

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022618\
 Data File : BM014376.D
 Acq On : 27 Feb 2018 02:59
 Operator : SJ/JU
 Sample : J1646-09
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 27 07:34:07 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	167717	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	762864	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.19	164	432800	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	864579	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	584468	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	512546	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	18376	4.69	ng/uL	0.00
5) Phenol-d5	6.73	99	449851	31.74	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.88	67	271042	31.59	ng/ul	0.00
9) 2-Chlorophenol-d4	7.07	132	364968	33.58	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	324435	26.16	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	189961	33.70	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	204811	35.10	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.94	165	383162	31.70	ng/ul	0.01
29) 4-Chloroaniline-d4	10.46	131	332351	27.91	ng/ul	0.00
43) Dimethylphthalate-d6	13.61	166	1227563	34.35	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	1563741	35.48	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	115548	23.41	ng/ul	0.02
57) Fluorene-d10	15.19	176	996479	31.12	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.35	200	36767	7.09	ng/ul	0.02
70) Anthracene-d10	17.04	188	1377344	33.02	ng/ul	0.00
76) Pyrene-d10	19.36	212	1244082	41.27	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.20	264	836964	33.55	ng/ul	0.02

Target Compounds

					Ovalue	
28) Naphthalene	10.35	128	140730	3.592	ng/ul	97
30) 4-Chloroaniline	10.35	127	20410	1.681	ng/ul#	57
34) 2-Methylnaphthalene	11.97	142	54111	1.814	ng/ul#	80
44) Dimethylphthalate	13.66	163	290421	8.240	ng/ul	98
47) Acenaphthylene	13.90	152	178992	4.297	ng/ul	93
49) Acenaphthene	14.25	153	215602	7.350	ng/ul	99
53) Dibenzofuran	14.59	168	207297	4.713	ng/ul	91
58) Fluorene	15.24	166	218070	5.743	ng/ul	98
69) Phenanthrene	16.99	178	4924204	98.853	ng/ul	99
71) Anthracene	17.08	178	722419	14.421	ng/ul	99
72) Carbazole	17.36	167	266376	6.324	ng/ul	98
74) Fluoranthene	19.03	202	5392492	90.609	ng/ul#	94
77) Pyrene	19.39	202	4697485	120.938	ng/ul#	93
80) Benzo(a)anthracene	21.14	228	1630009	44.686	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.07	149	37238	1.619	ng/ul	96
82) Chrysene	21.20	228	1578280	46.382	ng/ul	97
85) Benzo(b)fluoranthene	22.69	252	1542022	44.932	ng/ul#	97
86) Benzo(k)fluoranthene	22.69	252	1542022	47.259	ng/ul#	96
88) Benzo(a)pyrene	23.24	252	1159108	37.796	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.50	276	685503	23.035	ng/ul	97
90) Dibenzo(a,h)anthracene	25.49	278	187224	7.571	ng/ul#	80
91) Benzo(a,h,i)perylene	26.16	276	517294	21.458	ng/ul#	93

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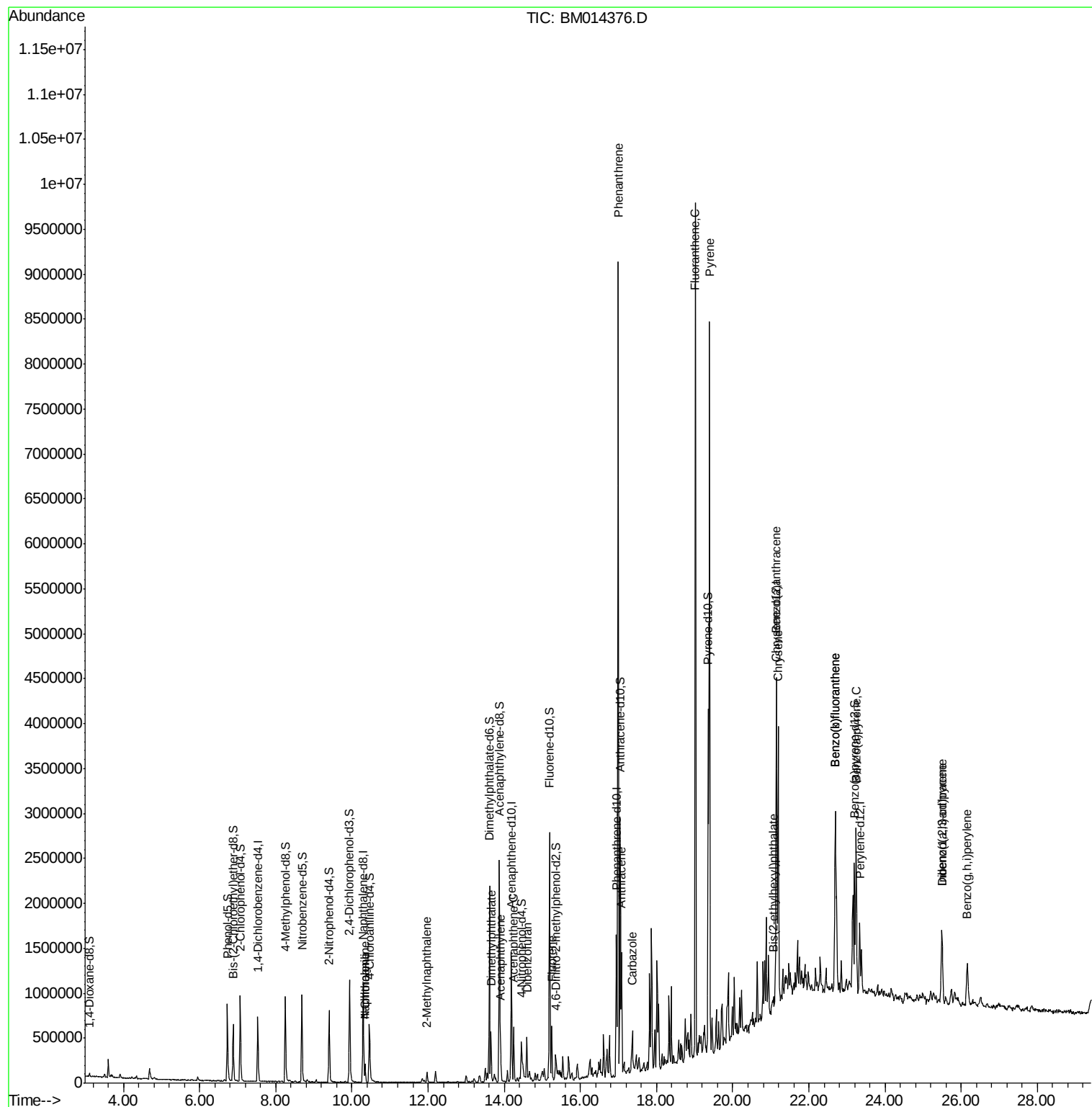
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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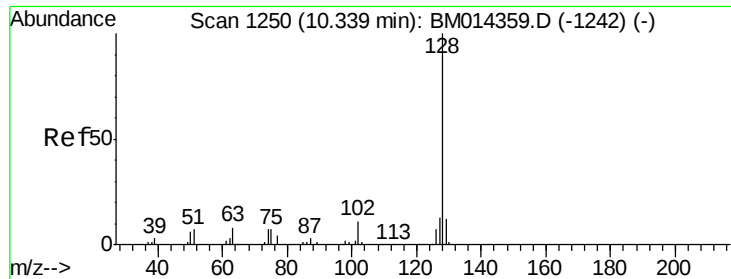
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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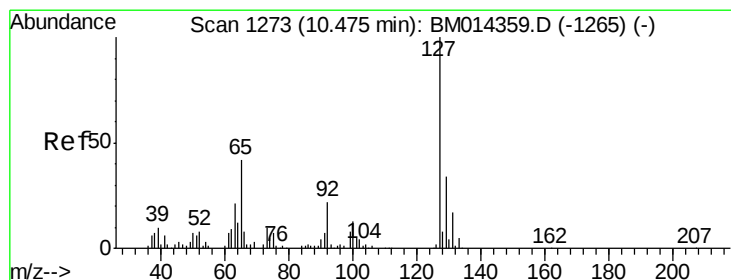
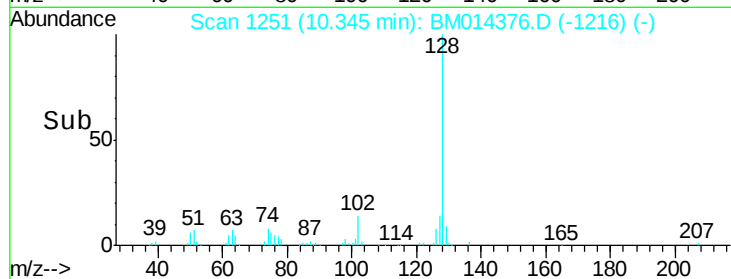
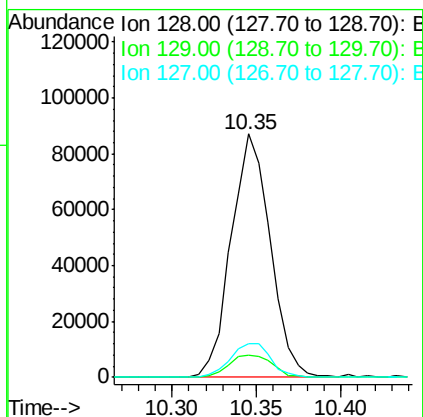
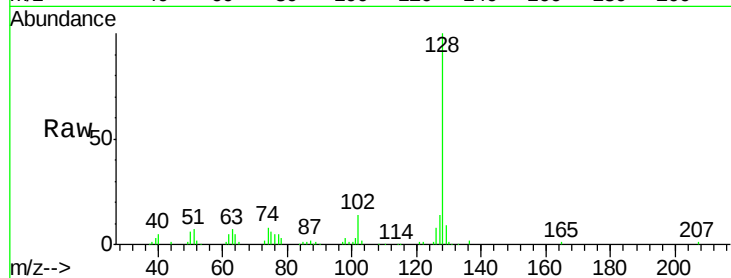




#28
Naphthalene
Concen: 3.592 ng/ul
RT: 10.35 min Scan# 1251
Delta R.T. 0.01 min
Lab File: BM014376.D
Acq: 27 Feb 2018 02:59

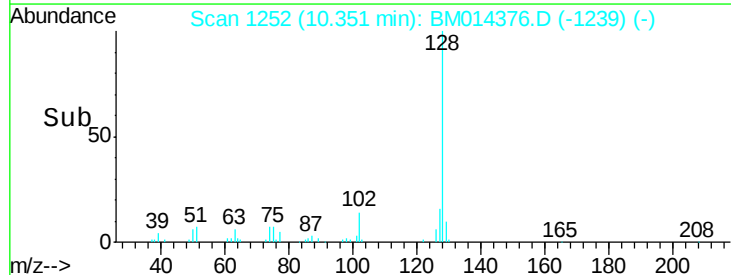
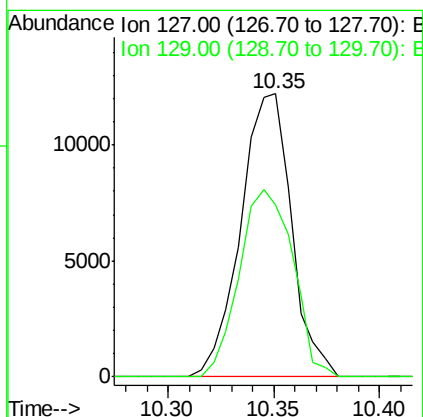
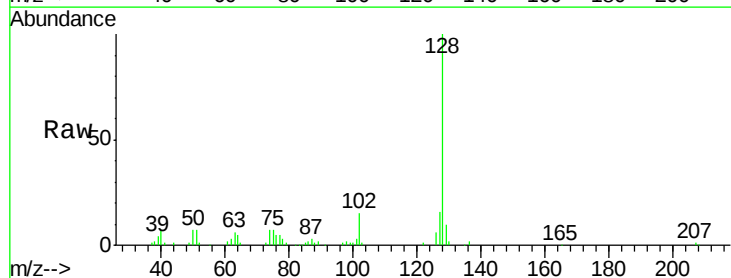
Instrument :
BNA_M
ClientSampleId :

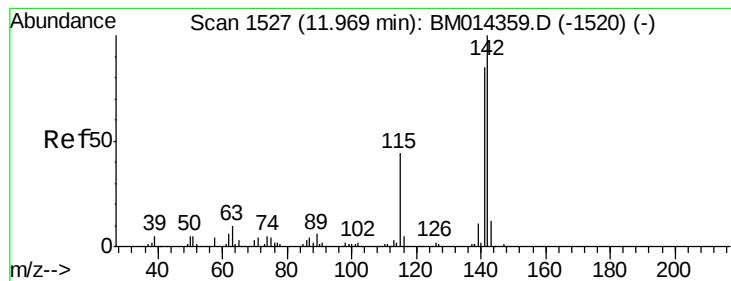
Tot Ion:128 Resp: 140730
Ion Ratio Lower Upper
128 100
129 9.3 8.8 13.2
127 13.8 10.6 16.0



#30
4-Chloroaniline
Concen: 1.681 ng/ul
RT: 10.35 min Scan# 1252
Delta R.T. -0.12 min
Lab File: BM014376.D
Acq: 27 Feb 2018 02:59

Tgt Ion:127 Resp: 20410
Ion Ratio Lower Upper
127 100
129 60.6 28.4 42.6#





#34

2-Methylnaphthalene

Concen: 1.814 ng/ul

RT: 11.97 min Scan# 1527

Delta R.T. -0.00 min

Lab File: BM014376.D

Acq: 27 Feb 2018 02:59

Instrument :

BNA_M

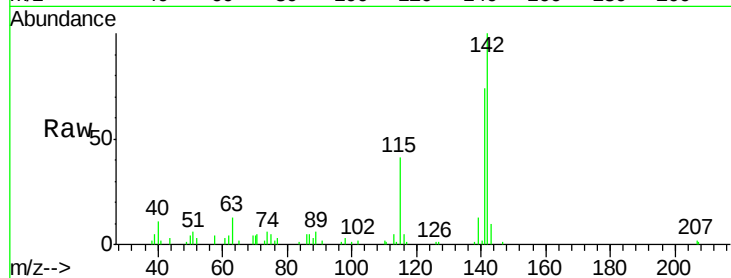
ClientSampleId :

Tot Ion:142 Resp: 54111

Ion Ratio Lower Upper

142 100

141 73.6 74.1 111.1#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.97

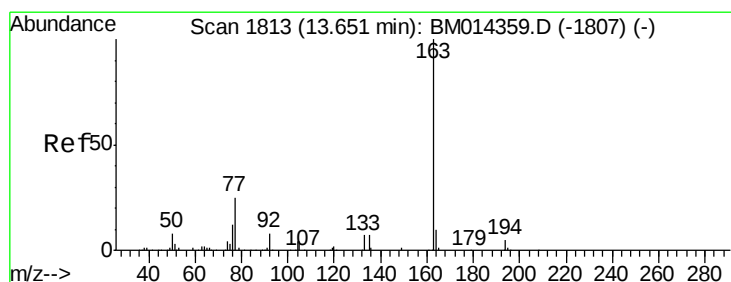
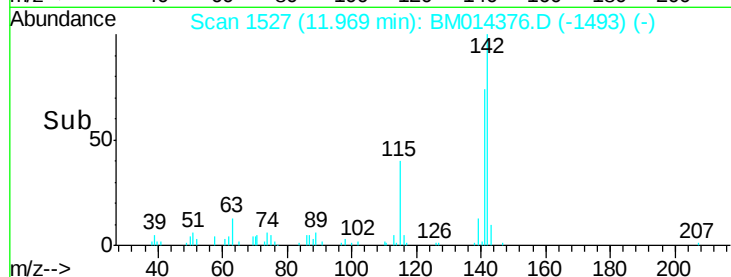
30000

20000

10000

0

Time--> 11.90 11.95 12.00



#44

Dimethylphthalate

Concen: 8.240 ng/ul

RT: 13.66 min Scan# 1814

Delta R.T. 0.01 min

Lab File: BM014376.D

Acq: 27 Feb 2018 02:59

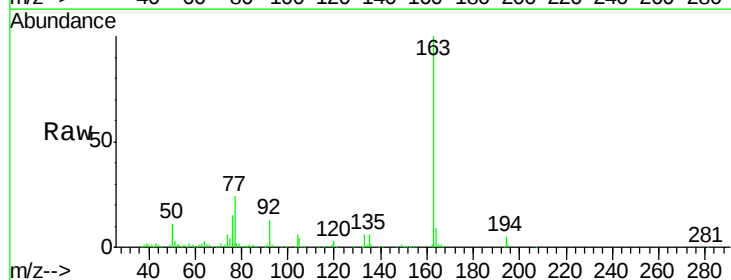
Tgt Ion:163 Resp: 290421

Ion Ratio Lower Upper

163 100

194 4.7 3.5 5.3

164 9.5 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

13.66

30000

25000

20000

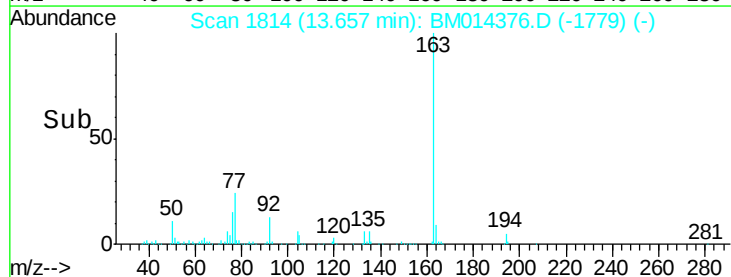
15000

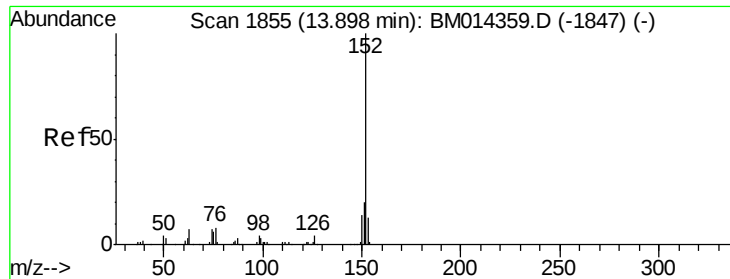
10000

5000

0

Time--> 13.60 13.65 13.70





#47

Acenaphthylene

Concen: 4.297 ng/ul

RT: 13.90 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BM014376.D

Acq: 27 Feb 2018 02:59

Instrument :

BNA_M

ClientSampleId :

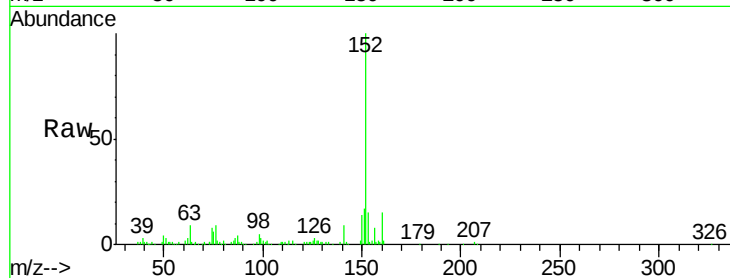
Tot Ion:152 Resp: 178992

Ion Ratio Lower Upper

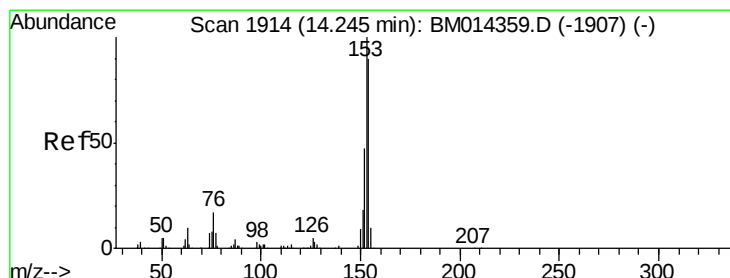
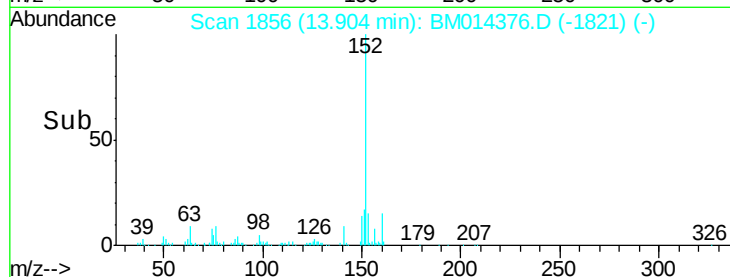
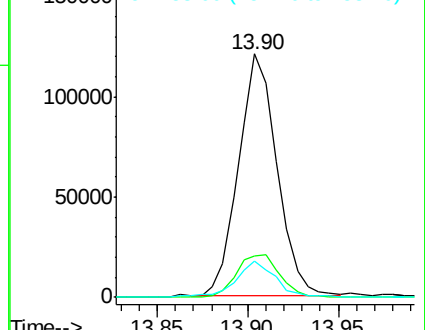
152 100

151 16.8 16.3 24.5

153 15.0 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: 7.350 ng/ul

RT: 14.25 min Scan# 1915

Delta R.T. 0.01 min

Lab File: BM014376.D

Acq: 27 Feb 2018 02:59

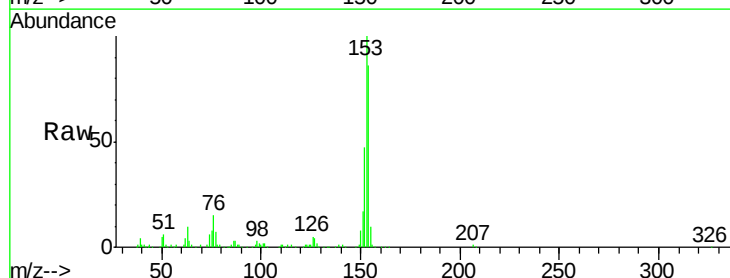
Tgt Ion:153 Resp: 215602

Ion Ratio Lower Upper

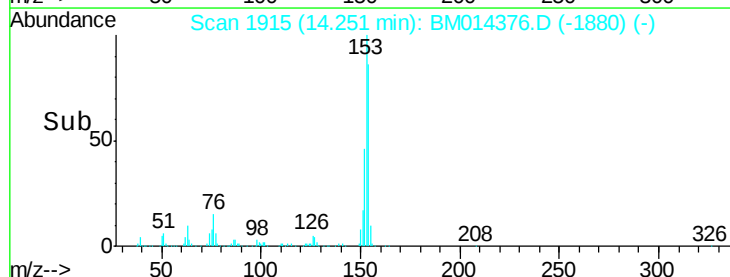
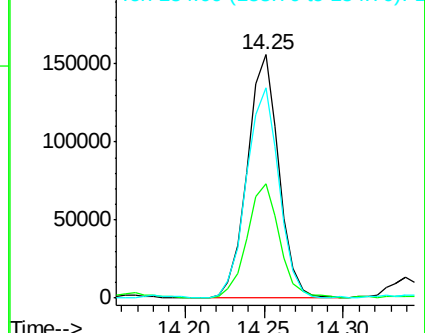
153 100

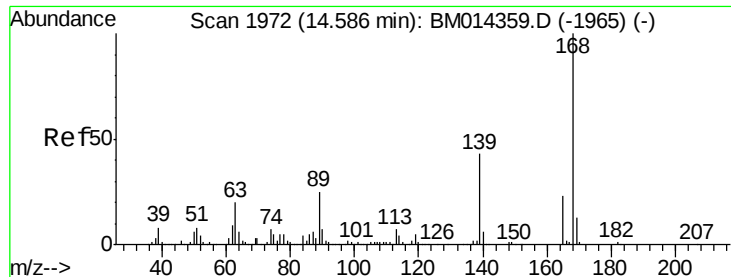
152 46.8 37.6 56.4

154 86.2 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: 4.713 ng/ul

RT: 14.59 min Scan# 1973

Delta R.T. 0.01 min

Lab File: BM014376.D

Acq: 27 Feb 2018 02:59

Instrument :

BNA_M

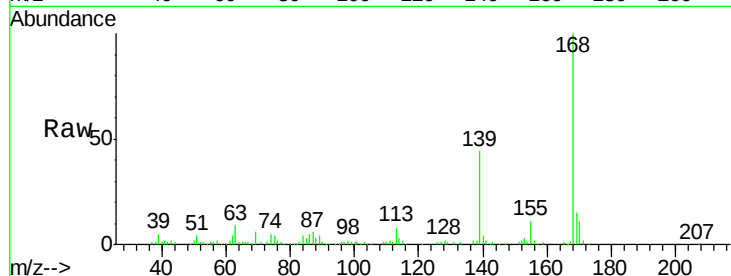
ClientSampleId :

Tot Ion:168 Resp: 207297

Ion Ratio Lower Upper

168 100

139 44.0 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

150000

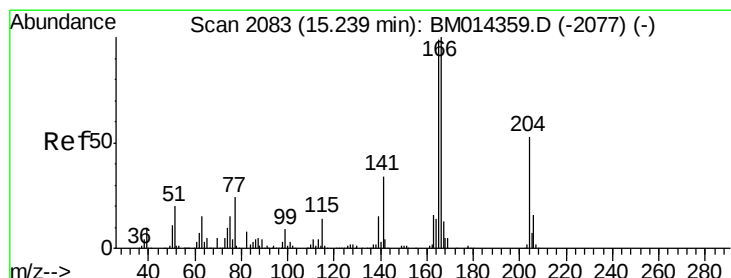
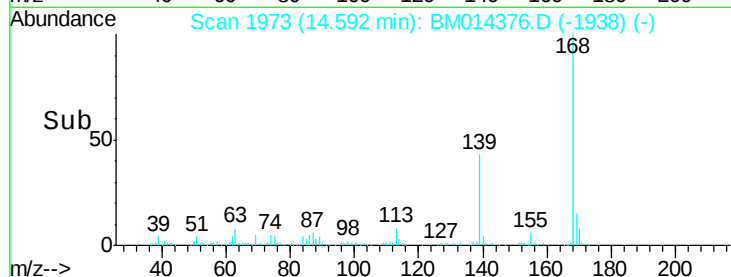
100000

50000

0

14.55 14.60 14.65

Time-->



#58

Fluorene

Concen: 5.743 ng/ul

RT: 15.24 min Scan# 2084

Delta R.T. 0.01 min

Lab File: BM014376.D

Acq: 27 Feb 2018 02:59

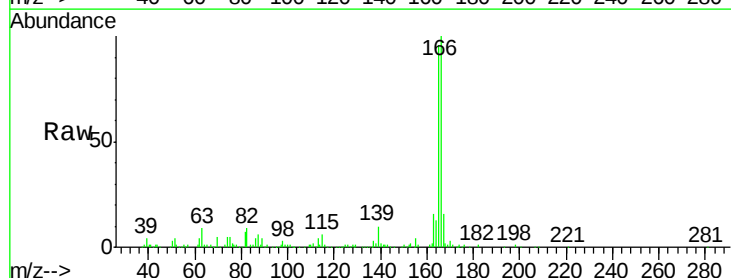
Tgt Ion:166 Resp: 218070

Ion Ratio Lower Upper

166 100

165 96.0 77.9 116.9

167 15.8 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

200000

150000

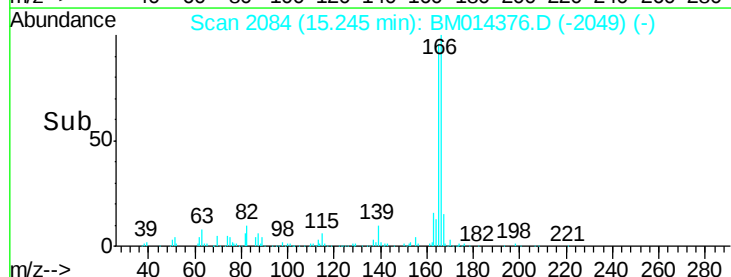
100000

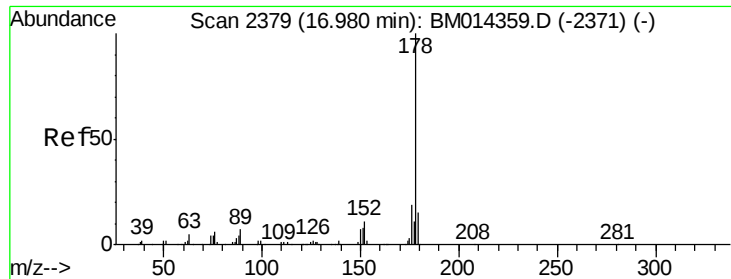
50000

0

15.20 15.25 15.30

Time-->





#69

Phenanthrene

Concen: 98.853 ng/ul

RT: 16.99 min Scan# 2381

Delta R.T. 0.01 min

Lab File: BM014376.D

Acq: 27 Feb 2018 02:59

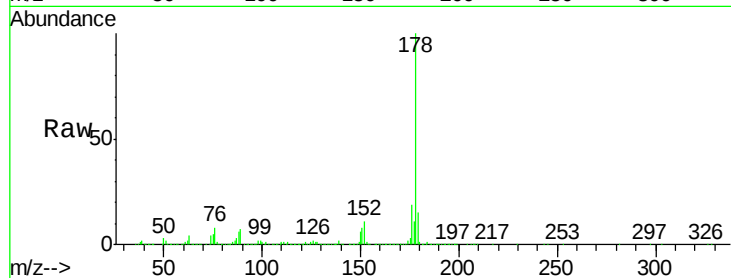
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 4924204

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.6	19.0
176	18.5	14.9	22.3

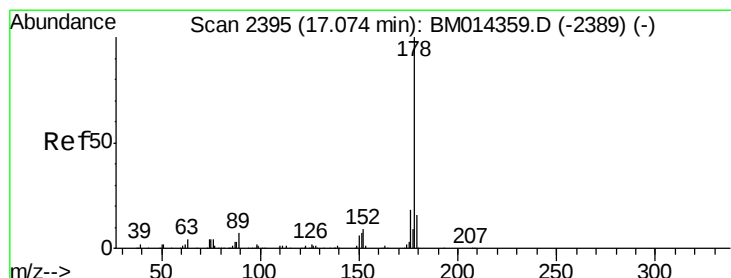
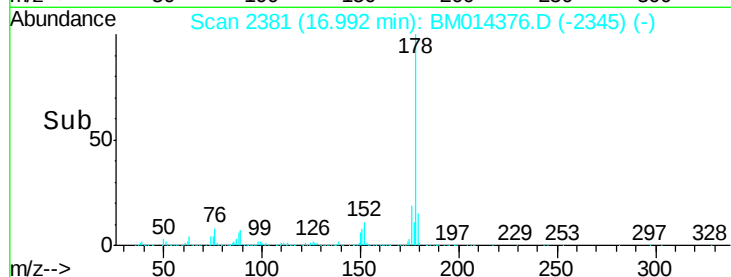
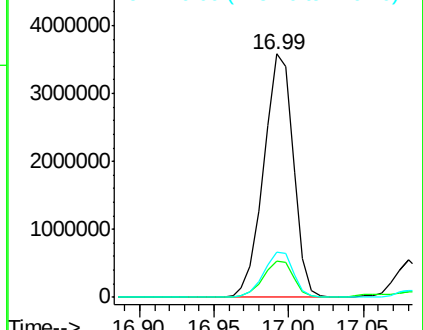


Abundance

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: 14.421 ng/ul

RT: 17.08 min Scan# 2396

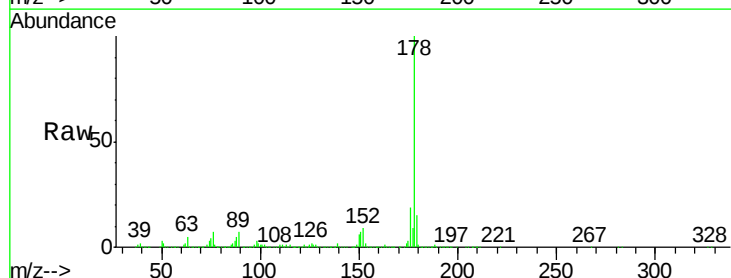
Delta R.T. 0.01 min

Lab File: BM014376.D

Acq: 27 Feb 2018 02:59

Tgt Ion:178 Resp: 722419

Ion	Ratio	Lower	Upper
178	100		
179	15.0	11.7	17.5
176	19.0	14.6	21.8

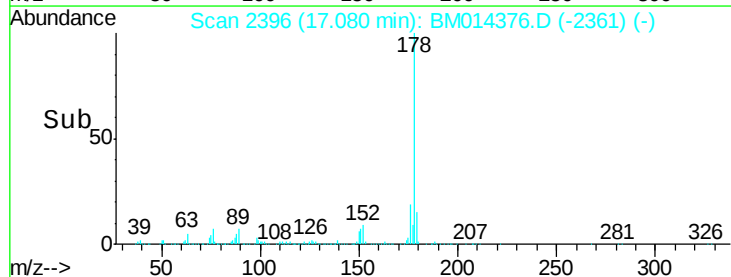
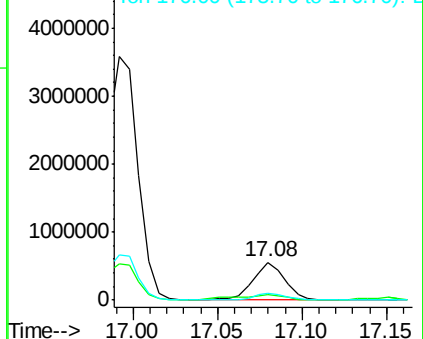


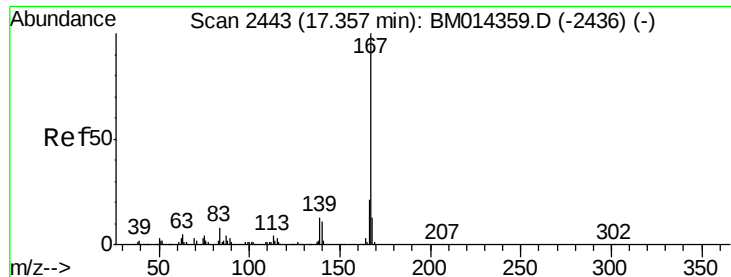
Abundance

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

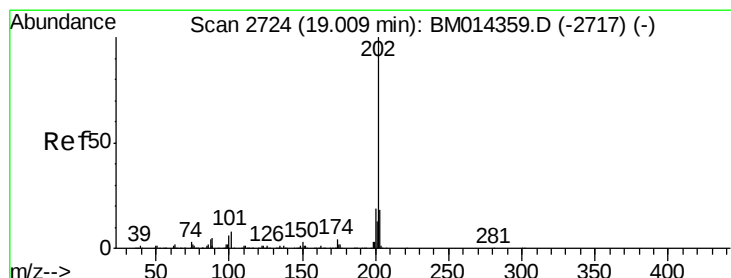
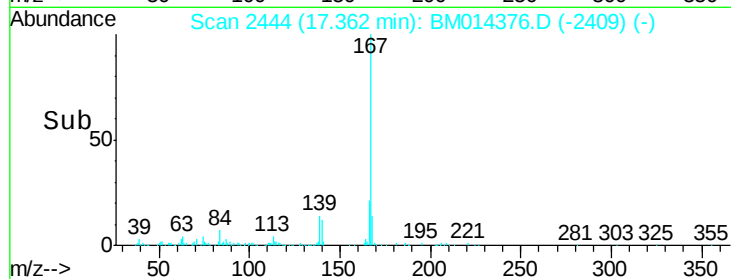
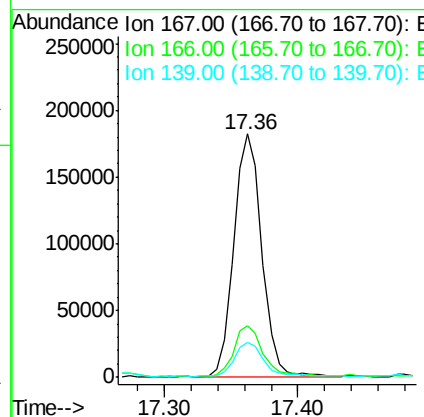
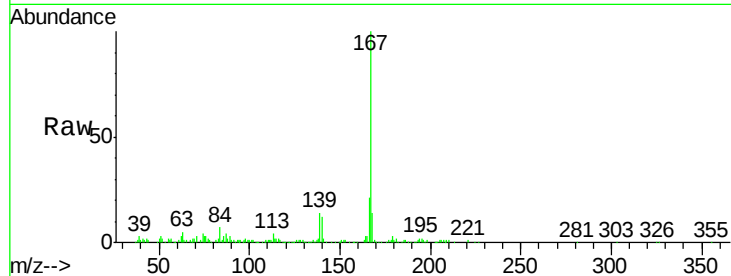




#72
 Carbazole
 Concen: 6.324 ng/ul
 RT: 17.36 min Scan# 2444
 Delta R.T. 0.01 min
 Lab File: BM014376.D
 Acq: 27 Feb 2018 02:59

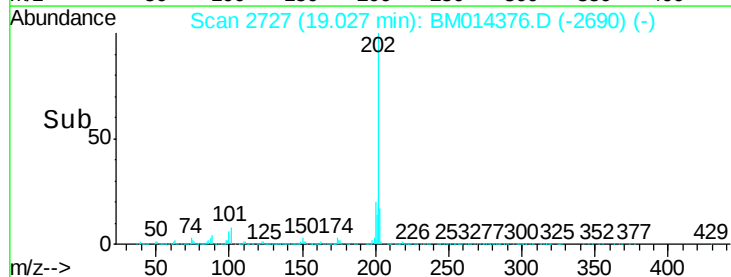
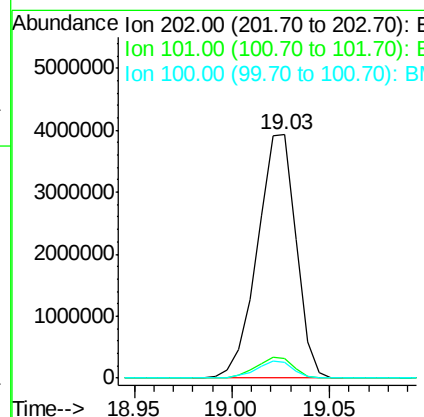
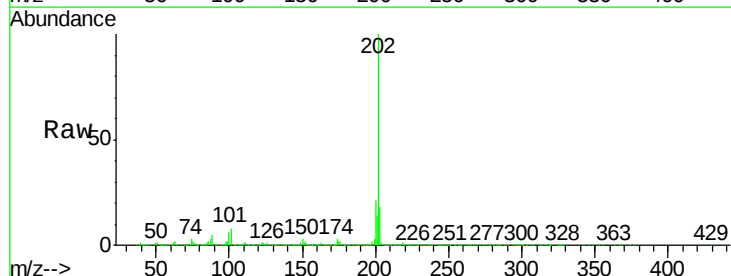
Instrument :
 BNA_M
 ClientSampleId :

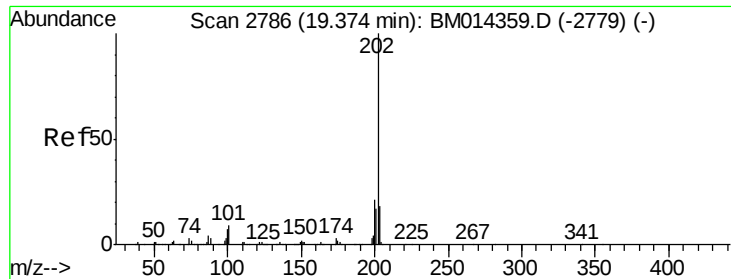
Tot Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.1	25.7
139	14.3	10.0	15.0



#74
 Fluoranthene
 Concen: 90.609 ng/ul
 RT: 19.03 min Scan# 2727
 Delta R.T. 0.02 min
 Lab File: BM014376.D
 Acq: 27 Feb 2018 02:59

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.9	4.6	7.0#
100	6.4	3.4	5.2#





#77

Pvrene

Concen: 120.938 ng/ul

RT: 19.39 min Scan# 2789

Delta R.T. 0.02 min

Lab File: BM014376.D

Acq: 27 Feb 2018 02:59

Instrument :

BNA_M

ClientSampleId :

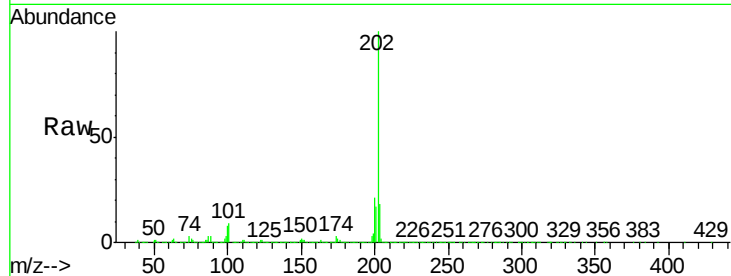
Tot Ion:202 Resp: 4697485

Ion Ratio Lower Upper

202 100

101 9.2 5.1 7.7#

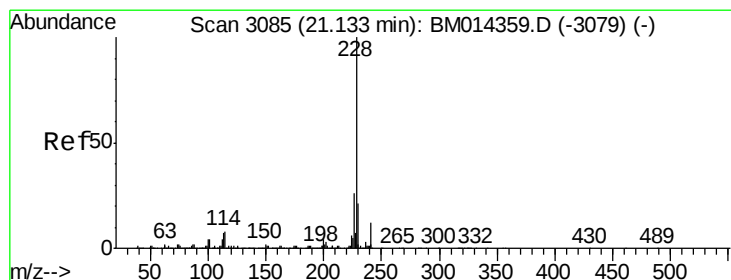
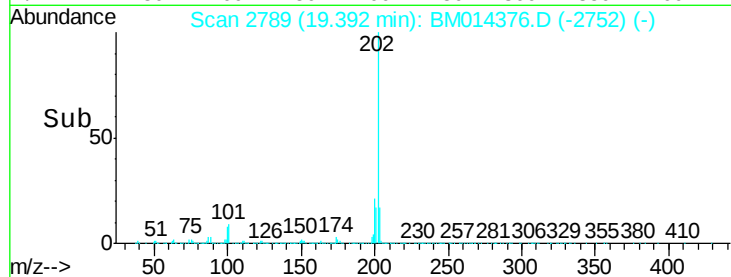
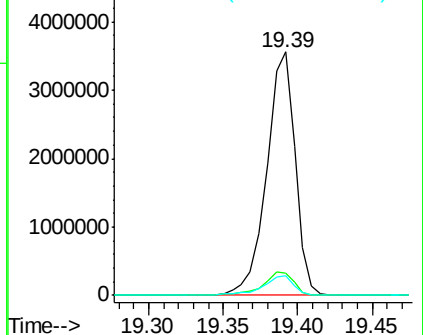
100 8.0 4.9 7.3#



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: 44.686 ng/ul

RT: 21.14 min Scan# 3087

Delta R.T. 0.01 min

Lab File: BM014376.D

Acq: 27 Feb 2018 02:59

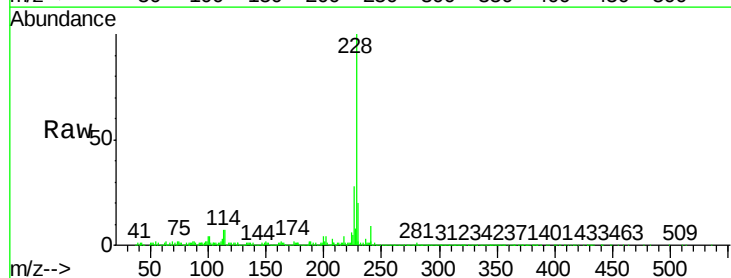
Tgt Ion:228 Resp: 1630009

Ion Ratio Lower Upper

228 100

229 19.8 15.4 23.0

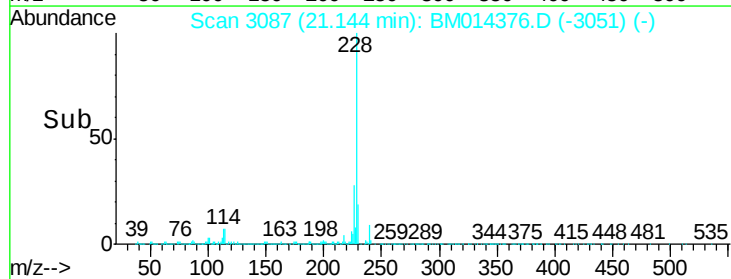
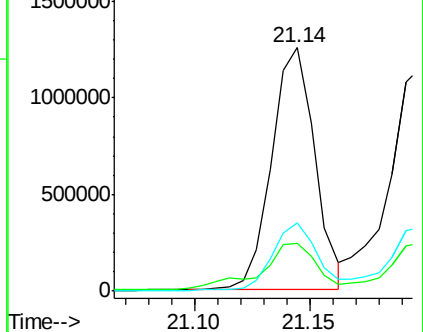
226 28.1 21.4 32.0

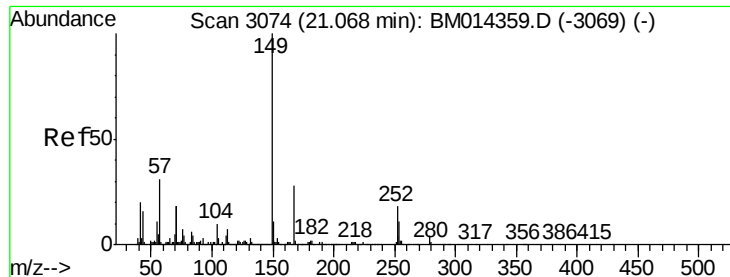


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

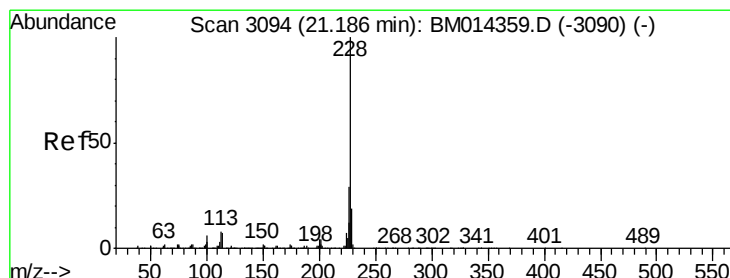
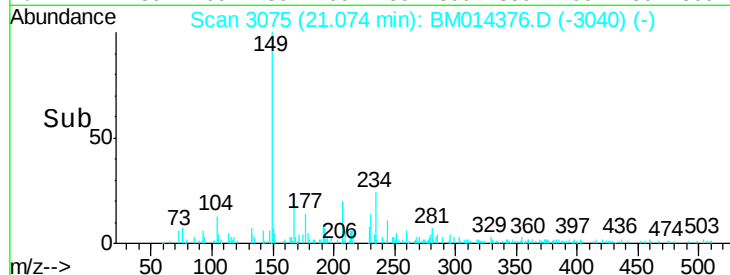
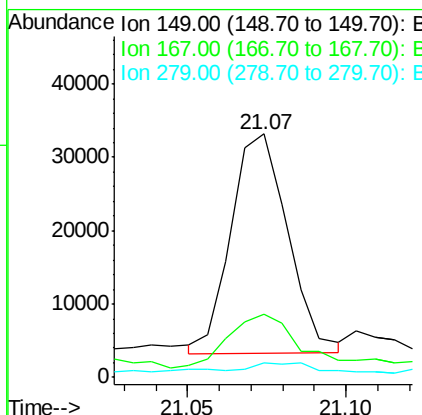
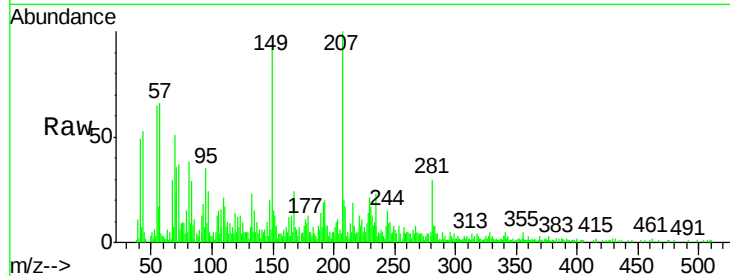




#81
 Bis(2-ethylhexyl)phthalate
 Concen: 1.619 ng/ul
 RT: 21.07 min Scan# 3075
 Delta R.T. 0.01 min
 Lab File: BM014376.D
 Acq: 27 Feb 2018 02:59

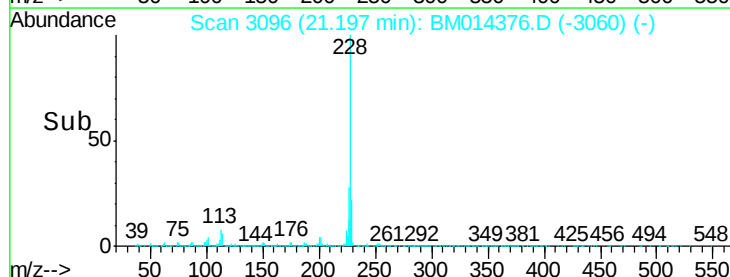
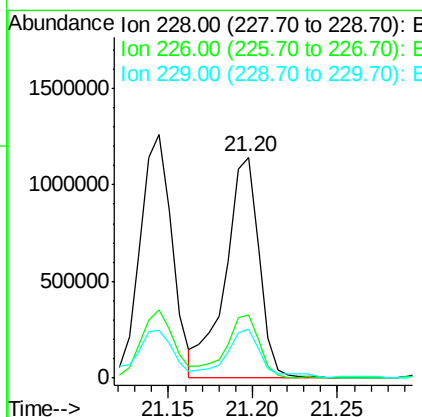
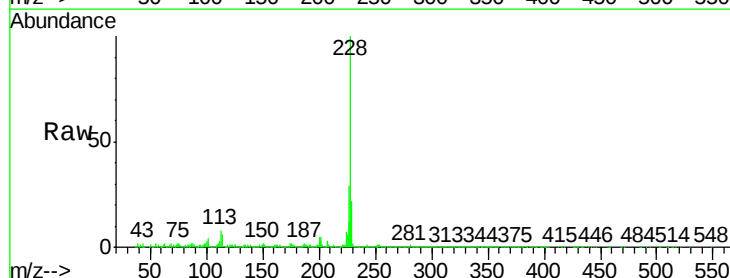
Instrument :
 BNA_M
 ClientSampleId :

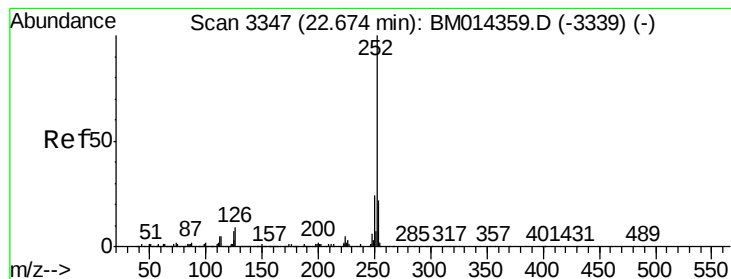
Tot Ion:149 Resp: 37238
 Ion Ratio Lower Upper
 149 100
 167 26.2 22.8 34.2
 279 5.8 4.9 7.3



#82
 Chrysene
 Concen: 46.382 ng/ul
 RT: 21.20 min Scan# 3096
 Delta R.T. 0.01 min
 Lab File: BM014376.D
 Acq: 27 Feb 2018 02:59

Tgt Ion:228 Resp: 1578280
 Ion Ratio Lower Upper
 228 100
 226 28.6 23.4 35.2
 229 22.3 15.5 23.3





#85

Benzo(b)fluoranthene

Concen: 44.932 ng/ul

RT: 22.69 min Scan# 3350

Delta R.T. 0.02 min

Lab File: BM014376.D

Acq: 27 Feb 2018 02:59

Instrument :

BNA_M

ClientSampled :

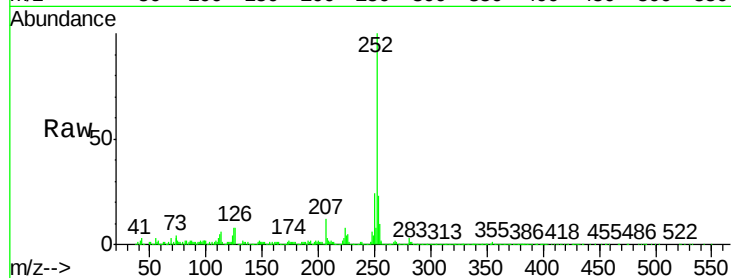
Tot Ion:252 Resp: 1542022

Ion Ratio Lower Upper

252 100

253 22.8 17.9 26.9

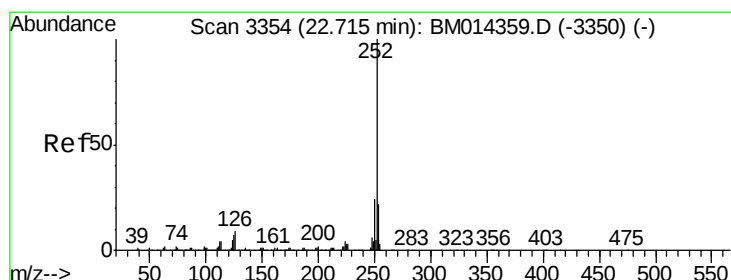
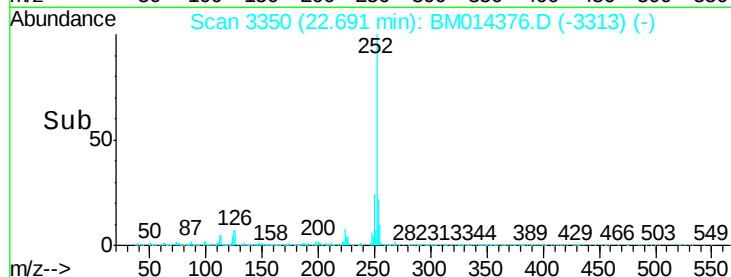
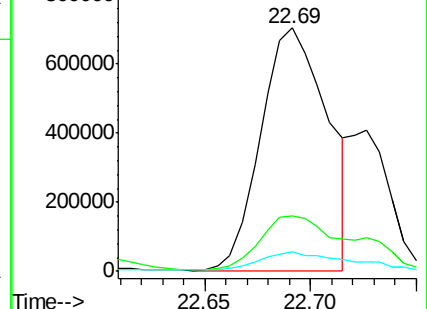
125 7.9 3.6 5.4#



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: 47.259 ng/ul

RT: 22.69 min Scan# 3350

Delta R.T. -0.02 min

Lab File: BM014376.D

Acq: 27 Feb 2018 02:59

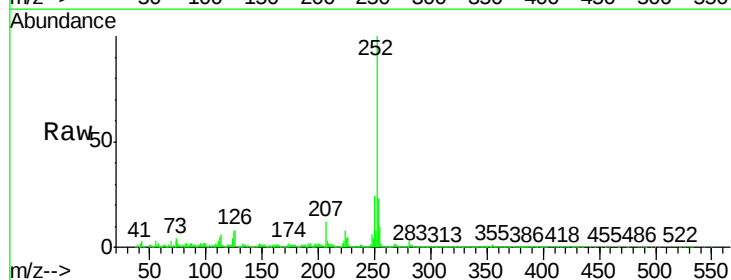
Tgt Ion:252 Resp: 1542022

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

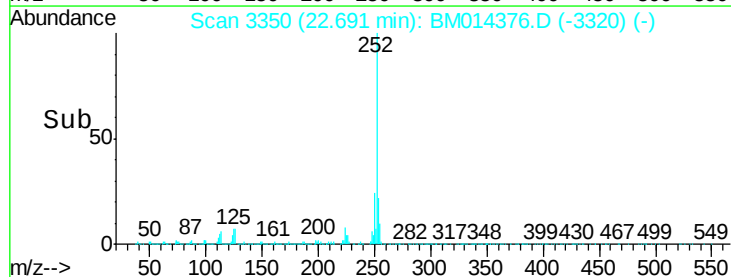
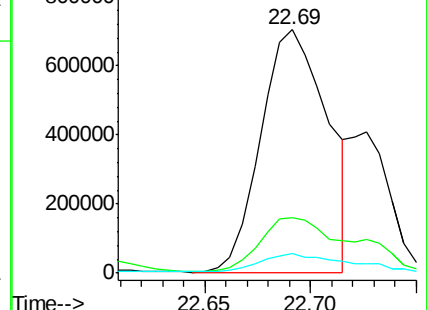
125 7.9 3.4 5.2#

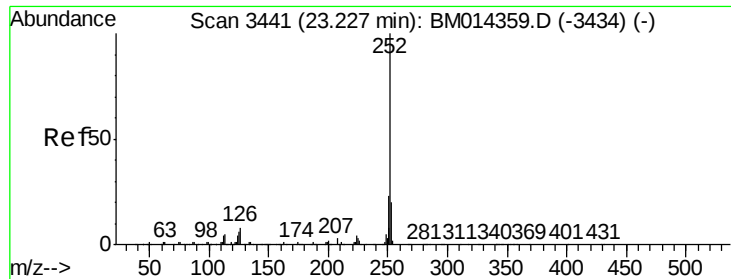


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 37.796 ng/ul

RT: 23.24 min Scan# 3444

Delta R.T. 0.02 min

Lab File: BM014376.D

Acq: 27 Feb 2018 02:59

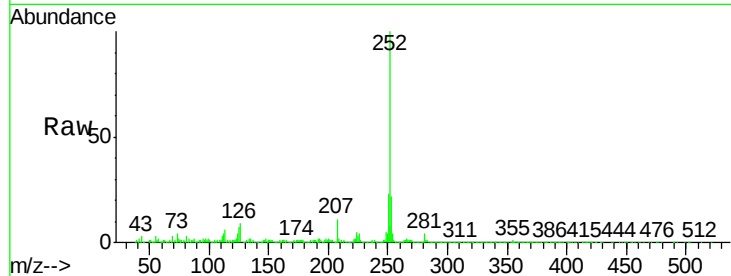
Instrument :

BNA_M

ClientSampleId :

Tot Ion:252 Resp: 1159108

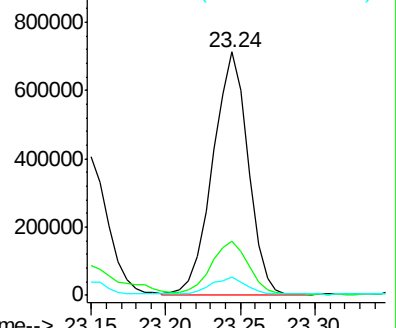
Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	7.3	4.0	6.0



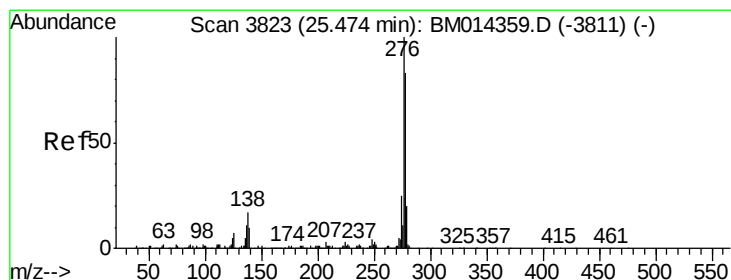
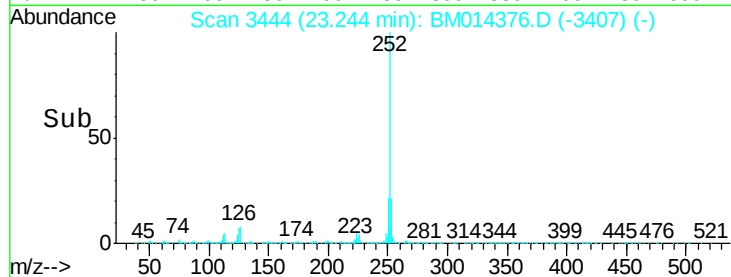
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 23.15 23.20 23.25 23.30



#89

Indeno(1,2,3-cd)pyrene

Concen: 23.035 ng/ul

RT: 25.50 min Scan# 3827

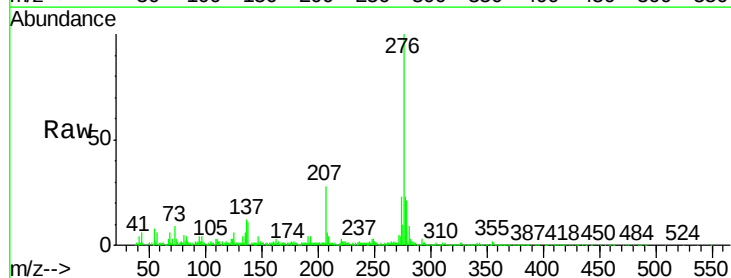
Delta R.T. 0.02 min

Lab File: BM014376.D

Acq: 27 Feb 2018 02:59

Tgt Ion:276 Resp: 685503

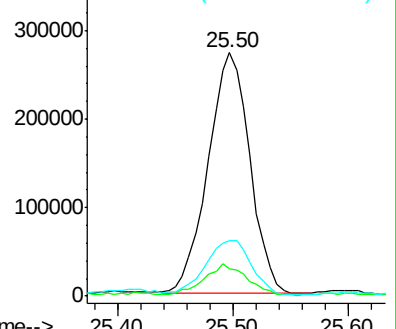
Ion	Ratio	Lower	Upper
276	100		
138	11.4	9.3	13.9
277	22.6	19.9	29.9



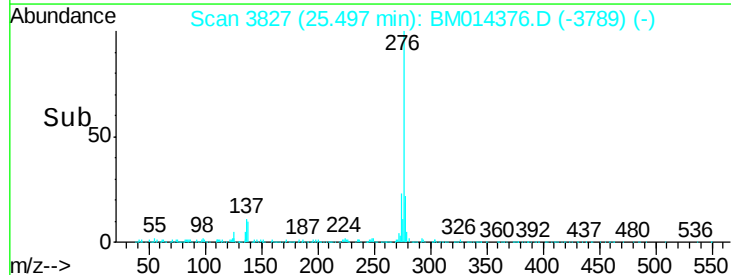
Abundance Ion 276.00 (275.70 to 276.70): E

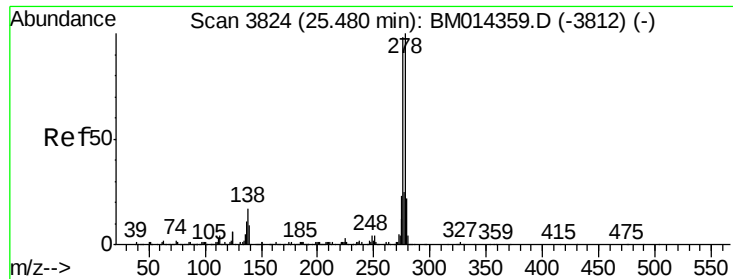
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time--> 25.40 25.50 25.60





#90

Dibenzo(a,h)anthracene

Concen: 7.571 ng/ul

RT: 25.49 min Scan# 3826

Delta R.T. 0.01 min

Lab File: BM014376.D

Acq: 27 Feb 2018 02:59

Instrument :

BNA_M

ClientSampleId :

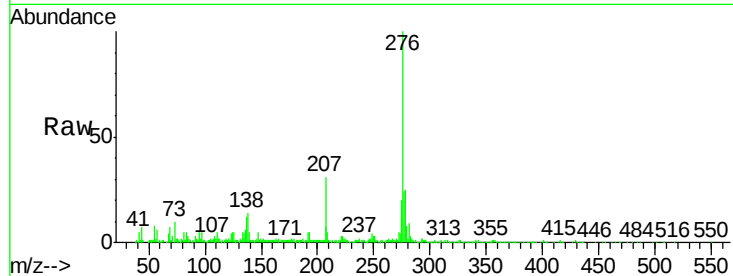
Tot Ion:278 Resp: 187224

Ion Ratio Lower Upper

278 100

139 19.2 5.8 8.8#

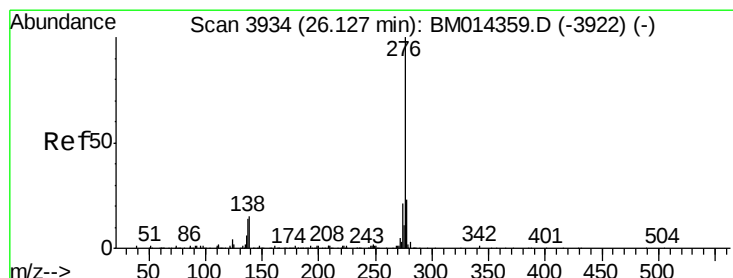
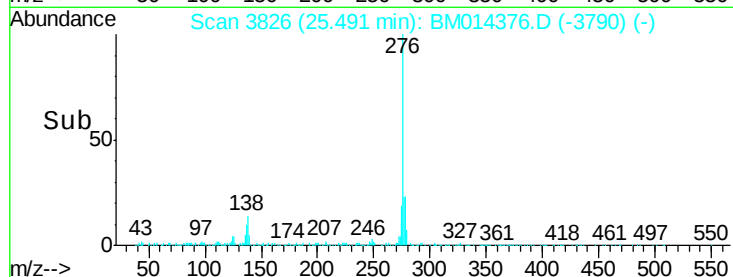
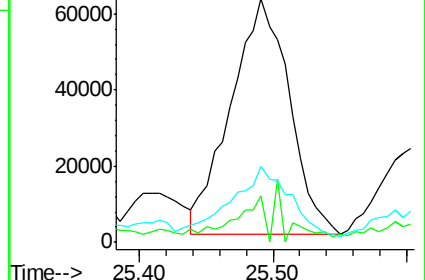
279 30.9 18.6 27.8#



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: 21.458 ng/ul

RT: 26.16 min Scan# 3940

Delta R.T. 0.04 min

Lab File: BM014376.D

Acq: 27 Feb 2018 02:59

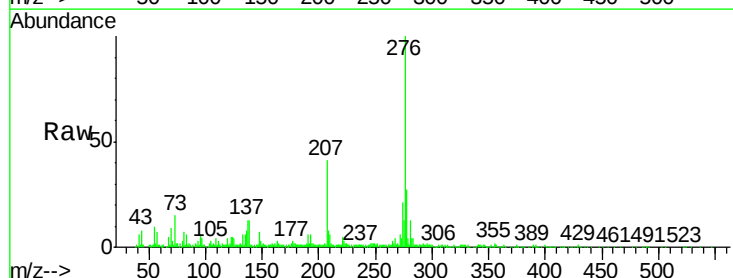
Tgt Ion:276 Resp: 517294

Ion Ratio Lower Upper

276 100

138 13.3 8.5 12.7#

277 26.9 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

