

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022618\
 Data File : BM014372.D
 Acq On : 27 Feb 2018 00:35
 Operator : SJ/JU
 Sample : J1646-20
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 27 03:26:53 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	7.53	152	176156	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	762557	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.19	164	405638	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	737832	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	496096	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	473332	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	27761	6.75	ng/uL	0.00
5) Phenol-d5	6.73	99	586175	39.37	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.88	67	378125	41.96	ng/ul	0.00
9) 2-Chlorophenol-d4	7.07	132	499866	43.79	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	464135	35.63	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	260660	46.26	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	288118	49.40	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.94	165	521123	43.14	ng/ul	0.01
29) 4-Chloroaniline-d4	10.46	131	365438	30.70	ng/ul	0.00
43) Dimethylphthalate-d6	13.61	166	1685300	50.31	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	2059617	49.86	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	156643	33.87	ng/ul	0.02
57) Fluorene-d10	15.19	176	1314869	43.81	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.35	200	57017	12.88	ng/ul	0.02
70) Anthracene-d10	17.04	188	1727921	48.54	ng/ul	0.00
76) Pyrene-d10	19.36	212	1471048	57.49	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.20	264	1123036	48.75	ng/ul	0.02

Target Compounds

					Ovalue	
6) Phenol	6.76	94	68491	4.384	ng/ul	93
28) Naphthalene	10.35	128	53147	1.357	ng/ul	97
44) Dimethylphthalate	13.66	163	454481	13.759	ng/ul	98
47) Acenaphthylene	13.90	152	71892	1.841	ng/ul	95
49) Acenaphthene	14.25	153	95034	3.457	ng/ul	95
53) Dibenzofuran	14.59	168	75870	1.841	ng/ul	89
58) Fluorene	15.25	166	87806	2.467	ng/ul#	93
63) 4,6-Dinitro-2-methylphenol	15.26	198	4800	1.066	ng/ul#	94
69) Phenanthrene	16.99	178	1979860	46.573	ng/ul	99
71) Anthracene	17.08	178	348318	8.147	ng/ul	95
72) Carbazole	17.36	167	166328	4.627	ng/ul	99
74) Fluoranthene	19.02	202	2486583	48.959	ng/ul#	92
77) Pyrene	19.39	202	2112528	64.076	ng/ul#	92
80) Benzo(a)anthracene	21.14	228	806024	26.033	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.07	149	57650	2.953	ng/ul	94
82) Chrysene	21.19	228	749557	25.952	ng/ul	96
85) Benzo(b)fluoranthene	22.69	252	902986	28.491	ng/ul#	97
86) Benzo(k)fluoranthene	22.73	252	285304	9.468	ng/ul#	93
88) Benzo(a)pyrene	23.24	252	646114	22.814	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	25.50	276	414969	15.100	ng/ul#	96
90) Dibenzo(a,h)anthracene	25.50	278	114957	5.034	ng/ul#	84
91) Benzo(a,h,i)perylene	26.16	276	321257	14.430	ng/ul	98

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 27 03:22:24 2018
Response via : Initial Calibration

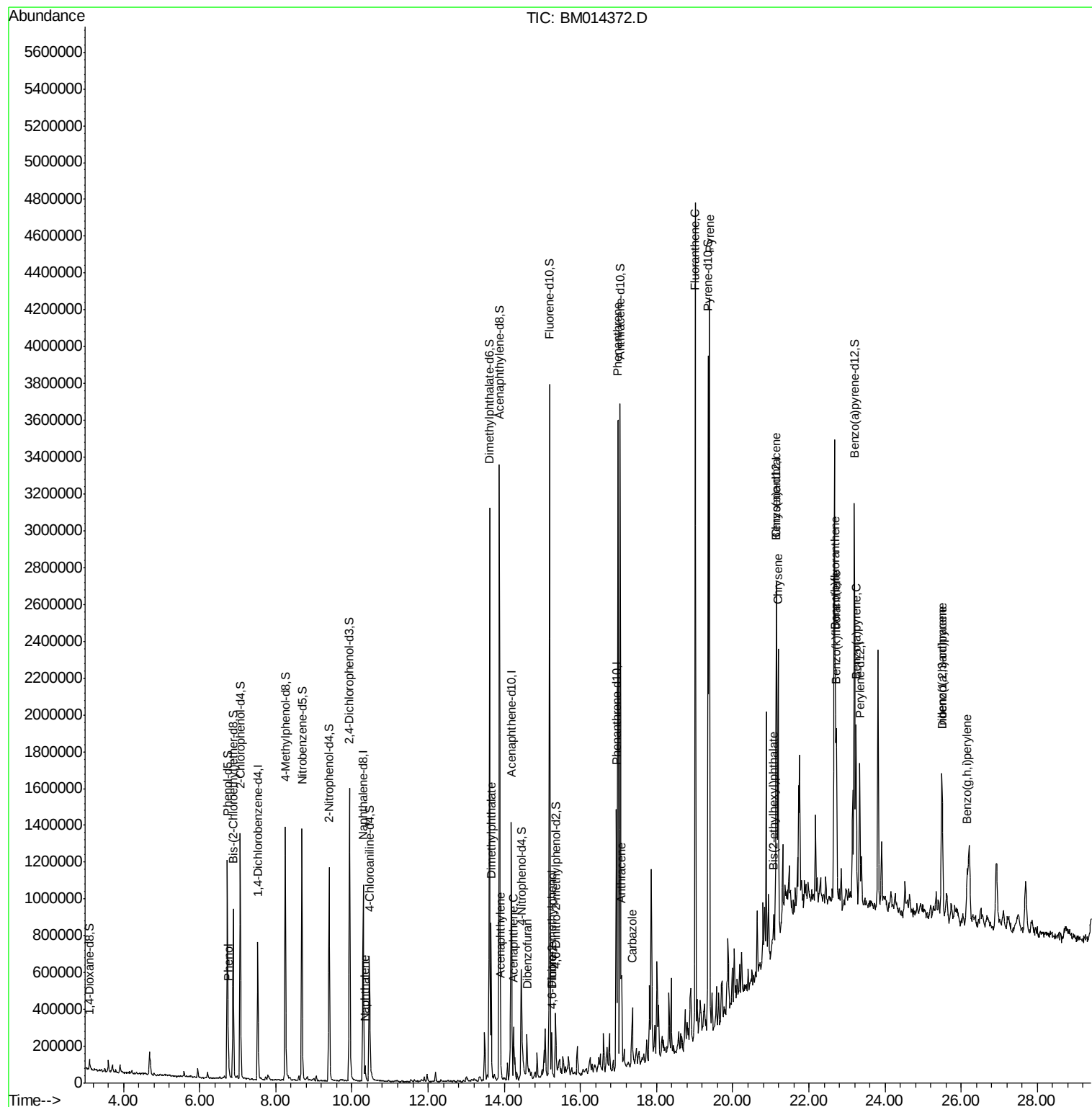
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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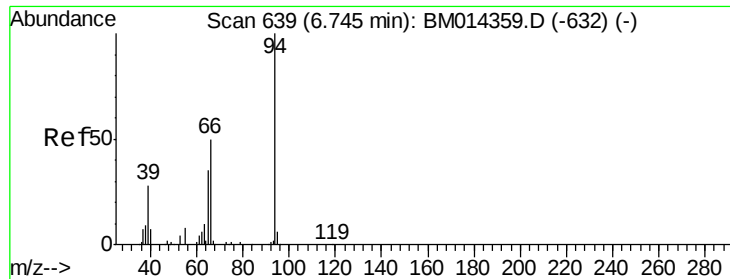
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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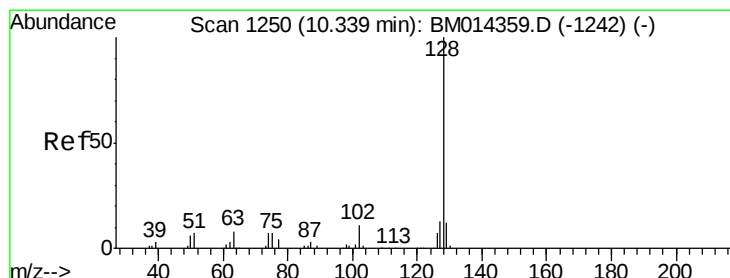
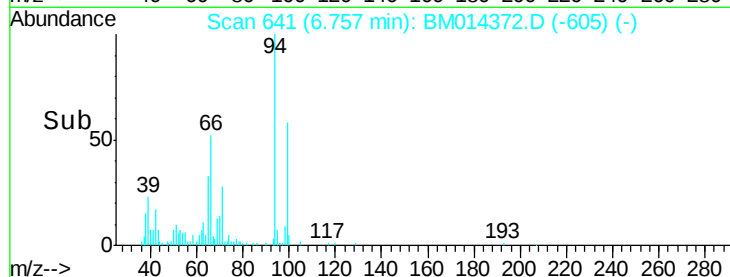
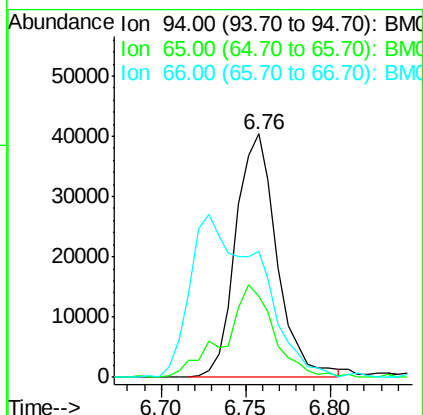
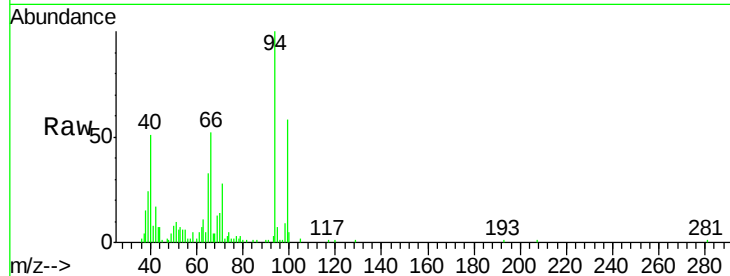
#6

Phenol

Concen: 4.384 ng/ul
 RT: 6.76 min Scan# 641
 Delta R.T. 0.01 min
 Lab File: BM014372.D
 Acq: 27 Feb 2018 00:35

Instrument :
 BNA_M
 ClientSampled :

Tot Ion: 94 Resp: 68491
 Ion Ratio Lower Upper
 94 100
 65 33.4 28.2 42.4
 66 51.8 47.2 70.8

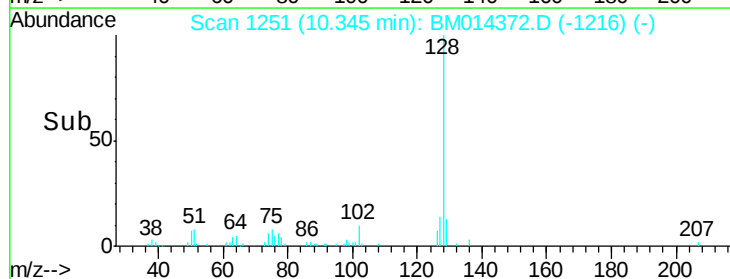
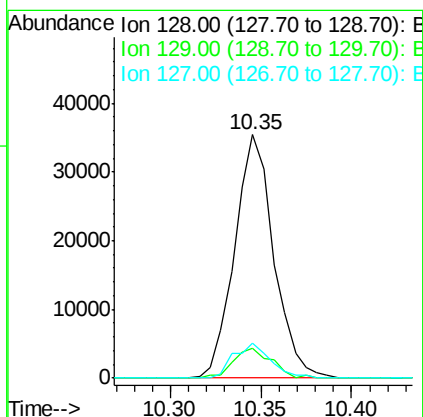
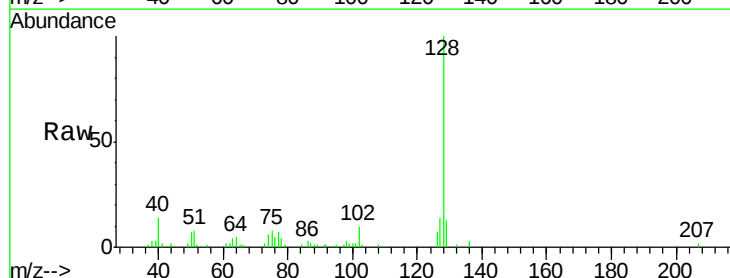


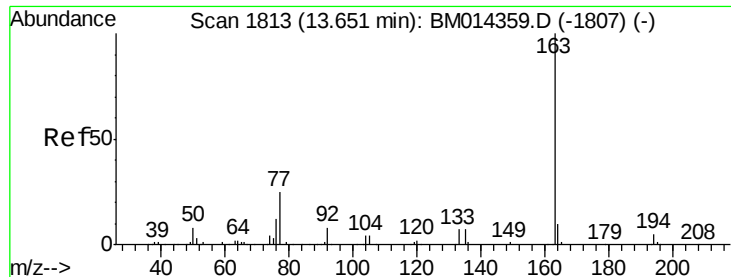
#28

Naphthalene

Concen: 1.357 ng/ul
 RT: 10.35 min Scan# 1251
 Delta R.T. 0.01 min
 Lab File: BM014372.D
 Acq: 27 Feb 2018 00:35

Tgt Ion: 128 Resp: 53147
 Ion Ratio Lower Upper
 128 100
 129 12.5 8.8 13.2
 127 14.2 10.6 16.0

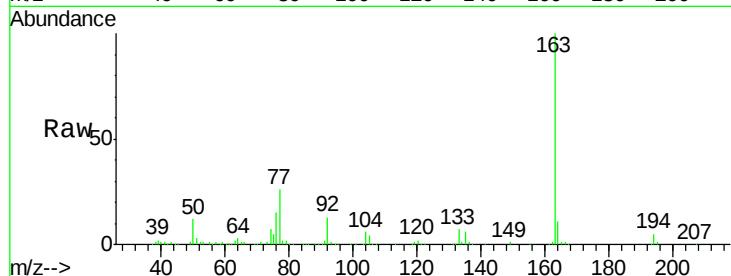




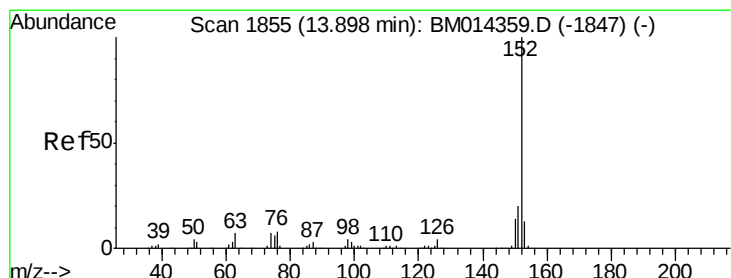
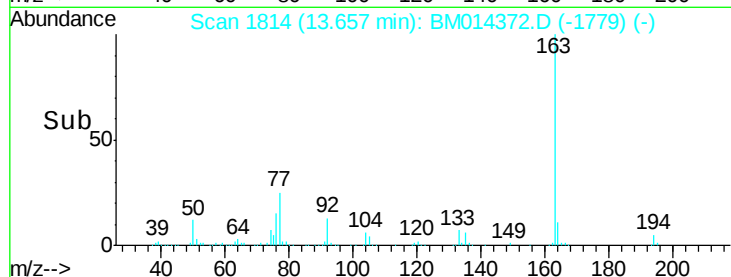
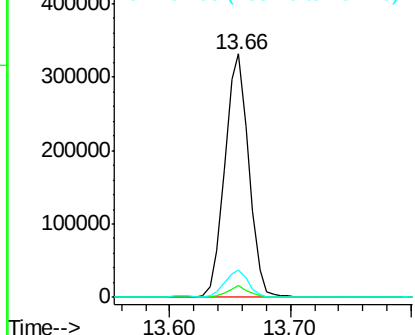
#44
Dimethylphthalate
Concen: 13.759 ng/ul
RT: 13.66 min Scan# 1814
Delta R.T. 0.01 min
Lab File: BM014372.D
Acq: 27 Feb 2018 00:35

Instrument :
BNA_M
ClientSampleId :

Tot Ion:163 Resp: 454481
Ion Ratio Lower Upper
163 100
194 4.7 3.5 5.3
164 11.1 8.2 12.4

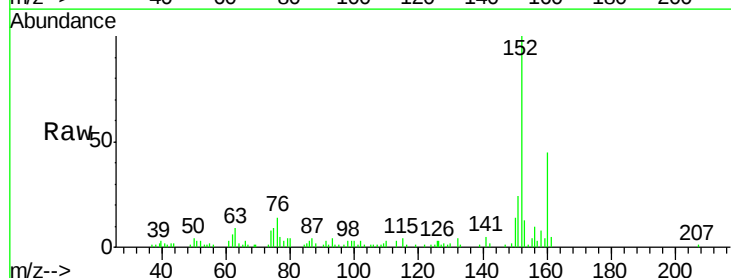


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

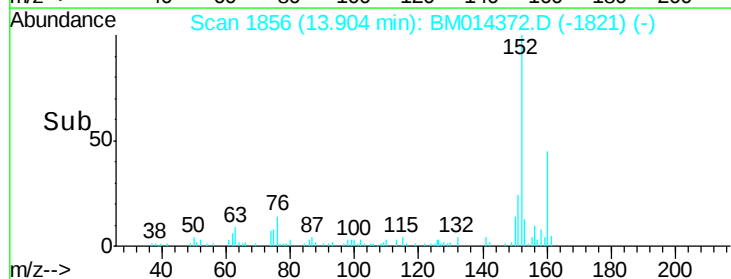
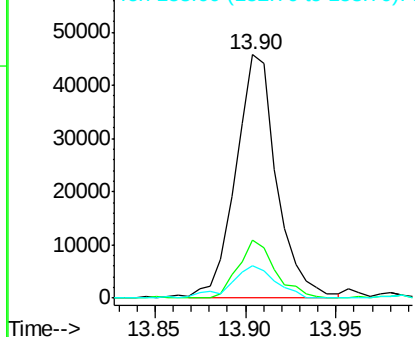


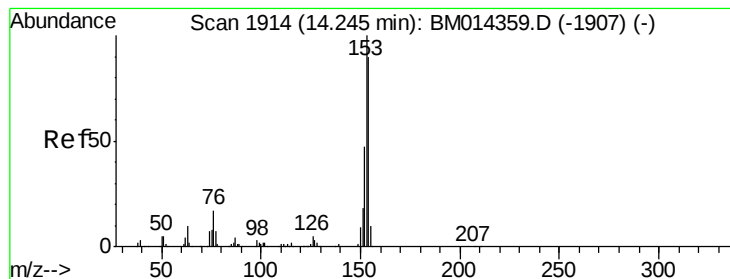
#47
Acenaphthylene
Concen: 1.841 ng/ul
RT: 13.90 min Scan# 1856
Delta R.T. 0.01 min
Lab File: BM014372.D
Acq: 27 Feb 2018 00:35

Tgt Ion:152 Resp: 71892
Ion Ratio Lower Upper
152 100
151 23.7 16.3 24.5
153 13.3 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: 3.457 ng/ul

RT: 14.25 min Scan# 1915

Delta R.T. 0.01 min

Lab File: BM014372.D

Acq: 27 Feb 2018 00:35

Instrument :

BNA_M

ClientSampleId :

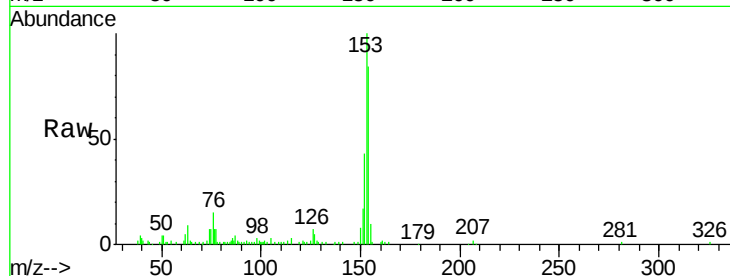
Tot Ion:153 Resp: 95034

Ion Ratio Lower Upper

153 100

152 42.8 37.6 56.4

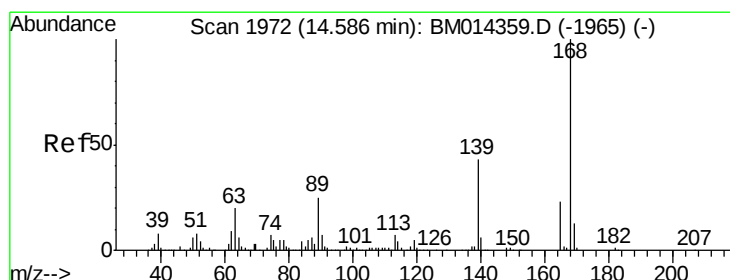
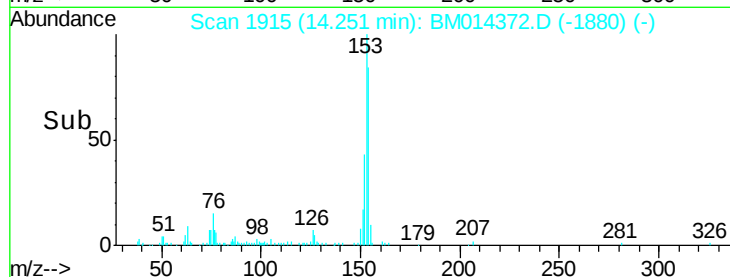
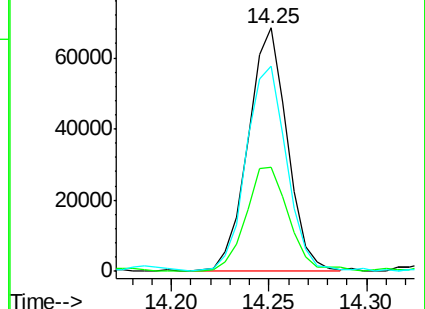
154 84.1 70.4 105.6



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: 1.841 ng/ul

RT: 14.59 min Scan# 1973

Delta R.T. 0.01 min

Lab File: BM014372.D

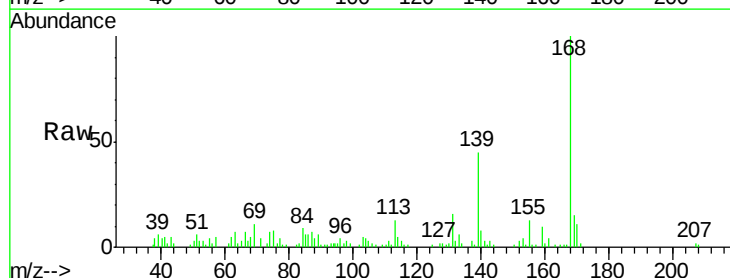
Acq: 27 Feb 2018 00:35

Tgt Ion:168 Resp: 75870

Ion Ratio Lower Upper

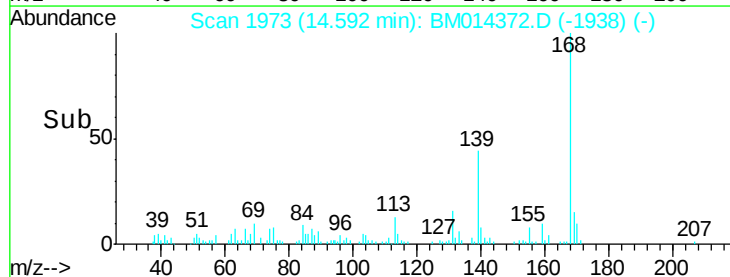
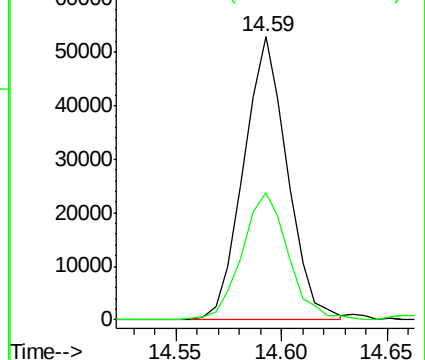
168 100

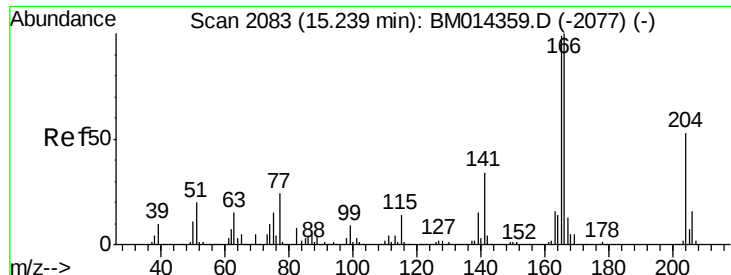
139 45.1 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 2.467 ng/ul

RT: 15.25 min Scan# 2084

Delta R.T. 0.01 min

Lab File: BM014372.D

Acq: 27 Feb 2018 00:35

Instrument :

BNA_M

ClientSampleId :

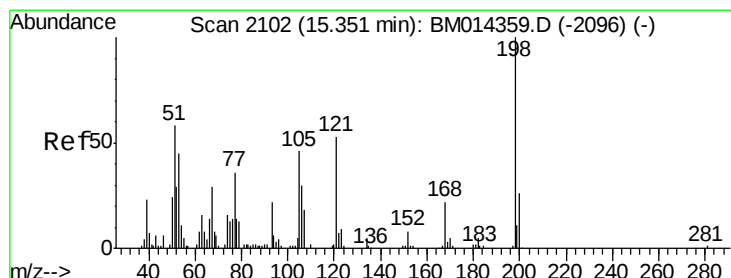
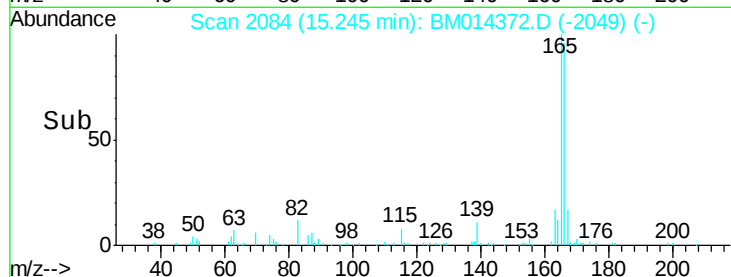
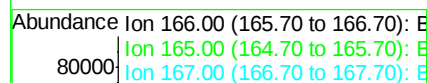
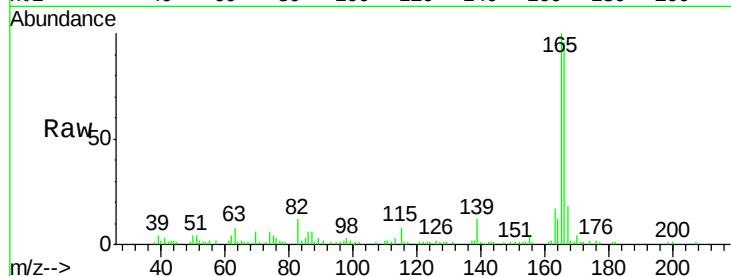
Tot Ion:166 Resp: 87806

Ion Ratio Lower Upper

166 100

165 103.9 77.9 116.9

167 18.9 10.6 16.0#



#63

4,6-Dinitro-2-methylphenol

Concen: 1.066 ng/ul

RT: 15.26 min Scan# 2087

Delta R.T. -0.09 min

Lab File: BM014372.D

Acq: 27 Feb 2018 00:35

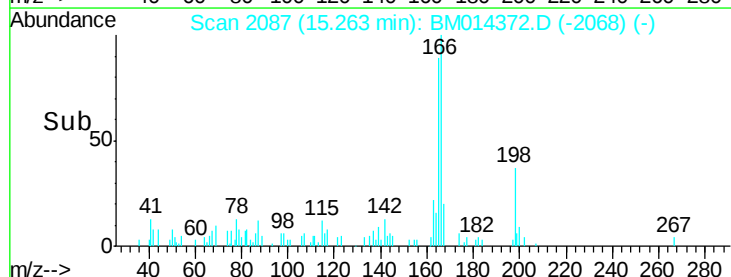
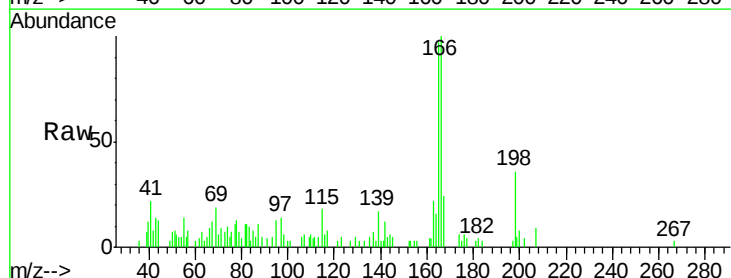
Tgt Ion:198 Resp: 4800

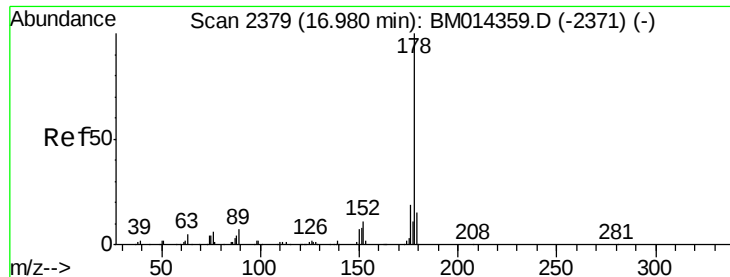
Ion Ratio Lower Upper

198 100

182 11.6 3.8 5.6#

77 29.6 25.2 37.8





#69

Phenanthrene

Concen: 46.573 ng/ul

RT: 16.99 min Scan# 2380

Delta R.T. 0.01 min

Lab File: BM014372.D

Acq: 27 Feb 2018 00:35

Instrument :

BNA_M

ClientSampleId :

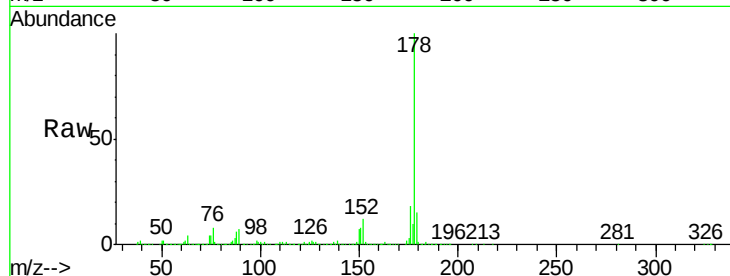
Tot Ion:178 Resp: 1979860

Ion Ratio Lower Upper

178 100

179 15.1 12.6 19.0

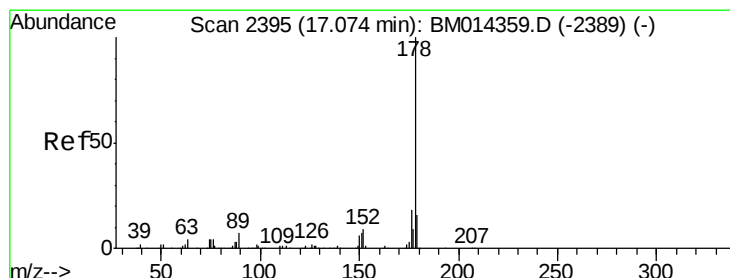
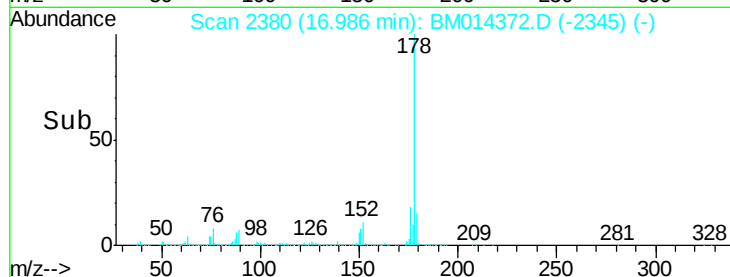
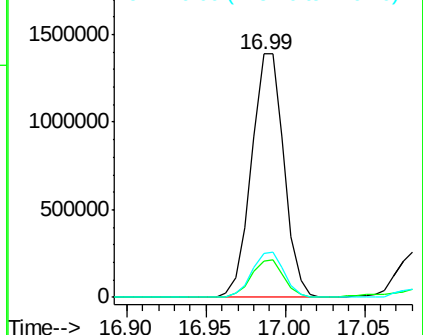
176 18.0 14.9 22.3



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: 8.147 ng/ul

RT: 17.08 min Scan# 2396

Delta R.T. 0.01 min

Lab File: BM014372.D

Acq: 27 Feb 2018 00:35

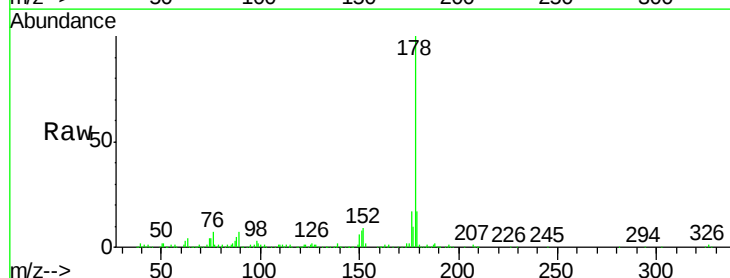
Tgt Ion:178 Resp: 348318

Ion Ratio Lower Upper

178 100

179 17.2 11.7 17.5

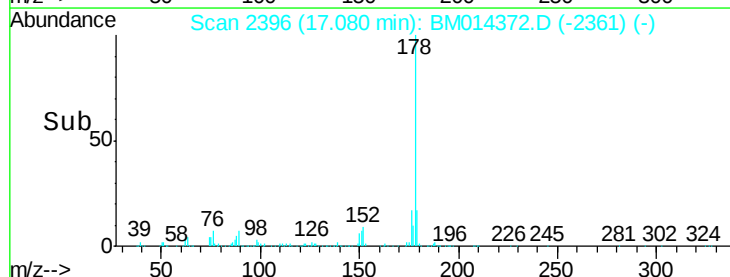
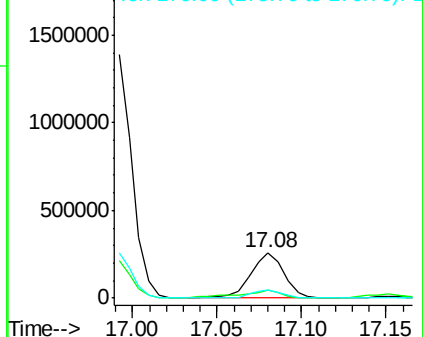
176 16.7 14.6 21.8

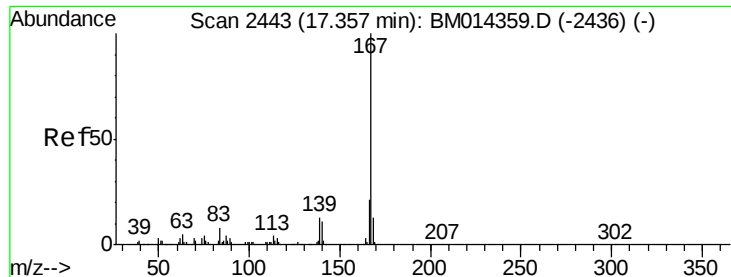


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 4.627 ng/ul

RT: 17.36 min Scan# 2444

Delta R.T. 0.01 min

Lab File: BM014372.D

Acq: 27 Feb 2018 00:35

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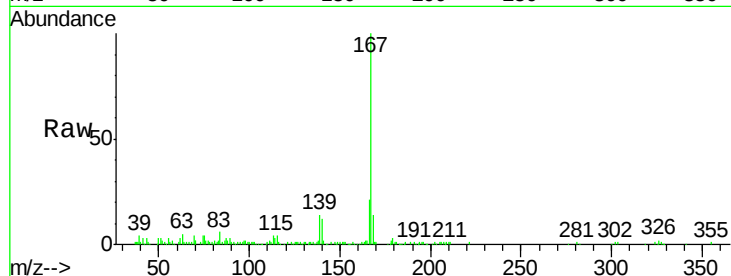
Tot Ion:167 Resp: 166328

Ion Ratio Lower Upper

167 100

166 21.1 17.1 25.7

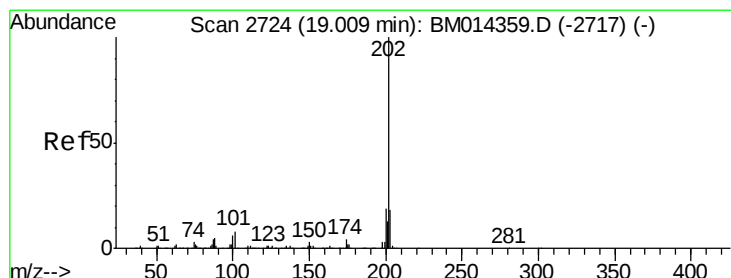
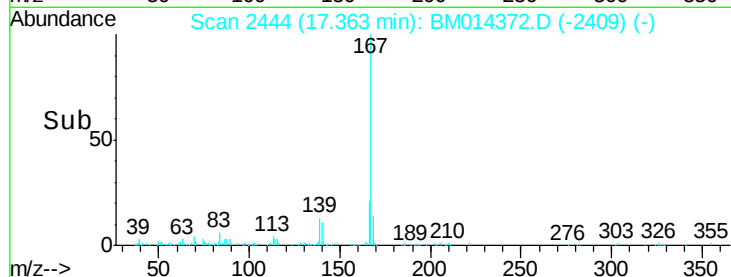
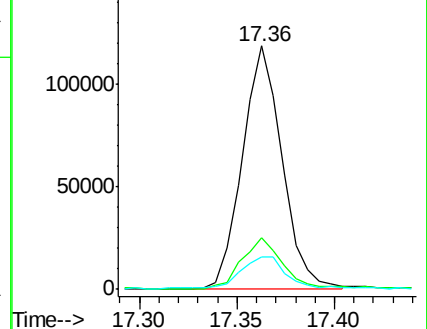
139 13.6 10.0 15.0



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: 48.959 ng/ul

RT: 19.02 min Scan# 2725

Delta R.T. 0.01 min

Lab File: BM014372.D

Acq: 27 Feb 2018 00:35

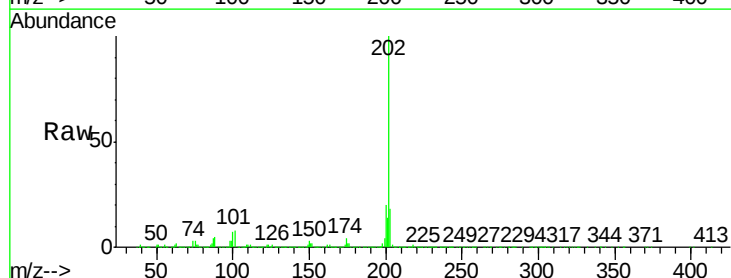
Tgt Ion:202 Resp: 2486583

Ion Ratio Lower Upper

202 100

101 8.2 4.6 7.0#

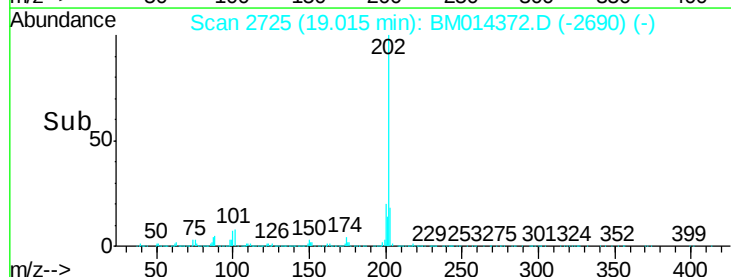
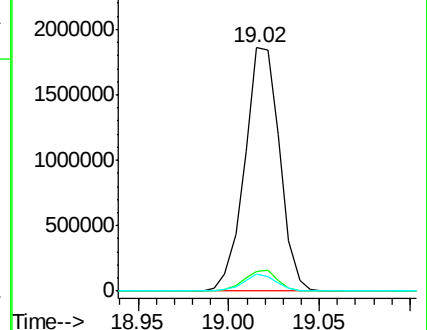
100 7.0 3.4 5.2#

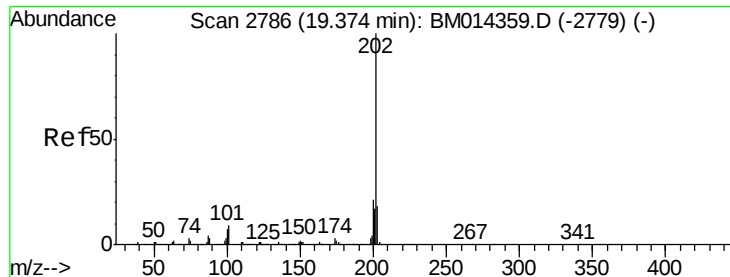


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 64.076 ng/ul

RT: 19.39 min Scan# 2788

Delta R.T. 0.01 min

Lab File: BM014372.D

Acq: 27 Feb 2018 00:35

Instrument :

BNA_M

ClientSampleId :

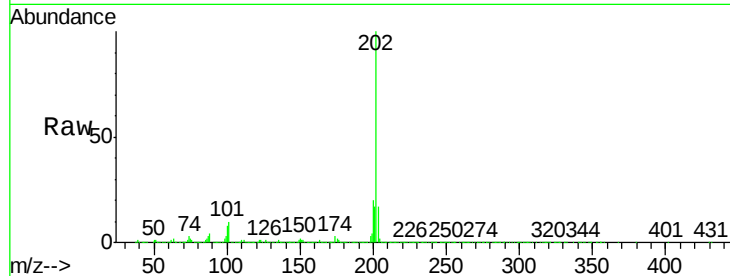
Tot Ion:202 Resp: 2112528

Ion Ratio Lower Upper

202 100

101 9.6 5.1 7.7#

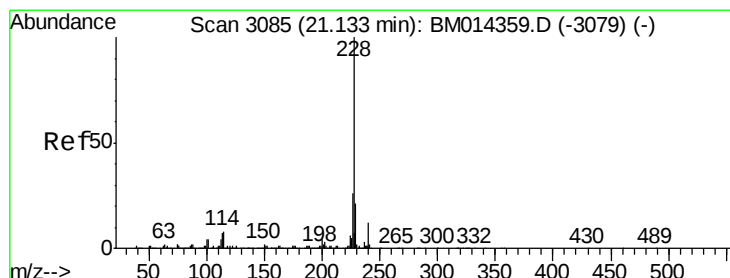
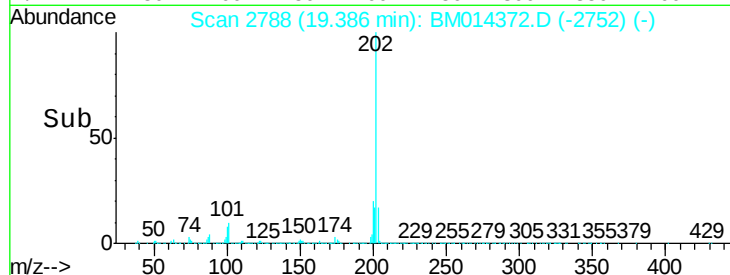
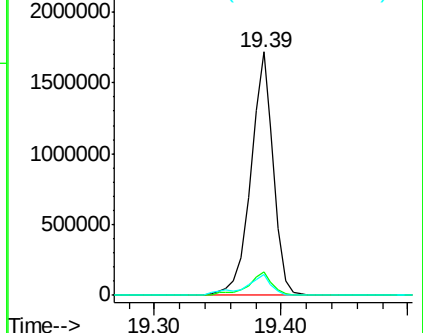
100 8.3 4.9 7.3#



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: 26.033 ng/ul

RT: 21.14 min Scan# 3086

Delta R.T. 0.01 min

Lab File: BM014372.D

Acq: 27 Feb 2018 00:35

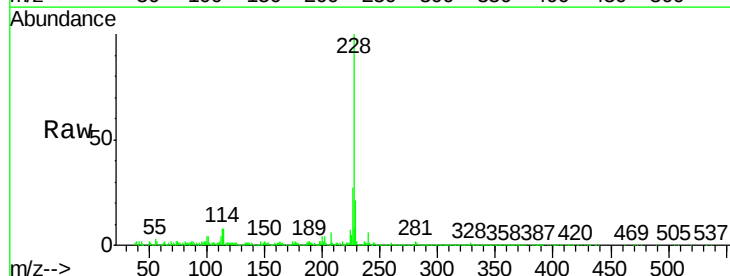
Tgt Ion:228 Resp: 806024

Ion Ratio Lower Upper

228 100

229 20.5 15.4 23.0

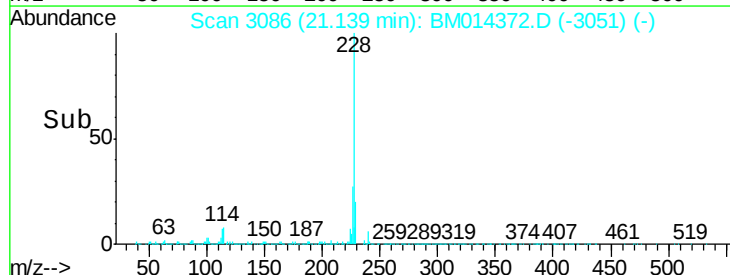
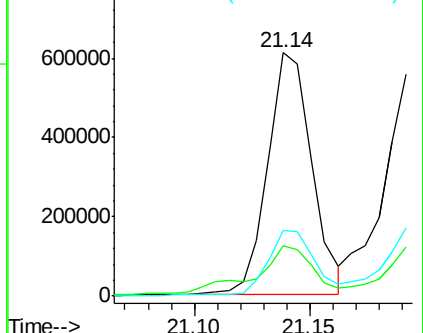
226 26.9 21.4 32.0

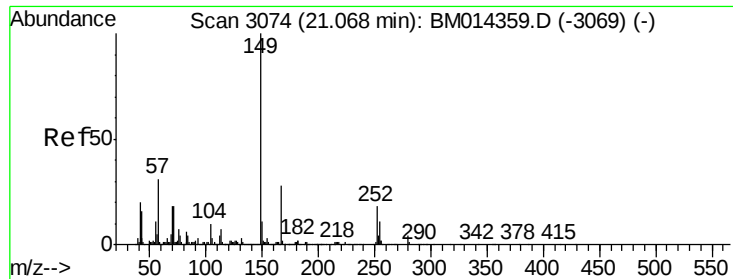


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 2.953 ng/ul

RT: 21.07 min Scan# 3075

Delta R.T. 0.01 min

Lab File: BM014372.D

Acq: 27 Feb 2018 00:35

Instrument :

BNA_M

ClientSampleId :

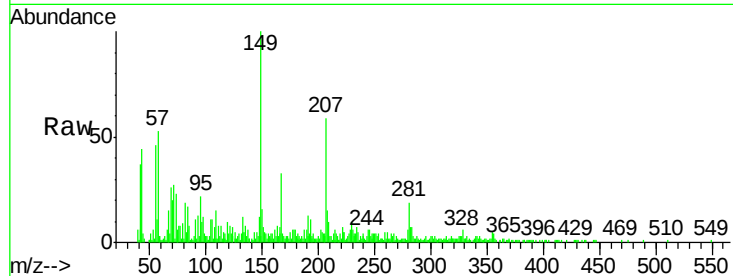
Tot Ion:149 Resp: 57650

Ion Ratio Lower Upper

149 100

167 32.5 22.8 34.2

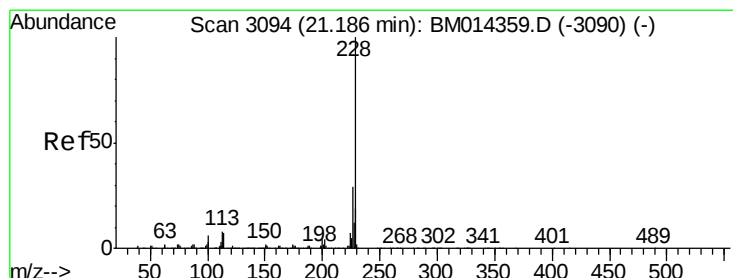
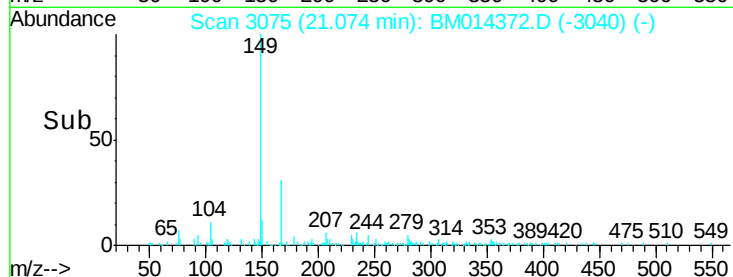
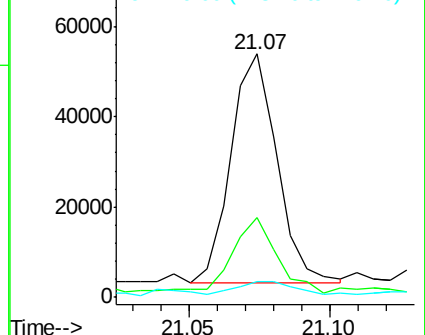
279 6.5 4.9 7.3



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: 25.952 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. 0.01 min

Lab File: BM014372.D

Acq: 27 Feb 2018 00:35

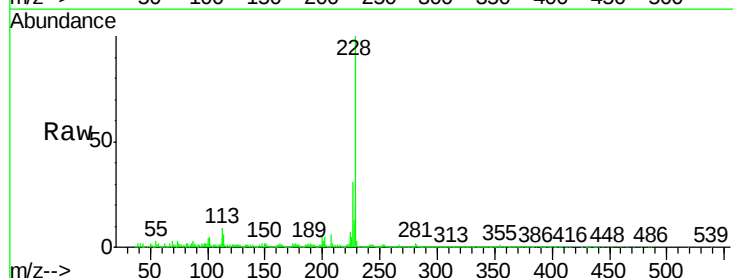
Tgt Ion:228 Resp: 749557

Ion Ratio Lower Upper

228 100

226 30.7 23.4 35.2

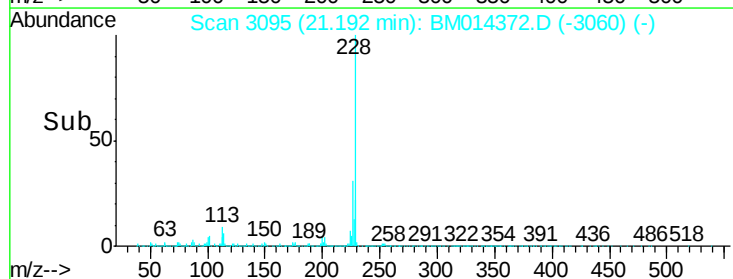
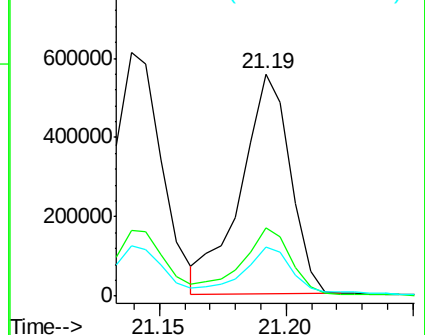
229 22.3 15.5 23.3

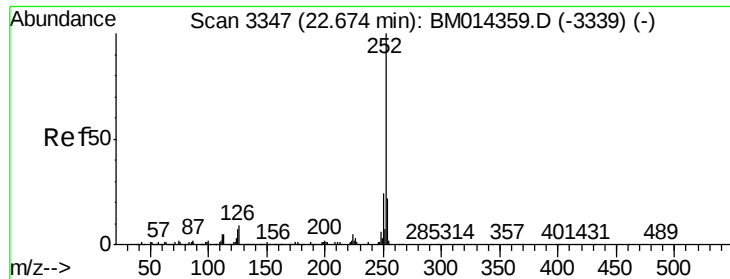


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 28.491 ng/ul

RT: 22.69 min Scan# 3350

Delta R.T. 0.02 min

Lab File: BM014372.D

Acq: 27 Feb 2018 00:35

Instrument :

BNA_M

ClientSampleId :

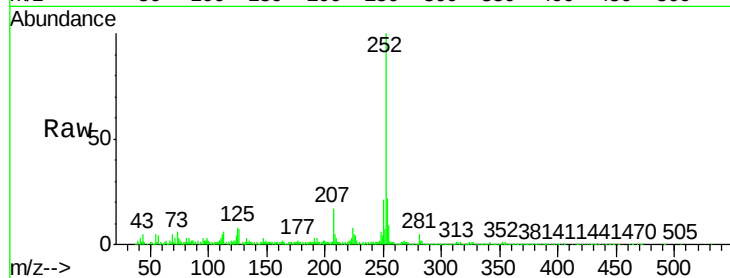
Tot Ion:252 Resp: 902986

Ion Ratio Lower Upper

252 100

253 21.7 17.9 26.9

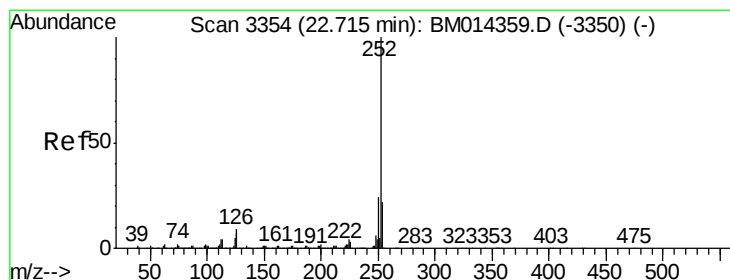
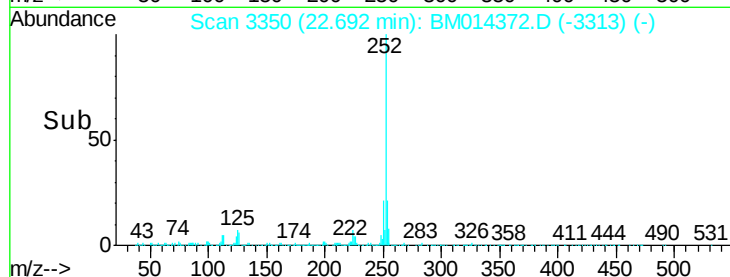
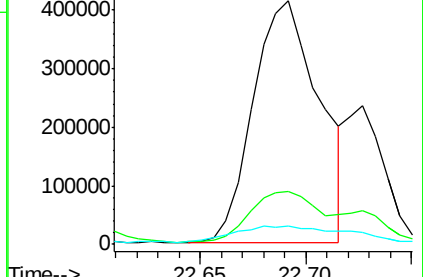
125 7.8 3.6 5.4#



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: 9.468 ng/ul

RT: 22.73 min Scan# 3356

Delta R.T. 0.01 min

Lab File: BM014372.D

Acq: 27 Feb 2018 00:35

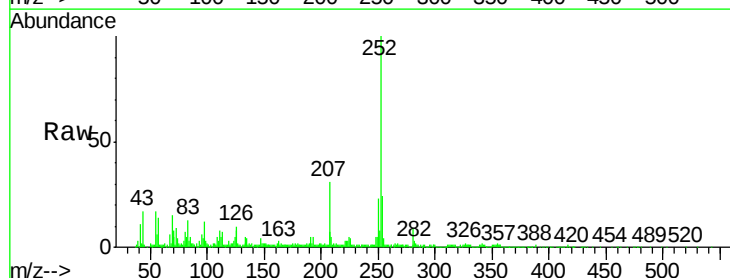
Tgt Ion:252 Resp: 285304

Ion Ratio Lower Upper

252 100

253 24.3 17.1 25.7

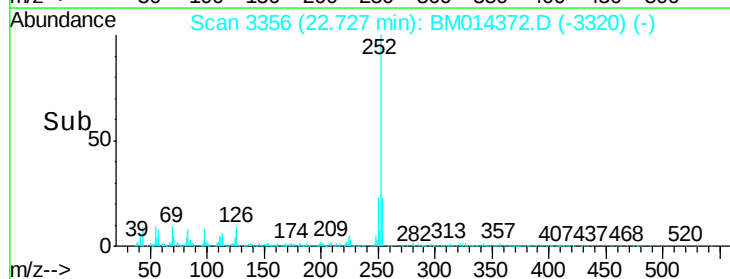
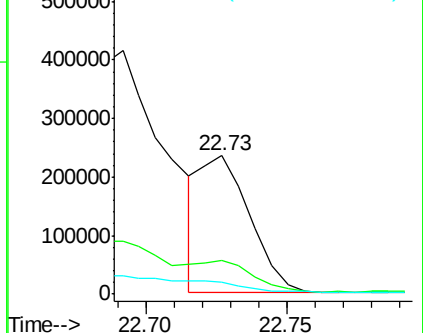
125 8.2 3.4 5.2#

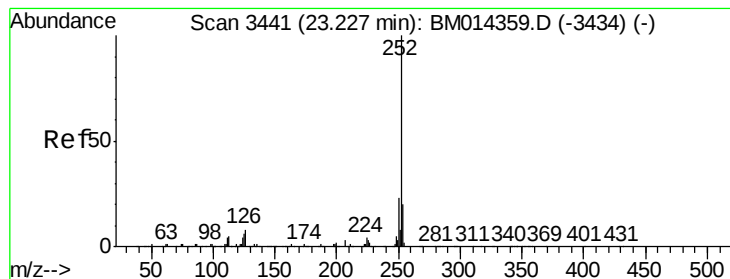


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 22.814 ng/ul

RT: 23.24 min Scan# 3443

Delta R.T. 0.01 min

Lab File: BM014372.D

Acq: 27 Feb 2018 00:35

Instrument :

BNA_M

ClientSampleId :

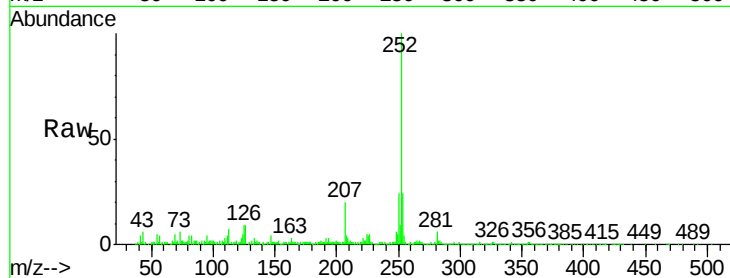
Tot Ion:252 Resp: 646114

Ion Ratio Lower Upper

252 100

253 24.2 18.2 27.2

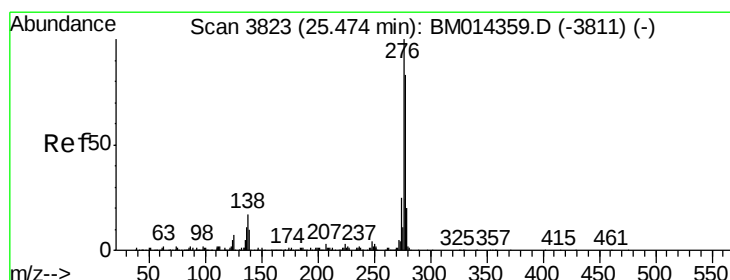
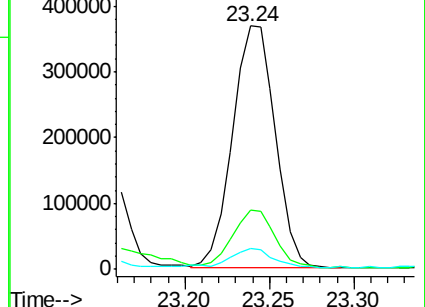
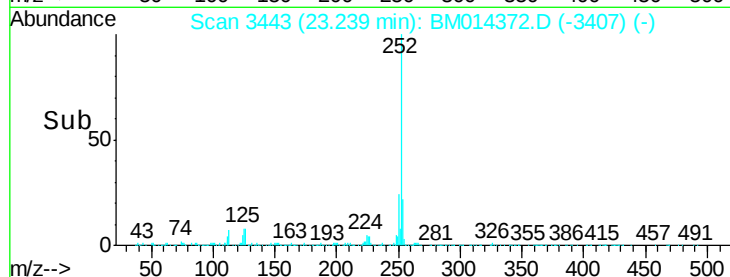
125 8.7 4.0 6.0#



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: 15.100 ng/ul

RT: 25.50 min Scan# 3827

Delta R.T. 0.02 min

Lab File: BM014372.D

Acq: 27 Feb 2018 00:35

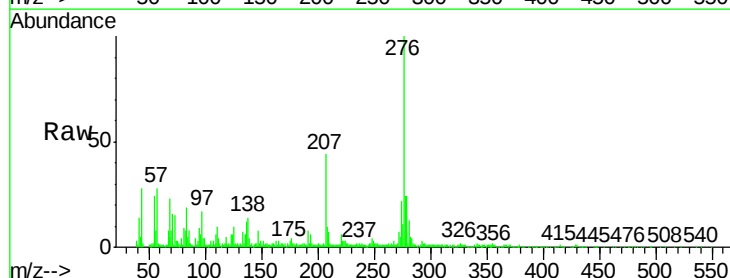
Tgt Ion:276 Resp: 414969

Ion Ratio Lower Upper

276 100

138 14.4 9.3 13.9#

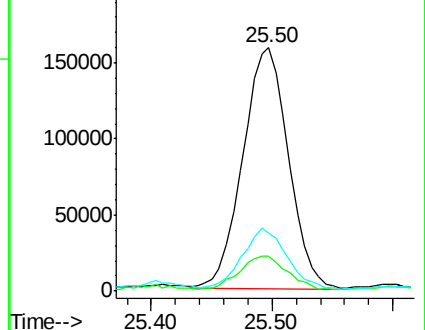
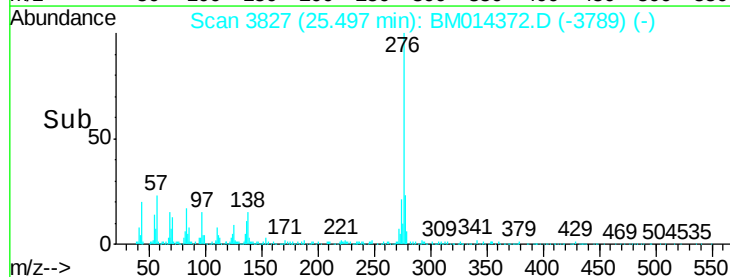
277 23.7 19.9 29.9

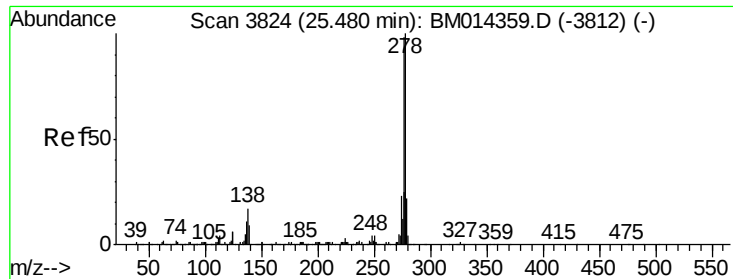


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 5.034 ng/ul

RT: 25.50 min Scan# 3827

Delta R.T. 0.02 min

Lab File: BM014372.D

Acq: 27 Feb 2018 00:35

Instrument :

BNA_M

ClientSampled :

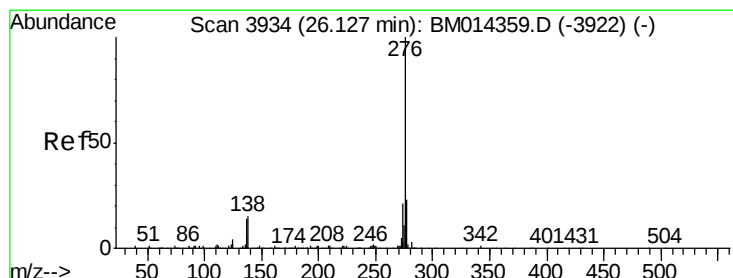
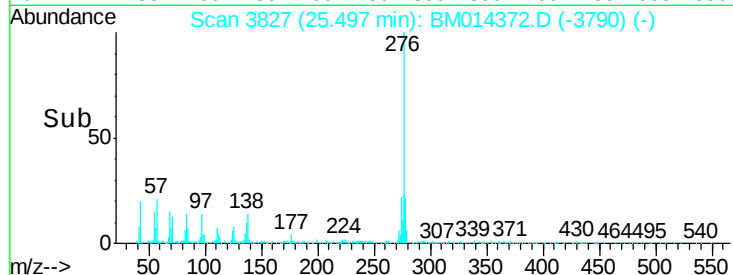
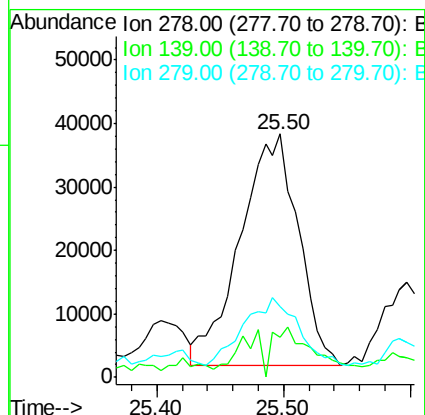
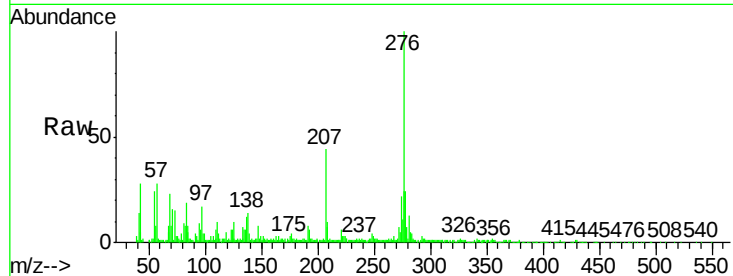
Tot Ion:278 Resp: 114957

Ion Ratio Lower Upper

278 100

139 16.4 5.8 8.8#

279 29.2 18.6 27.8#



#91

Benzo(g,h,i)perylene

Concen: 14.430 ng/ul

RT: 26.16 min Scan# 3940

Delta R.T. 0.04 min

Lab File: BM014372.D

Acq: 27 Feb 2018 00:35

Tgt Ion:276 Resp: 321257

Ion Ratio Lower Upper

276 100

138 11.3 8.5 12.7

277 22.6 18.6 28.0

