

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
 Data File : BM014478.D
 Acq On : 05 Mar 2018 18:23
 Operator : SJ/JU
 Sample : J1646-04DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 05 23:57:59 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 05 23:57:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	96156	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	366222	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	204617	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	405287	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	357189	20.00	ng/ul	0.00
83) Perylene-d12	23.34	264	334213	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	2988	1.33	ng/uL	0.00
5) Phenol-d5	6.74	99	46798	5.76	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.86	67	29505	6.00	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	39419	6.33	ng/ul	0.00
13) 4-Methylphenol-d8	8.26	113	32690	4.60	ng/ul	0.00
19) Nitrobenzene-d5	8.68	128	18240	6.74	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	21974	7.84	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.05	165	2180	0.38	ng/ul	0.11
29) 4-Chloroaniline-d4	10.46	131	27144	4.75	ng/ul	0.01
43) Dimethylphthalate-d6	13.60	166	127796	7.56	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	152333	7.31	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	8681	3.72	ng/ul	0.02
57) Fluorene-d10	15.18	176	98309	6.49	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	7618	3.13	ng/ul	0.02
70) Anthracene-d10	17.04	188	145535	7.44	ng/ul	0.00
76) Pyrene-d10	19.35	212	146191	7.94	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	333248	20.49	ng/ul	0.13

Target Compounds

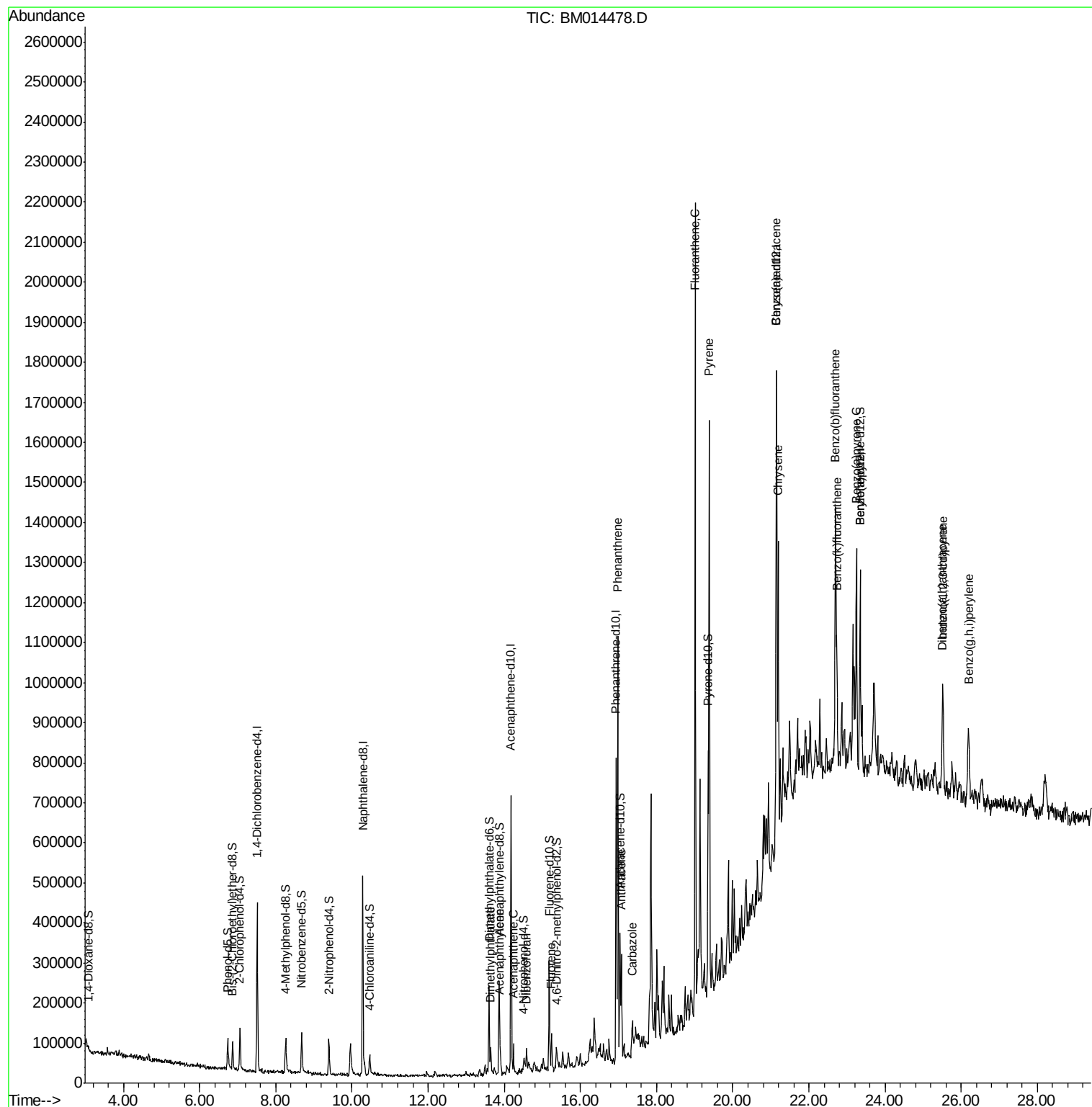
					Ovalue	
44) Dimethylphthalate	13.64	163	31728	1.904	ng/ul	97
47) Acenaphthylene	13.89	152	37858	1.922	ng/ul#	93
49) Acenaphthene	14.24	153	24015	1.732	ng/ul#	86
53) Dibenzofuran	14.59	168	21322	1.025	ng/ul#	69
58) Fluorene	15.24	166	33636	1.874	ng/ul#	88
69) Phenanthrene	16.99	178	565674	24.225	ng/ul	98
71) Anthracene	17.07	178	140577	5.986	ng/ul	98
72) Carbazole	17.36	167	40815	2.067	ng/ul#	90
74) Fluoranthene	19.02	202	1015812	36.411	ng/ul#	96
77) Pyrene	19.38	202	843508	35.534	ng/ul#	95
80) Benzo(a)anthracene	21.14	228	444175	19.925	ng/ul	97
82) Chrysene	21.20	228	383503	18.441	ng/ul	97
85) Benzo(b)fluoranthene	22.70	252	494636	22.103	ng/ul#	99
86) Benzo(k)fluoranthene	22.73	252	165773	7.791	ng/ul#	95
88) Benzo(a)pyrene	23.25	252	370957	18.550	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	25.51	276	232691	11.991	ng/ul	99
90) Dibenzo(a,h)anthracene	25.50	278	69037	4.282	ng/ul#	86
91) Benzo(g,h,i)perylene	26.19	276	167493	10.655	ng/ul#	94

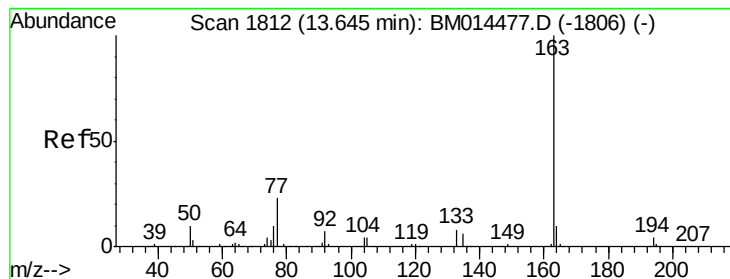
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#44

Dimethylphthalate

Concen: 1.904 ng/ul

RT: 13.64 min Scan# 1812

Delta R.T. -0.00 min

Lab File: BM014478.D

Acq: 05 Mar 2018 18:23

Instrument :

BNA_M

ClientSampled :

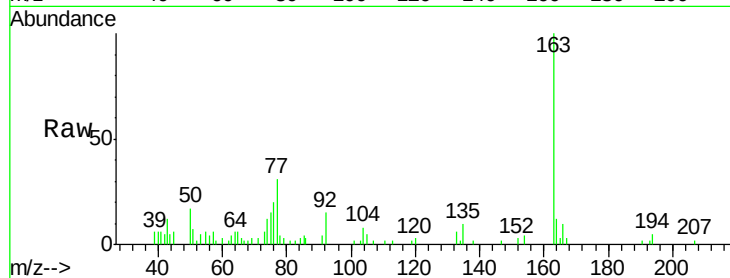
Tot Ion:163 Resp: 31728

Ion Ratio Lower Upper

163 100

194 4.6 3.5 5.3

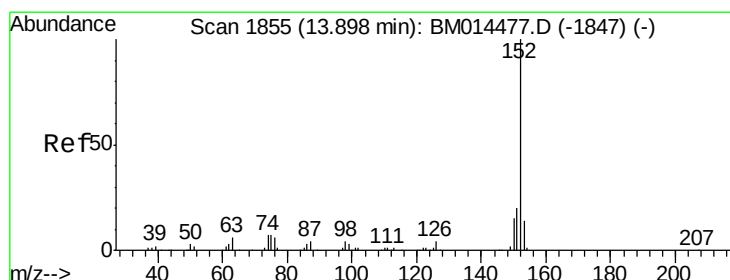
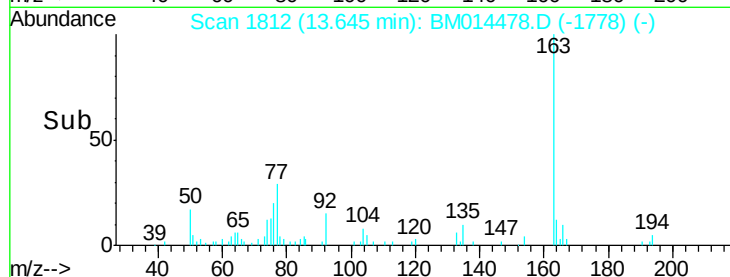
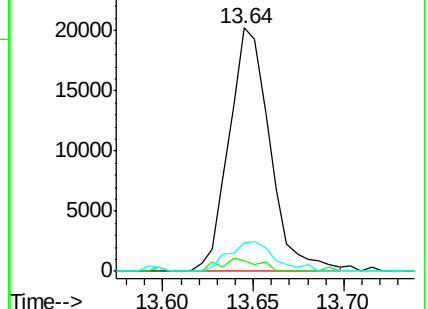
164 11.7 8.2 12.4



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: 1.922 ng/ul

RT: 13.89 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BM014478.D

Acq: 05 Mar 2018 18:23

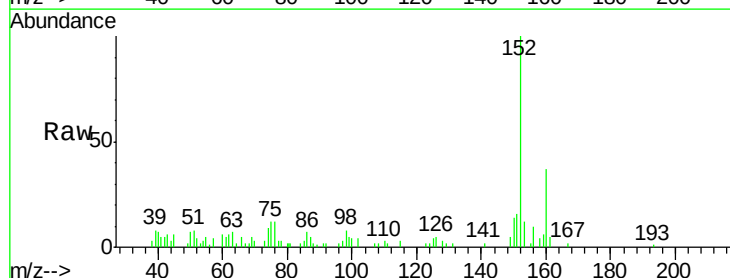
Tgt Ion:152 Resp: 37858

Ion Ratio Lower Upper

152 100

151 15.8 16.3 24.5#

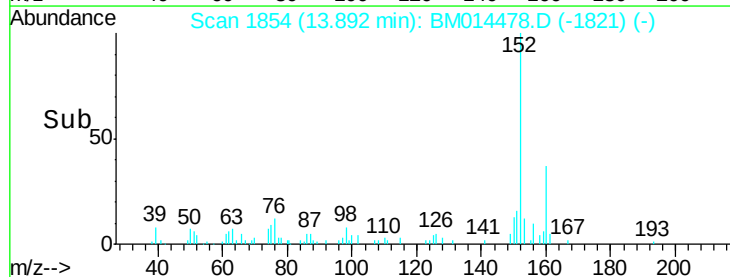
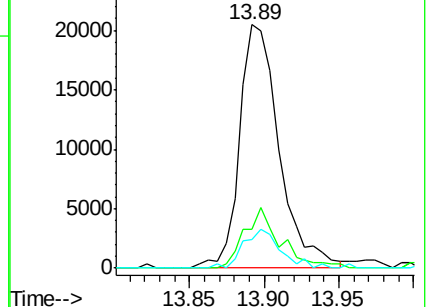
153 11.6 10.2 15.4

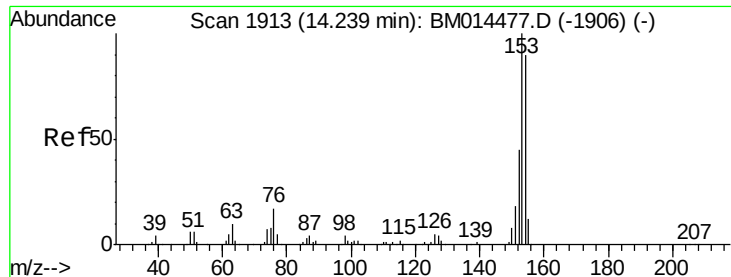


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 1.732 ng/ul

RT: 14.24 min Scan# 1913

Delta R.T. -0.00 min

Lab File: BM014478.D

Acq: 05 Mar 2018 18:23

Instrument :

BNA_M

ClientSampleId :

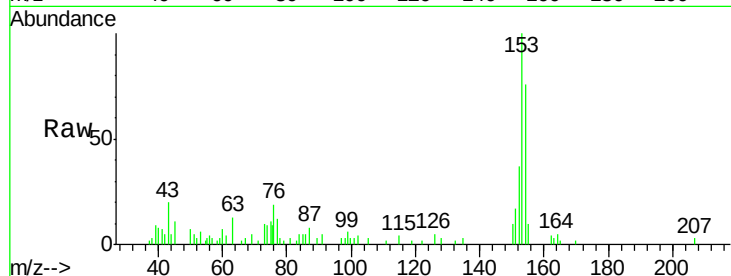
Tot Ion:153 Resp: 24015

Ion Ratio Lower Upper

153 100

152 36.9 37.6 56.4#

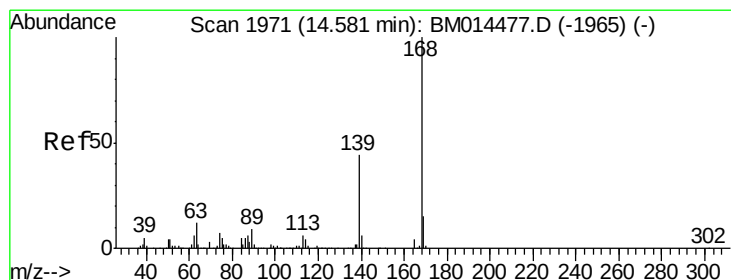
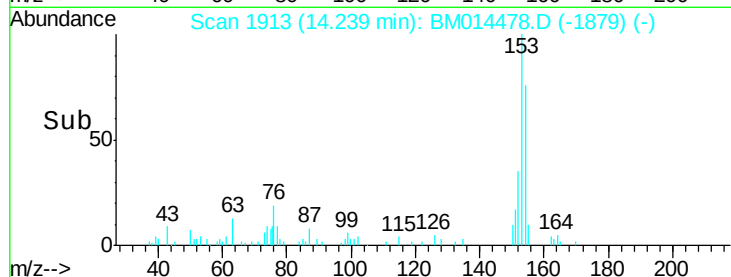
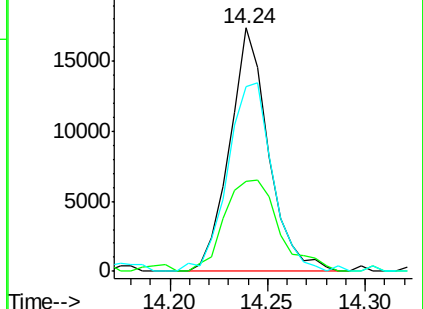
154 76.0 70.4 105.6



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: 1.025 ng/ul

RT: 14.59 min Scan# 1972

Delta R.T. 0.01 min

Lab File: BM014478.D

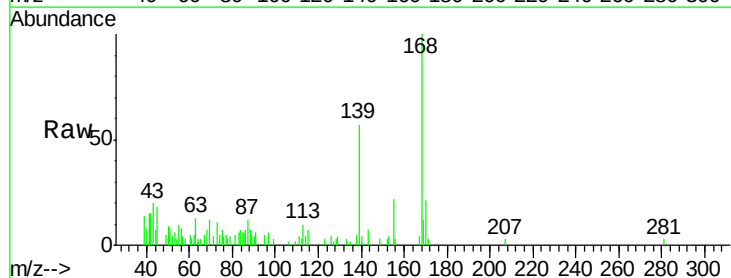
Acq: 05 Mar 2018 18:23

Tgt Ion:168 Resp: 21322

Ion Ratio Lower Upper

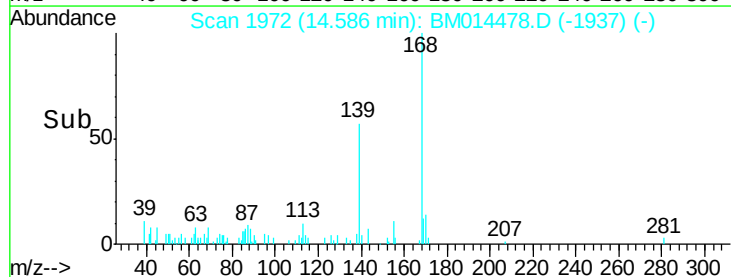
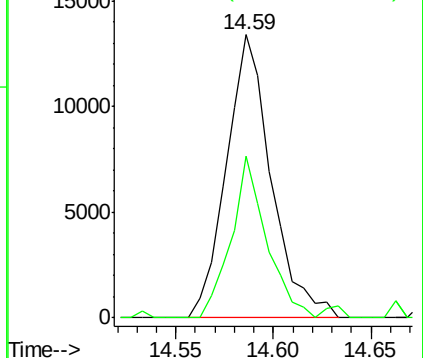
168 100

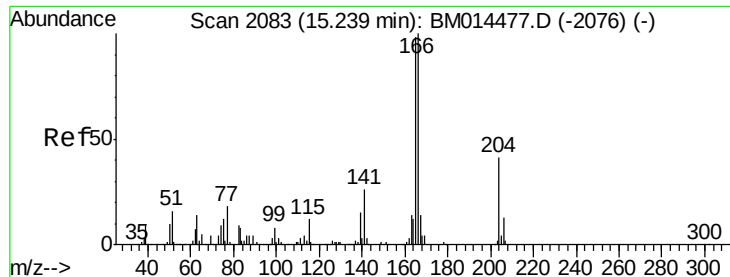
139 57.1 30.8 46.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 1.874 ng/ul

RT: 15.24 min Scan# 2083

Delta R.T. -0.00 min

Lab File: BM014478.D

Acq: 05 Mar 2018 18:23

Instrument :

BNA_M

ClientSampleId :

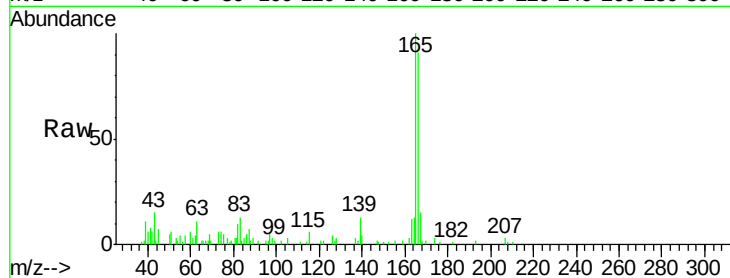
Tot Ion:166 Resp: 33636

Ion Ratio Lower Upper

166 100

165 109.3 77.9 116.9

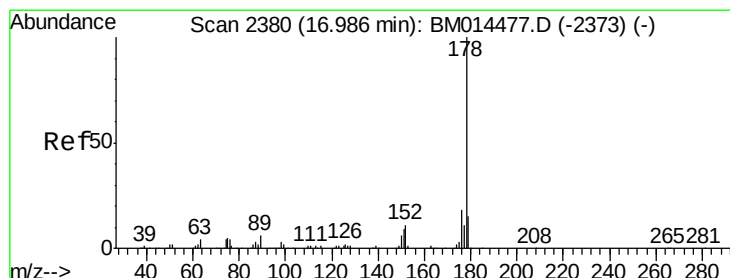
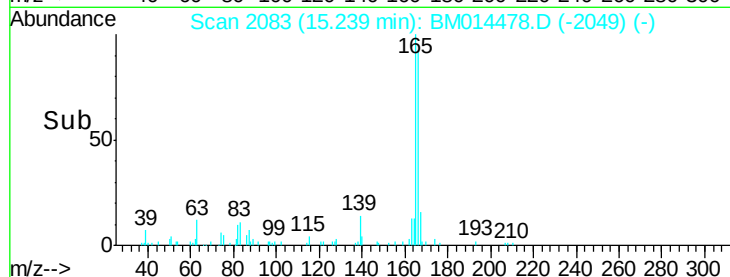
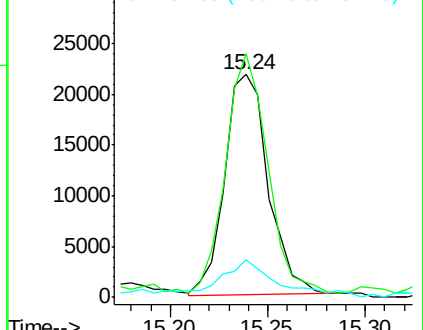
167 16.8 10.6 16.0#



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: 24.225 ng/ul

RT: 16.99 min Scan# 2380

Delta R.T. -0.00 min

Lab File: BM014478.D

Acq: 05 Mar 2018 18:23

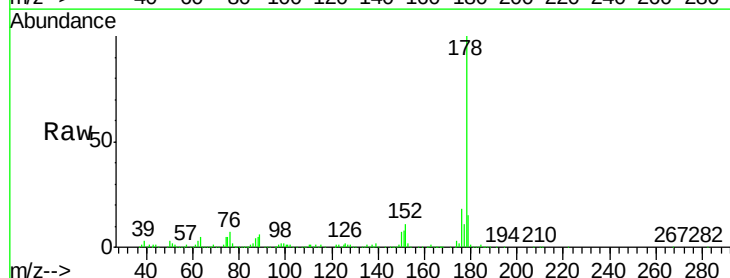
Tgt Ion:178 Resp: 565674

Ion Ratio Lower Upper

178 100

179 14.5 12.6 19.0

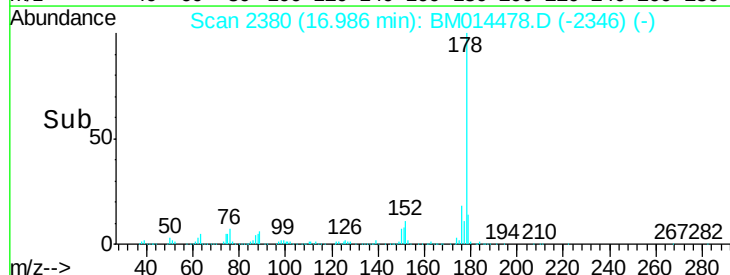
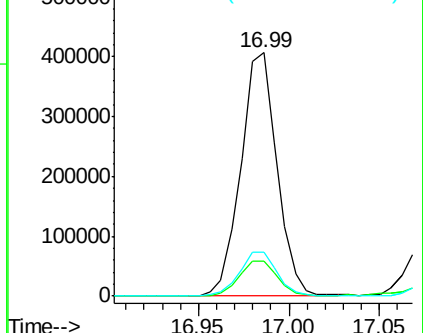
176 18.1 14.9 22.3

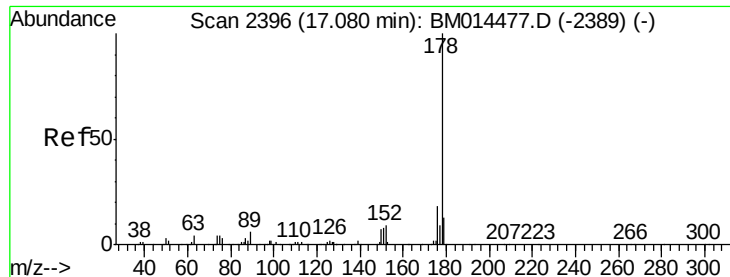


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 5.986 ng/ul

RT: 17.07 min Scan# 2395

Delta R.T. -0.01 min

Lab File: BM014478.D

Acq: 05 Mar 2018 18:23

Instrument :

BNA_M

ClientSampleId :

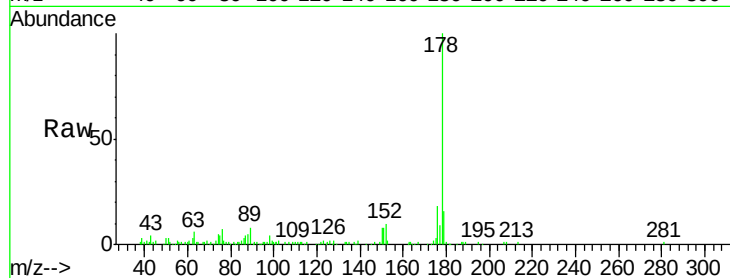
Tot Ion:178 Resp: 140577

Ion Ratio Lower Upper

178 100

179 15.5 11.7 17.5

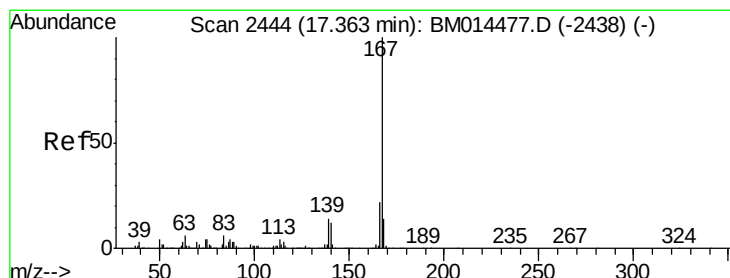
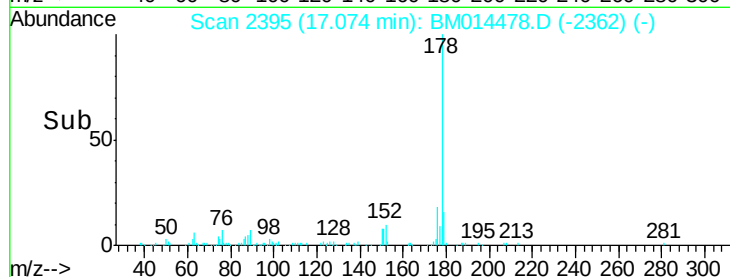
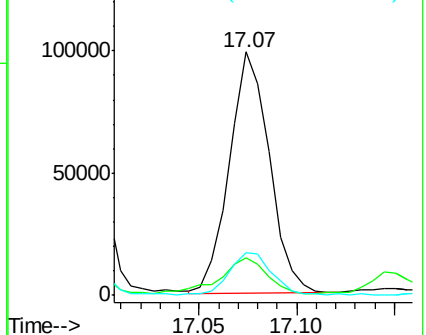
176 17.7 14.6 21.8



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



#72

Carbazole

Concen: 2.067 ng/ul

RT: 17.36 min Scan# 2444

Delta R.T. -0.00 min

Lab File: BM014478.D

Acq: 05 Mar 2018 18:23

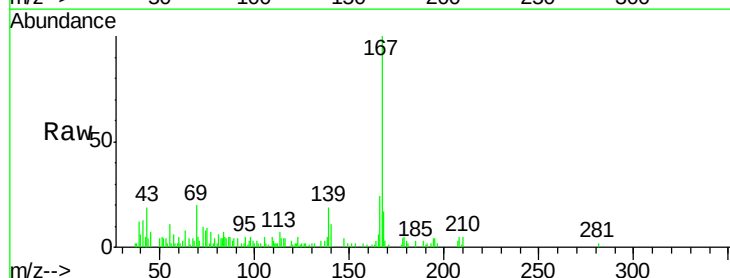
Tgt Ion:167 Resp: 40815

Ion Ratio Lower Upper

167 100

166 24.0 17.1 25.7

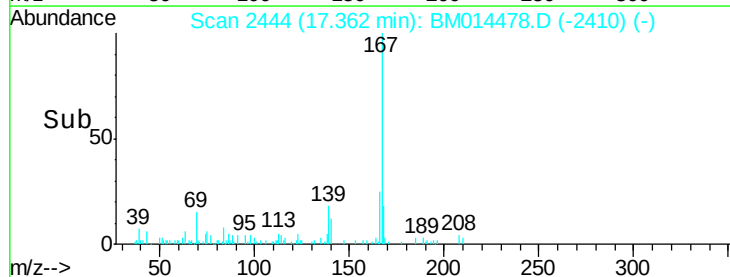
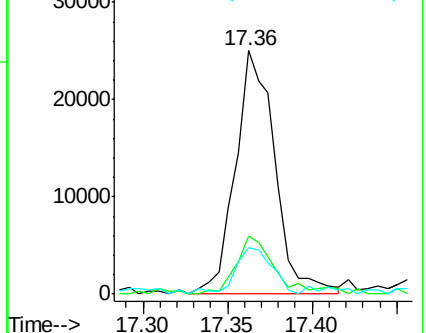
139 19.3 10.0 15.0#

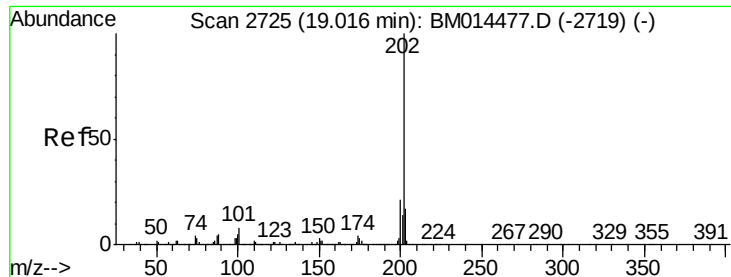


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

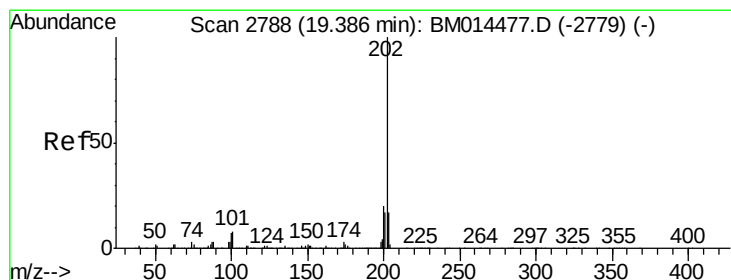
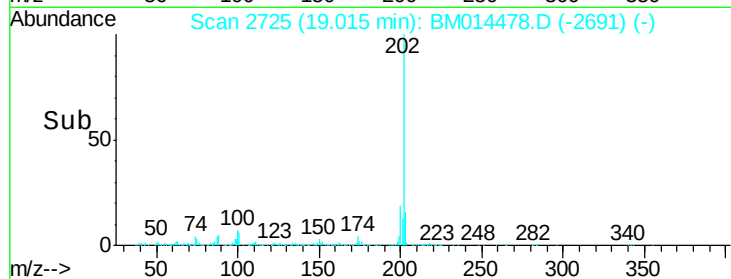
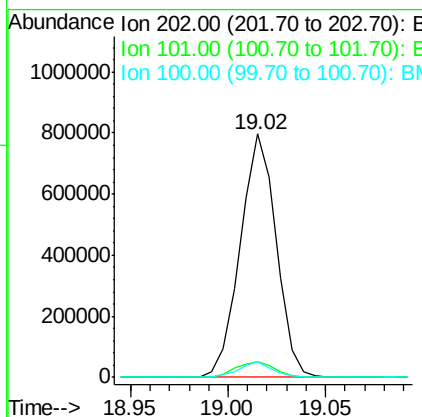
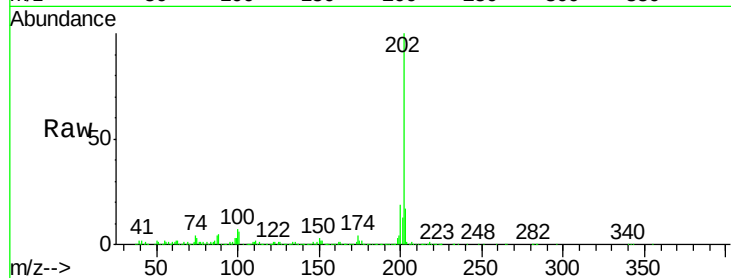




#74
 Fluoranthene
 Concen: 36.411 ng/ul
 RT: 19.02 min Scan# 2725
 Delta R.T. -0.00 min
 Lab File: BM014478.D
 Acq: 05 Mar 2018 18:23

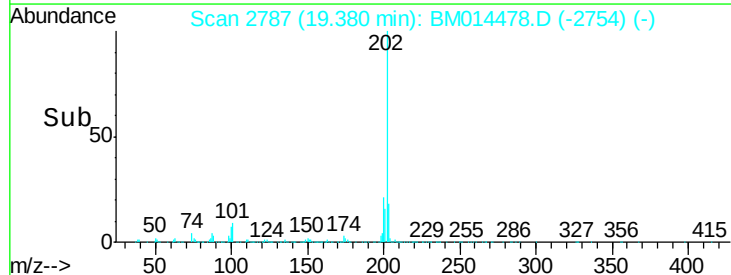
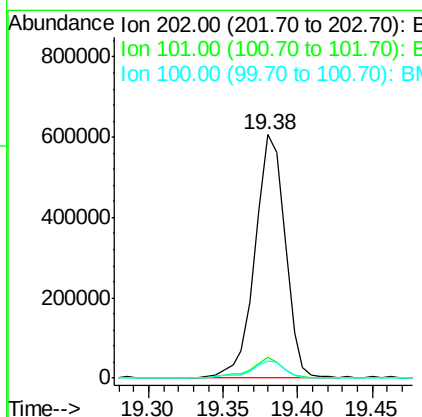
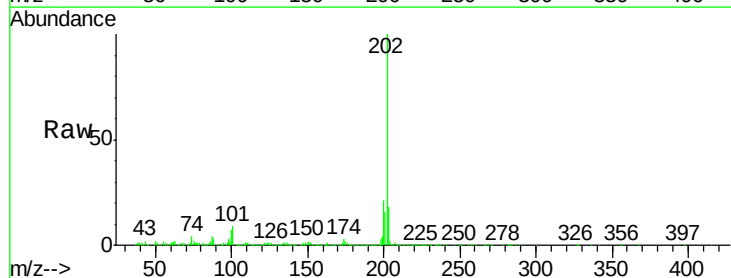
Instrument :
 BNA_M
 ClientSampleId :

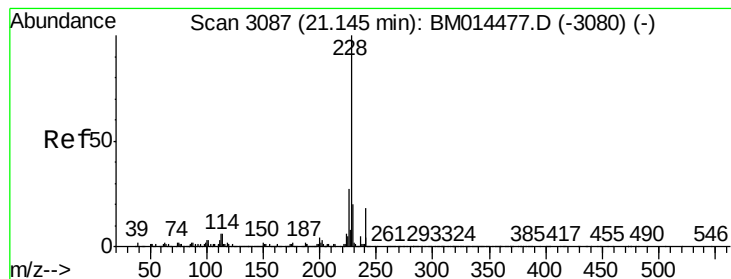
Tot Ion:202 Resp: 1015812
 Ion Ratio Lower Upper
 202 100
 101 6.5 4.6 7.0
 100 6.7 3.4 5.2#



#77
 Pyrene
 Concen: 35.534 ng/ul
 RT: 19.38 min Scan# 2787
 Delta R.T. -0.01 min
 Lab File: BM014478.D
 Acq: 05 Mar 2018 18:23

Tgt Ion:202 Resp: 843508
 Ion Ratio Lower Upper
 202 100
 101 8.8 5.1 7.7#
 100 7.2 4.9 7.3





#80

Benzo(a)anthracene

Concen: 19.925 ng/ul

RT: 21.14 min Scan# 3087

Delta R.T. -0.00 min

Lab File: BM014478.D

Acq: 05 Mar 2018 18:23

Instrument :

BNA_M

ClientSampleId :

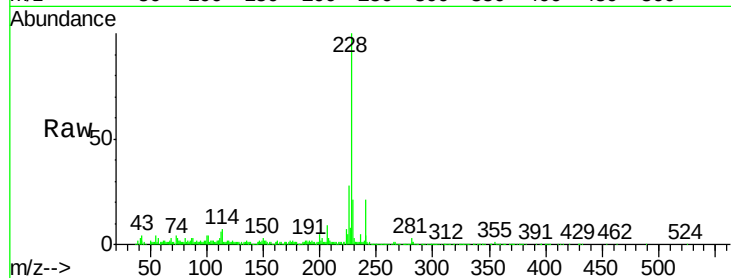
Tot Ion:228 Resp: 444175

Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.4	23.0
226	27.9	21.4	32.0

228 100

229 20.6 15.4 23.0

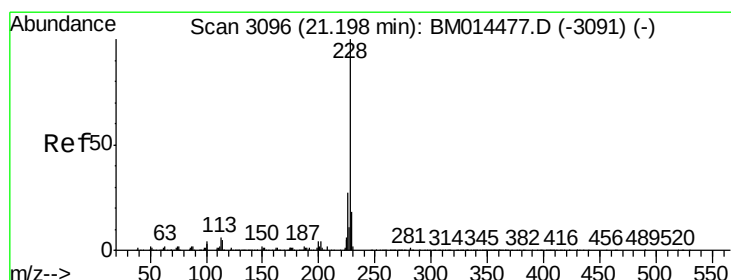
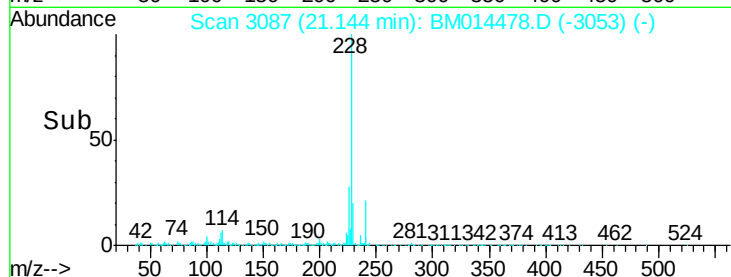
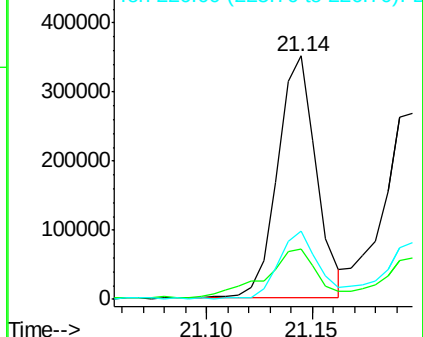
226 27.9 21.4 32.0



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



#82

Chrysene

Concen: 18.441 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BM014478.D

Acq: 05 Mar 2018 18:23

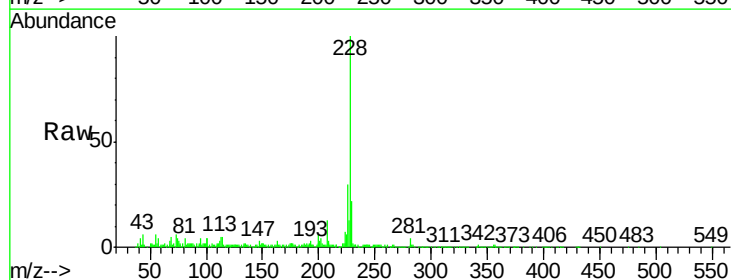
Tgt Ion:228 Resp: 383503

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.4	35.2
229	22.0	15.5	23.3

228 100

226 30.3 23.4 35.2

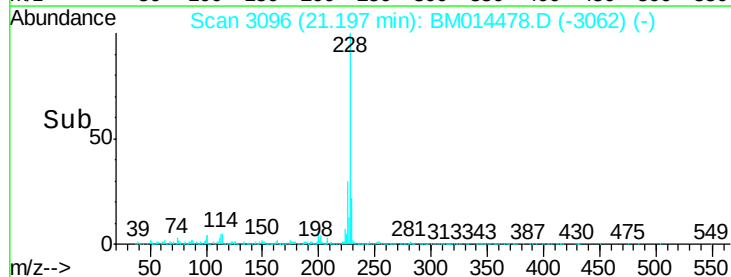
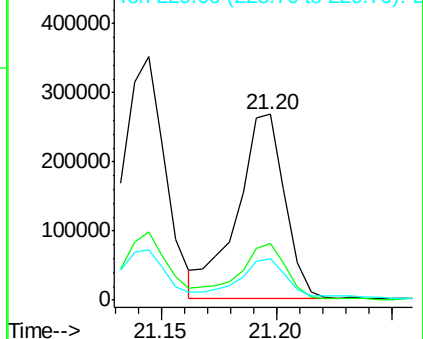
229 22.0 15.5 23.3

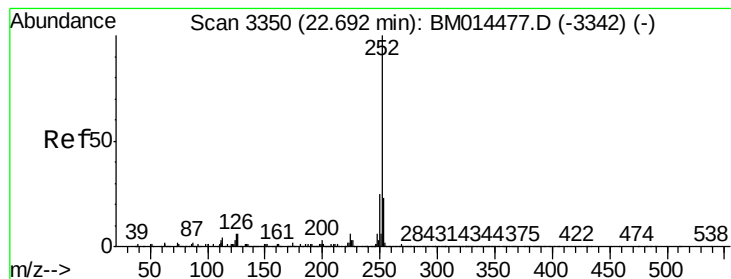


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 22.103 ng/ul

RT: 22.70 min Scan# 3351

Delta R.T. 0.01 min

Lab File: BM014478.D

Acq: 05 Mar 2018 18:23

Instrument :

BNA_M

ClientSampleId :

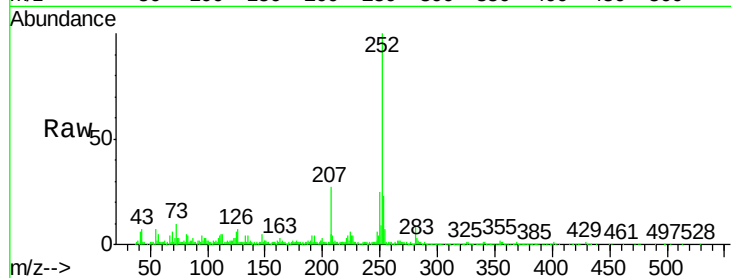
Tot Ion:252 Resp: 494636

Ion Ratio Lower Upper

252 100

253 22.6 17.9 26.9

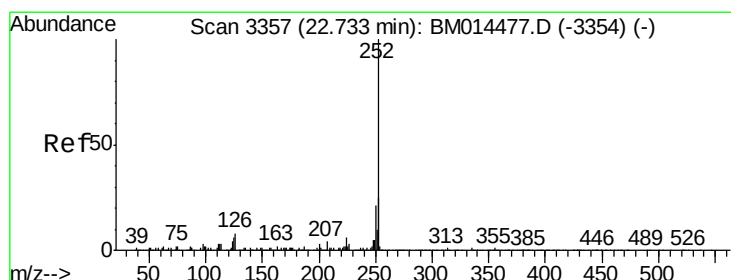
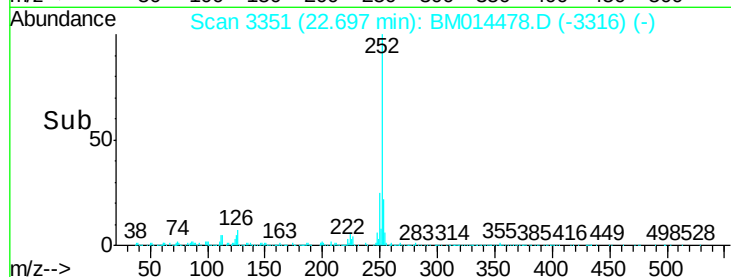
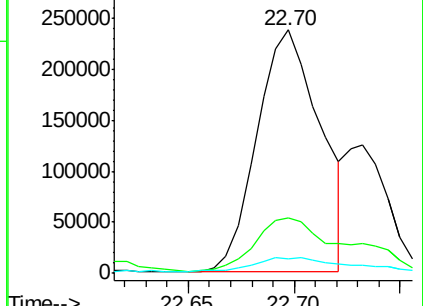
125 5.7 3.6 5.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#86

Benzo(k)fluoranthene

Concen: 7.791 ng/ul

RT: 22.73 min Scan# 3357

Delta R.T. -0.00 min

Lab File: BM014478.D

Acq: 05 Mar 2018 18:23

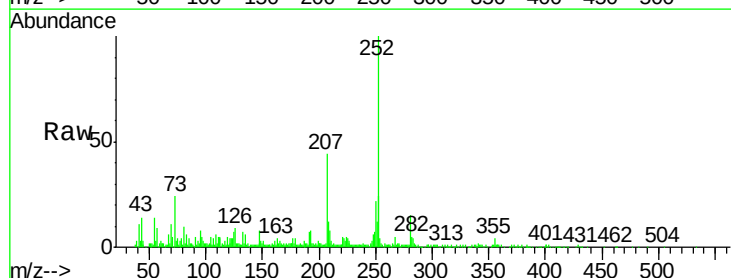
Tgt Ion:252 Resp: 165773

Ion Ratio Lower Upper

252 100

253 23.7 17.1 25.7

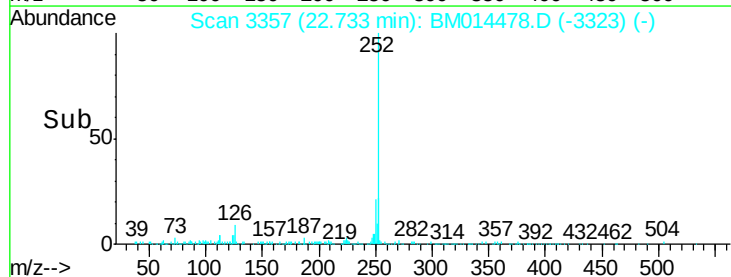
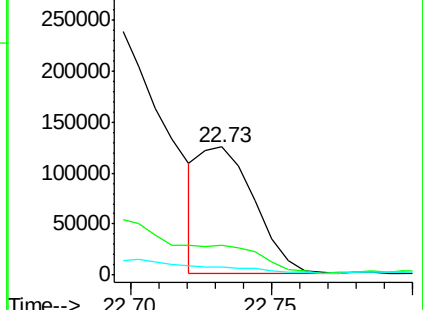
125 6.5 3.4 5.2#

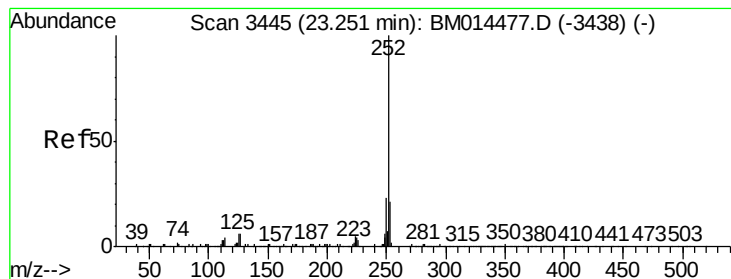


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 18.550 ng/ul

RT: 23.25 min Scan# 3445

Delta R.T. -0.00 min

Lab File: BM014478.D

Acq: 05 Mar 2018 18:23

Instrument :

BNA_M

ClientSampled :

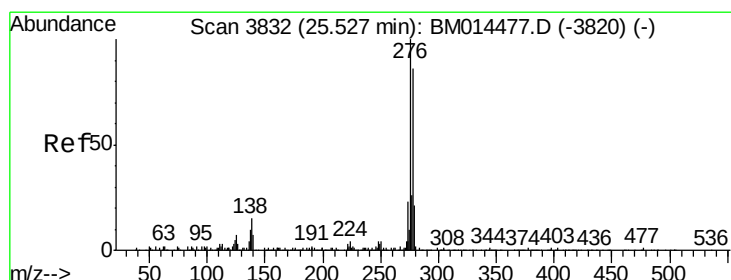
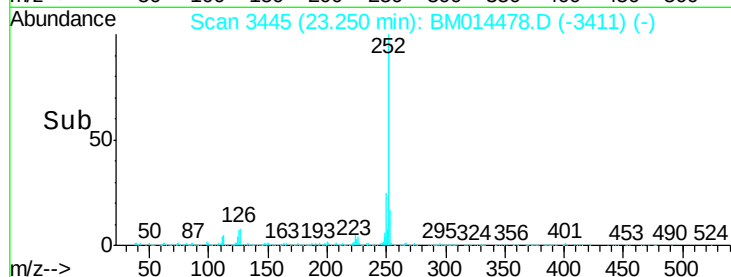
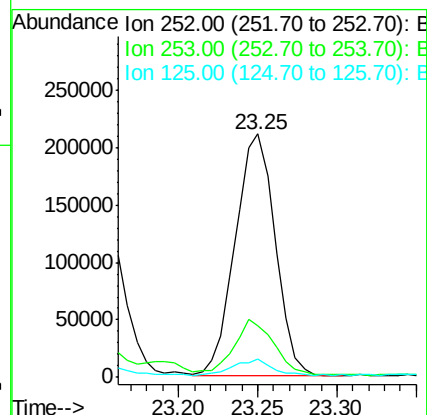
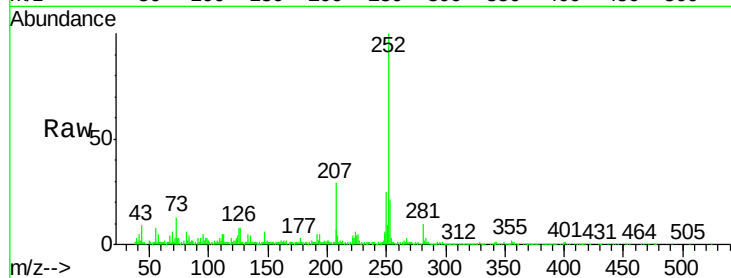
Tot Ion:252 Resp: 370957

Ion Ratio Lower Upper

252 100

253 21.1 18.2 27.2

125 7.6 4.0 6.0#



#89

Indeno(1,2,3-cd)pyrene

Concen: 11.991 ng/ul

RT: 25.51 min Scan# 3830

Delta R.T. -0.01 min

Lab File: BM014478.D

Acq: 05 Mar 2018 18:23

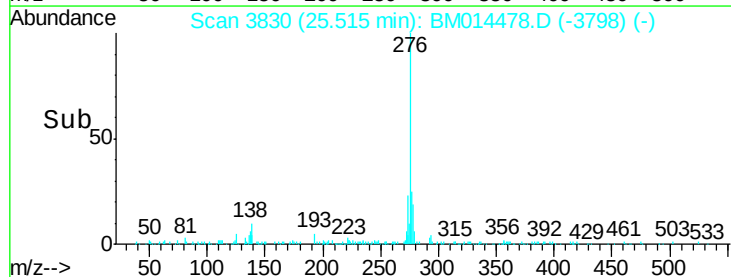
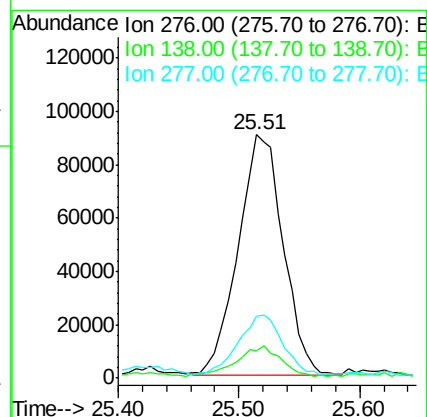
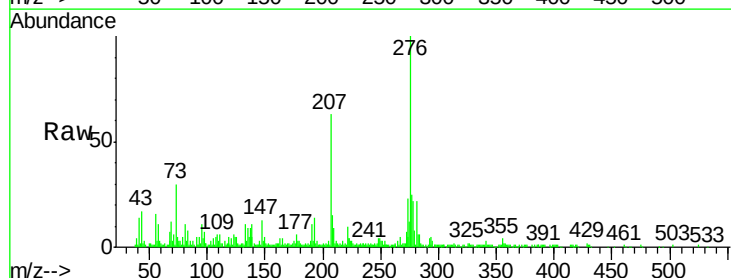
Tgt Ion:276 Resp: 232691

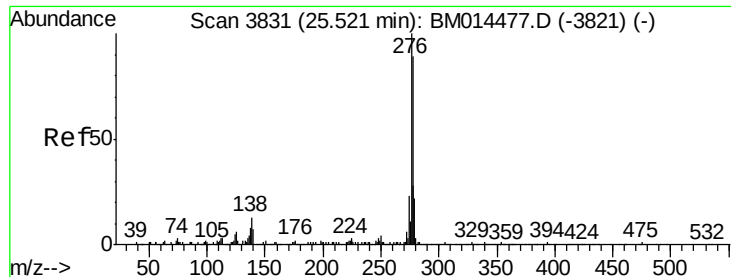
Ion Ratio Lower Upper

276 100

138 11.2 9.3 13.9

277 25.4 19.9 29.9





#90

Dibenzo(a,h)anthracene

Concen: 4.282 ng/ul

RT: 25.50 min Scan# 3828

Delta R.T. -0.02 min

Lab File: BM014478.D

Acq: 05 Mar 2018 18:23

Instrument :

BNA_M

ClientSampleId :

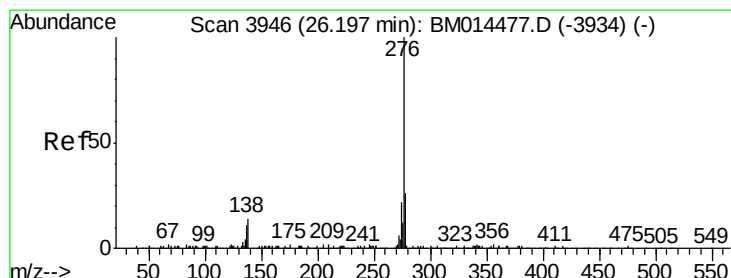
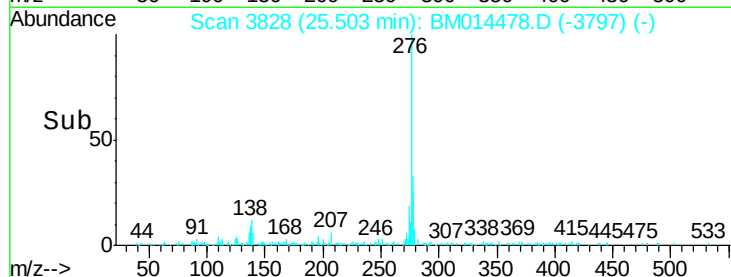
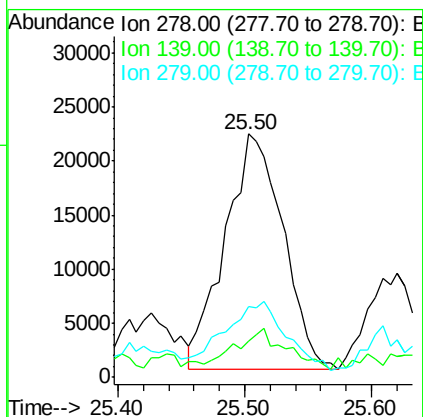
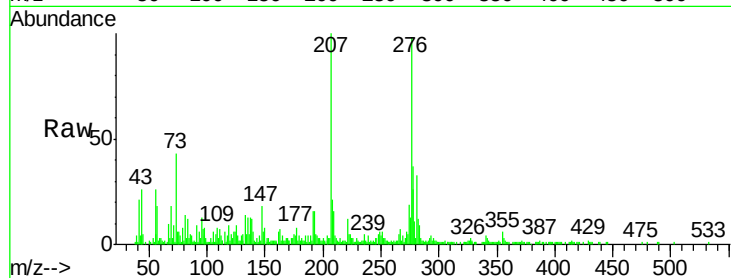
Tot Ion:278 Resp: 69037

Ion Ratio Lower Upper

278 100

139 14.9 5.8 8.8#

279 28.8 18.6 27.8#



#91

Benzo(g,h,i)perylene

Concen: 10.655 ng/ul

RT: 26.19 min Scan# 3944

Delta R.T. -0.01 min

Lab File: BM014478.D

Acq: 05 Mar 2018 18:23

Tgt Ion:276 Resp: 167493

Ion Ratio Lower Upper

276 100

138 14.4 8.5 12.7#

277 25.6 18.6 28.0

