

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042518\
 Data File : BM014846.D
 Acq On : 25 Apr 2018 22:36
 Operator : SJ/JU
 Sample : J2431-16DL2 30X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Apr 26 02:04:25 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 26 01:59:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.50	152	303563	20.00	ng/ul	0.00
18) Naphthalene-d8	11.35	136	1255574	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.11	164	652470	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.82	188	1373451	20.00	ng/ul	0.00
75) Chrysene-d12	21.91	240	1408565	20.00	ng/ul	0.00
83) Perylene-d12	24.39	264	1483903	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.65	96	1474	0.21	ng/uL	0.00
5) Phenol-d5	7.62	99	16669	0.71	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.80	67	14327	0.95	ng/ul	0.00
9) 2-Chlorophenol-d4	8.02	132	14351	0.73	ng/ul	0.00
13) 4-Methylphenol-d8	9.20	113	13283	0.71	ng/ul	0.00
19) Nitrobenzene-d5	9.69	128	6028	0.66	ng/ul	0.00
22) 2-Nitrophenol-d4	10.42	143	5496	0.61	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.95	165	11673	0.64	ng/ul	0.00
29) 4-Chloroaniline-d4	11.47	131	20264	1.12	ng/ul	0.00
43) Dimethylphthalate-d6	14.50	166	38234	0.75	ng/ul	0.00
46) Acenaphthylene-d8	14.81	160	40932	0.65	ng/ul	0.00
51) 4-Nitrophenol-d4	15.27	143	3579	0.38	ng/ul	0.00
57) Fluorene-d10	16.09	176	37277	0.84	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.19	200	1857	0.25	ng/ul	0.00
70) Anthracene-d10	17.92	188	49046	0.77	ng/ul	0.00
76) Pyrene-d10	20.16	212	56534	0.85	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.23	264	60482	0.83	ng/ul	-0.01

Target Compounds

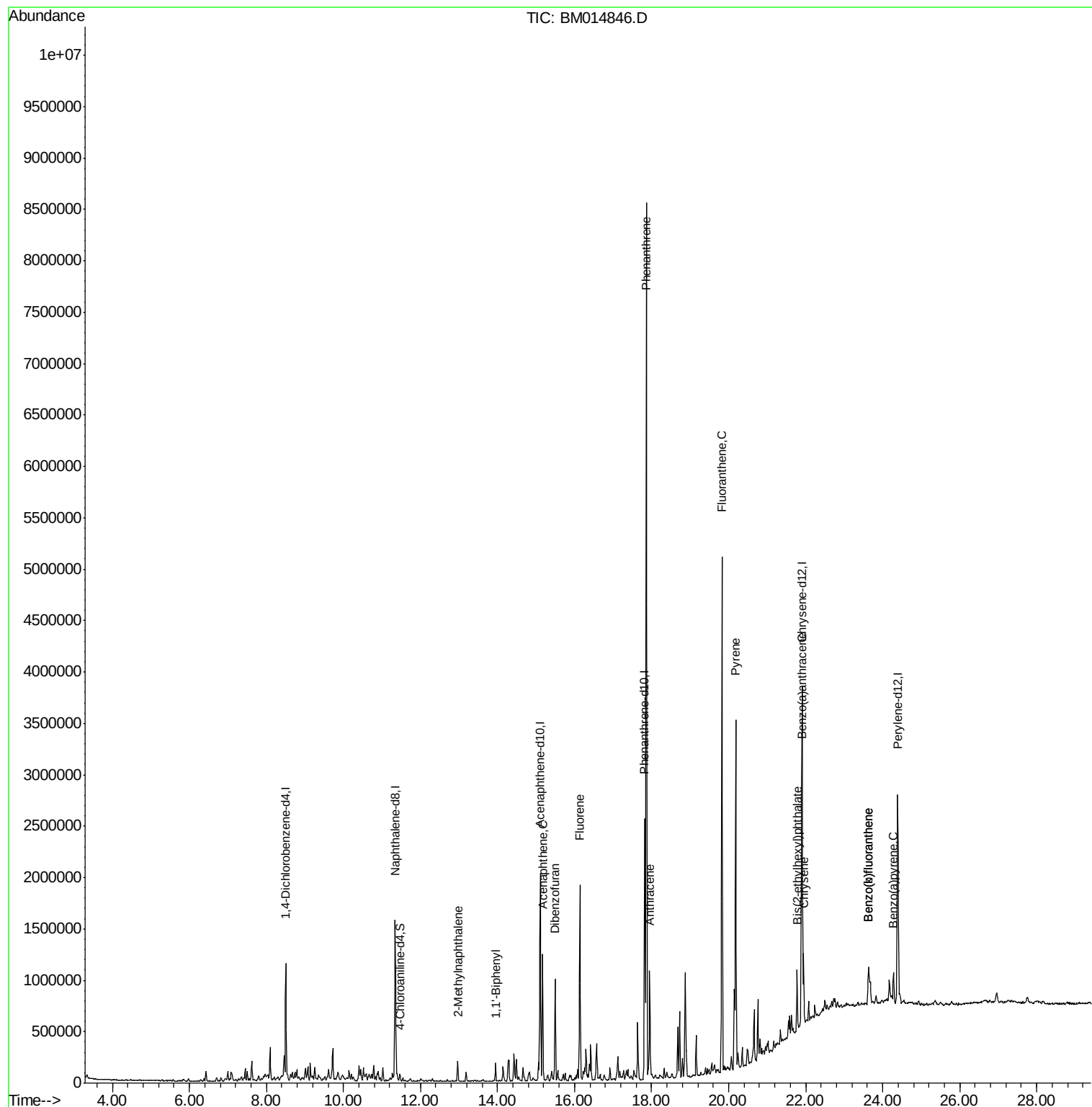
					Ovalue	
34) 2-Methylnaphthalene	12.97	142	90486	2.130	ng/ul	98
40) 1,1'-Biphenyl	13.95	154	84341	1.607	ng/ul#	99
49) Acenaphthene	15.17	153	457502	10.565	ng/ul	98
53) Dibenzofuran	15.50	168	597665	9.939	ng/ul	99
58) Fluorene	16.14	166	805507	16.590	ng/ul	98
69) Phenanthrene	17.86	178	4886256	66.245	ng/ul	99
71) Anthracene	17.95	178	612372	8.181	ng/ul	98
74) Fluoranthene	19.83	202	2861990	35.589	ng/ul#	81
77) Pyrene	20.19	202	1976481	24.016	ng/ul#	79
80) Benzo(a)anthracene	21.89	228	611840	7.428	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.77	149	189106	3.837	ng/ul#	97
82) Chrysene	21.94	228	393888	5.108	ng/ul	96
85) Benzo(b)fluoranthene	23.63	252	374233	4.278	ng/ul#	95
86) Benzo(k)fluoranthene	23.63	252	374233	4.449	ng/ul#	93
88) Benzo(a)pyrene	24.28	252	236236	2.847	ng/ul#	95

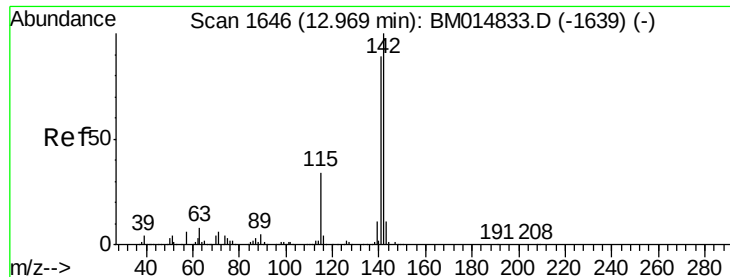
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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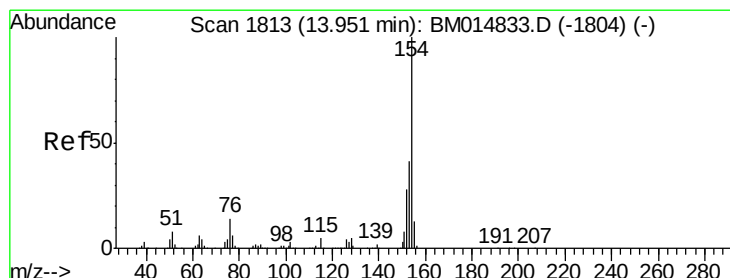
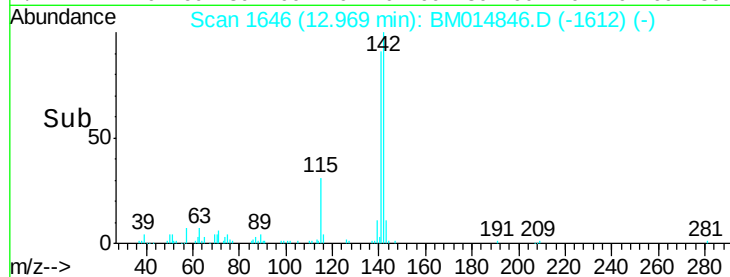
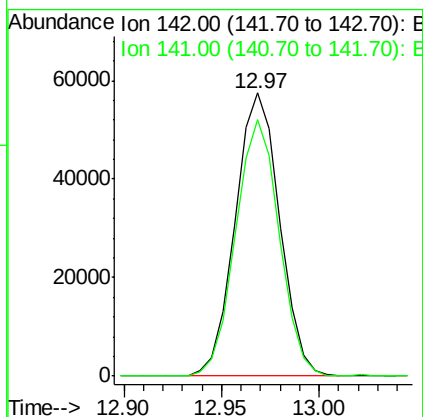
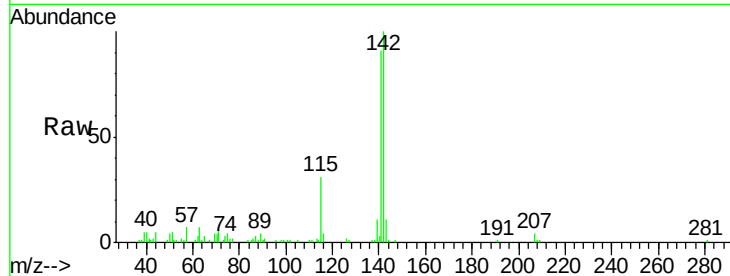




#34
 2-Methylnaphthalene
 Concen: 2.130 ng/ul
 RT: 12.97 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: BM014846.D
 Acq: 25 Apr 2018 22:36

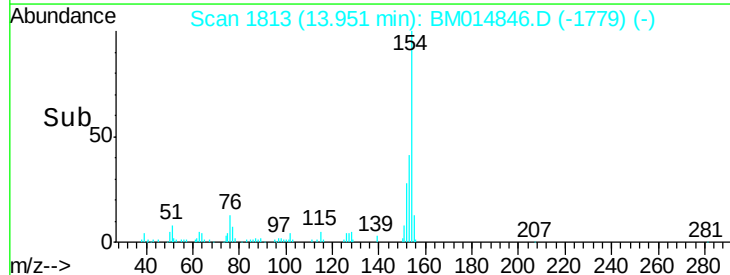
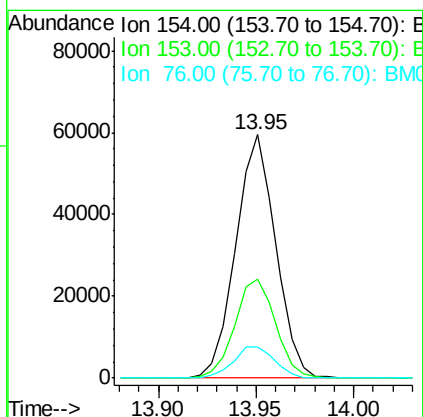
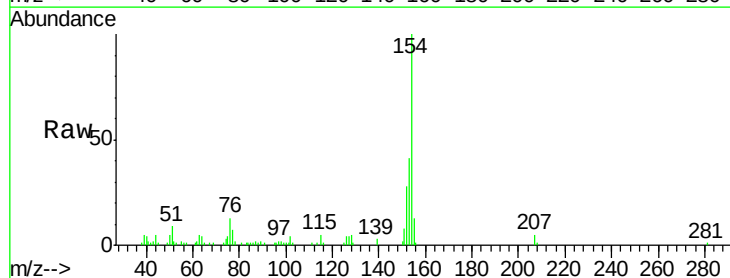
Instrument :
 BNA_M
 ClientSampleId :

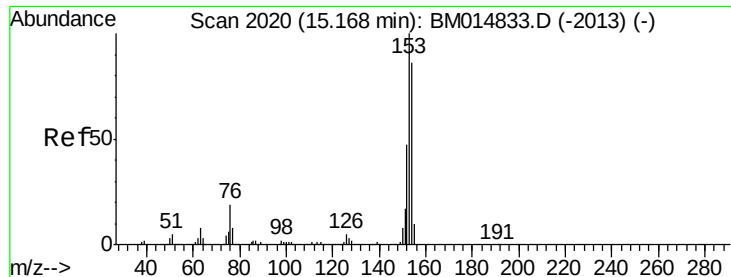
Tot Ion:142 Resp: 90486
 Ion Ratio Lower Upper
 142 100
 141 90.8 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 1.607 ng/ul
 RT: 13.95 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: BM014846.D
 Acq: 25 Apr 2018 22:36

Tgt Ion:154 Resp: 84341
 Ion Ratio Lower Upper
 154 100
 153 40.6 32.6 48.8
 76 13.0 8.5 12.7#





#49

Acenaphthene

Concen: 10.565 ng/ul

RT: 15.17 min Scan# 2020

Delta R.T. -0.00 min

Lab File: BM014846.D

Acq: 25 Apr 2018 22:36

Instrument :

BNA_M

ClientSampleId :

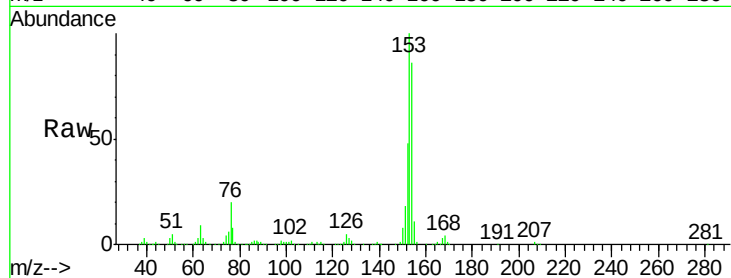
Tot Ion:153 Resp: 457502

Ion Ratio Lower Upper

153 100

152 47.6 37.6 56.4

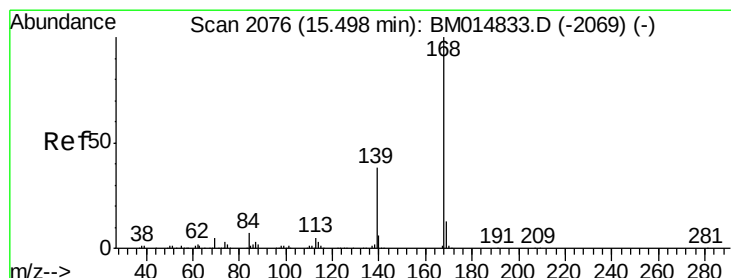
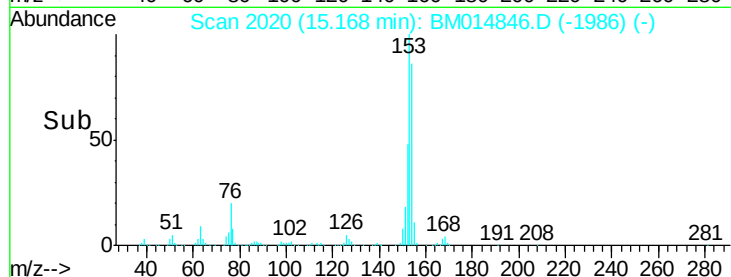
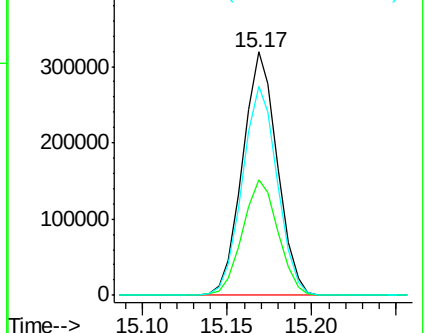
154 85.7 70.4 105.6



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: 9.939 ng/ul

RT: 15.50 min Scan# 2076

Delta R.T. -0.00 min

Lab File: BM014846.D

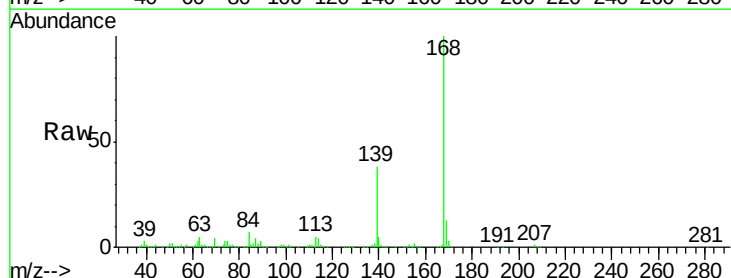
Acq: 25 Apr 2018 22:36

Tgt Ion:168 Resp: 597665

Ion Ratio Lower Upper

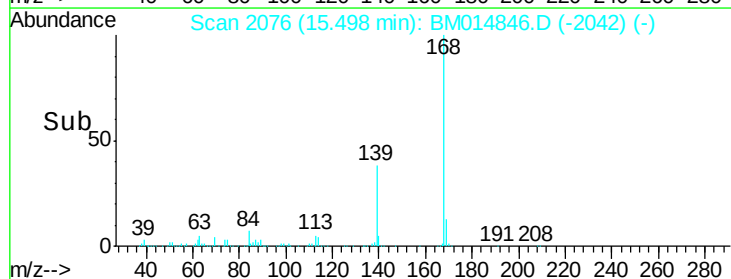
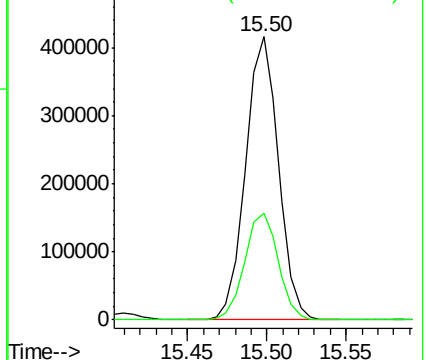
168 100

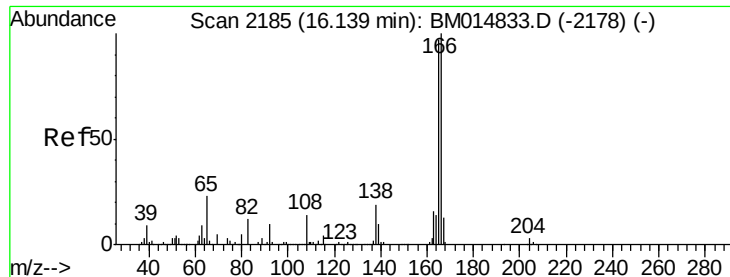
139 37.9 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 16.590 ng/ul

RT: 16.14 min Scan# 2185

Delta R.T. -0.00 min

Lab File: BM014846.D

Acq: 25 Apr 2018 22:36

Instrument :

BNA_M

ClientSampleId :

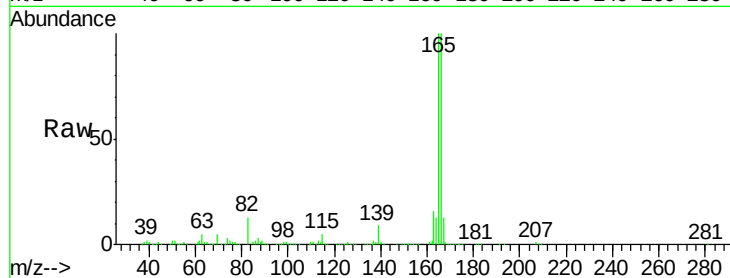
Tot Ion:166 Resp: 805507

Ion Ratio Lower Upper

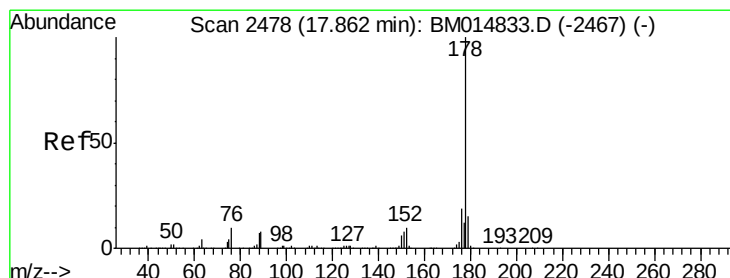
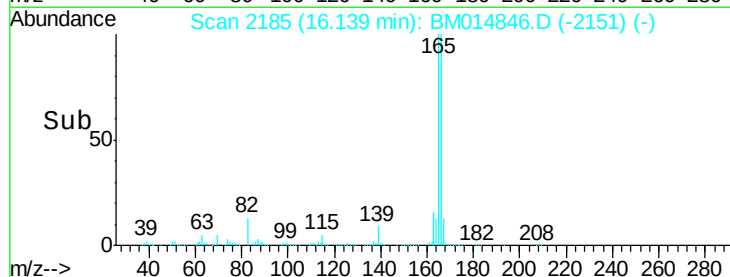
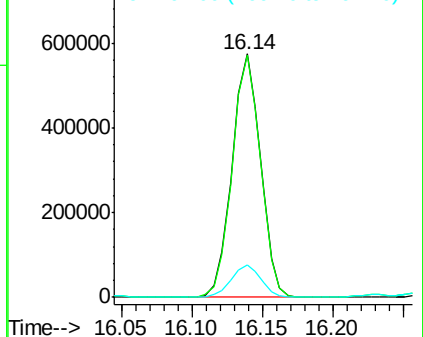
166 100

165 99.5 77.9 116.9

167 13.3 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: 66.245 ng/ul

RT: 17.86 min Scan# 2478

Delta R.T. -0.00 min

Lab File: BM014846.D

Acq: 25 Apr 2018 22:36

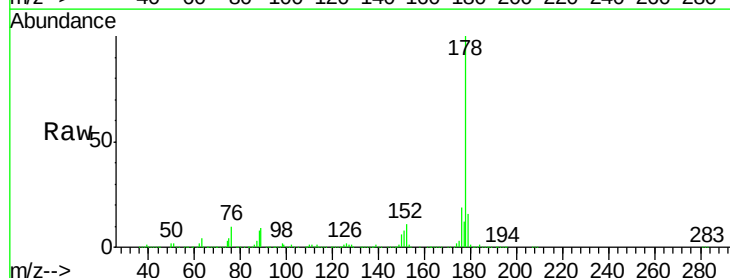
Tgt Ion:178 Resp: 4886256

Ion Ratio Lower Upper

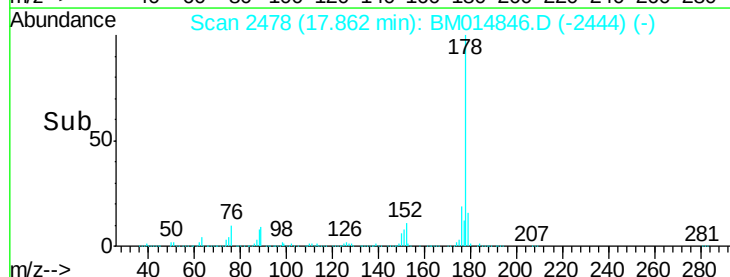
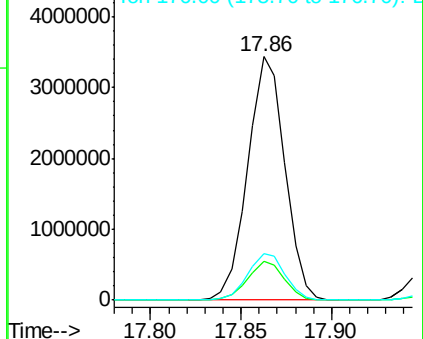
178 100

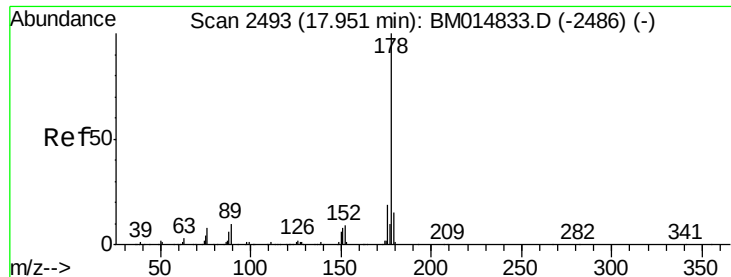
179 15.7 12.6 19.0

176 19.2 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: 8.181 ng/ul

RT: 17.95 min Scan# 2493

Delta R.T. -0.00 min

Lab File: BM014846.D

Acq: 25 Apr 2018 22:36

Instrument :

BNA_M

ClientSampleId :

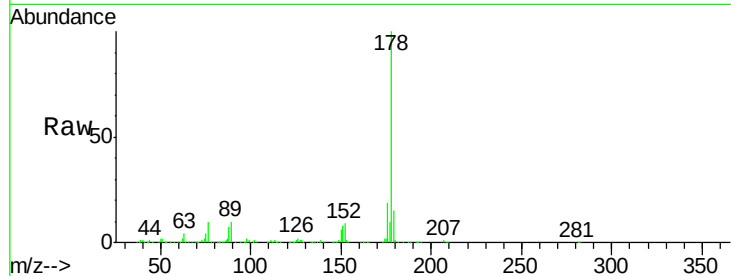
Tot Ion:178 Resp: 612372

Ion Ratio Lower Upper

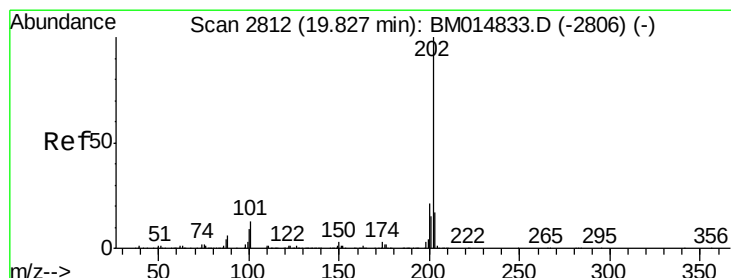
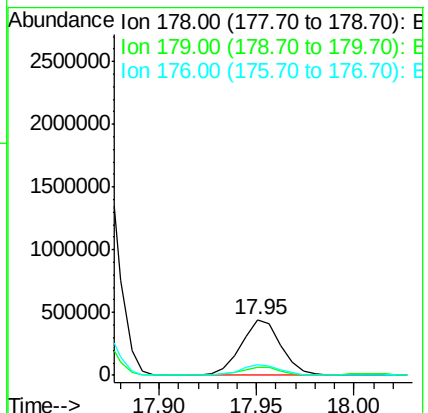
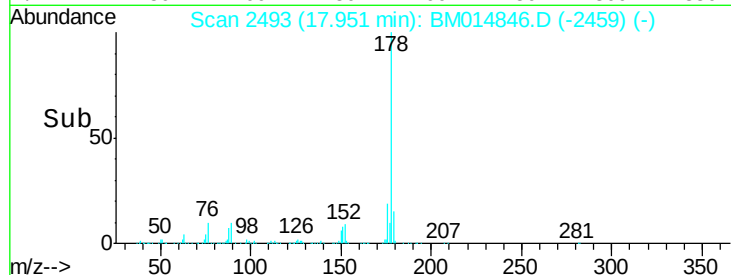
178 100

179 15.5 11.7 17.5

176 18.7 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



#74

Fluoranthene

Concen: 35.589 ng/ul

RT: 19.83 min Scan# 2812

Delta R.T. -0.00 min

Lab File: BM014846.D

Acq: 25 Apr 2018 22:36

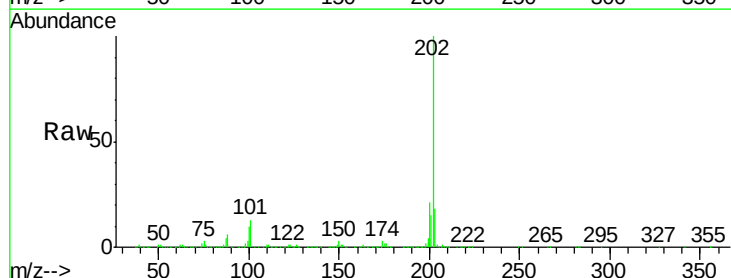
Tgt Ion:202 Resp: 2861990

Ion Ratio Lower Upper

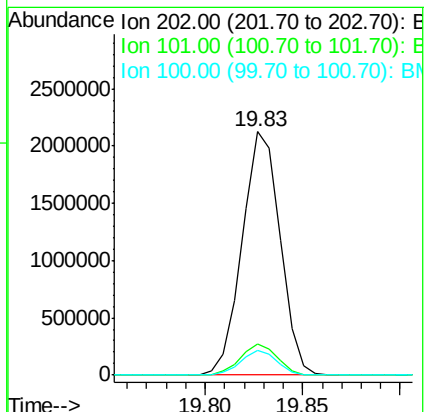
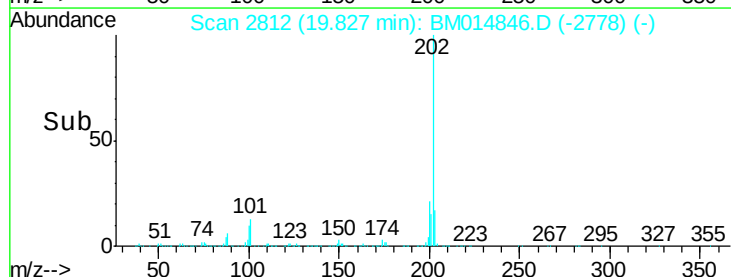
202 100

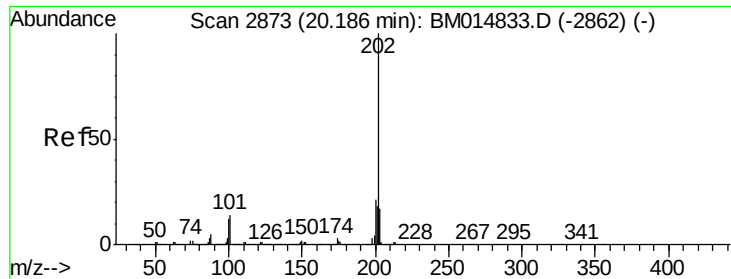
101 12.8 4.6 7.0#

100 9.9 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

Pvrene

Concen: 24.016 ng/ul

RT: 20.19 min Scan# 2873

Delta R.T. -0.00 min

Lab File: BM014846.D

Acq: 25 Apr 2018 22:36

Instrument :

BNA_M

ClientSampleId :

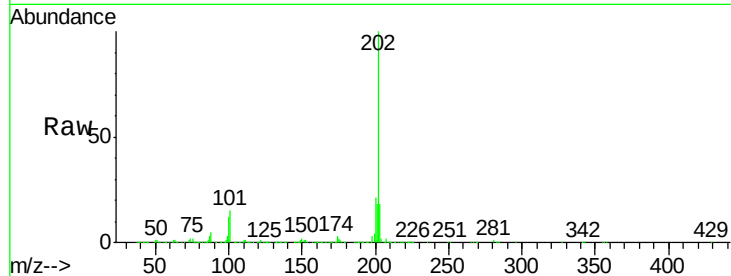
Tot Ion:202 Resp: 1976481

Ion Ratio Lower Upper

202 100

101 14.6 5.1 7.7#

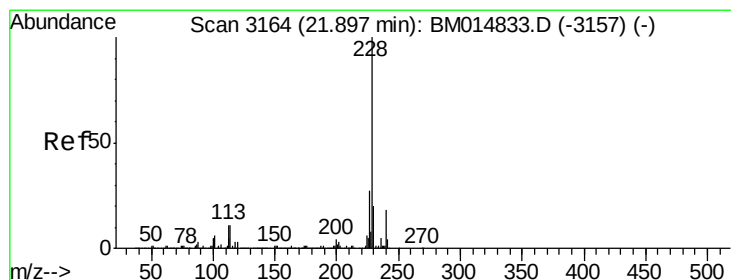
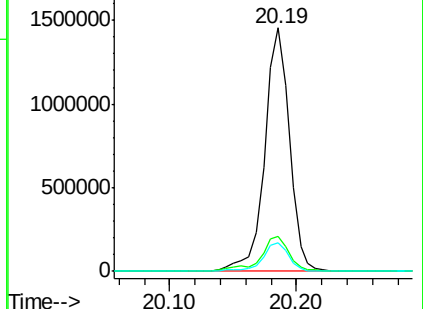
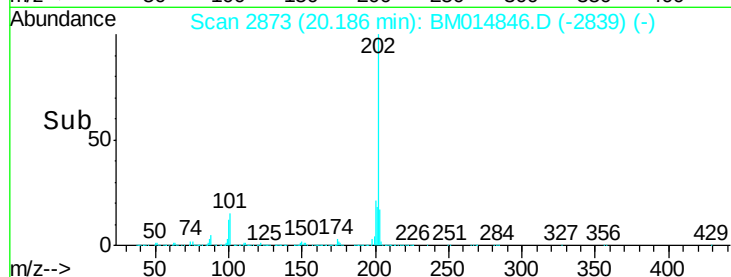
100 11.8 4.9 7.3#



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: 7.428 ng/ul

RT: 21.89 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BM014846.D

Acq: 25 Apr 2018 22:36

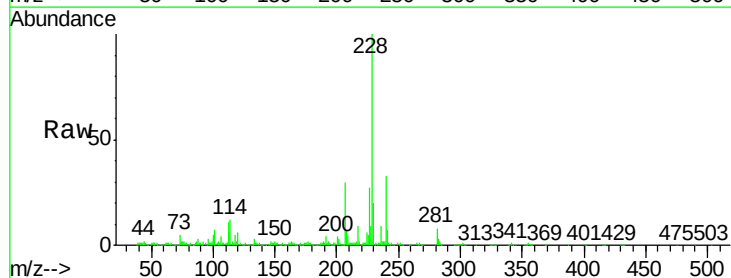
Tgt Ion:228 Resp: 611840

Ion Ratio Lower Upper

228 100

229 20.0 15.4 23.0

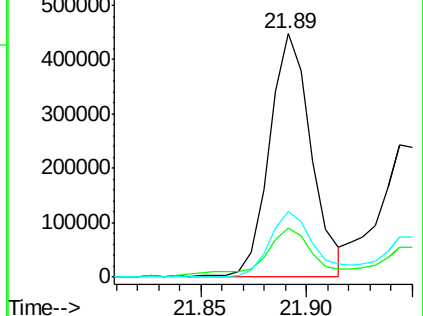
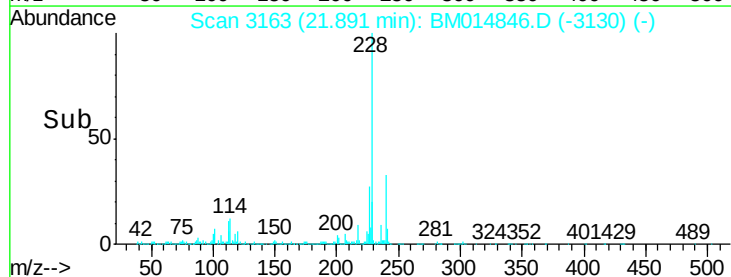
226 26.9 21.4 32.0

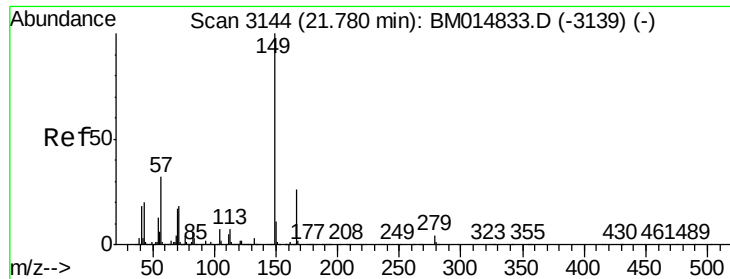


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

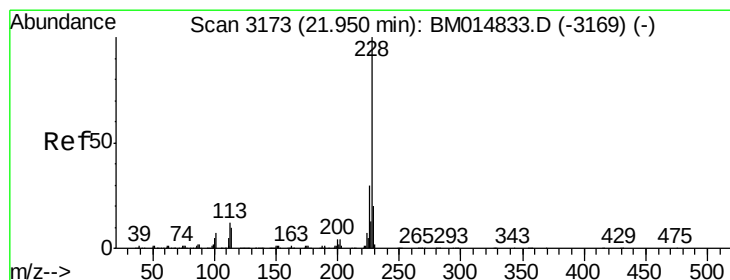
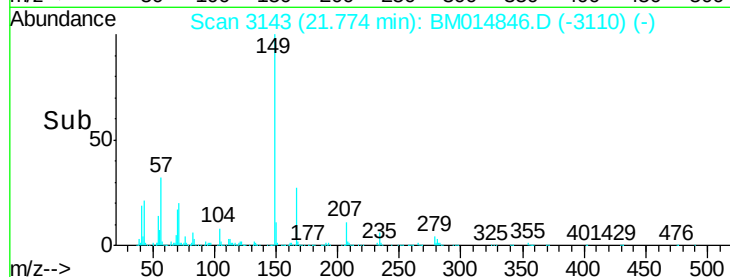
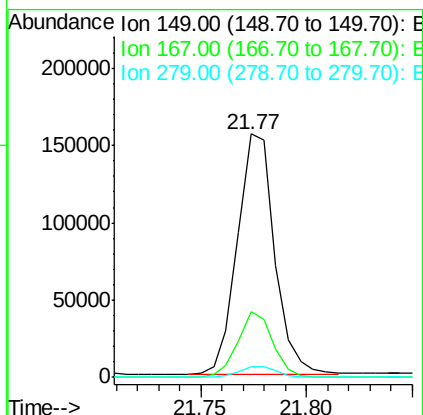
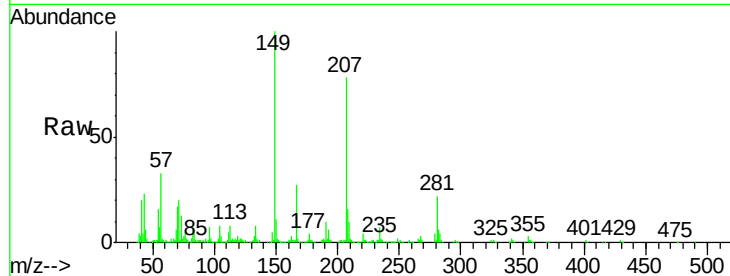




#81
 Bis(2-ethylhexyl)phthalate
 Concen: 3.837 ng/ul
 RT: 21.77 min Scan# 3143
 Delta R.T. -0.01 min
 Lab File: BM014846.D
 Acq: 25 Apr 2018 22:36

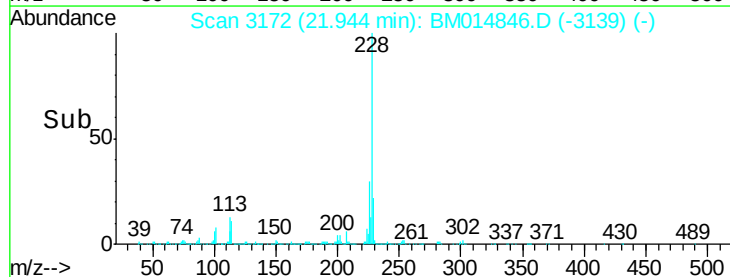
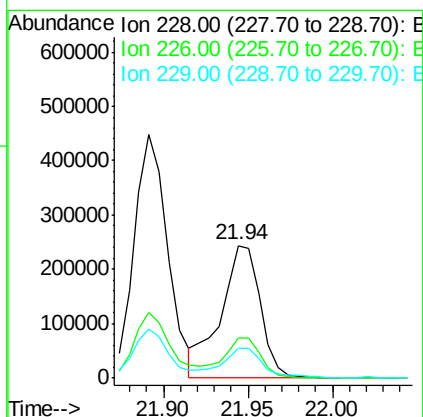
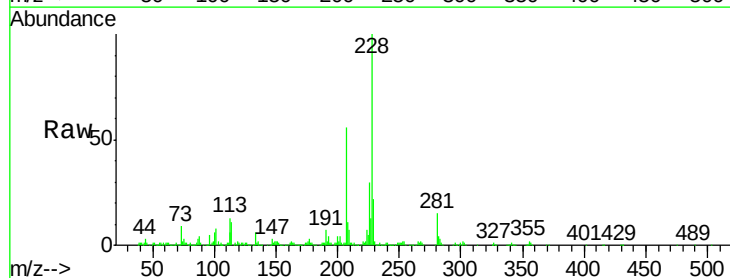
Instrument :
 BNA_M
 ClientSampleId :

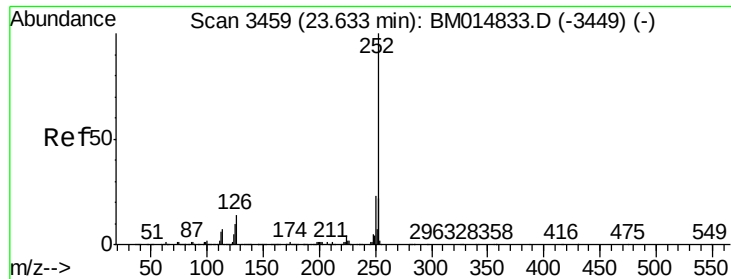
Tot Ion:149 Resp: 189106
 Ion Ratio Lower Upper
 149 100
 167 27.0 22.8 34.2
 279 4.3 4.9 7.3#



#82
 Chrysene
 Concen: 5.108 ng/ul
 RT: 21.94 min Scan# 3172
 Delta R.T. -0.01 min
 Lab File: BM014846.D
 Acq: 25 Apr 2018 22:36

Tgt Ion:228 Resp: 393888
 Ion Ratio Lower Upper
 228 100
 226 30.2 23.4 35.2
 229 22.5 15.5 23.3





#85

Benzo(b)fluoranthene

Concen: 4.278 ng/ul

RT: 23.63 min Scan# 3459

Delta R.T. -0.00 min

Lab File: BM014846.D

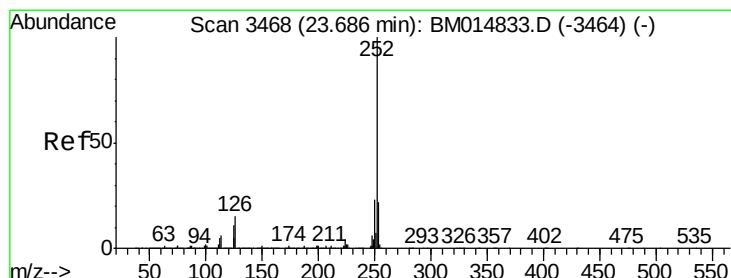
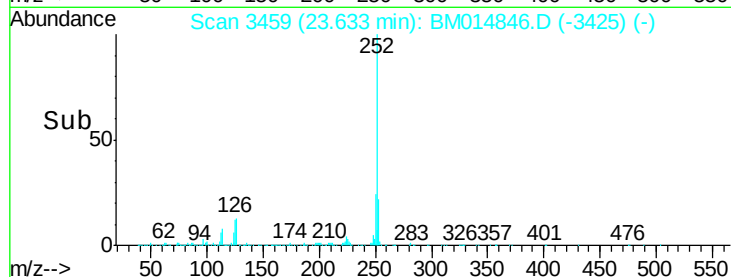
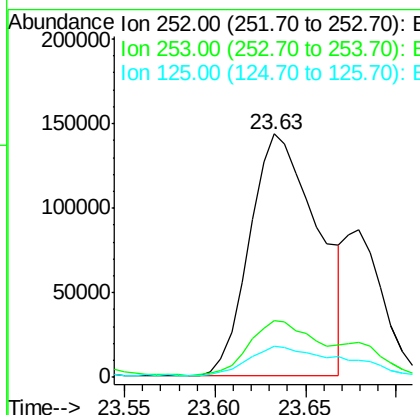
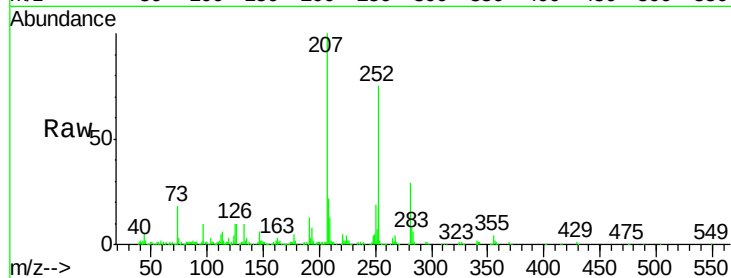
Acq: 25 Apr 2018 22:36

Instrument :

BNA_M

ClientSampleId :

Tot	Ion:252	Resp:	374233
Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	12.7	3.6	5.4#



#86

Benzo(k)fluoranthene

Concen: 4.449 ng/ul

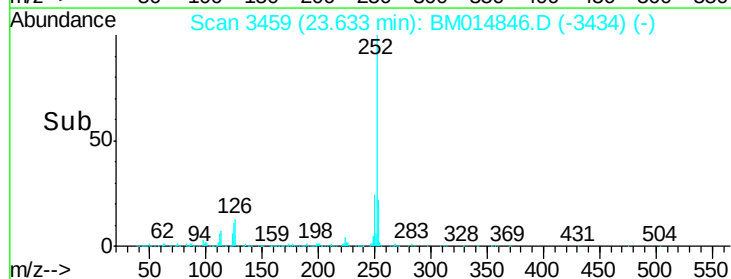
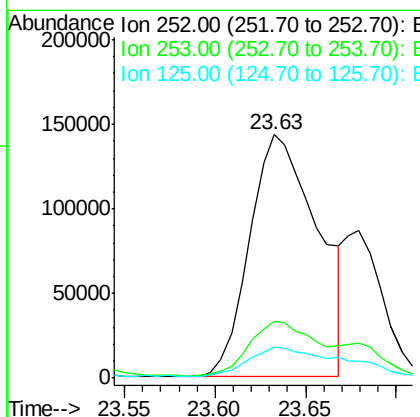
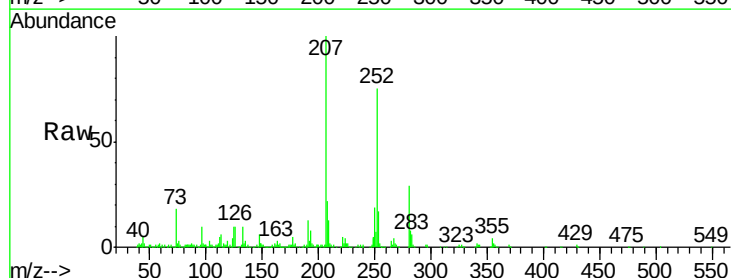
RT: 23.63 min Scan# 3459

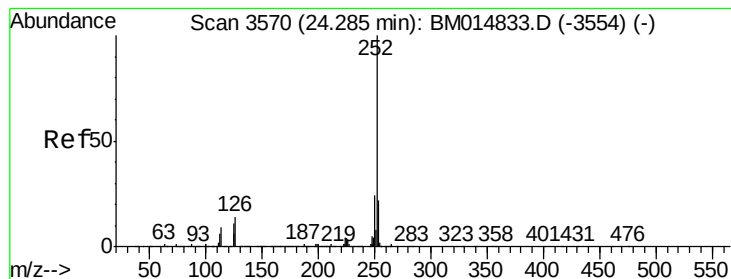
Delta R.T. -0.05 min

Lab File: BM014846.D

Acq: 25 Apr 2018 22:36

Tgt	Ion:252	Resp:	374233
Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	12.7	3.4	5.2#





#88

Benzo(a)pyrene

Concen: 2.847 ng/ul

RT: 24.28 min Scan# 3569

Delta R.T. -0.01 min

Lab File: BM014846.D

Acq: 25 Apr 2018 22:36

Instrument :

BNA_M

ClientSampleId :

Tot Ion:252 Resp: 236236

Ion Ratio Lower Upper

252 100

253 23.6 18.2 27.2

125 12.3 4.0 6.0#

