

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020620\
 Data File : BM024789.D
 Acq On : 08 Feb 2020 08:28
 Operator : CG/JU
 Sample : L1400-09
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 10 00:11:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Feb 07 07:38:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	302371	20.00	ng/ul	0.00
18) Naphthalene-d8	10.16	136	1185487	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.06	164	786122	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.81	188	1718313	20.00	ng/ul	0.00
78) Chrysene-d12	21.02	240	1713389	20.00	ng/ul	-0.01
86) Perylene-d12	23.13	264	1752476	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	26343	4.19	ng/uL	0.00
5) Phenol-d5	6.60	99	455578	22.68	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	6.76	67	293479	25.87	ng/ul	0.00
9) 2-Chlorophenol-d4	6.95	132	432585	24.04	ng/ul	0.00
13) 4-Methylphenol-d8	8.12	113	371389	21.91	ng/ul	-0.01
19) Nitrobenzene-d5	8.54	128	223069	26.02	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.26	143	266482	26.31	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.79	165	457618	22.40	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.30	131	577546	30.22	ng/ul	0.00
44) Dimethylphthalate-d6	13.48	166	1560425	26.30	ng/ul	0.00
47) Acenaphthylene-d8	13.74	160	1727910	24.93	ng/ul	-0.01
52) 4-Nitrophenol-d4	14.28	143	209245	21.70	ng/ul	0.00
58) Fluorene-d10	15.06	176	1331531	25.34	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	15.19	200	234199	20.91	ng/ul	0.00
71) Anthracene-d10	16.91	188	1936310	24.68	ng/ul	0.00
79) Pyrene-d10	19.22	212	2073483	24.19	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.00	264	2063602	23.45	ng/ul	0.00

Target Compounds

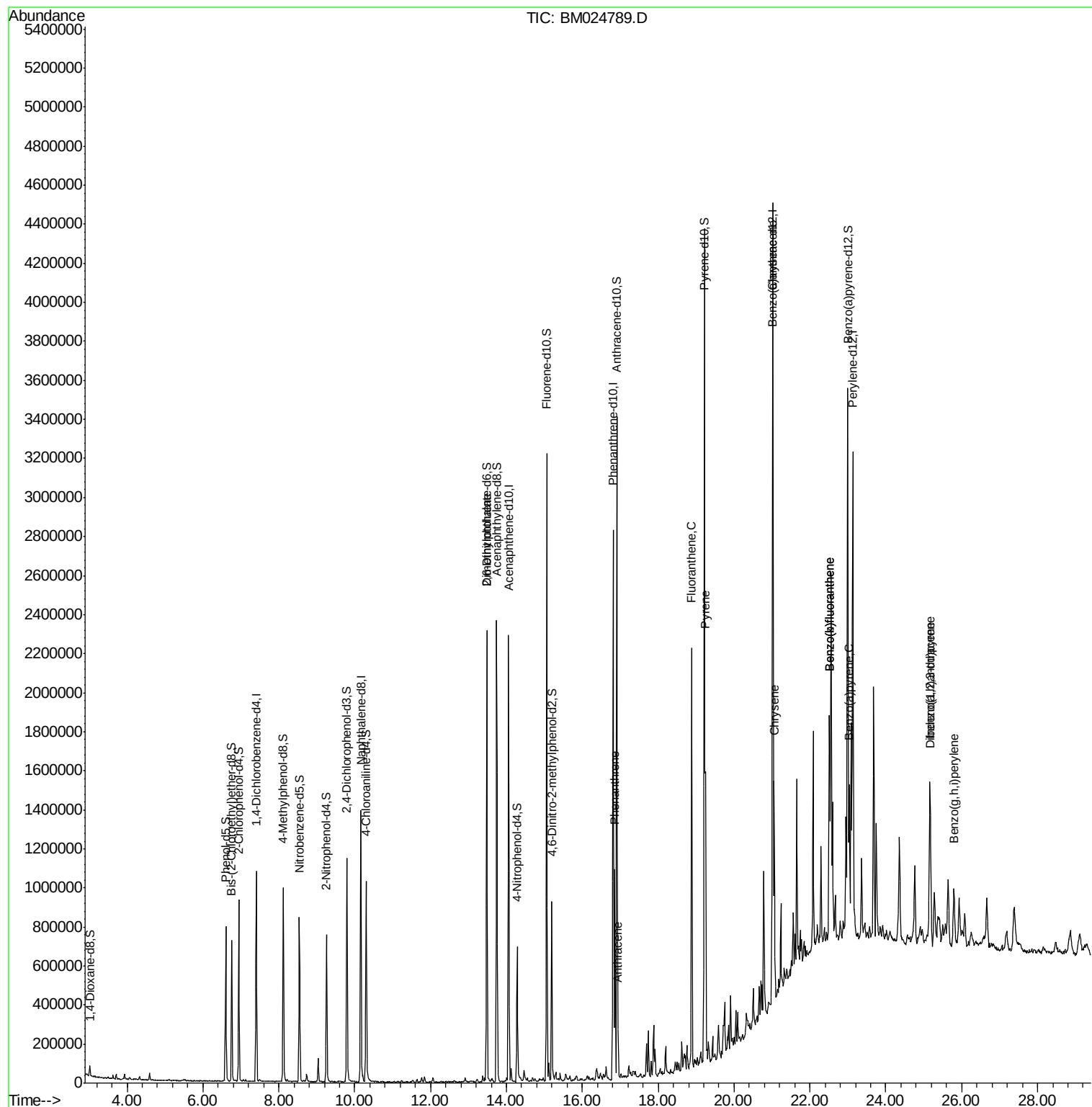
					Ovalue	
46) 2,6-Dinitrotoluene	13.48	165	12588	1.006	ng/ul#	44
70) Phenanthrene	16.85	178	638222	6.812	ng/ul	100
72) Anthracene	16.94	178	142009	1.495	ng/ul	98
77) Fluoranthene	18.88	202	1327139	11.539	ng/ul	99
80) Pyrene	19.24	202	1187986	10.475	ng/ul	99
83) Benzo(a)anthracene	21.01	228	663814	5.752	ng/ul	97
85) Chrysene	21.06	228	691027	6.082	ng/ul	100
88) Benzo(b)fluoranthene	22.51	252	1000835	8.981	ng/ul#	98
89) Benzo(k)fluoranthene	22.51	252	1000835	9.331	ng/ul#	98
91) Benzo(a)pyrene	23.03	252	557521	5.580	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.17	276	466522	3.751	ng/ul	98
93) Dibenzo(a,h)anthracene	25.18	278	131792	1.244	ng/ul#	88
94) Benzo(g,h,i)perylene	25.80	276	346456	3.349	ng/ul	98

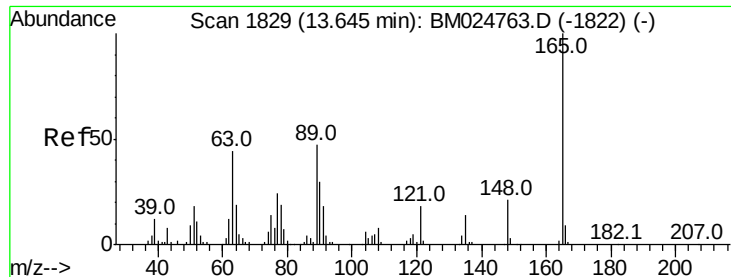
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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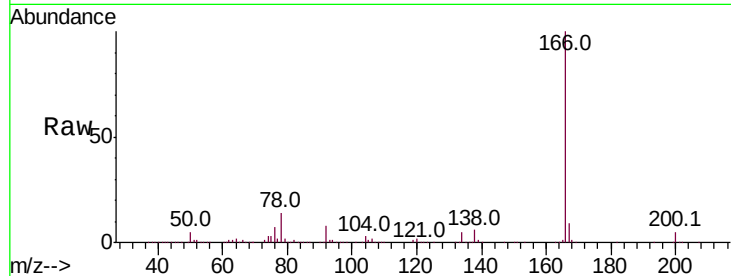




#46
 2,6-Dinitrotoluene
 Concen: 1.006 ng/ul
 RT: 13.48 min Scan# 1801
 Delta R.T. -0.16 min
 Lab File: BM024789.D
 Acq: 08 Feb 2020 08:28

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
89	0.0	38.4	57.6#
121	24.0	14.1	21.1#

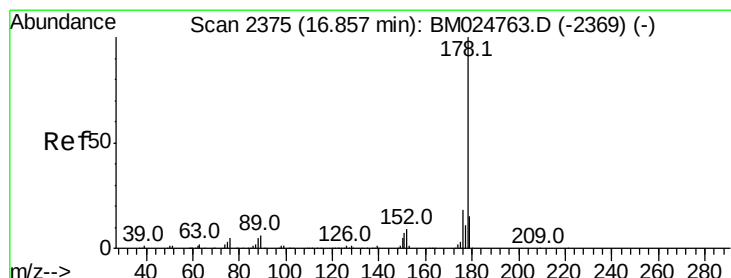
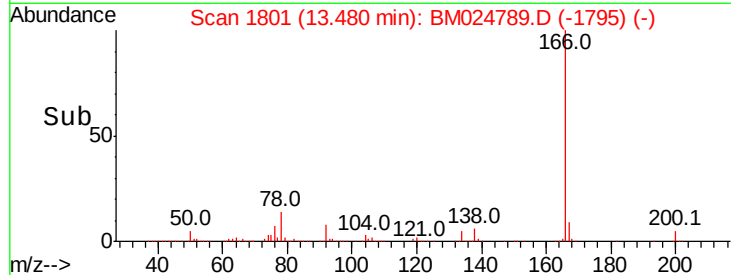
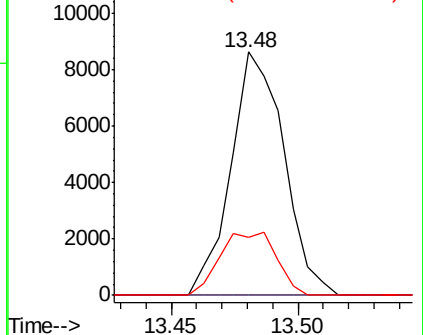


Abundance

Ion 165.00 (164.70 to 165.70): E

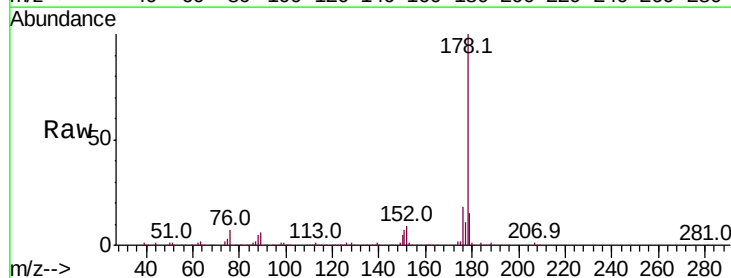
Ion 89.00 (88.70 to 89.70): BM

Ion 121.00 (120.70 to 121.70): E



#70
 Phenanthrene
 Concen: 6.812 ng/ul
 RT: 16.85 min Scan# 2374
 Delta R.T. -0.01 min
 Lab File: BM024789.D
 Acq: 08 Feb 2020 08:28

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.2
176	18.2	14.5	21.7

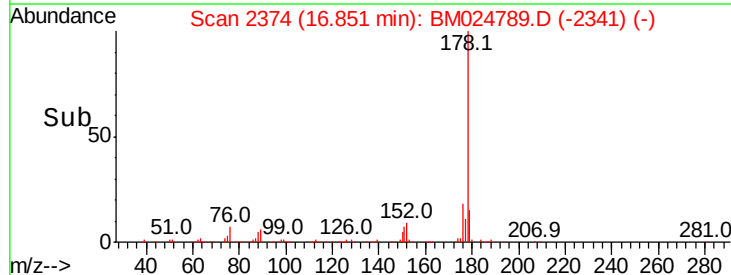
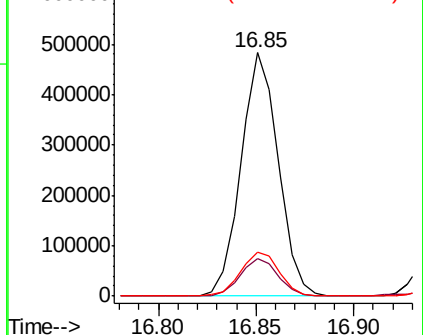


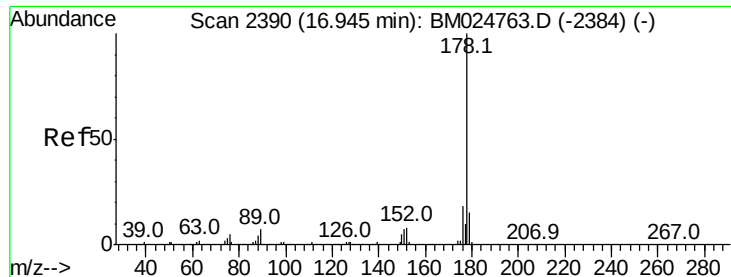
Abundance

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: 1.495 ng/ul

RT: 16.94 min Scan# 2390

Delta R.T. -0.01 min

Lab File: BM024789.D

Acq: 08 Feb 2020 08:28

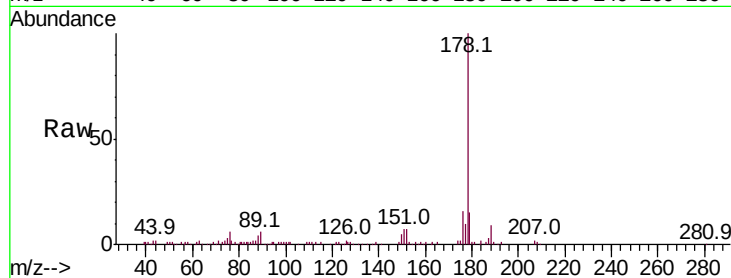
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 142009

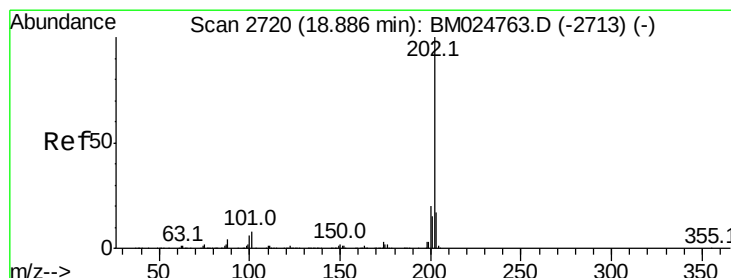
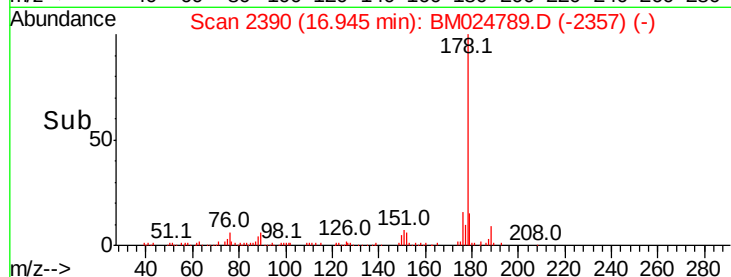
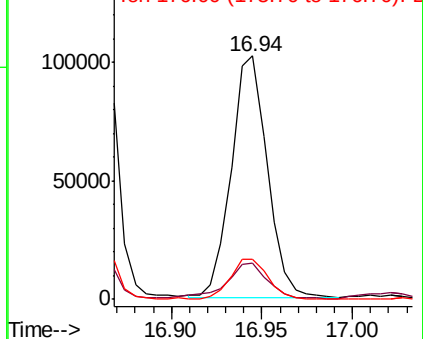
Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.3	18.5
176	16.5	14.1	21.1



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



#77

Fluoranthene

Concen: 11.539 ng/ul

RT: 18.88 min Scan# 2719

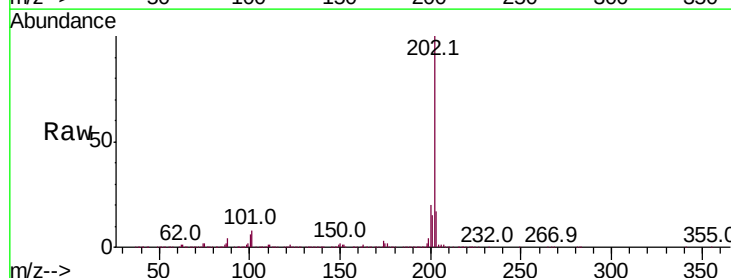
Delta R.T. -0.01 min

Lab File: BM024789.D

Acq: 08 Feb 2020 08:28

Tgt Ion:202 Resp: 1327139

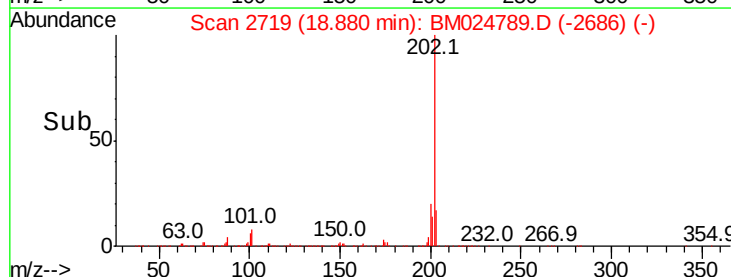
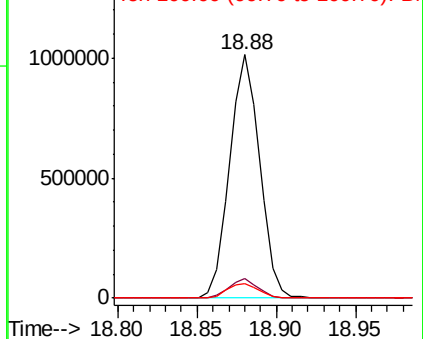
Ion	Ratio	Lower	Upper
202	100		
101	8.0	6.1	9.1
100	6.0	4.8	7.2

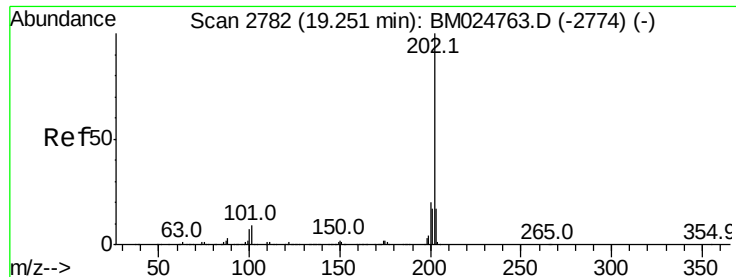


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



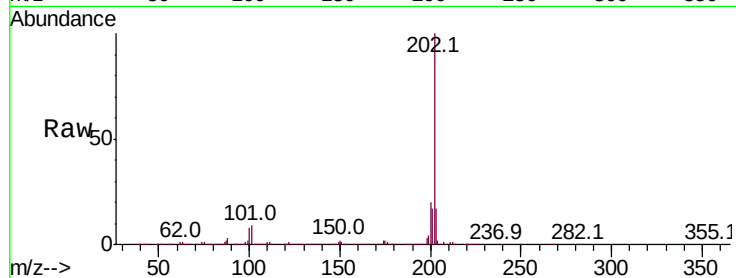


#80
 Pvrene
 Concen: 10.475 ng/ul
 RT: 19.24 min Scan# 2781
 Delta R.T. -0.01 min
 Lab File: BM024789.D
 Acq: 08 Feb 2020 08:28

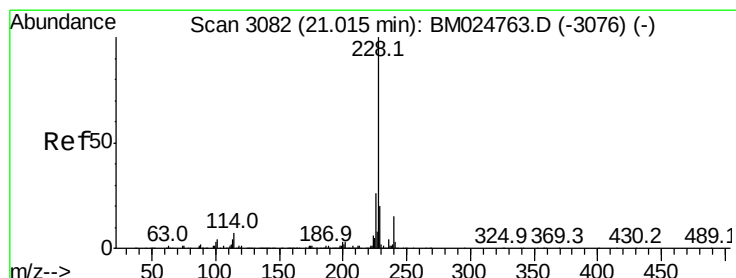
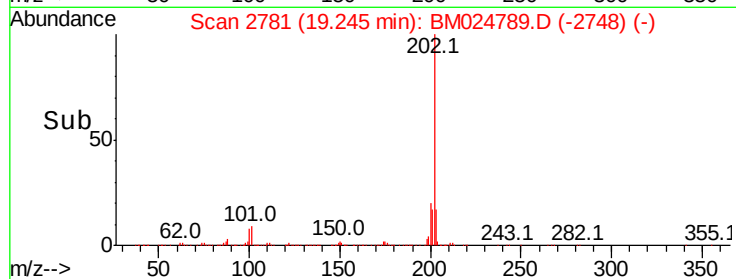
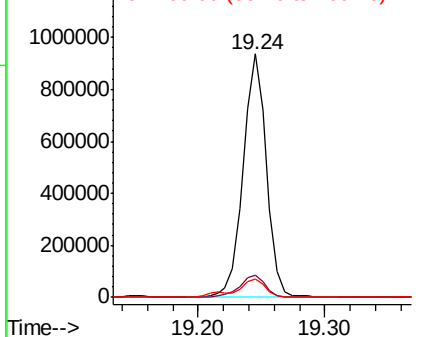
Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:202 Resp: 1187986

Ion	Ratio	Lower	Upper
202	100		
101	9.2	7.0	10.4
100	7.5	5.8	8.8



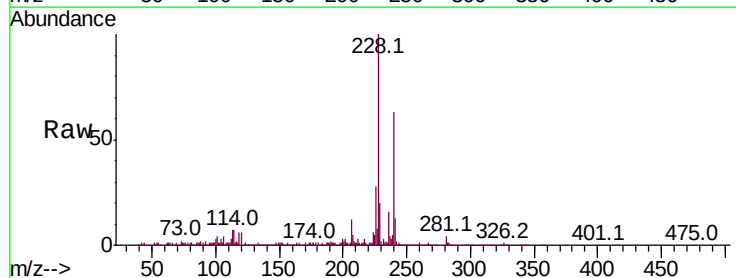
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B



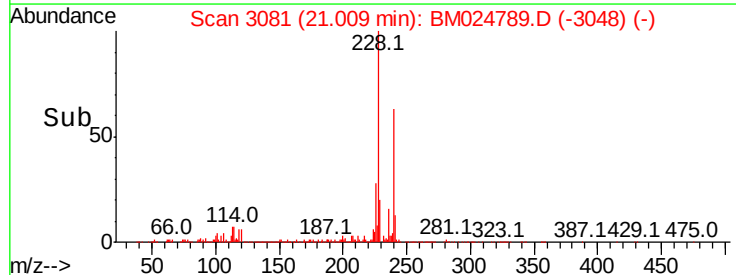
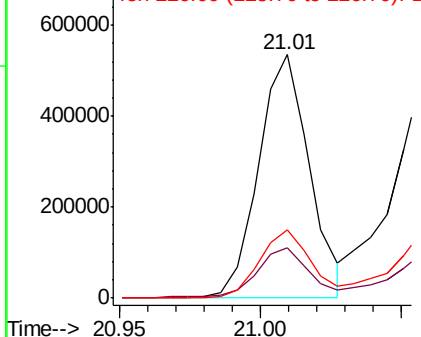
#83
 Benzo(a)anthracene
 Concen: 5.752 ng/ul
 RT: 21.01 min Scan# 3081
 Delta R.T. -0.01 min
 Lab File: BM024789.D
 Acq: 08 Feb 2020 08:28

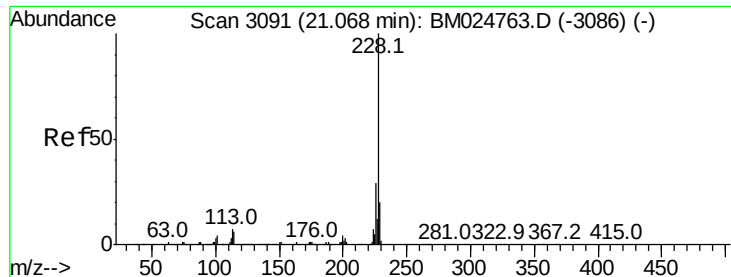
Tgt Ion:228 Resp: 663814

Ion	Ratio	Lower	Upper
228	100		
229	20.4	15.9	23.9
226	27.9	20.8	31.2



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





#85

Chrysene

Concen: 6.082 ng/ul

RT: 21.06 min Scan# 3089

Delta R.T. -0.01 min

Lab File: BM024789.D

Acq: 08 Feb 2020 08:28

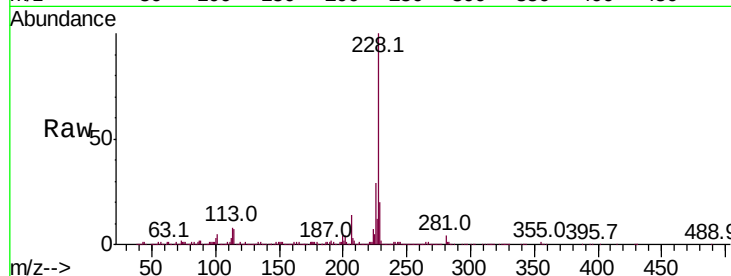
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 691027

Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.0	34.4
229	19.9	15.8	23.8

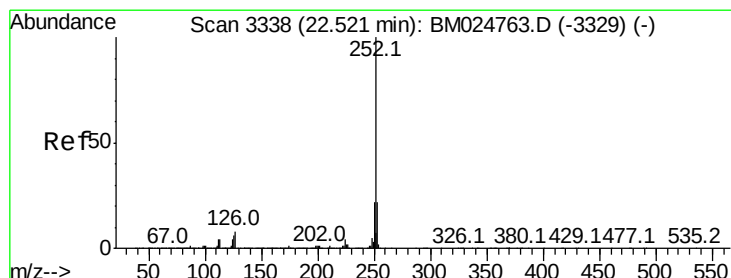
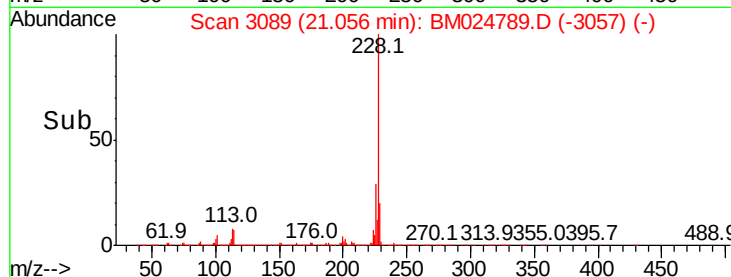
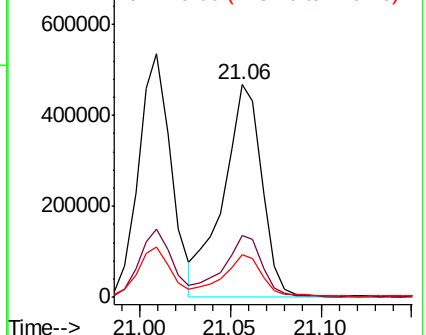


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#88

Benzo(b)fluoranthene

Concen: 8.981 ng/ul

RT: 22.51 min Scan# 3336

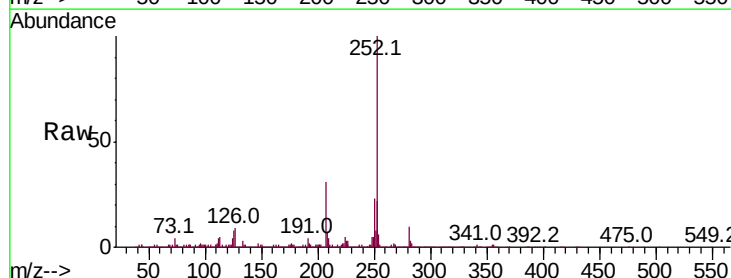
Delta R.T. -0.01 min

Lab File: BM024789.D

Acq: 08 Feb 2020 08:28

Tgt Ion:252 Resp: 1000835

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.3	25.9
125	7.8	5.1	7.7#

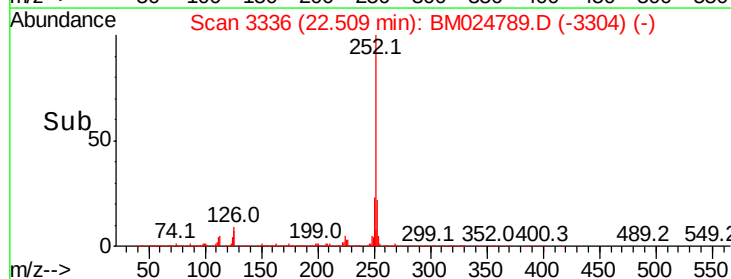
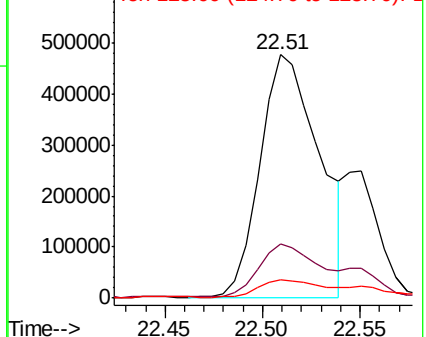


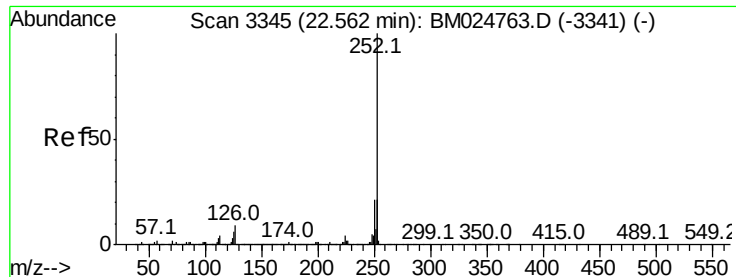
Abundance

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

Benzo(k)fluoranthene

Concen: 9.331 ng/ul

RT: 22.51 min Scan# 3336

Delta R.T. -0.05 min

Lab File: BM024789.D

Acq: 08 Feb 2020 08:28

Instrument :

BNA_M

ClientSampleId :

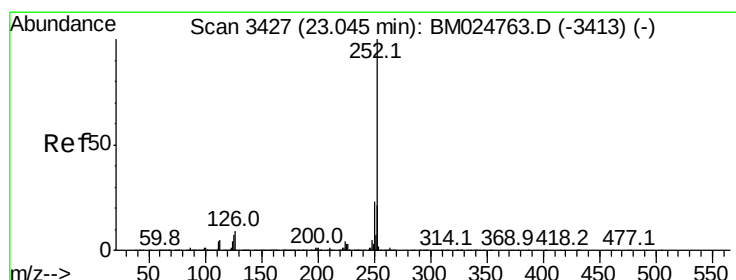
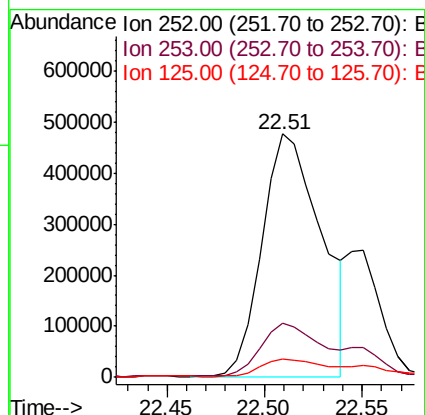
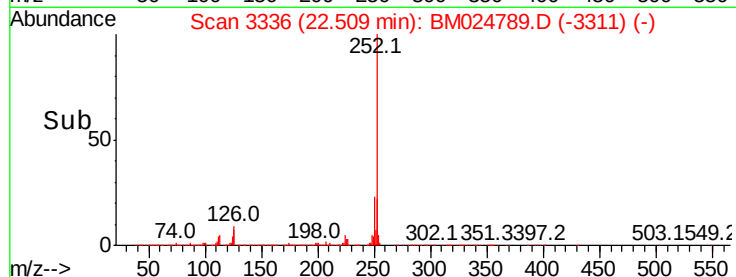
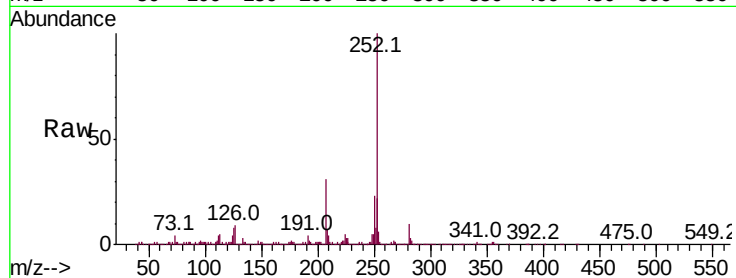
Tot Ion:252 Resp: 1000835

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

125 7.8 5.1 7.7#



#91

Benzo(a)pyrene

Concen: 5.580 ng/ul

RT: 23.03 min Scan# 3425

Delta R.T. -0.01 min

Lab File: BM024789.D

Acq: 08 Feb 2020 08:28

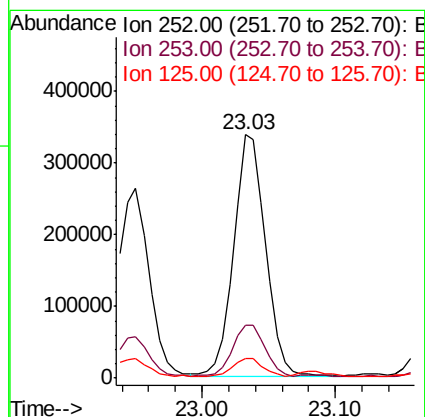
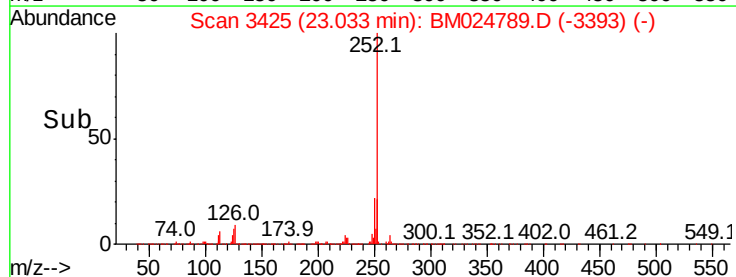
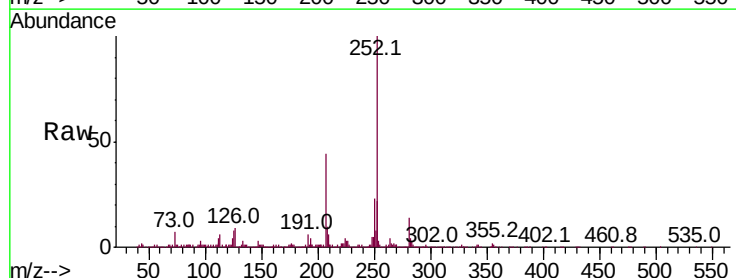
Tgt Ion:252 Resp: 557521

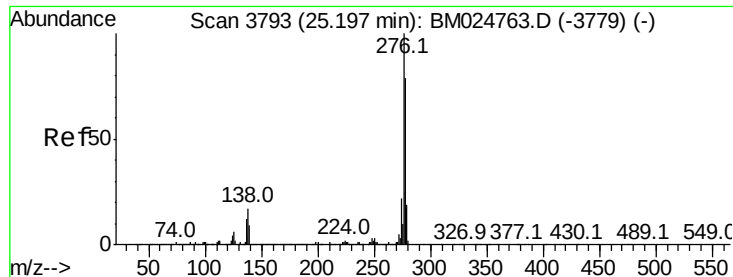
Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 8.0 5.6 8.4



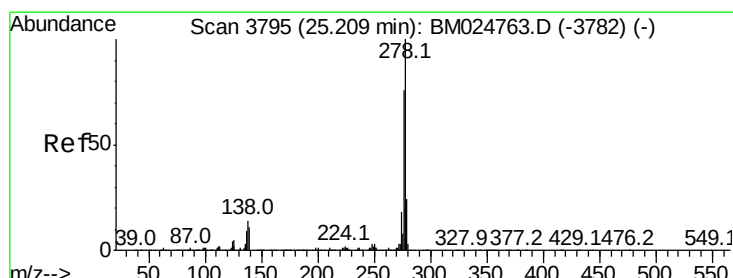
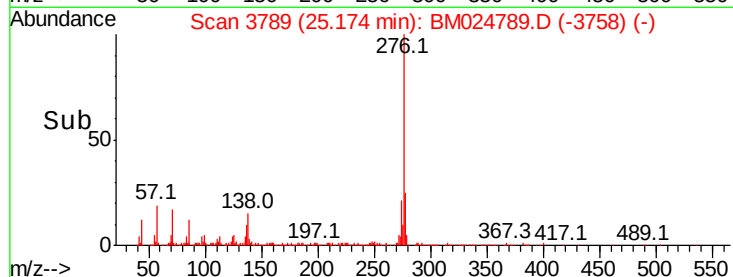
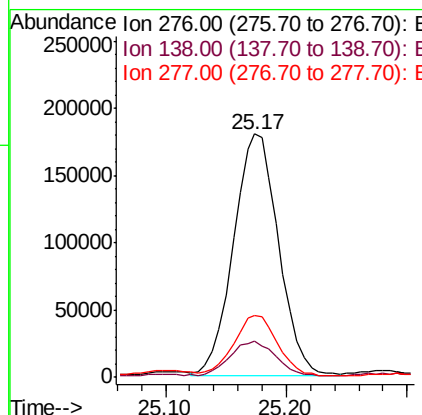
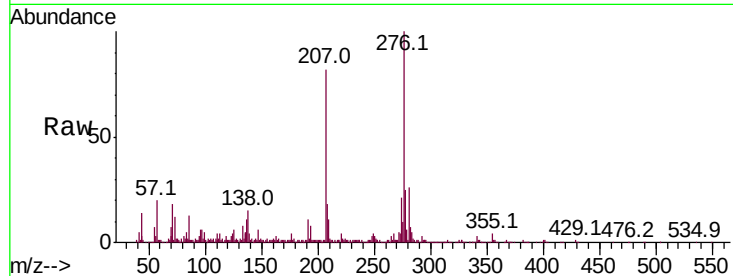


#92

Indeno(1,2,3-cd)pyrene
Concen: 3.751 ng/ul
RT: 25.17 min Scan# 3789
Delta R.T. -0.02 min
Lab File: BM024789.D
Acq: 08 Feb 2020 08:28

Instrument :
BNA_M
ClientSampled :

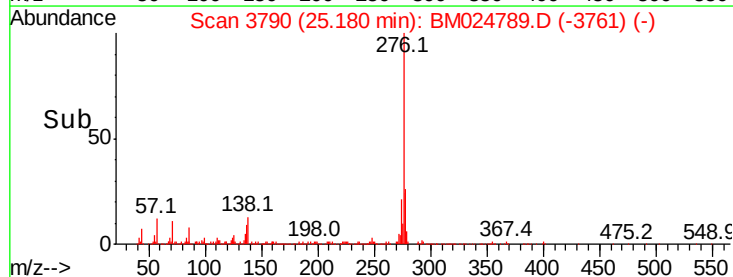
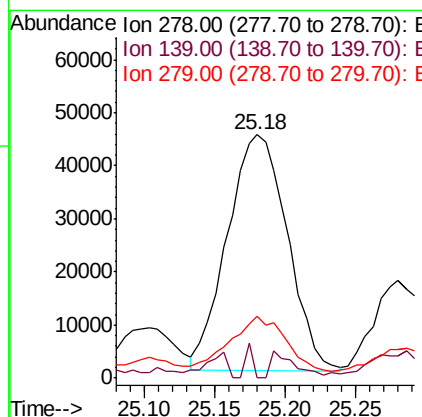
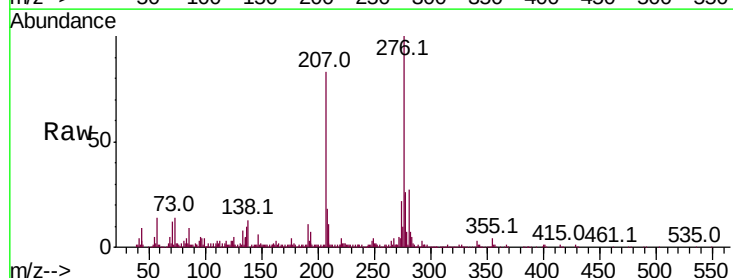
Tot Ion	Ratio	Lower	Upper
276	100		
138	15.0	12.8	19.2
277	25.4	19.3	28.9

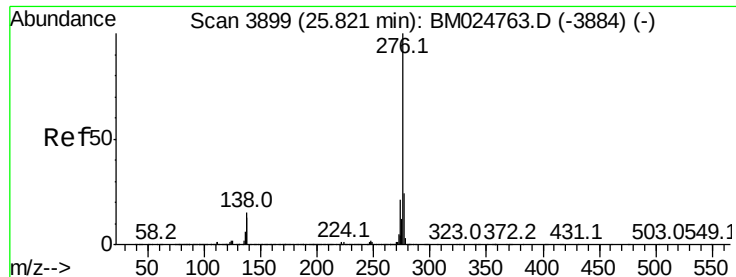


#93

Dibenzo(a,h)anthracene
Concen: 1.244 ng/ul
RT: 25.18 min Scan# 3790
Delta R.T. -0.03 min
Lab File: BM024789.D
Acq: 08 Feb 2020 08:28

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	8.4	12.6#
279	25.4	18.5	27.7





#94

Benzo(a,h,i)perylene

Concen: 3.349 ng/ul

RT: 25.80 min Scan# 3895

Delta R.T. -0.02 min

Lab File: BM024789.D

Acq: 08 Feb 2020 08:28

Instrument :

BNA_M

ClientSampleId :

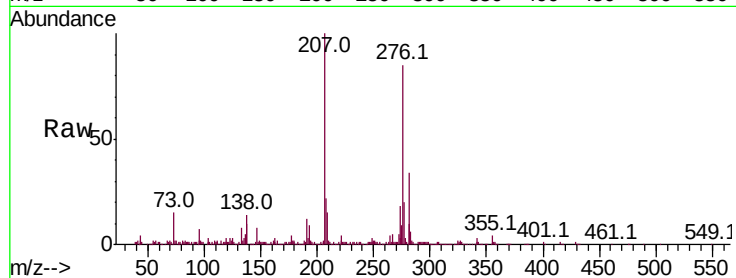
Tot Ion: 276 Resp: 346456

Ion Ratio Lower Upper

276 100

138 16.2 11.8 17.6

277 23.6 19.0 28.6



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

