

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021920\
 Data File : BM024948.D
 Acq On : 19 Feb 2020 17:40
 Operator : CG/JU
 Sample : L1486-15DL 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 19 23:17:02 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 19 03:36:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	409981	20.00	ng/ul	0.00
18) Naphthalene-d8	10.14	136	1516964	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.03	164	929859	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.79	188	2051023	20.00	ng/ul	0.00
78) Chrysene-d12	21.00	240	2198916	20.00	ng/ul	0.00
86) Perylene-d12	23.10	264	2281735	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.05	96	879	0.10	ng/uL	0.01
5) Phenol-d5	6.59	99	14930	0.55	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.75	67	44766	2.91	ng/ul	0.00
9) 2-Chlorophenol-d4	6.93	132	48462	1.99	ng/ul	0.00
13) 4-Methylphenol-d8	8.10	113	26860	1.17	ng/ul	0.00
19) Nitrobenzene-d5	8.53	128	30119	2.75	ng/ul	0.00
22) 2-Nitrophenol-d4	9.24	143	28965	2.23	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.77	165	55403	2.12	ng/ul	0.00
29) 4-Chloroaniline-d4	10.27	131	883	0.04	ng/ul	-0.02
44) Dimethylphthalate-d6	13.46	166	191425	2.73	ng/ul	0.00
47) Acenaphthylene-d8	13.72	160	229940	2.81	ng/ul	0.00
52) 4-Nitrophenol-d4	14.29	143	2833	0.25	ng/ul	0.02
58) Fluorene-d10	15.04	176	175462	2.82	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.17	200	16773	1.25	ng/ul	0.00
71) Anthracene-d10	16.89	188	270517	2.89	ng/ul	-0.01
79) Pyrene-d10	19.20	212	306107	2.78	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.97	264	321488	2.81	ng/ul	0.00

Target Compounds

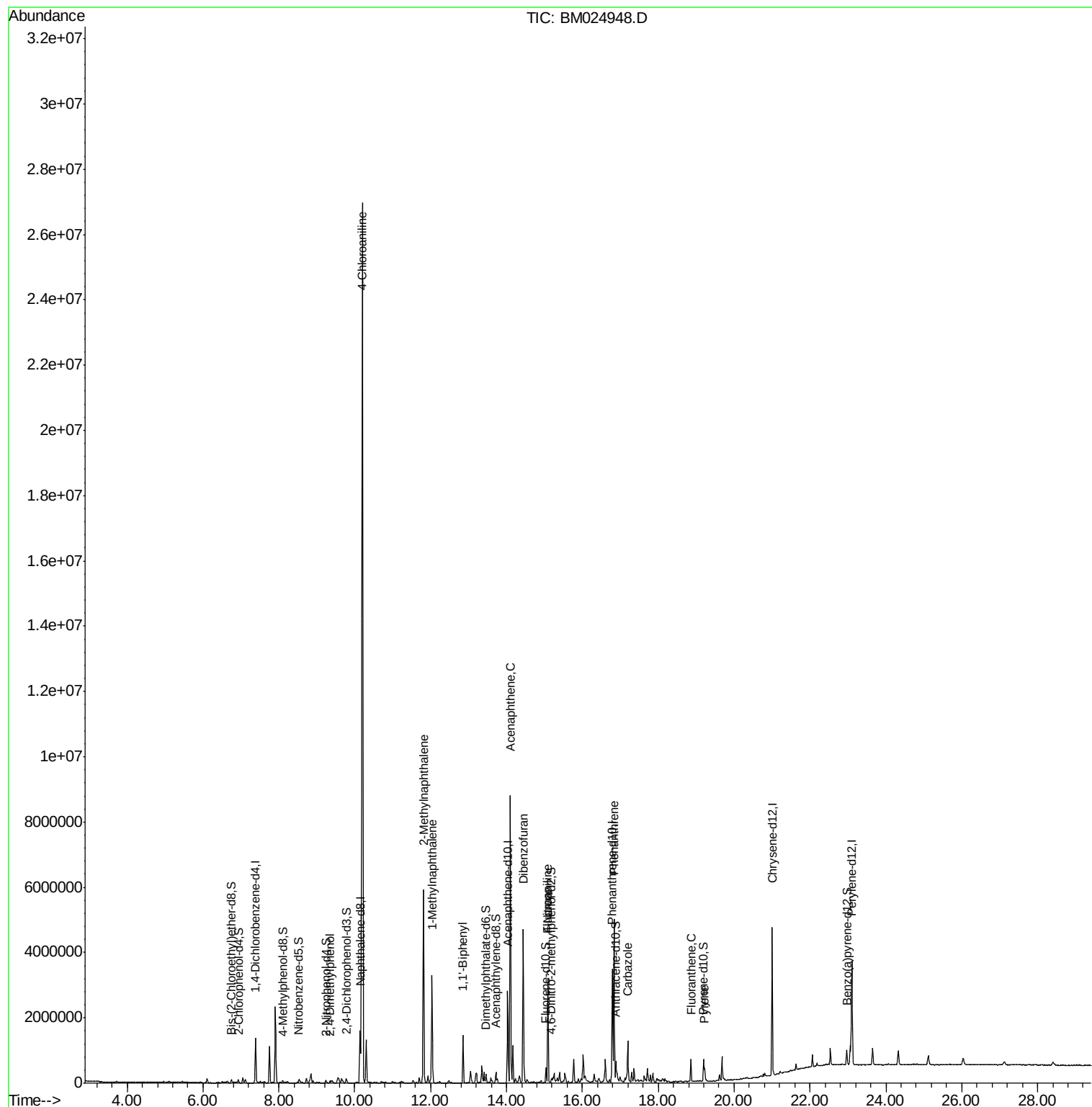
					Ovalue
24) 2,4-Dimethylphenol	9.35	107	29083	1.116	ng/ul 92
30) 4-Chloroaniline	10.20	127	3324990	136.204	ng/ul# 9
34) 2-Methylnaphthalene	11.82	142	2894851	50.703	ng/ul 99
35) 1-Methylnaphthalene	12.04	142	1579197	27.735	ng/ul 98
41) 1,1'-Biphenyl	12.86	154	786271	11.454	ng/ul# 97
50) Acenaphthene	14.10	153	3519636	61.382	ng/ul 98
54) Dibenzofuran	14.44	168	2959529	34.625	ng/ul 100
59) Fluorene	15.09	166	1380356	19.595	ng/ul 98
61) 4-Nitroaniline	15.09	138	14509	1.051	ng/ul# 22
70) Phenanthrene	16.83	178	2918059	26.093	ng/ul 99
75) Carbazole	17.20	167	785246	8.311	ng/ul 99
77) Fluoranthene	18.86	202	402152	2.929	ng/ul# 95
80) Pyrene	19.22	202	255220	1.753	ng/ul# 93

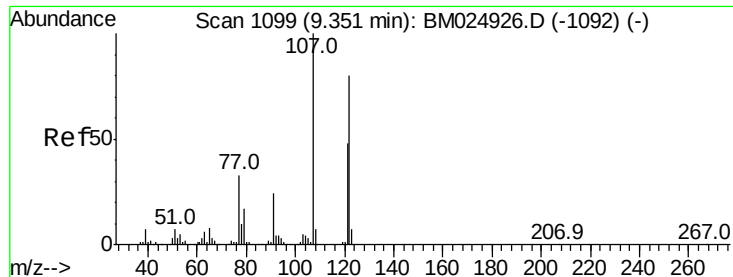
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#24

2,4-Dimethylphenol

Concen: 1.116 ng/ul

RT: 9.35 min Scan# 1099

Delta R.T. -0.01 min

Lab File: BM024948.D

Acq: 19 Feb 2020 17:40

Instrument :

BNA_M

ClientSampleId :

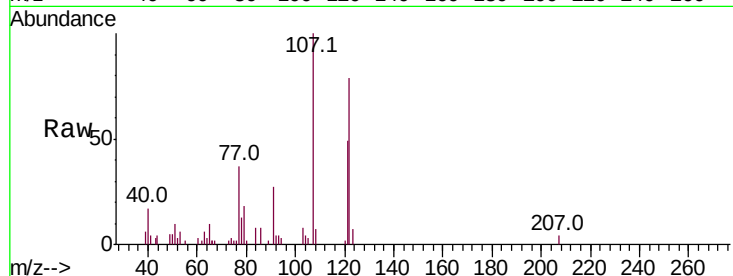
Tot Ion:107 Resp: 29083

Ion Ratio Lower Upper

107 100

121 48.6 41.9 62.9

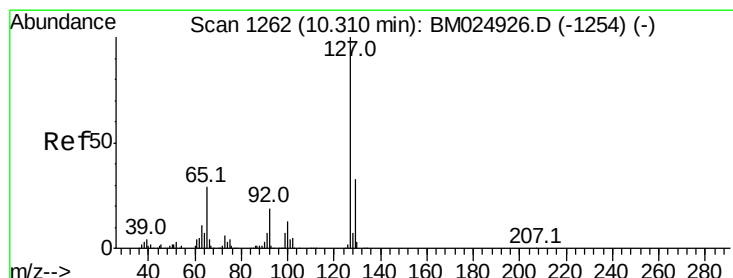
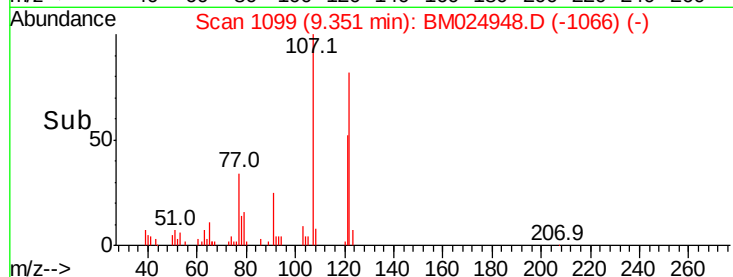
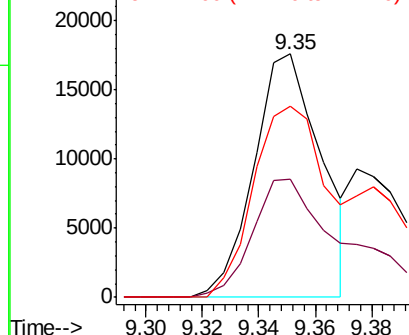
122 78.8 70.2 105.4



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



#30

4-Chloroaniline

Concen: 136.204 ng/ul

RT: 10.20 min Scan# 1244

Delta R.T. -0.11 min

Lab File: BM024948.D

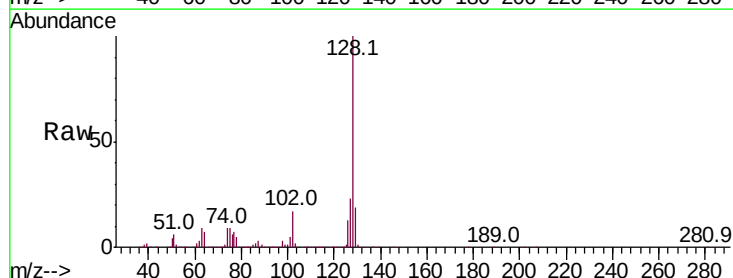
Acq: 19 Feb 2020 17:40

Tgt Ion:127 Resp: 3324990

Ion Ratio Lower Upper

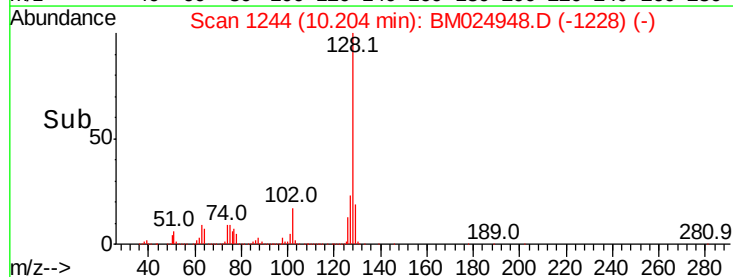
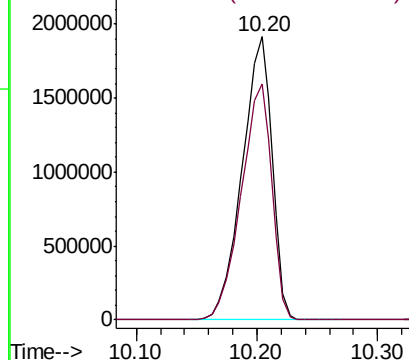
127 100

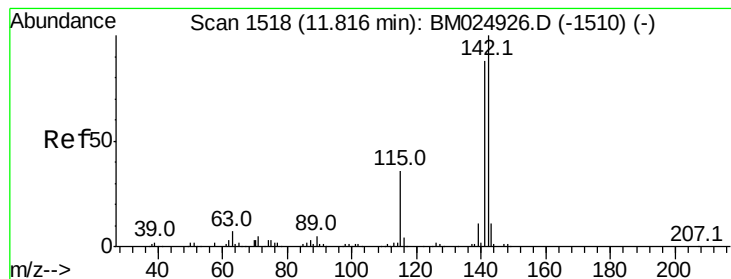
129 83.4 25.8 38.8#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E





#34

2-Methylnaphthalene

Concen: 50.703 ng/ul

RT: 11.82 min Scan# 1518

Delta R.T. -0.01 min

Lab File: BM024948.D

Acq: 19 Feb 2020 17:40

Instrument :

BNA_M

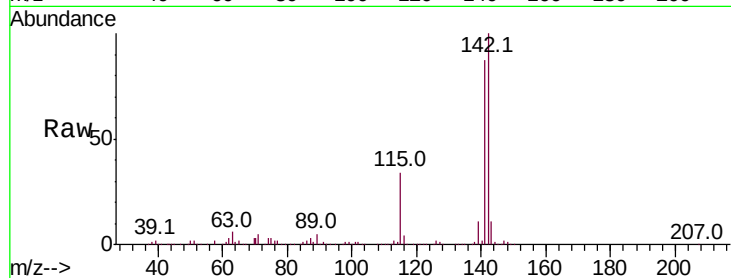
ClientSampleId :

Tot Ion:142 Resp: 2894851

Ion Ratio Lower Upper

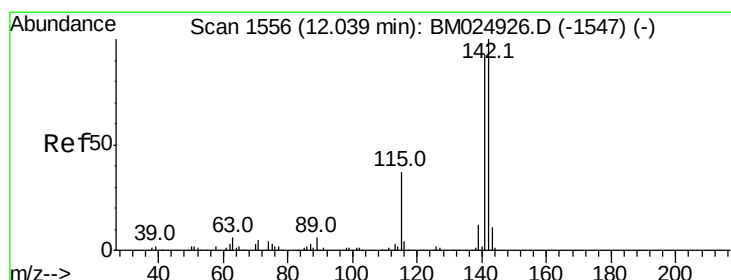
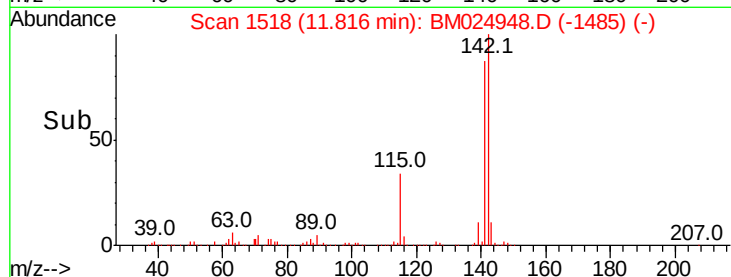
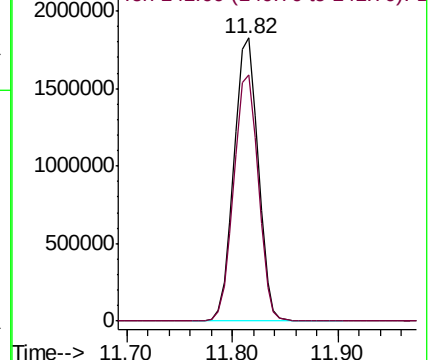
142 100

141 87.0 70.5 105.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#35

1-Methylnaphthalene

Concen: 27.735 ng/ul

RT: 12.04 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BM024948.D

Acq: 19 Feb 2020 17:40

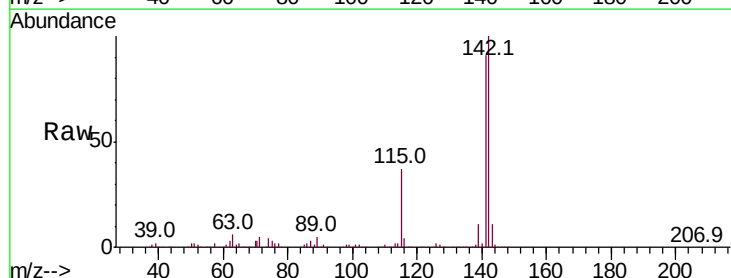
Tgt Ion:142 Resp: 1579197

Ion Ratio Lower Upper

142 100

141 90.9 74.1 111.1

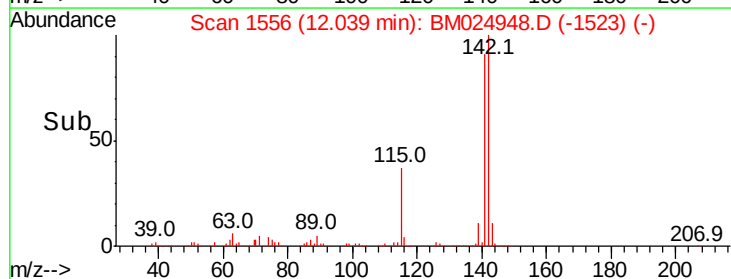
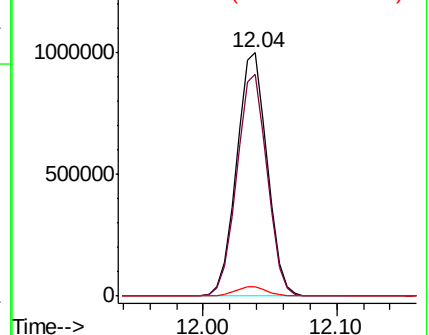
116 3.7 3.0 4.4

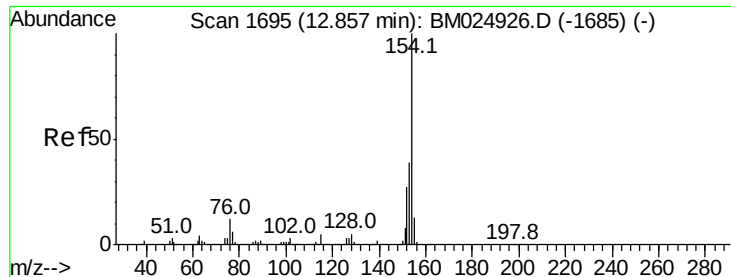


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#41

1,1'-Biphenyl

Concen: 11.454 ng/ul

RT: 12.86 min Scan# 1695

Delta R.T. -0.01 min

Lab File: BM024948.D

Acq: 19 Feb 2020 17:40

Instrument :

BNA_M

ClientSampleId :

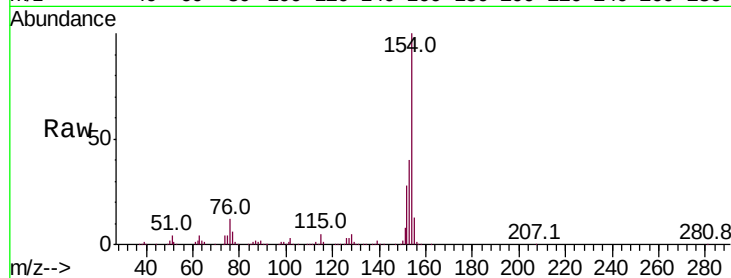
Tot Ion:154 Resp: 786271

Ion Ratio Lower Upper

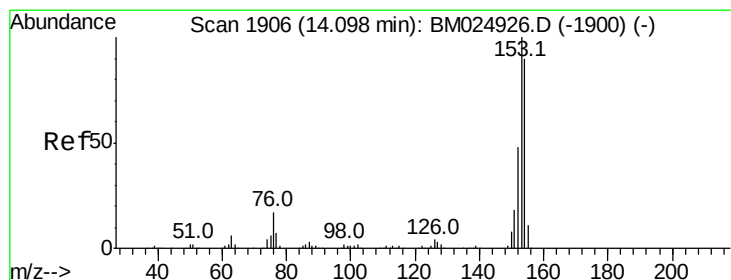
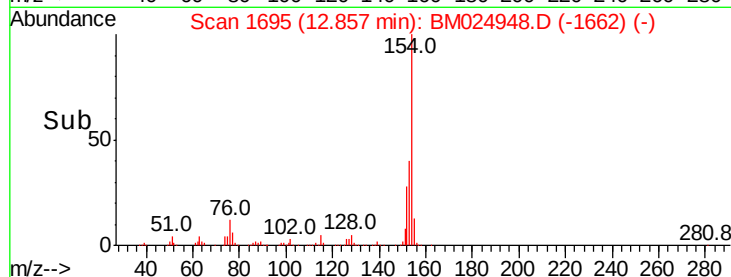
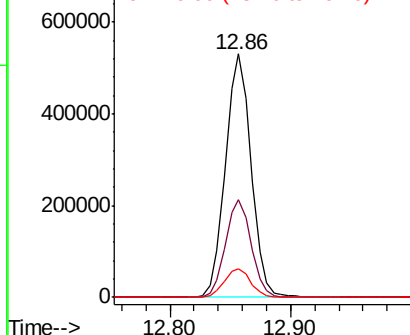
154 100

153 40.4 31.4 47.2

76 11.6 7.5 11.3#



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BMO



#50

Acenaphthene

Concen: 61.382 ng/ul

RT: 14.10 min Scan# 1907

Delta R.T. 0.00 min

Lab File: BM024948.D

Acq: 19 Feb 2020 17:40

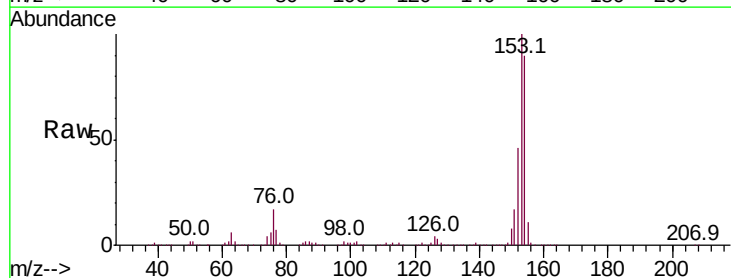
Tgt Ion:153 Resp: 3519636

Ion Ratio Lower Upper

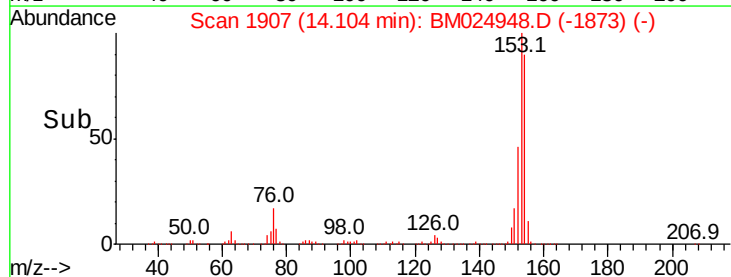
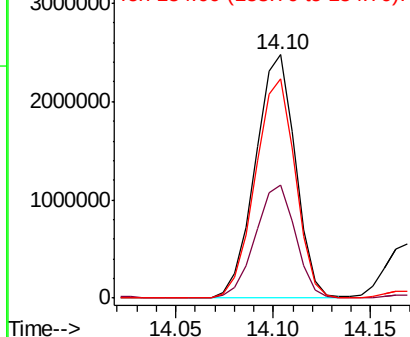
153 100

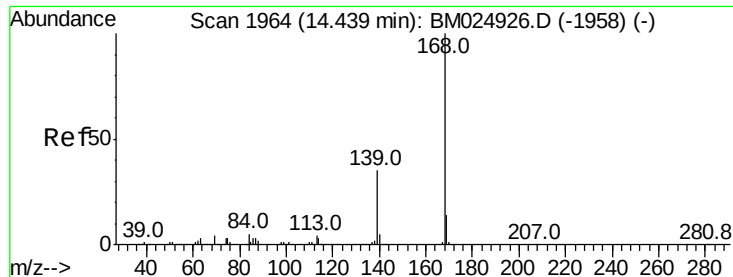
152 46.4 37.3 55.9

154 90.3 74.1 111.1



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





#54

Dibenzenofuran

Concen: 34.625 ng/ul

RT: 14.44 min Scan# 1964

Delta R.T. -0.01 min

Lab File: BM024948.D

Acq: 19 Feb 2020 17:40

Instrument :

BNA_M

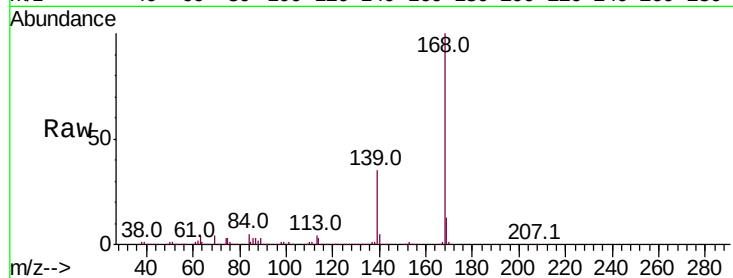
ClientSampled :

Tot Ion:168 Resp: 2959529

Ion Ratio Lower Upper

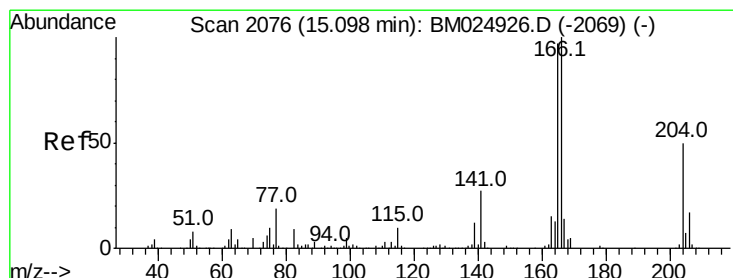
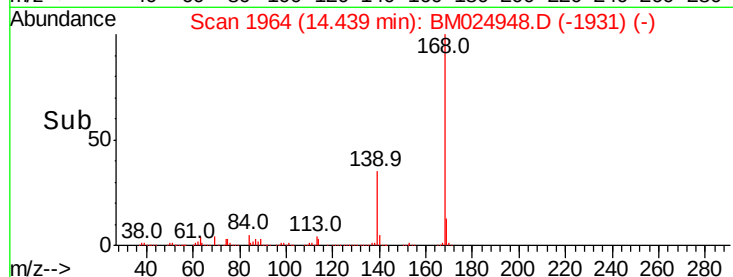
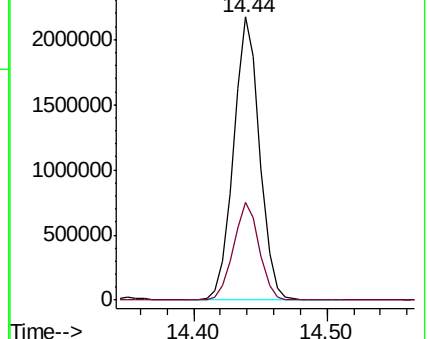
168 100

139 34.6 27.8 41.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 19.595 ng/ul

RT: 15.09 min Scan# 2075

Delta R.T. -0.01 min

Lab File: BM024948.D

Acq: 19 Feb 2020 17:40

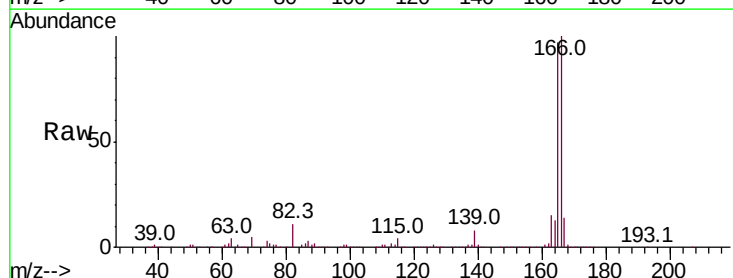
Tgt Ion:166 Resp: 1380356

Ion Ratio Lower Upper

166 100

165 96.6 75.8 113.8

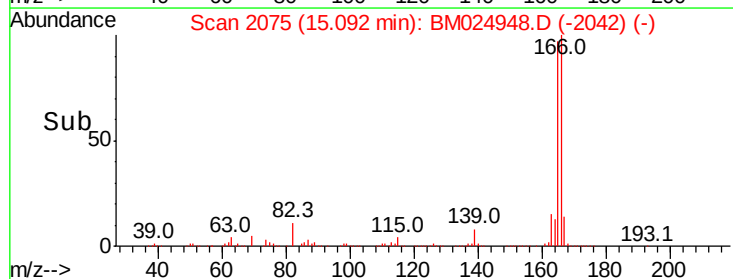
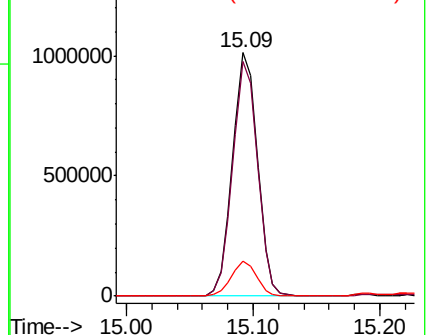
167 14.2 10.6 16.0

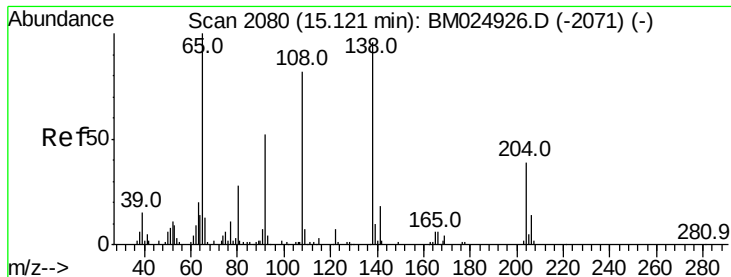


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

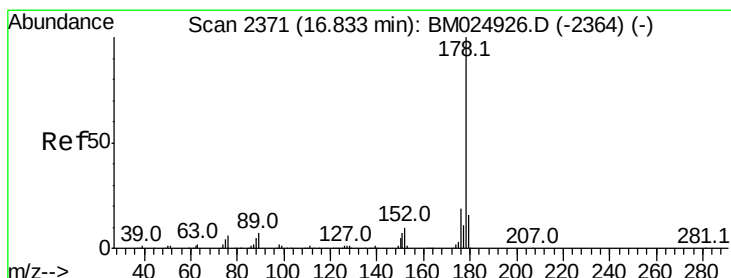
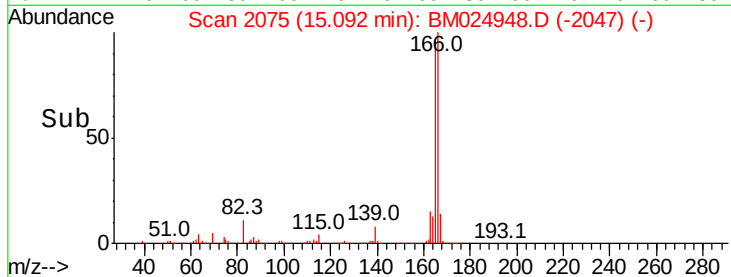
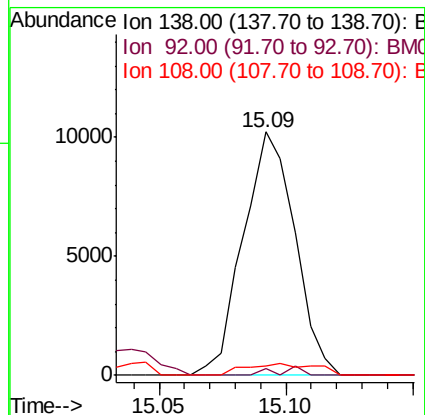
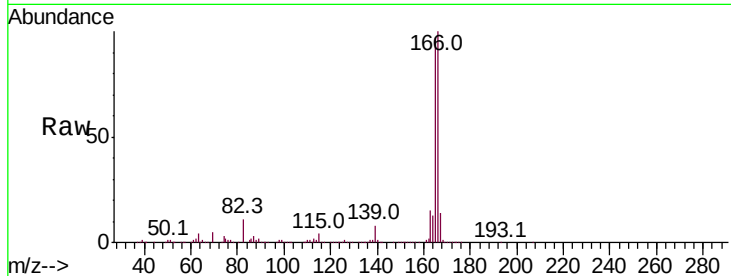




#61
4-Nitroaniline
Concen: 1.051 ng/ul
RT: 15.09 min Scan# 2075
Delta R.T. -0.04 min
Lab File: BM024948.D
Acq: 19 Feb 2020 17:40

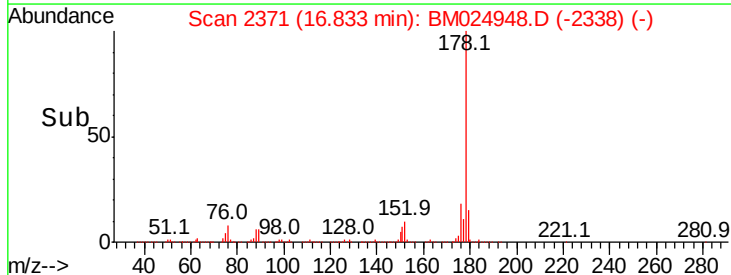
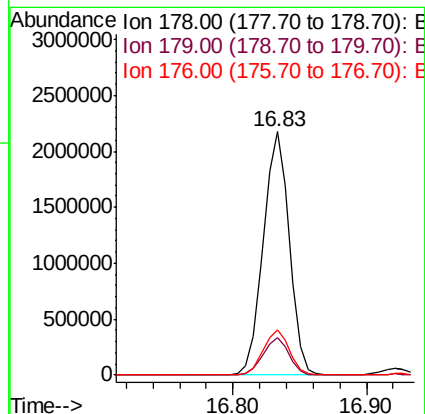
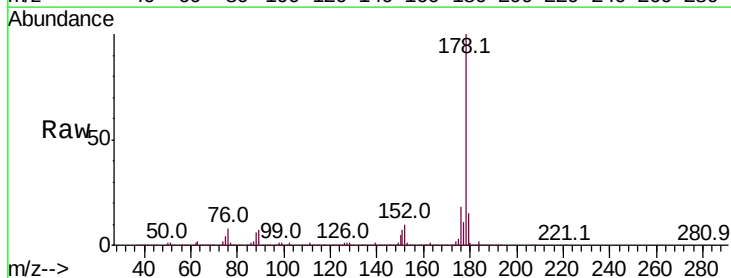
Instrument :
BNA_M
ClientSampleId :

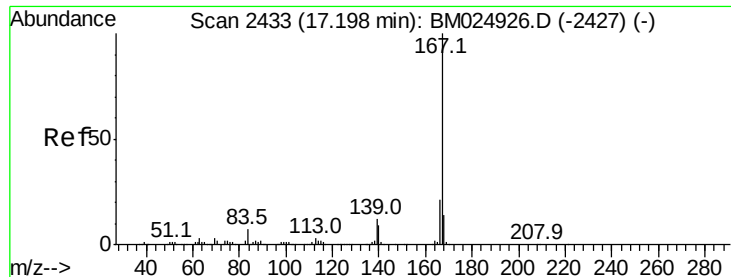
Tot Ion:138 Resp: 14509
Ion Ratio Lower Upper
138 100
92 2.9 38.0 57.0#
108 3.8 62.1 93.1#



#70
Phenanthrene
Concen: 26.093 ng/ul
RT: 16.83 min Scan# 2371
Delta R.T. -0.01 min
Lab File: BM024948.D
Acq: 19 Feb 2020 17:40

Tgt Ion:178 Resp: 2918059
Ion Ratio Lower Upper
178 100
179 15.3 12.2 18.2
176 18.5 14.5 21.7

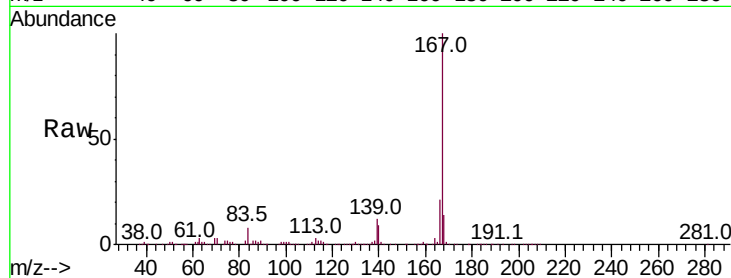




#75
 Carbazole
 Concen: 8.311 ng/ul
 RT: 17.20 min Scan# 2433
 Delta R.T. -0.01 min
 Lab File: BM024948.D
 Acq: 19 Feb 2020 17:40

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.9	16.6	24.8
139	12.2	9.3	13.9

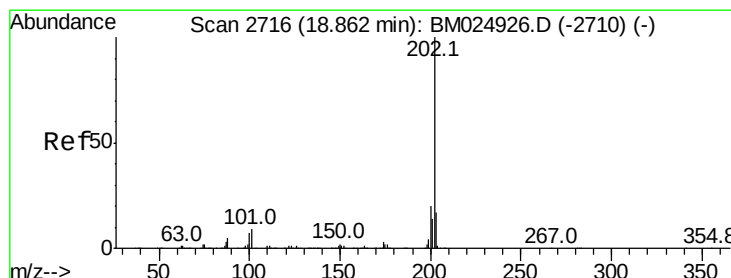
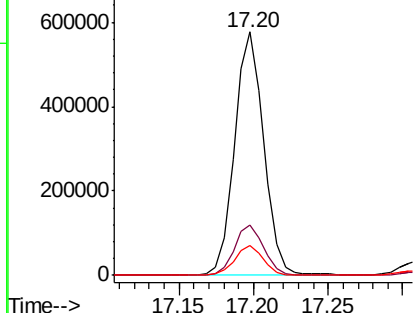
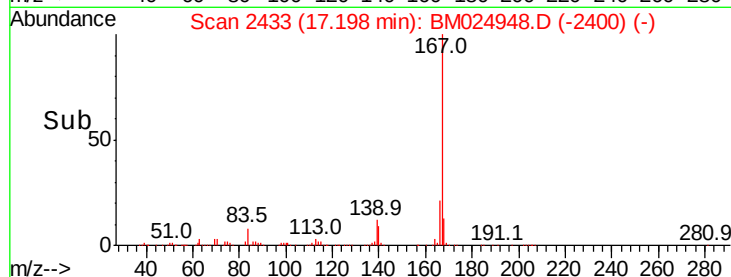


Abundance

Ion 167.00 (166.70 to 167.70): E

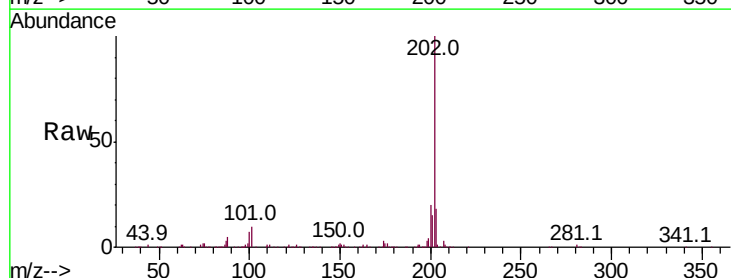
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#77
 Fluoranthene
 Concen: 2.929 ng/ul
 RT: 18.86 min Scan# 2716
 Delta R.T. -0.01 min
 Lab File: BM024948.D
 Acq: 19 Feb 2020 17:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	6.1	9.1#
100	7.4	4.8	7.2#

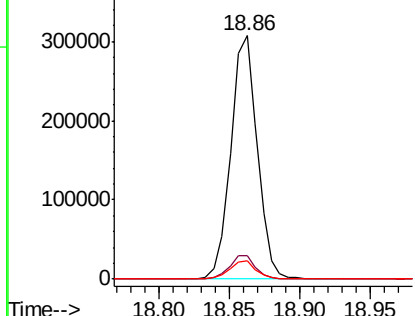
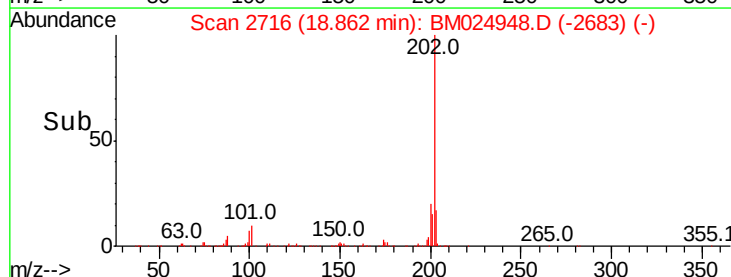


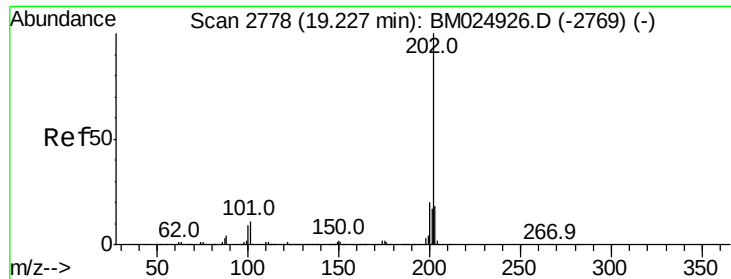
Abundance

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





#80

Pvrene

Concen: 1.753 ng/ul

RT: 19.22 min Scan# 2777

Delta R.T. -0.01 min

Lab File: BM024948.D

Acq: 19 Feb 2020 17:40

Instrument :

BNA_M

ClientSampleId :

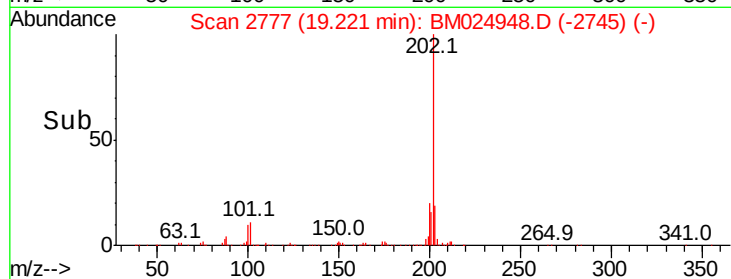
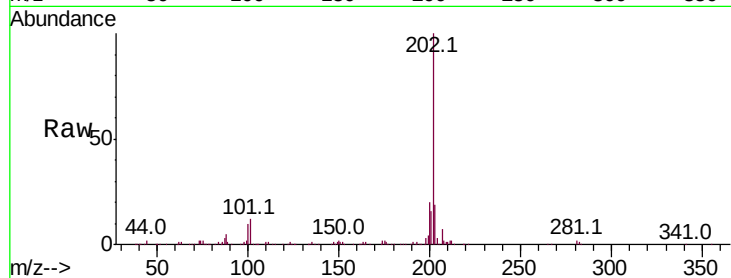
Tot Ion:202 Resp: 255220

Ion Ratio Lower Upper

202 100

101 11.6 7.0 10.4#

100 9.6 5.8 8.8#



Abundance Ion 202.00 (201.70 to 202.70): E

250000 Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

200000

150000

100000

50000

0

19.15 19.20 19.25 19.30

19.22

19.20

19.25

19.30

Time-->