

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022718\
 Data File : BM014381.D
 Acq On : 27 Feb 2018 14:12
 Operator : SJ/JU
 Sample : J1631-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5Y7

Quant Time: Feb 27 16:40:13 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	7.52	152	109492	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	436508	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	244404	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	500495	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	506467	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	484825	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	9348	3.65	ng/uL	0.00
5) Phenol-d5	6.72	99	197426	21.33	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.87	67	124887	22.29	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	167742	23.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	149858	18.51	ng/ul	0.00
19) Nitrobenzene-d5	8.67	128	82565	25.60	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	96481	28.90	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	164914	23.85	ng/ul	0.00
29) 4-Chloroaniline-d4	10.46	131	94587	13.88	ng/ul	0.00
43) Dimethylphthalate-d6	13.60	166	524618	25.99	ng/ul	0.00
46) Acenaphthylene-d8	13.86	160	668351	26.85	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	51886	18.62	ng/ul	0.02
57) Fluorene-d10	15.18	176	457653	25.31	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.34	200	43684	14.55	ng/ul	0.00
70) Anthracene-d10	17.04	188	677262	28.05	ng/ul	0.00
76) Pyrene-d10	19.35	212	721007	27.60	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.20	264	640667	27.15	ng/ul	0.02

Target Compounds

				Ovalue	
6) Phenol	6.75	94	21236	2.187	ng/ul 93
14) Acetophenone	8.35	105	36788	2.633	ng/ul# 96
28) Naphthalene	10.33	128	146800	6.548	ng/ul 97
34) 2-Methylnaphthalene	11.96	142	45572	2.671	ng/ul 95
44) Dimethylphthalate	13.65	163	215968	10.851	ng/ul# 97
47) Acenaphthylene	13.90	152	146639	6.234	ng/ul 97
49) Acenaphthene	14.24	153	112904	6.816	ng/ul 95
53) Dibenzofuran	14.58	168	124177	5.000	ng/ul 95
58) Fluorene	15.23	166	149084	6.953	ng/ul 97
69) Phenanthrene	16.99	178	2782062	96.477	ng/ul 99
71) Anthracene	17.07	178	524034	18.070	ng/ul 98
72) Carbazole	17.36	167	251321	10.306	ng/ul 96
74) Fluoranthene	19.02	202	4600221	133.526	ng/ul# 92
77) Pyrene	19.38	202	4166921	123.800	ng/ul# 91
80) Benzo(a)anthracene	21.14	228	2678194	84.730	ng/ul 99
82) Chrysene	21.19	228	2419603	82.057	ng/ul 97
85) Benzo(b)fluoranthene	22.69	252	3095068	95.341	ng/ul# 98
86) Benzo(k)fluoranthene	22.73	252	1092736	35.404	ng/ul# 96
88) Benzo(a)pyrene	23.24	252	2224663	76.689	ng/ul# 98
89) Indeno(1,2,3-cd)pyrene	25.51	276	1315270	46.724	ng/ul# 96
90) Dibenzo(a,h)anthracene	25.50	278	360810	15.426	ng/ul# 89
91) Benzo(a,h,i)perylene	26.17	276	922897	40.471	ng/ul# 95

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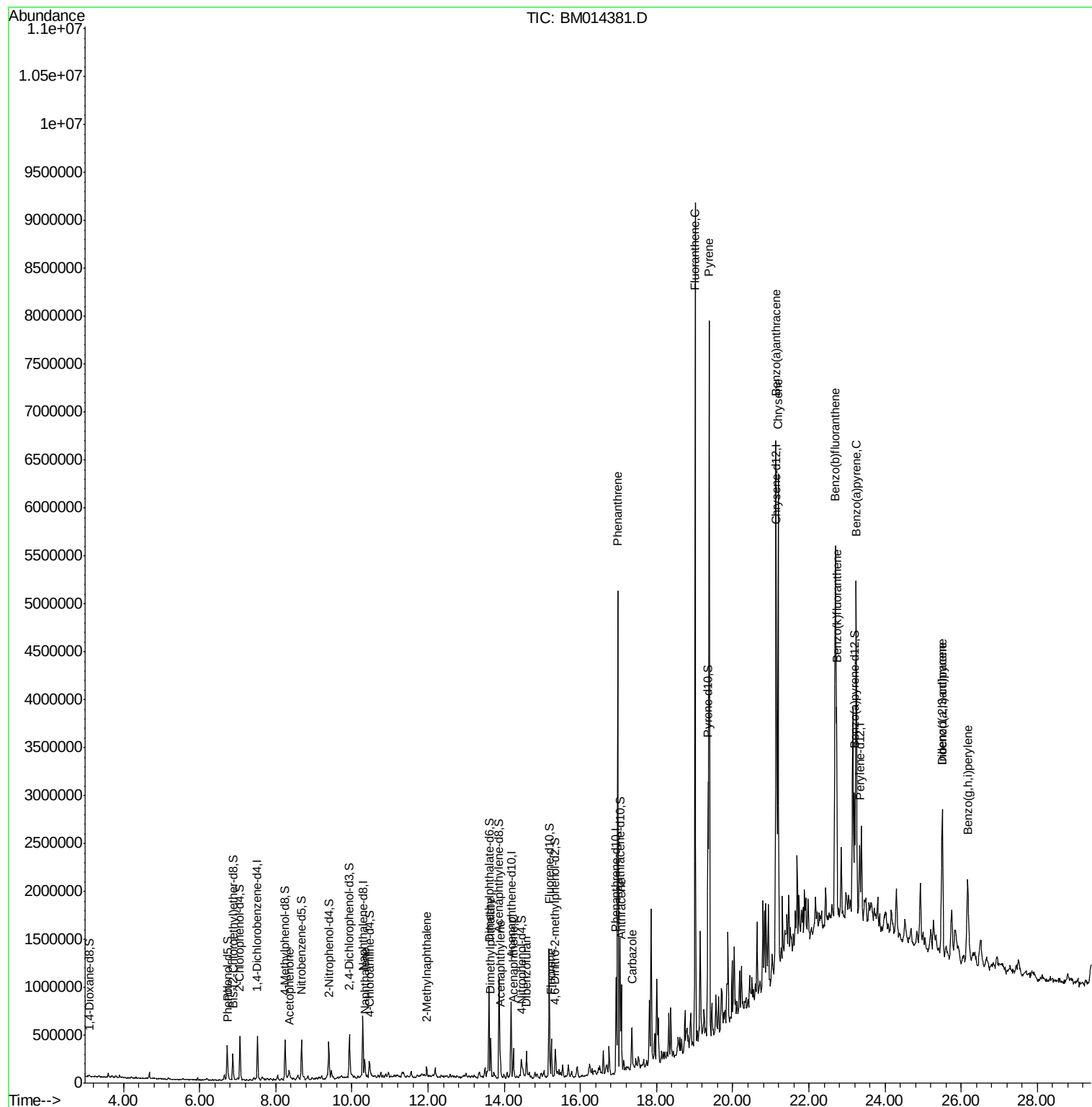
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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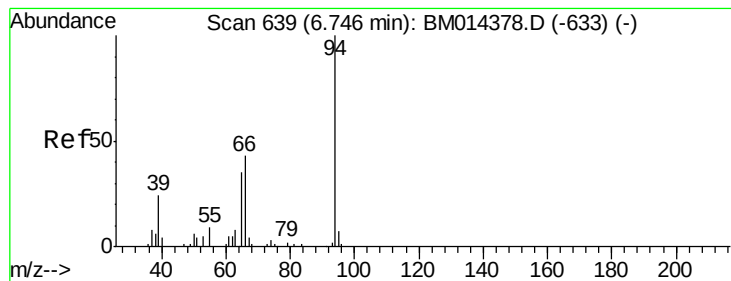
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.187 ng/ul

RT: 6.75 min Scan# 639

Delta R.T. 0.00 min

Lab File: BM014381.D

Acq: 27 Feb 2018 14:12

Instrument :

BNA_M

ClientSampleId :

BE5Y7

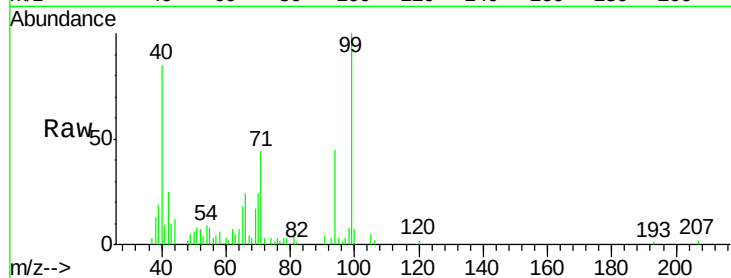
Tot Ion: 94 Resp: 21236

Ion Ratio Lower Upper

94 100

65 39.1 28.2 42.4

66 53.6 47.2 70.8

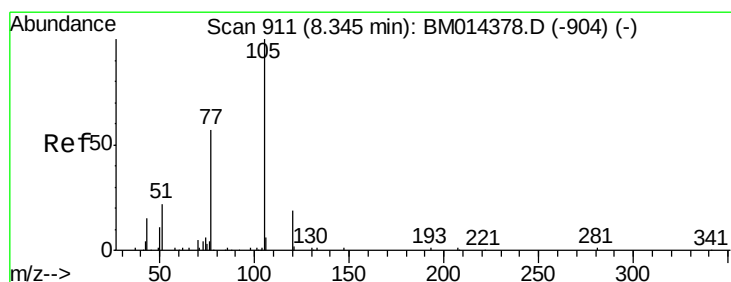
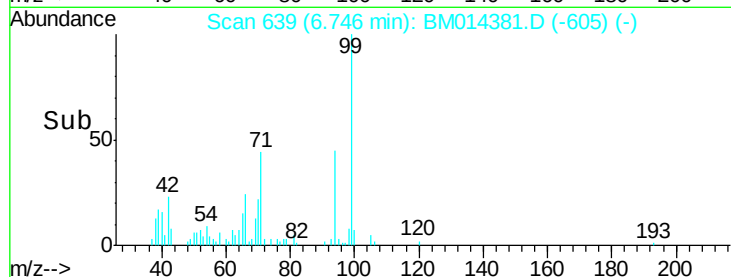
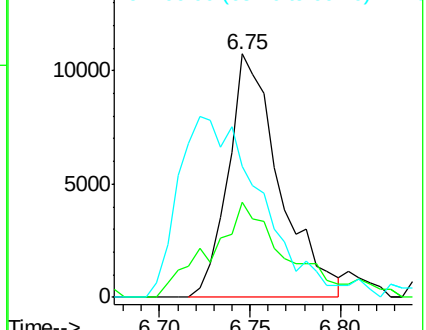


Abundance

Ion 94.00 (93.70 to 94.70): BM014381.D (-605) (-)

Ion 65.00 (64.70 to 65.70): BM014381.D (-605) (-)

Ion 66.00 (65.70 to 66.70): BM014381.D (-605) (-)



#14

Acetophenone

Concen: 2.633 ng/ul

RT: 8.35 min Scan# 912

Delta R.T. 0.00 min

Lab File: BM014381.D

Acq: 27 Feb 2018 14:12

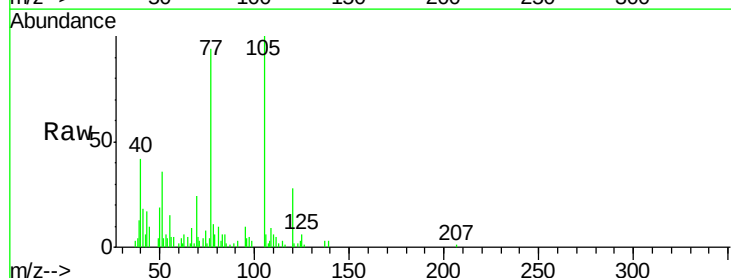
Tgt Ion: 105 Resp: 36788

Ion Ratio Lower Upper

105 100

77 94.4 74.2 111.4

51 36.1 23.4 35.2#

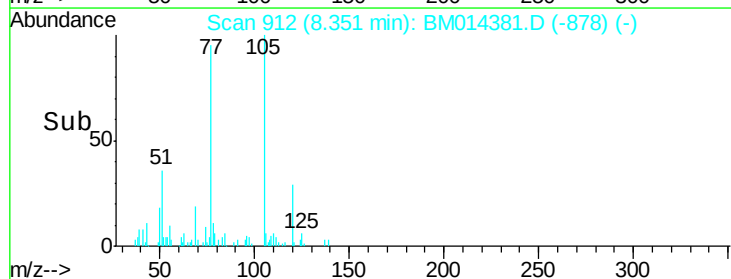
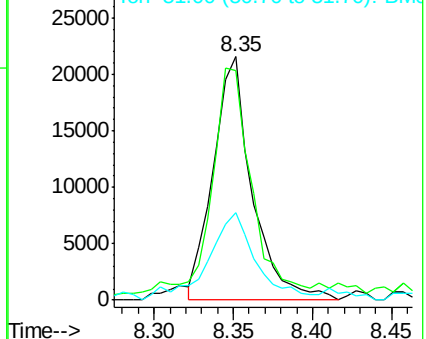


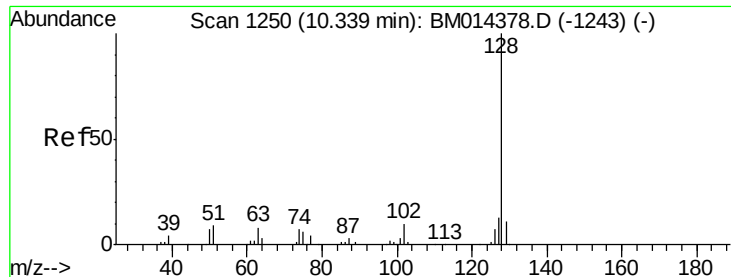
Abundance

Ion 105.00 (104.70 to 105.70): BM014381.D (-878) (-)

Ion 77.00 (76.70 to 77.70): BM014381.D (-878) (-)

Ion 51.00 (50.70 to 51.70): BM014381.D (-878) (-)

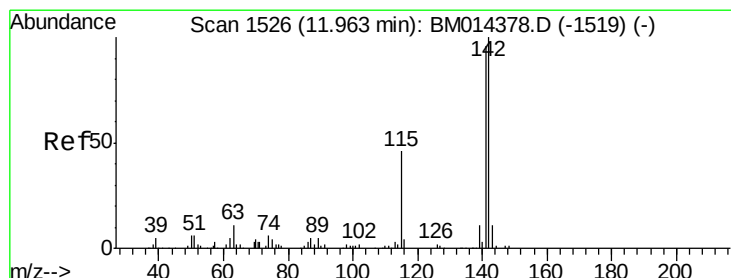
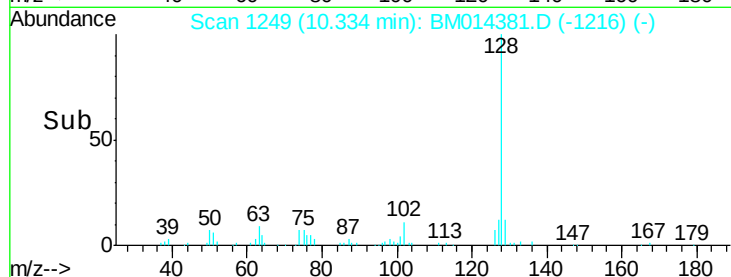
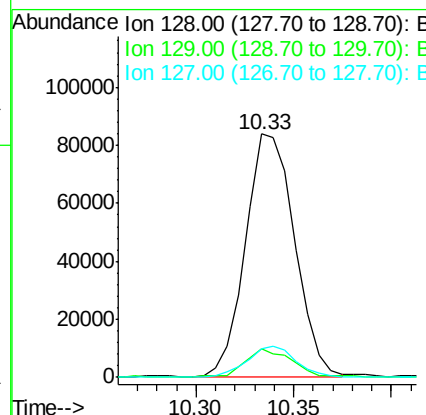
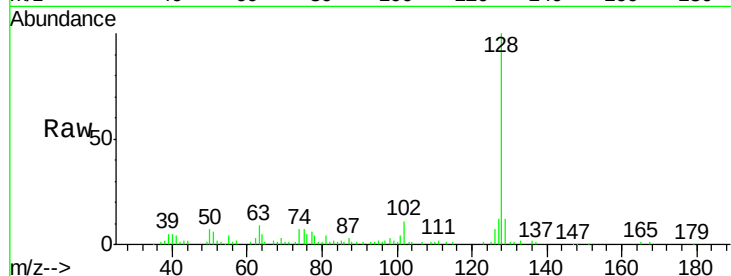




#28
Naphthalene
Concen: 6.548 ng/ul
RT: 10.33 min Scan# 1249
Delta R.T. -0.01 min
Lab File: BM014381.D
Acq: 27 Feb 2018 14:12

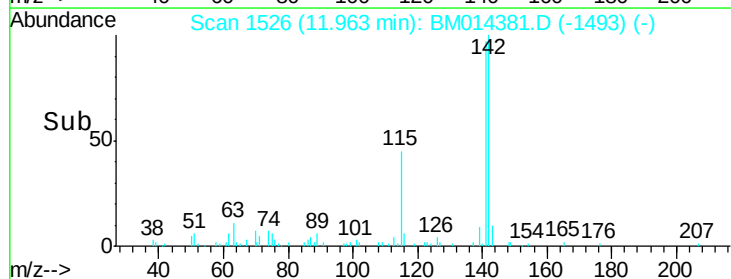
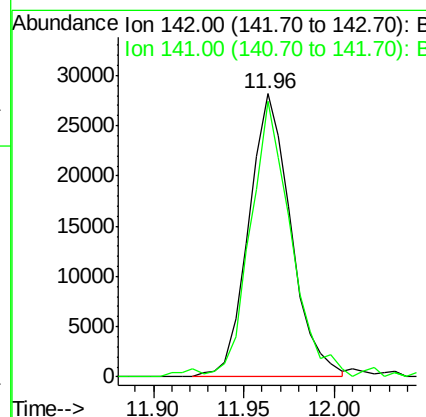
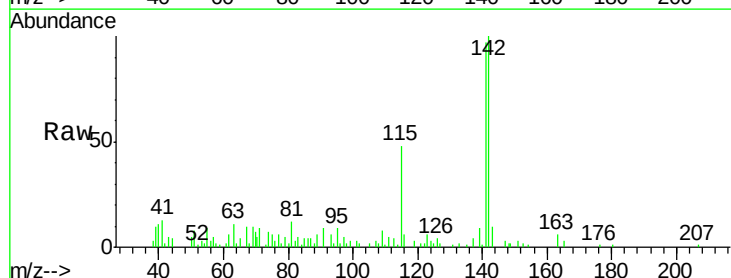
Instrument :
BNA_M
ClientSampleId :
BE5Y7

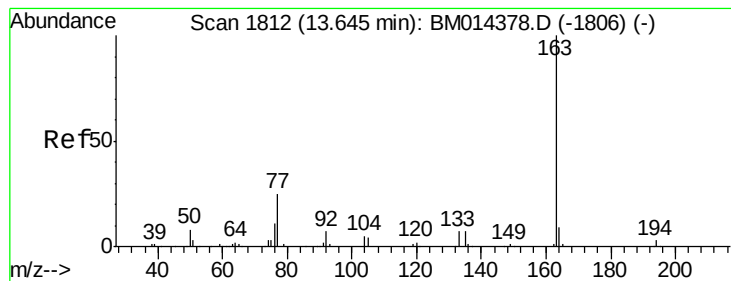
Tot Ion:128 Resp: 146800
Ion Ratio Lower Upper
128 100
129 11.9 8.8 13.2
127 11.9 10.6 16.0



#34
2-Methylnaphthalene
Concen: 2.671 ng/ul
RT: 11.96 min Scan# 1526
Delta R.T. -0.01 min
Lab File: BM014381.D
Acq: 27 Feb 2018 14:12

Tgt Ion:142 Resp: 45572
Ion Ratio Lower Upper
142 100
141 97.4 74.1 111.1





#44

Dimethylphthalate

Concen: 10.851 ng/ul

RT: 13.65 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BM014381.D

Acq: 27 Feb 2018 14:12

Instrument :

BNA_M

ClientSampleId :

BE5Y7

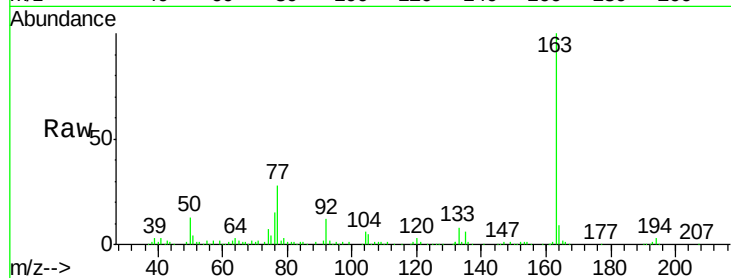
Tot Ion:163 Resp: 215968

Ion Ratio Lower Upper

163 100

194 2.9 3.5 5.3#

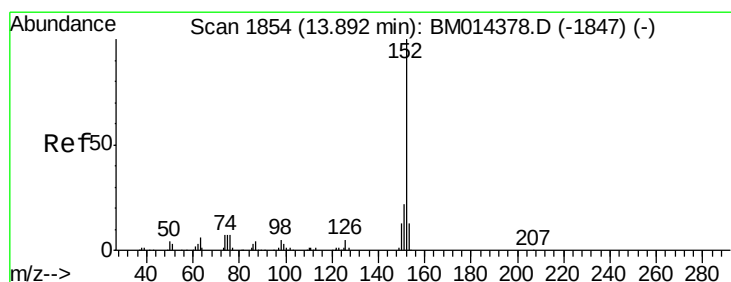
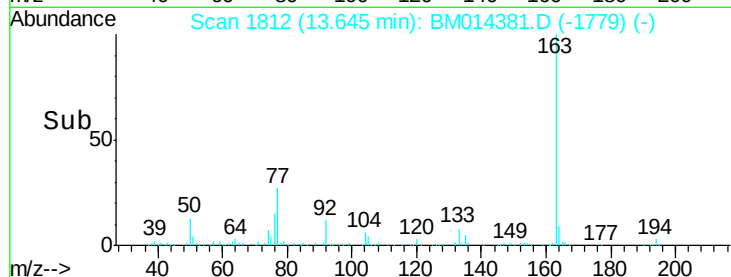
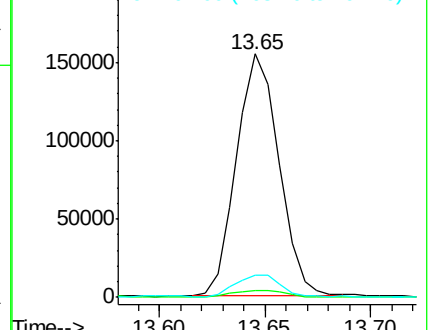
164 9.2 8.2 12.4



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



#47

Acenaphthylene

Concen: 6.234 ng/ul

RT: 13.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BM014381.D

Acq: 27 Feb 2018 14:12

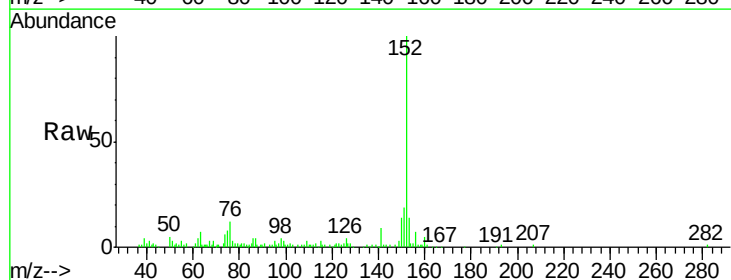
Tgt Ion:152 Resp: 146639

Ion Ratio Lower Upper

152 100

151 18.6 16.3 24.5

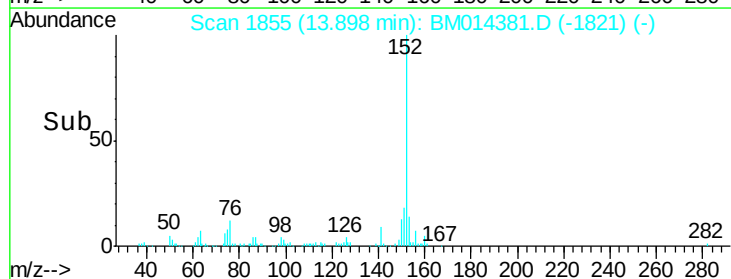
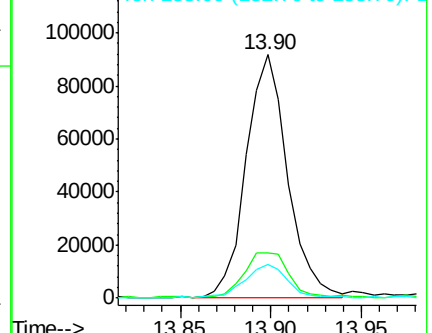
153 13.8 10.2 15.4

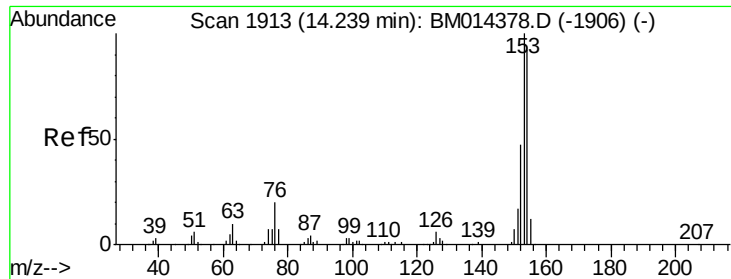


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 6.816 ng/ul

RT: 14.24 min Scan# 1913

Delta R.T. -0.01 min

Lab File: BM014381.D

Acq: 27 Feb 2018 14:12

Instrument :

BNA_M

ClientSampleId :

BE5Y7

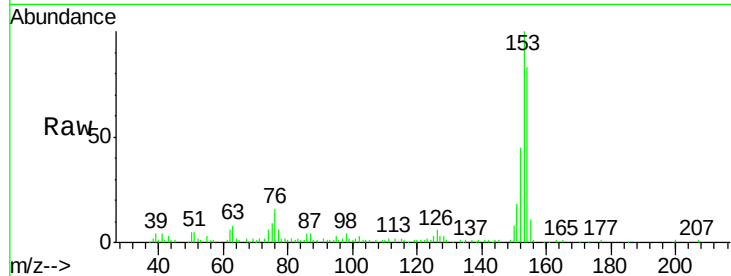
Tot Ion:153 Resp: 112904

Ion Ratio Lower Upper

153 100

152 44.6 37.6 56.4

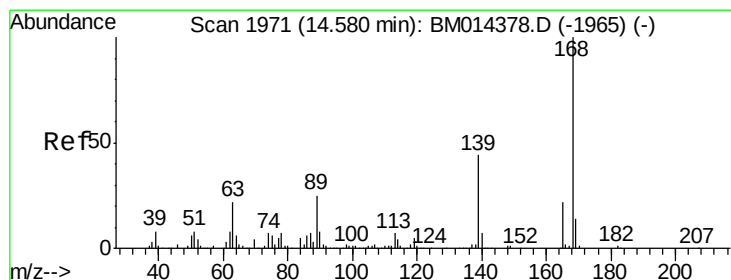
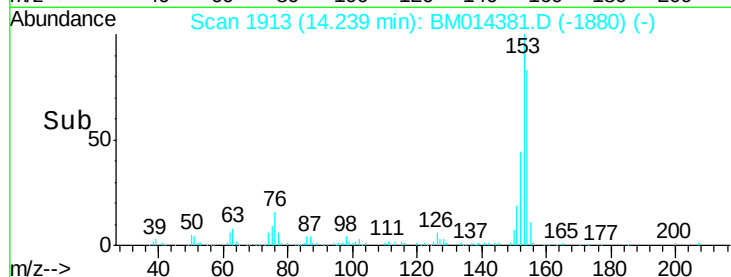
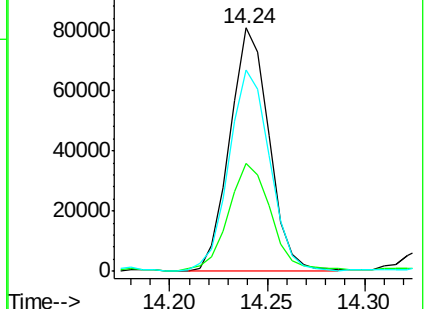
154 82.5 70.4 105.6



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: 5.000 ng/ul

RT: 14.58 min Scan# 1971

Delta R.T. -0.01 min

Lab File: BM014381.D

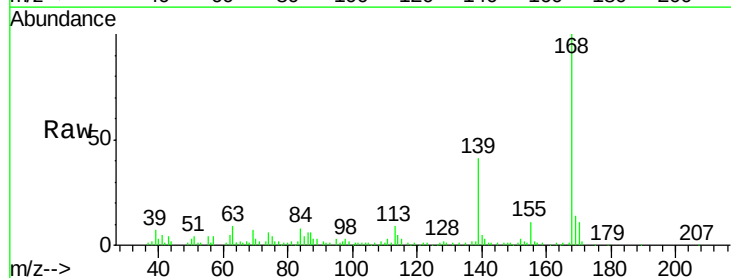
Acq: 27 Feb 2018 14:12

Tgt Ion:168 Resp: 124177

Ion Ratio Lower Upper

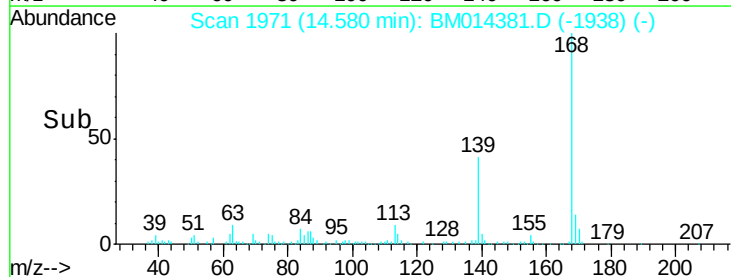
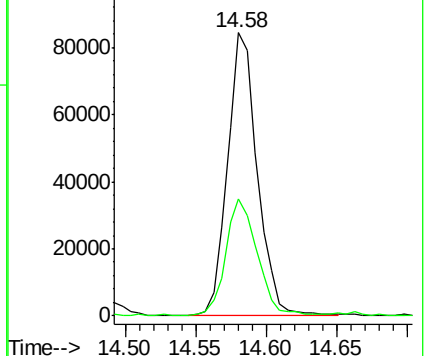
168 100

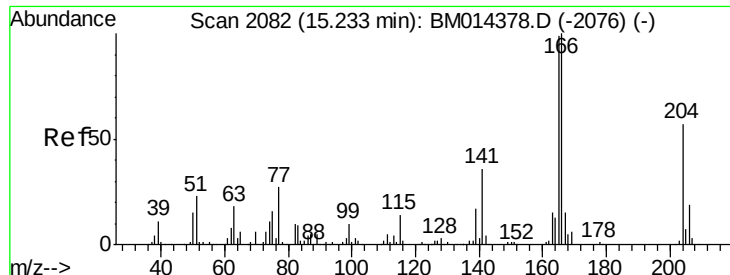
139 41.4 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 6.953 ng/ul

RT: 15.23 min Scan# 2082

Delta R.T. -0.01 min

Lab File: BM014381.D

Acq: 27 Feb 2018 14:12

Instrument :

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ClientSampleId :

BE5Y7

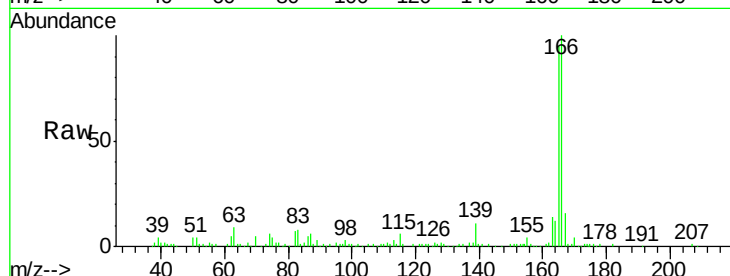
Tot Ion:166 Resp: 149084

Ion Ratio Lower Upper

166 100

165 94.6 77.9 116.9

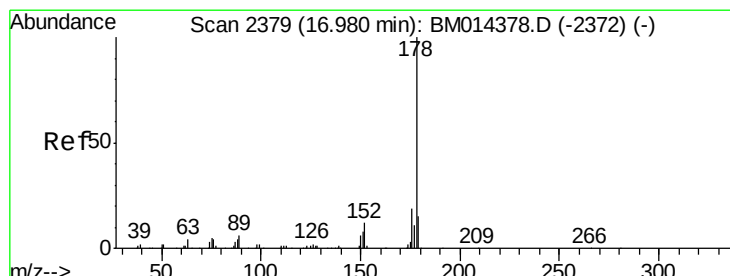
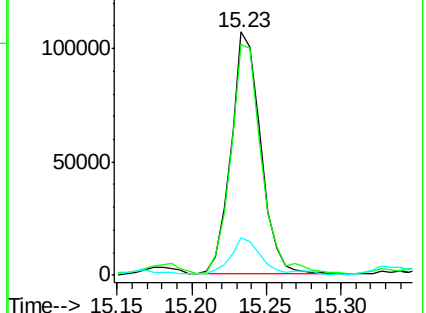
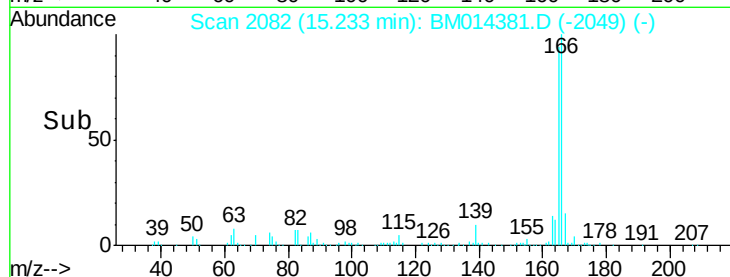
167 15.6 10.6 16.0



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: 96.477 ng/ul

RT: 16.99 min Scan# 2380

Delta R.T. 0.01 min

Lab File: BM014381.D

Acq: 27 Feb 2018 14:12

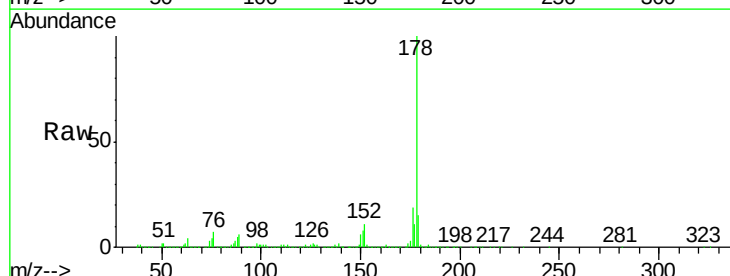
Tgt Ion:178 Resp: 2782062

Ion Ratio Lower Upper

178 100

179 14.9 12.6 19.0

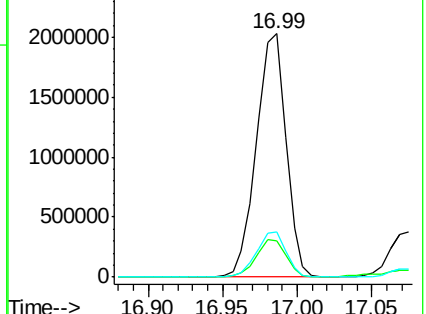
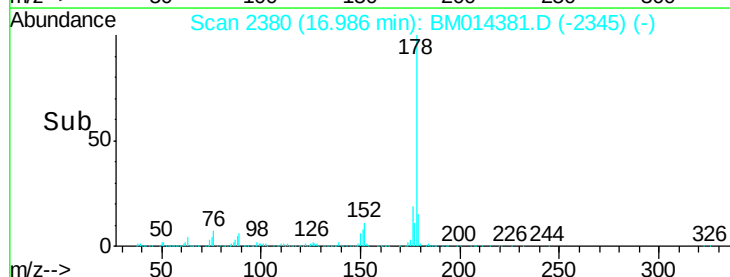
176 18.6 14.9 22.3

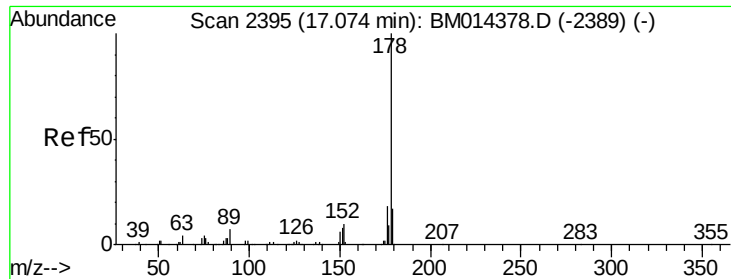


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

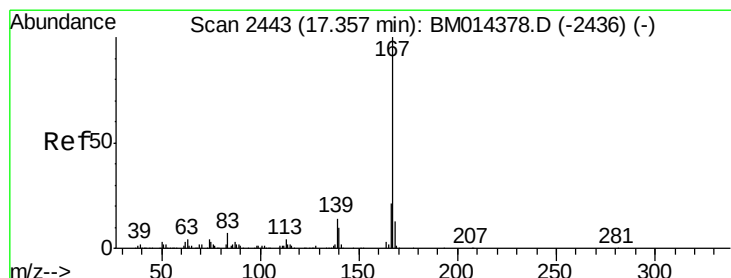
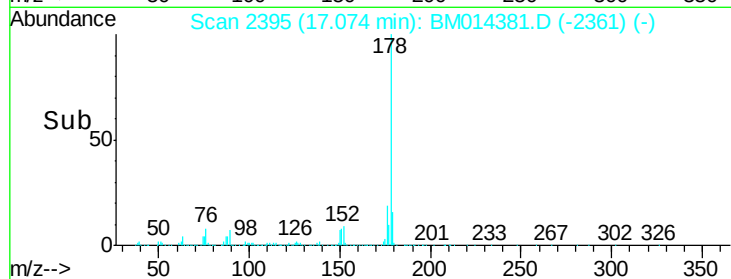
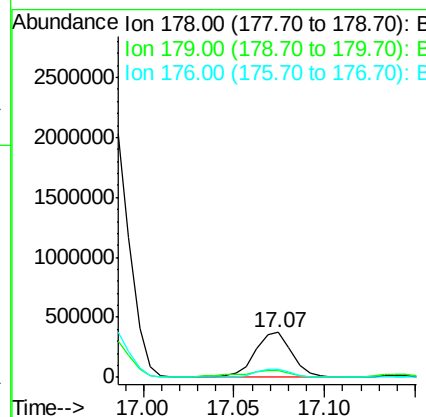
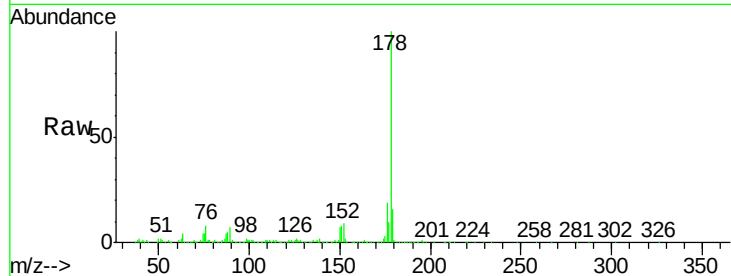




#71
 Anthracene
 Concen: 18.070 ng/ul
 RT: 17.07 min Scan# 2395
 Delta R.T. 0.00 min
 Lab File: BM014381.D
 Acq: 27 Feb 2018 14:12

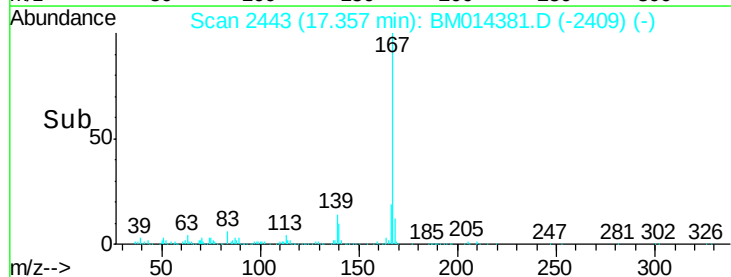
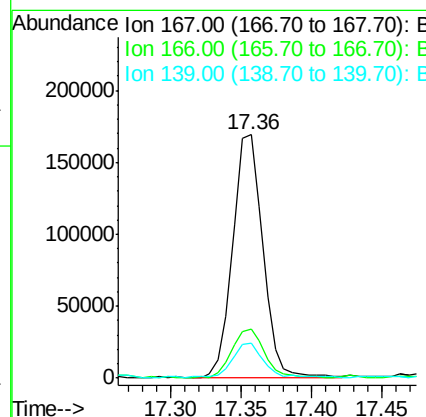
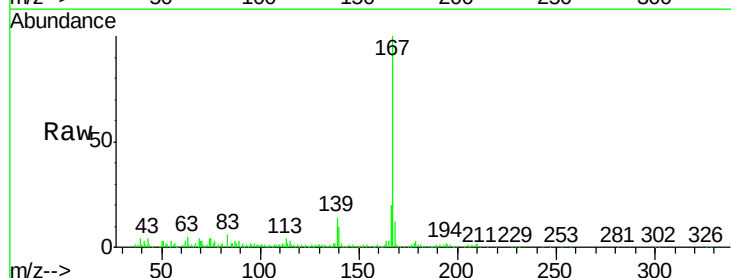
Instrument :
 BNA_M
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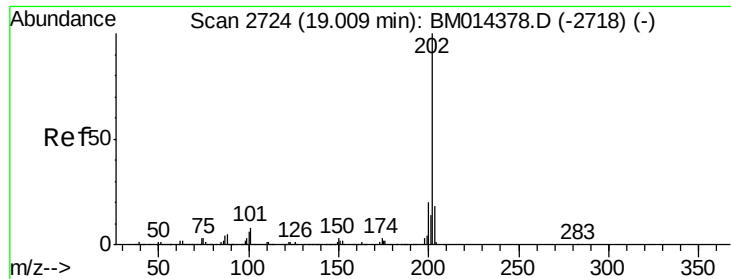
Tot Ion:178 Resp: 524034
 Ion Ratio Lower Upper
 178 100
 179 15.7 11.7 17.5
 176 18.9 14.6 21.8



#72
 Carbazole
 Concen: 10.306 ng/ul
 RT: 17.36 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BM014381.D
 Acq: 27 Feb 2018 14:12

Tgt Ion:167 Resp: 251321
 Ion Ratio Lower Upper
 167 100
 166 20.0 17.1 25.7
 139 14.5 10.0 15.0





#74

Fluoranthene

Concen: 133.526 ng/ul

RT: 19.02 min Scan# 2725

Delta R.T. 0.01 min

Lab File: BM014381.D

Acq: 27 Feb 2018 14:12

Instrument :

BNA_M

ClientSampleId :

BE5Y7

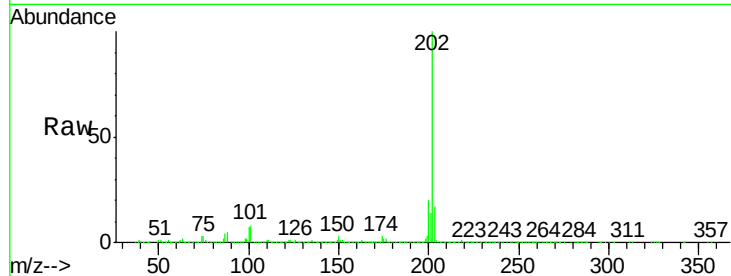
Tot Ion:202 Resp: 4600221

Ion Ratio Lower Upper

202 100

101 8.5 4.6 7.0#

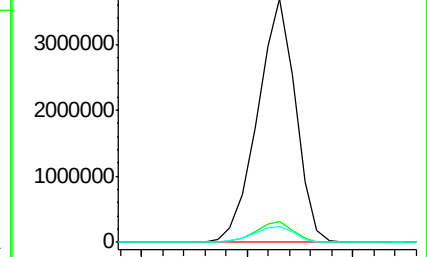
100 6.7 3.4 5.2#



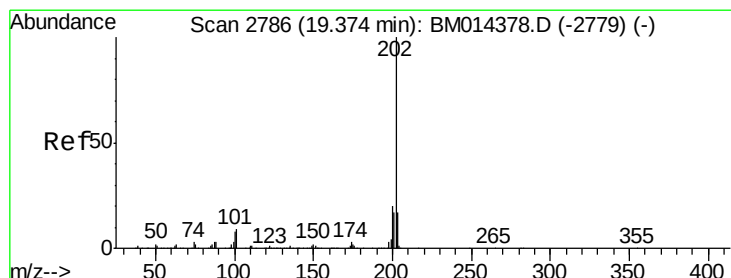
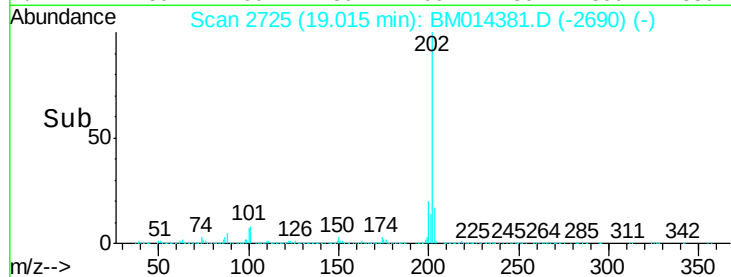
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#77

Pyrene

Concen: 123.800 ng/ul

RT: 19.38 min Scan# 2787

Delta R.T. 0.01 min

Lab File: BM014381.D

Acq: 27 Feb 2018 14:12

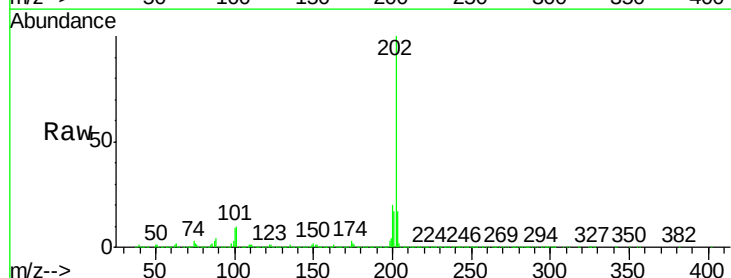
Tgt Ion:202 Resp: 4166921

Ion Ratio Lower Upper

202 100

101 9.8 5.1 7.7#

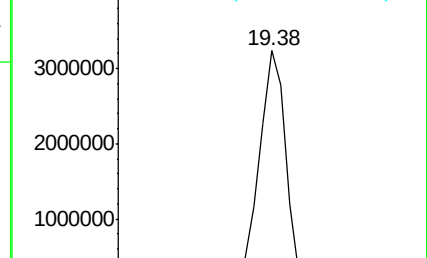
100 8.6 4.9 7.3#



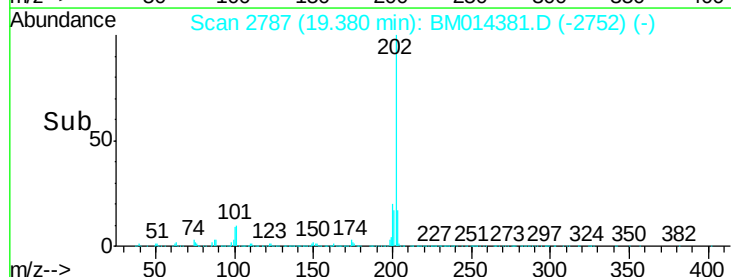
Abundance Ion 202.00 (201.70 to 202.70): E

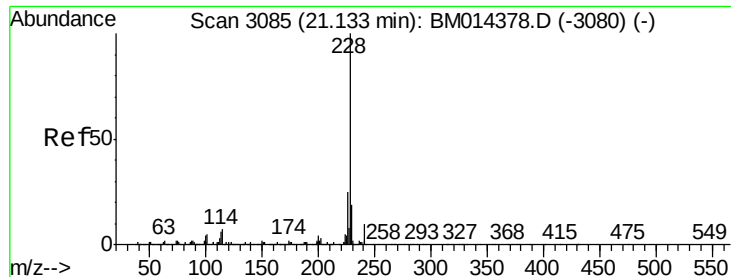
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->





#80

Benzo(a)anthracene

Concen: 84.730 ng/ul

RT: 21.14 min Scan# 3086

Delta R.T. 0.01 min

Lab File: BM014381.D

Acq: 27 Feb 2018 14:12

Instrument :

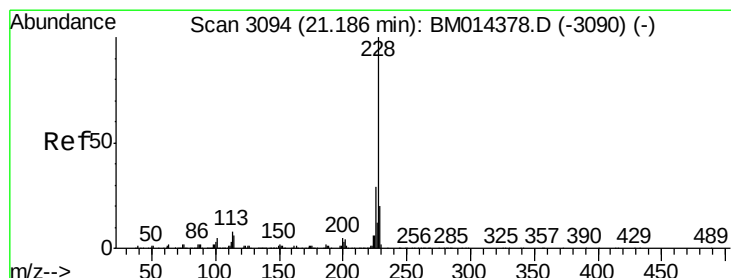
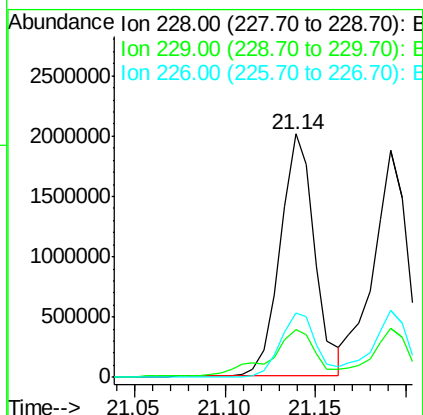
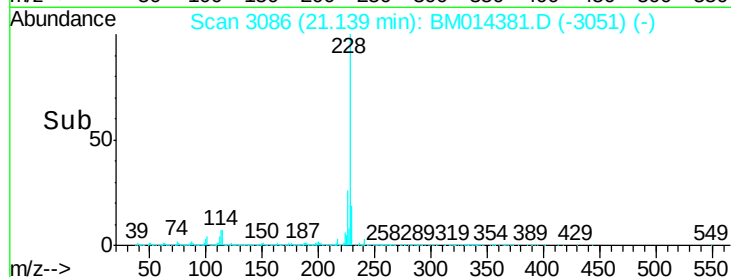
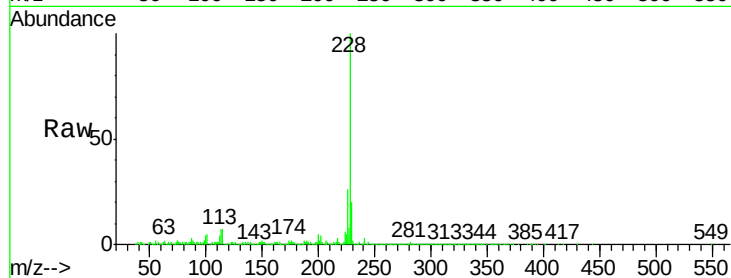
BNA_M

ClientSampleId :

BE5Y7

Tot Ion:228 Resp: 2678194

Ion	Ratio	Lower	Upper
228	100		
229	19.8	15.4	23.0
226	26.4	21.4	32.0



#82

Chrysene

Concen: 82.057 ng/ul

RT: 21.19 min Scan# 3095

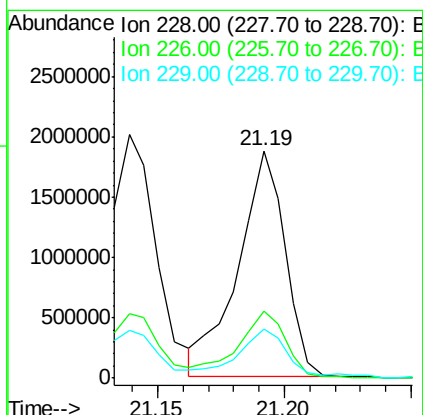
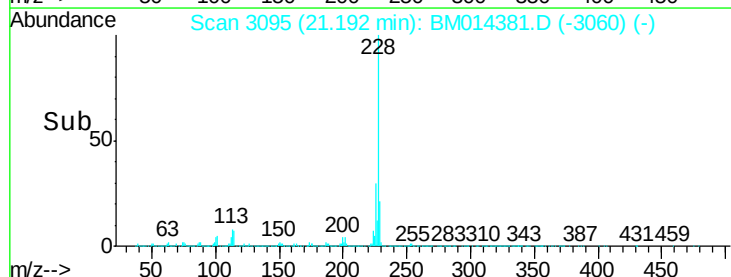
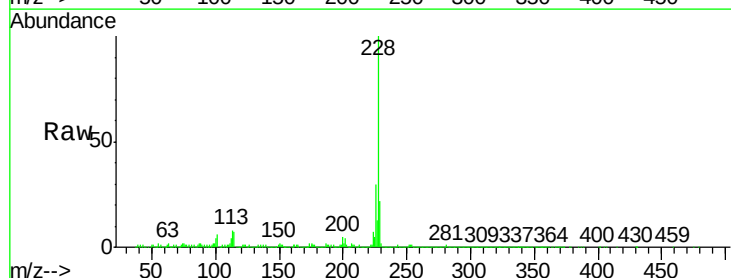
Delta R.T. 0.01 min

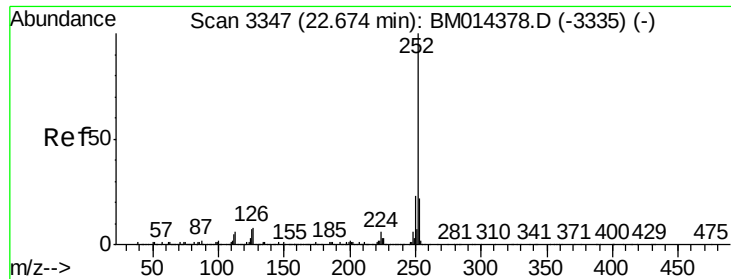
Lab File: BM014381.D

Acq: 27 Feb 2018 14:12

Tgt Ion:228 Resp: 2419603

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.4	35.2
229	21.8	15.5	23.3





#85

Benzo(b)fluoranthene

Concen: 95.341 ng/ul

RT: 22.69 min Scan# 3350

Delta R.T. 0.02 min

Lab File: BM014381.D

Acq: 27 Feb 2018 14:12

Instrument :

BNA_M

ClientSampleId :

BE5Y7

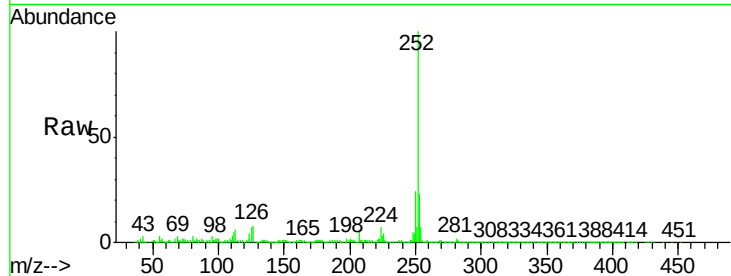
Tot Ion:252 Resp: 3095068

Ion Ratio Lower Upper

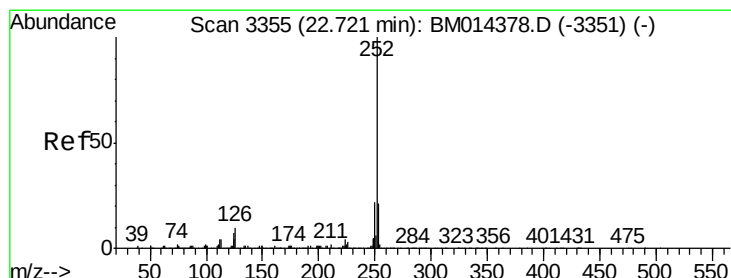
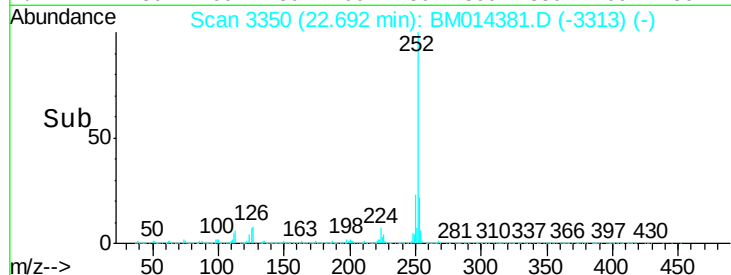
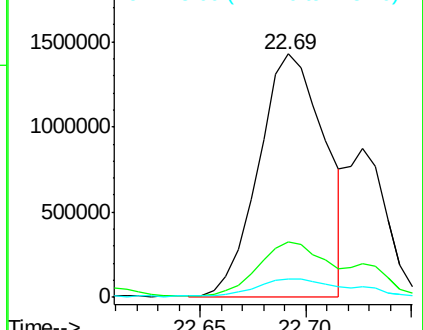
252 100

253 22.7 17.9 26.9

125 7.4 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: 35.404 ng/ul

RT: 22.73 min Scan# 3356

Delta R.T. 0.01 min

Lab File: BM014381.D

Acq: 27 Feb 2018 14:12

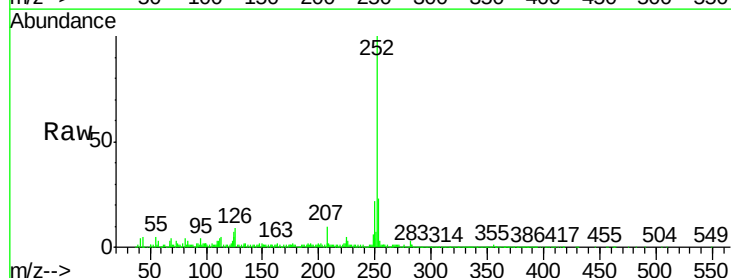
Tgt Ion:252 Resp: 1092736

Ion Ratio Lower Upper

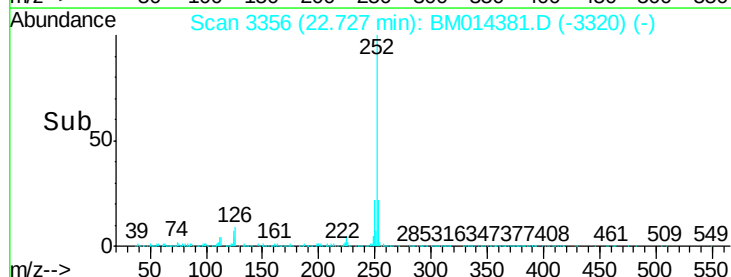
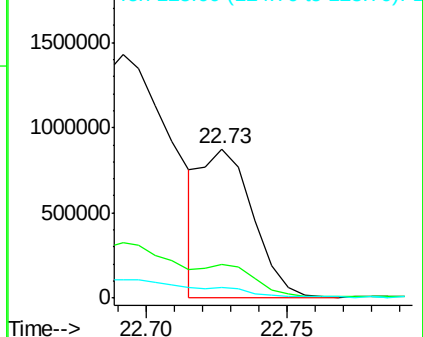
252 100

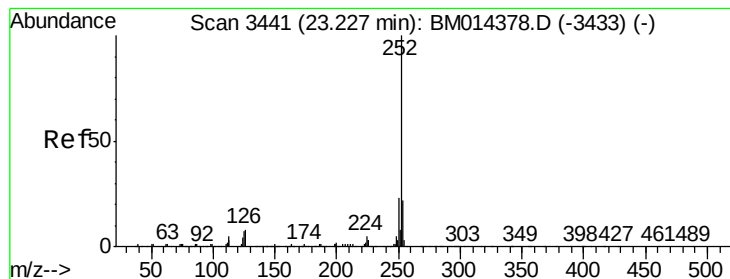
253 23.0 17.1 25.7

125 7.4 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: 76.689 ng/ul

RT: 23.24 min Scan# 3444

Delta R.T. 0.02 min

Lab File: BM014381.D

Acq: 27 Feb 2018 14:12

Instrument :

BNA_M

ClientSampleId :

BE5Y7

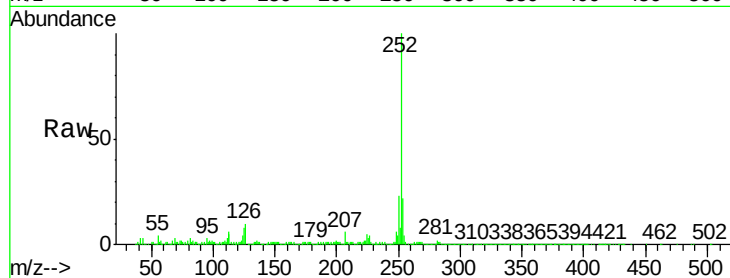
Tot Ion:252 Resp: 2224663

Ion Ratio Lower Upper

252 100

253 22.4 18.2 27.2

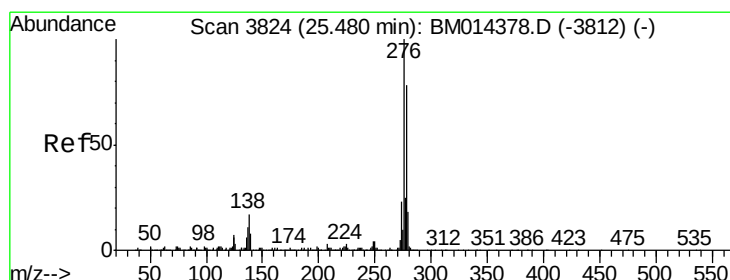
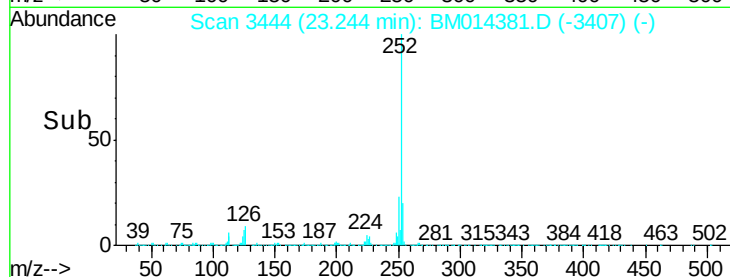
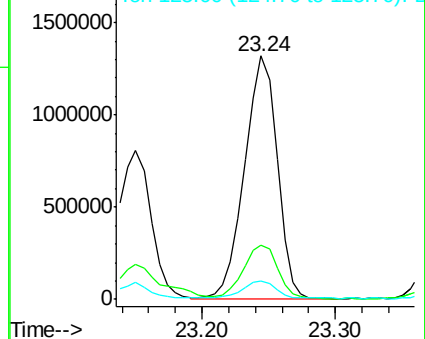
125 7.7 4.0 6.0#



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: 46.724 ng/ul

RT: 25.51 min Scan# 3829

Delta R.T. 0.04 min

Lab File: BM014381.D

Acq: 27 Feb 2018 14:12

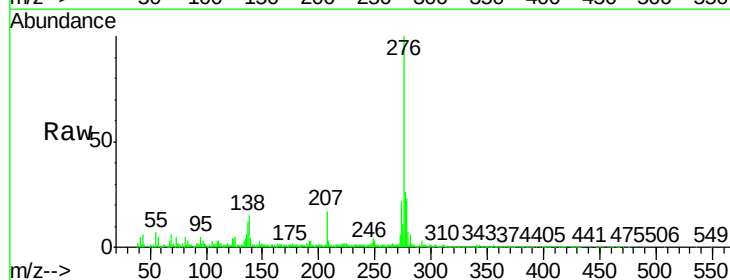
Tgt Ion:276 Resp: 1315270

Ion Ratio Lower Upper

276 100

138 14.7 9.3 13.9#

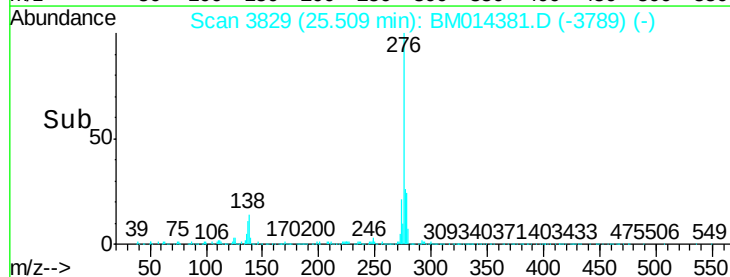
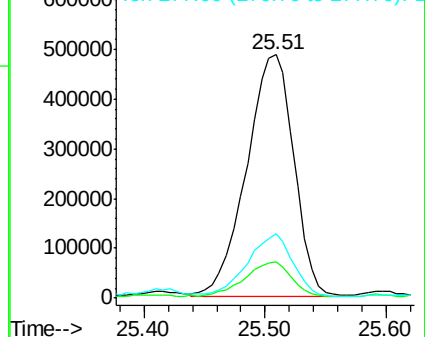
277 26.2 19.9 29.9

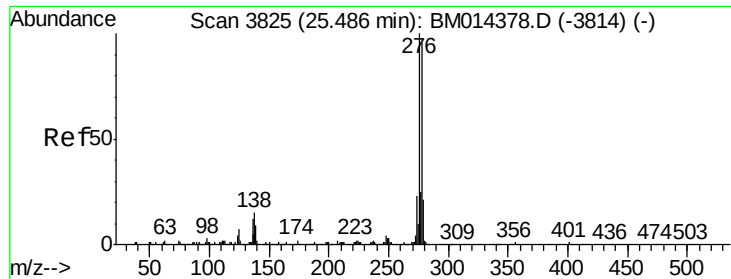


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 15.426 ng/ul

RT: 25.50 min Scan# 3828

Delta R.T. 0.02 min

Lab File: BM014381.D

Acq: 27 Feb 2018 14:12

Instrument :

BNA_M

ClientSampleId :

BE5Y7

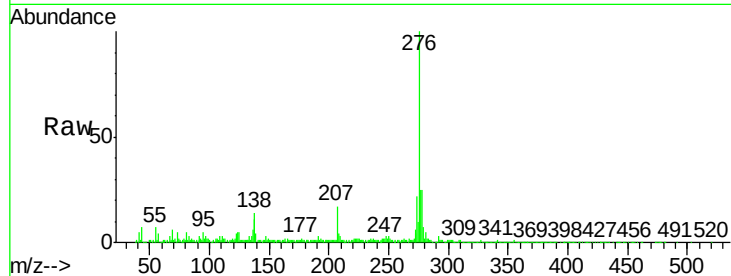
Tot Ion:278 Resp: 360810

Ion Ratio Lower Upper

278 100

139 14.4 5.8 8.8#

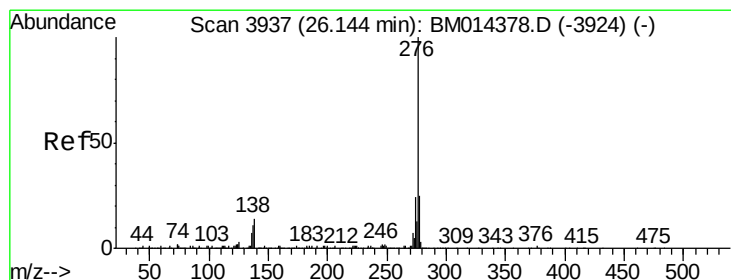
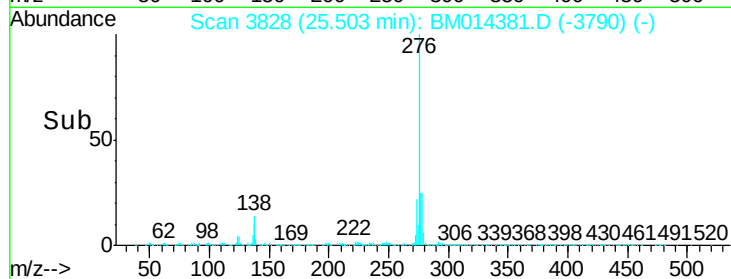
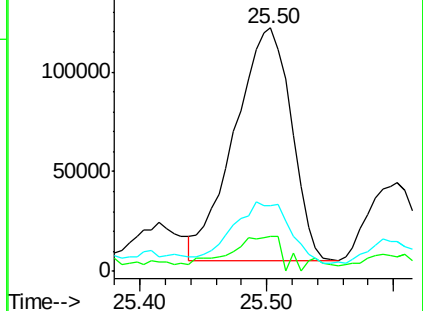
279 27.1 18.6 27.8



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: 40.471 ng/ul

RT: 26.17 min Scan# 3941

Delta R.T. 0.04 min

Lab File: BM014381.D

Acq: 27 Feb 2018 14:12

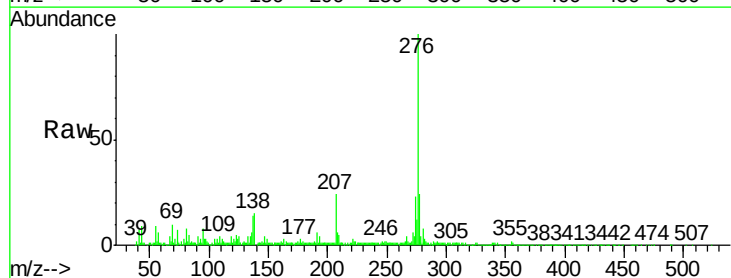
Tgt Ion:276 Resp: 922897

Ion Ratio Lower Upper

276 100

138 15.0 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

