

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022718\
 Data File : BM014388.D
 Acq On : 27 Feb 2018 18:26
 Operator : SJ/JU
 Sample : J1631-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 28 00:46:45 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 28 00:45:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	106534	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	453752	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.18	164	255362	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	519589	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	511403	20.00	ng/ul	0.01
83) Perylene-d12	23.34	264	488274	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	16025	6.44	ng/uL	0.00
5) Phenol-d5	6.73	99	282200	31.34	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.87	67	185228	33.98	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	243653	35.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	200233	25.42	ng/ul	0.01
19) Nitrobenzene-d5	8.68	128	125583	37.45	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	130159	37.50	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.94	165	241159	33.55	ng/ul	0.01
29) 4-Chloroaniline-d4	10.46	131	137866	19.47	ng/ul	0.00
43) Dimethylphthalate-d6	13.60	166	768643	36.45	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	975974	37.53	ng/ul	0.01
51) 4-Nitrophenol-d4	14.45	143	72758	24.99	ng/ul	0.02
57) Fluorene-d10	15.19	176	644823	34.13	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	16307	5.23	ng/ul	0.02
70) Anthracene-d10	17.04	188	955853	38.13	ng/ul	0.00
76) Pyrene-d10	19.36	212	1002734	38.02	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.21	264	907302	38.18	ng/ul	0.02

Target Compounds

					Ovalue	
4) Benzaldehyde	6.69	77	3883	1.058	ng/ul#	73
6) Phenol	6.76	94	39618	4.193	ng/ul	92
14) Acetophenone	8.35	105	24354	1.792	ng/ul#	95
28) Naphthalene	10.34	128	169237	7.262	ng/ul	99
34) 2-Methylnaphthalene	11.97	142	35207	1.985	ng/ul	98
44) Dimethylphthalate	13.65	163	448779	21.581	ng/ul	97
47) Acenaphthylene	13.90	152	135305	5.505	ng/ul	97
49) Acenaphthene	14.24	153	83515	4.826	ng/ul	96
53) Dibenzofuran	14.59	168	92064	3.548	ng/ul	90
56) Diethylphthalate	15.02	149	37898	1.635	ng/ul#	84
58) Fluorene	15.24	166	119775	5.346	ng/ul#	97
69) Phenanthrene	16.99	178	2531911	84.576	ng/ul	99
71) Anthracene	17.07	178	522847	17.366	ng/ul	98
72) Carbazole	17.36	167	224044	8.850	ng/ul	98
74) Fluoranthene	19.02	202	4144001	115.863	ng/ul#	93
77) Pyrene	19.39	202	3652275	107.463	ng/ul#	91
80) Benzo(a)anthracene	21.14	228	2036044	63.792	ng/ul	99
82) Chrysene	21.20	228	1838395	61.745	ng/ul	98
85) Benzo(b)fluoranthene	22.70	252	2458811	75.207	ng/ul#	97
86) Benzo(k)fluoranthene	22.70	252	2458811	79.102	ng/ul#	95
88) Benzo(a)pyrene	23.26	252	1756089	60.108	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.53	276	1146284	40.434	ng/ul#	98
90) Dibenz(a,h)anthracene	25.52	278	338905	14.387	ng/ul#	83

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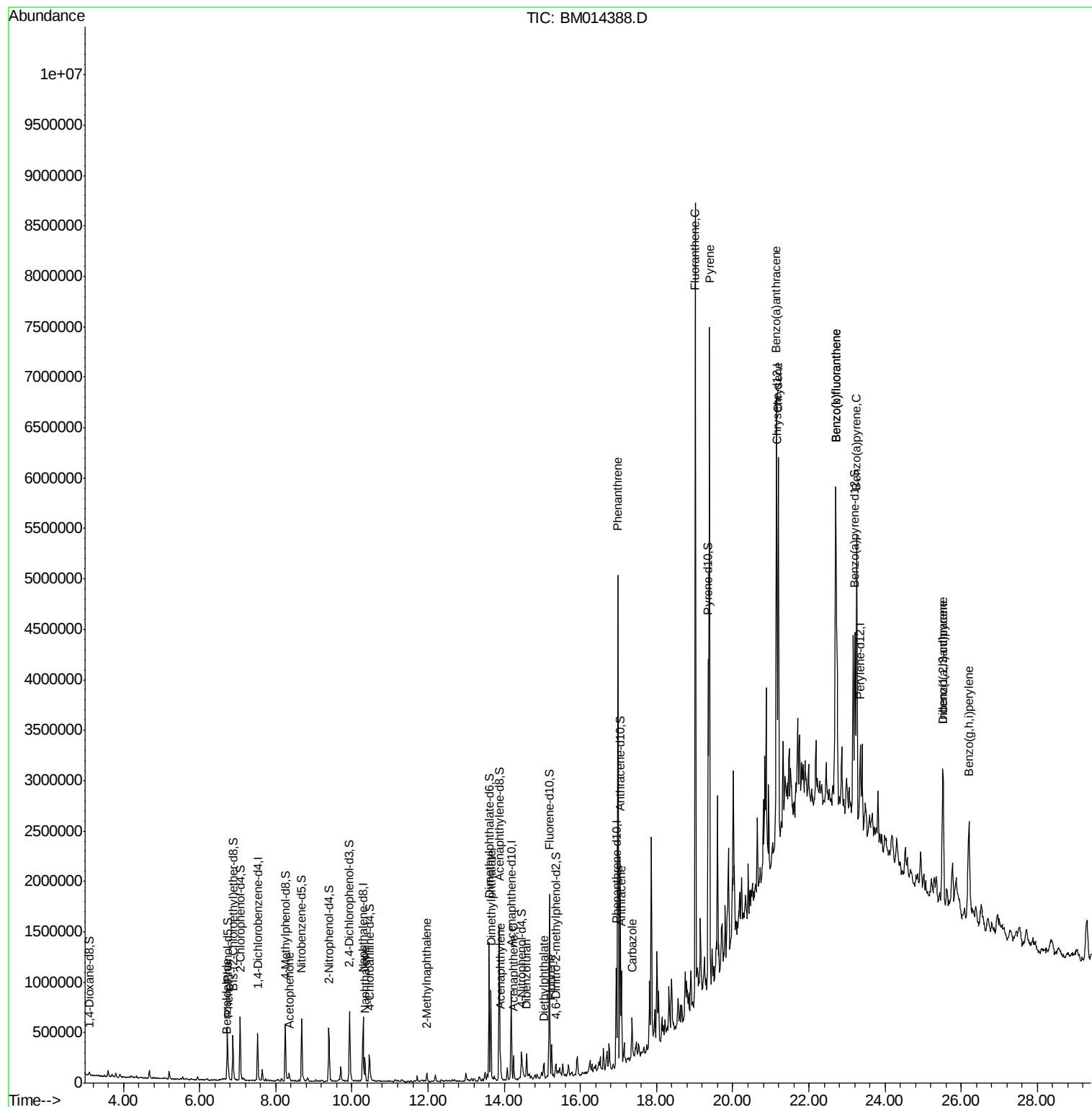
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(q,h,i)perylene	26.20	276	868685	37.825	ng/ul#	93

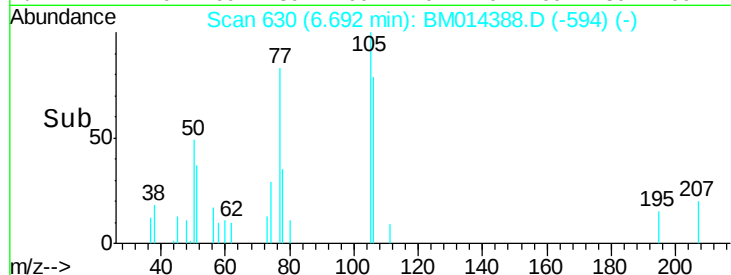
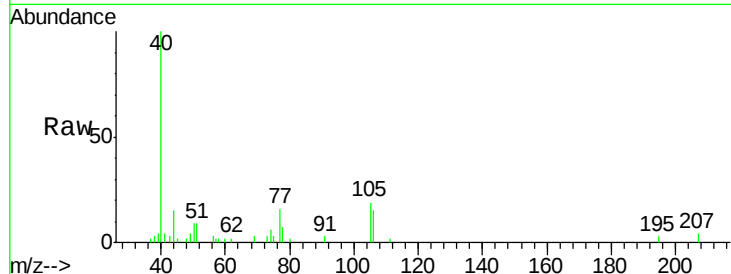
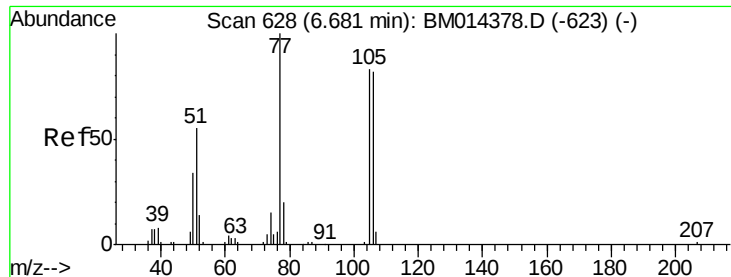
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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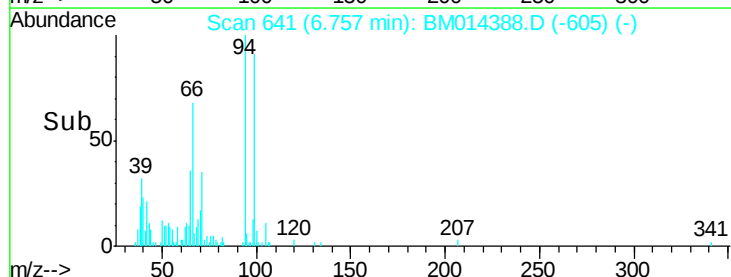
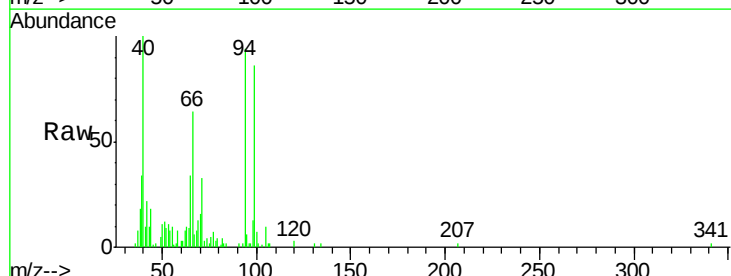
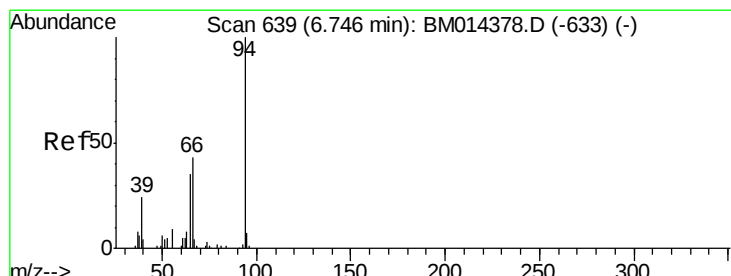
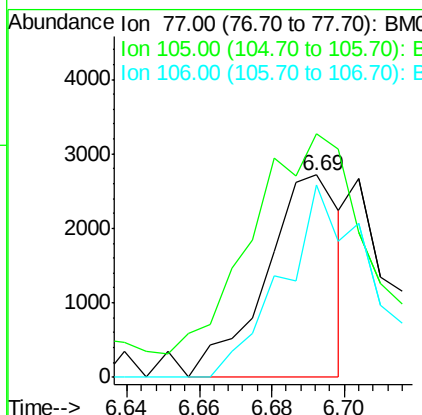




#4
Benzaldehydve
Concen: 1.058 ng/ul
RT: 6.69 min Scan# 630
Delta R.T. 0.01 min
Lab File: BM014388.D
Acq: 27 Feb 2018 18:26

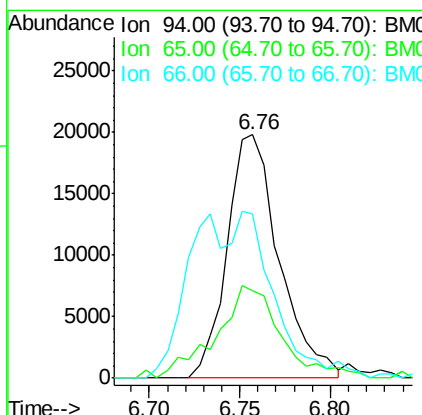
Tot Ion	Ratio	Lower	Upper
77	100		
105	120.5	66.1	99.1#
106	95.5	67.8	101.6

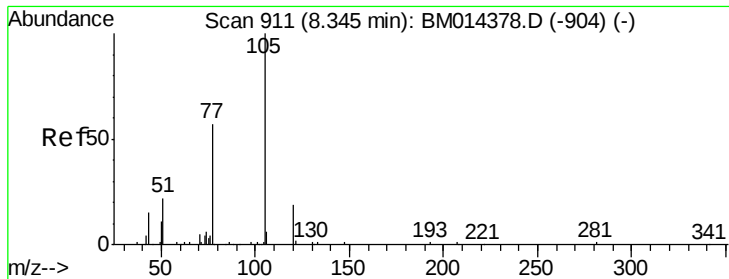
Instrument :
BNA_M
ClientSampleId :



#6
Phenol
Concen: 4.193 ng/ul
RT: 6.76 min Scan# 641
Delta R.T. 0.01 min
Lab File: BM014388.D
Acq: 27 Feb 2018 18:26

Tgt Ion	Ratio	Lower	Upper
94	100		
65	36.0	28.2	42.4
66	67.5	47.2	70.8





#14

Acetophenone

Concen: 1.792 ng/ul

RT: 8.35 min Scan# 912

Delta R.T. 0.01 min

Lab File: BM014388.D

Acq: 27 Feb 2018 18:26

Instrument :

BNA_M

ClientSampleId :

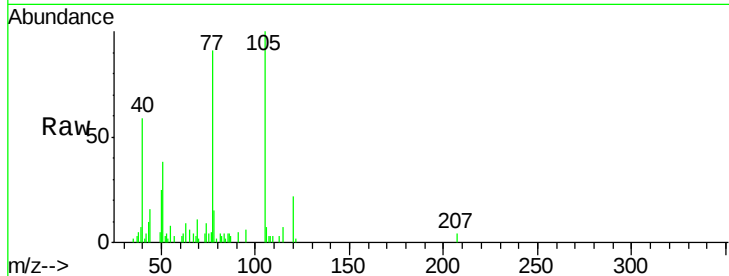
Tot Ion:105 Resp: 24354

Ion Ratio Lower Upper

105 100

77 91.4 74.2 111.4

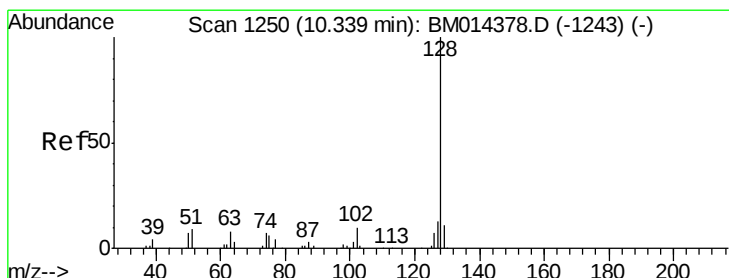
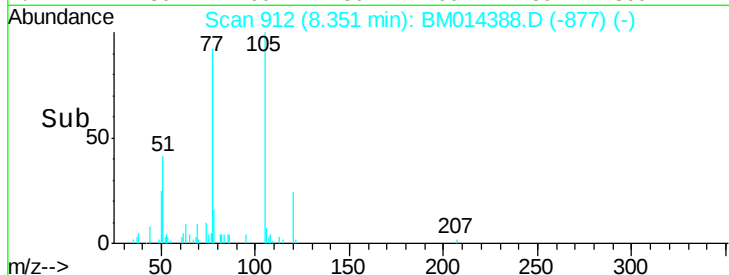
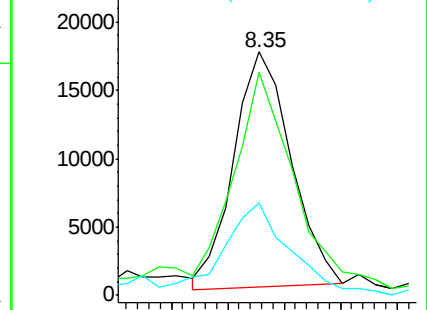
51 38.0 23.4 35.2#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0



#28

Naphthalene

Concen: 7.262 ng/ul

RT: 10.34 min Scan# 1250

Delta R.T. -0.00 min

Lab File: BM014388.D

Acq: 27 Feb 2018 18:26

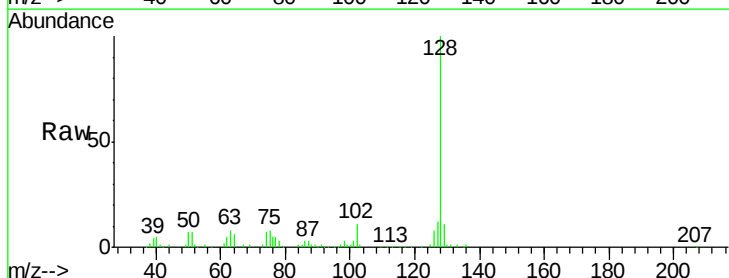
Tgt Ion:128 Resp: 169237

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

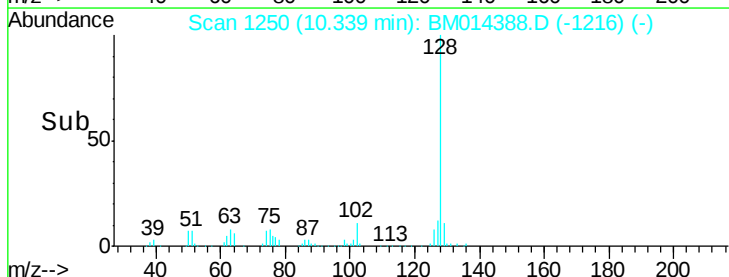
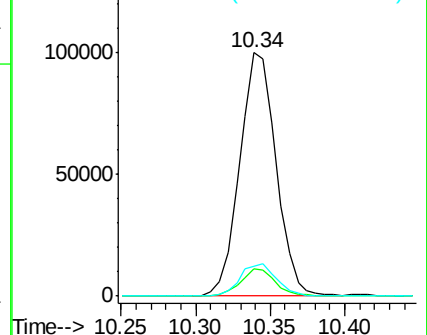
127 12.5 10.6 16.0

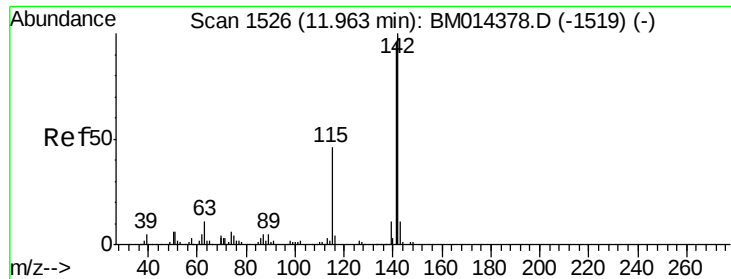


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

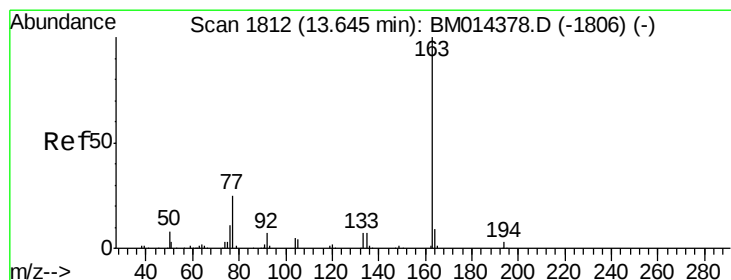
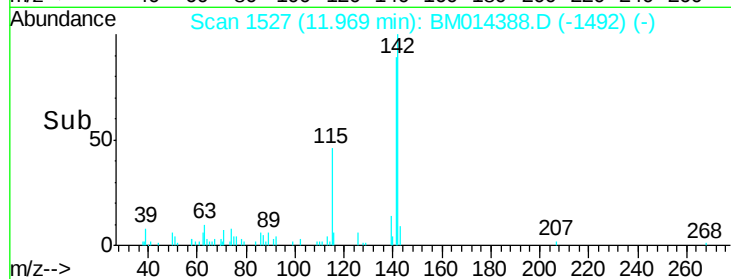
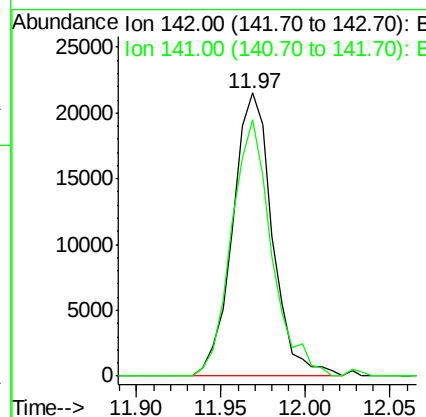
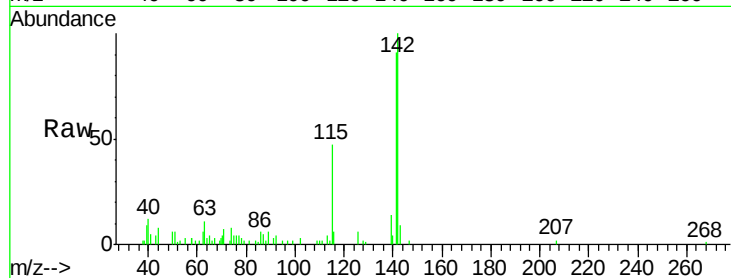




#34
2-Methylnaphthalene
Concen: 1.985 ng/ul
RT: 11.97 min Scan# 1527
Delta R.T. 0.01 min
Lab File: BM014388.D
Acq: 27 Feb 2018 18:26

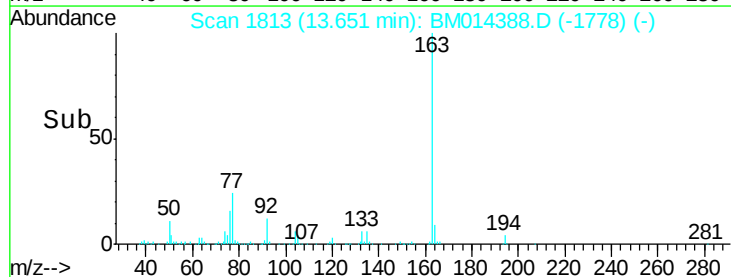
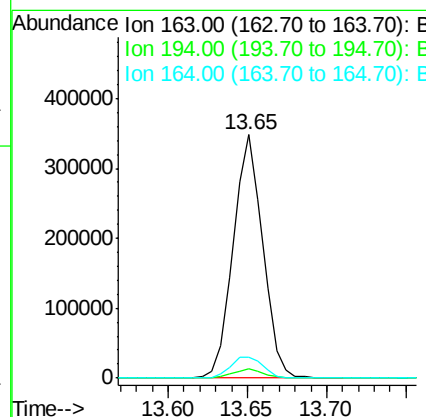
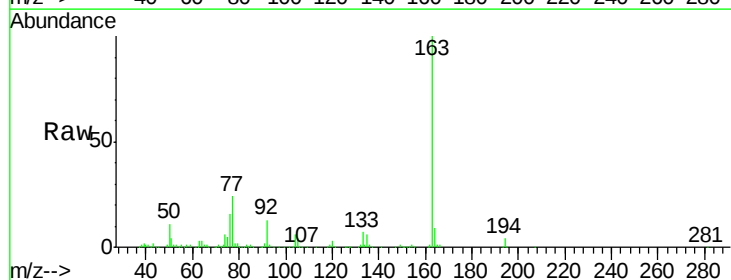
Instrument :
BNA_M
ClientSampled :

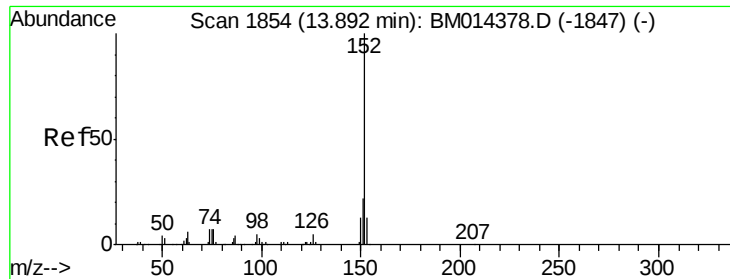
Tot Ion:142 Resp: 35207
Ion Ratio Lower Upper
142 100
141 90.5 74.1 111.1



#44
Dimethylphthalate
Concen: 21.581 ng/ul
RT: 13.65 min Scan# 1813
Delta R.T. 0.01 min
Lab File: BM014388.D
Acq: 27 Feb 2018 18:26

Tgt Ion:163 Resp: 448779
Ion Ratio Lower Upper
163 100
194 3.9 3.5 5.3
164 8.7 8.2 12.4





#47

Acenaphthylene

Concen: 5.505 ng/ul

RT: 13.90 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BM014388.D

Acq: 27 Feb 2018 18:26

Instrument :

BNA_M

ClientSampleId :

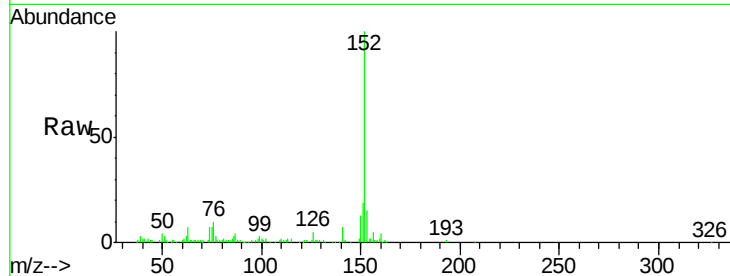
Tot Ion:152 Resp: 135305

Ion Ratio Lower Upper

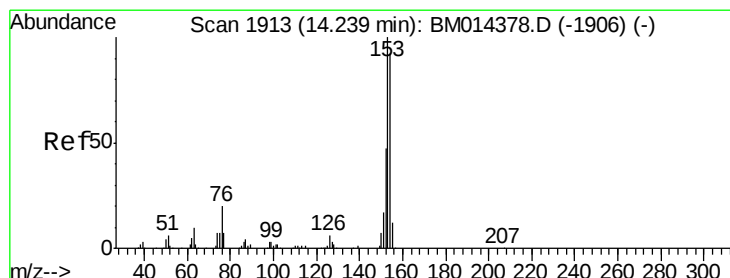
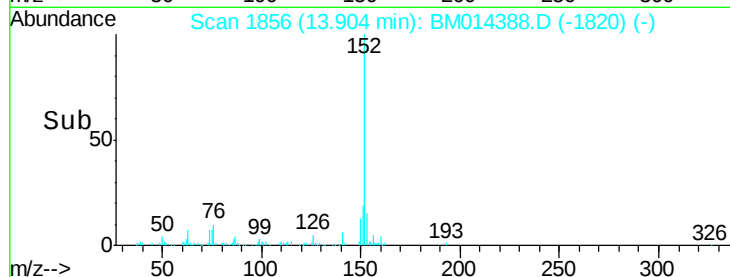
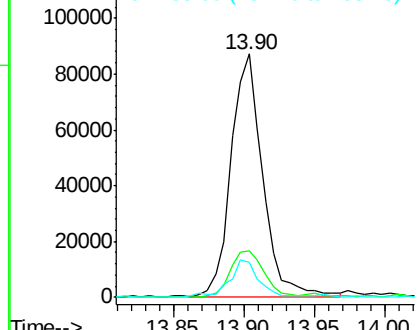
152 100

151 19.4 16.3 24.5

153 14.5 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: 4.826 ng/ul

RT: 14.24 min Scan# 1914

Delta R.T. 0.01 min

Lab File: BM014388.D

Acq: 27 Feb 2018 18:26

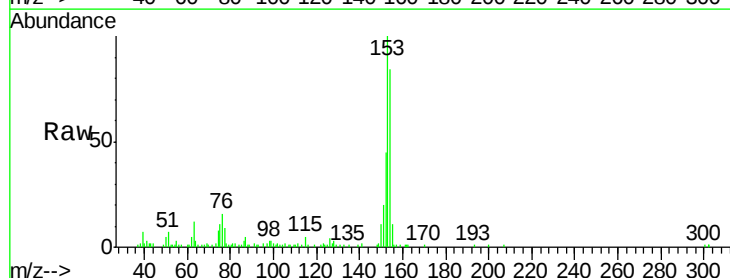
Tgt Ion:153 Resp: 83515

Ion Ratio Lower Upper

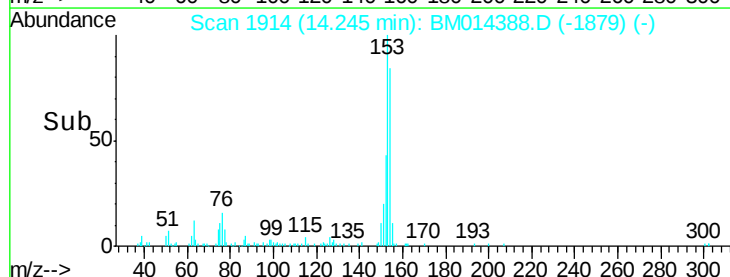
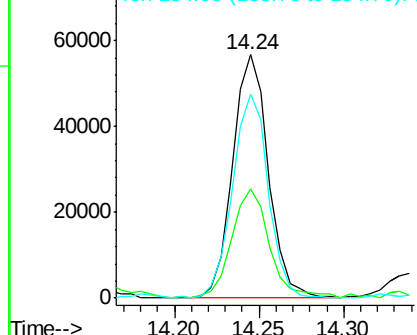
153 100

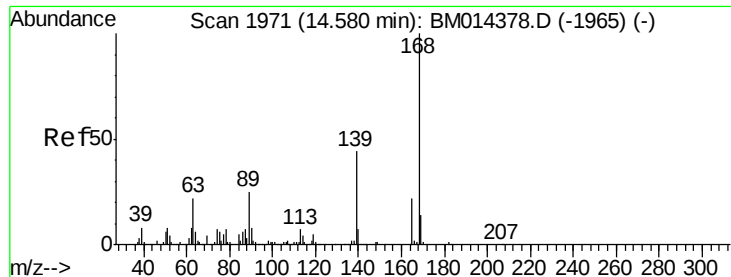
152 45.1 37.6 56.4

154 83.9 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: 3.548 ng/ul

RT: 14.59 min Scan# 1972

Delta R.T. 0.01 min

Lab File: BM014388.D

Acq: 27 Feb 2018 18:26

Instrument :

BNA_M

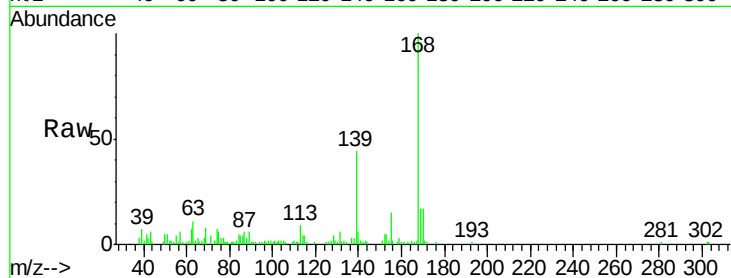
ClientSampleId :

Tot Ion:168 Resp: 92064

Ion Ratio Lower Upper

168 100

139 44.3 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

60000

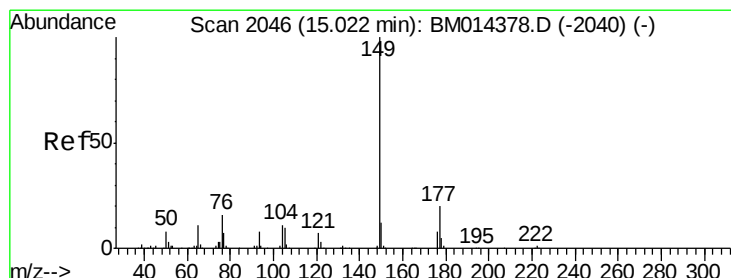
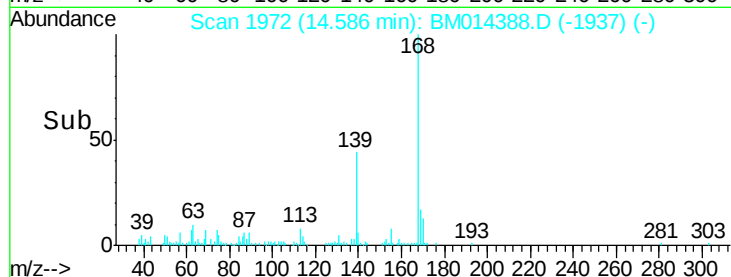
40000

20000

0

14.55 14.60 14.65

Time-->



#56

Diethylphthalate

Concen: 1.635 ng/ul

RT: 15.02 min Scan# 2046

Delta R.T. -0.00 min

Lab File: BM014388.D

Acq: 27 Feb 2018 18:26

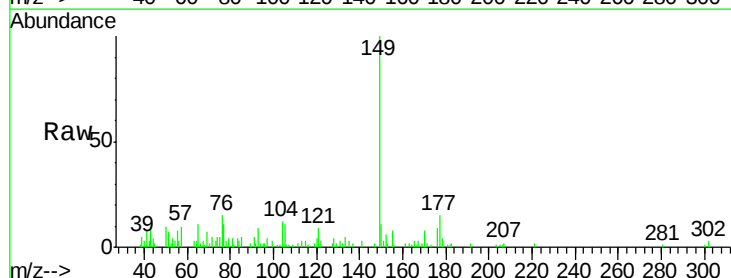
Tgt Ion:149 Resp: 37898

Ion Ratio Lower Upper

149 100

177 15.0 20.5 30.7#

150 11.1 10.6 15.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

30000

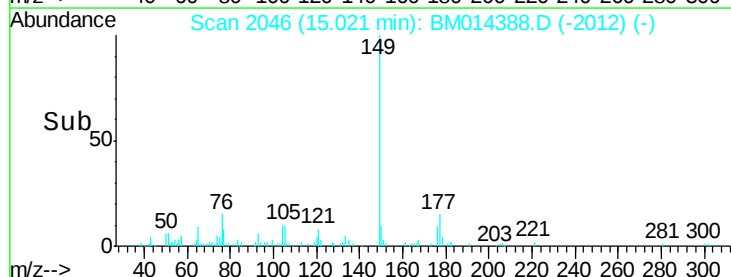
20000

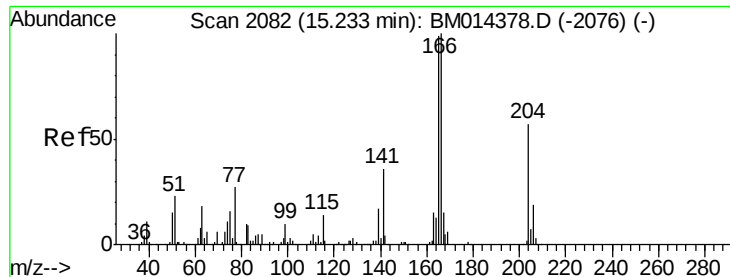
10000

0

15.00 15.05

Time-->





#58

Fluorene

Concen: 5.346 ng/ul

RT: 15.24 min Scan# 2083

Delta R.T. 0.01 min

Lab File: BM014388.D

Acq: 27 Feb 2018 18:26

Instrument :

BNA_M

ClientSampled :

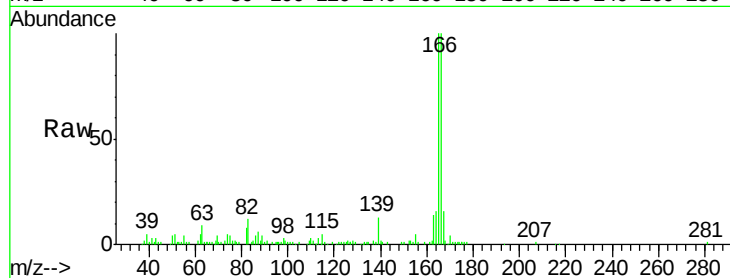
Tot Ion:166 Resp: 119775

Ion Ratio Lower Upper

166 100

165 100.2 77.9 116.9

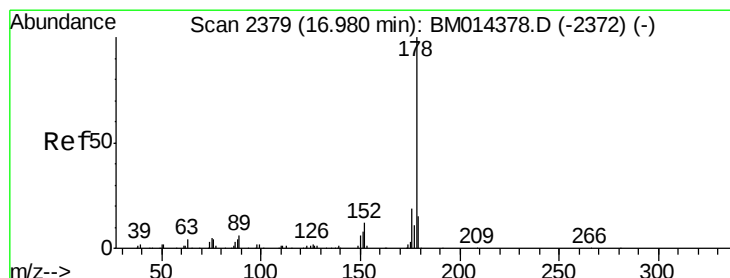
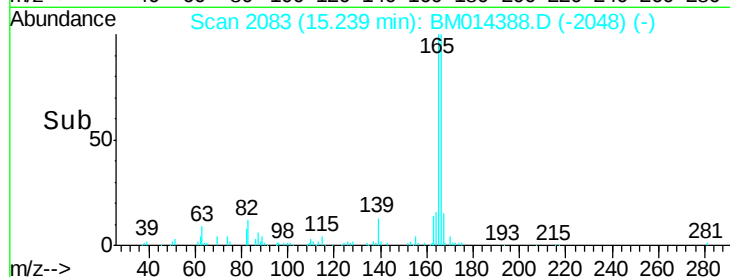
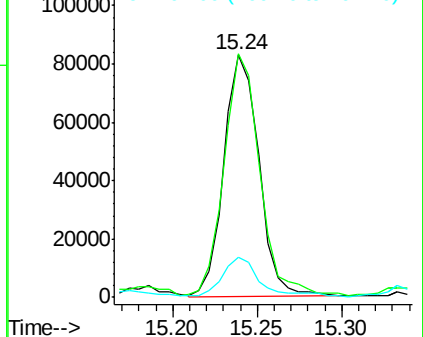
167 16.4 10.6 16.0#



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: 84.576 ng/ul

RT: 16.99 min Scan# 2380

Delta R.T. 0.01 min

Lab File: BM014388.D

Acq: 27 Feb 2018 18:26

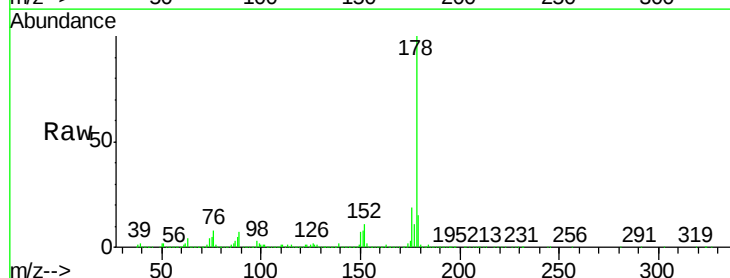
Tgt Ion:178 Resp: 2531911

Ion Ratio Lower Upper

178 100

179 15.4 12.6 19.0

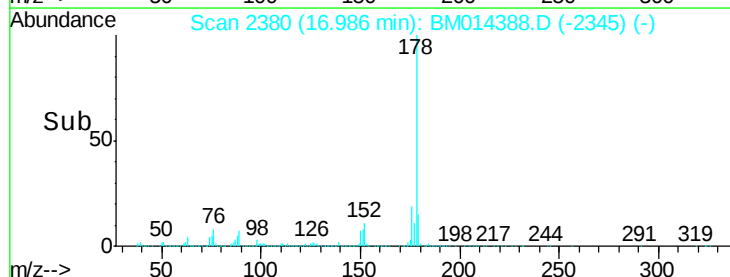
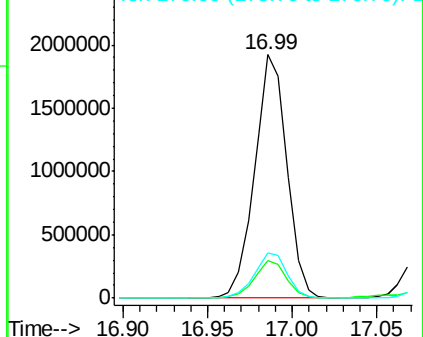
176 18.5 14.9 22.3

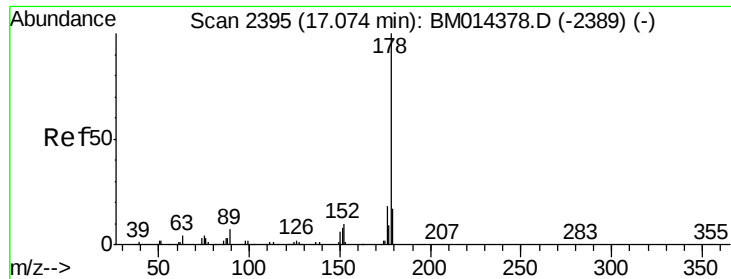


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

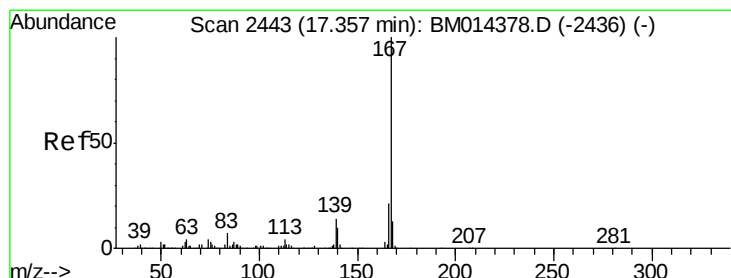
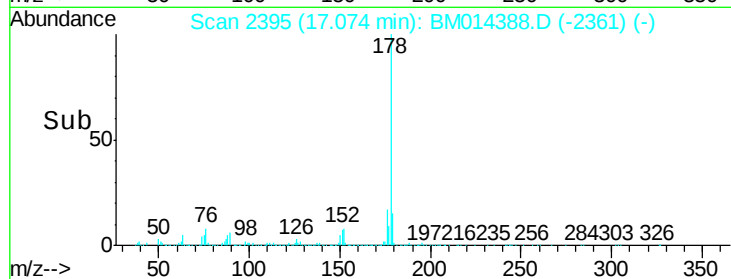
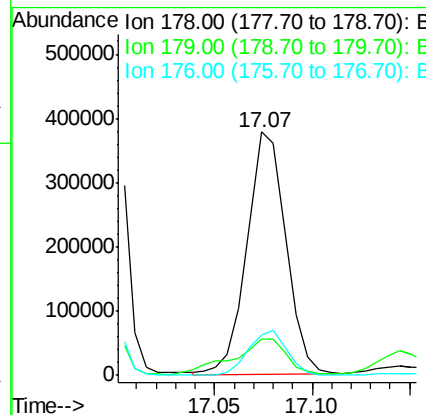
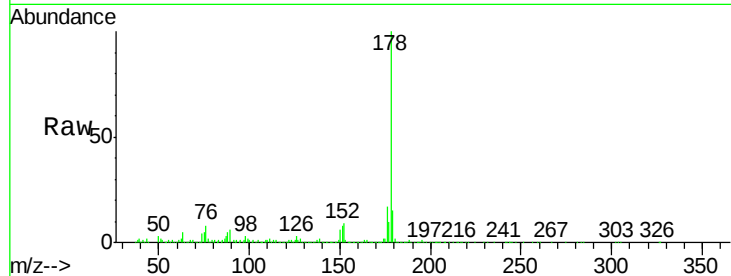




#71
 Anthracene
 Concen: 17.366 ng/ul
 RT: 17.07 min Scan# 2395
 Delta R.T. -0.00 min
 Lab File: BM014388.D
 Acq: 27 Feb 2018 18:26

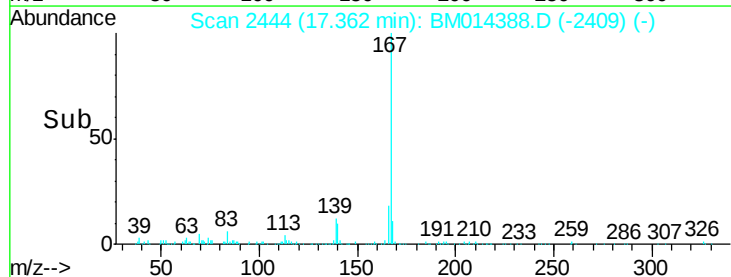
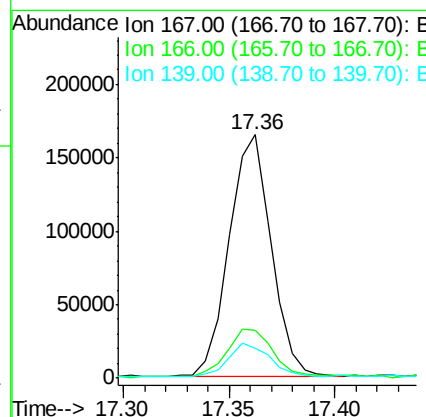
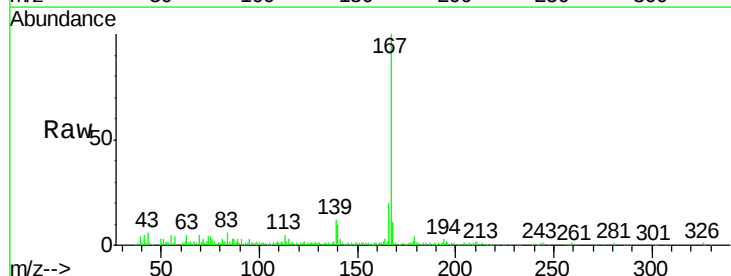
Instrument :
 BNA_M
 ClientSampleId :

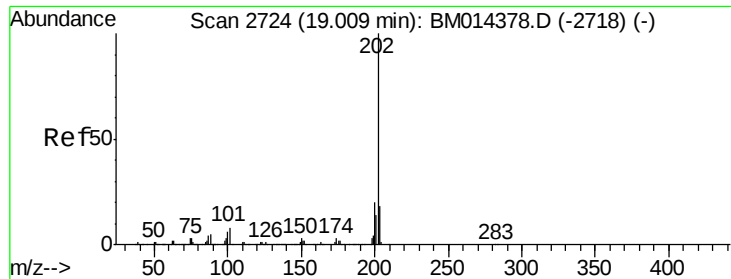
Tot Ion	Ratio	Lower	Upper
178	100		
179	14.9	11.7	17.5
176	16.6	14.6	21.8



#72
 Carbazole
 Concen: 8.850 ng/ul
 RT: 17.36 min Scan# 2444
 Delta R.T. 0.01 min
 Lab File: BM014388.D
 Acq: 27 Feb 2018 18:26

Tgt Ion	Ratio	Lower	Upper
167	100		
166	19.8	17.1	25.7
139	12.4	10.0	15.0





#74

Fluoranthene

Concen: 115.863 ng/ul

RT: 19.02 min Scan# 2726

Delta R.T. 0.01 min

Lab File: BM014388.D

Acq: 27 Feb 2018 18:26

Instrument :

BNA_M

ClientSampleId :

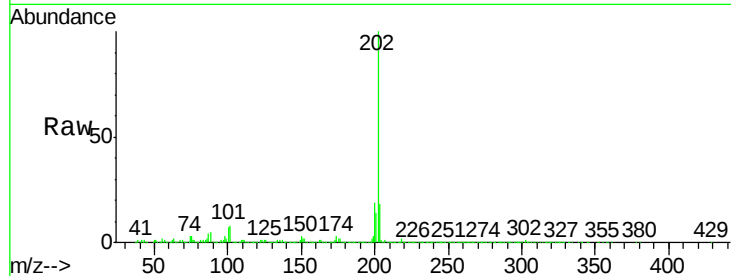
Tot Ion:202 Resp: 4144001

Ion Ratio Lower Upper

202 100

101 8.3 4.6 7.0#

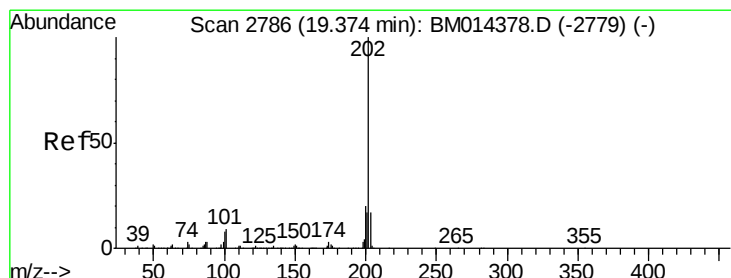
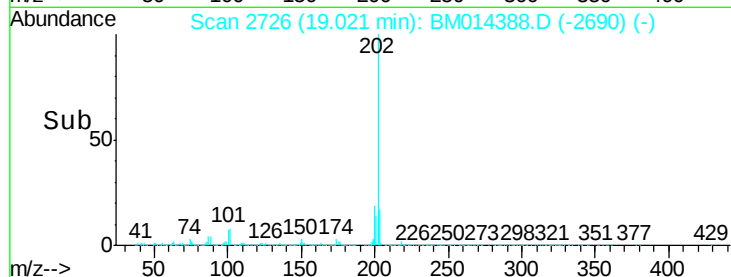
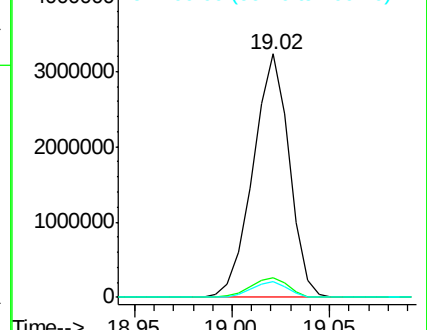
100 6.6 3.4 5.2#



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: 107.463 ng/ul

RT: 19.39 min Scan# 2788

Delta R.T. 0.01 min

Lab File: BM014388.D

Acq: 27 Feb 2018 18:26

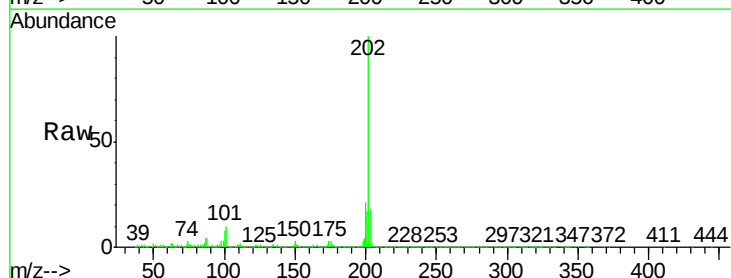
Tgt Ion:202 Resp: 3652275

Ion Ratio Lower Upper

202 100

101 10.3 5.1 7.7#

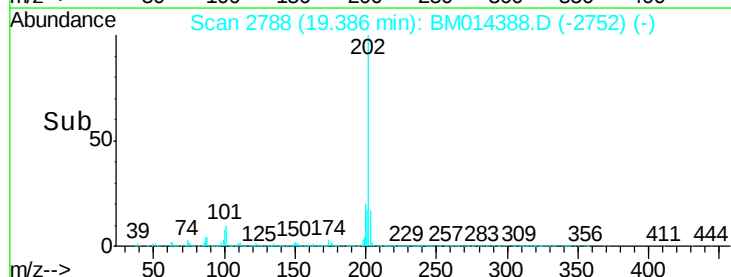
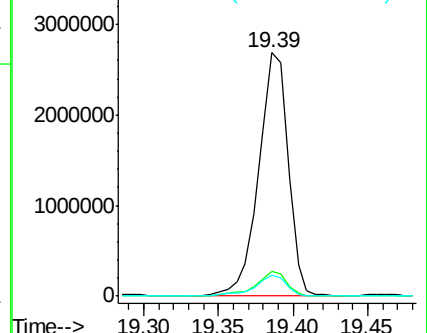
100 8.4 4.9 7.3#

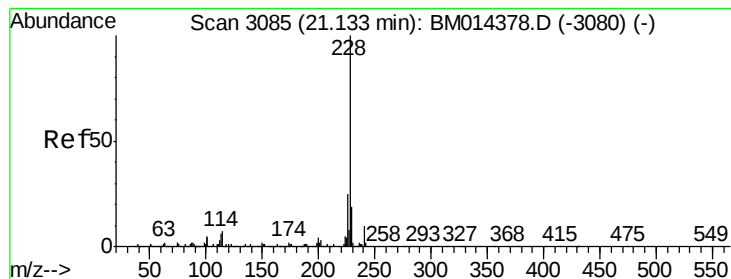


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 63.792 ng/ul

RT: 21.14 min Scan# 3087

Delta R.T. 0.01 min

Lab File: BM014388.D

Acq: 27 Feb 2018 18:26

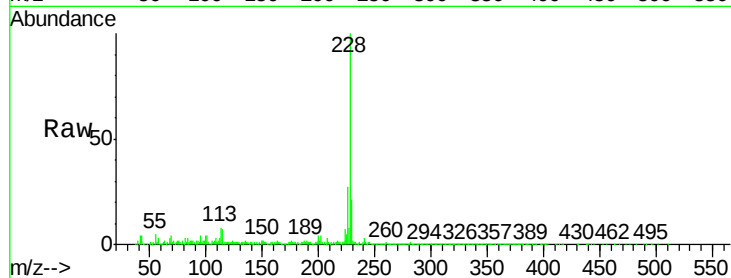
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 2036044

Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.4	23.0
226	26.7	21.4	32.0

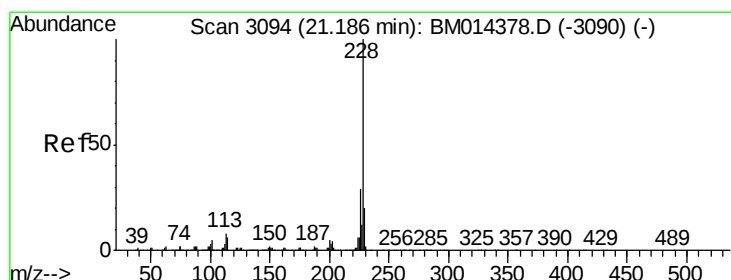
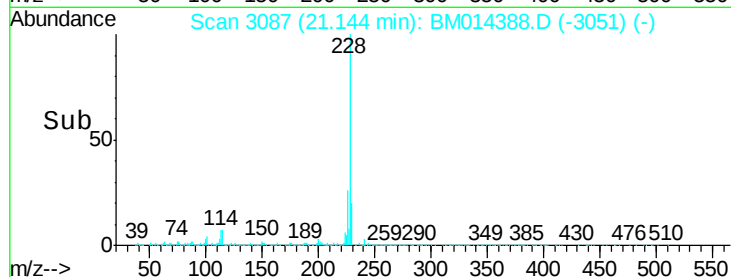
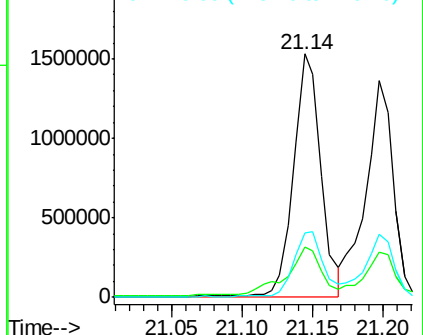


Abundance

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: 61.745 ng/ul

RT: 21.20 min Scan# 3096

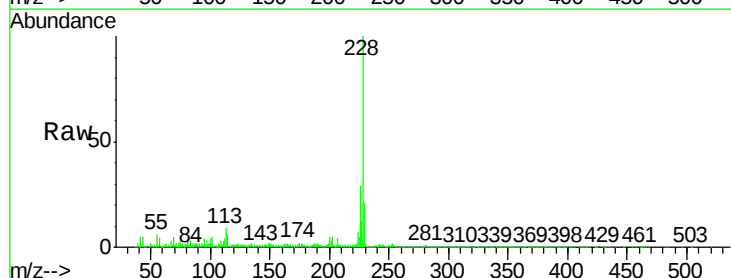
Delta R.T. 0.01 min

Lab File: BM014388.D

Acq: 27 Feb 2018 18:26

Tgt Ion:228 Resp: 1838395

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.4	35.2
229	21.2	15.5	23.3

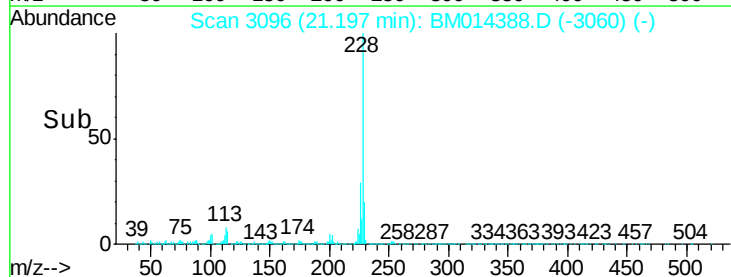
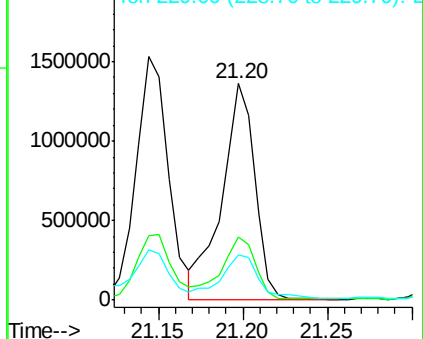


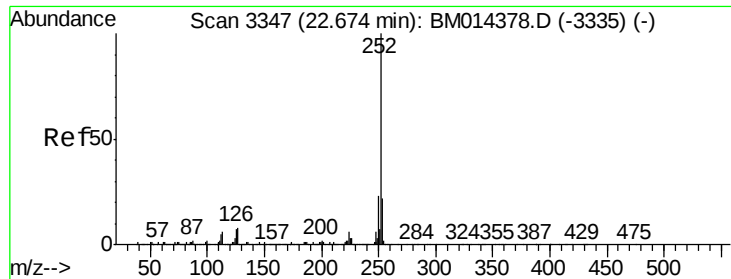
Abundance

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: 75.207 ng/ul

RT: 22.70 min Scan# 3352

Delta R.T. 0.03 min

Lab File: BM014388.D

Acq: 27 Feb 2018 18:26

Instrument :

BNA_M

ClientSampleId :

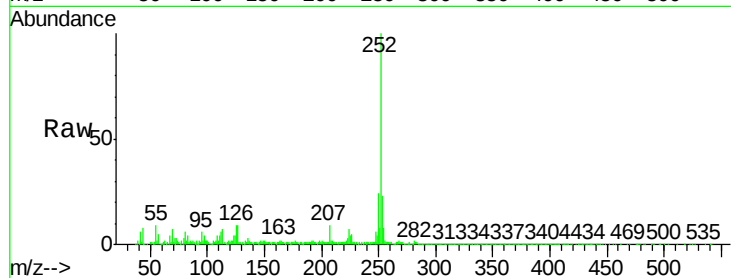
Tot Ion:252 Resp: 2458811

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

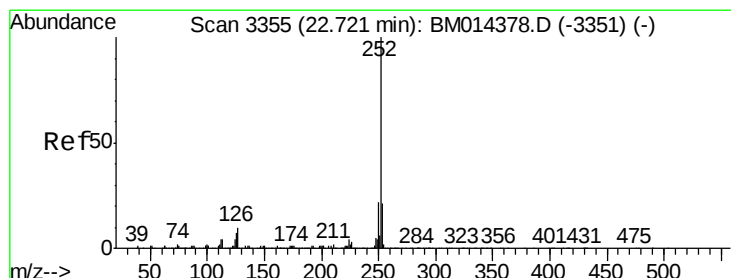
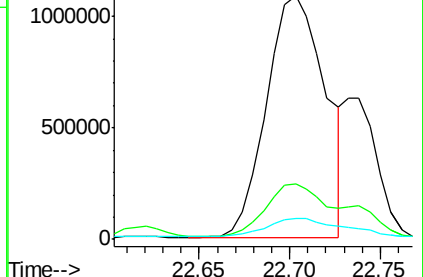
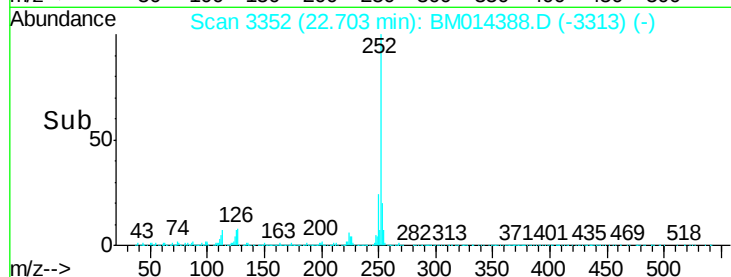
125 8.5 3.6 5.4#



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: 79.102 ng/ul

RT: 22.70 min Scan# 3352

Delta R.T. -0.02 min

Lab File: BM014388.D

Acq: 27 Feb 2018 18:26

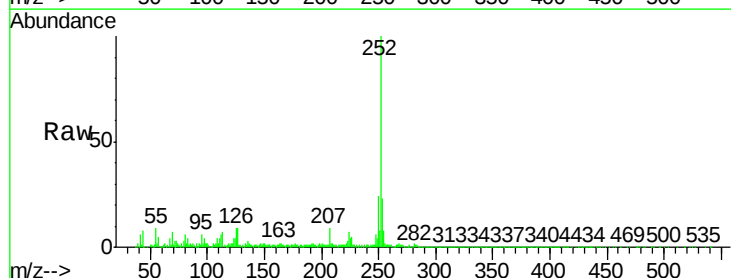
Tgt Ion:252 Resp: 2458811

Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

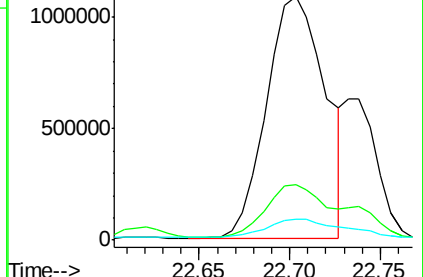
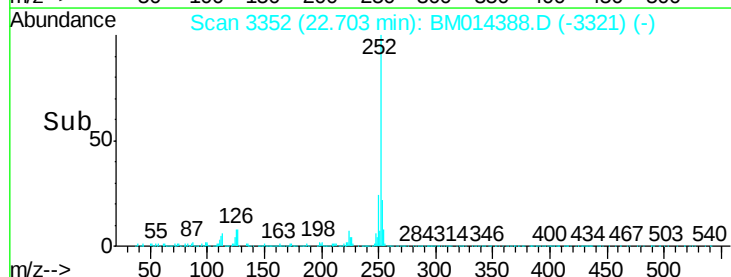
125 8.5 3.4 5.2#

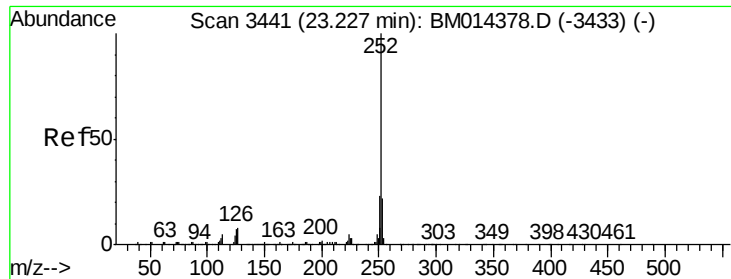


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 60.108 ng/ul

RT: 23.26 min Scan# 3446

Delta R.T. 0.03 min

Lab File: BM014388.D

Acq: 27 Feb 2018 18:26

Instrument :

BNA_M

ClientSampleId :

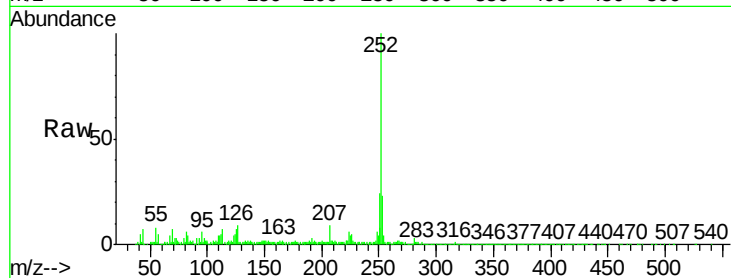
Tot Ion:252 Resp: 1756089

Ion Ratio Lower Upper

252 100

253 23.3 18.2 27.2

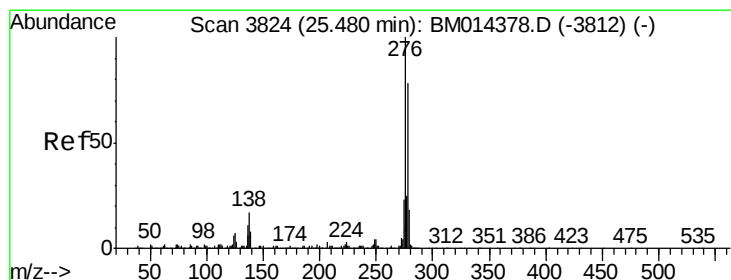
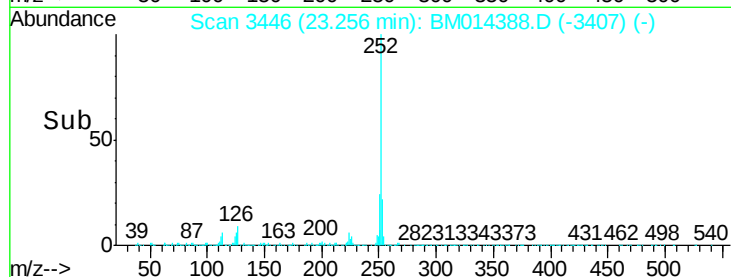
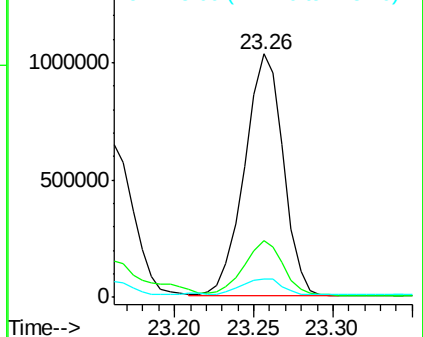
125 7.5 4.0 6.0#



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 40.434 ng/ul

RT: 25.53 min Scan# 3832

Delta R.T. 0.05 min

Lab File: BM014388.D

Acq: 27 Feb 2018 18:26

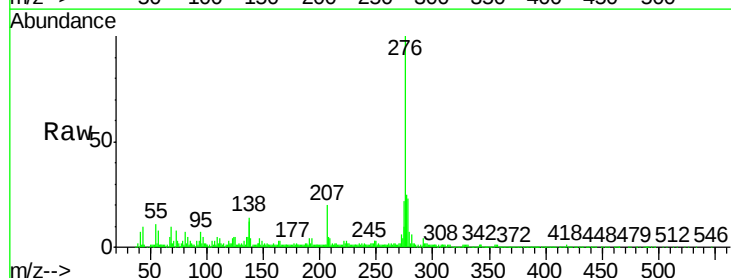
Tgt Ion:276 Resp: 1146284

Ion Ratio Lower Upper

276 100

138 14.2 9.3 13.9#

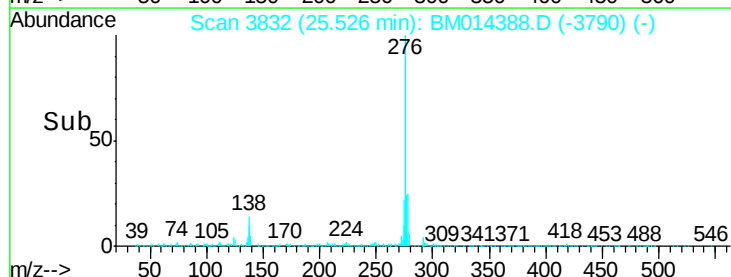
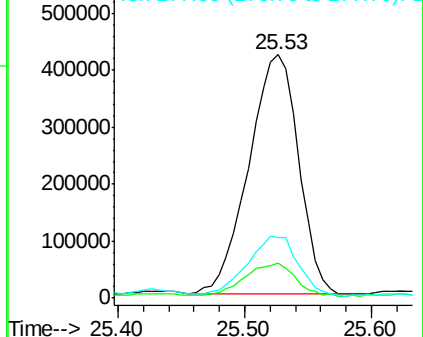
277 24.8 19.9 29.9

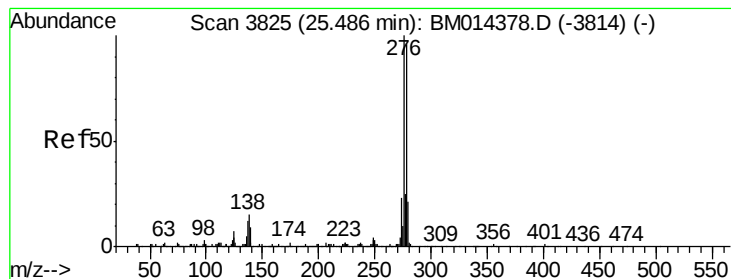


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 14.387 ng/ul

RT: 25.52 min Scan# 3831

Delta R.T. 0.04 min

Lab File: BM014388.D

Acq: 27 Feb 2018 18:26

Instrument :

BNA_M

ClientSampled :

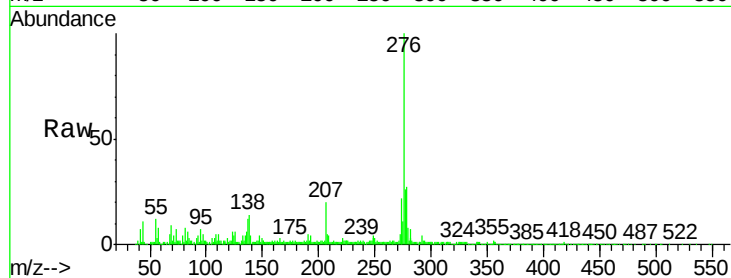
Tot Ion:278 Resp: 338905

Ion Ratio Lower Upper

278 100

139 15.2 5.8 8.8#

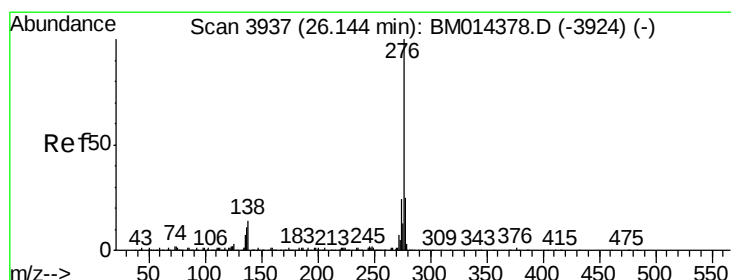
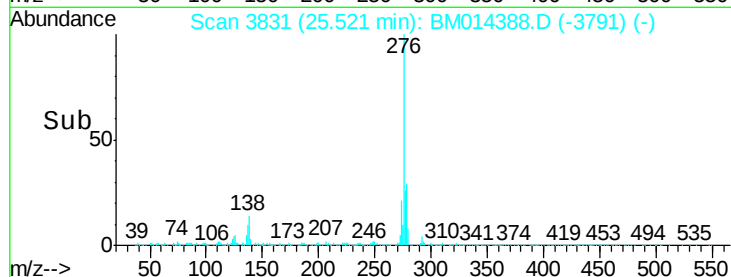
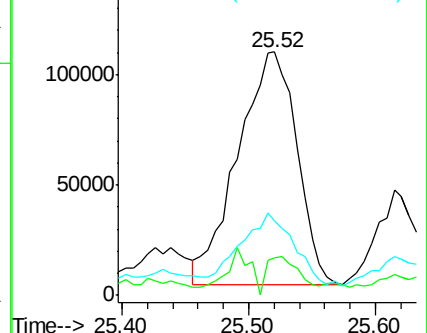
279 30.4 18.6 27.8#



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(g,h,i)perylene

Concen: 37.825 ng/ul

RT: 26.20 min Scan# 3946

Delta R.T. 0.05 min

Lab File: BM014388.D

Acq: 27 Feb 2018 18:26

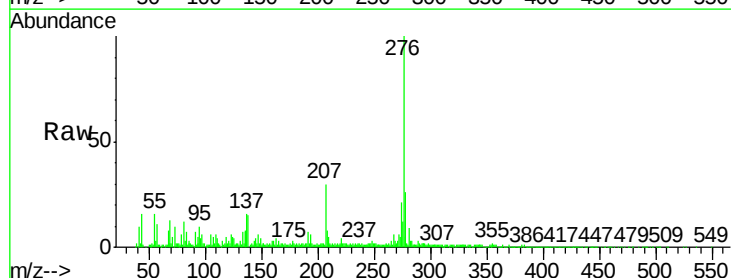
Tgt Ion:276 Resp: 868685

Ion Ratio Lower Upper

276 100

138 15.2 8.5 12.7#

277 25.7 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

