

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022618\
 Data File : BM014362.D
 Acq On : 26 Feb 2018 18:36
 Operator : SJ/JU
 Sample : J1631-21
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 27 03:23:33 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 27 03:22:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	113948	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	537045	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.18	164	314596	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	701446	20.00	ng/ul	0.00
75) Chrysene-d12	21.15	240	685714	20.00	ng/ul	0.00
83) Perylene-d12	23.32	264	585725	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	13821	5.19	ng/uL	0.00
5) Phenol-d5	6.72	99	313617	32.57	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.87	67	191830	32.91	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	255930	34.66	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	272603	32.35	ng/ul	0.00
19) Nitrobenzene-d5	8.68	128	136893	34.49	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	152307	37.08	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	269376	31.66	ng/ul	0.00
29) 4-Chloroaniline-d4	10.45	131	295290	35.23	ng/ul	0.00
43) Dimethylphthalate-d6	13.60	166	923727	35.56	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	1187344	37.06	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	82849	23.10	ng/ul	0.00
57) Fluorene-d10	15.18	176	779783	33.50	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.34	200	96435	22.92	ng/ul	0.00
70) Anthracene-d10	17.04	188	1194714	35.30	ng/ul	0.00
76) Pyrene-d10	19.34	212	1288501	36.43	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.19	264	986501	34.61	ng/ul	0.00

Target Compounds

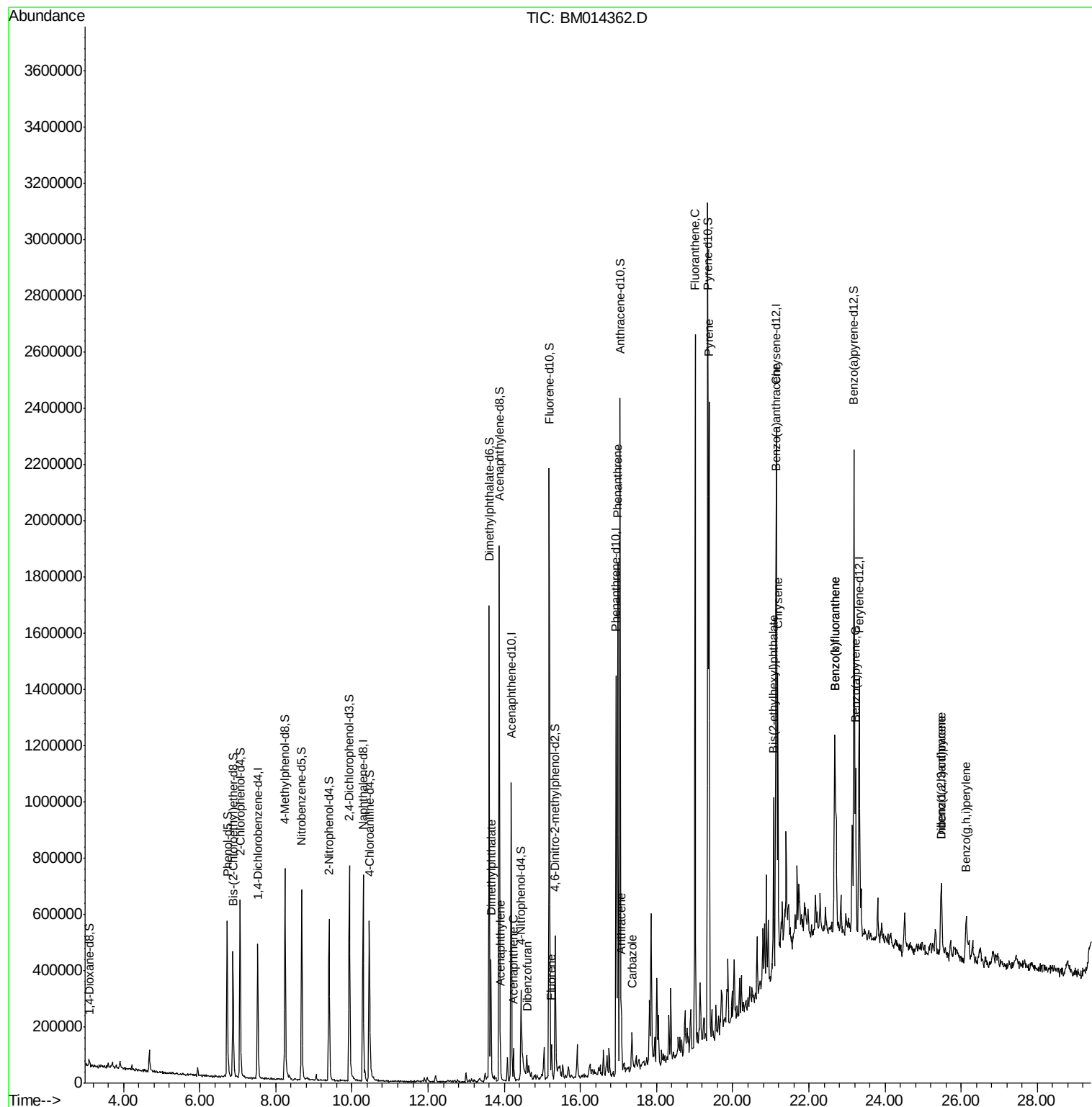
					Ovalue	
44) Dimethylphthalate	13.65	163	229544	8.960	ng/ul	100
47) Acenaphthylene	13.90	152	34799	1.149	ng/ul	98
49) Acenaphthene	14.24	153	39570	1.856	ng/ul	95
53) Dibenzofuran	14.59	168	34750	1.087	ng/ul	95
58) Fluorene	15.24	166	40705	1.475	ng/ul#	96
69) Phenanthrene	16.98	178	959170	23.733	ng/ul	99
71) Anthracene	17.07	178	144478	3.555	ng/ul	98
72) Carbazole	17.36	167	61330	1.795	ng/ul#	96
74) Fluoranthene	19.01	202	1326798	27.479	ng/ul#	94
77) Pyrene	19.37	202	1286390	28.228	ng/ul#	91
80) Benzo(a)anthracene	21.13	228	514611	12.025	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.07	149	178410	6.611	ng/ul#	94
82) Chrysene	21.19	228	507275	12.706	ng/ul	99
85) Benzo(b)fluoranthene	22.68	252	535136	13.645	ng/ul#	97
86) Benzo(k)fluoranthene	22.68	252	535136	14.351	ng/ul#	98
88) Benzo(a)pyrene	23.23	252	398414	11.368	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.47	276	228635	6.723	ng/ul#	94
90) Dibenzo(a,h)anthracene	25.47	278	32634	1.155	ng/ul#	87
91) Benzo(g,h,i)perylene	26.14	276	166087	6.029	ng/ul#	87

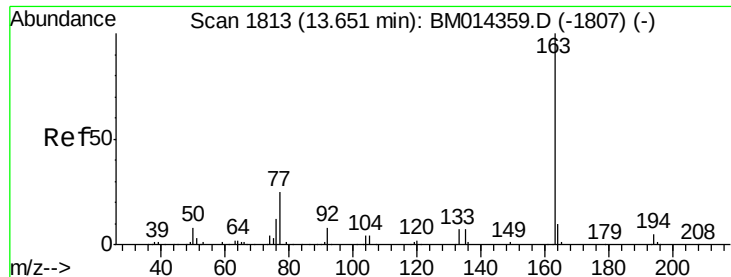
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#44

Dimethylphthalate

Concen: 8.960 ng/ul

RT: 13.65 min Scan# 1813

Delta R.T. -0.00 min

Lab File: BM014362.D

Acq: 26 Feb 2018 18:36

Instrument :

BNA_M

ClientSampleId :

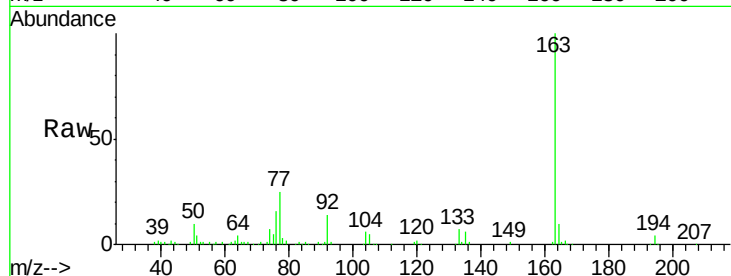
Tot Ion:163 Resp: 229544

Ion Ratio Lower Upper

163 100

194 4.0 3.5 5.3

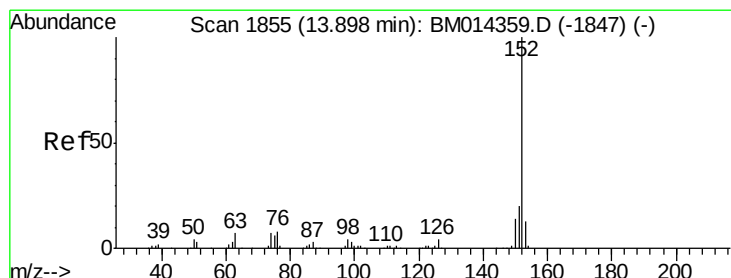
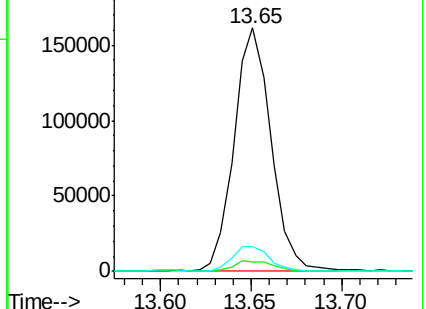
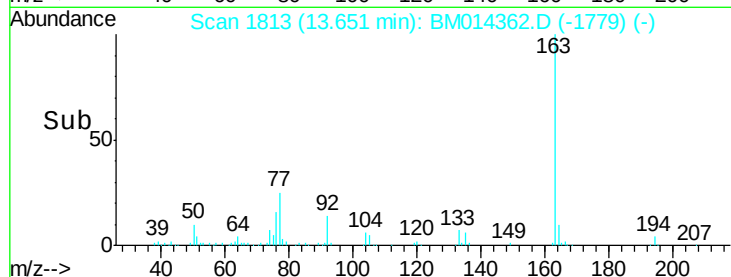
164 10.3 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#47

Acenaphthylene

Concen: 1.149 ng/ul

RT: 13.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BM014362.D

Acq: 26 Feb 2018 18:36

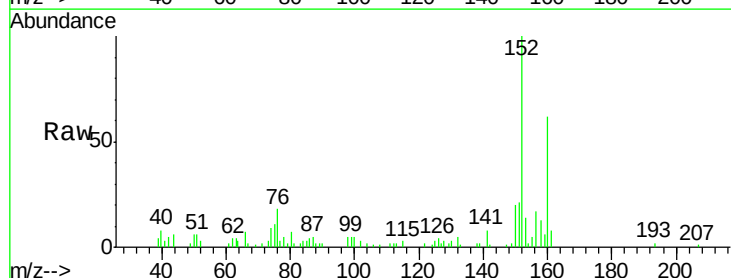
Tgt Ion:152 Resp: 34799

Ion Ratio Lower Upper

152 100

151 20.6 16.3 24.5

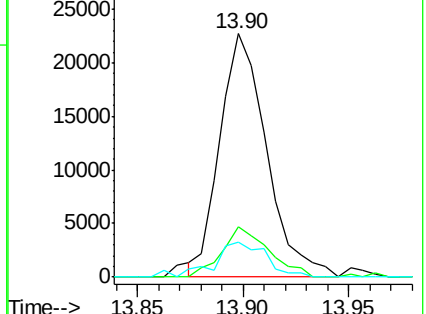
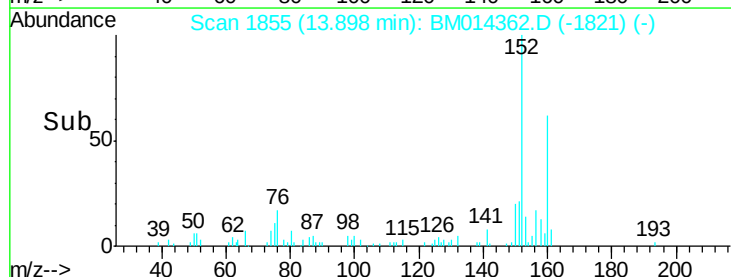
153 14.3 10.2 15.4

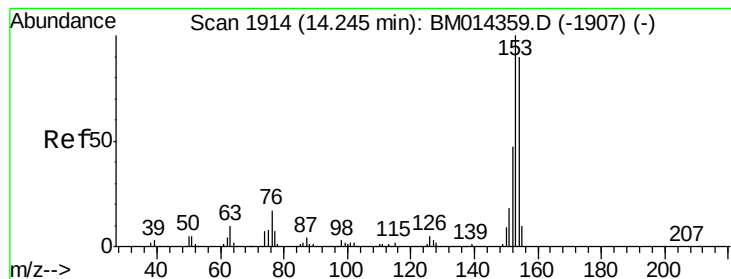


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 1.856 ng/ul

RT: 14.24 min Scan# 1914

Delta R.T. -0.00 min

Lab File: BM014362.D

Acq: 26 Feb 2018 18:36

Instrument :

BNA_M

ClientSampleId :

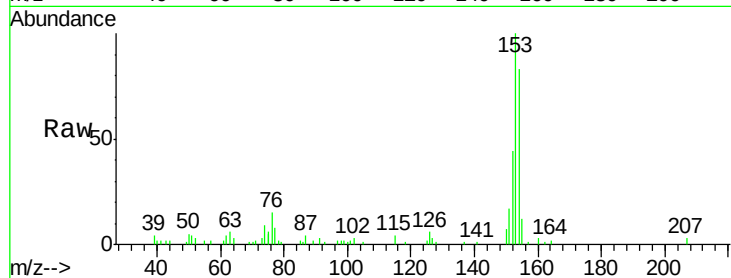
Tot Ion:153 Resp: 39570

Ion Ratio Lower Upper

153 100

152 43.9 37.6 56.4

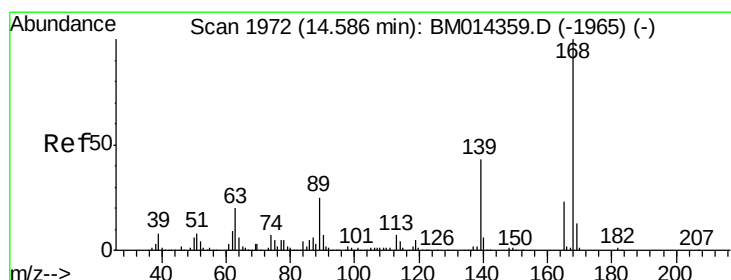
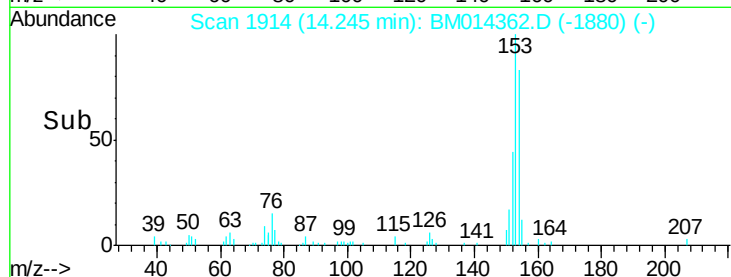
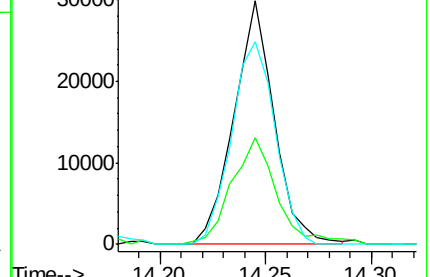
154 83.5 70.4 105.6



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

Dibenzofuran

Concen: 1.087 ng/ul

RT: 14.59 min Scan# 1973

Delta R.T. 0.01 min

Lab File: BM014362.D

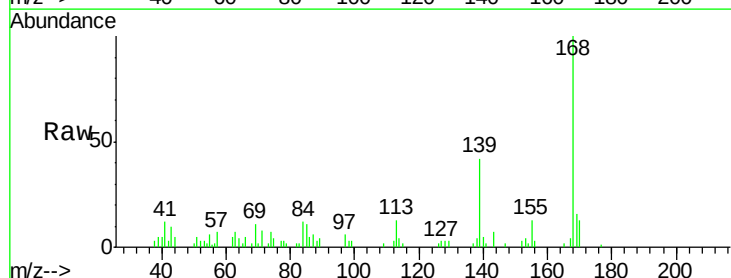
Acq: 26 Feb 2018 18:36

Tgt Ion:168 Resp: 34750

Ion Ratio Lower Upper

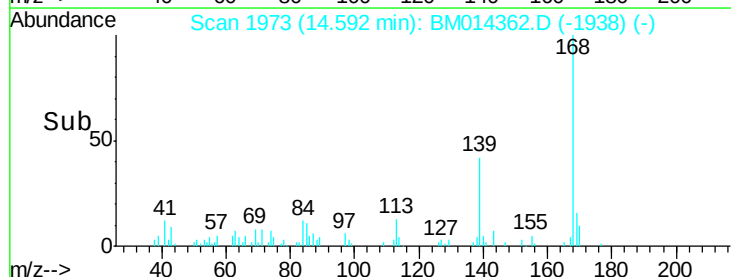
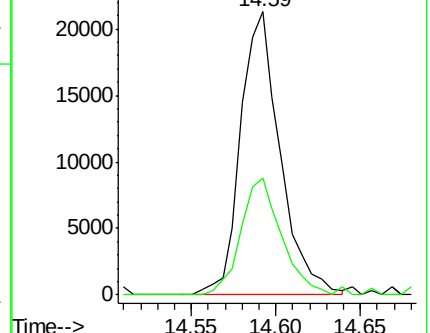
168 100

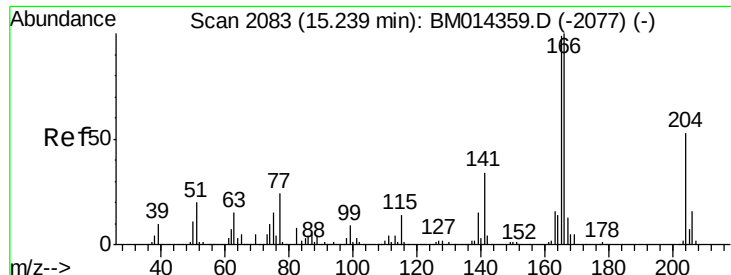
139 41.5 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 1.475 ng/ul

RT: 15.24 min Scan# 2083

Delta R.T. -0.00 min

Lab File: BM014362.D

Acq: 26 Feb 2018 18:36

Instrument :

BNA_M

ClientSampleId :

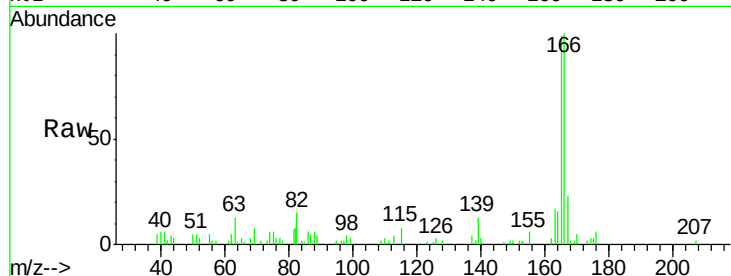
Tot Ion:166 Resp: 40705

Ion Ratio Lower Upper

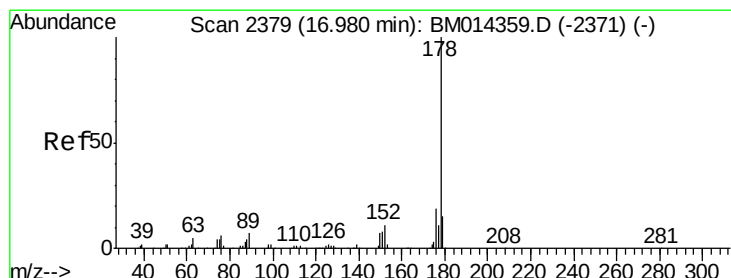
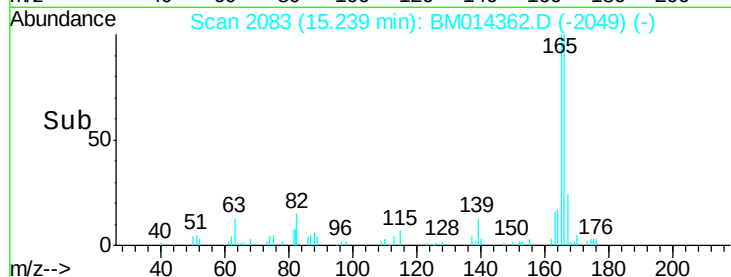
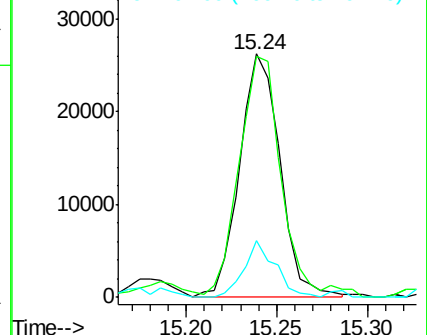
166 100

165 98.9 77.9 116.9

167 23.5 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: 23.733 ng/ul

RT: 16.98 min Scan# 2379

Delta R.T. -0.00 min

Lab File: BM014362.D

Acq: 26 Feb 2018 18:36

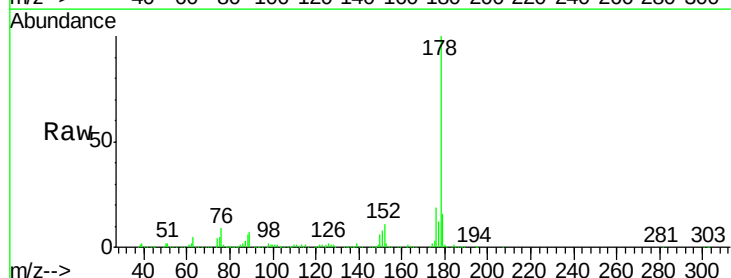
Tgt Ion:178 Resp: 959170

Ion Ratio Lower Upper

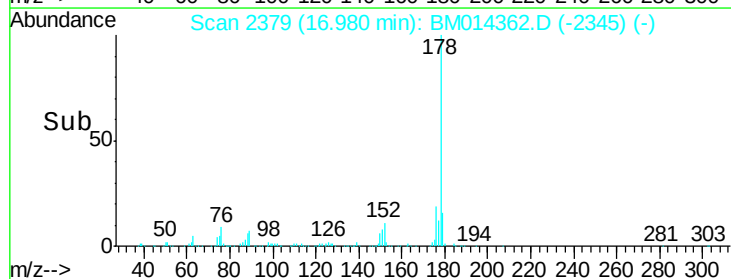
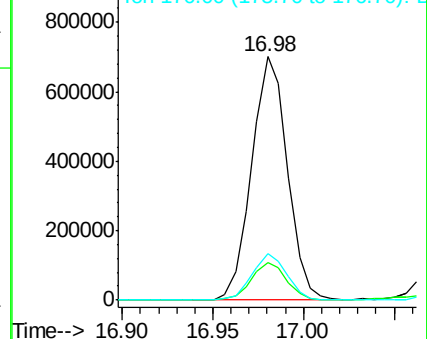
178 100

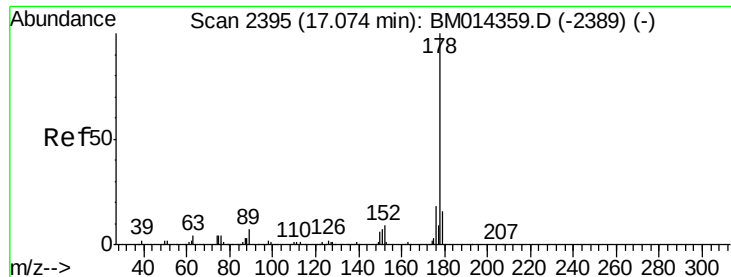
179 15.7 12.6 19.0

176 19.3 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

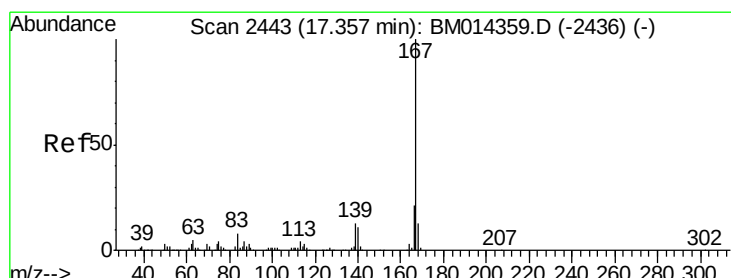
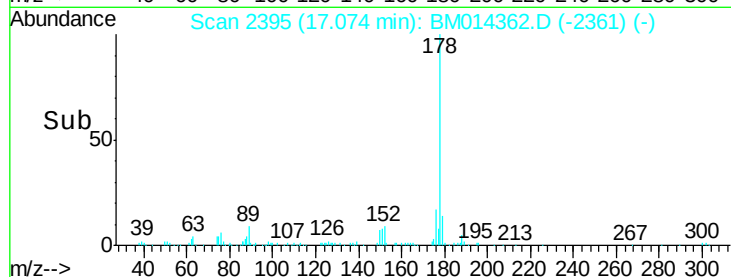
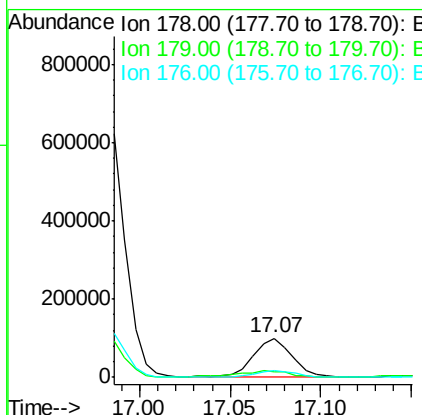
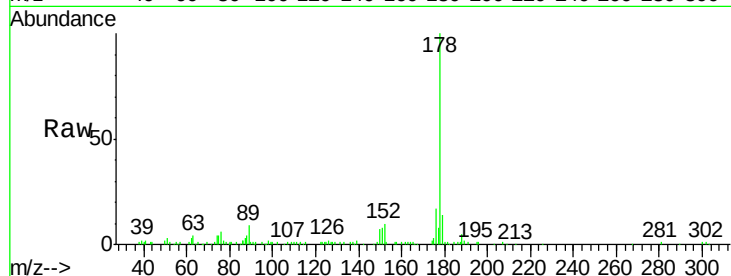




#71
 Anthracene
 Concen: 3.555 ng/ul
 RT: 17.07 min Scan# 2395
 Delta R.T. -0.00 min
 Lab File: BM014362.D
 Acq: 26 Feb 2018 18:36

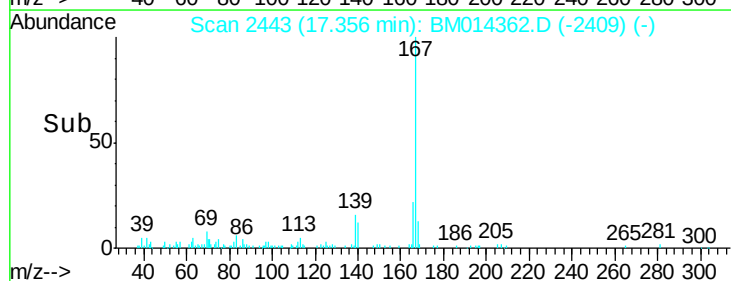
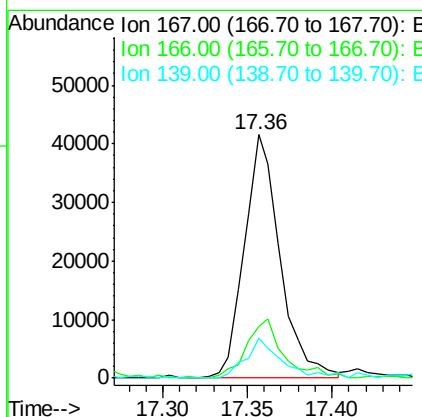
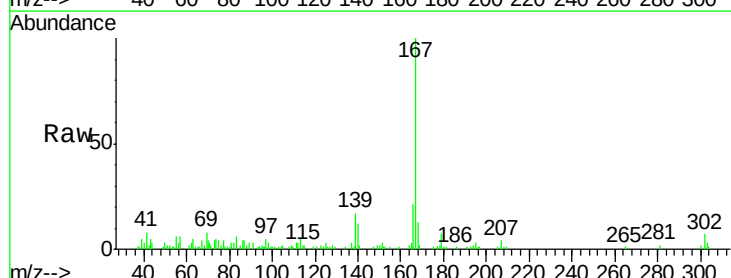
Instrument :
 BNA_M
 ClientSampleId :

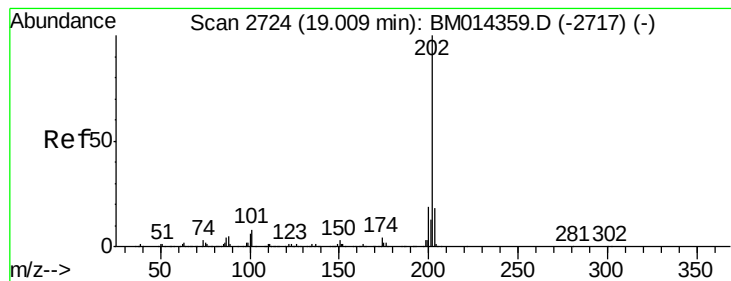
Tot Ion:178 Resp: 144478
 Ion Ratio Lower Upper
 178 100
 179 14.5 11.7 17.5
 176 16.9 14.6 21.8



#72
 Carbazole
 Concen: 1.795 ng/ul
 RT: 17.36 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BM014362.D
 Acq: 26 Feb 2018 18:36

Tgt Ion:167 Resp: 61330
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.1 25.7
 139 16.7 10.0 15.0#





#74

Fluoranthene

Concen: 27.479 ng/ul

RT: 19.01 min Scan# 2724

Delta R.T. -0.00 min

Lab File: BM014362.D

Acq: 26 Feb 2018 18:36

Instrument :

BNA_M

ClientSampled :

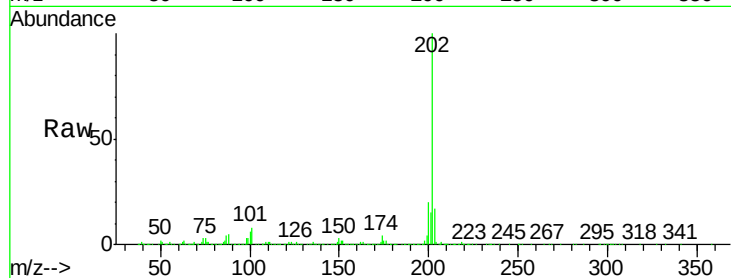
Tot Ion:202 Resp: 1326798

Ion Ratio Lower Upper

202 100

101 7.7 4.6 7.0#

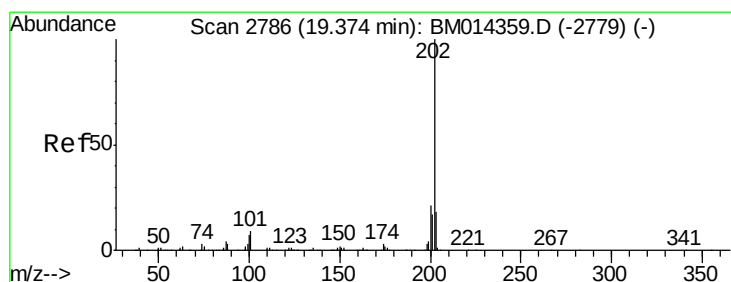
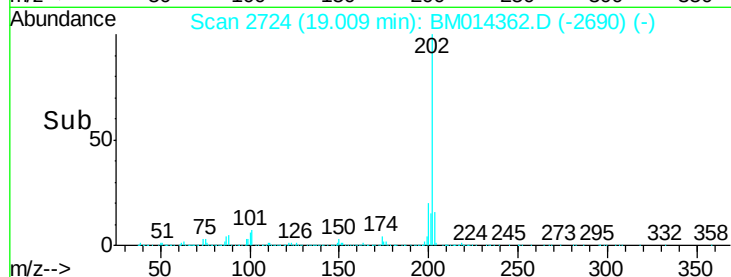
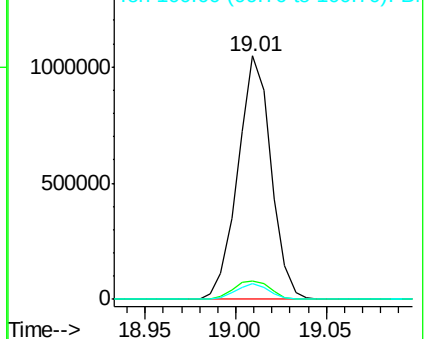
100 6.5 3.4 5.2#



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: 28.228 ng/ul

RT: 19.37 min Scan# 2786

Delta R.T. -0.00 min

Lab File: BM014362.D

Acq: 26 Feb 2018 18:36

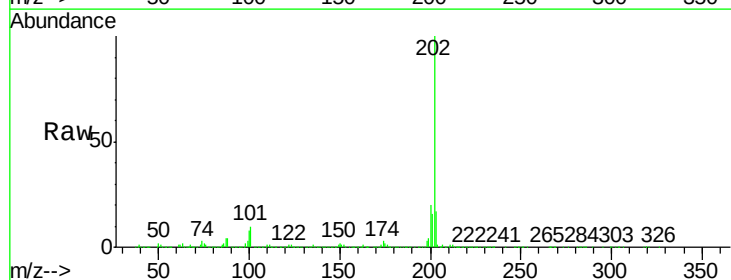
Tgt Ion:202 Resp: 1286390

Ion Ratio Lower Upper

202 100

101 10.0 5.1 7.7#

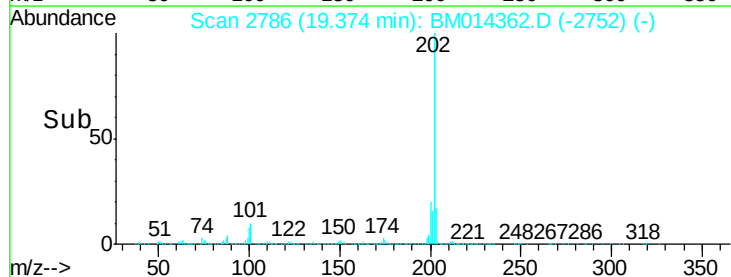
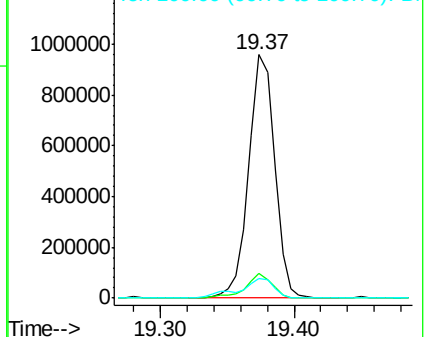
100 8.2 4.9 7.3#

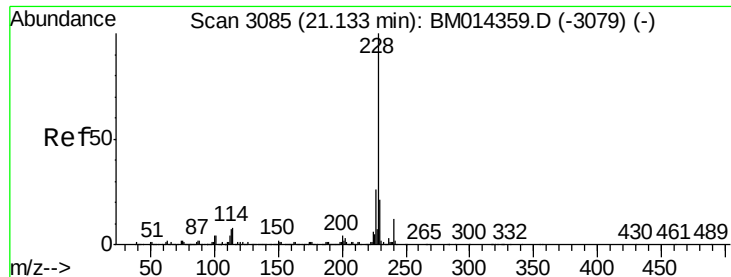


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 12.025 ng/ul

RT: 21.13 min Scan# 3085

Delta R.T. -0.00 min

Lab File: BM014362.D

Acq: 26 Feb 2018 18:36

Instrument :

BNA_M

ClientSampled :

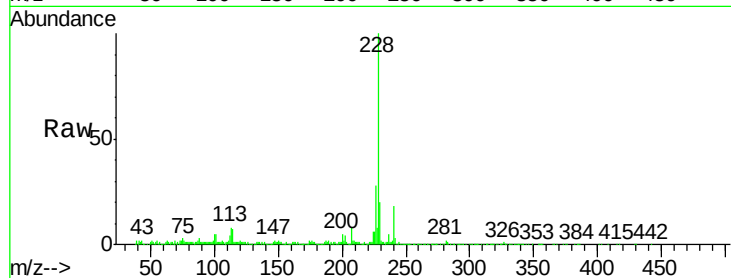
Tot Ion:228 Resp: 514611

Ion Ratio Lower Upper

228 100

229 20.3 15.4 23.0

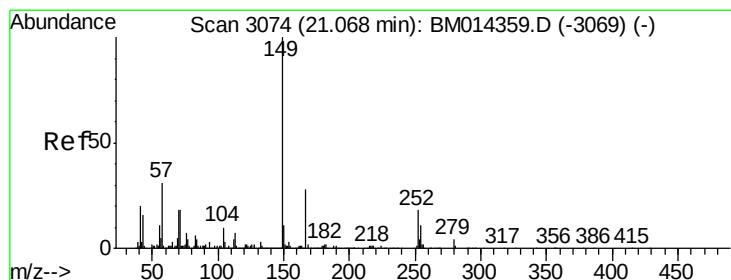
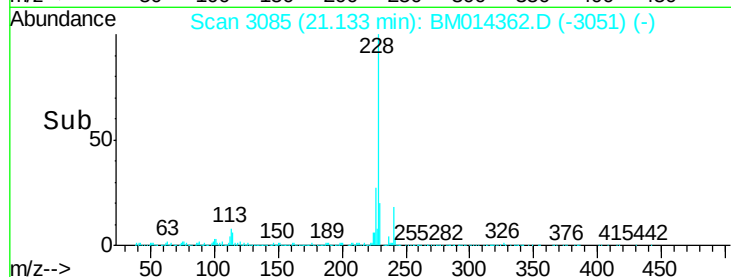
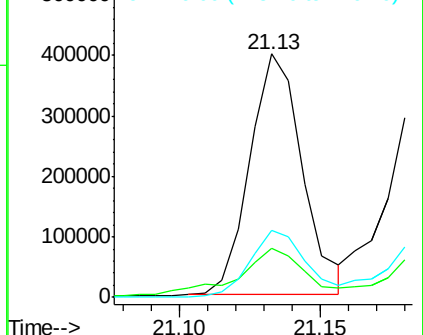
226 27.5 21.4 32.0



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: 6.611 ng/ul

RT: 21.07 min Scan# 3074

Delta R.T. -0.00 min

Lab File: BM014362.D

Acq: 26 Feb 2018 18:36

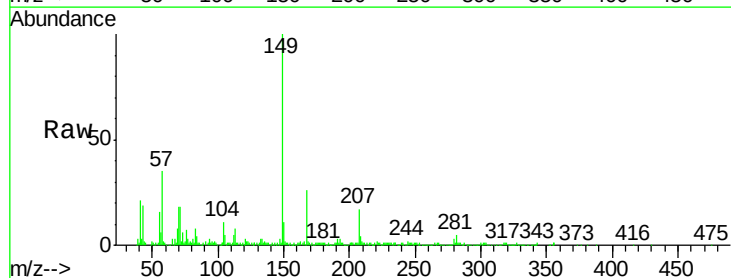
Tgt Ion:149 Resp: 178410

Ion Ratio Lower Upper

149 100

167 25.9 22.8 34.2

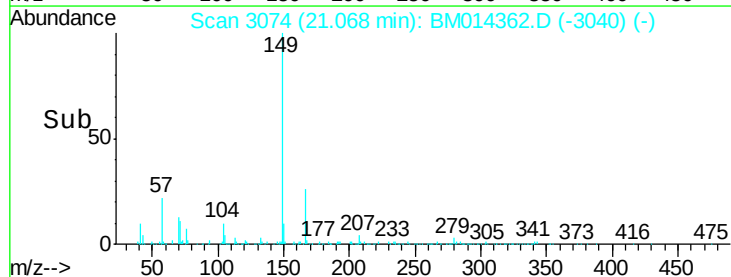
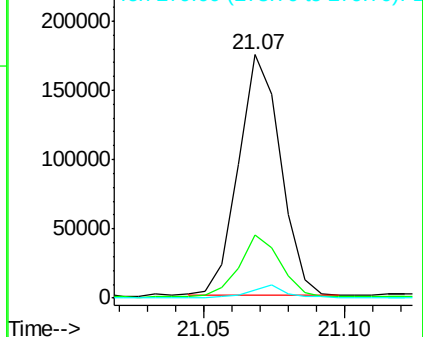
279 3.2 4.9 7.3#

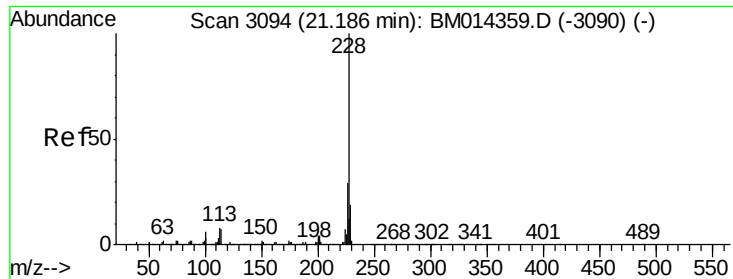


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

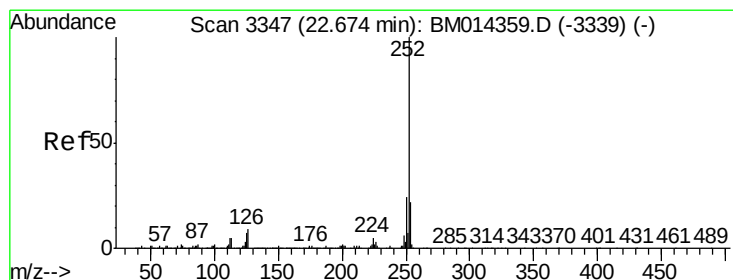
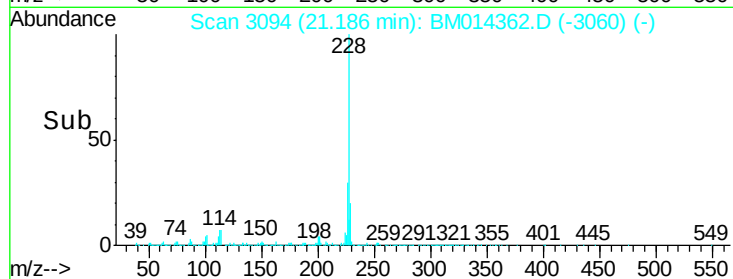
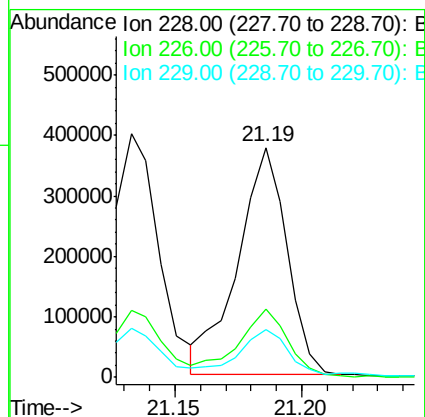
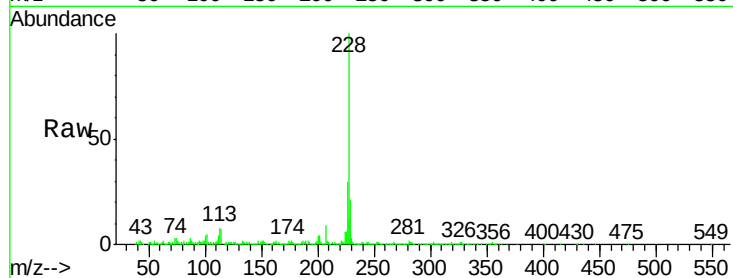




#82
 Chrysene
 Concen: 12.706 ng/ul
 RT: 21.19 min Scan# 3094
 Delta R.T. -0.00 min
 Lab File: BM014362.D
 Acq: 26 Feb 2018 18:36

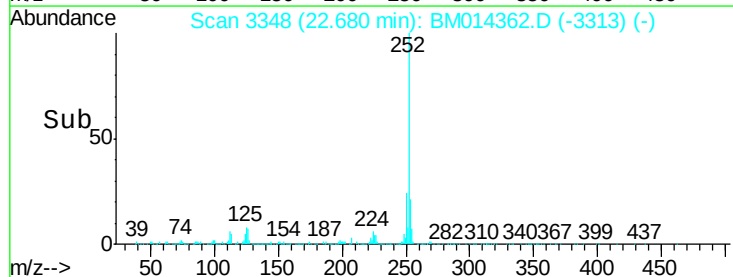
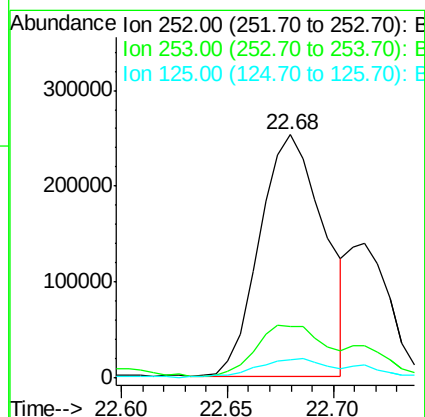
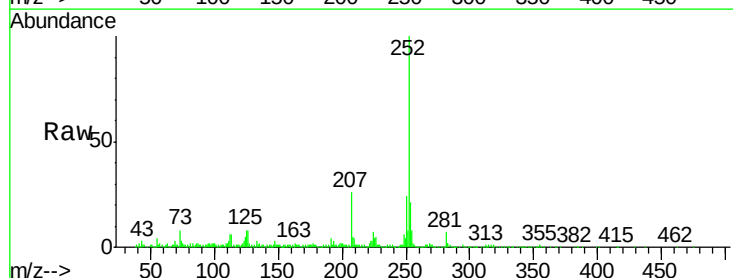
Instrument :
 BNA_M
 ClientSampleId :

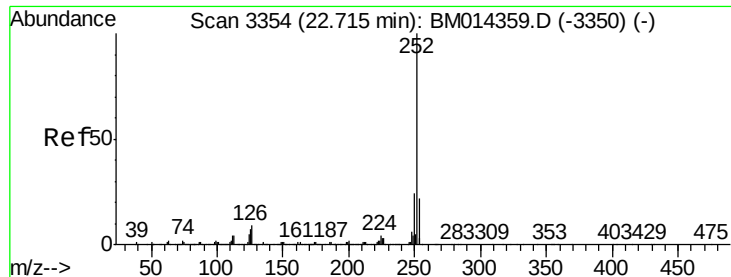
Tot Ion:228 Resp: 507275
 Ion Ratio Lower Upper
 228 100
 226 29.6 23.4 35.2
 229 20.7 15.5 23.3



#85
 Benzo(b)fluoranthene
 Concen: 13.645 ng/ul
 RT: 22.68 min Scan# 3348
 Delta R.T. 0.01 min
 Lab File: BM014362.D
 Acq: 26 Feb 2018 18:36

Tgt Ion:252 Resp: 535136
 Ion Ratio Lower Upper
 252 100
 253 21.5 17.9 26.9
 125 7.8 3.6 5.4#

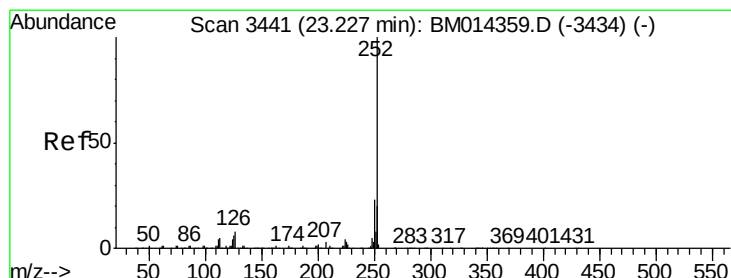
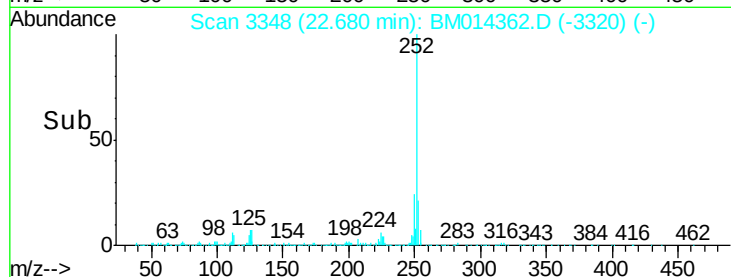
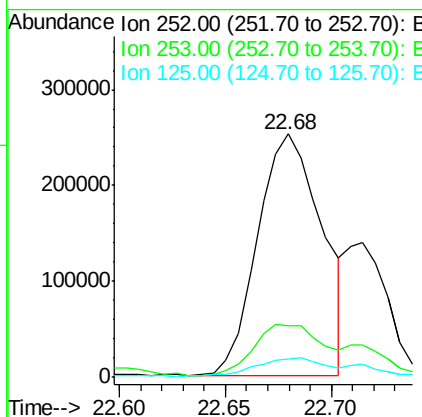
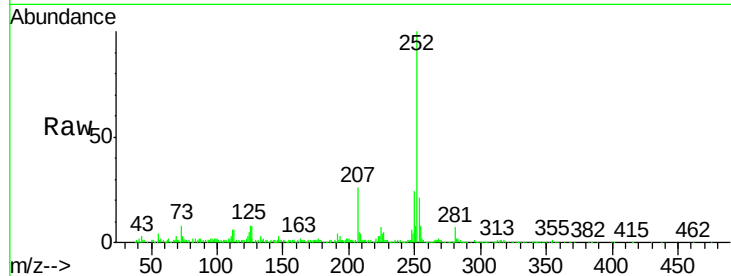




#86
Benzo(k)fluoranthene
Concen: 14.351 ng/ul
RT: 22.68 min Scan# 3348
Delta R.T. -0.04 min
Lab File: BM014362.D
Acq: 26 Feb 2018 18:36

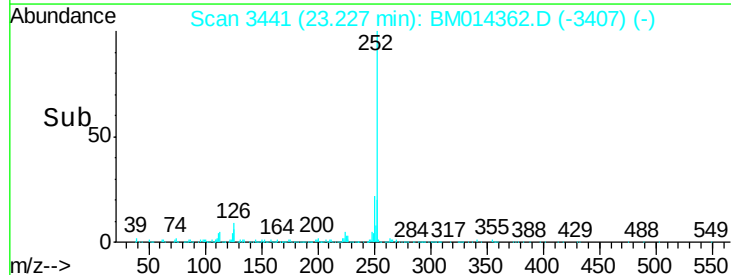
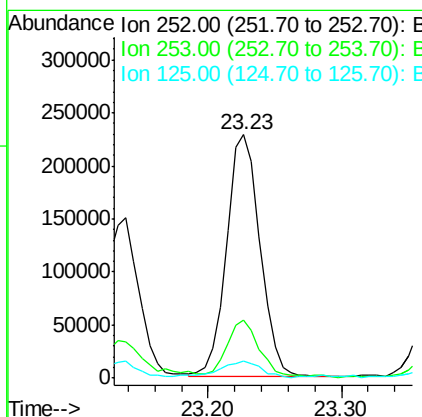
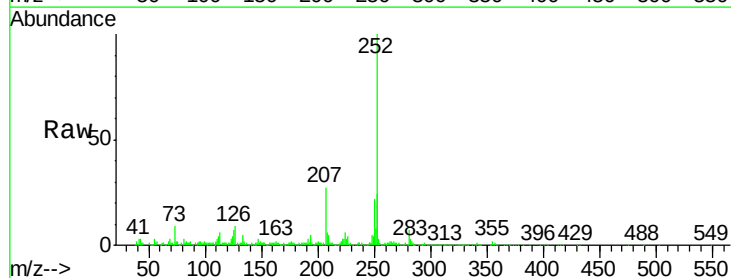
Instrument :
BNA_M
ClientSampleId :

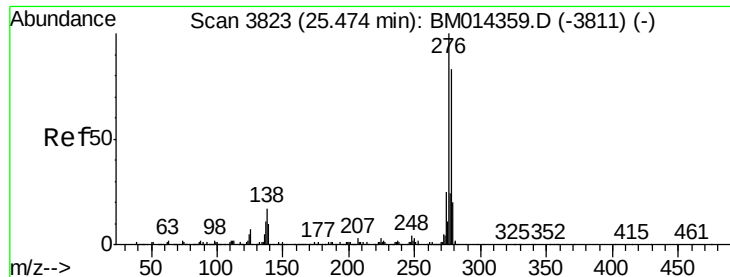
Tot Ion:252 Resp: 535136
Ion Ratio Lower Upper
252 100
253 21.5 17.1 25.7
125 7.8 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 11.368 ng/ul
RT: 23.23 min Scan# 3441
Delta R.T. -0.00 min
Lab File: BM014362.D
Acq: 26 Feb 2018 18:36

Tgt Ion:252 Resp: 398414
Ion Ratio Lower Upper
252 100
253 23.6 18.2 27.2
125 7.1 4.0 6.0#



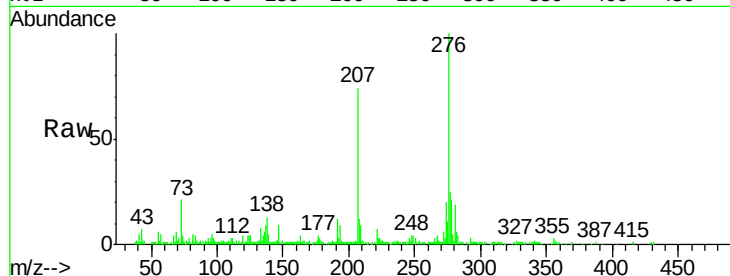


#89

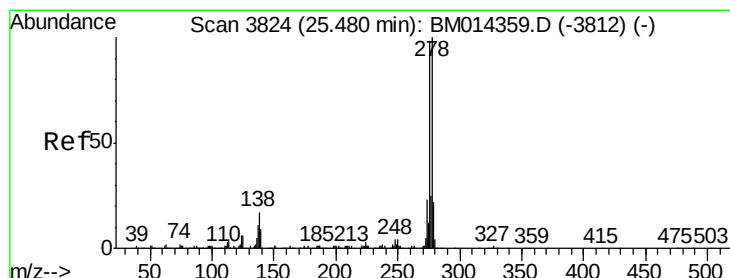
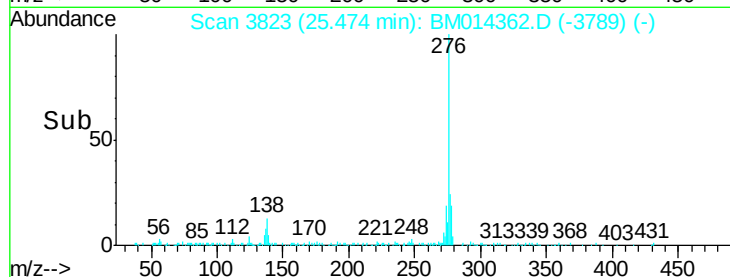
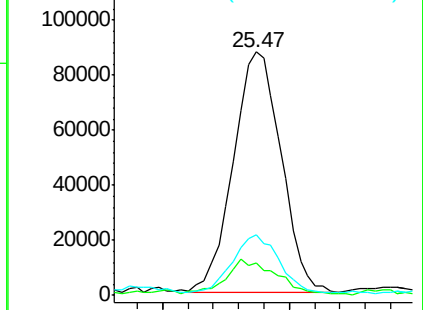
Indeno(1,2,3-cd)pyrene
Concen: 6.723 ng/ul
RT: 25.47 min Scan# 3823
Delta R.T. -0.00 min
Lab File: BM014362.D
Acq: 26 Feb 2018 18:36

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.6	9.3	13.9#
277	24.7	19.9	29.9



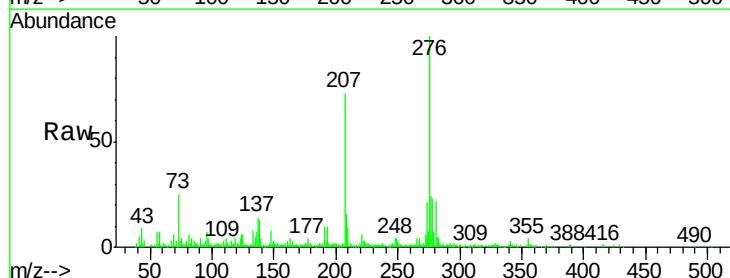
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



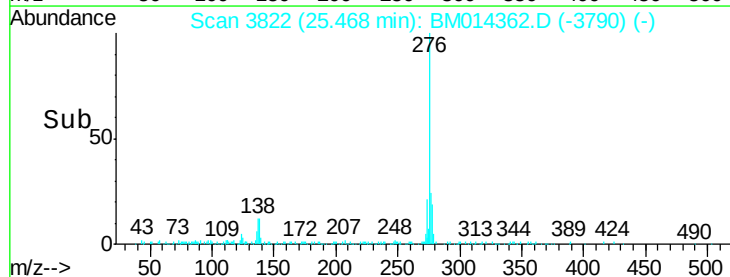
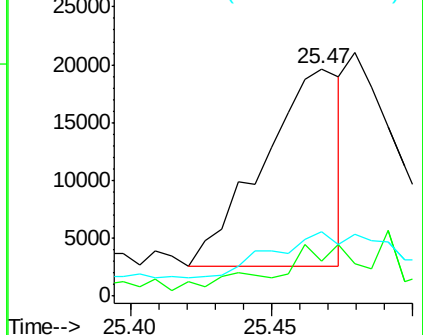
#90

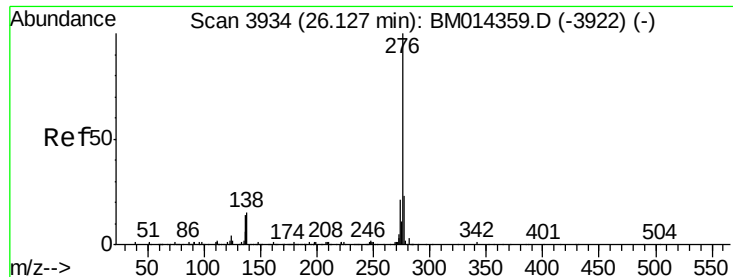
Dibenzo(a,h)anthracene
Concen: 1.155 ng/ul
RT: 25.47 min Scan# 3822
Delta R.T. -0.01 min
Lab File: BM014362.D
Acq: 26 Feb 2018 18:36

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.3	5.8	8.8#
279	28.3	18.6	27.8#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 6.029 ng/ul

RT: 26.14 min Scan# 3936

Delta R.T. 0.01 min

Lab File: BM014362.D

Acq: 26 Feb 2018 18:36

Instrument :

BNA_M

ClientSampleId :

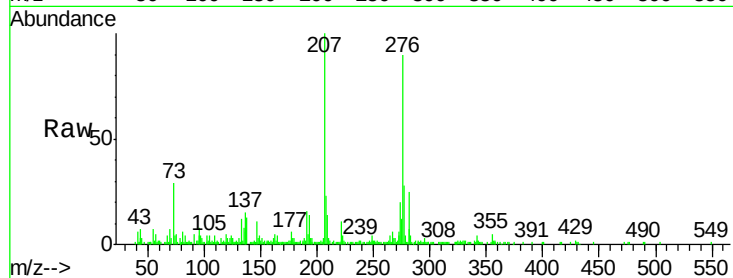
Tot Ion:276 Resp: 166087

Ion Ratio Lower Upper

276 100

138 14.1 8.5 12.7#

277 30.8 18.6 28.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

