

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
 Data File : BM014421.D
 Acq On : 01 Mar 2018 03:21
 Operator : SJ/JU
 Sample : J1646-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5X0

Quant Time: Mar 01 04:07:20 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 01 03:03:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	103506	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	489387	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	320667	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	794309	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	925415	20.00	ng/ul	0.00
83) Perylene-d12	23.34	264	674821	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	9931	4.11	ng/uL	0.00
5) Phenol-d5	6.72	99	280922	32.11	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	167440	31.62	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	229110	34.15	ng/ul	0.00
13) 4-Methylphenol-d8	8.24	113	240467	31.41	ng/ul	0.00
19) Nitrobenzene-d5	8.67	128	123449	34.14	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	139809	37.35	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	253795	32.73	ng/ul	0.00
29) 4-Chloroaniline-d4	10.45	131	243972	31.94	ng/ul	0.00
43) Dimethylphthalate-d6	13.59	166	940665	35.52	ng/ul	0.00
46) Acenaphthylene-d8	13.86	160	1194842	36.59	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	97009	26.53	ng/ul	0.01
57) Fluorene-d10	15.17	176	842040	35.49	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.34	200	82380	17.29	ng/ul	0.00
70) Anthracene-d10	17.03	188	1394088	36.38	ng/ul	0.00
76) Pyrene-d10	19.35	212	1654576	34.67	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.20	264	1165509	35.49	ng/ul	0.02

Target Compounds

					Ovalue	
6) Phenol	6.74	94	32642	3.556	ng/ul	94
21) Isophorone	9.39	82	18940	1.035	ng/ul#	75
28) Naphthalene	10.33	128	105972	4.216	ng/ul	97
30) 4-Chloroaniline	10.33	127	14534	1.866	ng/ul#	27
34) 2-Methylnaphthalene	11.96	142	35647	1.863	ng/ul	82
44) Dimethylphthalate	13.64	163	242295	9.279	ng/ul#	99
47) Acenaphthylene	13.89	152	408929	13.249	ng/ul	97
49) Acenaphthene	14.23	153	187772	8.640	ng/ul	95
53) Dibenzofuran	14.58	168	155094	4.759	ng/ul	88
56) Diethylphthalate	15.02	149	63504	2.182	ng/ul#	86
58) Fluorene	15.23	166	290209	10.316	ng/ul	99
69) Phenanthrene	16.99	178	5792909	126.580	ng/ul	99
71) Anthracene	17.07	178	1450400	31.513	ng/ul	99
72) Carbazole	17.35	167	402815	10.408	ng/ul	98
74) Fluoranthene	19.02	202	12135085	221.942	ng/ul#	85
77) Pyrene	19.39	202	10533124	171.269	ng/ul#	89
80) Benzo(a)anthracene	21.14	228	5586372	96.725	ng/ul	98
82) Chrysene	21.20	228	4808590	89.249	ng/ul	97
85) Benzo(b)fluoranthene	22.70	252	5711448	126.402	ng/ul#	97
86) Benzo(k)fluoranthene	22.70	252	5711448	132.948	ng/ul#	96
88) Benzo(a)pyrene	23.26	252	3813752	94.453	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.52	276	2102384	53.658	ng/ul#	98
90) Dibenzo(a,h)anthracene	25.51	278	572032	17.570	ng/ul#	86

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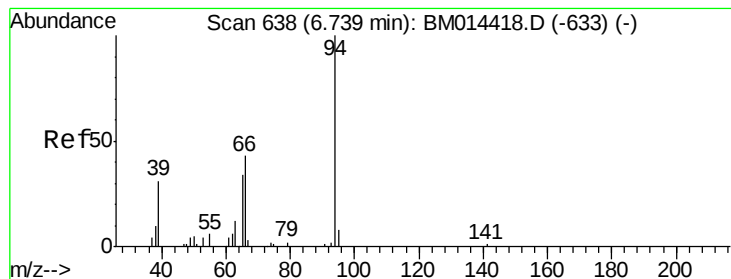
Instrument :
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Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 01 03:03:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(q,h,i)perylene	26.18	276	1434508	45.195	ng/ul#	96

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

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Sample    : J1646-04  
Misc      :  
ALS Vial  : 25      Sample Multiplier: 1
```



#6

Phenol

Concen: 3.556 ng/ul

RT: 6.74 min Scan# 638

Delta R.T. 0.00 min

Lab File: BM014421.D

Acq: 01 Mar 2018 03:21

Instrument :

BNA_M

ClientSampled :

BE5X0

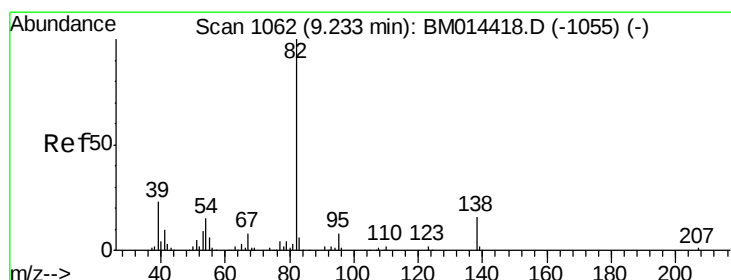
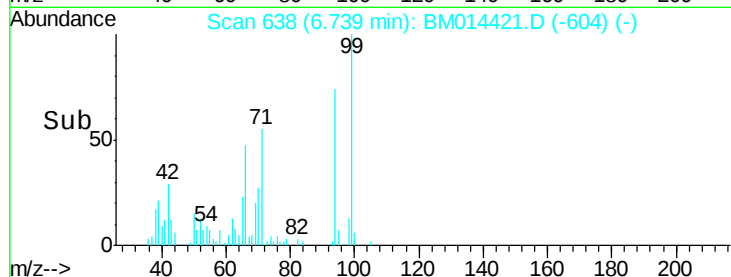
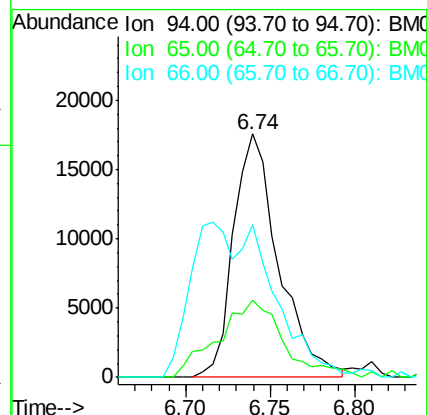
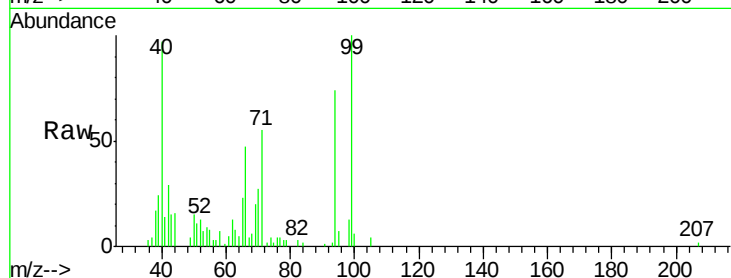
Tot Ion: 94 Resp: 32642

Ion Ratio Lower Upper

94 100

65 31.7 28.2 42.4

66 62.9 47.2 70.8



#21

Isophorone

Concen: 1.035 ng/ul

RT: 9.39 min Scan# 1088

Delta R.T. 0.15 min

Lab File: BM014421.D

Acq: 01 Mar 2018 03:21

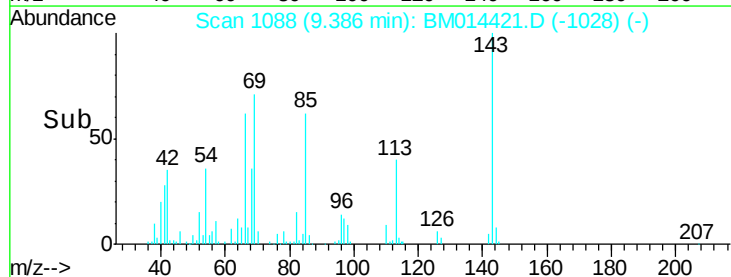
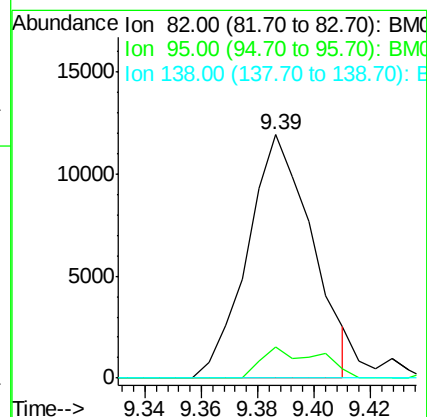
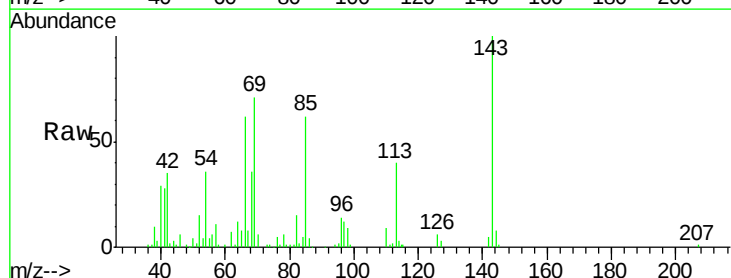
Tgt Ion: 82 Resp: 18940

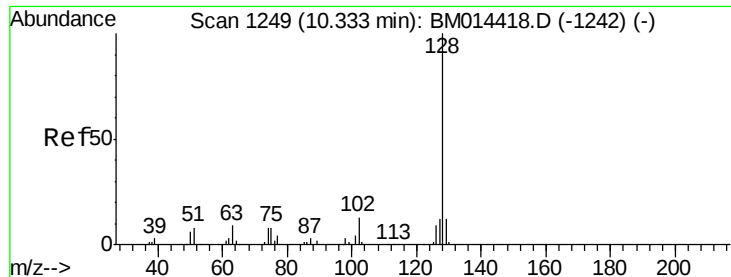
Ion Ratio Lower Upper

82 100

95 13.0 7.8 11.8#

138 0.0 11.9 17.9#





#28

Naphthalene

Concen: 4.216 ng/ul

RT: 10.33 min Scan# 1249

Delta R.T. 0.00 min

Lab File: BM014421.D

Acq: 01 Mar 2018 03:21

Instrument :

BNA_M

ClientSampleId :

BE5X0

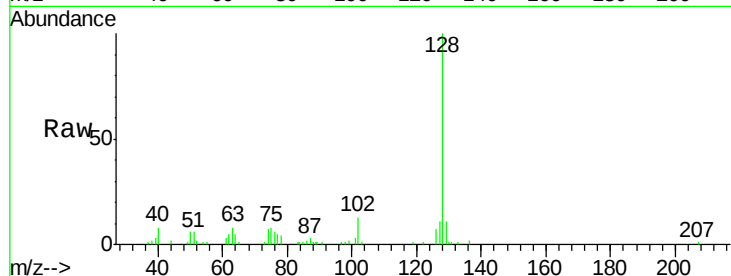
Tot Ion:128 Resp: 105972

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

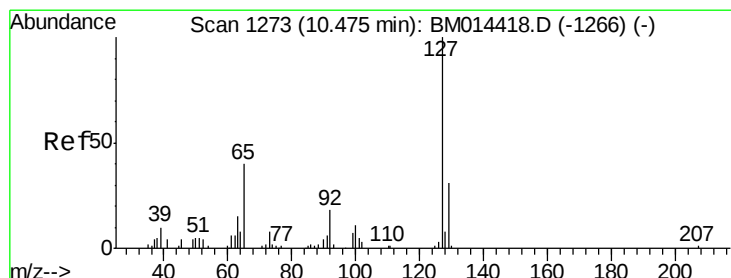
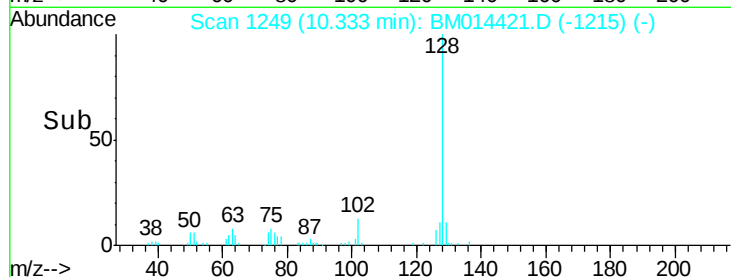
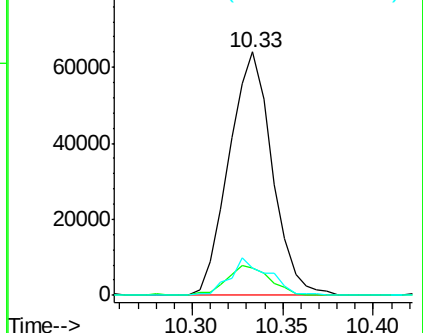
127 11.4 10.6 16.0



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



#30

4-Chloroaniline

Concen: 1.866 ng/ul

RT: 10.33 min Scan# 1248

Delta R.T. -0.15 min

Lab File: BM014421.D

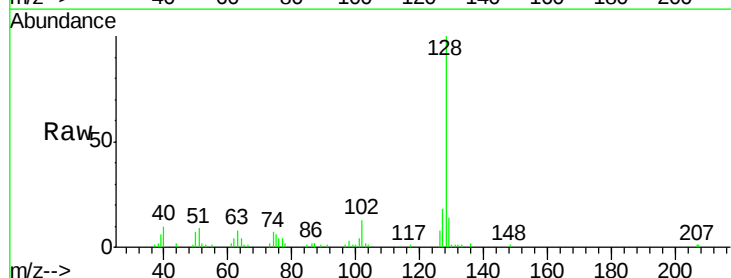
Acq: 01 Mar 2018 03:21

Tgt Ion:127 Resp: 14534

Ion Ratio Lower Upper

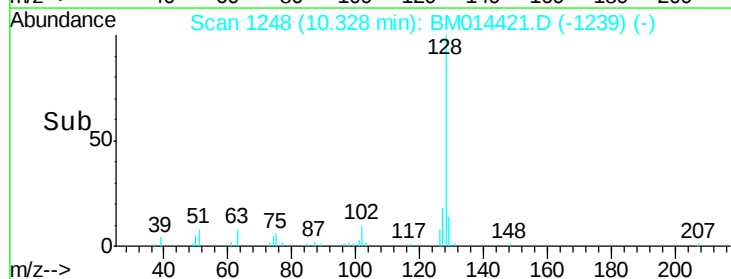
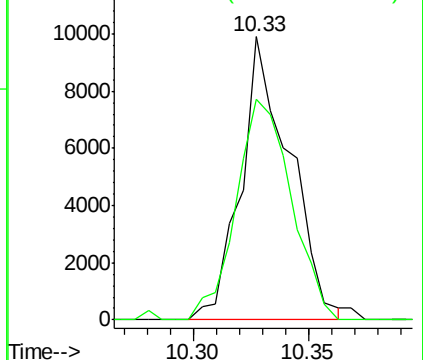
127 100

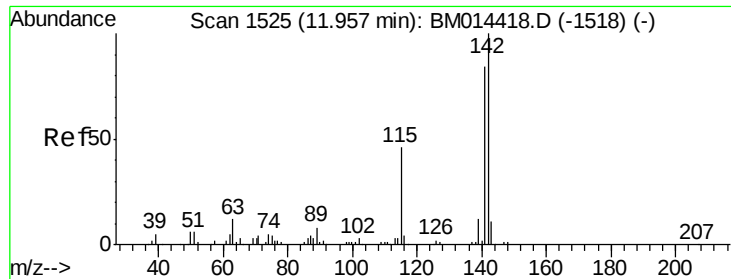
129 77.9 28.4 42.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

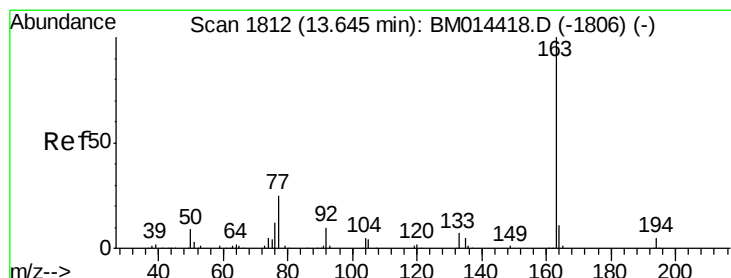
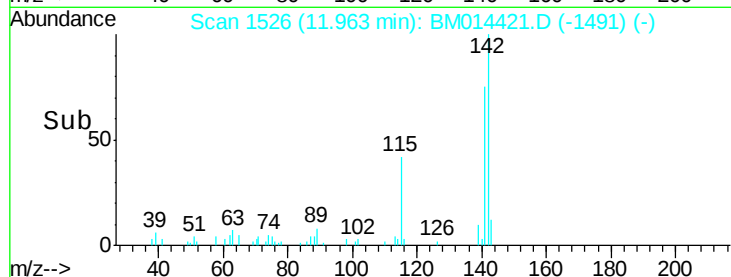
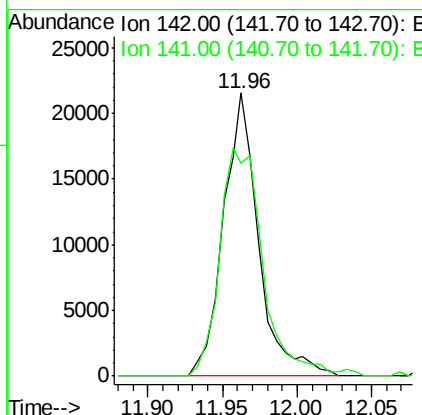
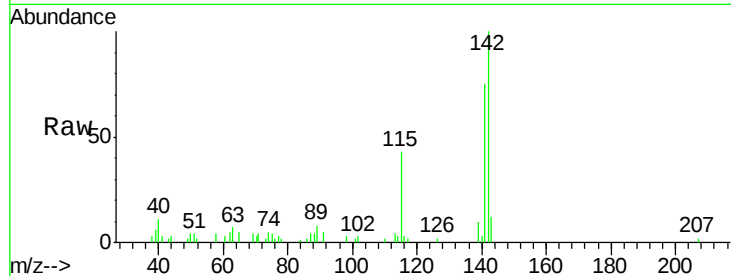




#34
2-Methylnaphthalene
Concen: 1.863 ng/ul
RT: 11.96 min Scan# 1526
Delta R.T. 0.01 min
Lab File: BM014421.D
Acq: 01 Mar 2018 03:21

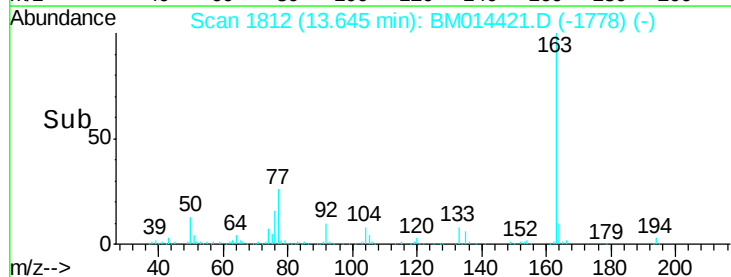
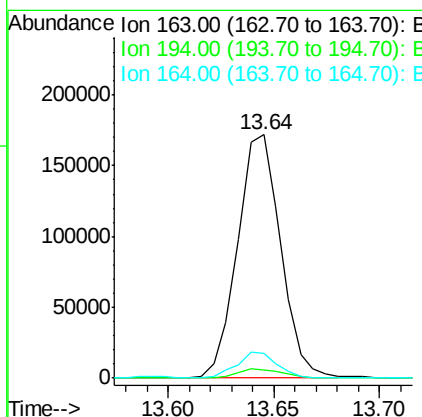
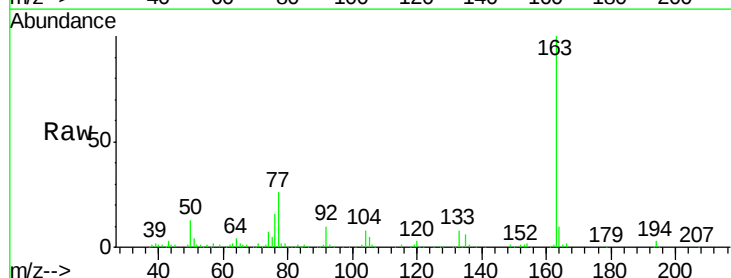
Instrument :
BNA_M
ClientSampleId :
BE5X0

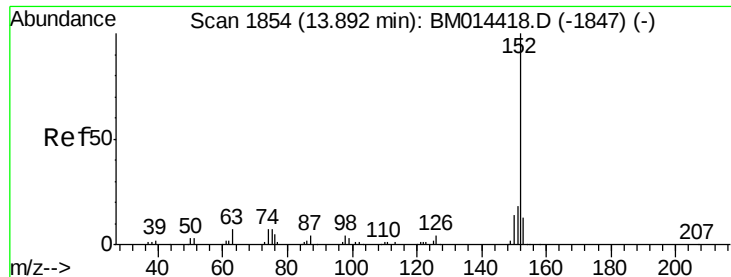
Tot Ion:142 Resp: 35647
Ion Ratio Lower Upper
142 100
141 75.3 74.1 111.1



#44
Dimethylphthalate
Concen: 9.279 ng/ul
RT: 13.64 min Scan# 1812
Delta R.T. 0.00 min
Lab File: BM014421.D
Acq: 01 Mar 2018 03:21

Tgt Ion:163 Resp: 242295
Ion Ratio Lower Upper
163 100
194 3.3 3.5 5.3#
164 10.3 8.2 12.4





#47

Acenaphthylene

Concen: 13.249 ng/ul

RT: 13.89 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BM014421.D

Acq: 01 Mar 2018 03:21

Instrument :

BNA_M

ClientSampleId :

BE5X0

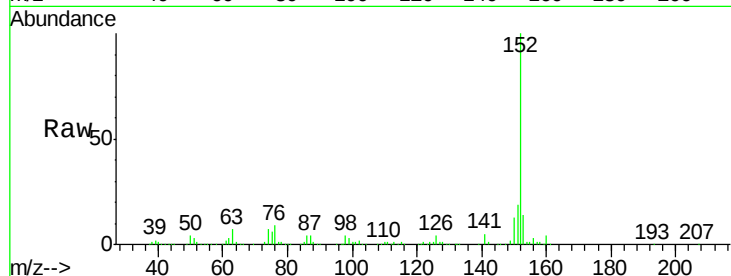
Tot Ion:152 Resp: 408929

Ion Ratio Lower Upper

152 100

151 19.3 16.3 24.5

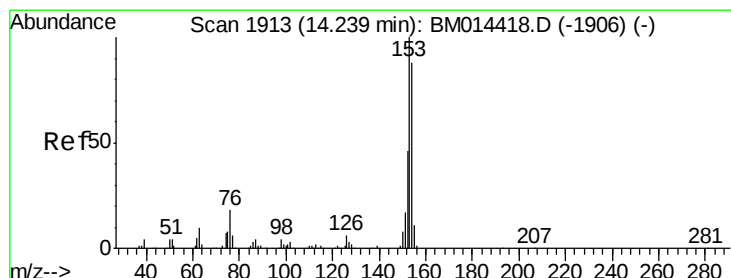
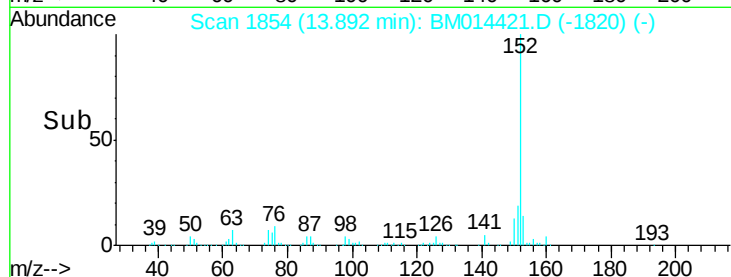
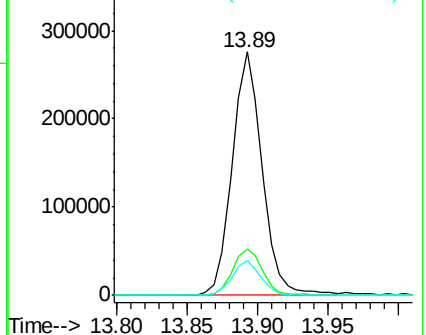
153 14.2 10.2 15.4



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: 8.640 ng/ul

RT: 14.23 min Scan# 1912

Delta R.T. -0.01 min

Lab File: BM014421.D

Acq: 01 Mar 2018 03:21

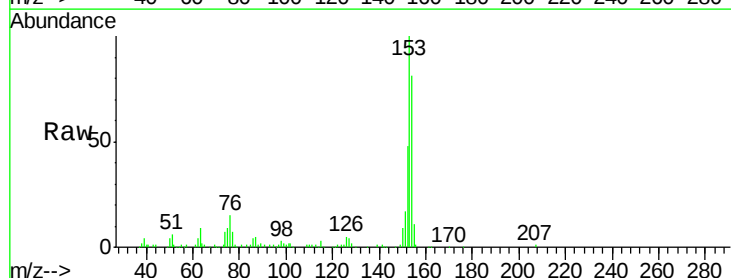
Tgt Ion:153 Resp: 187772

Ion Ratio Lower Upper

153 100

152 47.6 37.6 56.4

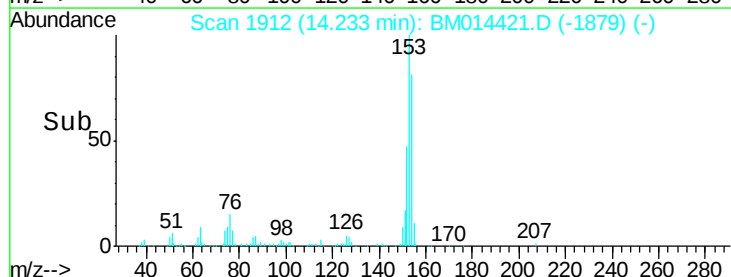
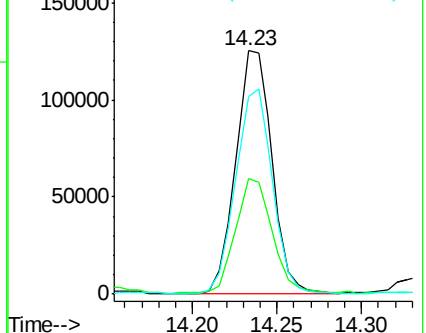
154 81.3 70.4 105.6

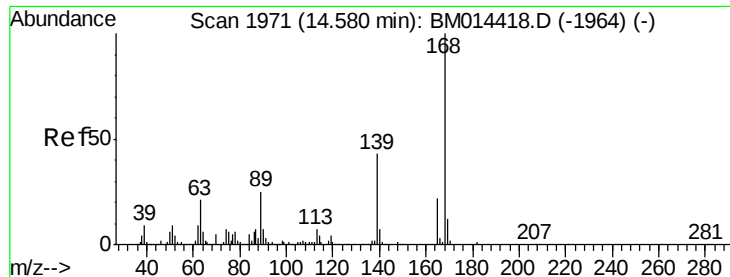


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzofuran

Concen: 4.759 ng/ul

RT: 14.58 min Scan# 1971

Delta R.T. 0.00 min

Lab File: BM014421.D

Acq: 01 Mar 2018 03:21

Instrument :

BNA_M

ClientSampleId :

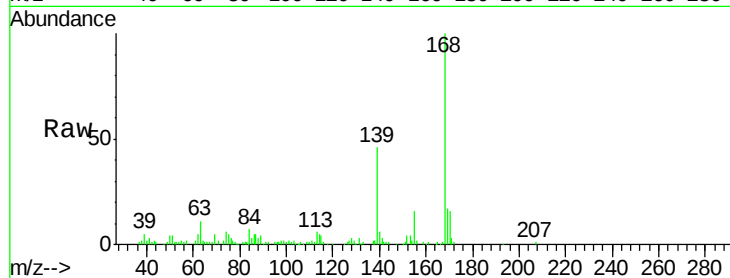
BE5X0

Tot Ion:168 Resp: 155094

Ion Ratio Lower Upper

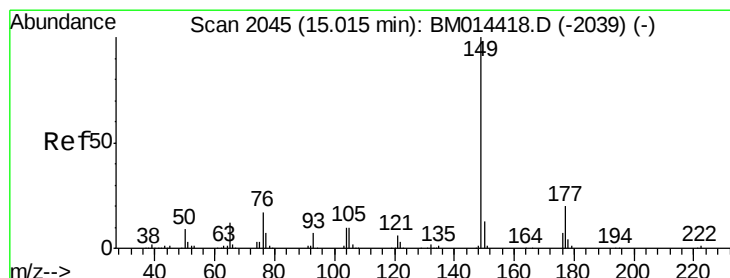
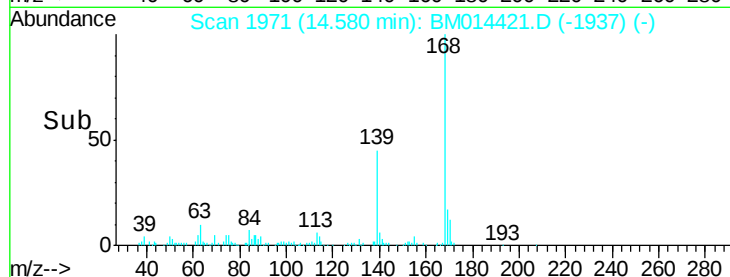
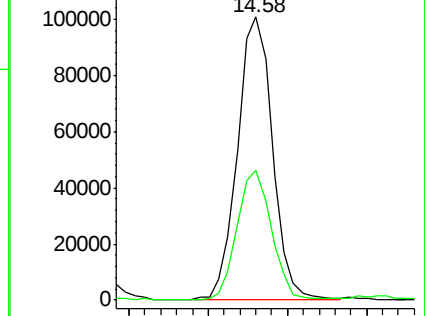
168 100

139 45.9 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#56

Diethylphthalate

Concen: 2.182 ng/ul

RT: 15.02 min Scan# 2045

Delta R.T. 0.00 min

Lab File: BM014421.D

Acq: 01 Mar 2018 03:21

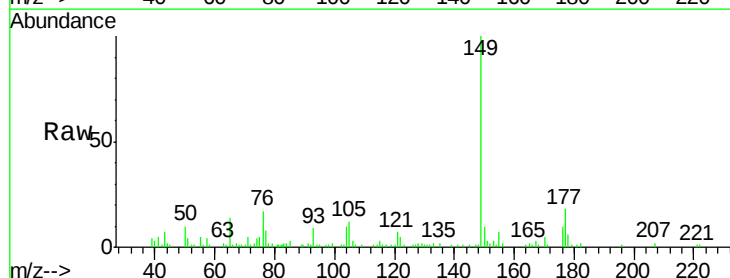
Tgt Ion:149 Resp: 63504

Ion Ratio Lower Upper

149 100

177 17.5 20.5 30.7#

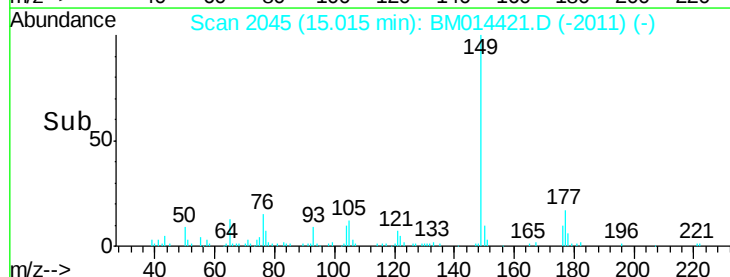
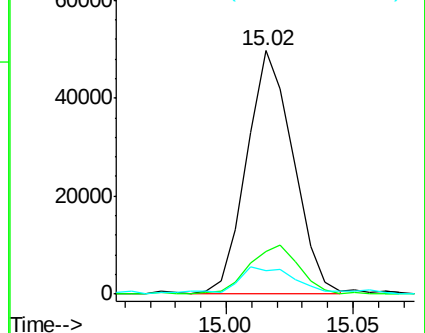
150 9.7 10.6 15.8#

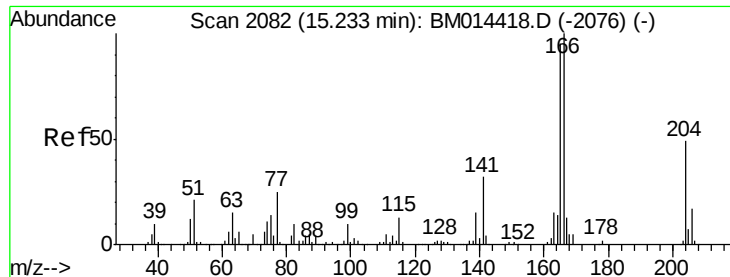


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#58

Fluorene

Concen: 10.316 ng/ul

RT: 15.23 min Scan# 2082

Delta R.T. 0.00 min

Lab File: BM014421.D

Acq: 01 Mar 2018 03:21

Instrument :

BNA_M

ClientSampleId :

BE5X0

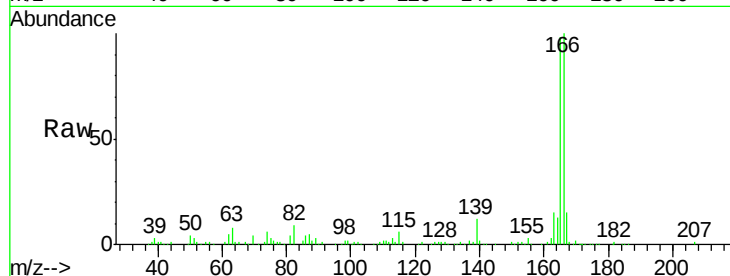
Tot Ion:166 Resp: 290209

Ion Ratio Lower Upper

166 100

165 98.2 77.9 116.9

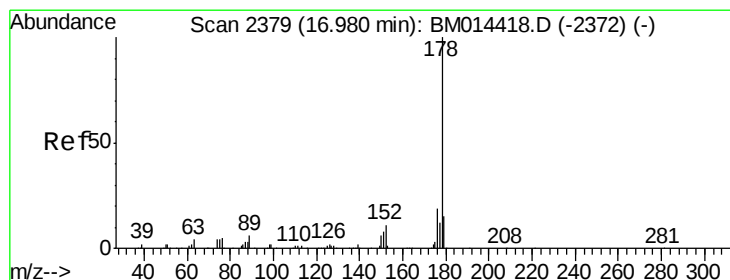
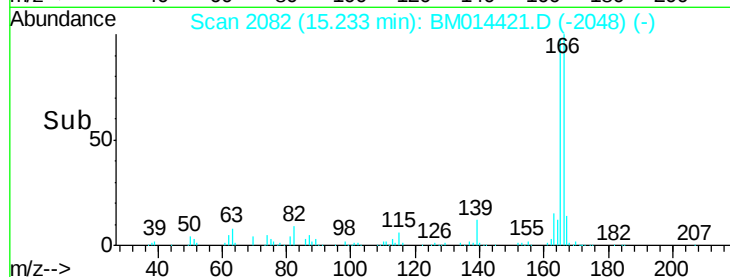
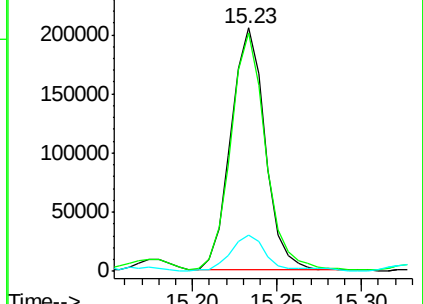
167 14.8 10.6 16.0



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: 126.580 ng/ul

RT: 16.99 min Scan# 2380

Delta R.T. 0.01 min

Lab File: BM014421.D

Acq: 01 Mar 2018 03:21

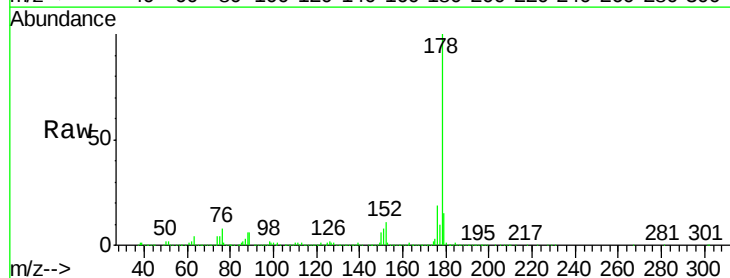
Tgt Ion:178 Resp: 5792909

Ion Ratio Lower Upper

178 100

179 14.9 12.6 19.0

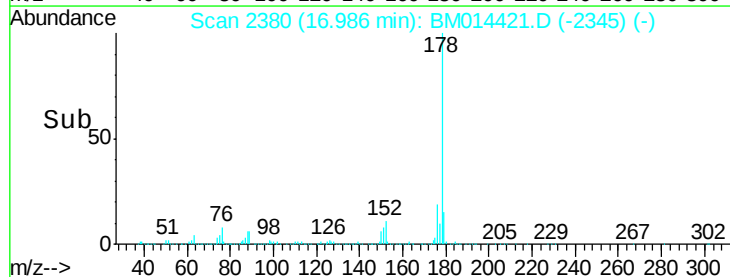
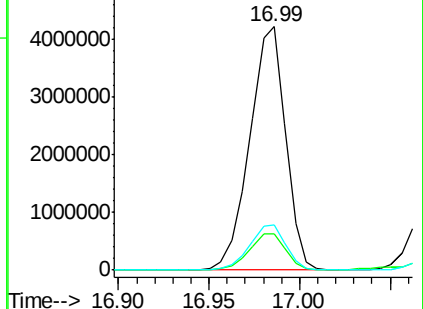
176 18.5 14.9 22.3

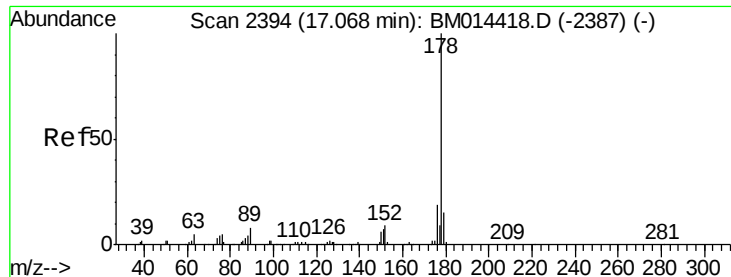


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

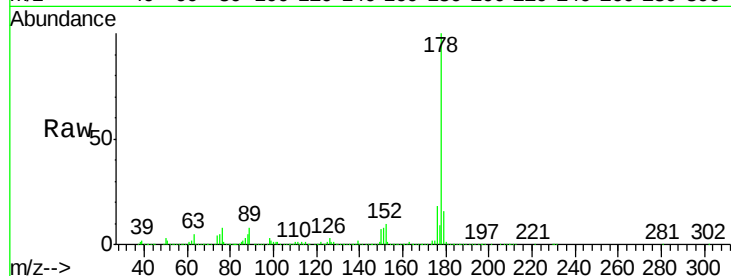




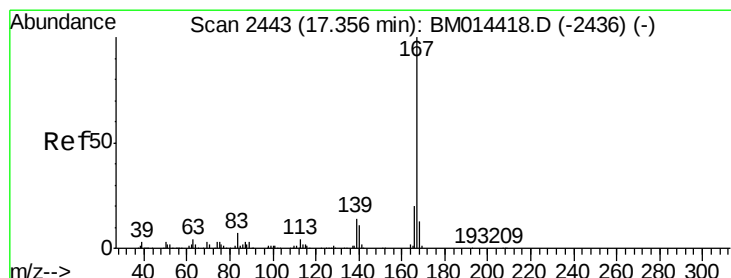
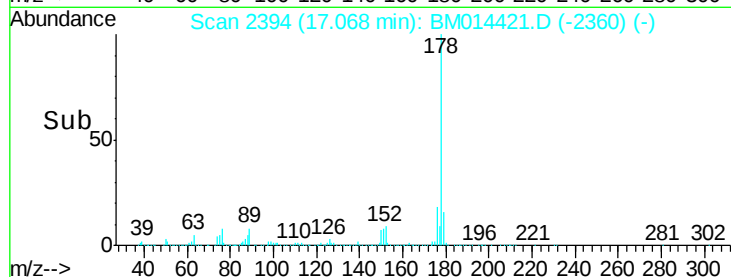
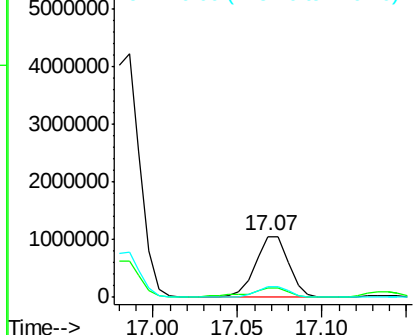
#71
 Anthracene
 Concen: 31.513 ng/ul
 RT: 17.07 min Scan# 2394
 Delta R.T. 0.00 min
 Lab File: BM014421.D
 Acq: 01 Mar 2018 03:21

Instrument :
 BNA_M
 ClientSampled :
 BE5X0

Tot Ion:178 Resp: 1450400
 Ion Ratio Lower Upper
 178 100
 179 15.6 11.7 17.5
 176 18.4 14.6 21.8

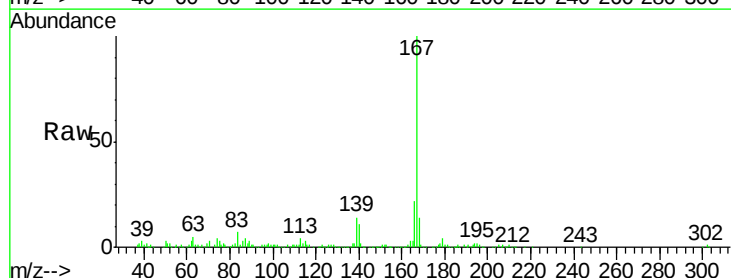


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

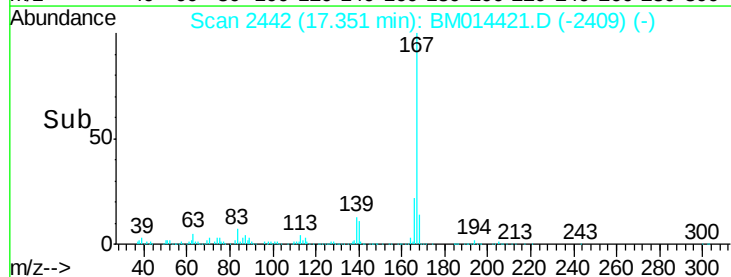
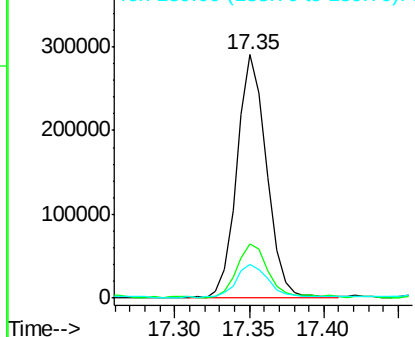


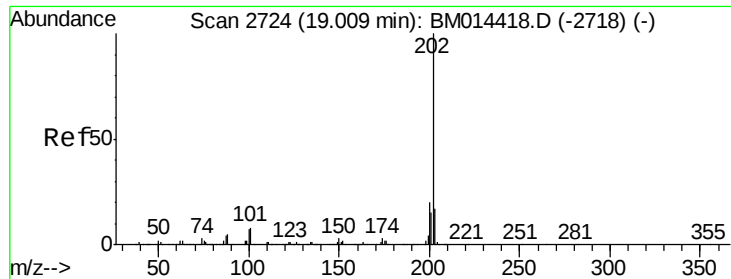
#72
 Carbazole
 Concen: 10.408 ng/ul
 RT: 17.35 min Scan# 2442
 Delta R.T. -0.01 min
 Lab File: BM014421.D
 Acq: 01 Mar 2018 03:21

Tgt Ion:167 Resp: 402815
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.1 25.7
 139 13.7 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: 221.942 ng/ul

RT: 19.02 min Scan# 2726

Delta R.T. 0.01 min

Lab File: BM014421.D

Acq: 01 Mar 2018 03:21

Instrument :

BNA_M

ClientSampled :

BE5X0

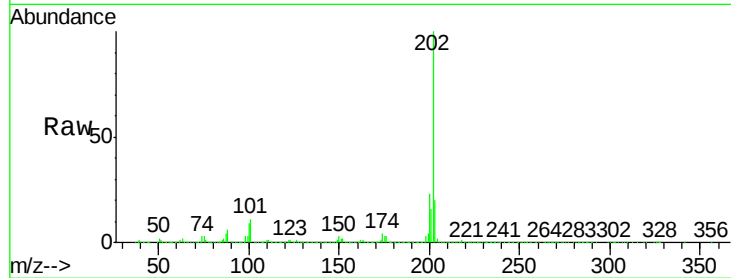
Tot Ion:202 Resp:12135085

Ion Ratio Lower Upper

202 100

101 11.3 4.6 7.0#

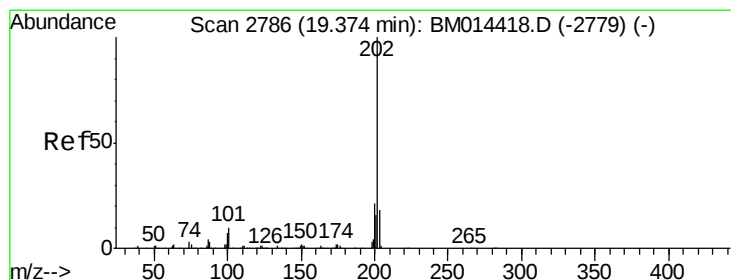
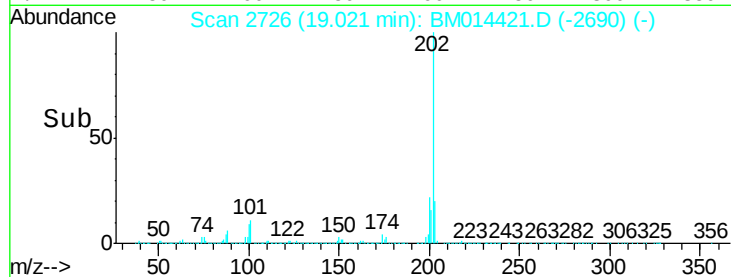
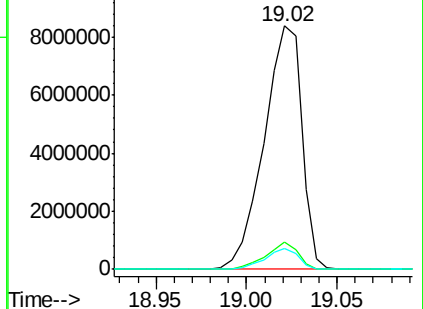
100 8.8 3.4 5.2#



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: 171.269 ng/ul

RT: 19.39 min Scan# 2789

Delta R.T. 0.02 min

Lab File: BM014421.D

Acq: 01 Mar 2018 03:21

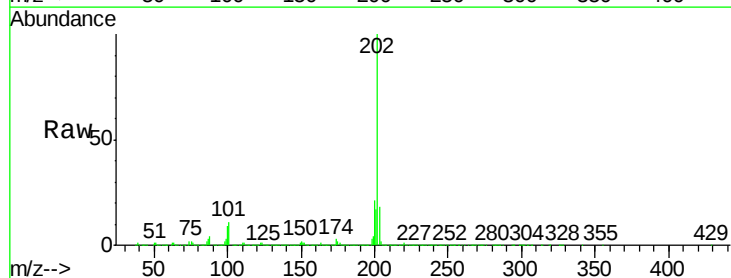
Tgt Ion:202 Resp:10533124

Ion Ratio Lower Upper

202 100

101 10.6 5.1 7.7#

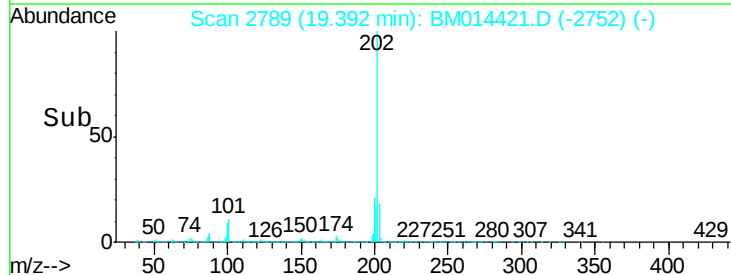
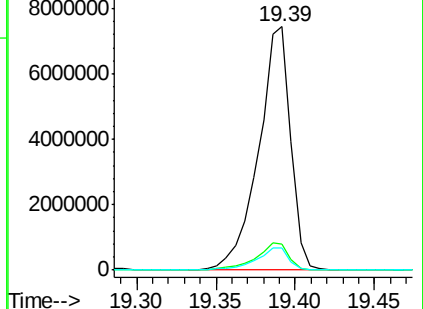
100 9.2 4.9 7.3#

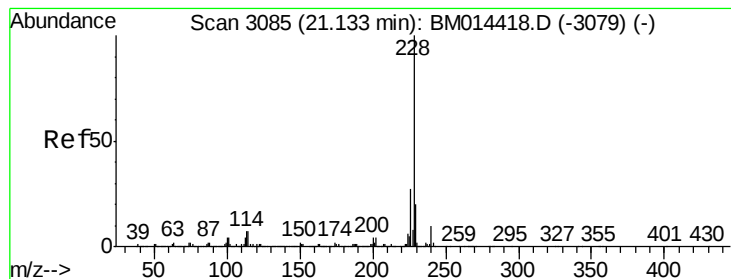


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

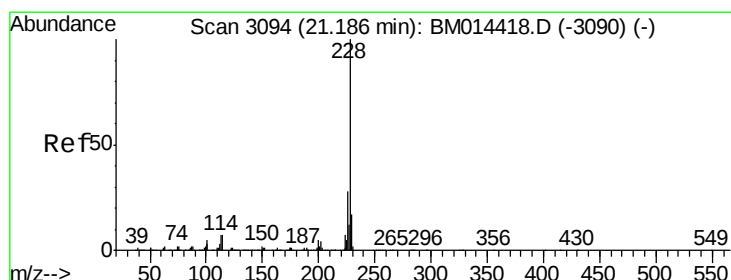
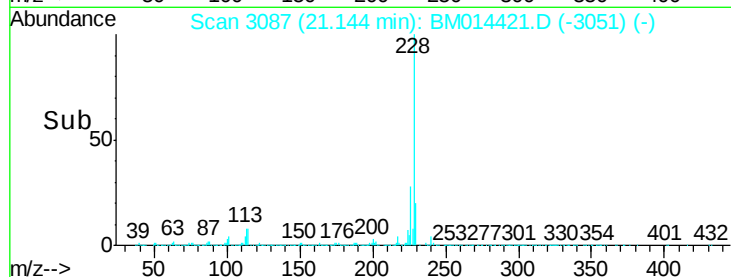
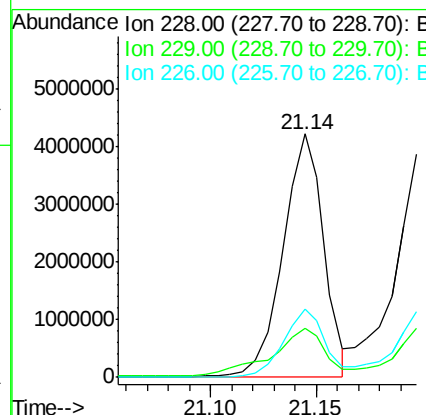
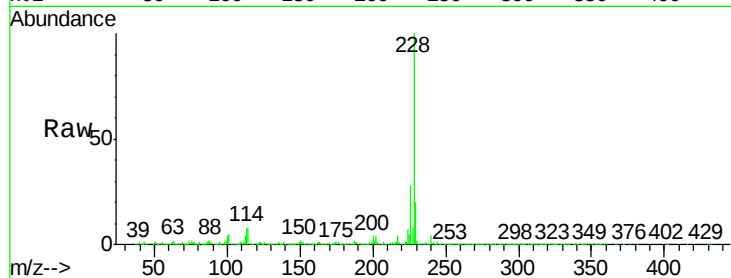




#80
Benzo(a)anthracene
Concen: 96.725 ng/ul
RT: 21.14 min Scan# 3087
Delta R.T. 0.01 min
Lab File: BM014421.D
Acq: 01 Mar 2018 03:21

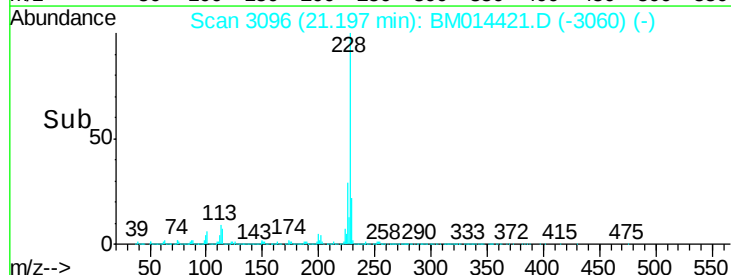
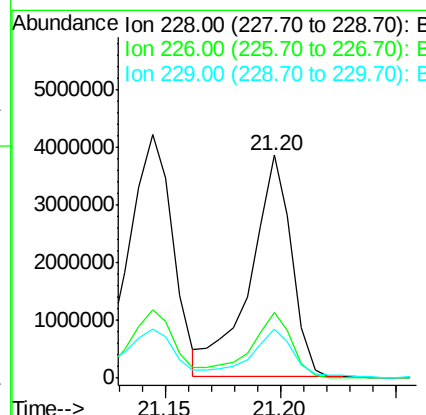
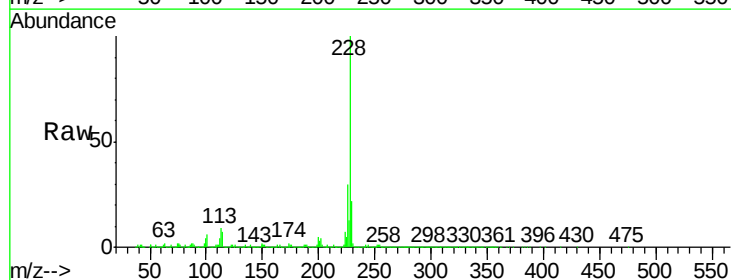
Instrument :
BNA_M
ClientSampleId :
BE5X0

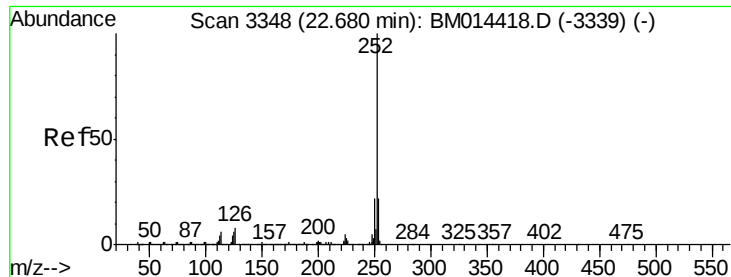
Tot Ion:228 Resp: 5586372
Ion Ratio Lower Upper
228 100
229 20.3 15.4 23.0
226 27.8 21.4 32.0



#82
Chrysene
Concen: 89.249 ng/ul
RT: 21.20 min Scan# 3096
Delta R.T. 0.01 min
Lab File: BM014421.D
Acq: 01 Mar 2018 03:21

Tgt Ion:228 Resp: 4808590
Ion Ratio Lower Upper
228 100
226 29.5 23.4 35.2
229 22.2 15.5 23.3





#85

Benzo(b)fluoranthene

Concen: 126.402 ng/ul

RT: 22.70 min Scan# 3352

Delta R.T. 0.02 min

Lab File: BM014421.D

Acq: 01 Mar 2018 03:21

Instrument :

BNA_M

ClientSampleId :

BE5X0

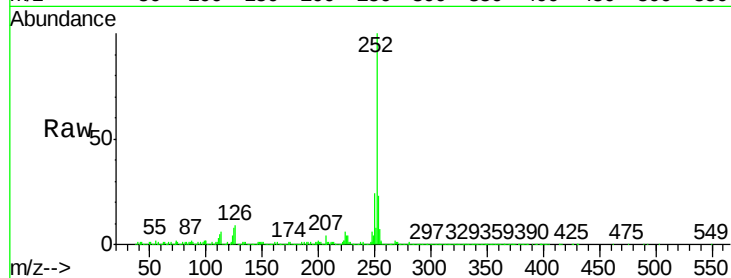
Tot Ion:252 Resp: 5711448

Ion Ratio Lower Upper

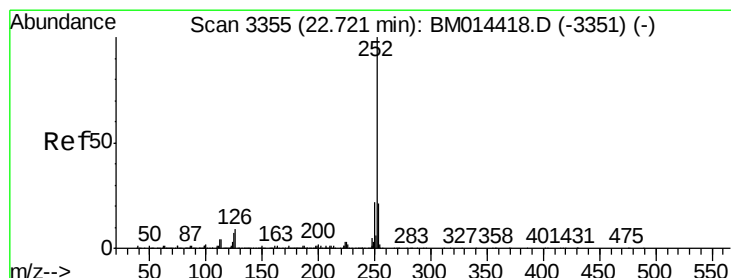
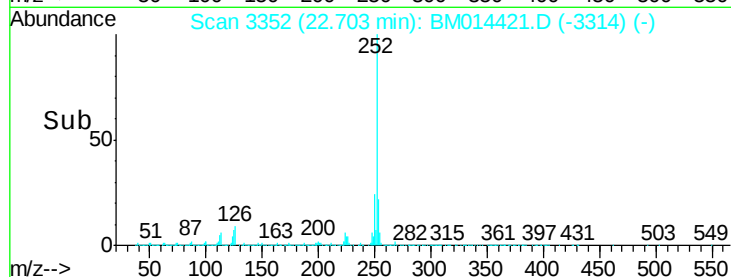
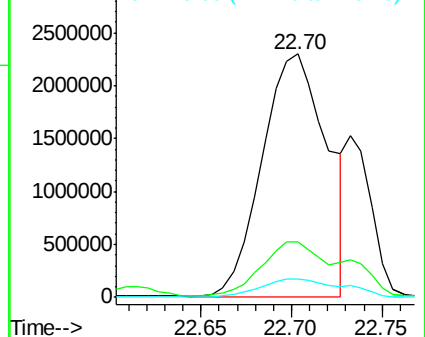
252 100

253 22.9 17.9 26.9

125 7.7 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: 132.948 ng/ul

RT: 22.70 min Scan# 3352

Delta R.T. -0.02 min

Lab File: BM014421.D

Acq: 01 Mar 2018 03:21

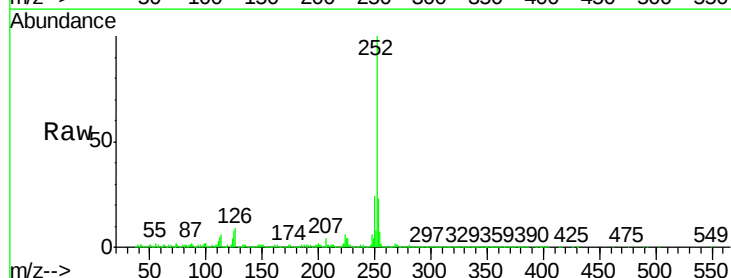
Tgt Ion:252 Resp: 5711448

Ion Ratio Lower Upper

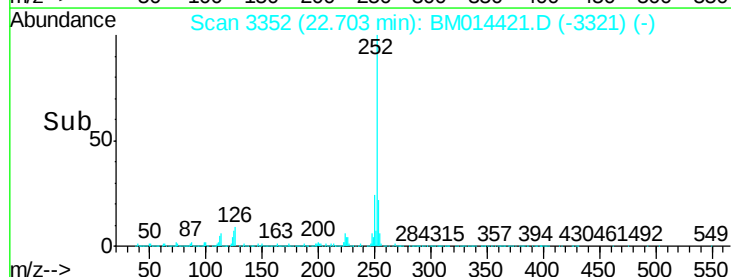
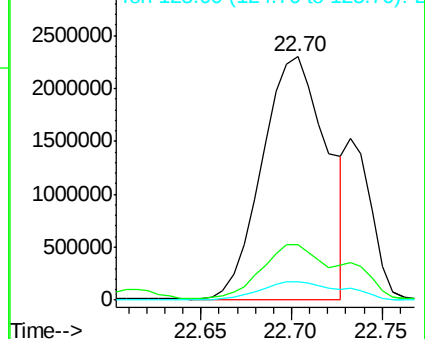
252 100

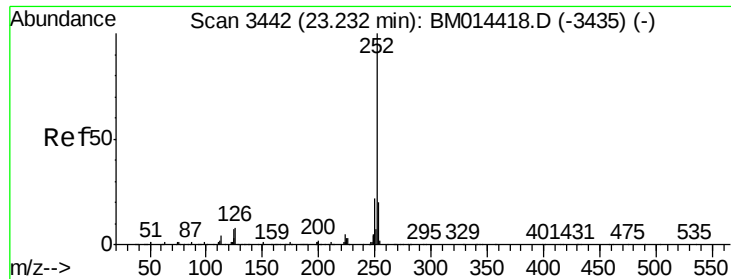
253 22.9 17.1 25.7

125 7.7 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: 94.453 ng/ul

RT: 23.26 min Scan# 3446

Delta R.T. 0.02 min

Lab File: BM014421.D

Acq: 01 Mar 2018 03:21

Instrument :

BNA_M

ClientSampleId :

BE5X0

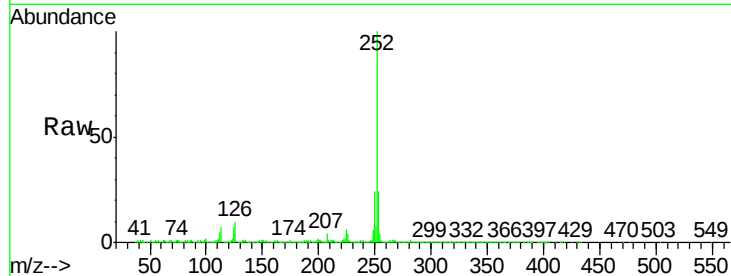
Tot Ion:252 Resp: 3813752

Ion Ratio Lower Upper

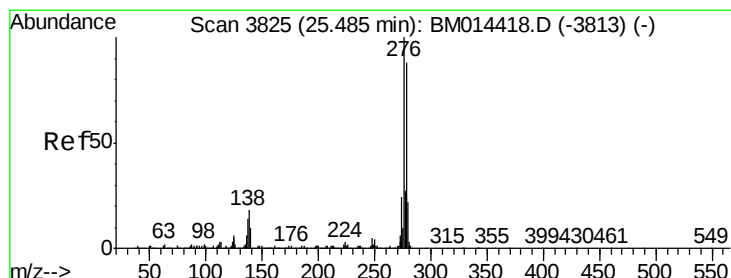
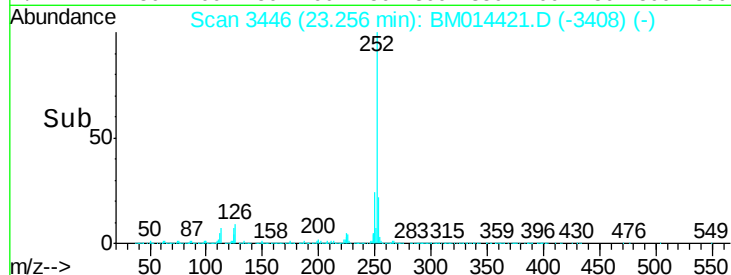
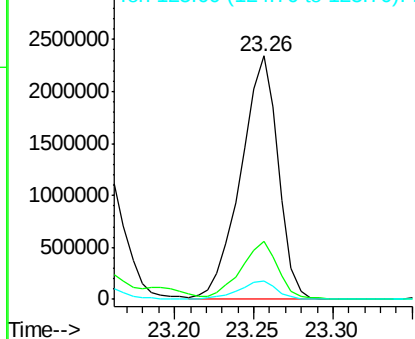
252 100

253 23.7 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



#89

Indeno(1,2,3-cd)pyrene

Concen: 53.658 ng/ul

RT: 25.52 min Scan# 3831

Delta R.T. 0.04 min

Lab File: BM014421.D

Acq: 01 Mar 2018 03:21

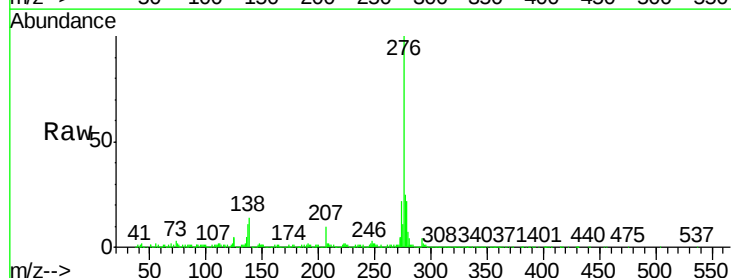
Tgt Ion:276 Resp: 2102384

Ion Ratio Lower Upper

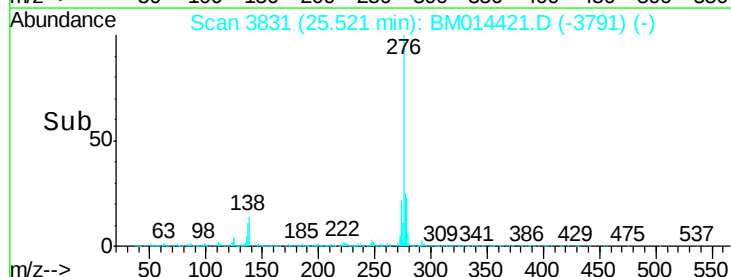
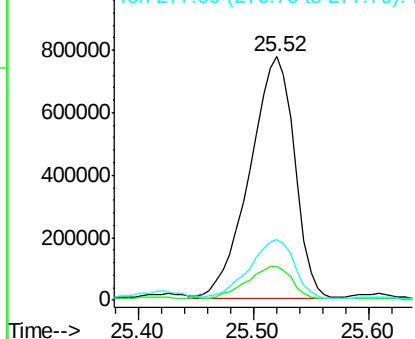
276 100

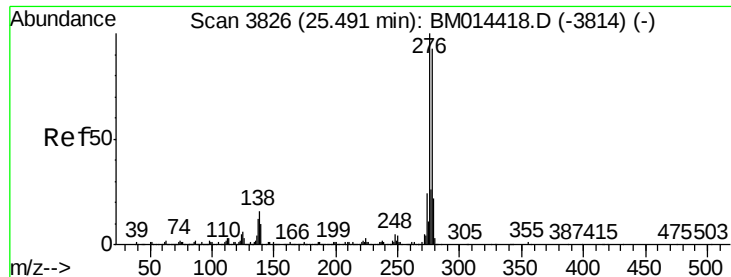
138 14.0 9.3 13.9#

277 24.9 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: 17.570 ng/ul

RT: 25.51 min Scan# 3829

Delta R.T. 0.02 min

Lab File: BM014421.D

Acq: 01 Mar 2018 03:21

Instrument :

BNA_M

ClientSampleId :

BE5X0

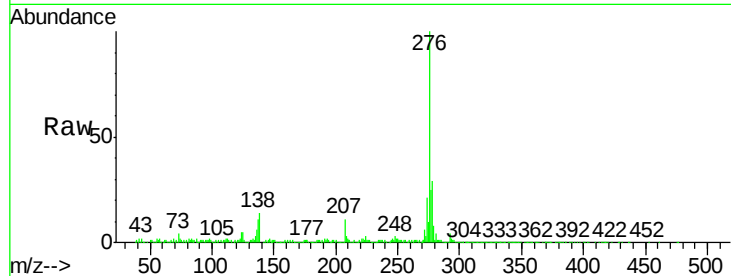
Tot Ion:278 Resp: 572032

Ion Ratio Lower Upper

278 100

139 0.0 5.8 8.8#

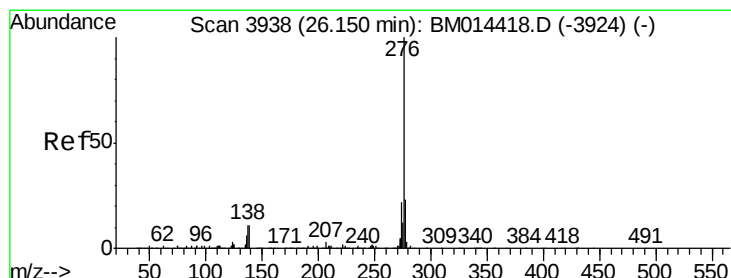
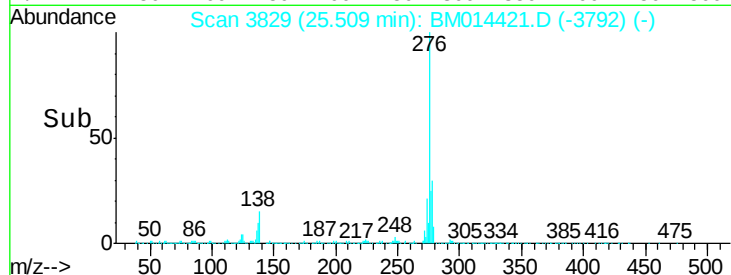
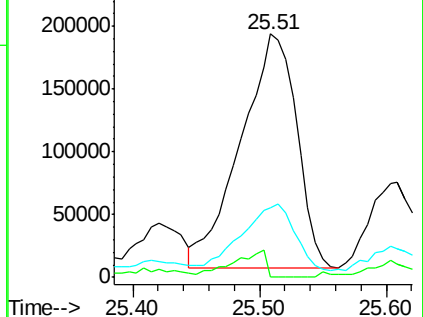
279 28.8 18.6 27.8#



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: 45.195 ng/ul

RT: 26.18 min Scan# 3943

Delta R.T. 0.03 min

Lab File: BM014421.D

Acq: 01 Mar 2018 03:21

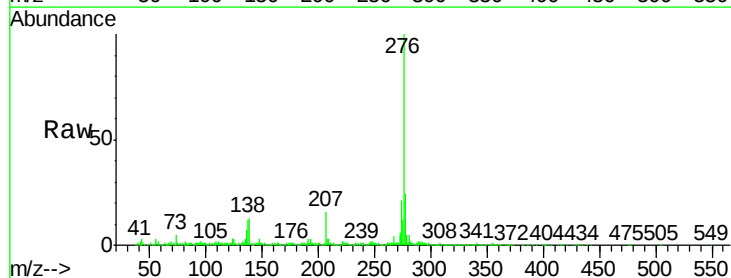
Tgt Ion:276 Resp: 1434508

Ion Ratio Lower Upper

276 100

138 13.3 8.5 12.7#

277 24.5 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

