

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031318\
 Data File : BM014560.D
 Acq On : 14 Mar 2018 01:29
 Operator : SJ/JU
 Sample : J1813-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6F21

Quant Time: Mar 14 03:57:51 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 14 02:08:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	132899	20.00	ng/ul	0.00
18) Naphthalene-d8	10.25	136	550586	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.14	164	281948	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.92	188	484038	20.00	ng/ul	0.01
75) Chrysene-d12	21.14	240	324745	20.00	ng/ul	0.01
83) Perylene-d12	23.31	264	324203	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.05	96	9023	2.91	ng/uL	0.00
5) Phenol-d5	6.70	99	302912	26.97	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.83	67	187889	27.63	ng/ul	0.00
9) 2-Chlorophenol-d4	7.03	132	256696	29.80	ng/ul	0.01
13) 4-Methylphenol-d8	8.22	113	251810	25.62	ng/ul	0.01
19) Nitrobenzene-d5	8.65	128	130851	32.16	ng/ul	0.01
22) 2-Nitrophenol-d4	9.36	143	140655	33.40	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.92	165	268541	30.79	ng/ul	0.02
29) 4-Chloroaniline-d4	10.43	131	161703	18.82	ng/ul	0.01
43) Dimethylphthalate-d6	13.57	166	837900	35.99	ng/ul	0.00
46) Acenaphthylene-d8	13.84	160	976259	34.00	ng/ul	0.01
51) 4-Nitrophenol-d4	14.47	143	58847	18.31	ng/ul	0.00
57) Fluorene-d10	15.15	176	618864	29.67	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.34	200	26634	9.17	ng/ul	0.00
70) Anthracene-d10	17.02	188	779758	33.39	ng/ul	0.01
76) Pyrene-d10	19.33	212	624009	37.26	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.18	264	524029	33.21	ng/ul	0.02

Target Compounds

					Ovalue	
28) Naphthalene	10.30	128	135934	4.807	ng/ul	96
30) 4-Chloroaniline	10.29	127	17831	2.035	ng/ul#	35
34) 2-Methylnaphthalene	11.93	142	38592	1.793	ng/ul	98
44) Dimethylphthalate	13.62	163	114657	4.994	ng/ul#	96
47) Acenaphthylene	13.87	152	28697	1.057	ng/ul	95
49) Acenaphthene	14.21	153	134896	7.059	ng/ul	94
53) Dibenzofuran	14.56	168	71522	2.496	ng/ul	98
58) Fluorene	15.21	166	95677	3.868	ng/ul#	99
69) Phenanthrene	16.96	178	997030	35.751	ng/ul	98
71) Anthracene	17.05	178	252350	8.997	ng/ul	98
72) Carbazole	17.34	167	131784	5.588	ng/ul#	96
74) Fluoranthene	18.99	202	1102699	33.095	ng/ul#	97
77) Pyrene	19.36	202	887878	41.140	ng/ul	97
80) Benzo(a)anthracene	21.12	228	538743	26.582	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.04	149	39327	3.077	ng/ul#	95
82) Chrysene	21.17	228	499200	26.403	ng/ul	95
85) Benzo(b)fluoranthene	22.67	252	767654	35.363	ng/ul#	98
86) Benzo(k)fluoranthene	22.71	252	212819	10.311	ng/ul#	96
88) Benzo(a)pyrene	23.22	252	507651	26.170	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	25.48	276	357363	18.985	ng/ul	100
90) Dibenzo(a,h)anthracene	25.47	278	105292	6.732	ng/ul#	80
91) Benzo(a,h,i)perylene	26.15	276	315496	20.690	ng/ul#	92

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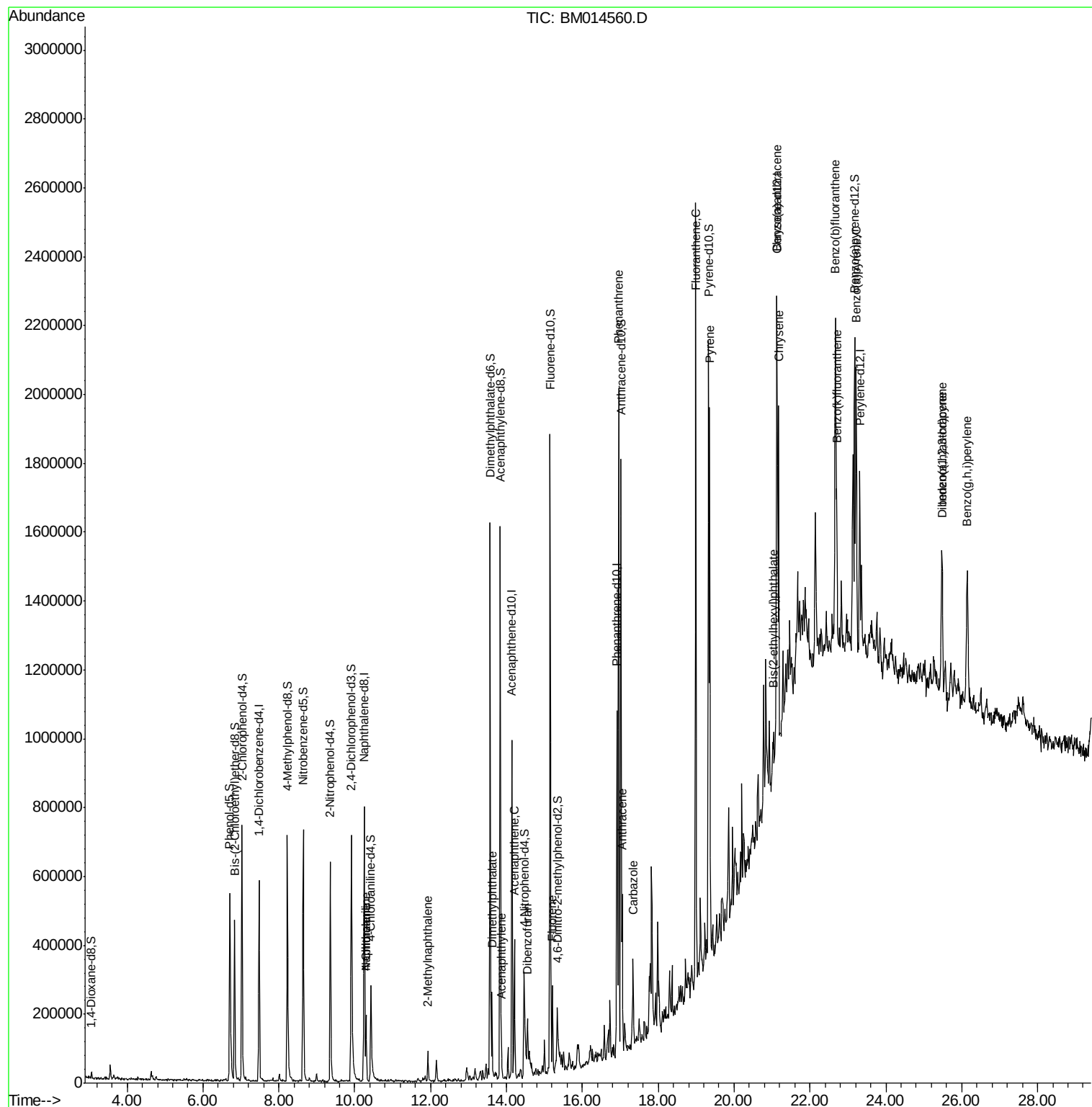
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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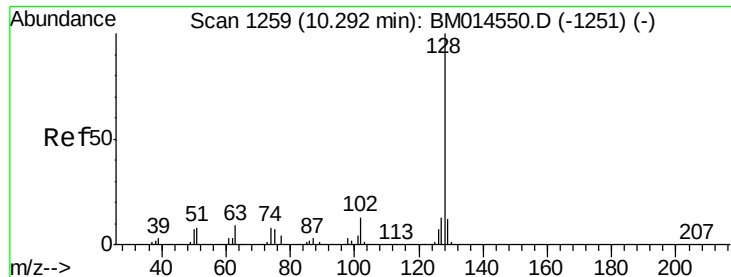
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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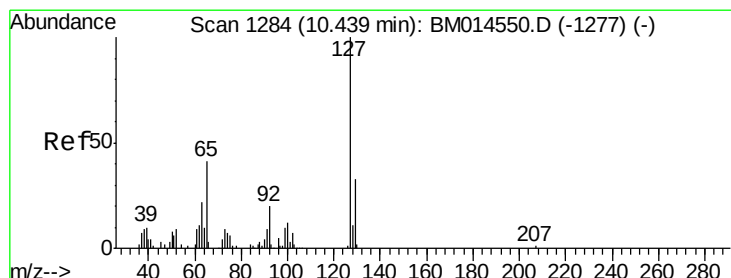
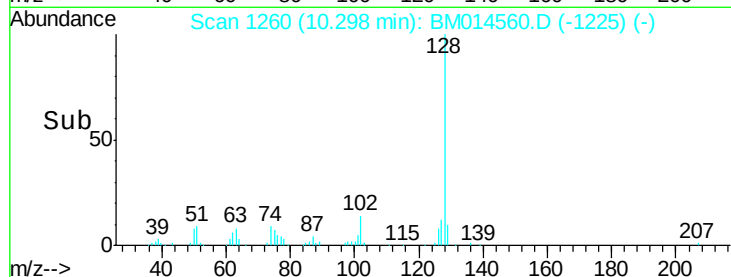
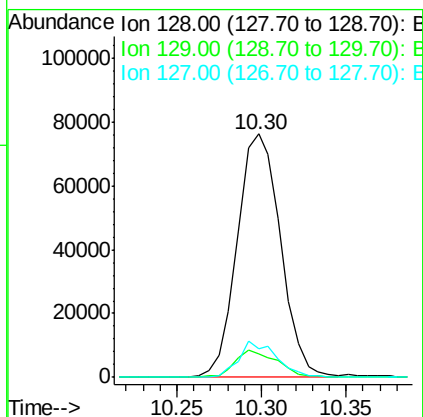
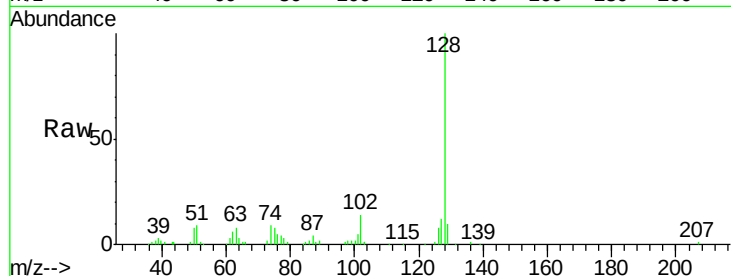




#28
Naphthalene
Concen: 4.807 ng/ul
RT: 10.30 min Scan# 1260
Delta R.T. 0.01 min
Lab File: BM014560.D
Acq: 14 Mar 2018 01:29

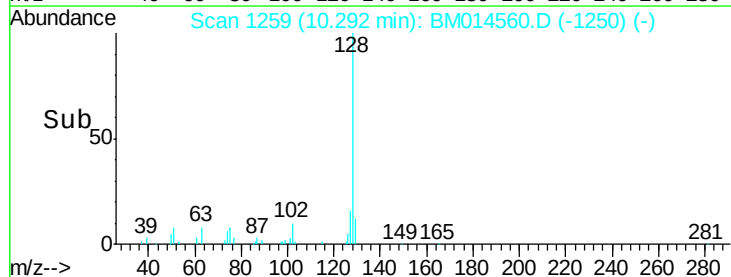
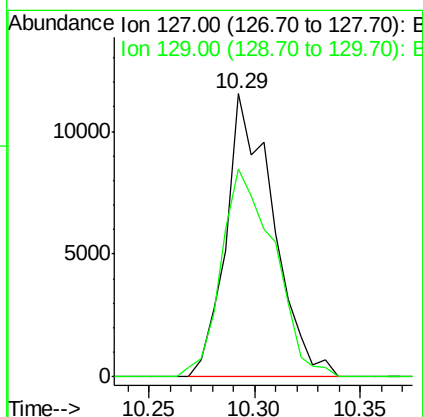
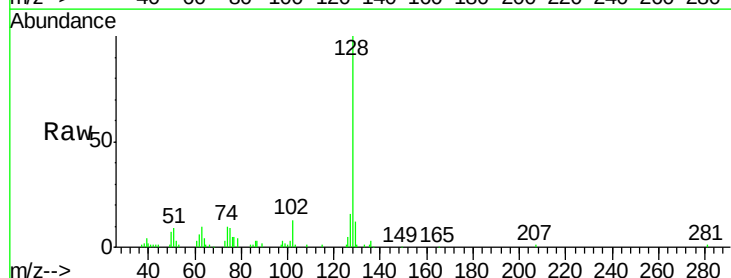
Instrument :
BNA_M
ClientSampleId :
F6F21

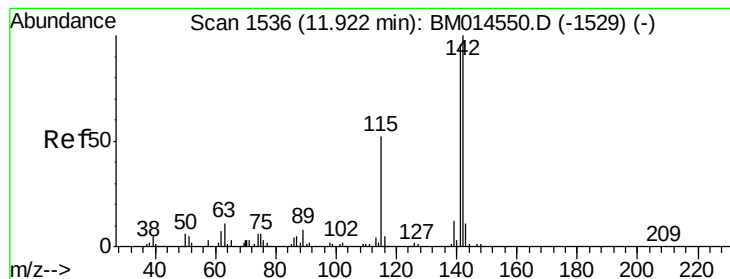
Tot Ion:128 Resp: 135934
Ion Ratio Lower Upper
128 100
129 9.7 8.8 13.2
127 11.9 10.6 16.0



#30
4-Chloroaniline
Concen: 2.035 ng/ul
RT: 10.29 min Scan# 1259
Delta R.T. -0.15 min
Lab File: BM014560.D
Acq: 14 Mar 2018 01:29

Tgt Ion:127 Resp: 17831
Ion Ratio Lower Upper
127 100
129 73.5 28.4 42.6#





#34

2-Methylnaphthalene

Concen: 1.793 ng/ul

RT: 11.93 min Scan# 1537

Delta R.T. 0.01 min

Lab File: BM014560.D

Acq: 14 Mar 2018 01:29

Instrument :

BNA_M

ClientSampleId :

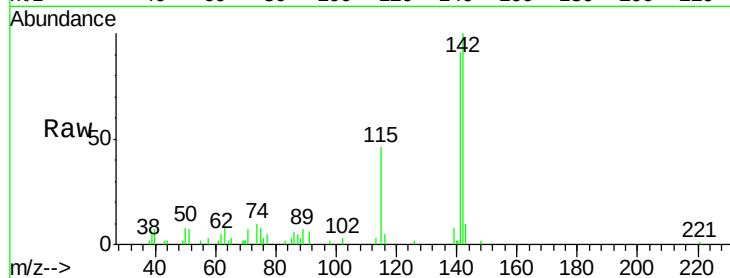
F6F21

Tot Ion:142 Resp: 38592

Ion Ratio Lower Upper

142 100

141 91.0 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

25000

20000

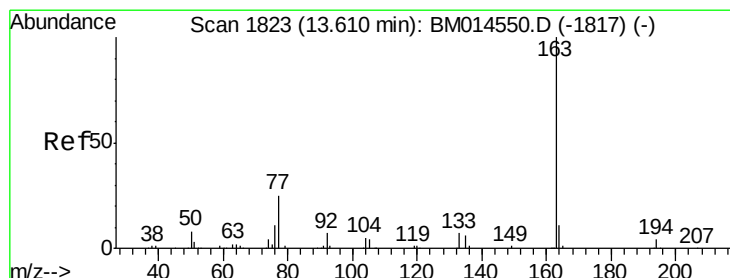
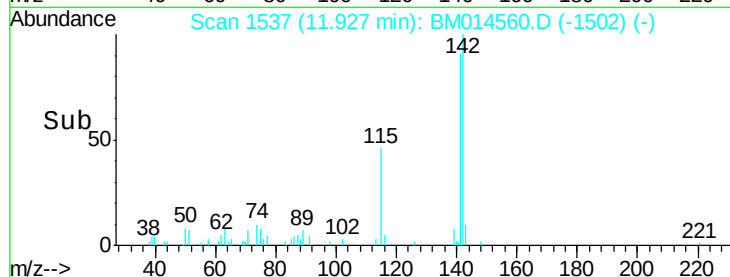
15000

10000

5000

0

Time--> 11.90 11.95 12.00



#44

Dimethylphthalate

Concen: 4.994 ng/ul

RT: 13.62 min Scan# 1824

Delta R.T. 0.01 min

Lab File: BM014560.D

Acq: 14 Mar 2018 01:29

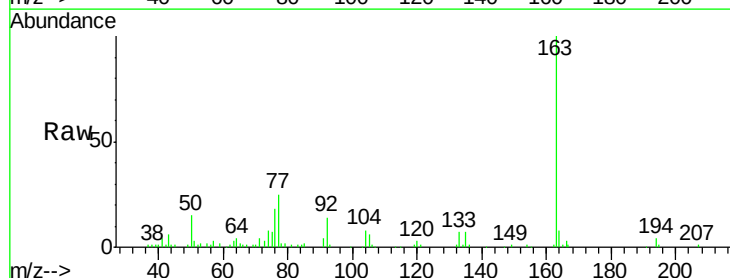
Tgt Ion:163 Resp: 114657

Ion Ratio Lower Upper

163 100

194 4.2 3.5 5.3

164 8.2 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

100000

80000

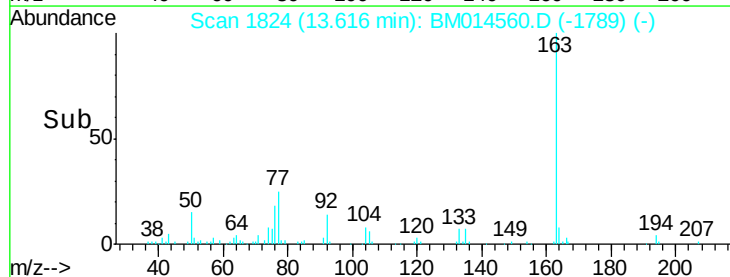
60000

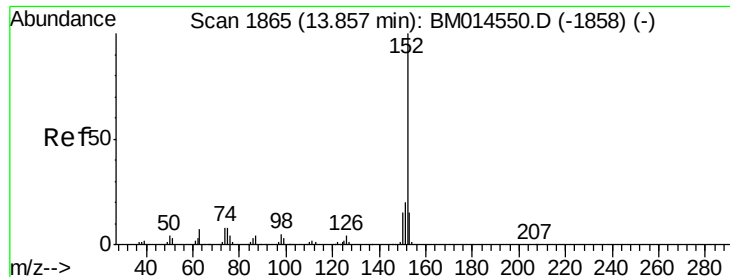
40000

20000

0

Time--> 13.55 13.60 13.65





#47

Acenaphthylene

Concen: 1.057 ng/ul

RT: 13.87 min Scan# 1867

Delta R.T. 0.01 min

Lab File: BM014560.D

Acq: 14 Mar 2018 01:29

Instrument :

BNA_M

ClientSampleId :

F6F21

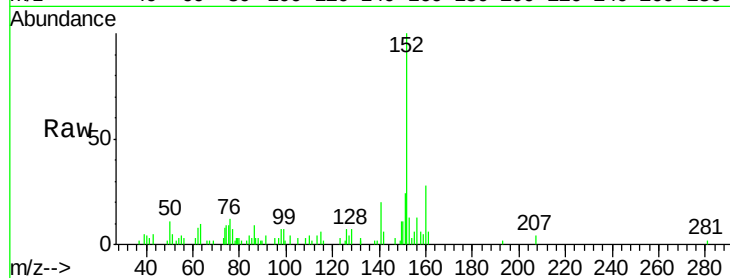
Tot Ion:152 Resp: 28697

Ion Ratio Lower Upper

152 100

151 23.8 16.3 24.5

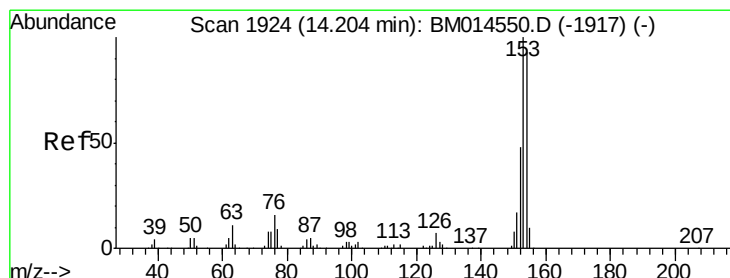
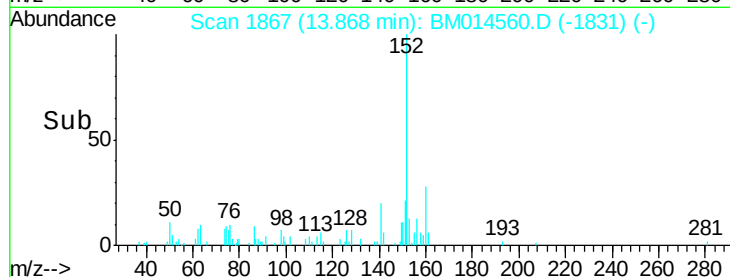
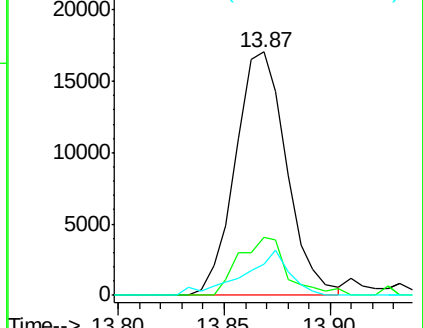
153 12.7 10.2 15.4



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: 7.059 ng/ul

RT: 14.21 min Scan# 1925

Delta R.T. 0.01 min

Lab File: BM014560.D

Acq: 14 Mar 2018 01:29

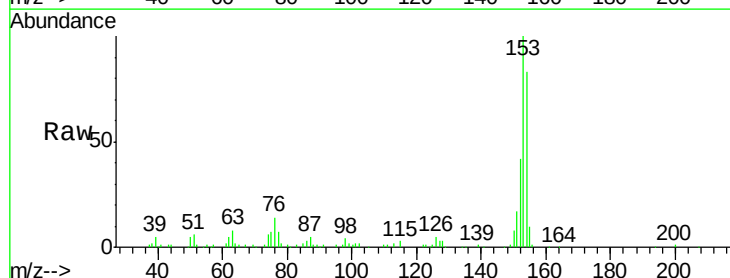
Tgt Ion:153 Resp: 134896

Ion Ratio Lower Upper

153 100

152 42.3 37.6 56.4

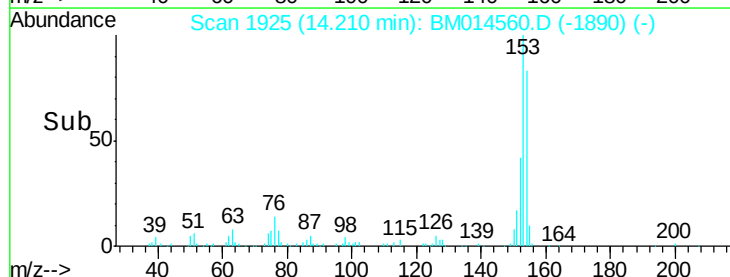
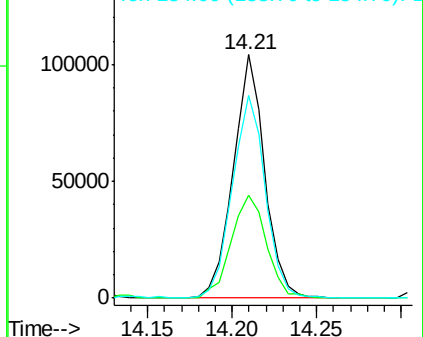
154 83.4 70.4 105.6

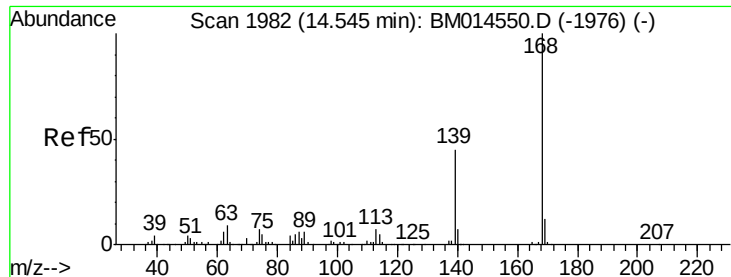


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 2.496 ng/ul

RT: 14.56 min Scan# 1984

Delta R.T. 0.01 min

Lab File: BM014560.D

Acq: 14 Mar 2018 01:29

Instrument :

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ClientSampleId :

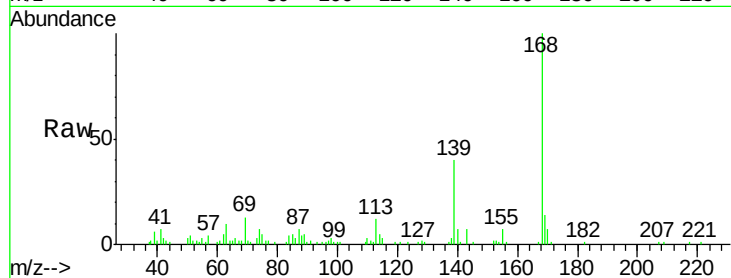
F6F21

Tot Ion:168 Resp: 71522

Ion Ratio Lower Upper

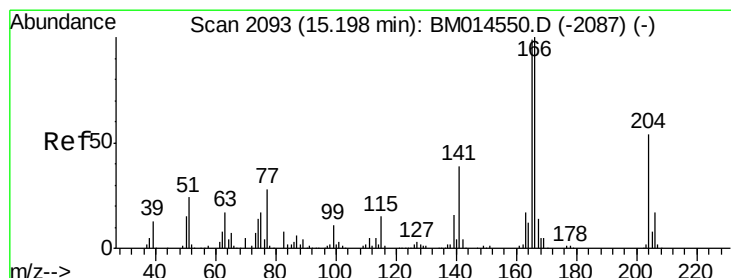
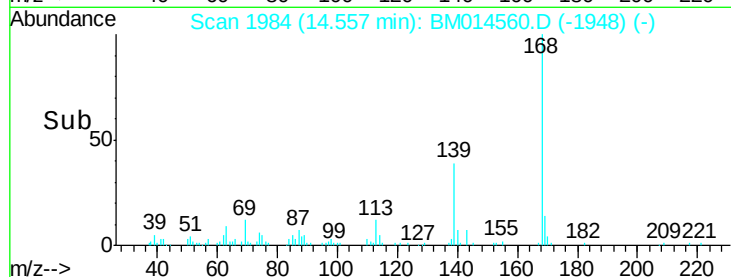
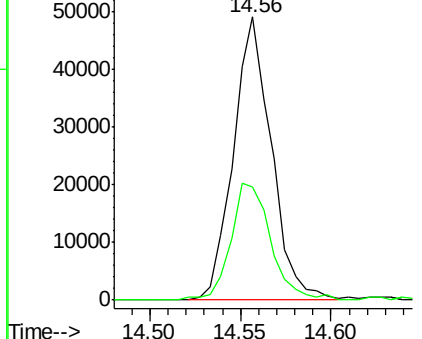
168 100

139 39.9 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: 3.868 ng/ul

RT: 15.21 min Scan# 2095

Delta R.T. 0.01 min

Lab File: BM014560.D

Acq: 14 Mar 2018 01:29

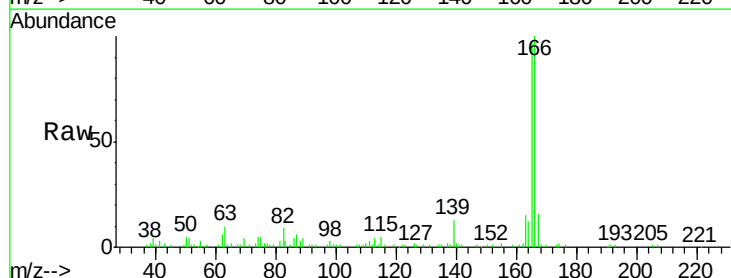
Tgt Ion:166 Resp: 95677

Ion Ratio Lower Upper

166 100

165 97.3 77.9 116.9

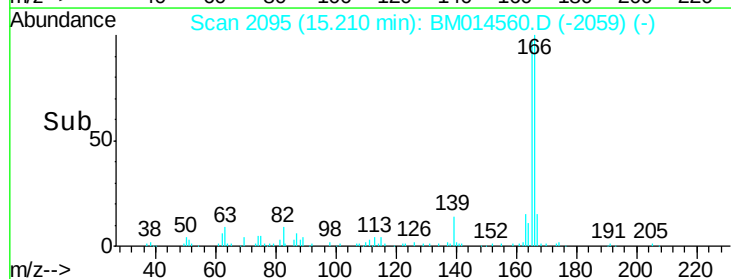
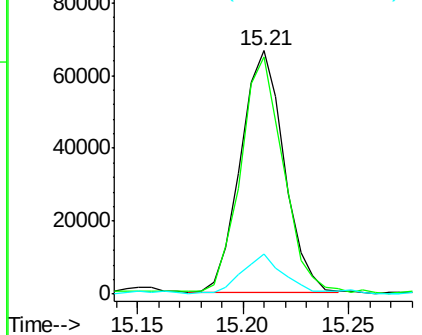
167 16.5 10.6 16.0#

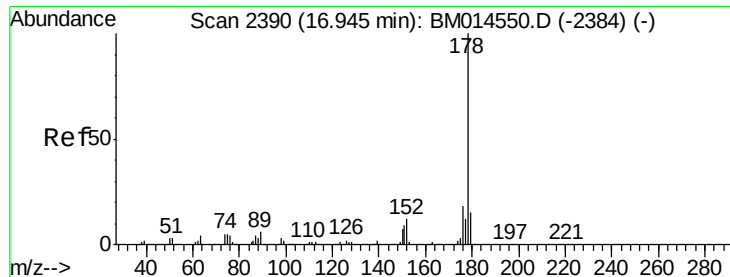


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 35.751 ng/ul

RT: 16.96 min Scan# 2392

Delta R.T. 0.01 min

Lab File: BM014560.D

Acq: 14 Mar 2018 01:29

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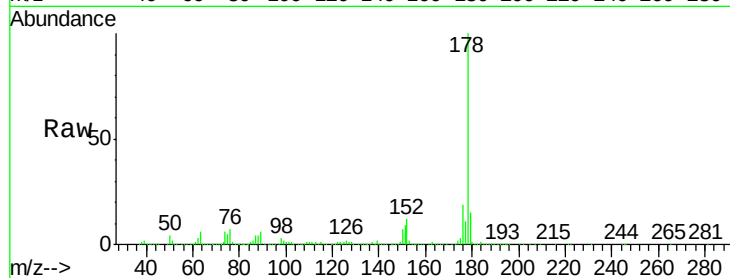
Tot Ion:178 Resp: 997030

Ion Ratio Lower Upper

178 100

179 14.8 12.6 19.0

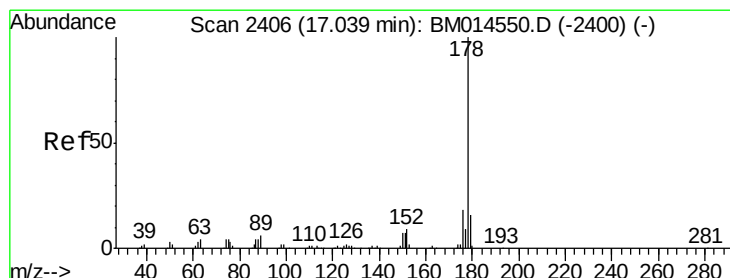
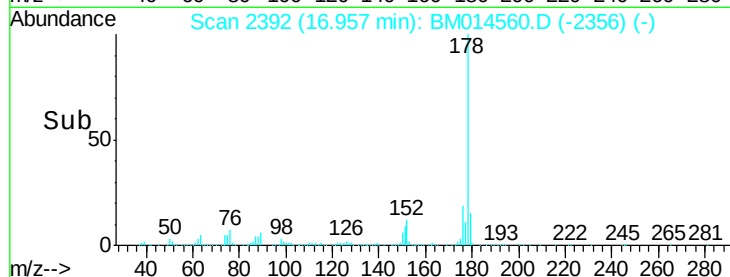
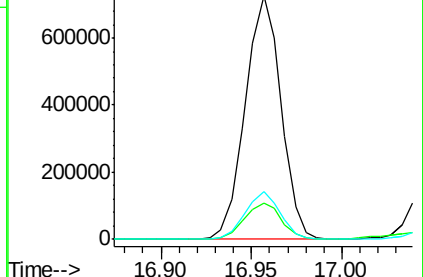
176 19.5 14.9 22.3



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: 8.997 ng/ul

RT: 17.05 min Scan# 2408

Delta R.T. 0.01 min

Lab File: BM014560.D

Acq: 14 Mar 2018 01:29

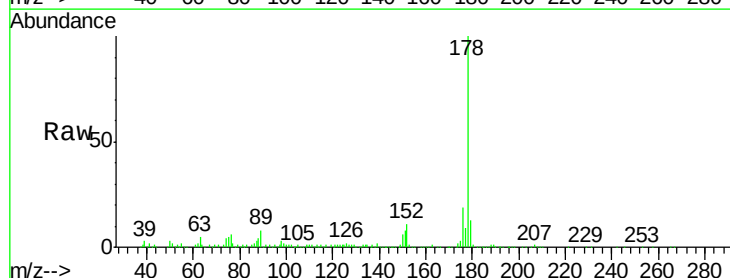
Tgt Ion:178 Resp: 252350

Ion Ratio Lower Upper

178 100

179 13.5 11.7 17.5

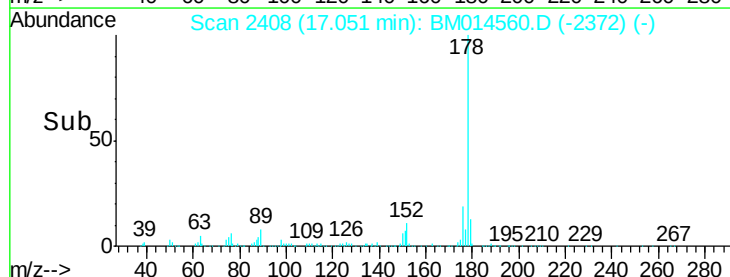
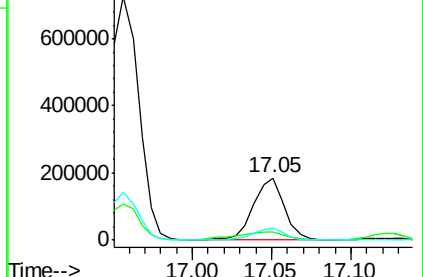
176 18.8 14.6 21.8

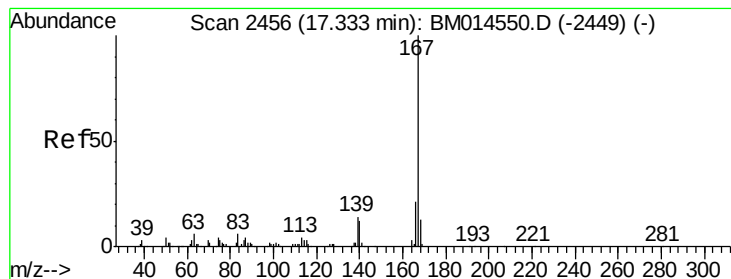


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 5.588 ng/ul

RT: 17.34 min Scan# 2457

Delta R.T. 0.01 min

Lab File: BM014560.D

Acq: 14 Mar 2018 01:29

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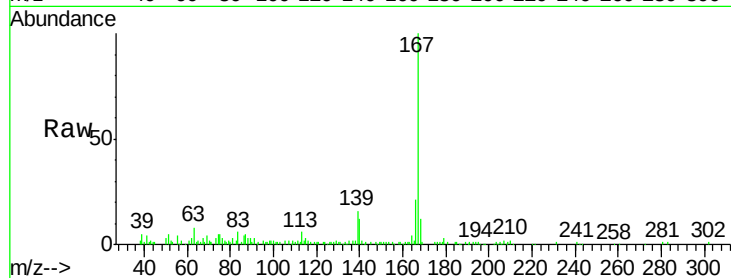
Tot Ion:167 Resp: 131784

Ion Ratio Lower Upper

167 100

166 21.4 17.1 25.7

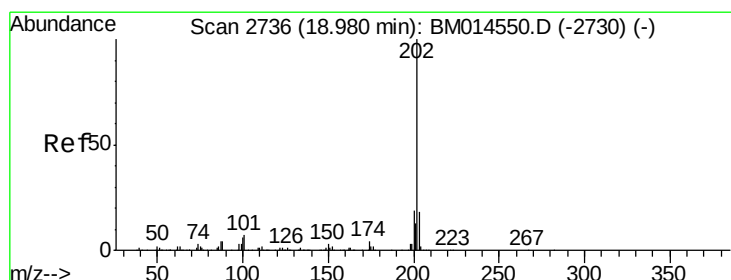
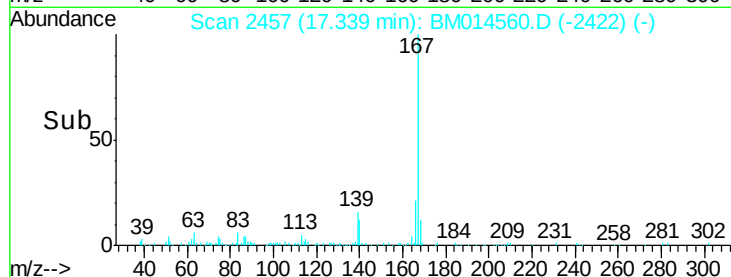
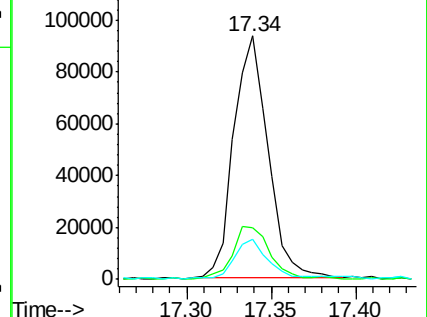
139 16.5 10.0 15.0#



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: 33.095 ng/ul

RT: 18.99 min Scan# 2738

Delta R.T. 0.01 min

Lab File: BM014560.D

Acq: 14 Mar 2018 01:29

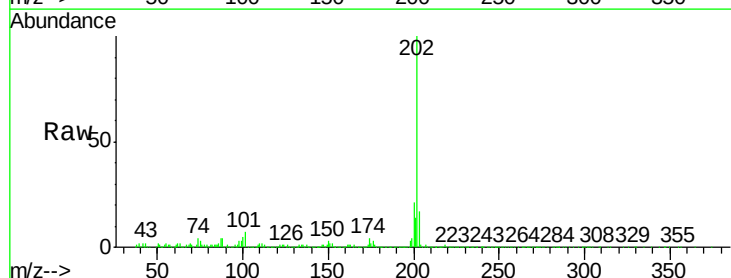
Tgt Ion:202 Resp: 1102699

Ion Ratio Lower Upper

202 100

101 6.5 4.6 7.0

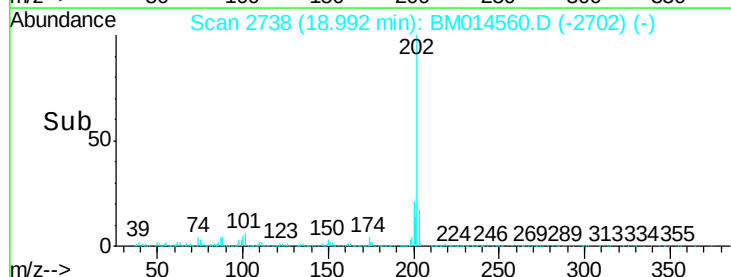
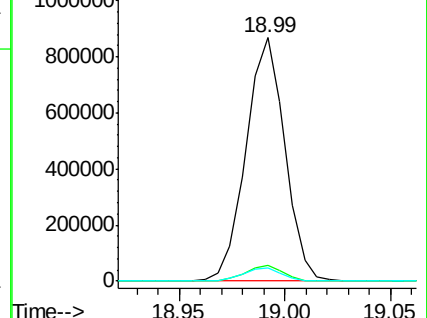
100 5.3 3.4 5.2#

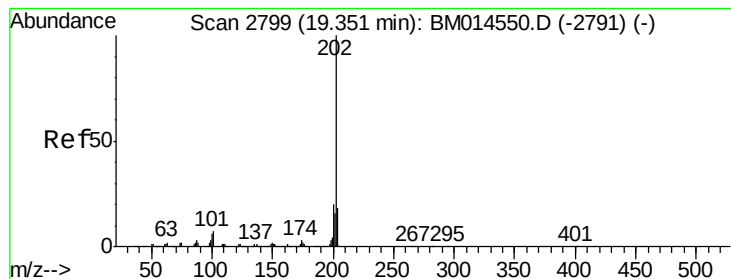


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pvrene

Concen: 41.140 ng/ul

RT: 19.36 min Scan# 2800

Delta R.T. 0.01 min

Lab File: BM014560.D

Acq: 14 Mar 2018 01:29

Instrument :

BNA_M

ClientSampleId :

F6F21

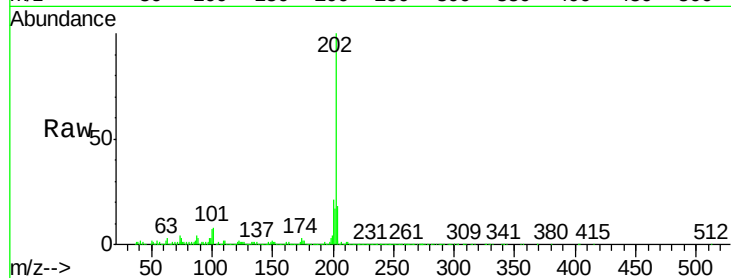
Tot Ion:202 Resp: 887878

Ion Ratio Lower Upper

202 100

101 7.6 5.1 7.7

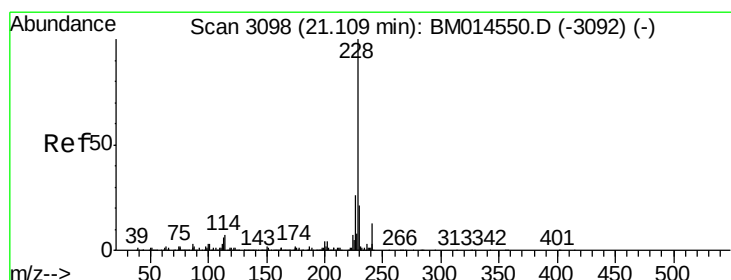
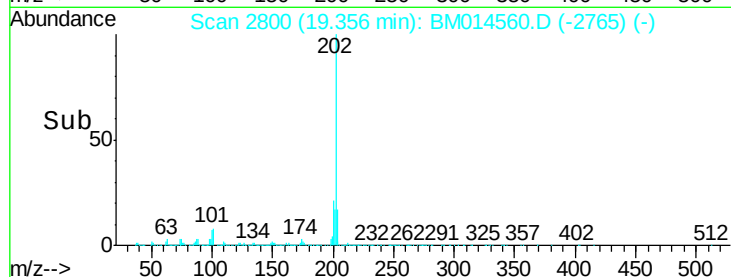
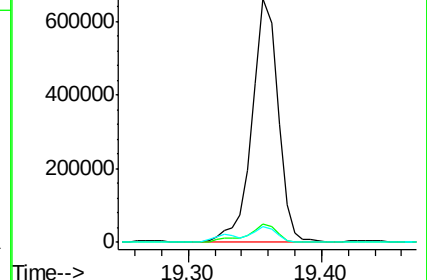
100 6.7 4.9 7.3



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): E



#80

Benzo(a)anthracene

Concen: 26.582 ng/ul

RT: 21.12 min Scan# 3100

Delta R.T. 0.01 min

Lab File: BM014560.D

Acq: 14 Mar 2018 01:29

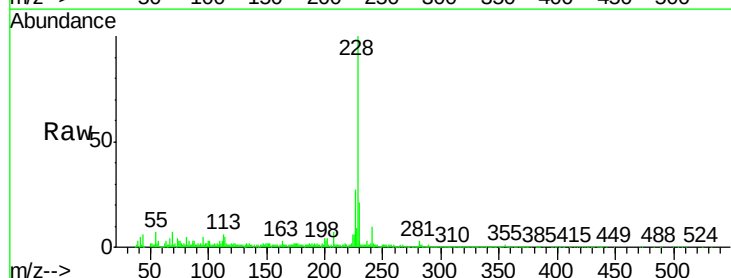
Tgt Ion:228 Resp: 538743

Ion Ratio Lower Upper

228 100

229 20.8 15.4 23.0

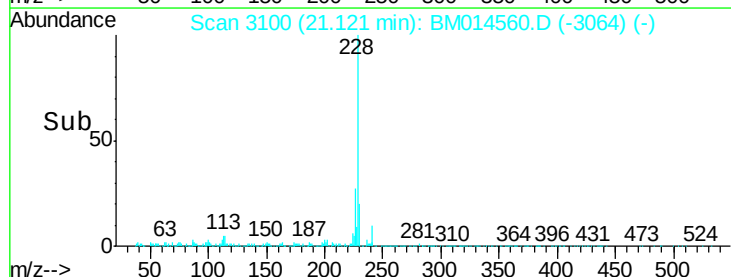
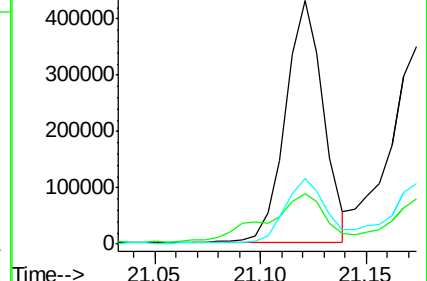
226 26.8 21.4 32.0

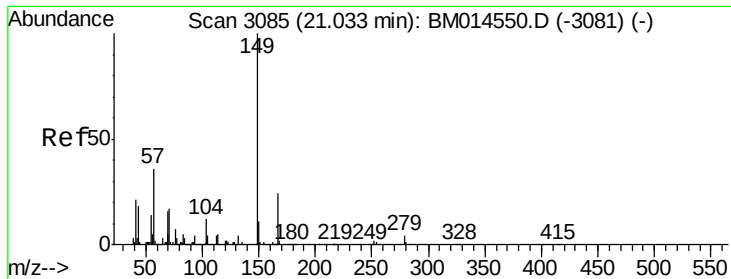


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

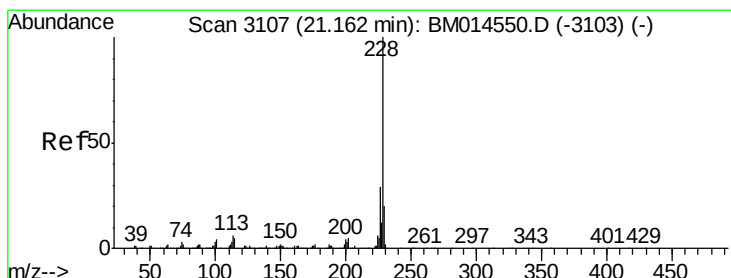
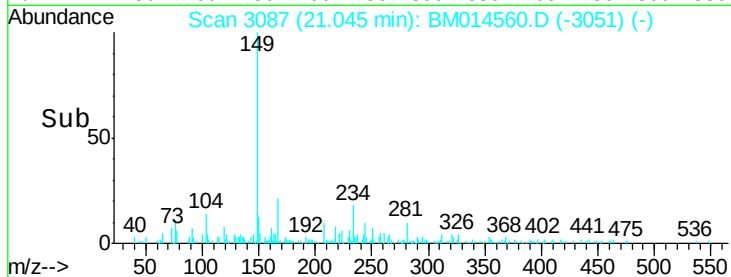
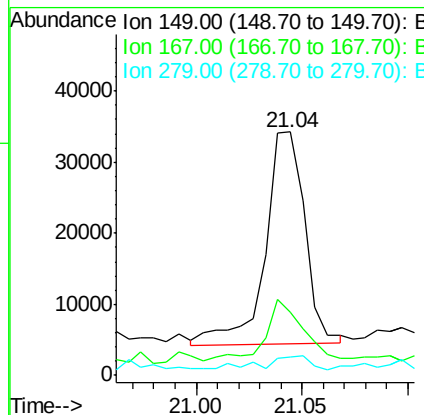
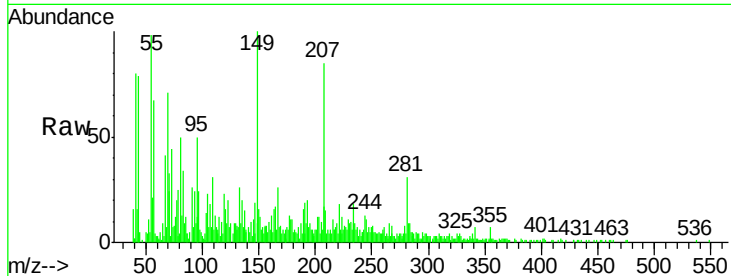




#81
 Bis(2-ethylhexyl)phthalate
 Concen: 3.077 ng/ul
 RT: 21.04 min Scan# 3087
 Delta R.T. 0.01 min
 Lab File: BM014560.D
 Acq: 14 Mar 2018 01:29

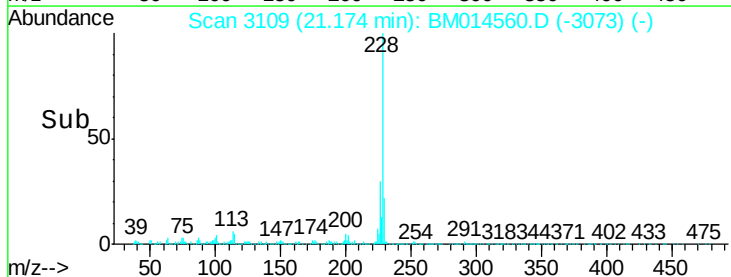
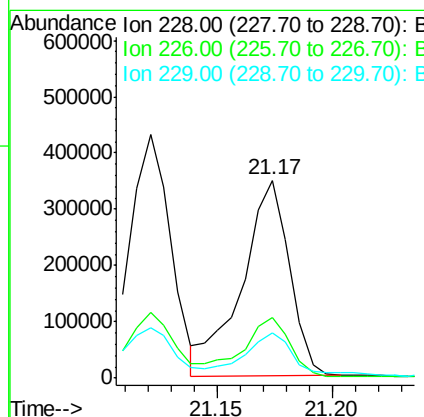
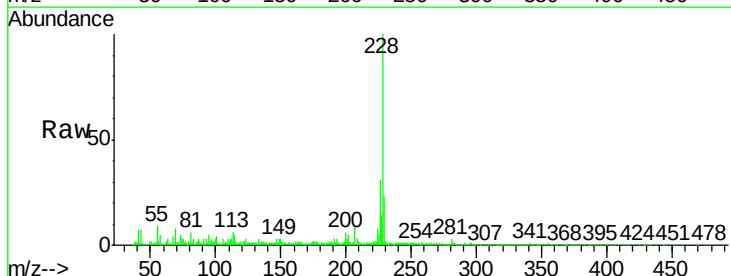
Instrument :
 BNA_M
 ClientSampleId :
 F6F21

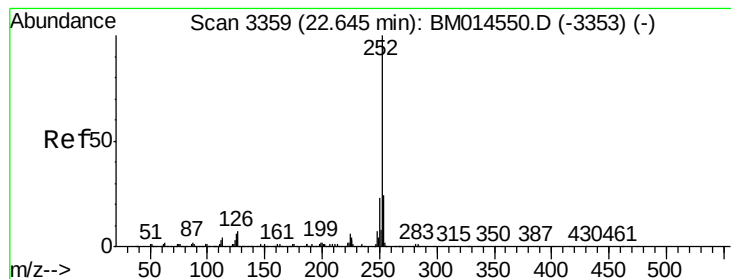
Tot Ion:149 Resp: 39327
 Ion Ratio Lower Upper
 149 100
 167 26.0 22.8 34.2
 279 7.5 4.9 7.3#



#82
 Chrysene
 Concen: 26.403 ng/ul
 RT: 21.17 min Scan# 3109
 Delta R.T. 0.01 min
 Lab File: BM014560.D
 Acq: 14 Mar 2018 01:29

Tgt Ion:228 Resp: 499200
 Ion Ratio Lower Upper
 228 100
 226 30.8 23.4 35.2
 229 22.8 15.5 23.3





#85

Benzo(b)fluoranthene

Concen: 35.363 ng/ul

RT: 22.67 min Scan# 3363

Delta R.T. 0.02 min

Lab File: BM014560.D

Acq: 14 Mar 2018 01:29

Instrument :

BNA_M

ClientSampleId :

F6F21

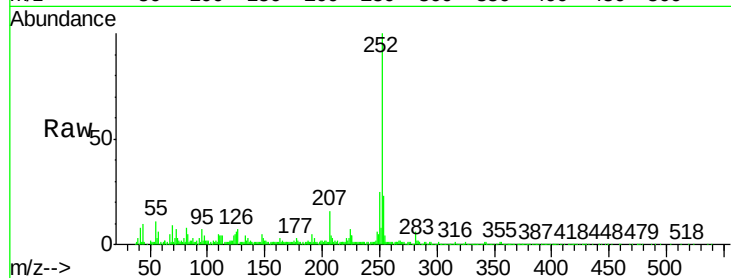
Tot Ion:252 Resp: 767654

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

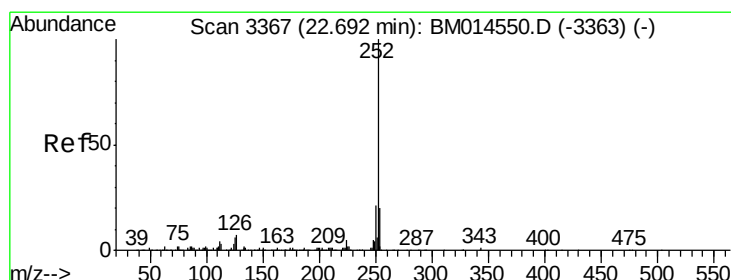
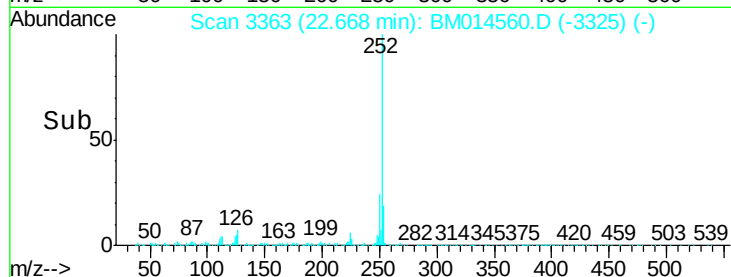
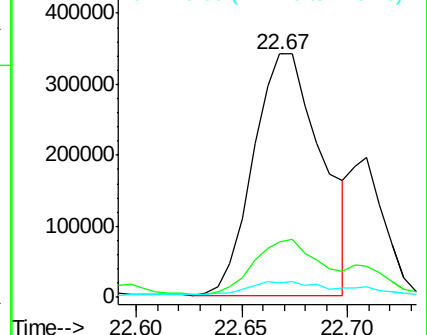
125 6.0 3.6 5.4#



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: 10.311 ng/ul

RT: 22.71 min Scan# 3370

Delta R.T. 0.02 min

Lab File: BM014560.D

Acq: 14 Mar 2018 01:29

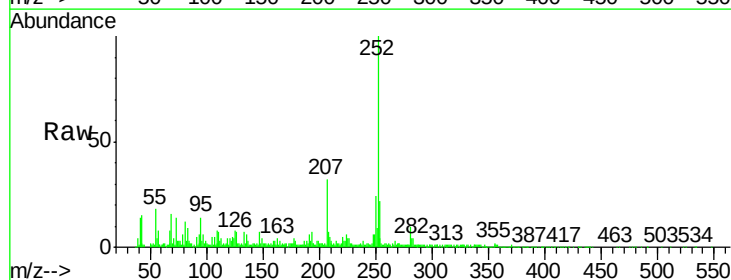
Tgt Ion:252 Resp: 212819

Ion Ratio Lower Upper

252 100

253 22.5 17.1 25.7

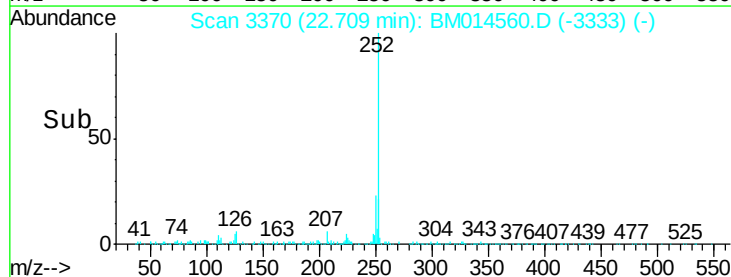
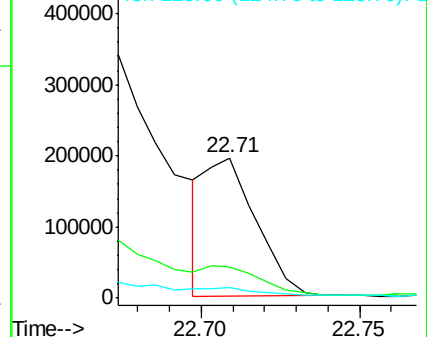
125 7.6 3.4 5.2#

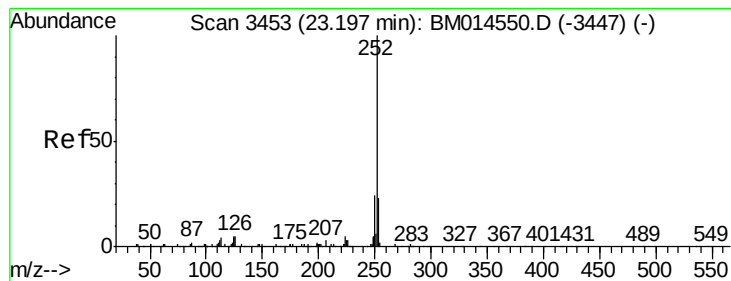


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 26.170 ng/ul

RT: 23.22 min Scan# 3457

Delta R.T. 0.02 min

Lab File: BM014560.D

Acq: 14 Mar 2018 01:29

Instrument :

BNA_M

ClientSampleId :

F6F21

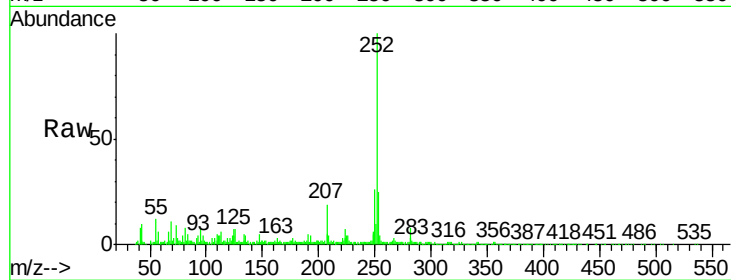
Tot Ion:252 Resp: 507651

Ion Ratio Lower Upper

252 100

253 24.7 18.2 27.2

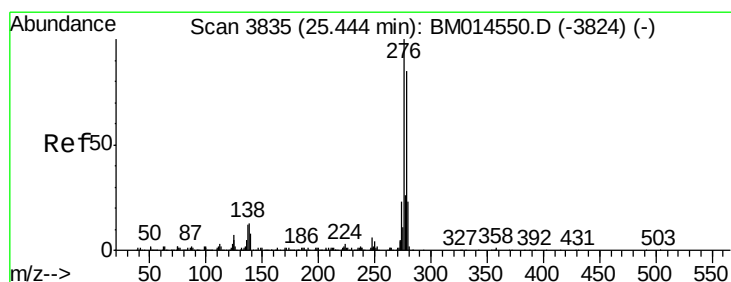
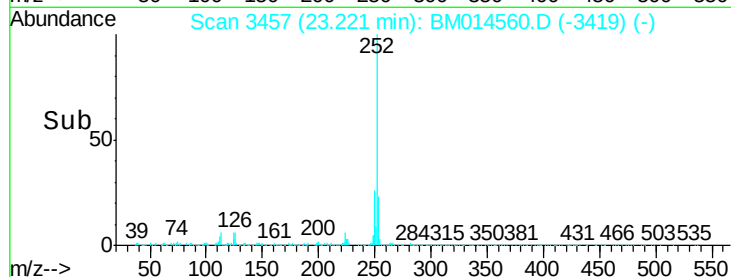
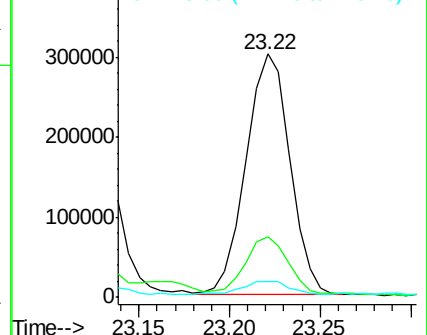
125 6.6 4.0 6.0#



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: 18.985 ng/ul

RT: 25.48 min Scan# 3841

Delta R.T. 0.04 min

Lab File: BM014560.D

Acq: 14 Mar 2018 01:29

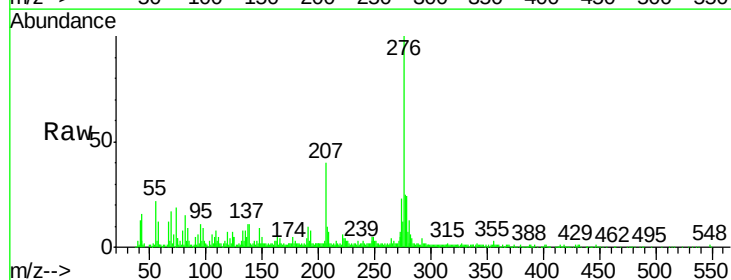
Tgt Ion:276 Resp: 357363

Ion Ratio Lower Upper

276 100

138 11.4 9.3 13.9

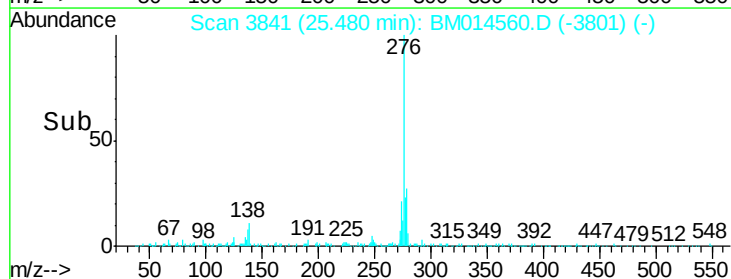
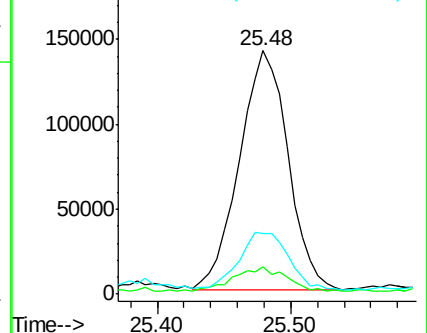
277 24.7 19.9 29.9

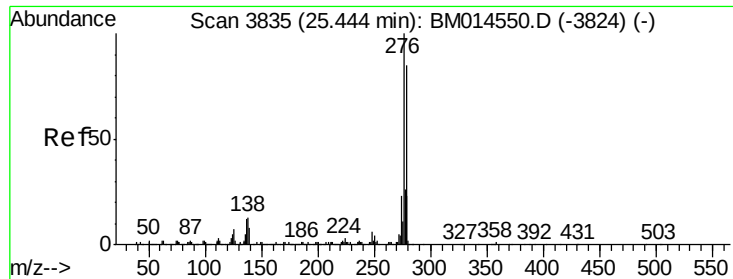


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 6.732 ng/ul

RT: 25.47 min Scan# 3839

Delta R.T. 0.02 min

Lab File: BM014560.D

Acq: 14 Mar 2018 01:29

Instrument :

BNA_M

ClientSampleId :

F6F21

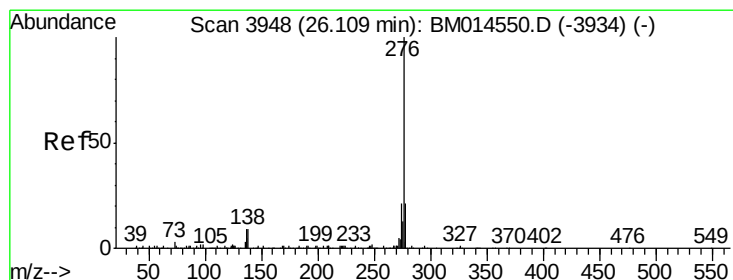
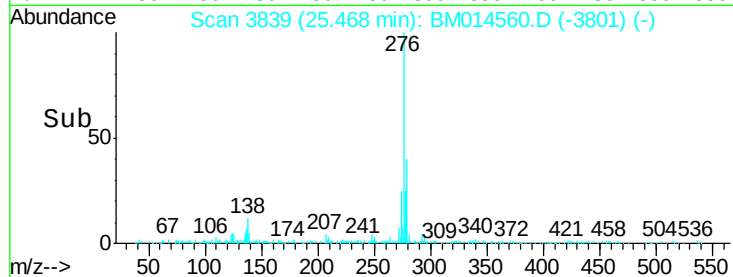
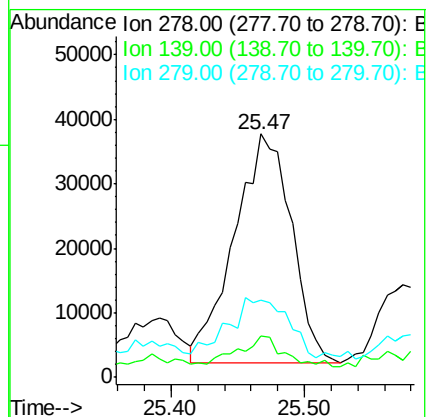
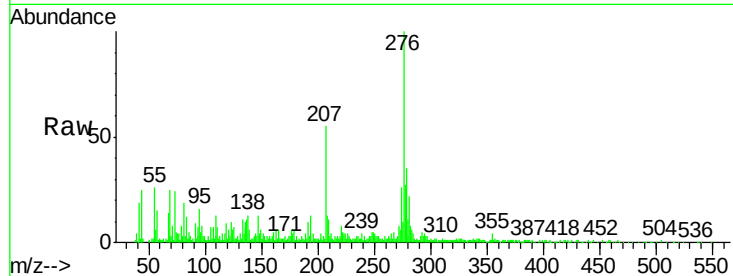
Tot Ion:278 Resp: 105292

Ion Ratio Lower Upper

278 100

139 16.9 5.8 8.8#

279 31.6 18.6 27.8#



#91

Benzo(g,h,i)perylene

Concen: 20.690 ng/ul

RT: 26.15 min Scan# 3955

Delta R.T. 0.04 min

Lab File: BM014560.D

Acq: 14 Mar 2018 01:29

Tgt Ion:276 Resp: 315496

Ion Ratio Lower Upper

276 100

138 12.3 8.5 12.7

277 28.2 18.6 28.0#

