

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM100119\
 Data File : BM022881.D
 Acq On : 02 Oct 2019 07:59
 Operator : JU
 Sample : K4932-14
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BFDM5

Quant Time: Oct 02 14:39:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Sep 27 18:03:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	327405	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.59	136	1390170	20.00	ng/ul	-0.01
36) Acenaphthene-d10	14.44	164	804314	20.00	ng/ul	-0.01
62) Phenanthrene-d10	17.17	188	1363784	20.00	ng/ul	-0.01
78) Chrysene-d12	21.36	240	1016575	20.00	ng/ul	-0.01
86) Perylene-d12	23.63	264	1183138	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	39203	5.18	ng/uL	0.00
5) Phenol-d5	6.97	99	208367	7.20	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	387208	24.46	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.33	132	494839	21.24	ng/ul	-0.01
13) 4-Methylphenol-d8	8.50	113	353882	14.94	ng/ul	-0.01
19) Nitrobenzene-d5	8.96	128	291733	27.19	ng/ul	0.00
22) 2-Nitrophenol-d4	9.67	143	319964	27.31	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.22	165	570181	24.44	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.72	131	317156	11.19	ng/ul	-0.01
44) Dimethylphthalate-d6	13.84	166	1728624	27.69	ng/ul	-0.01
47) Acenaphthylene-d8	14.13	160	1983514	27.52	ng/ul	-0.01
52) 4-Nitrophenol-d4	14.64	143	86516	7.01	ng/ul	0.00
58) Fluorene-d10	15.43	176	1420833	26.71	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	15.54	200	234521	26.42	ng/ul	-0.01
71) Anthracene-d10	17.27	188	1974728	29.65	ng/ul	-0.01
79) Pyrene-d10	19.57	212	1827995	33.41	ng/ul	-0.01
90) Benzo(a)pyrene-d12	23.48	264	1833240	29.95	ng/ul	-0.02

Target Compounds

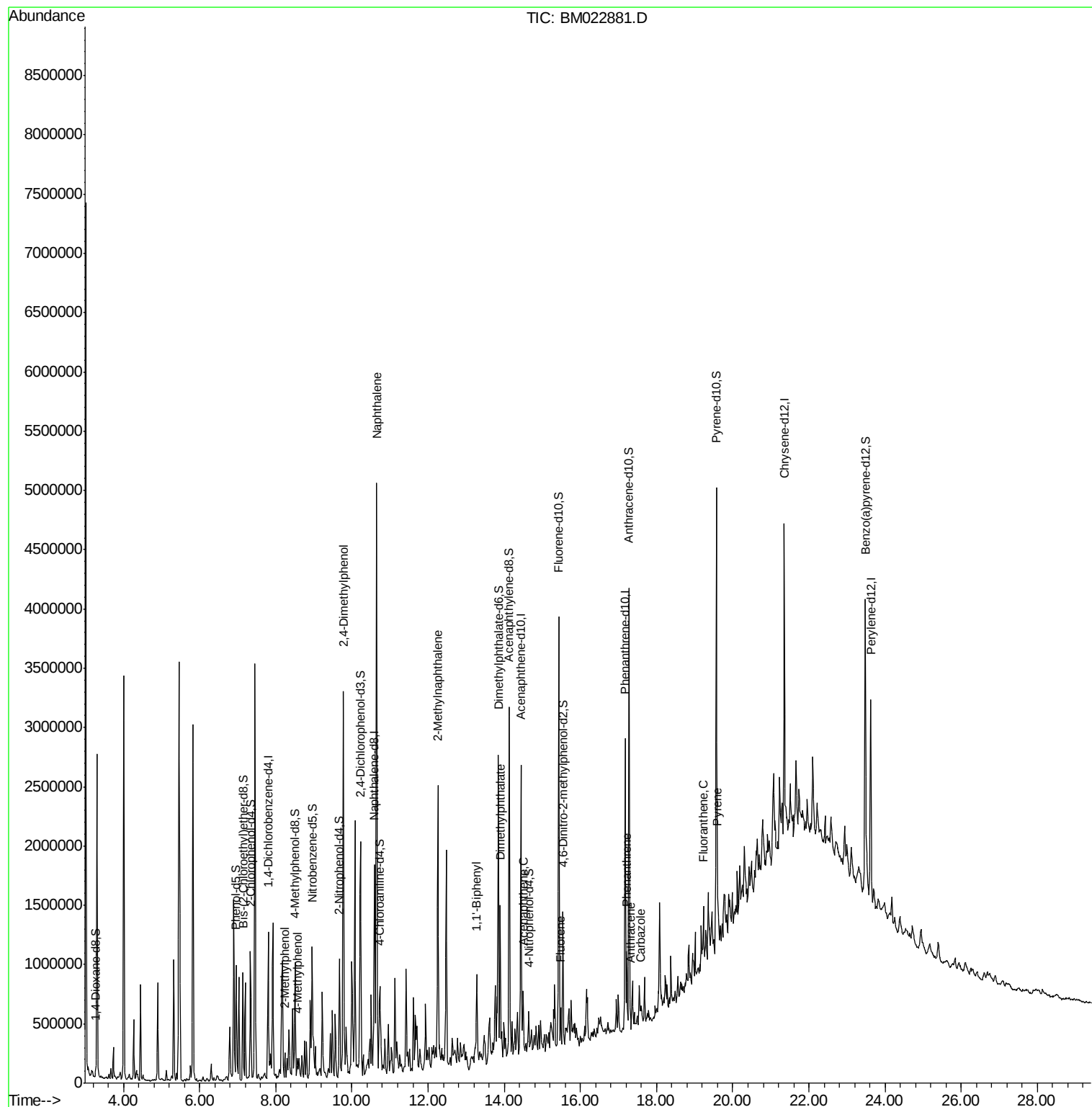
					Qvalue
11) 2-Methylphenol	8.24	108	70379	3.011	ng/ul 98
16) 4-Methylphenol	8.57	108	57857	2.239	ng/ul 98
24) 2,4-Dimethylphenol	9.77	107	1188859	45.570	ng/ul 99
28) Naphthalene	10.65	128	4029846	53.676	ng/ul 99
34) 2-Methylnaphthalene	12.26	142	1117786	19.858	ng/ul 100
41) 1,1'-Biphenyl	13.27	154	90205	1.370	ng/ul 97
45) Dimethylphthalate	13.89	163	808898	12.614	ng/ul 99
50) Acenaphthene	14.50	153	210370	3.881	ng/ul 99
59) Fluorene	15.49	166	129963	2.078	ng/ul 99
70) Phenanthrene	17.22	178	368818	4.531	ng/ul 99
72) Anthracene	17.31	178	96738	1.166	ng/ul 96
75) Carbazole	17.57	167	88002	1.194	ng/ul# 94
77) Fluoranthene	19.23	202	122318	1.336	ng/ul 96
80) Pyrene	19.60	202	164561	2.284	ng/ul 96

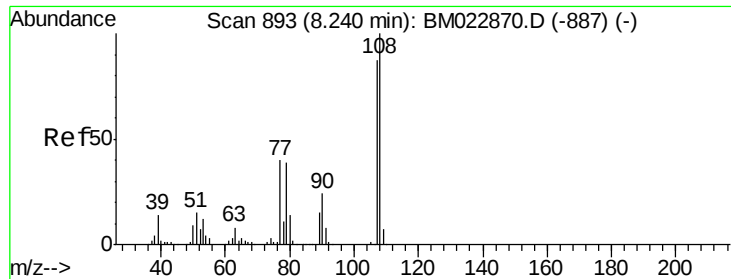
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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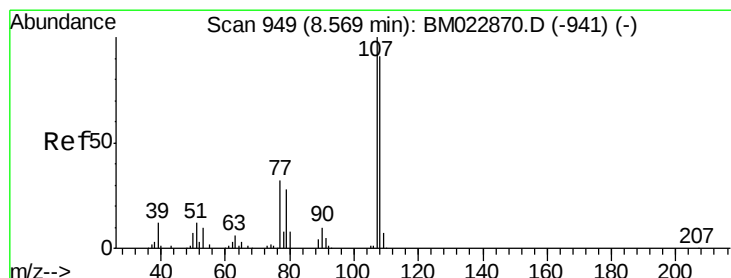
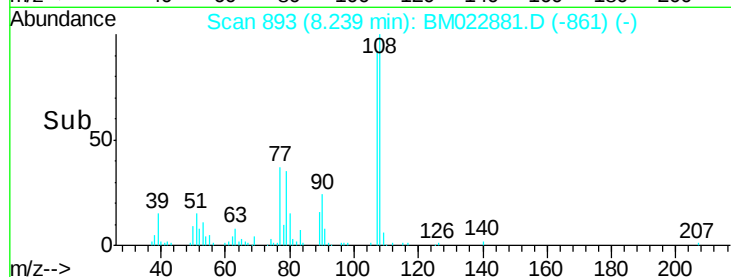
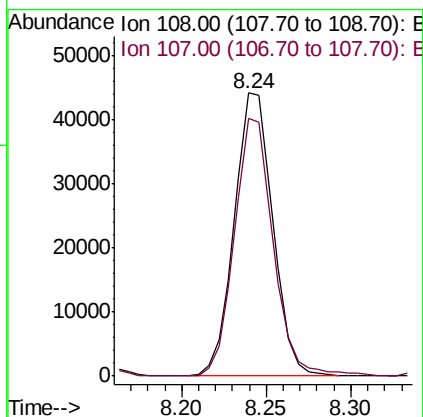
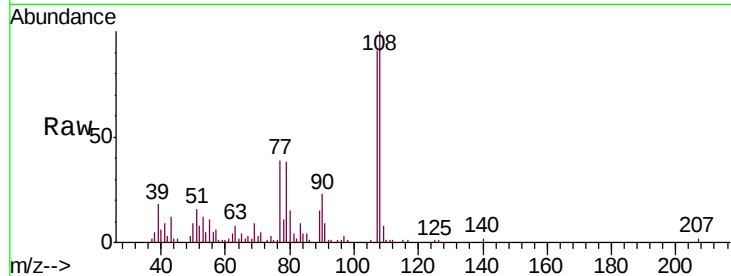




#11
2-Methylphenol
Concen: 3.011 ng/ul
RT: 8.24 min Scan# 893
Delta R.T. -0.01 min
Lab File: BM022881.D
Acq: 02 Oct 2019 07:59

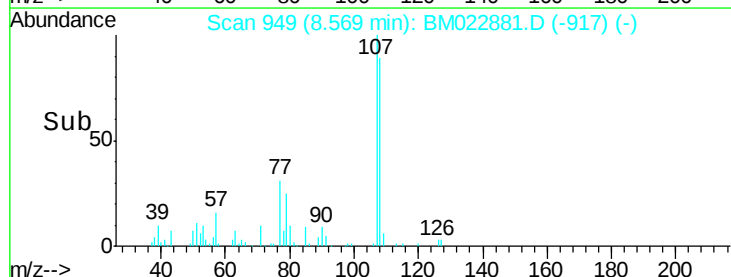
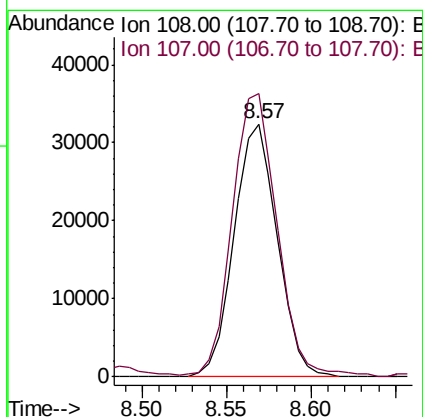
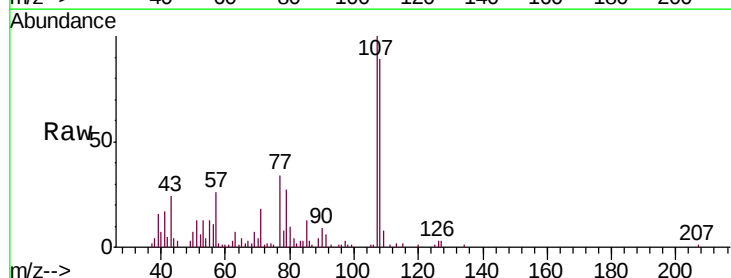
Instrument :
BNA_M
ClientSampleId :
BFDM5

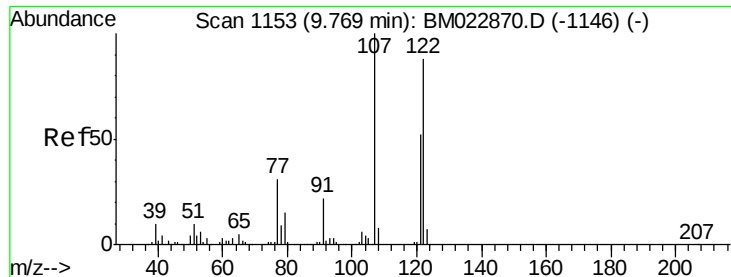
Tgt Ion:108 Resp: 70379
Ion Ratio Lower Upper
108 100
107 91.0 71.0 106.4



#16
4-Methylphenol
Concen: 2.239 ng/ul
RT: 8.57 min Scan# 949
Delta R.T. -0.01 min
Lab File: BM022881.D
Acq: 02 Oct 2019 07:59

Tgt Ion:108 Resp: 57857
Ion Ratio Lower Upper
108 100
107 111.9 87.9 131.9





#24

2,4-Dimethylphenol

Concen: 45.570 ng/ul

RT: 9.77 min Scan# 1154

Delta R.T. -0.01 min

Lab File: BM022881.D

Acq: 02 Oct 2019 07:59

Instrument :

BNA_M

ClientSampleId :

BFDM5

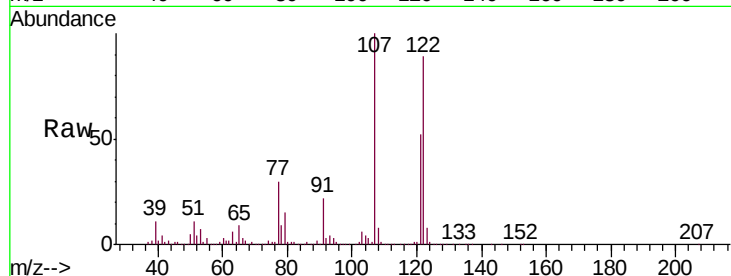
Tgt Ion:107 Resp: 1188859

Ion Ratio Lower Upper

107 100

121 52.3 43.0 64.4

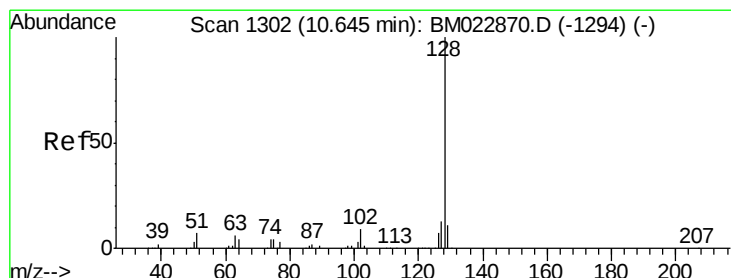
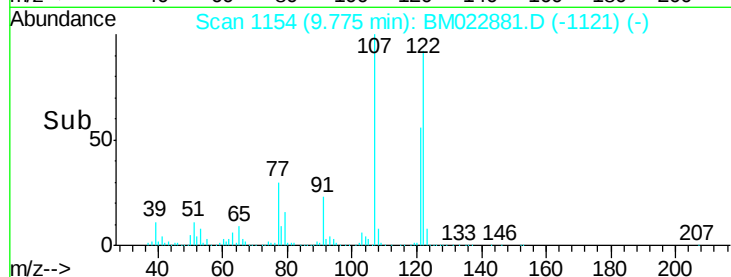
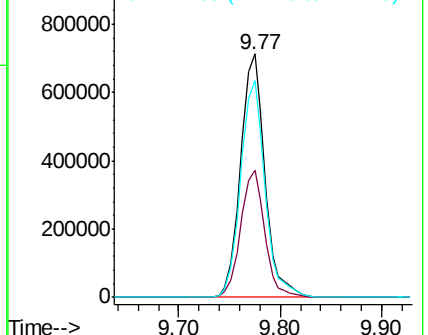
122 89.0 71.4 107.0



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E



#28

Naphthalene

Concen: 53.676 ng/ul

RT: 10.65 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BM022881.D

Acq: 02 Oct 2019 07:59

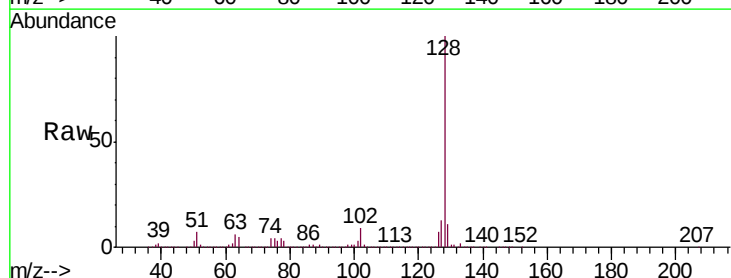
Tgt Ion:128 Resp: 4029846

Ion Ratio Lower Upper

128 100

129 11.4 8.6 13.0

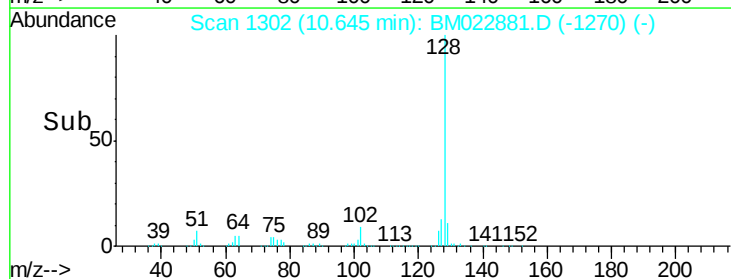
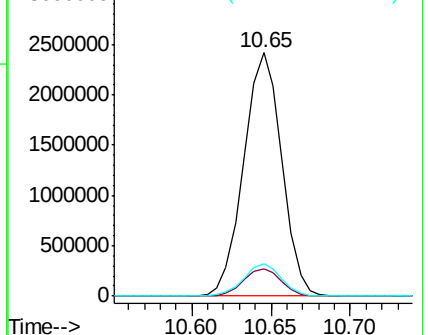
127 13.2 10.2 15.4

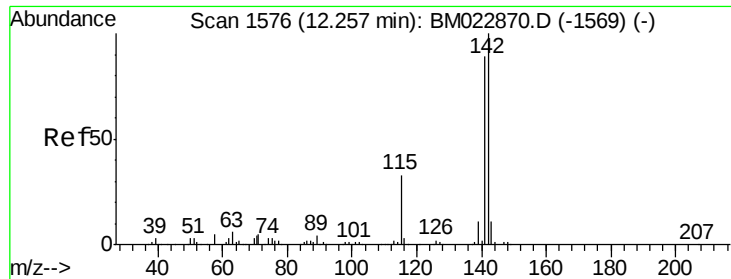


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

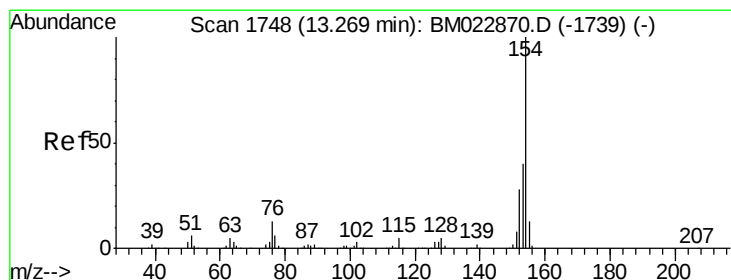
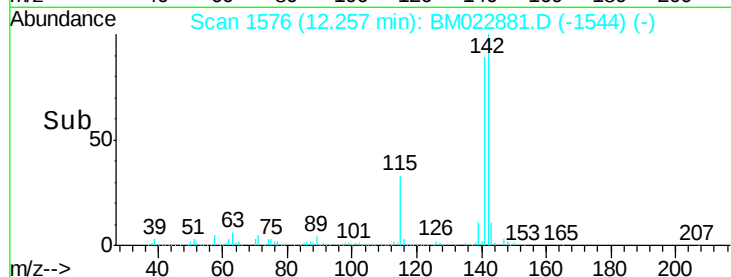
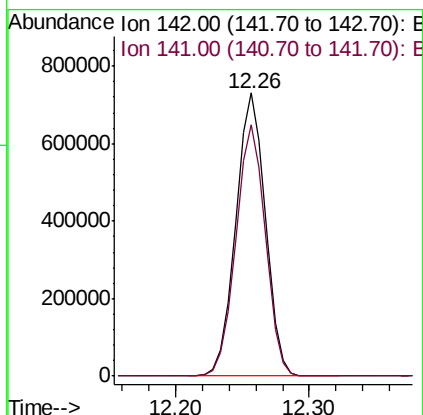
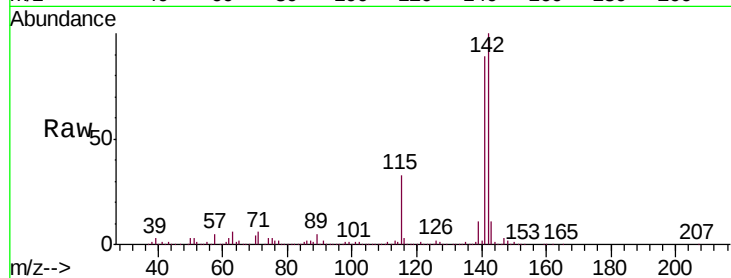




#34
 2-Methylnaphthalene
 Concen: 19.858 ng/ul
 RT: 12.26 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BM022881.D
 Acq: 02 Oct 2019 07:59

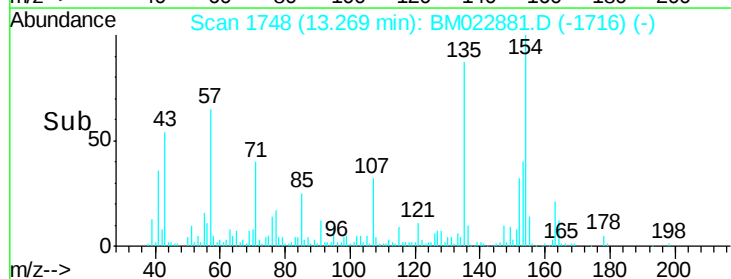
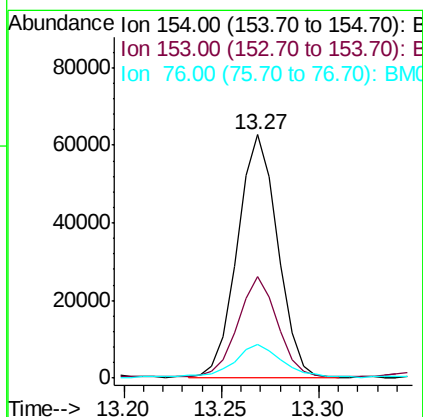
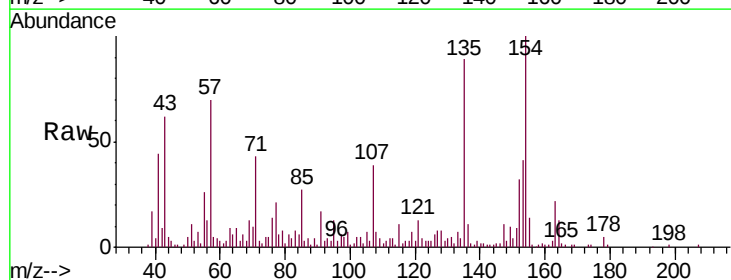
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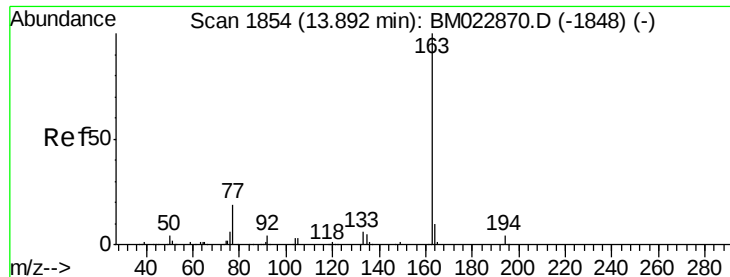
Tgt Ion:142 Resp: 1117786
 Ion Ratio Lower Upper
 142 100
 141 88.7 71.2 106.8



#41
 1,1'-Biphenyl
 Concen: 1.370 ng/ul
 RT: 13.27 min Scan# 1748
 Delta R.T. -0.01 min
 Lab File: BM022881.D
 Acq: 02 Oct 2019 07:59

Tgt Ion:154 Resp: 90205
 Ion Ratio Lower Upper
 154 100
 153 41.5 31.8 47.6
 76 13.8 9.6 14.4





#45

Dimethylphthalate

Concen: 12.614 ng/ul

RT: 13.89 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BM022881.D

Acq: 02 Oct 2019 07:59

Instrument :

BNA_M

ClientSampleId :

BFDM5

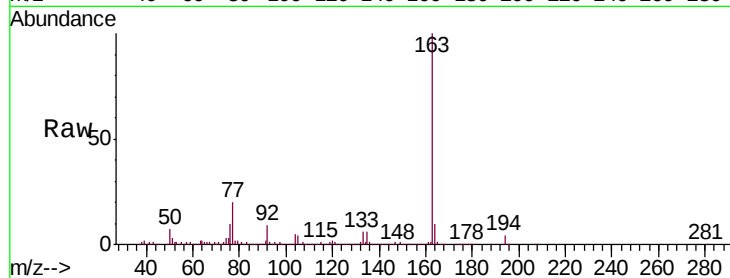
Tgt Ion:163 Resp: 808898

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.0

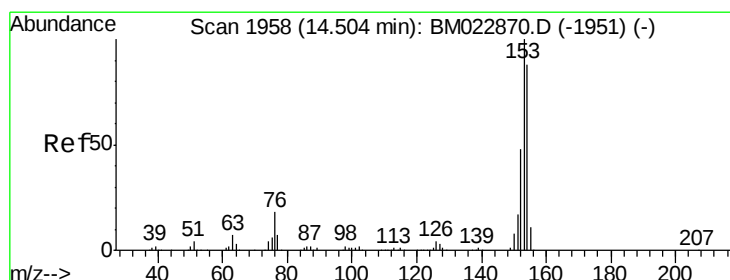
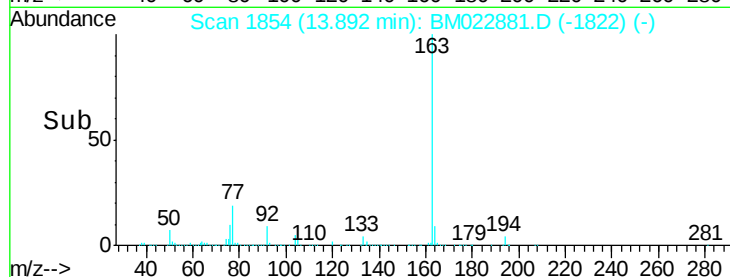
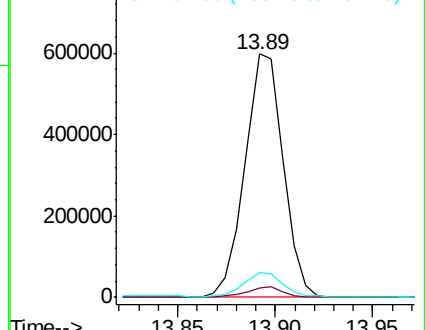
164 10.3 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

800000 Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

Acenaphthene

Concen: 3.881 ng/ul

RT: 14.50 min Scan# 1957

Delta R.T. -0.02 min

Lab File: BM022881.D

Acq: 02 Oct 2019 07:59

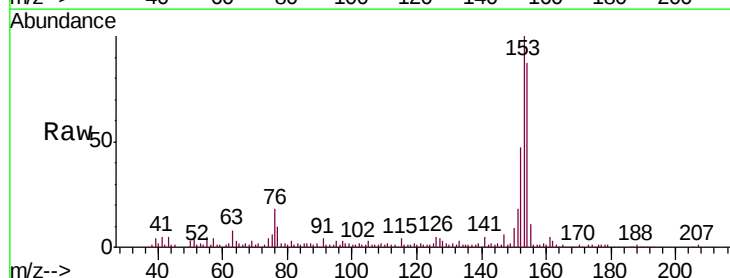
Tgt Ion:153 Resp: 210370

Ion Ratio Lower Upper

153 100

152 47.3 38.1 57.1

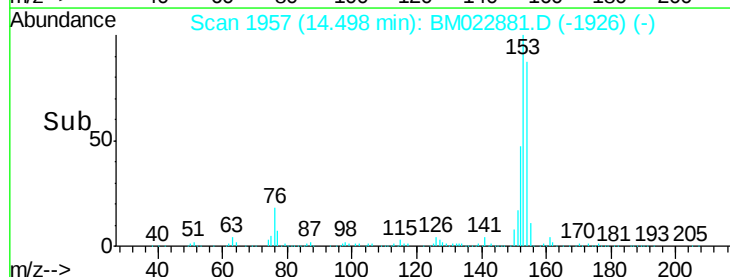
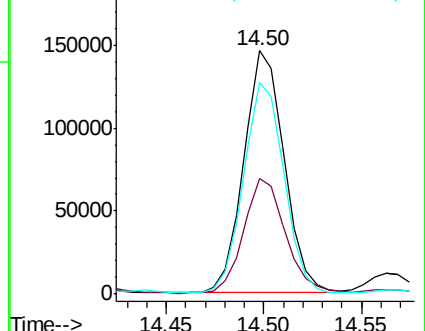
154 87.1 71.1 106.7

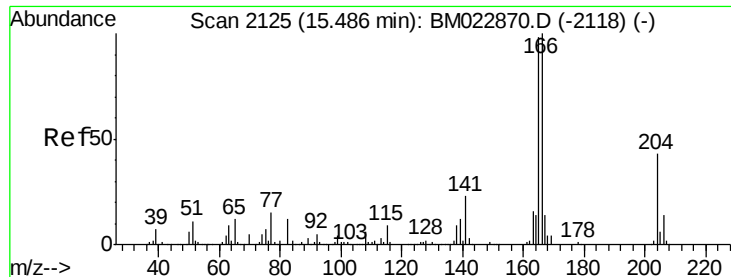


Abundance Ion 153.00 (152.70 to 153.70): E

200000 Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#59

Fluorene

Concen: 2.078 ng/ul

RT: 15.49 min Scan# 2125

Delta R.T. -0.01 min

Lab File: BM022881.D

Acq: 02 Oct 2019 07:59

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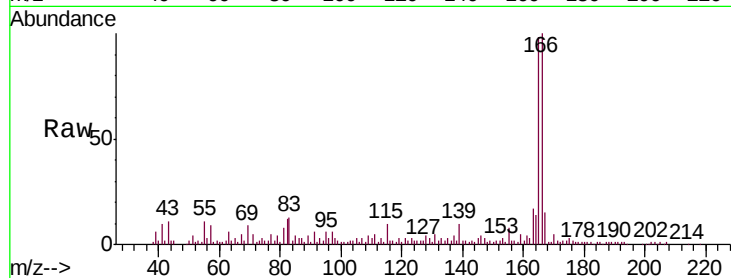
Tgt Ion:166 Resp: 129963

Ion Ratio Lower Upper

166 100

165 97.7 77.7 116.5

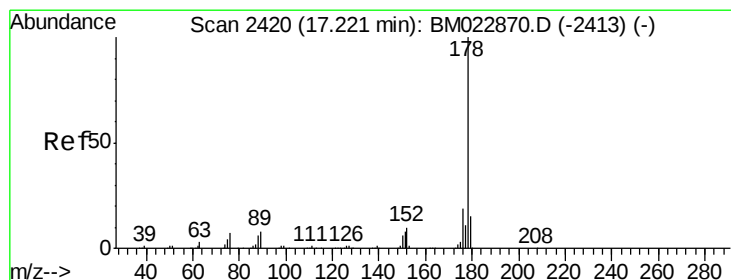
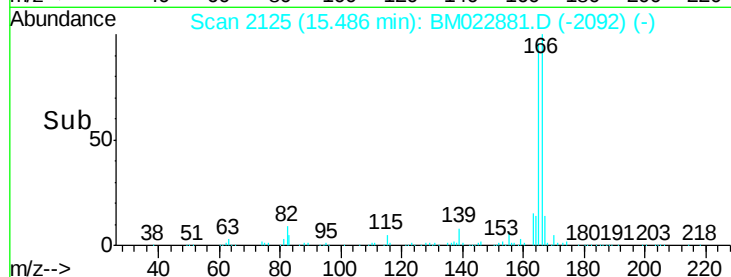
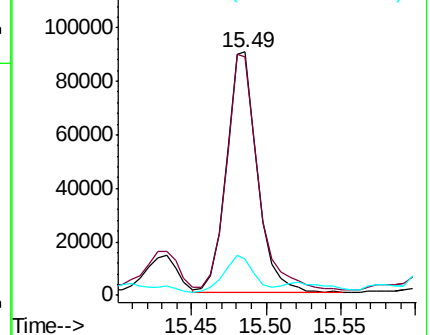
167 15.0 11.0 16.4



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



#70

Phenanthrene

Concen: 4.531 ng/ul

RT: 17.22 min Scan# 2419

Delta R.T. -0.01 min

Lab File: BM022881.D

Acq: 02 Oct 2019 07:59

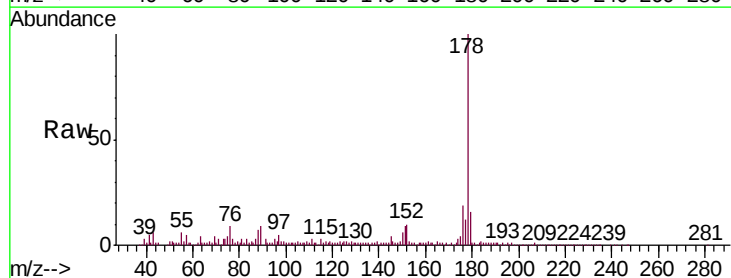
Tgt Ion:178 Resp: 368818

Ion Ratio Lower Upper

178 100

179 15.8 12.4 18.6

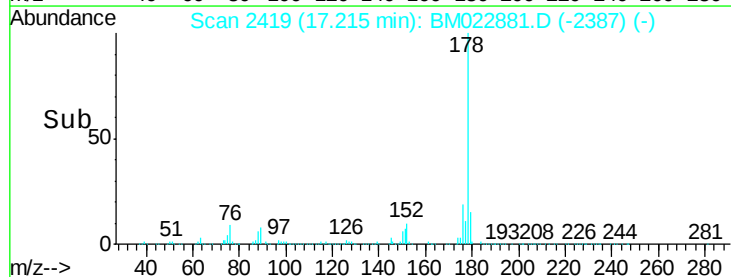
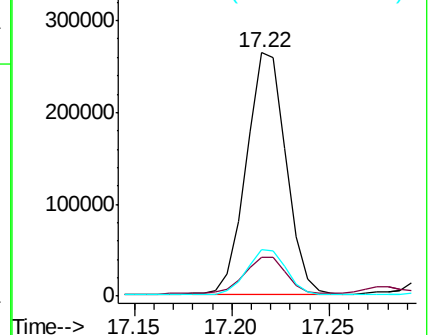
176 19.2 15.3 22.9

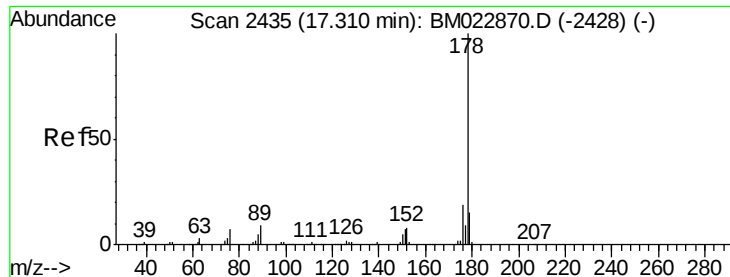


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 1.166 ng/ul

RT: 17.31 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BM022881.D

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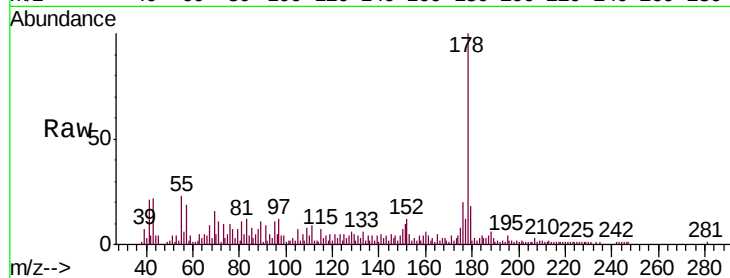
Tgt Ion:178 Resp: 96738

Ion Ratio Lower Upper

178 100

179 17.5 12.4 18.6

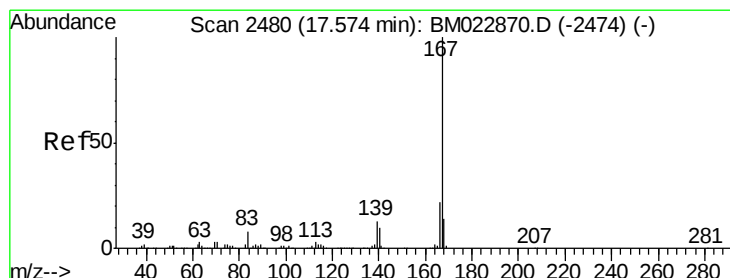
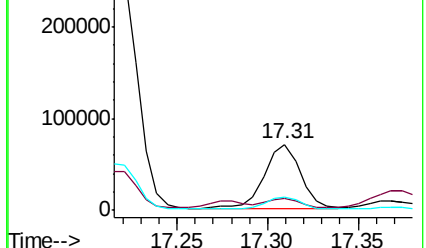
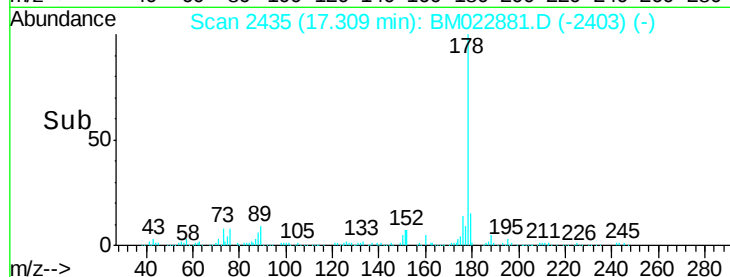
176 20.3 15.0 22.6



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



#75

Carbazole

Concen: 1.194 ng/ul

RT: 17.57 min Scan# 2480

Delta R.T. -0.01 min

Lab File: BM022881.D

Acq: 02 Oct 2019 07:59

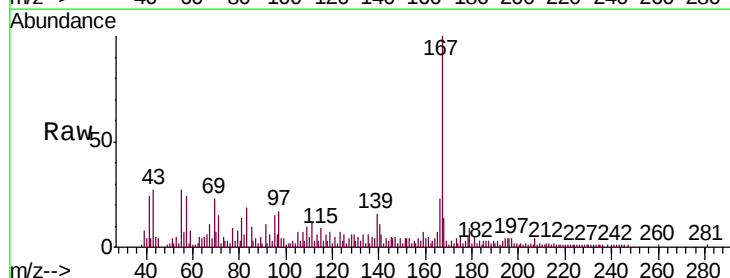
Tgt Ion:167 Resp: 88002

Ion Ratio Lower Upper

167 100

166 23.0 17.1 25.7

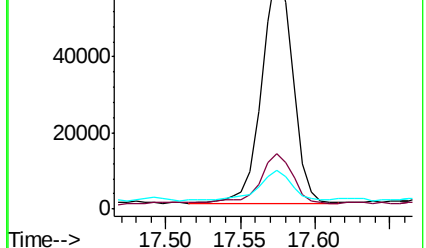
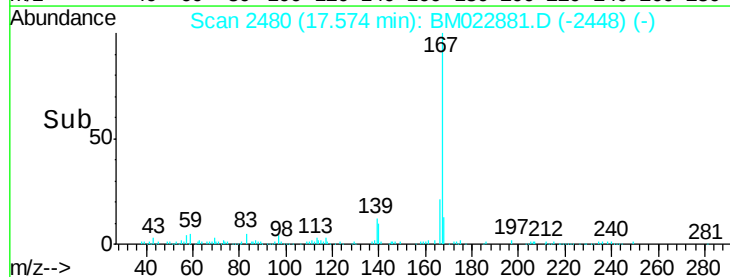
139 16.1 9.9 14.9#

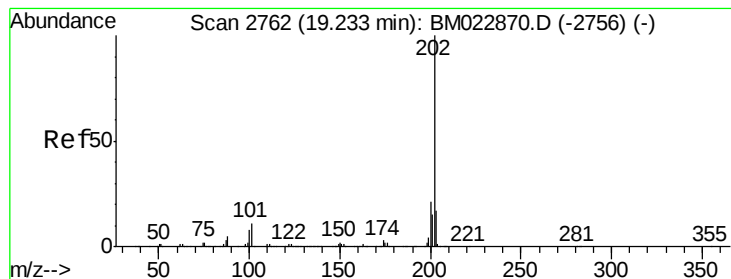


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 1.336 ng/ul

RT: 19.23 min Scan# 2762

Delta R.T. -0.01 min

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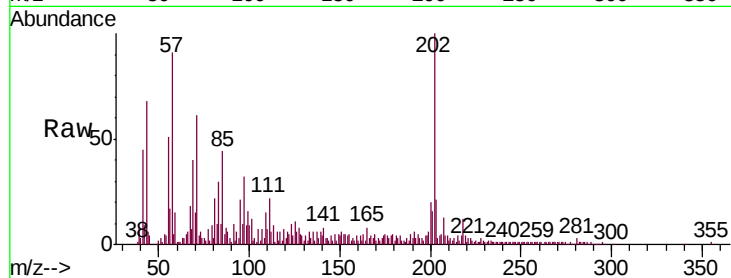
Tgt Ion:202 Resp: 122318

Ion Ratio Lower Upper

202 100

101 12.2 8.6 12.8

100 9.5 6.4 9.6

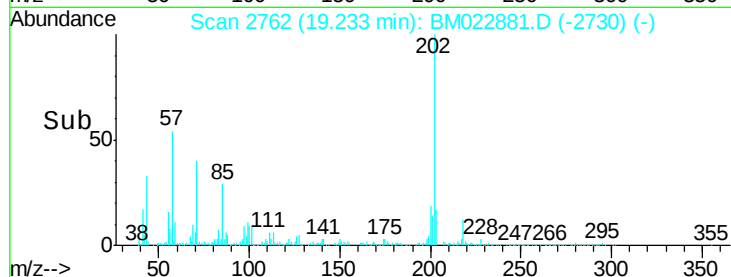


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

Time-->



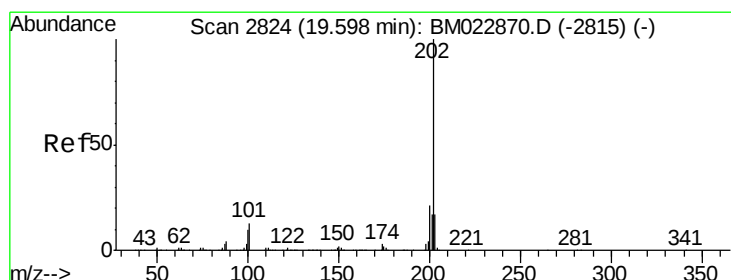
Abundance

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

Pyrene

Concen: 2.284 ng/ul

RT: 19.60 min Scan# 2824

Delta R.T. -0.01 min

Lab File: BM022881.D

Acq: 02 Oct 2019 07:59

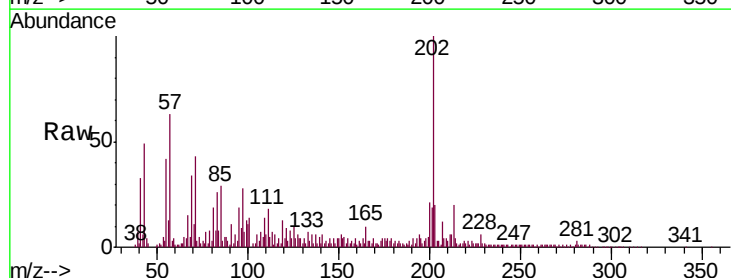
Tgt Ion:202 Resp: 164561

Ion Ratio Lower Upper

202 100

101 13.8 9.7 14.5

100 11.0 7.8 11.8

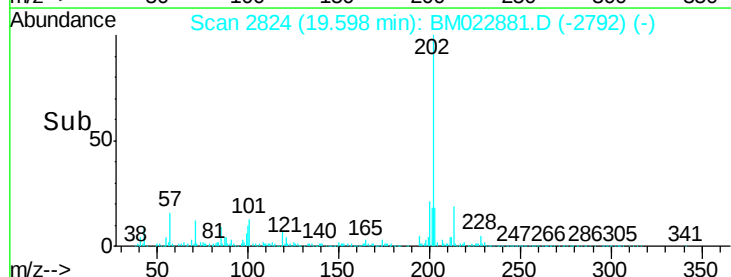


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

Time-->



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-->