

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112719\
 Data File : BM023960.D
 Acq On : 28 Nov 2019 19:38
 Operator : JU
 Sample : K5851-05RE
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA3

Quant Time: Nov 28 21:37:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 27 17:16:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.49	152	434850	20.00	ng/ul	0.00
18) Naphthalene-d8	10.26	136	1748926	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.15	164	1040929	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.90	188	2111576	20.00	ng/ul	0.00
78) Chrysene-d12	21.10	240	2113520	20.00	ng/ul	-0.01
86) Perylene-d12	23.25	264	2633553	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.04	96	33001	3.38	ng/uL	0.00
5) Phenol-d5	6.67	99	593314	15.57	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.83	67	351930	15.88	ng/ul	0.00
9) 2-Chlorophenol-d4	7.02	132	480796	16.32	ng/ul	0.00
13) 4-Methylphenol-d8	8.20	113	445101	14.80	ng/ul	0.00
19) Nitrobenzene-d5	8.64	128	221709	16.33	ng/ul	0.00
22) 2-Nitrophenol-d4	9.36	143	241462	15.65	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.89	165	462857	15.84	ng/ul	0.00
29) 4-Chloroaniline-d4	10.41	131	390043	12.16	ng/ul	0.00
44) Dimethylphthalate-d6	13.57	166	1363575	16.86	ng/ul	0.00
47) Acenaphthylene-d8	13.83	160	1661932	17.53	ng/ul	0.00
52) 4-Nitrophenol-d4	14.38	143	143804	10.58	ng/ul	0.00
58) Fluorene-d10	15.14	176	1232368	18.11	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.29	200	135004	10.18	ng/ul	0.00
71) Anthracene-d10	17.00	188	1866325	18.51	ng/ul	0.00
79) Pyrene-d10	19.30	212	2055835	18.82	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.12	264	2629010	18.89	ng/ul	-0.01

Target Compounds

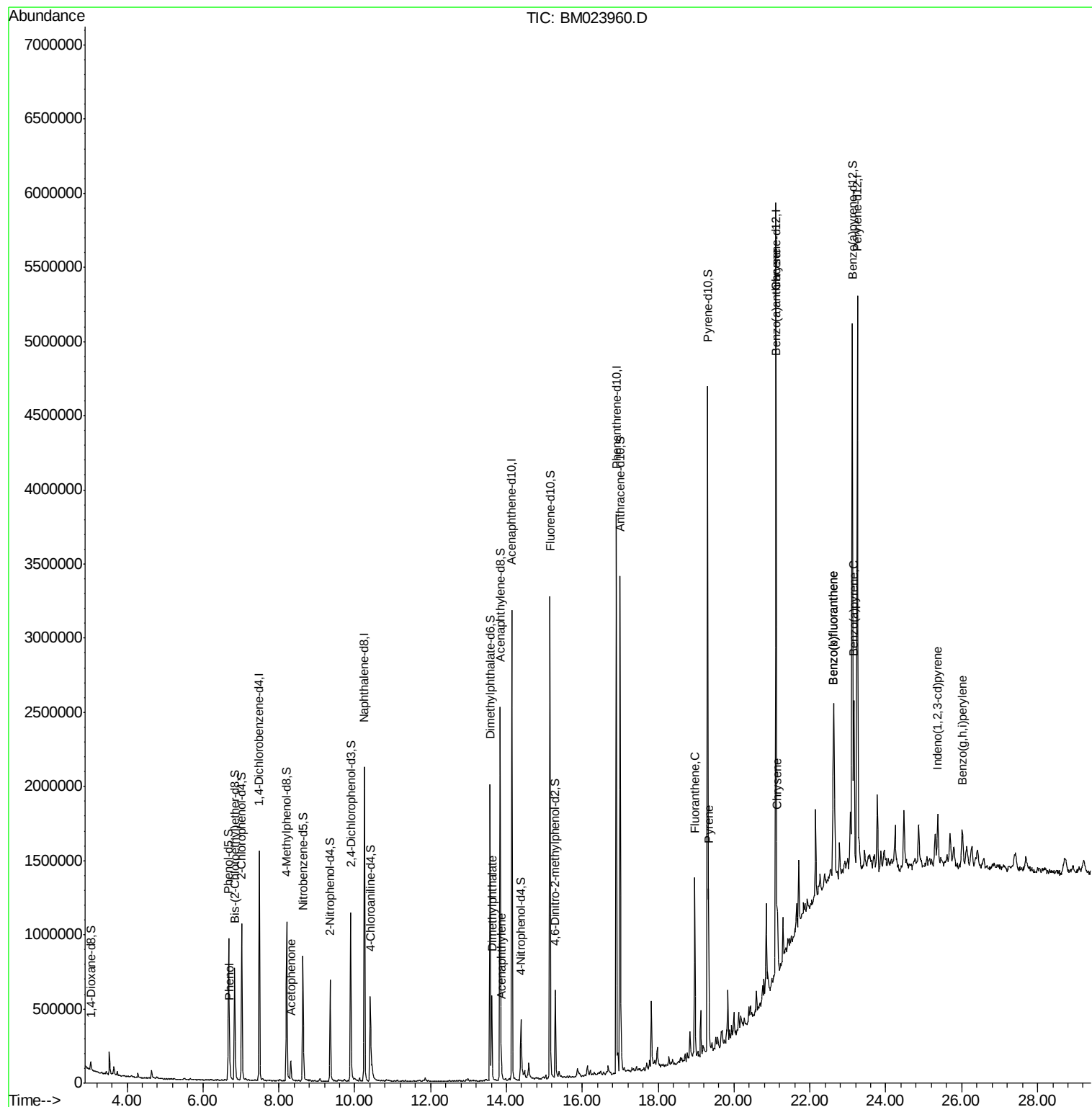
					Ovalue
6) Phenol	6.70	94	64520	1.646 ng/ul	92
14) Acetophenone	8.32	105	80250	1.746 ng/ul	96
45) Dimethylphthalate	13.62	163	369376	4.665 ng/ul	98
48) Acenaphthylene	13.86	152	96988	1.012 ng/ul	99
77) Fluoranthene	18.97	202	711263	5.560 ng/ul	99
80) Pyrene	19.33	202	632912	4.444 ng/ul	99
83) Benzo(a)anthracene	21.09	228	499113	3.533 ng/ul	95
85) Chrysene	21.14	228	426739	3.217 ng/ul	96
88) Benzo(b)fluoranthene	22.62	252	685194	4.207 ng/ul#	94
89) Benzo(k)fluoranthene	22.62	252	685194	4.432 ng/ul#	95
91) Benzo(a)pyrene	23.16	252	477117	3.098 ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.37	276	319418	1.670 ng/ul	95
94) Benzo(g,h,i)perylene	26.01	276	287832	1.797 ng/ul	95

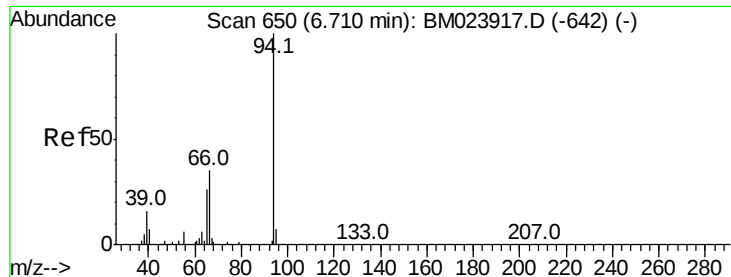
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Phenol

Concen: 1.646 ng/ul

RT: 6.70 min Scan# 649

Delta R.T. -0.01 min

Lab File: BM023960.D

Acq: 28 Nov 2019 19:38

Instrument :

BNA_M

ClientSampleId :

C0AA3

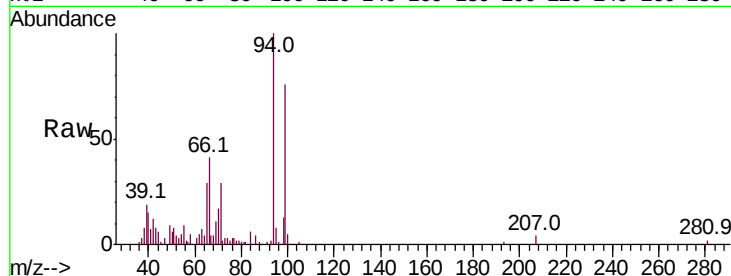
Tot Ion: 94 Resp: 64520

Ion Ratio Lower Upper

94 100

65 28.9 20.8 31.2

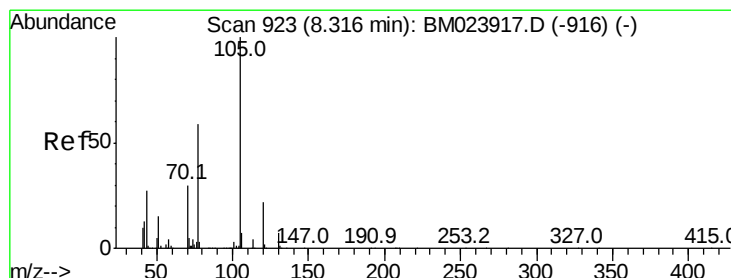
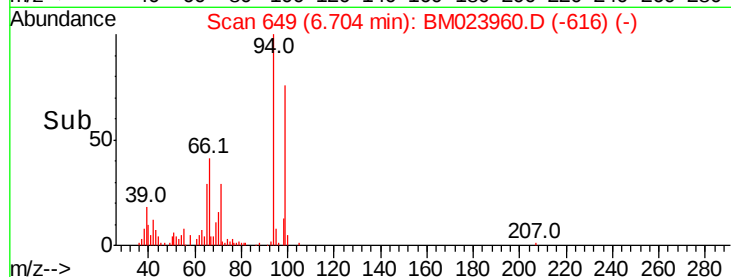
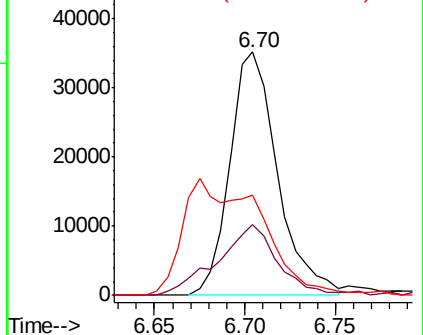
66 41.3 28.6 43.0



Abundance Ion 94.00 (93.70 to 94.70): BM023917.D (-642) (-)

Ion 65.00 (64.70 to 65.70): BM023917.D (-642) (-)

Ion 66.00 (65.70 to 66.70): BM023917.D (-642) (-)



#14

Acetophenone

Concen: 1.746 ng/ul

RT: 8.32 min Scan# 923

Delta R.T. 0.00 min

Lab File: BM023960.D

Acq: 28 Nov 2019 19:38

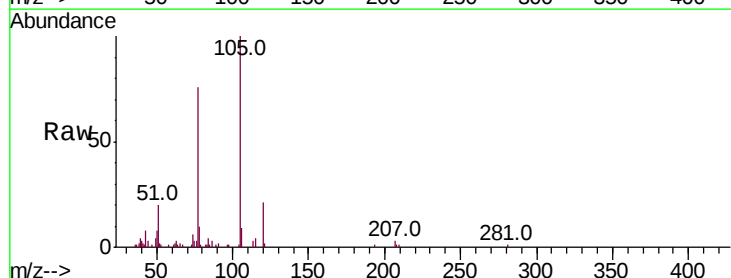
Tgt Ion: 105 Resp: 80250

Ion Ratio Lower Upper

105 100

77 76.1 64.2 96.2

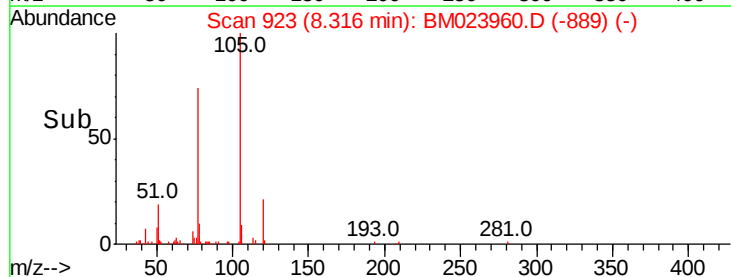
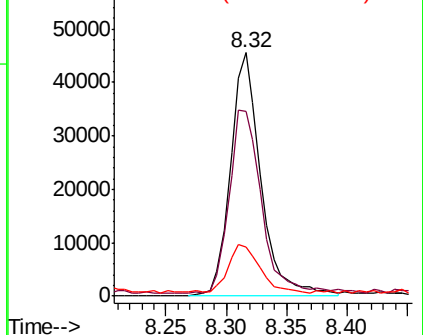
51 20.3 16.7 25.1

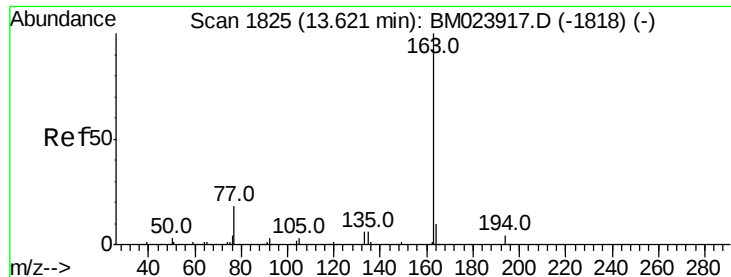


Abundance Ion 105.00 (104.70 to 105.70): BM023917.D (-916) (-)

Ion 77.00 (76.70 to 77.70): BM023917.D (-916) (-)

Ion 51.00 (50.70 to 51.70): BM023917.D (-916) (-)





#45

Dimethylphthalate

Concen: 4.665 ng/ul

RT: 13.62 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BM023960.D

Acq: 28 Nov 2019 19:38

Instrument :

BNA_M

ClientSampleId :

C0AA3

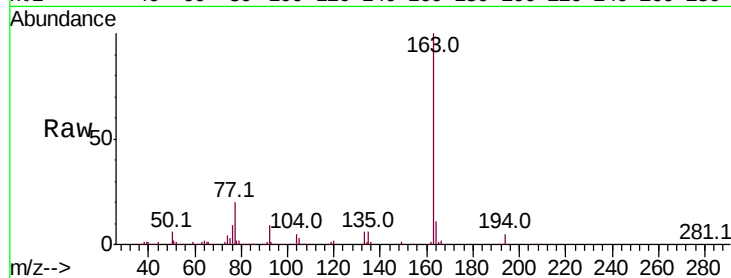
Tot Ion:163 Resp: 369376

Ion Ratio Lower Upper

163 100

194 4.5 3.2 4.8

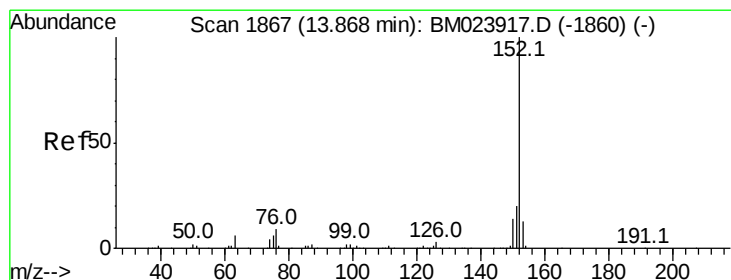
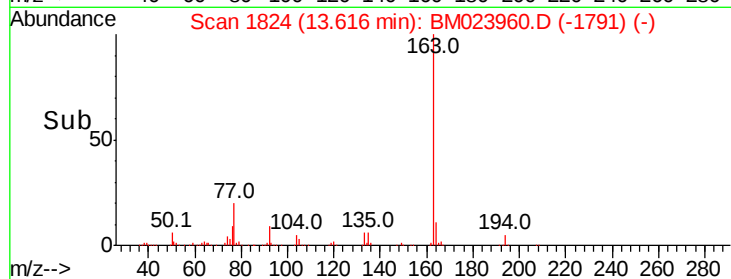
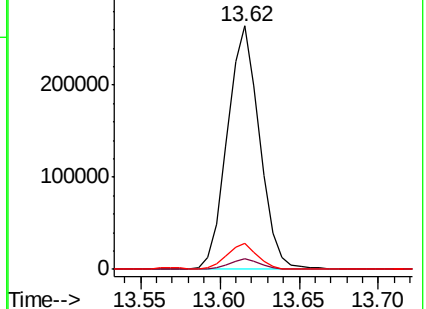
164 10.8 8.0 12.0



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



#48

Acenaphthylene

Concen: 1.012 ng/ul

RT: 13.86 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BM023960.D

Acq: 28 Nov 2019 19:38

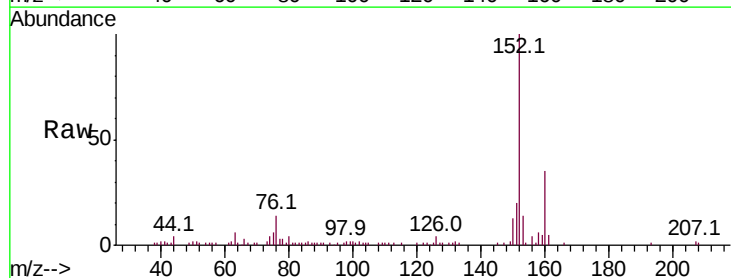
Tgt Ion:152 Resp: 96988

Ion Ratio Lower Upper

152 100

151 19.9 16.1 24.1

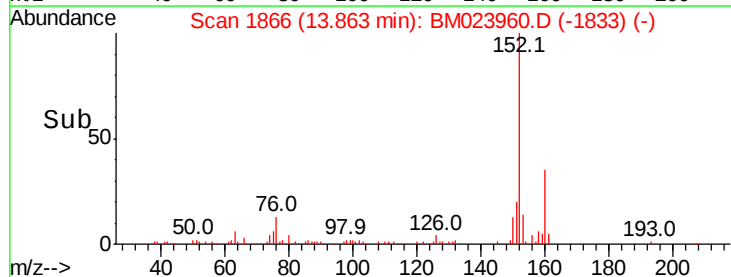
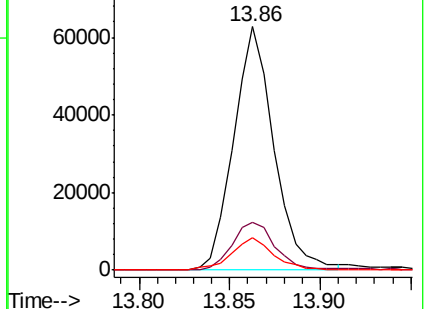
153 13.5 10.3 15.5

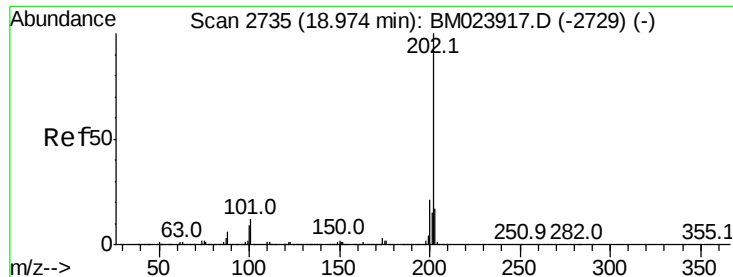


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

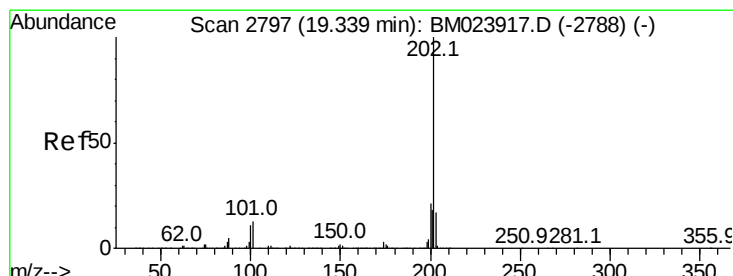
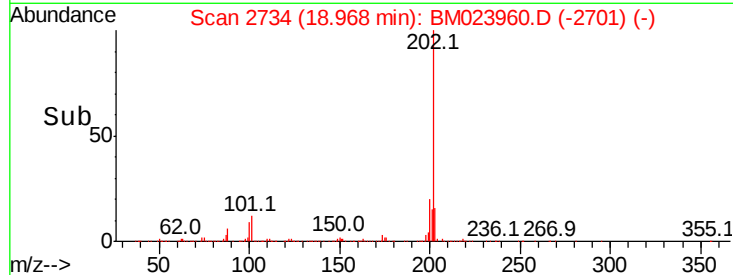
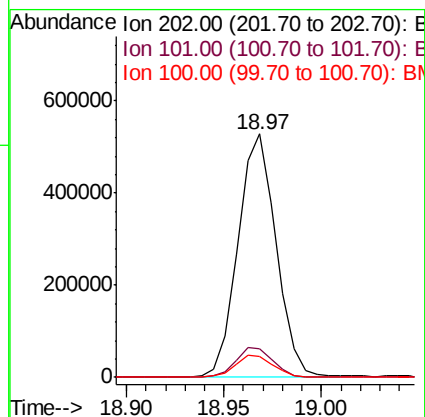
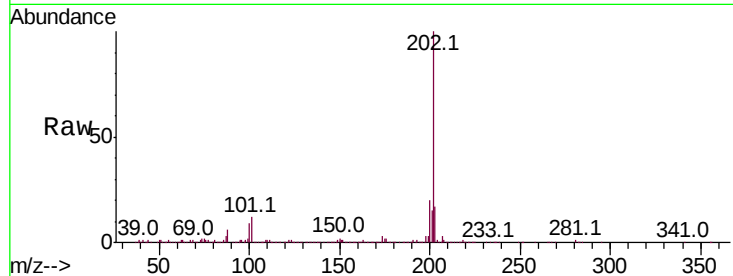




#77
 Fluoranthene
 Concen: 5.560 ng/ul
 RT: 18.97 min Scan# 2734
 Delta R.T. -0.01 min
 Lab File: BM023960.D
 Acq: 28 Nov 2019 19:38

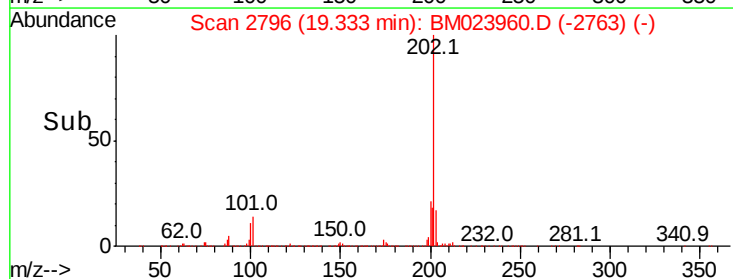
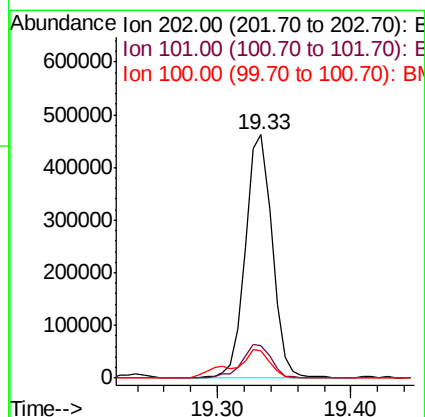
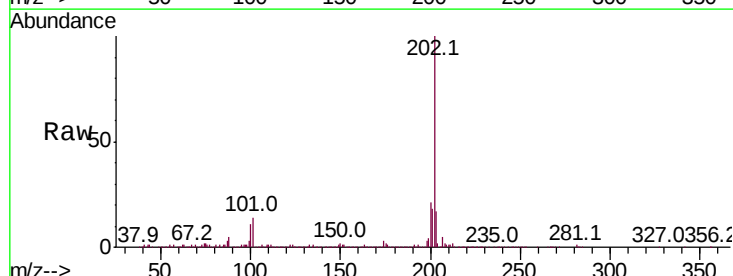
Instrument :
 BNA_M
 ClientSampleId :
 C0AA3

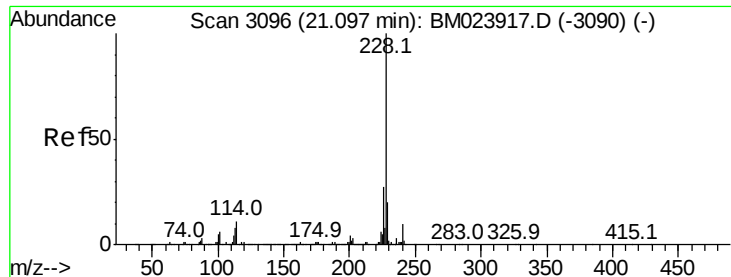
Tot Ion:	202	Resp:	711263
Ion	Ratio	Lower	Upper
202	100		
101	11.9	9.8	14.6
100	8.8	7.4	11.0



#80
 Pyrene
 Concen: 4.444 ng/ul
 RT: 19.33 min Scan# 2796
 Delta R.T. -0.01 min
 Lab File: BM023960.D
 Acq: 28 Nov 2019 19:38

Tgt Ion:	202	Resp:	632912
Ion	Ratio	Lower	Upper
202	100		
101	13.5	11.5	17.3
100	11.3	9.1	13.7





#83

Benzo(a)anthracene

Concen: 3.533 ng/ul

RT: 21.09 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BM023960.D

Acq: 28 Nov 2019 19:38

Instrument :

BNA_M

ClientSampleId :

C0AA3

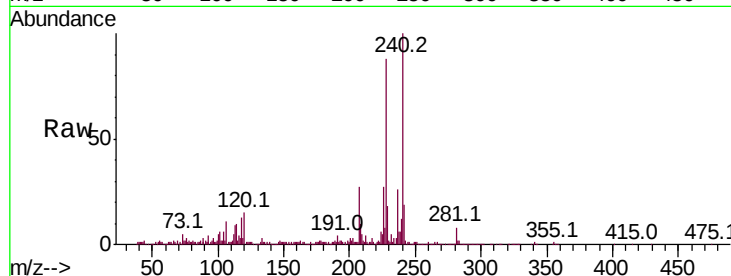
Tot Ion:228 Resp: 499113

Ion Ratio Lower Upper

228 100

229 20.9 15.5 23.3

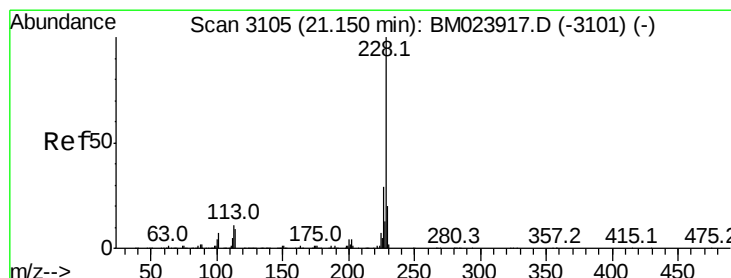
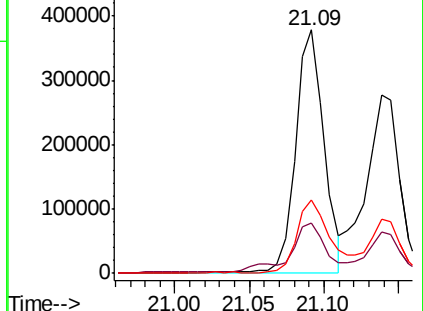
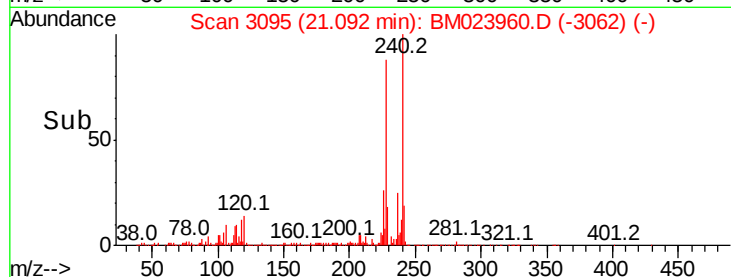
226 30.3 21.7 32.5



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: 3.217 ng/ul

RT: 21.14 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BM023960.D

Acq: 28 Nov 2019 19:38

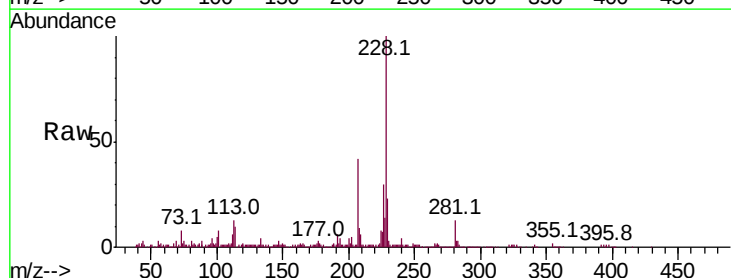
Tgt Ion:228 Resp: 426739

Ion Ratio Lower Upper

228 100

226 30.1 23.8 35.8

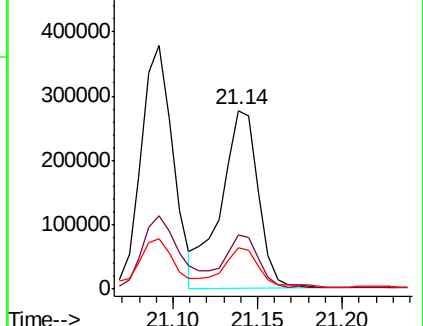
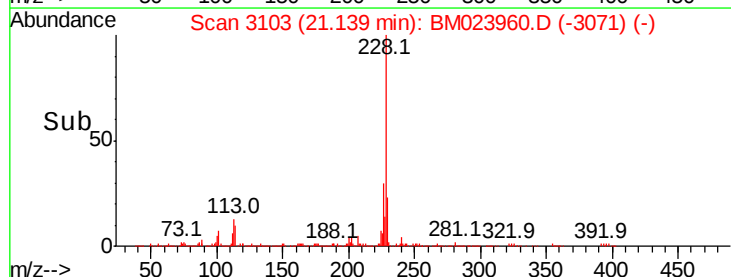
229 23.4 15.6 23.4

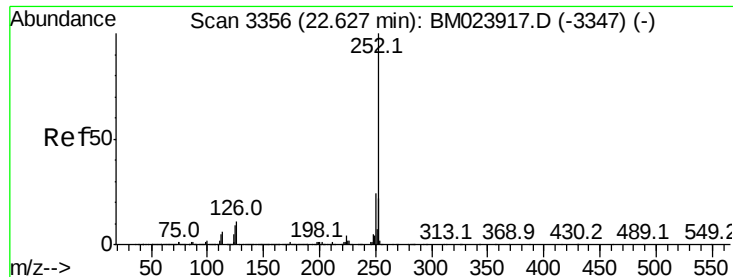


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 4.207 ng/ul

RT: 22.62 min Scan# 3354

Delta R.T. -0.01 min

Lab File: BM023960.D

Acq: 28 Nov 2019 19:38

Instrument :

BNA_M

ClientSampleId :

C0AA3

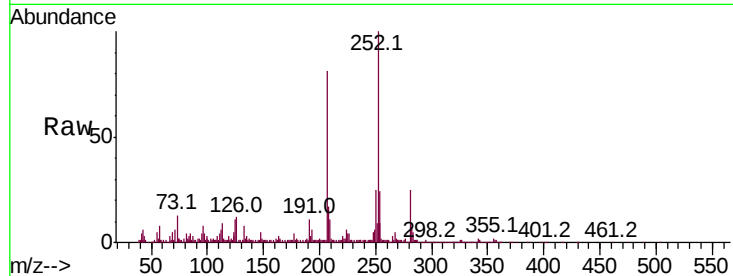
Tot Ion:252 Resp: 685194

Ion Ratio Lower Upper

252 100

253 24.2 17.2 25.8

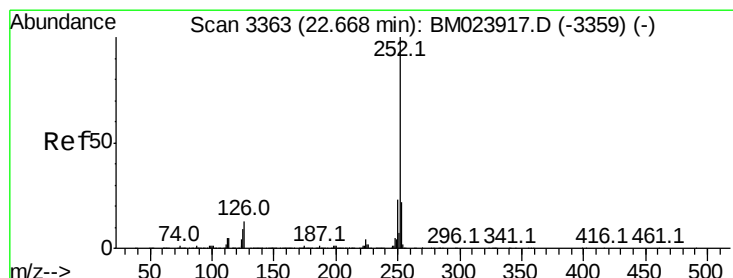
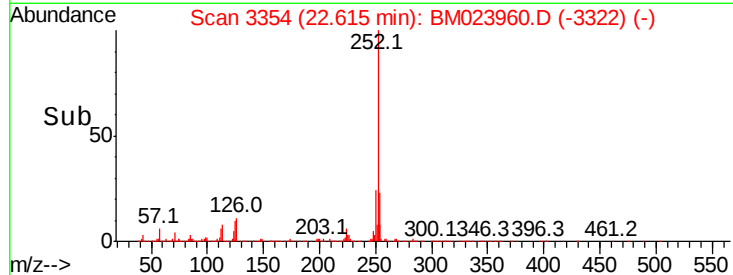
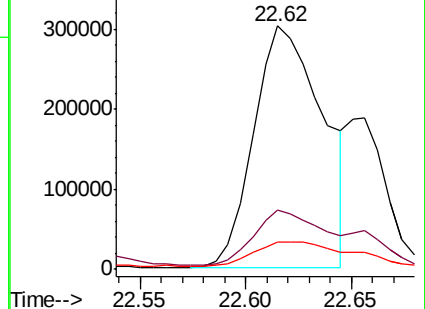
125 11.2 7.1 10.7#



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: 4.432 ng/ul

RT: 22.62 min Scan# 3354

Delta R.T. -0.05 min

Lab File: BM023960.D

Acq: 28 Nov 2019 19:38

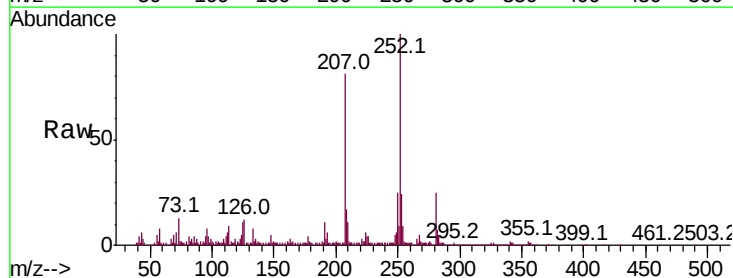
Tgt Ion:252 Resp: 685194

Ion Ratio Lower Upper

252 100

253 24.2 17.5 26.3

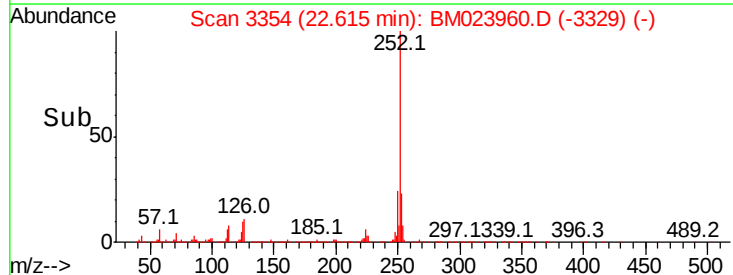
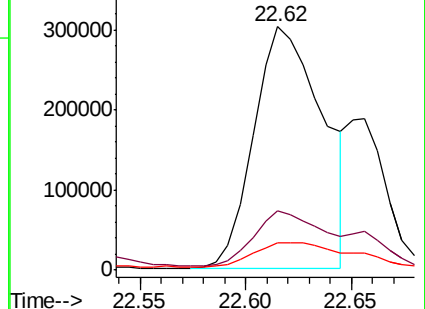
125 11.2 7.4 11.0#

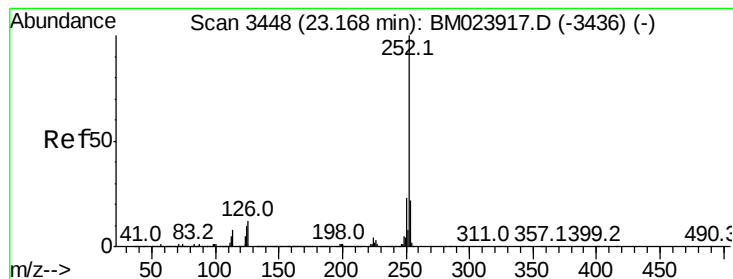


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 3.098 ng/ul

RT: 23.16 min Scan# 3446

Delta R.T. -0.01 min

Lab File: BM023960.D

Acq: 28 Nov 2019 19:38

Instrument :

BNA_M

ClientSampleId :

C0AA3

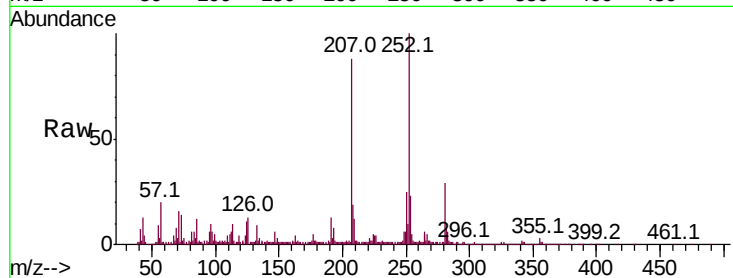
Tot Ion:252 Resp: 477117

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

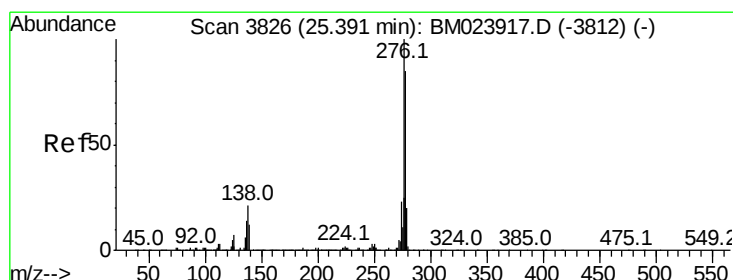
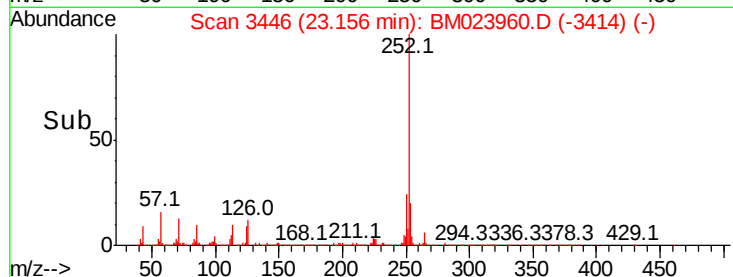
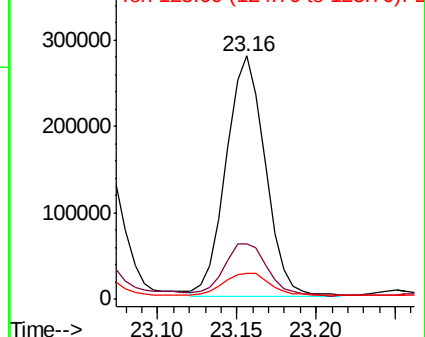
125 10.9 8.6 12.8



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 1.670 ng/ul

RT: 25.37 min Scan# 3823

Delta R.T. -0.02 min

Lab File: BM023960.D

Acq: 28 Nov 2019 19:38

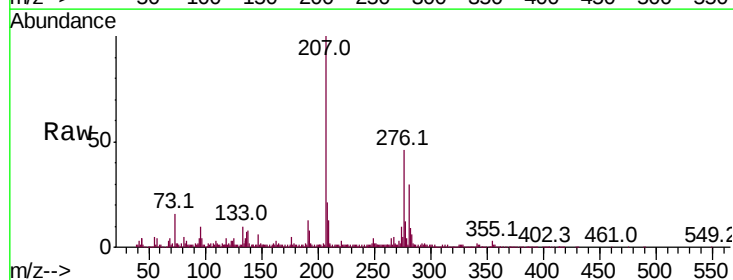
Tgt Ion:276 Resp: 319418

Ion Ratio Lower Upper

276 100

138 17.9 17.2 25.8

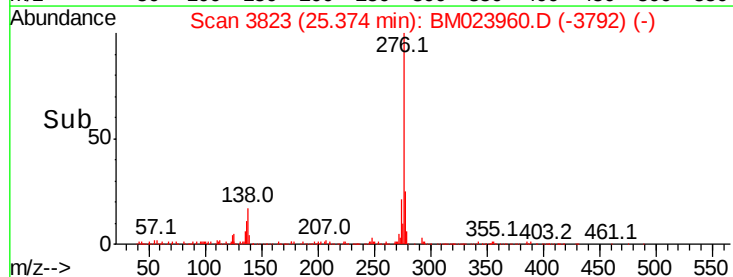
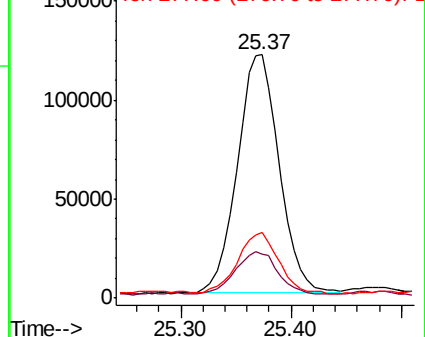
277 26.8 20.5 30.7

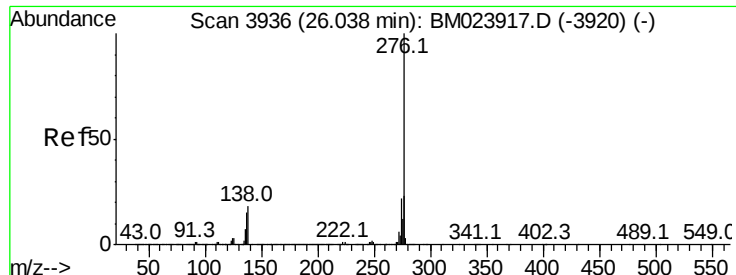


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#94

Benzo(a,h,i)perylene

Concen: 1.797 ng/ul

RT: 26.01 min Scan# 3932

Delta R.T. -0.02 min

Lab File: BM023960.D

Acq: 28 Nov 2019 19:38

Instrument :

BNA_M

ClientSampleId :

C0AA3

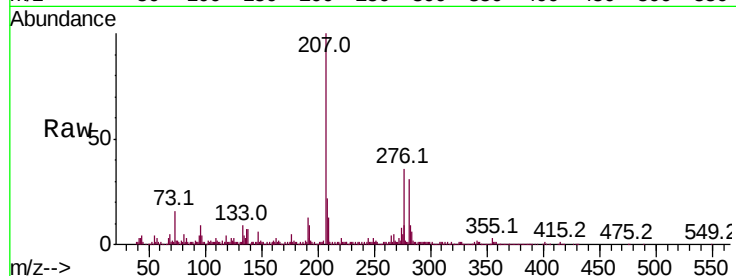
Tot Ion: 276 Resp: 287832

Ion Ratio Lower Upper

276 100

138 20.3 14.2 21.2

277 25.7 18.8 28.2



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

