

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 :

Quant Time: Oct 02 08:44:38 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

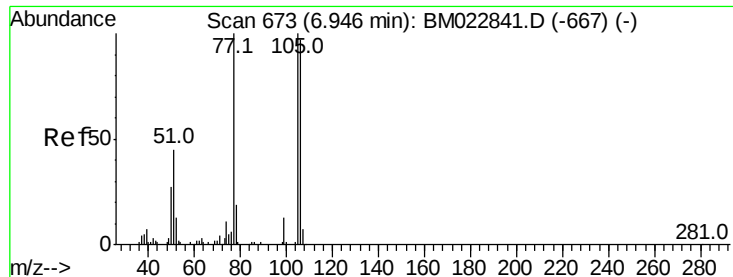
System Monitoring Compounds

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

					Ovalue	
4) Benzaldehyde	6.95	77	98340	7.501	ng/ul#	1
11) 2-Methylphenol	8.24	108	70379	3.011	ng/ul	98
14) Acetophenone	8.61	105	126258	3.487	ng/ul#	43
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
35) 1-Methylnaphthalene	12.47	142	824069	15.328	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



#4

Benzaldehyde

Concen: 7.501 ng/ul

RT: 6.95 min Scan# 674

Delta R.T. -0.00 min

Lab File: BM022881.D

Acq: 02 Oct 2019 07:59

Instrument :

BNA_M

ClientSampled :

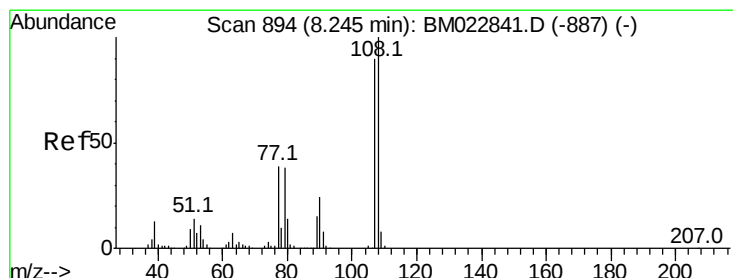
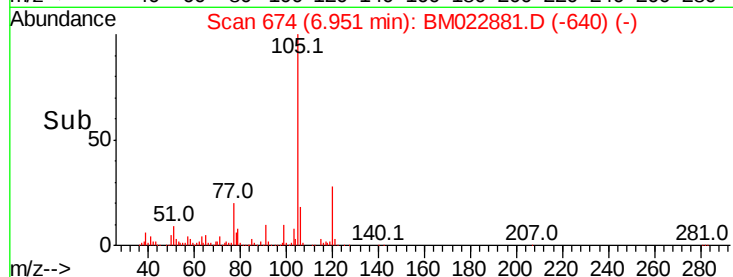
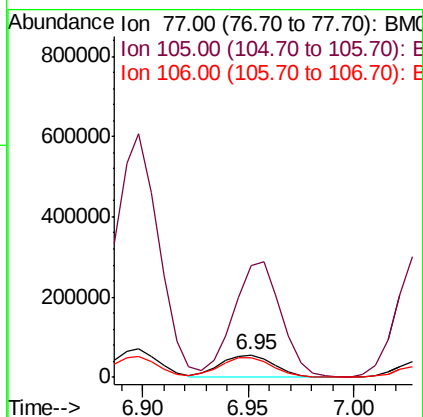
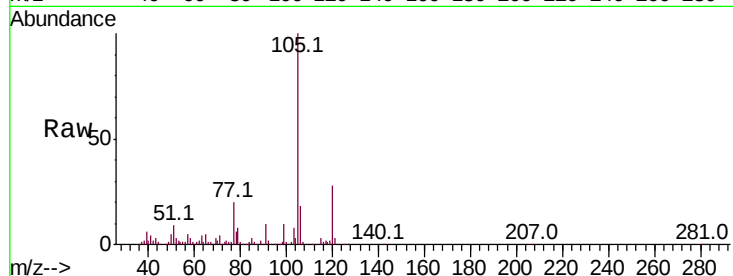
Tot Ion: 77 Resp: 98340

Ion Ratio Lower Upper

77 100

105 503.9 80.6 120.8#

106 88.8 77.0 115.6



#11

2-Methylphenol

Concen: 3.011 ng/ul

RT: 8.24 min Scan# 893

Delta R.T. -0.01 min

Lab File: BM022881.D

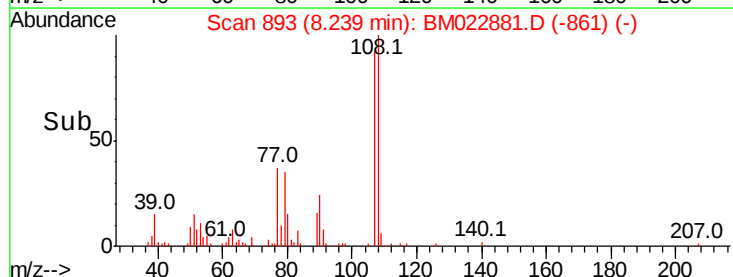
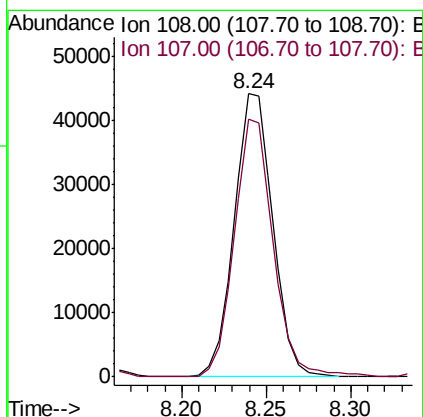
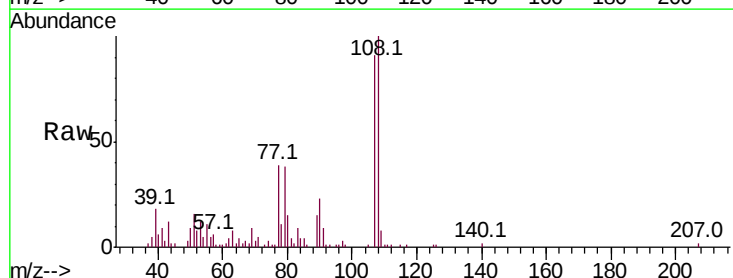
Acq: 02 Oct 2019 07:59

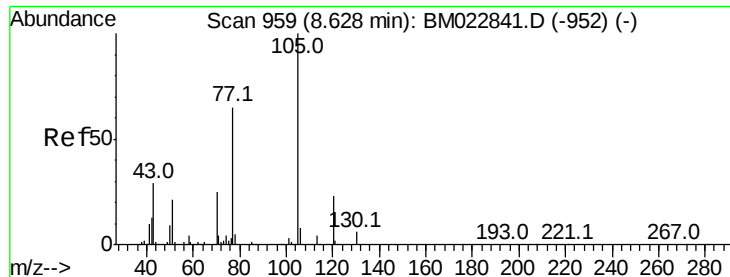
Tgt Ion: 108 Resp: 70379

Ion Ratio Lower Upper

108 100

107 91.0 71.0 106.4





#14

Acetophenone

Concen: 3.487 ng/ul

RT: 8.61 min Scan# 956

Delta R.T. -0.02 min

Lab File: BM022881.D

Acq: 02 Oct 2019 07:59

Instrument :

BNA_M

ClientSampleId :

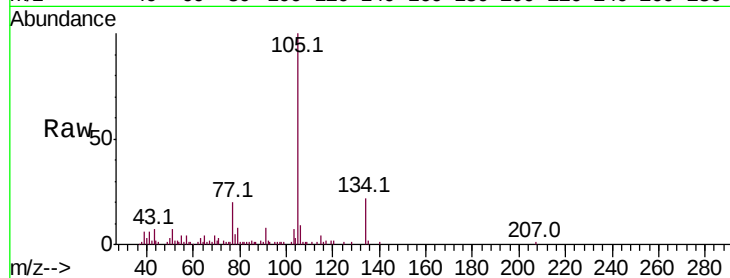
Tot Ion:105 Resp: 126258

Ion Ratio Lower Upper

105 100

77 20.0 59.4 89.0#

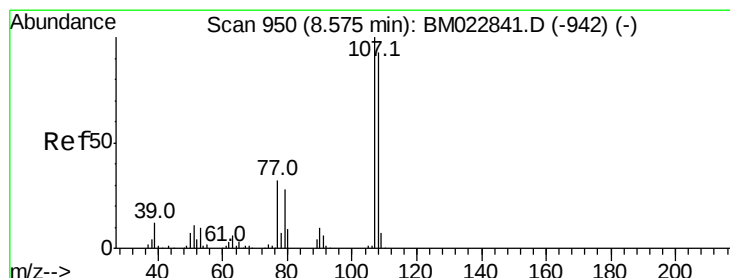
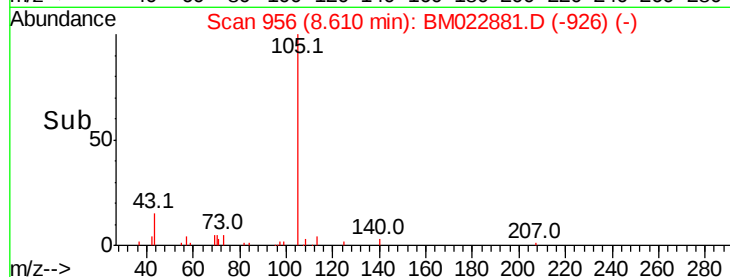
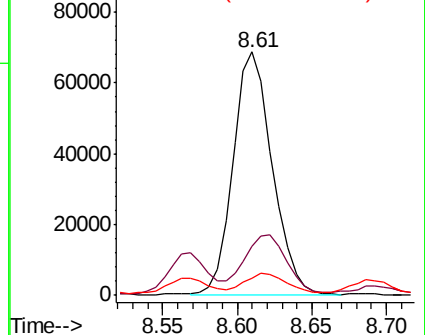
51 7.0 19.4 29.0#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0



#16

4-Methylphenol

Concen: 2.239 ng/ul

RT: 8.57 min Scan# 949

Delta R.T. -0.01 min

Lab File: BM022881.D

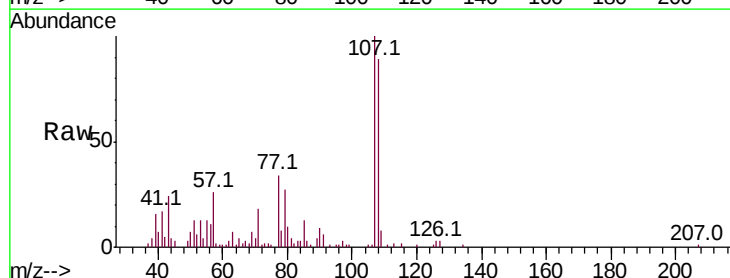
Acq: 02 Oct 2019 07:59

Tgt Ion:108 Resp: 57857

Ion Ratio Lower Upper

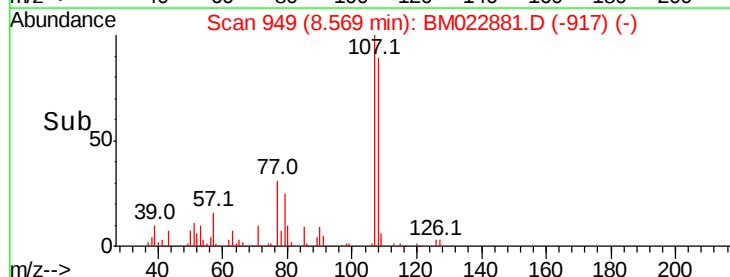
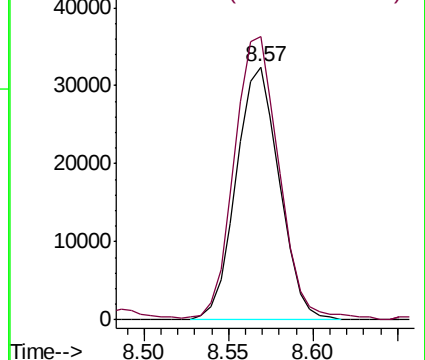
108 100

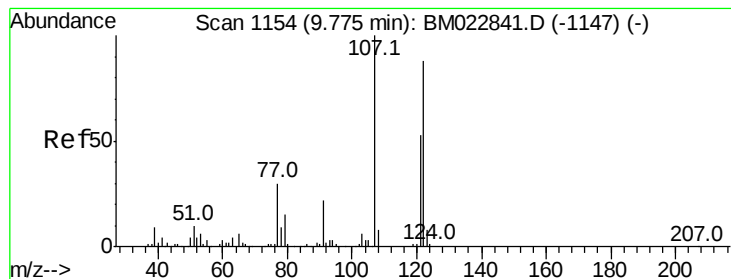
107 111.9 87.9 131.9



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

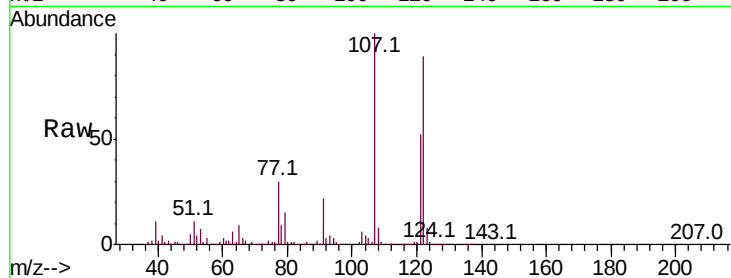




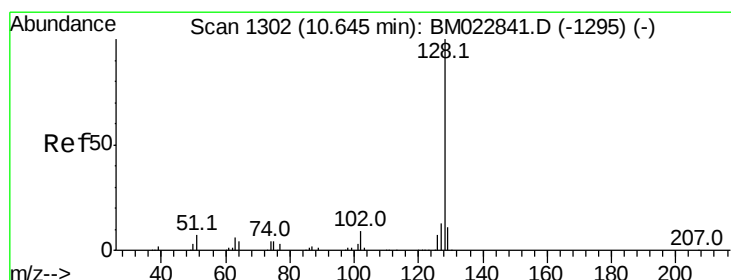
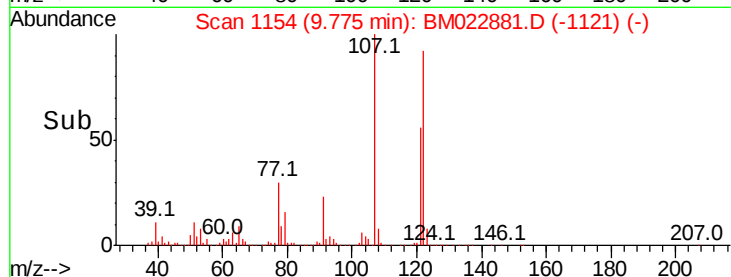
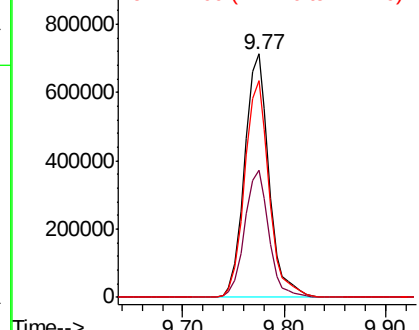
#24
2,4-Dimethylphenol
Concen: 45.570 ng/ul
RT: 9.77 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BM022881.D
Acq: 02 Oct 2019 07:59

Instrument :
BNA_M
ClientSampleId :

Tot Ion:107 Resp: 1188859
Ion Ratio Lower Upper
107 100
121 52.3 43.0 64.4
122 89.0 71.4 107.0

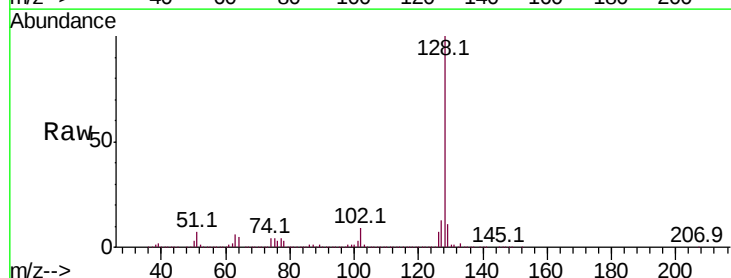


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E
Ion 122.00 (121.70 to 122.70): E

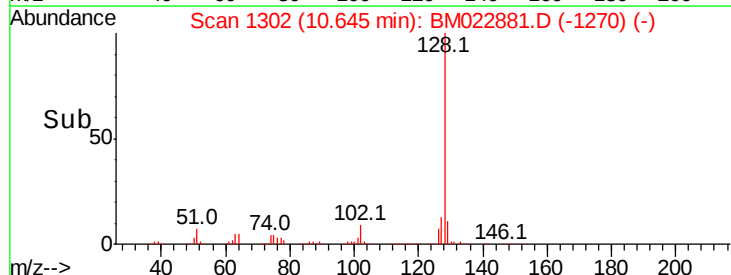
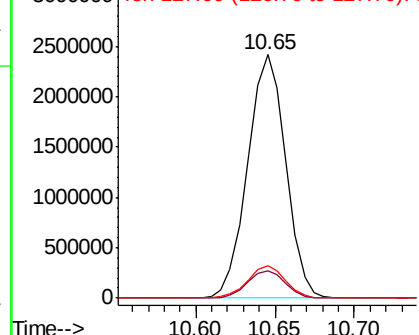


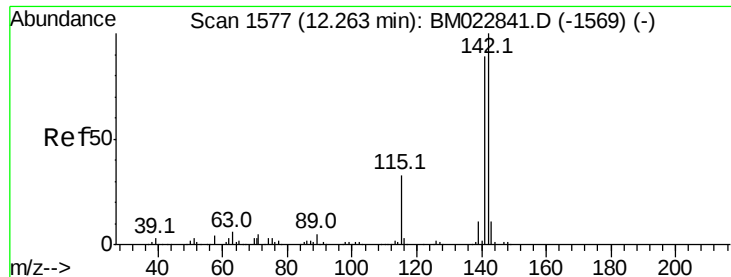
#28
Naphthalene
Concen: 53.676 ng/ul
RT: 10.65 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BM022881.D
Acq: 02 Oct 2019 07:59

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

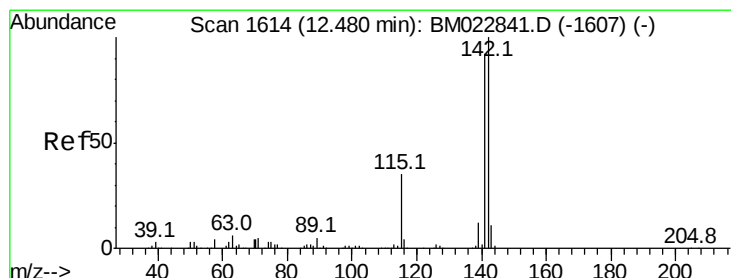
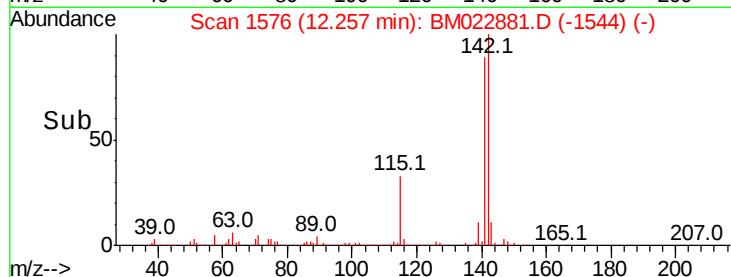
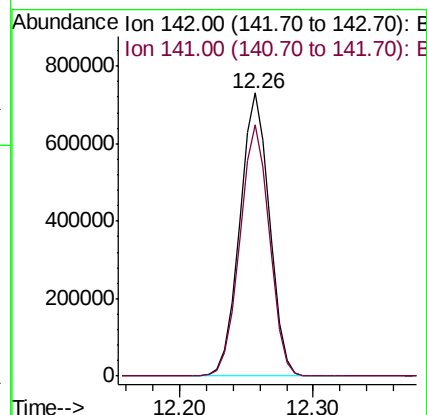
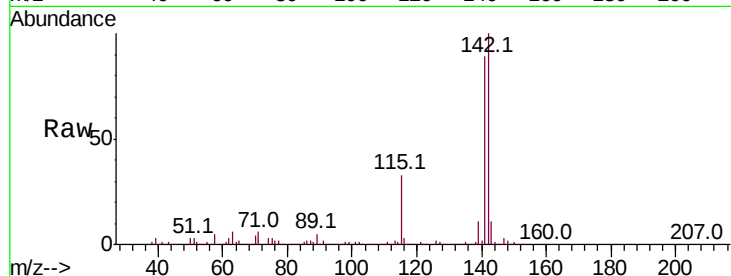




#34
2-Methylnaphthalene
Concen: 19.858 ng/ul
RT: 12.26 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BM022881.D
Acq: 02 Oct 2019 07:59

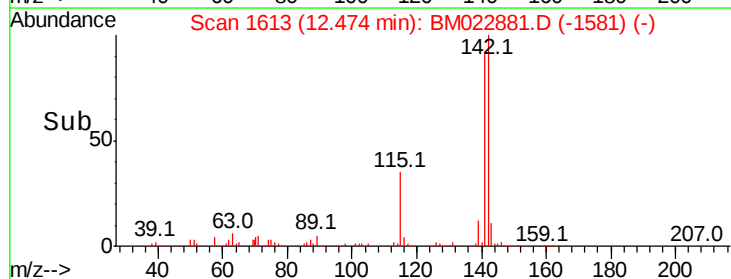
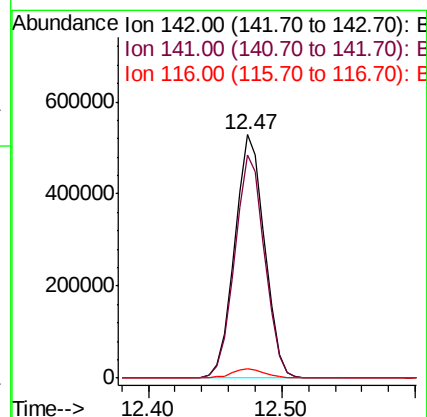
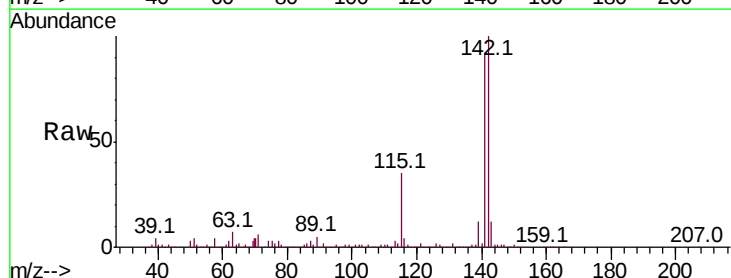
Instrument :
BNA_M
ClientSampleId :

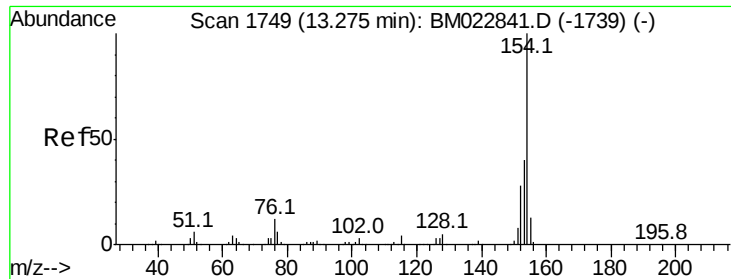
Tot Ion:142 Resp: 1117786
Ion Ratio Lower Upper
142 100
141 88.7 71.2 106.8



#35
1-Methylnaphthalene
Concen: 15.328 ng/ul
RT: 12.47 min Scan# 1613
Delta R.T. -0.01 min
Lab File: BM022881.D
Acq: 02 Oct 2019 07:59

Tgt Ion:142 Resp: 824069
Ion Ratio Lower Upper
142 100
141 91.7 73.0 109.6
116 3.8 2.9 4.3

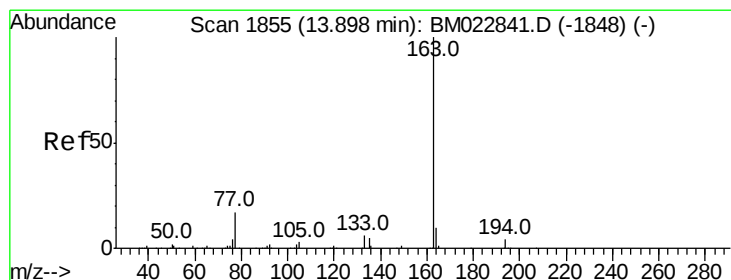
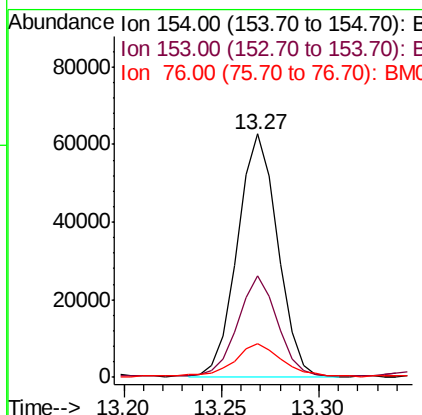
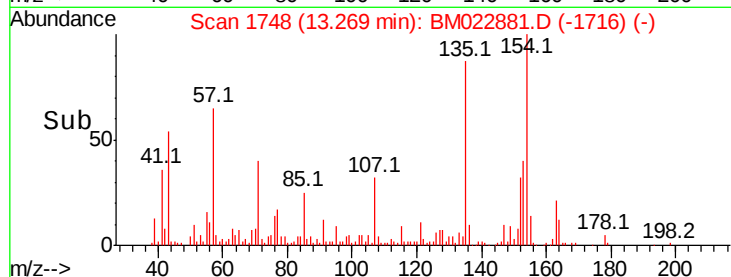
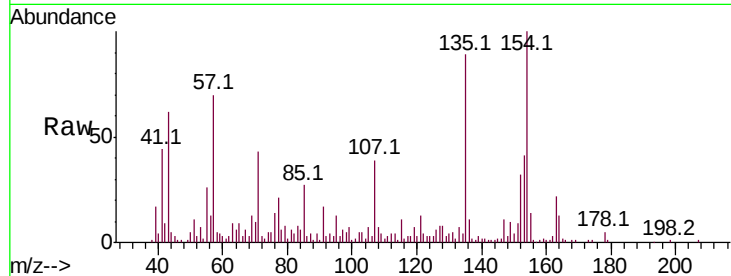




#41
 1,1'-Biphenyl
 Concen: 1.370 ng/ul
 RT: 13.27 min Scan# 1748
 Delta R.T. -0.01 min
 Lab File: BM022881.D
 Acq: 02 Oct 2019 07:59

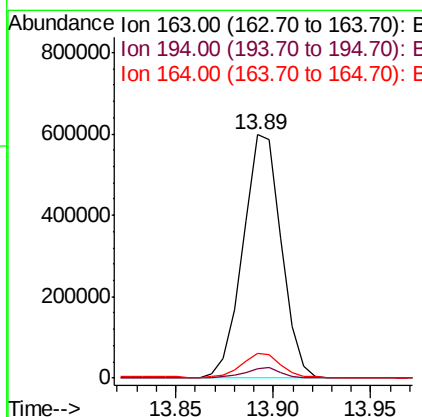
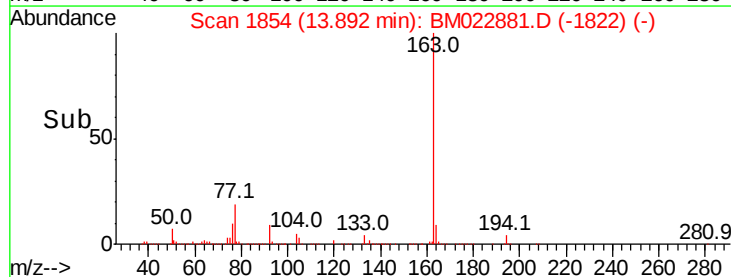
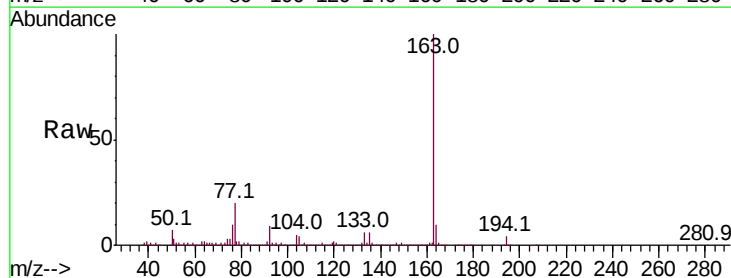
Instrument :
 BNA_M
 ClientSampleId :

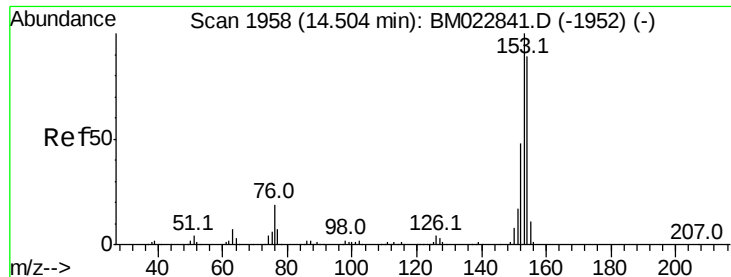
Tot Ion	Ratio	Lower	Upper
154	100		
153	41.5	31.8	47.6
76	13.8	9.6	14.4



#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

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.4	5.0
164	10.3	8.1	12.1





#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

Instrument :

BNA_M

ClientSampleId :

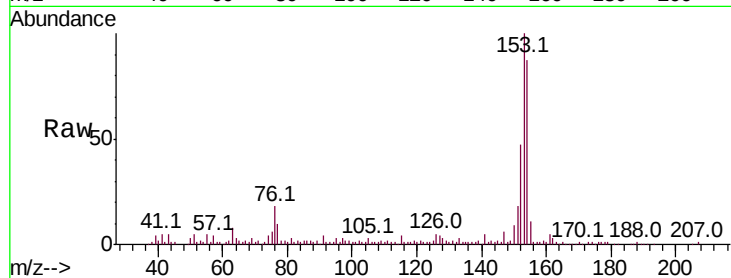
Tot Ion:153 Resp: 210370

Ion Ratio Lower Upper

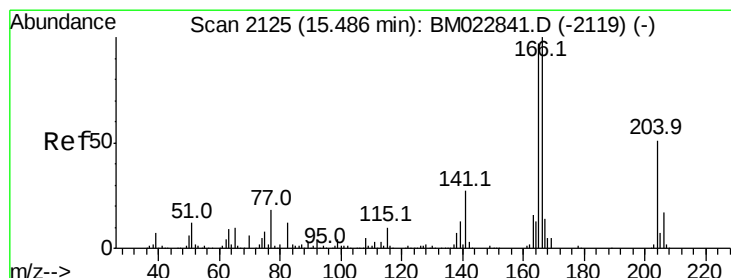
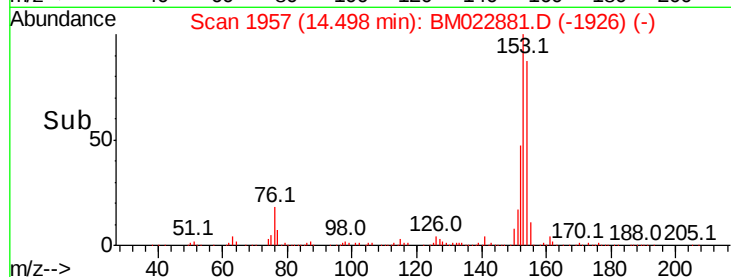
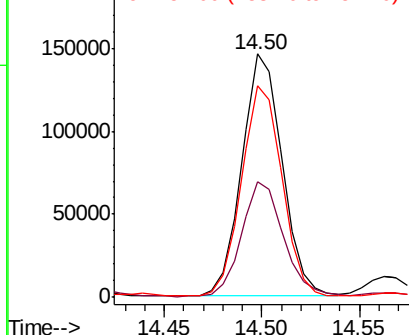
153 100

152 47.3 38.1 57.1

154 87.1 71.1 106.7



Abundance Ion 153.00 (152.70 to 153.70): E
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

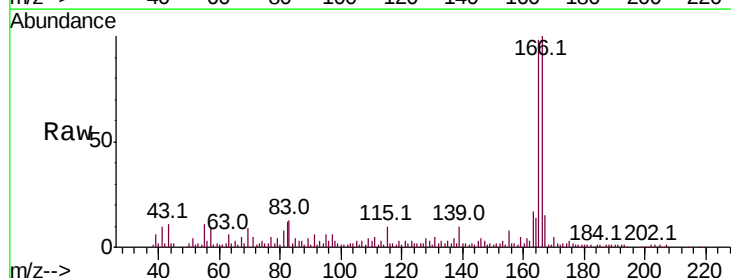
Tgt Ion:166 Resp: 129963

Ion Ratio Lower Upper

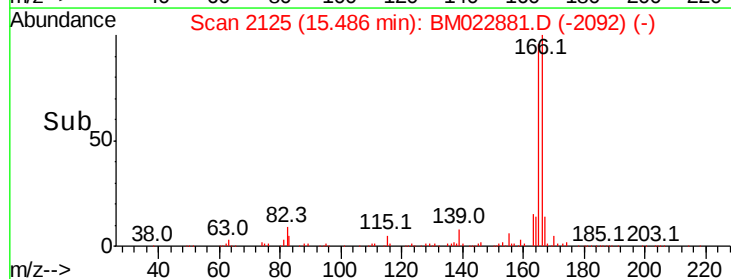
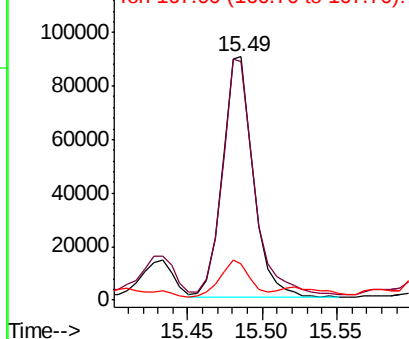
166 100

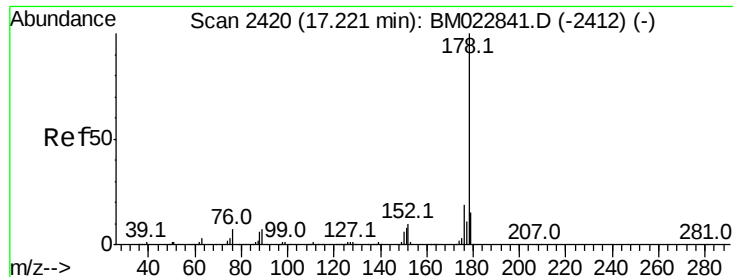
165 97.7 77.7 116.5

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

Instrument :

BNA_M

ClientSampleId :

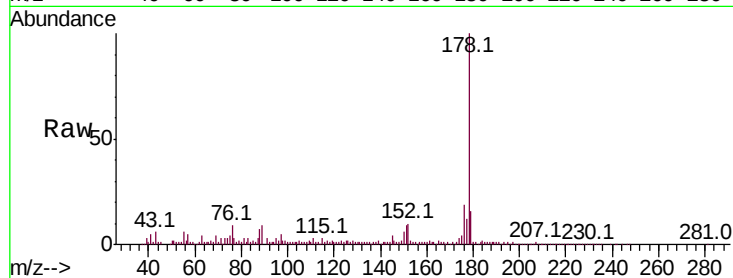
Tot Ion:178 Resp: 368818

Ion Ratio Lower Upper

178 100

179 15.8 12.4 18.6

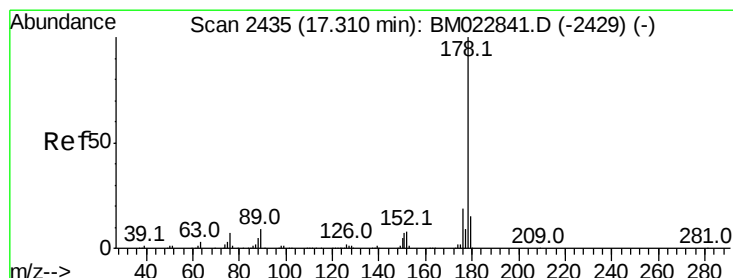
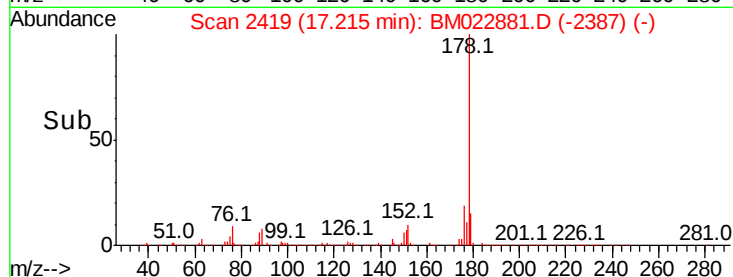
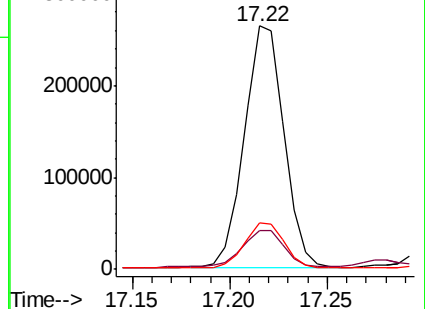
176 19.2 15.3 22.9



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

Acq: 02 Oct 2019 07:59

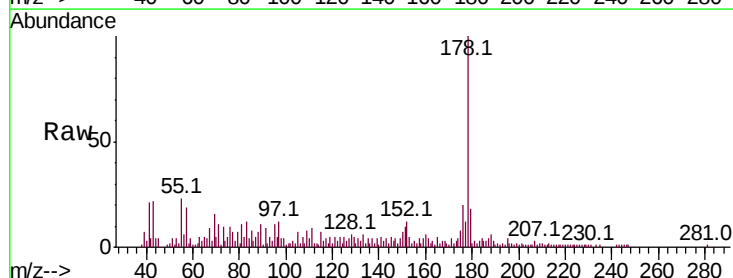
Tgt Ion:178 Resp: 96738

Ion Ratio Lower Upper

178 100

179 17.5 12.4 18.6

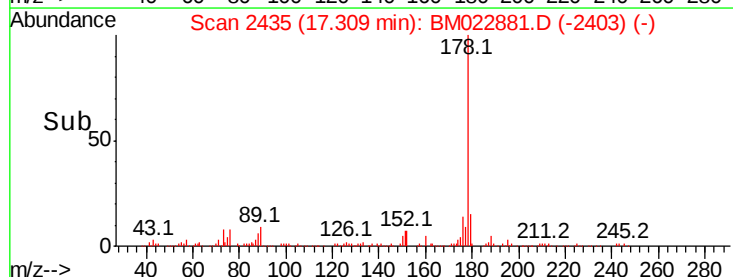
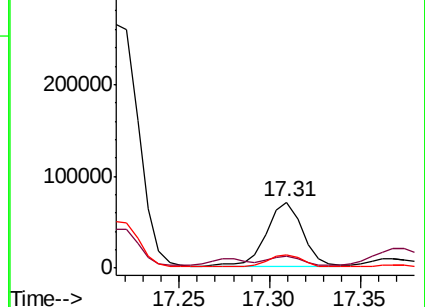
176 20.3 15.0 22.6

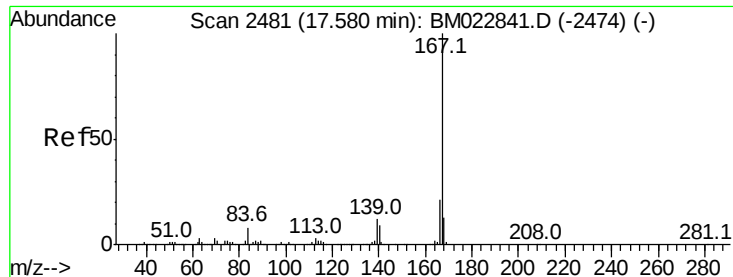


Abundance Ion 178.00 (177.70 to 178.70): E

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

Instrument :

BNA_M

ClientSampleId :

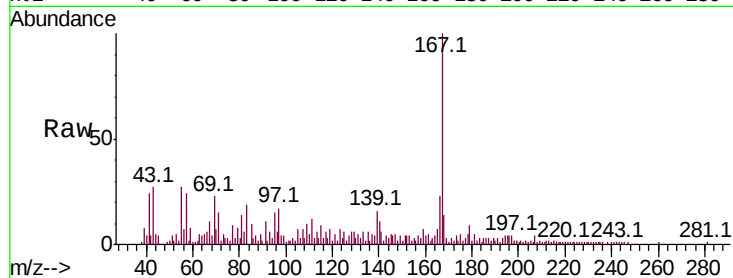
Tot Ion:167 Resp: 88002

Ion Ratio Lower Upper

167 100

166 23.0 17.1 25.7

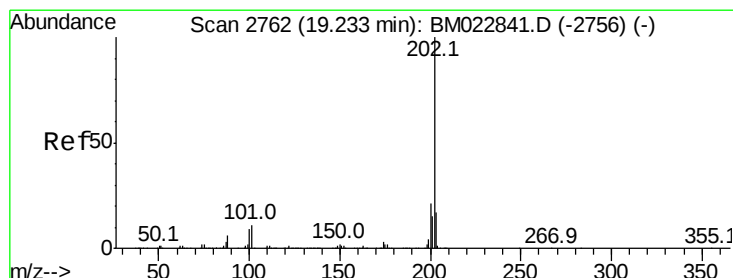
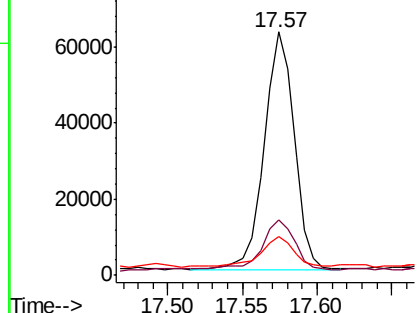
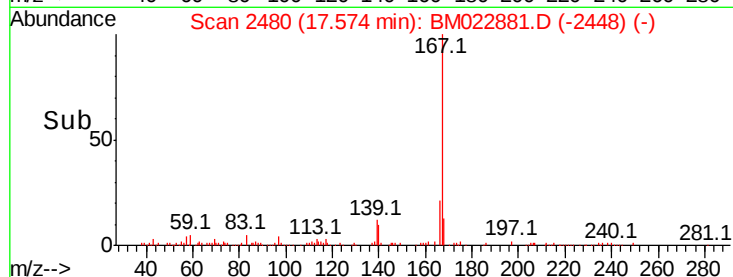
139 16.1 9.9 14.9#



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

Lab File: BM022881.D

Acq: 02 Oct 2019 07:59

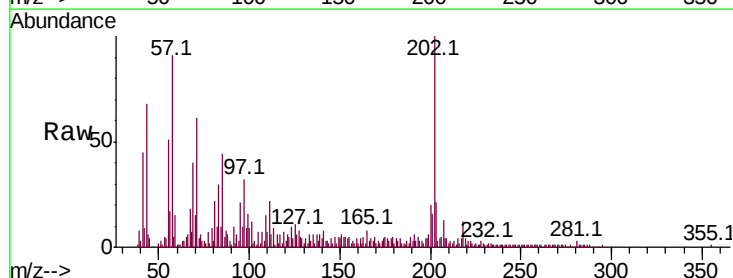
Tgt Ion:202 Resp: 122318

Ion Ratio Lower Upper

202 100

101 12.2 8.6 12.8

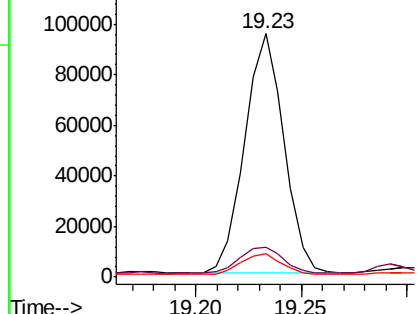
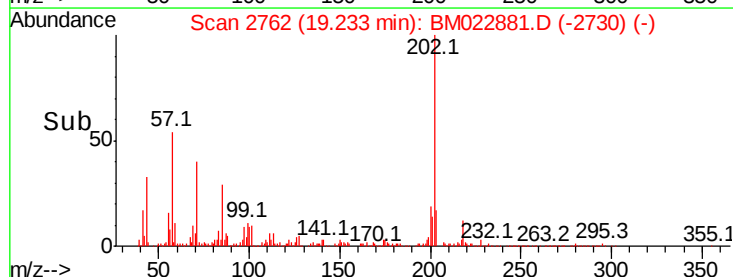
100 9.5 6.4 9.6

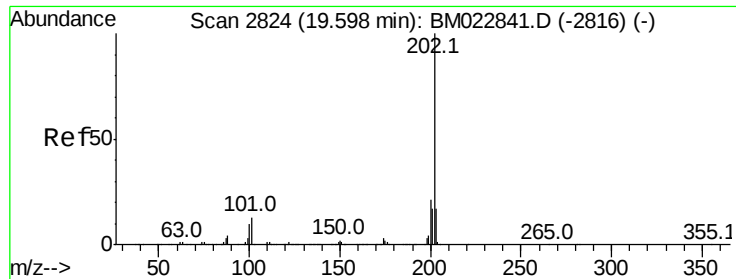


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

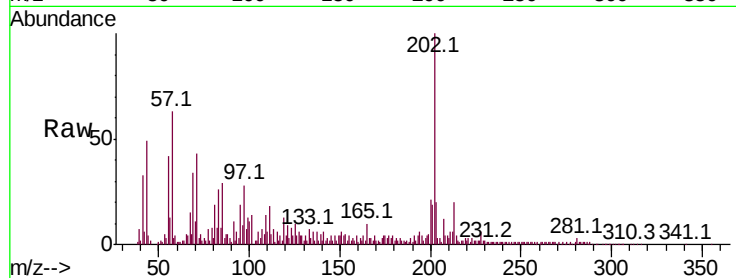




#80
 Pvrene
 Concen: 2.284 ng/ul
 RT: 19.60 min Scan# 2824
 Delta R.T. -0.01 min
 Lab File: BM022881.D
 Acq: 02 Oct 2019 07:59

Instrument :
 BNA_M
 ClientSampleId :

Tot 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): BM

