq: 12 Dec 2017 07:17

Tgt Ion:167 Resp: 93073
 Ion Ratio Lower Upper
 167 100
 166 22.9 17.1 25.7
 139 14.0 10.0 15.0





#74

Fluoranthene

Concen: 49.747 ng/ul

RT: 19.14 min Scan# 2729

Delta R.T. -0.00 min

Lab File: BM013331.D

Acq: 12 Dec 2017 07:17

Instrument :

BNA_M

ClientSampleId :

F9A03

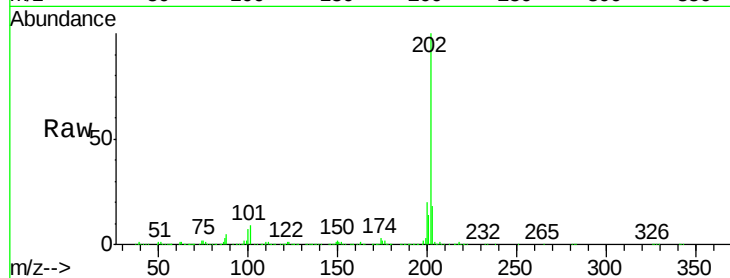
Tgt Ion:202 Resp: 1761840

Ion Ratio Lower Upper

202 100

101 8.6 4.6 7.0#

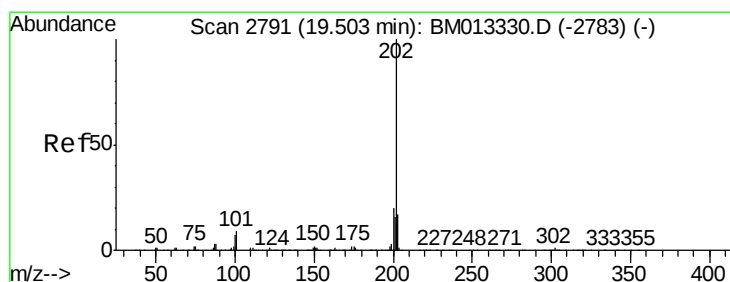
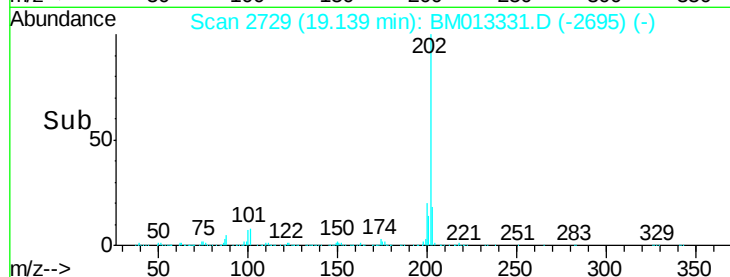
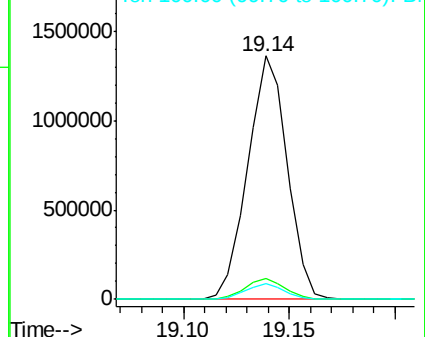
100 6.7 3.4 5.2#



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



#77

Pyrene

Concen: 29.358 ng/ul

RT: 19.50 min Scan# 2791

Delta R.T. -0.00 min

Lab File: BM013331.D

Acq: 12 Dec 2017 07:17

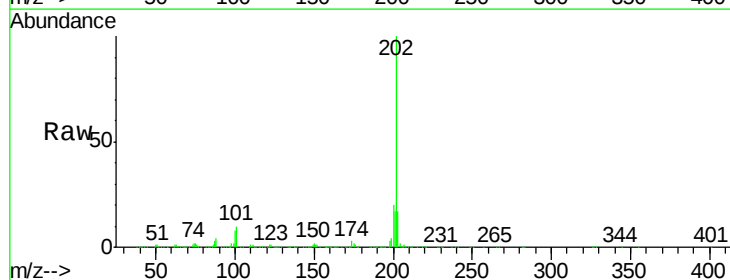
Tgt Ion:202 Resp: 1233462

Ion Ratio Lower Upper

202 100

101 9.6 5.1 7.7#

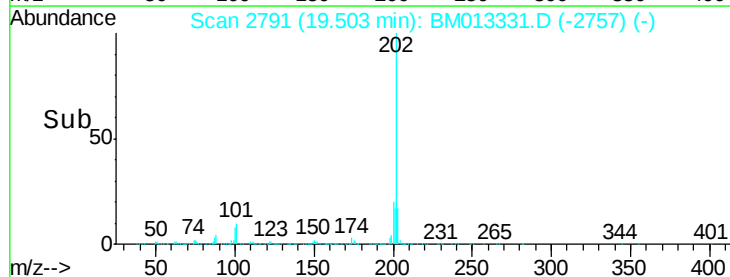
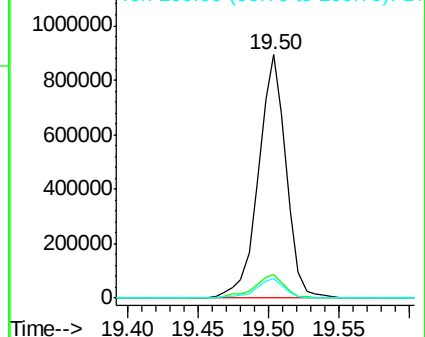
100 7.8 4.9 7.3#

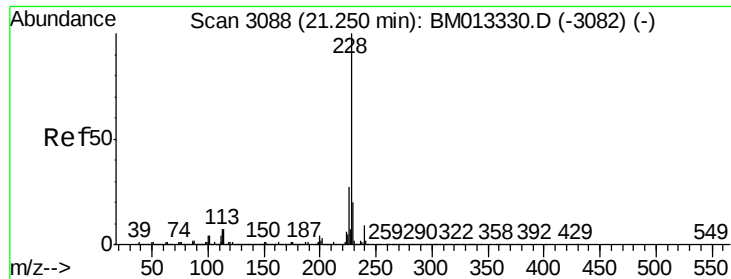


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 6.679 ng/ul

RT: 21.25 min Scan# 3088

Delta R.T. -0.00 min

Lab File: BM013331.D

Acq: 12 Dec 2017 07:17

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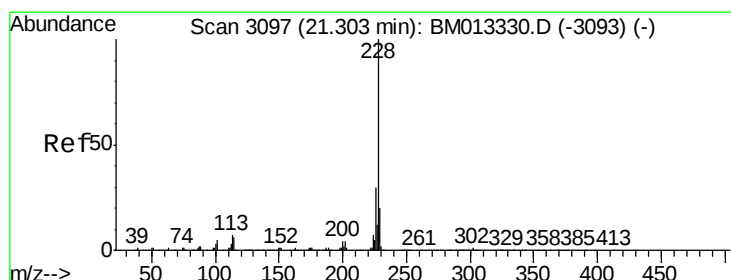
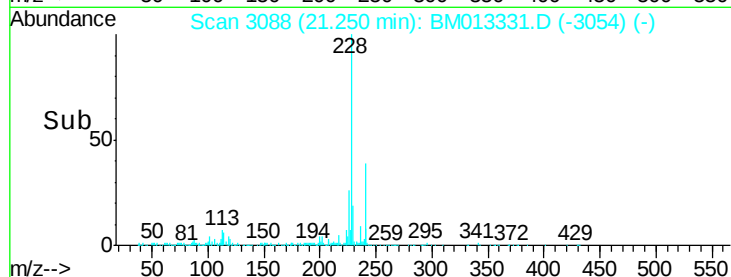
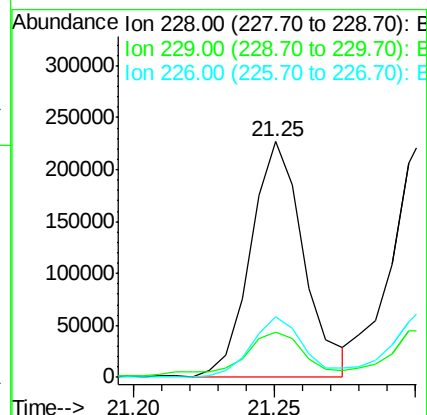
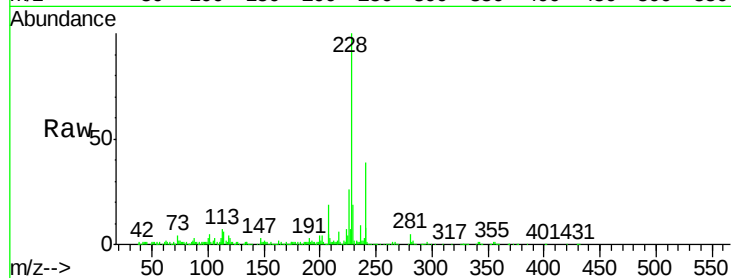
Tgt Ion:228 Resp: 293069

Ion Ratio Lower Upper

228 100

229 19.4 15.4 23.0

226 25.9 21.4 32.0



#82

Chrysene

Concen: 7.783 ng/ul

RT: 21.30 min Scan# 3097

Delta R.T. -0.00 min

Lab File: BM013331.D

Acq: 12 Dec 2017 07:17

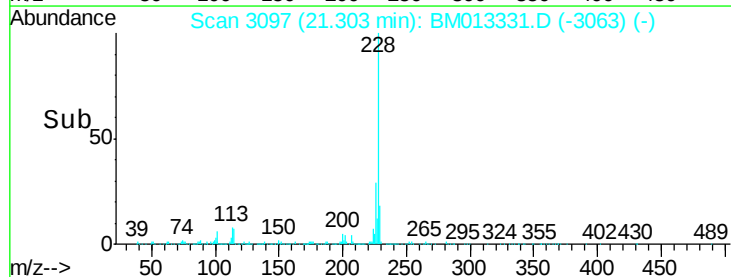
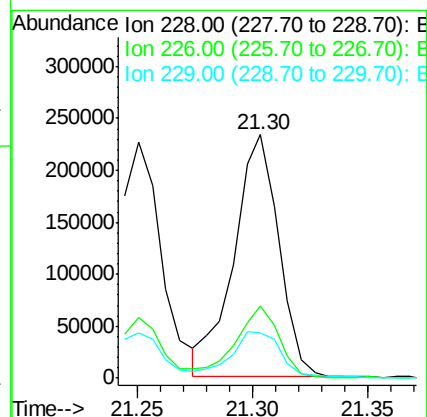
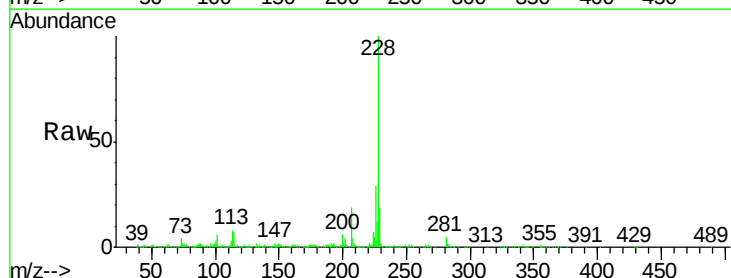
Tgt Ion:228 Resp: 316851

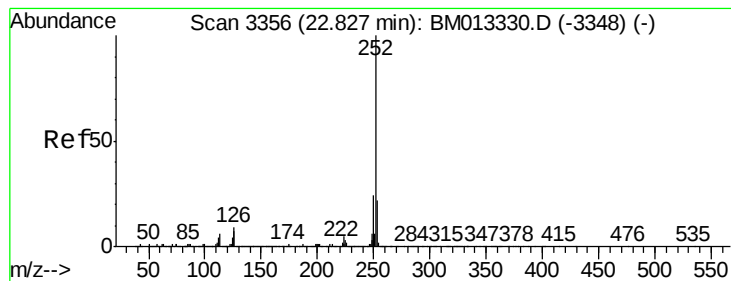
Ion Ratio Lower Upper

228 100

226 29.4 23.4 35.2

229 18.8 15.5 23.3





#85

Benzo(b)fluoranthene

Concen: 2.782 ng/ul

RT: 22.83 min Scan# 3356

Delta R.T. -0.00 min

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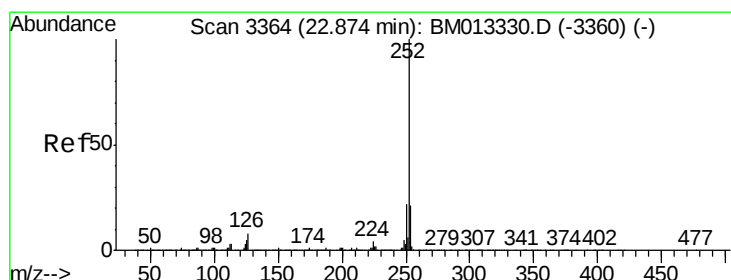
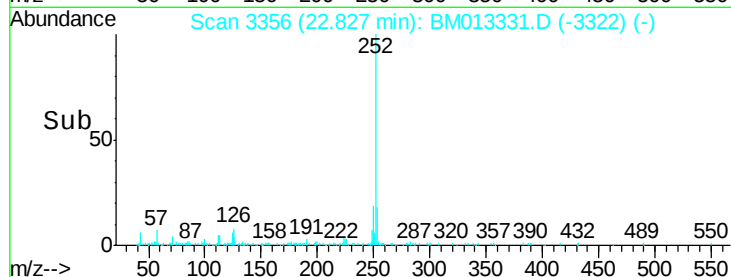
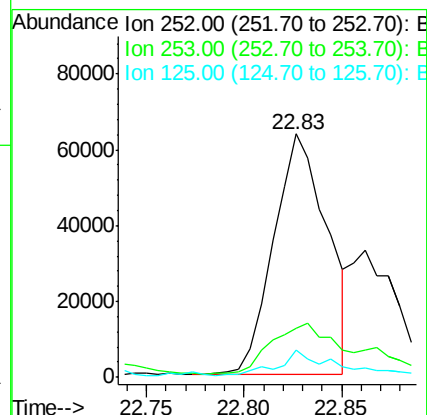
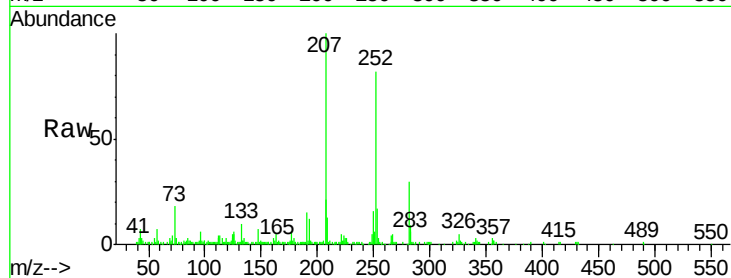
Tgt Ion:252 Resp: 121088

Ion Ratio Lower Upper

252 100

253 20.2 17.9 26.9

125 11.4 3.6 5.4#



#86

Benzo(k)fluoranthene

Concen: 1.209 ng/ul

RT: 22.86 min Scan# 3362

Delta R.T. -0.01 min

Lab File: BM013331.D

Acq: 12 Dec 2017 07:17

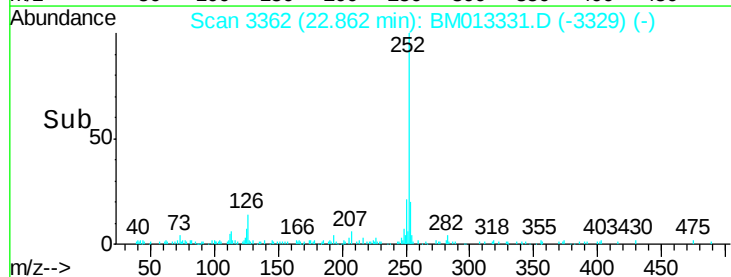
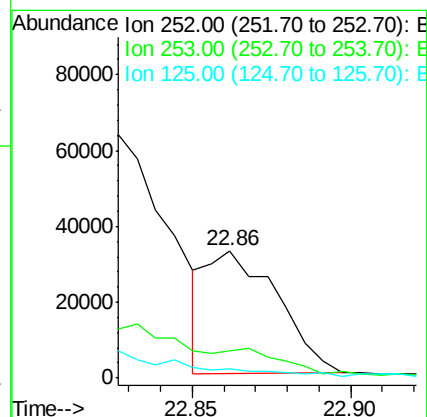
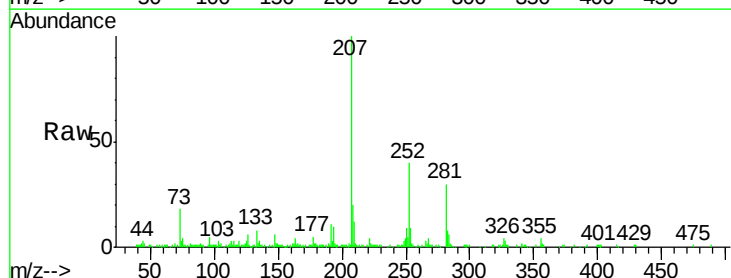
Tgt Ion:252 Resp: 49515

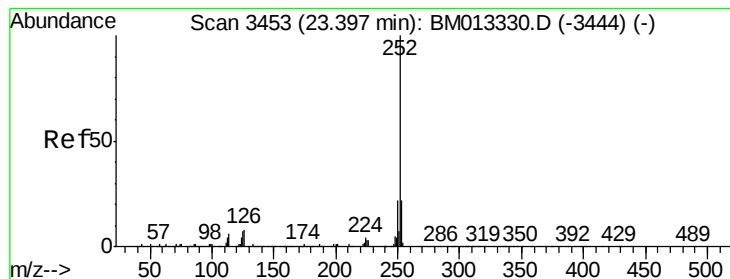
Ion Ratio Lower Upper

252 100

253 21.4 17.1 25.7

125 7.2 3.4 5.2#





#88

Benzo(a)pyrene

Concen: 1.841 ng/ul

RT: 23.39 min Scan# 3452

Delta R.T. -0.01 min

Lab File: BM013331.D

Acq: 12 Dec 2017 07:17

Instrument :

BNA_M

ClientSampleId :

F9A03

Tgt Ion: 252 Resp: 71968

Ion Ratio Lower Upper

252 100

253 22.8 18.2 27.2

125 8.9 4.0 6.0#

