

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM101317\
 Data File : BM012160.D
 Acq On : 14 Oct 2017 06:51
 Operator : SJ/JU
 Sample : I5649-08 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 15 05:21:49 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 14 00:15:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	295477	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.62	136	1236960	20.00	ng/ul	-0.04
35) Acenaphthene-d10	14.47	164	709094	20.00	ng/ul	-0.03
61) Phenanthrene-d10	17.22	188	1497359	20.00	ng/ul	-0.03
75) Chrysene-d12	21.40	240	1314067	20.00	ng/ul	-0.04
83) Perylene-d12	23.72	264	1363959	20.00	ng/ul	-0.05

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.24	96	7176	1.15	ng/uL	-0.01
5) Phenol-d5	6.99	99	154695	6.45	ng/ul	-0.03
7) Bis-(2-Chloroethyl)ether-d	7.15	67	94252	6.56	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.35	132	137471	6.76	ng/ul	-0.03
13) 4-Methylphenol-d8	8.53	113	130186	6.31	ng/ul	-0.04
19) Nitrobenzene-d5	8.99	128	63202	6.70	ng/ul	-0.03
22) 2-Nitrophenol-d4	9.71	143	76328	6.92	ng/ul	-0.03
26) 2,4-Dichlorophenol-d3	10.25	165	148946	7.07	ng/ul	-0.04
29) 4-Chloroaniline-d4	10.77	131	103949	5.27	ng/ul	-0.02
43) Dimethylphthalate-d6	13.87	166	477106	7.61	ng/ul	-0.03
46) Acenaphthylene-d8	14.17	160	563935	7.43	ng/ul	-0.03
51) 4-Nitrophenol-d4	14.70	143	33019	3.50	ng/ul	-0.03
57) Fluorene-d10	15.46	176	395220	7.68	ng/ul	-0.04
62) 4,6-Dinitro-2-methylphenol	15.61	200	39156	3.81	ng/ul	-0.04
70) Anthracene-d10	17.32	188	573536	7.75	ng/ul	-0.04
76) Pyrene-d10	19.62	212	582720	8.74	ng/ul	-0.03
87) Benzo(a)pyrene-d12	23.57	264	534661	8.13	ng/ul	-0.05

Target Compounds

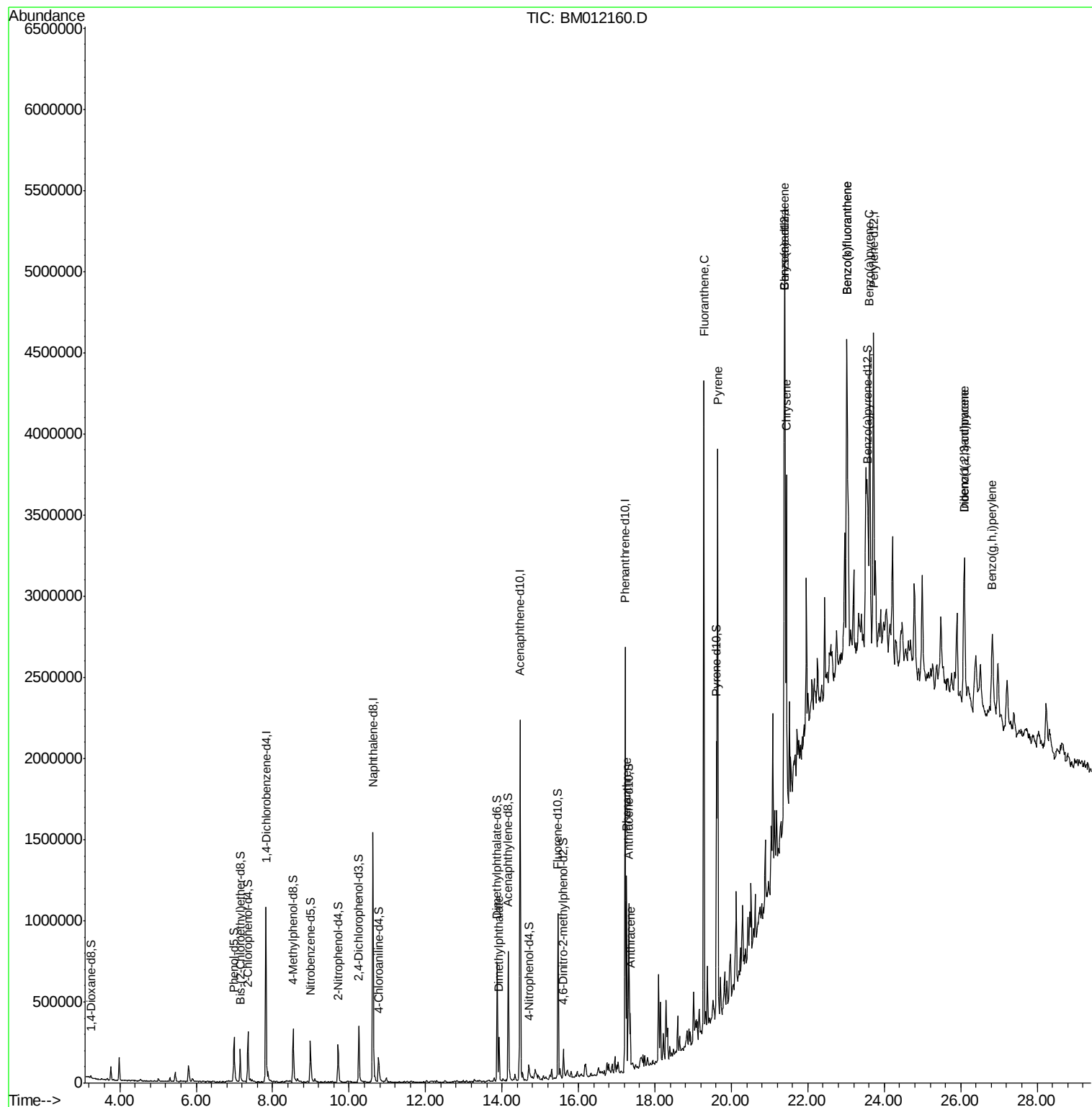
					Ovalue	
44) Dimethylphthalate	13.92	163	165133	2.630	ng/ul	99
69) Phenanthrene	17.26	178	677213	7.950	ng/ul	99
71) Anthracene	17.35	178	204210	2.316	ng/ul	97
74) Fluoranthene	19.28	202	2340359	22.767	ng/ul#	93
77) Pyrene	19.64	202	2104264	24.247	ng/ul#	93
80) Benzo(a)anthracene	21.39	228	1328442	15.536	ng/ul	98
82) Chrysene	21.44	228	1170422	14.580	ng/ul	96
85) Benzo(b)fluoranthene	23.02	252	1705491	19.161	ng/ul#	96
86) Benzo(k)fluoranthene	23.02	252	1705491	19.883	ng/ul#	94
88) Benzo(a)pyrene	23.62	252	1271303	15.154	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	26.09	276	829785	9.314	ng/ul#	96
90) Dibenzo(a,h)anthracene	26.09	278	210607	2.812	ng/ul#	75
91) Benzo(g,h,i)perylene	26.83	276	654955	8.976	ng/ul#	93

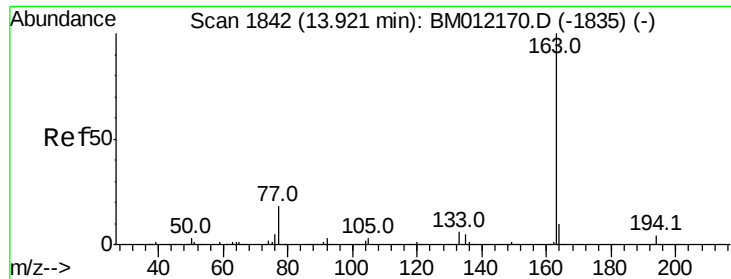
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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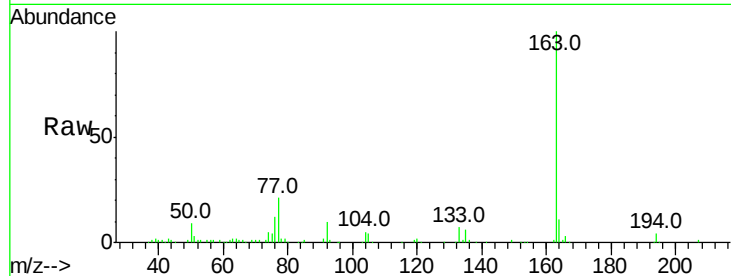




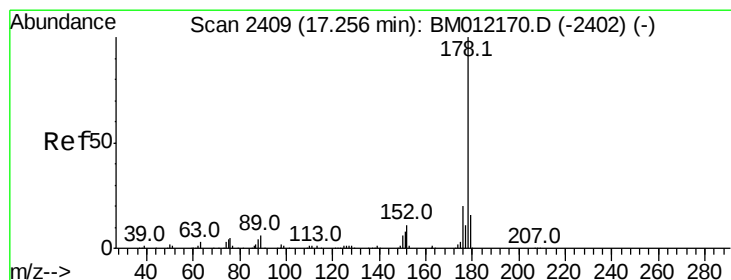
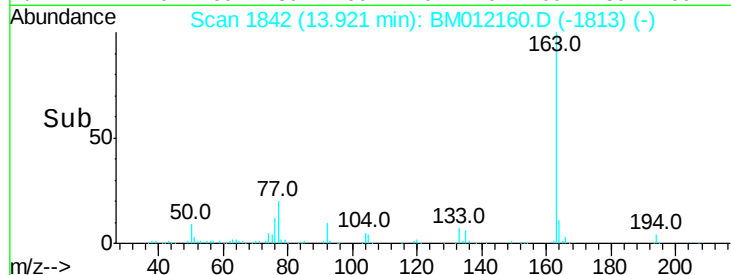
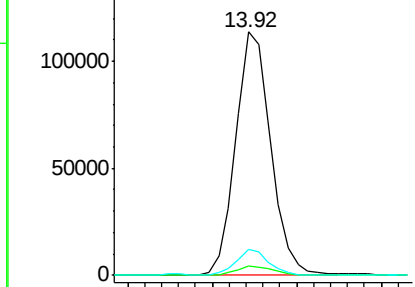
#44
Dimethylphthalate
Concen: 2.630 ng/ul
RT: 13.92 min Scan# 1842
Delta R.T. -0.03 min
Lab File: BM012160.D
Acq: 14 Oct 2017 06:51

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.5	5.3
164	10.8	8.2	12.4

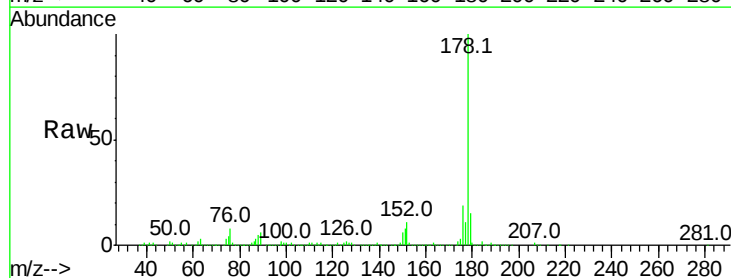


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

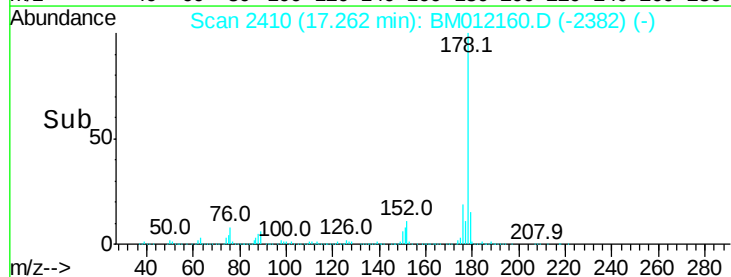
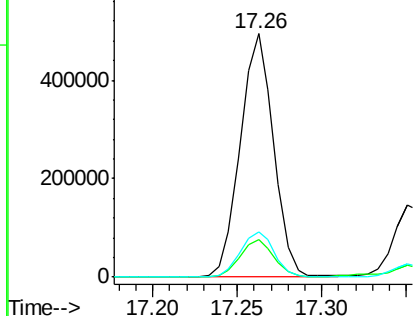


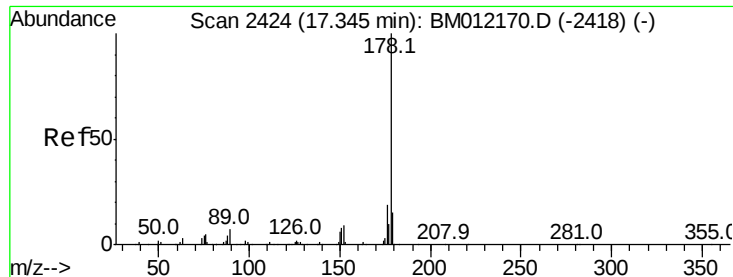
#69
Phenanthrene
Concen: 7.950 ng/ul
RT: 17.26 min Scan# 2410
Delta R.T. -0.04 min
Lab File: BM012160.D
Acq: 14 Oct 2017 06:51

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.6	19.0
176	18.7	14.9	22.3



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





#71

Anthracene

Concen: 2.316 ng/ul

RT: 17.35 min Scan# 2425

Delta R.T. -0.04 min

Lab File: BM012160.D

Acq: 14 Oct 2017 06:51

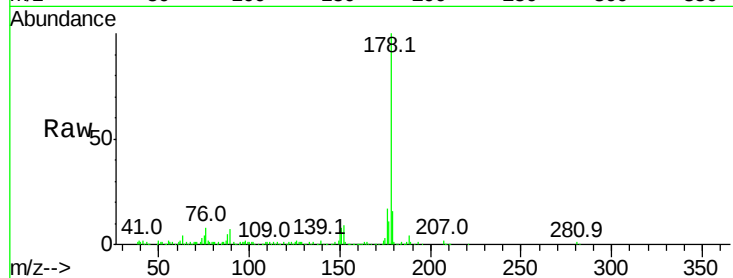
Instrument :

BNA_M

ClientSampled :

Tot Ion:178 Resp: 204210

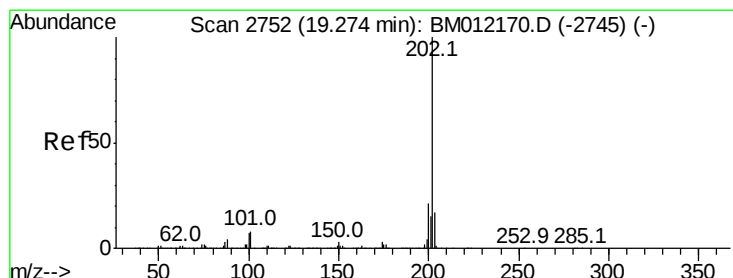
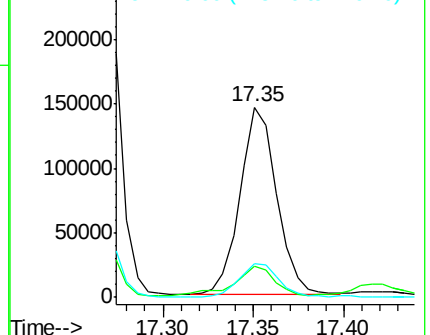
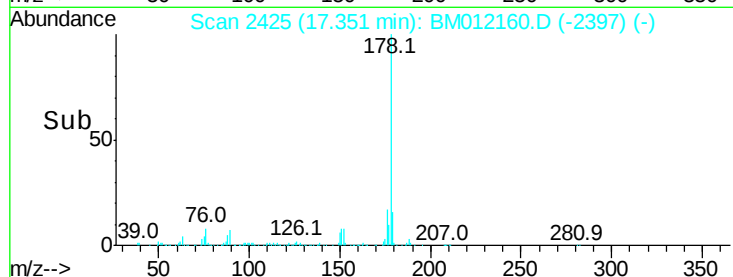
Ion	Ratio	Lower	Upper
178	100		
179	16.5	11.7	17.5
176	17.4	14.6	21.8



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



#74

Fluoranthene

Concen: 22.767 ng/ul

RT: 19.28 min Scan# 2753

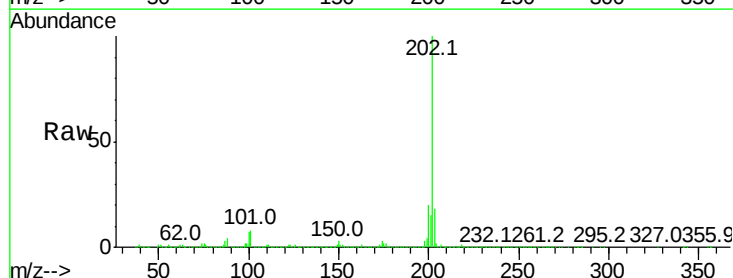
Delta R.T. -0.03 min

Lab File: BM012160.D

Acq: 14 Oct 2017 06:51

Tgt Ion:202 Resp: 2340359

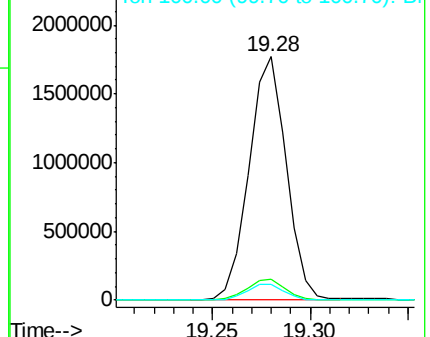
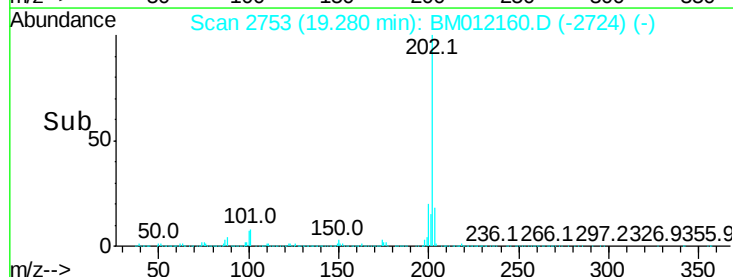
Ion	Ratio	Lower	Upper
202	100		
101	8.5	4.6	7.0#
100	6.6	3.4	5.2#

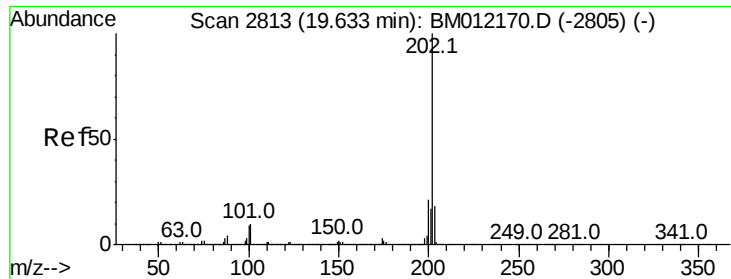


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

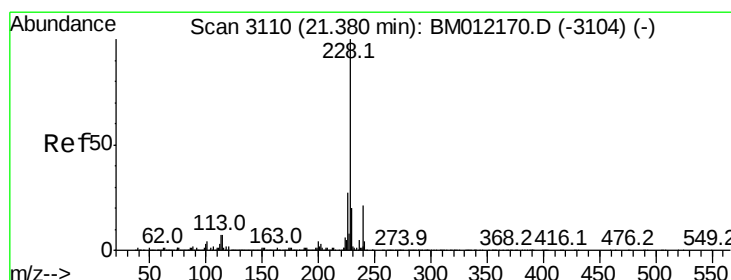
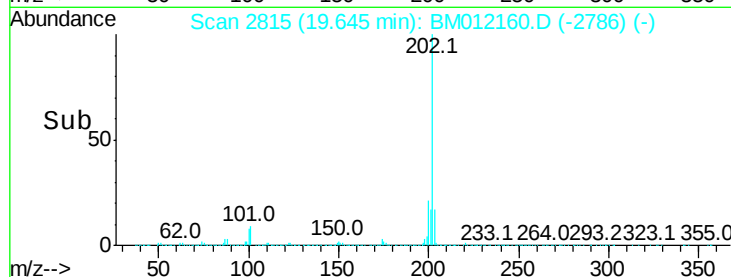
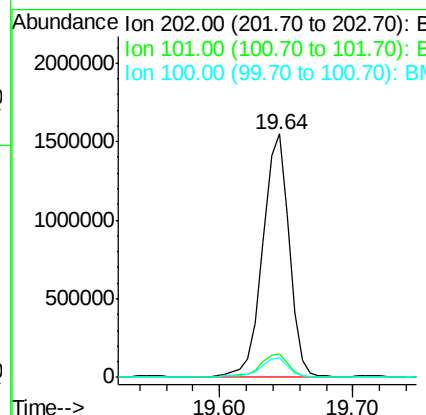
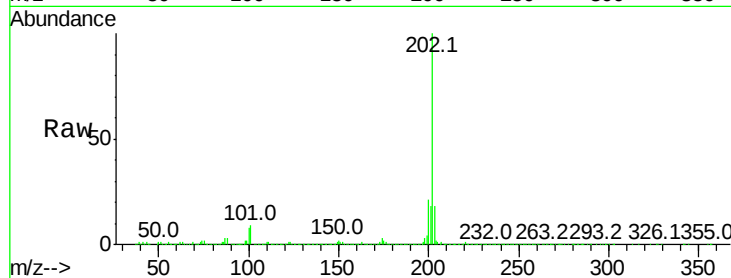




#77
Pvrene
Concen: 24.247 ng/ul
RT: 19.64 min Scan# 2815
Delta R.T. -0.03 min
Lab File: BM012160.D
Acq: 14 Oct 2017 06:51

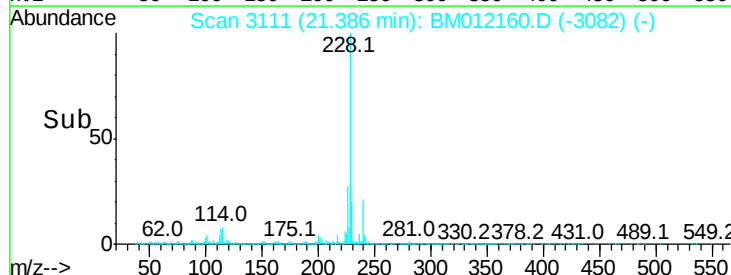
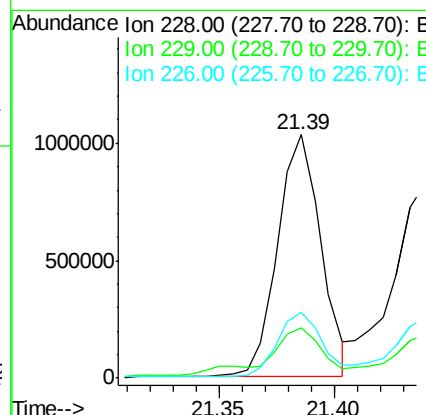
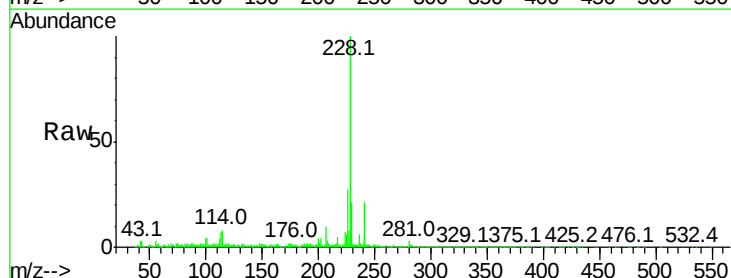
Instrument :
BNA_M
ClientSampleId :

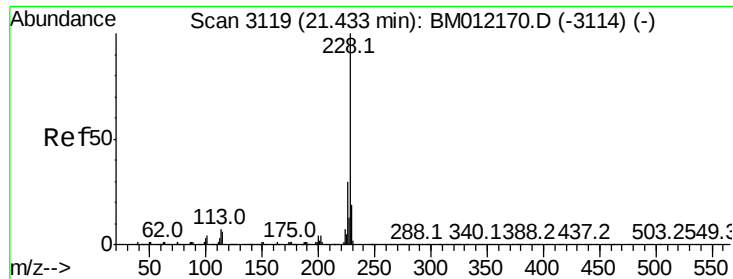
Tot Ion:202 Resp: 2104264
Ion Ratio Lower Upper
202 100
101 9.5 5.1 7.7#
100 7.9 4.9 7.3#



#80
Benzo(a)anthracene
Concen: 15.536 ng/ul
RT: 21.39 min Scan# 3111
Delta R.T. -0.03 min
Lab File: BM012160.D
Acq: 14 Oct 2017 06:51

Tgt Ion:228 Resp: 1328442
Ion Ratio Lower Upper
228 100
229 20.8 15.4 23.0
226 27.2 21.4 32.0





#82

Chrysene

Concen: 14.580 ng/ul

RT: 21.44 min Scan# 3120

Delta R.T. -0.03 min

Lab File: BM012160.D

Acq: 14 Oct 2017 06:51

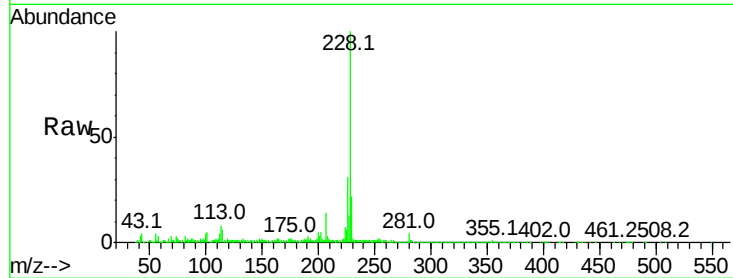
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 1170422

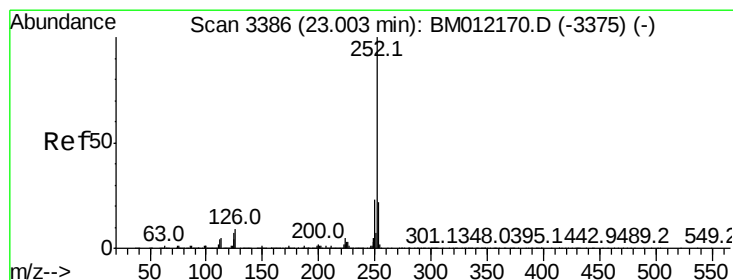
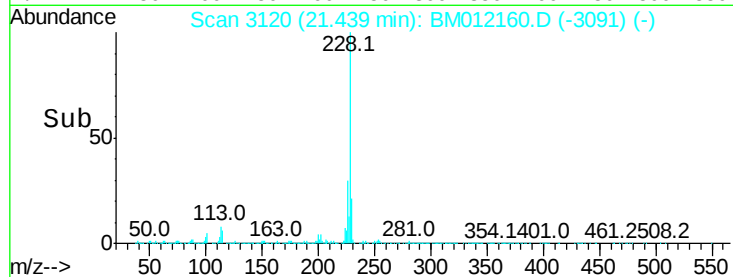
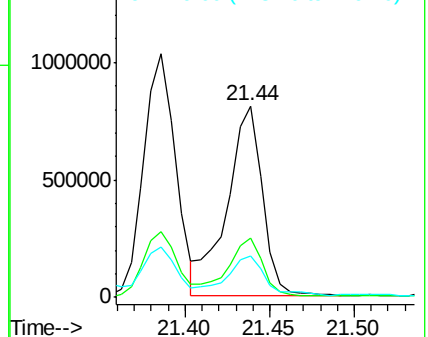
Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.4	35.2
229	21.7	15.5	23.3



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



#85

Benzo(b)fluoranthene

Concen: 19.161 ng/ul

RT: 23.02 min Scan# 3389

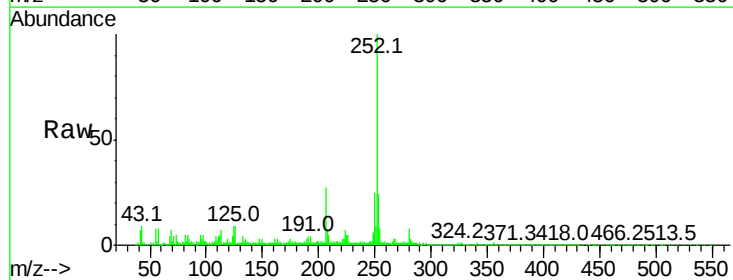
Delta R.T. -0.04 min

Lab File: BM012160.D

Acq: 14 Oct 2017 06:51

Tgt Ion:252 Resp: 1705491

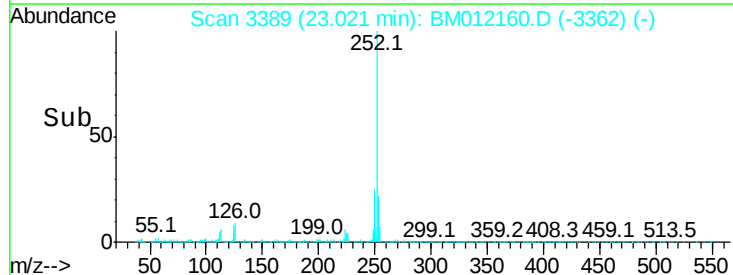
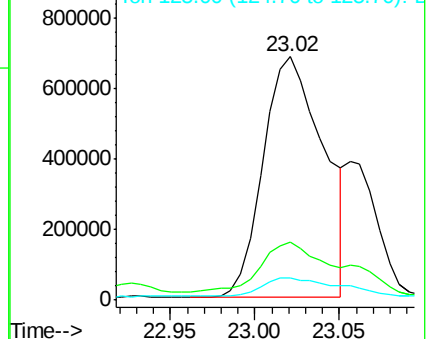
Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	9.1	3.6	5.4

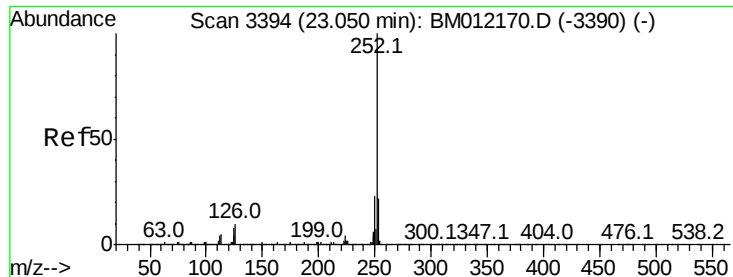


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 19.883 ng/ul

RT: 23.02 min Scan# 3389

Delta R.T. -0.09 min

Lab File: BM012160.D

Acq: 14 Oct 2017 06:51

Instrument :

BNA_M

ClientSampleId :

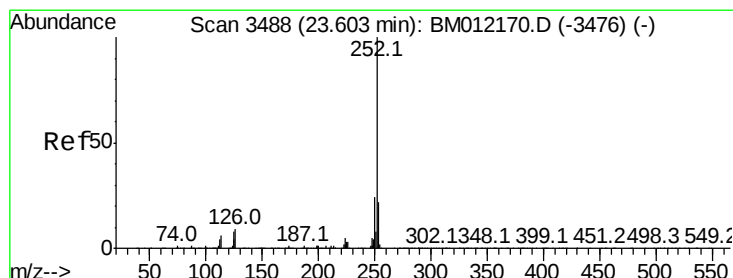
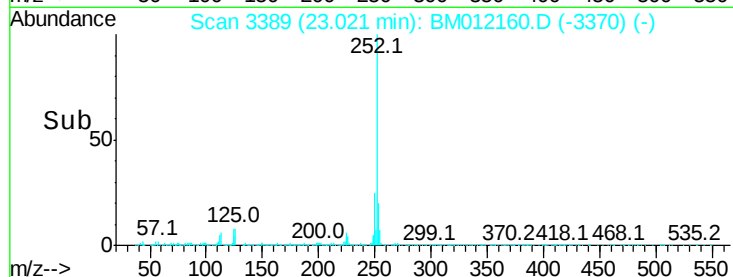
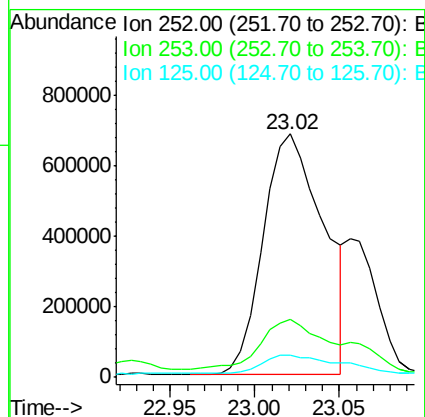
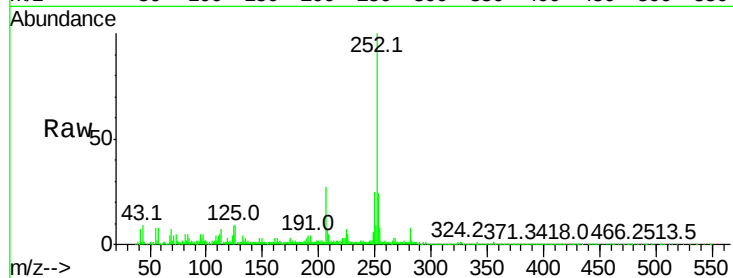
Tot Ion:252 Resp: 1705491

Ion Ratio Lower Upper

252 100

253 23.6 17.1 25.7

125 9.1 3.4 5.2#



#88

Benzo(a)pyrene

Concen: 15.154 ng/ul

RT: 23.62 min Scan# 3491

Delta R.T. -0.05 min

Lab File: BM012160.D

Acq: 14 Oct 2017 06:51

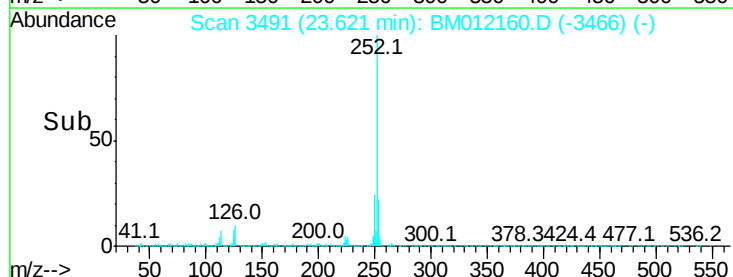
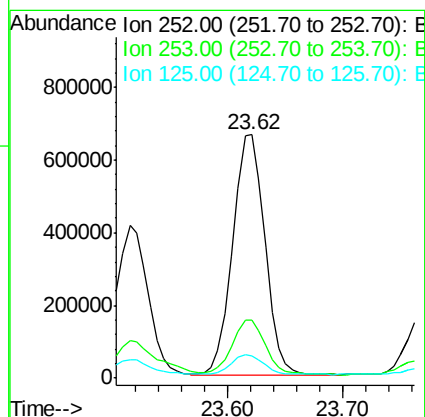
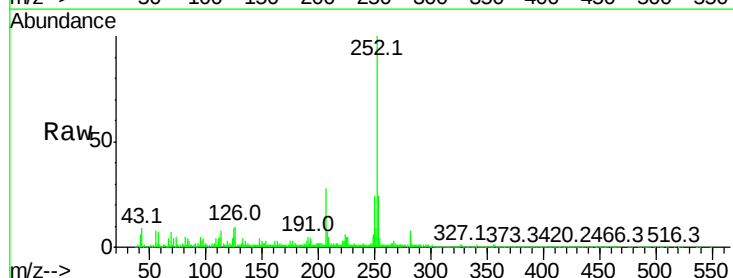
Tgt Ion:252 Resp: 1271303

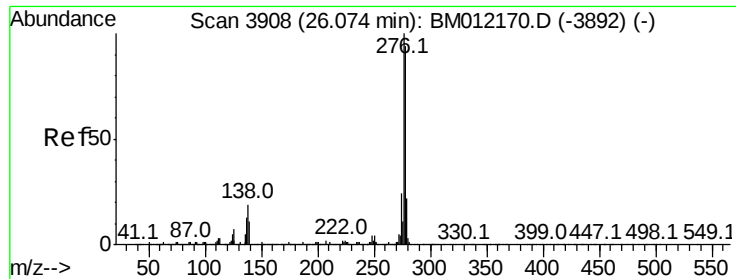
Ion Ratio Lower Upper

252 100

253 24.0 18.2 27.2

125 9.3 4.0 6.0#



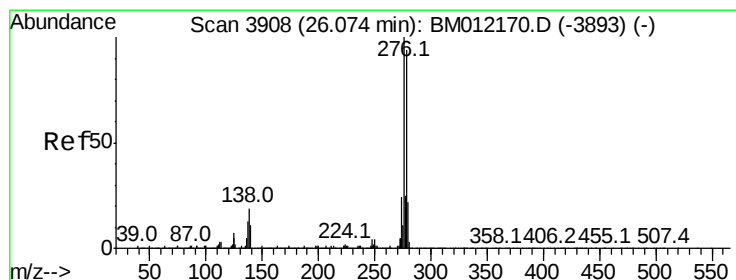
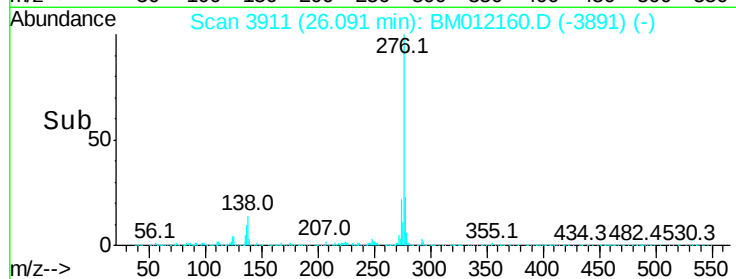
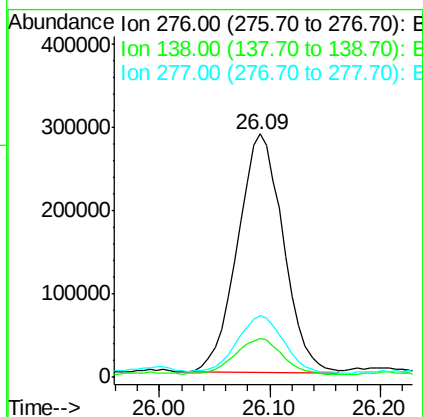
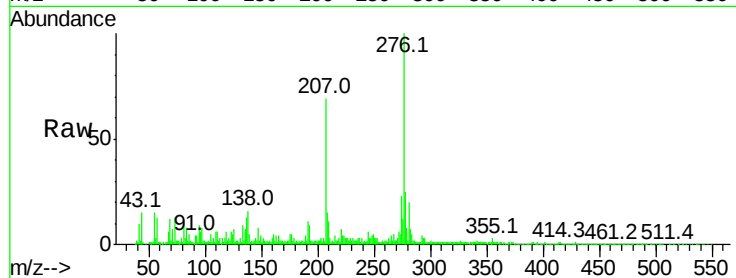


#89

Indeno(1,2,3-cd)pyrene
Concen: 9.314 ng/ul
RT: 26.09 min Scan# 3911
Delta R.T. -0.08 min
Lab File: BM012160.D
Acq: 14 Oct 2017 06:51

Instrument :
BNA_M
ClientSampleId :

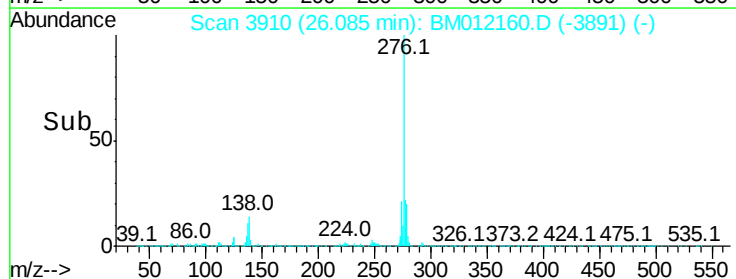
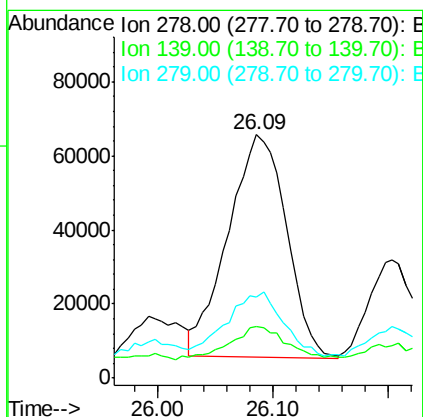
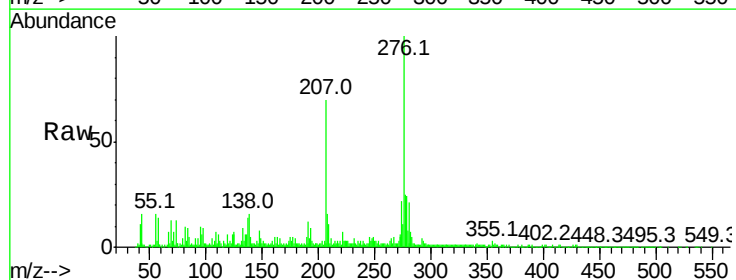
Tot Ion	Ratio	Lower	Upper
276	100		
138	15.8	9.3	13.9#
277	25.4	19.9	29.9

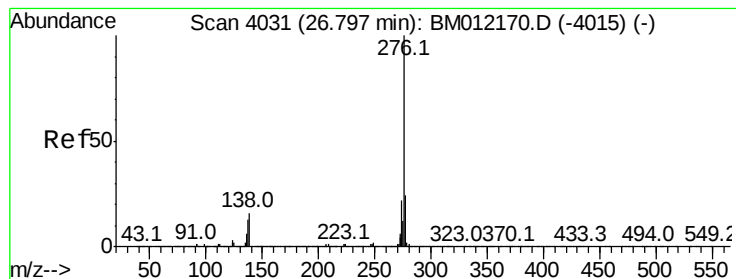


#90

Dibenzo(a,h)anthracene
Concen: 2.812 ng/ul
RT: 26.09 min Scan# 3910
Delta R.T. -0.09 min
Lab File: BM012160.D
Acq: 14 Oct 2017 06:51

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.3	5.8	8.8#
279	33.2	18.6	27.8#





#91

Benzo(a,h,i)perylene

Concen: 8.976 ng/ul

RT: 26.83 min Scan# 4036

Delta R.T. -0.09 min

Lab File: BM012160.D

Acq: 14 Oct 2017 06:51

Instrument :

BNA_M

ClientSampleId :

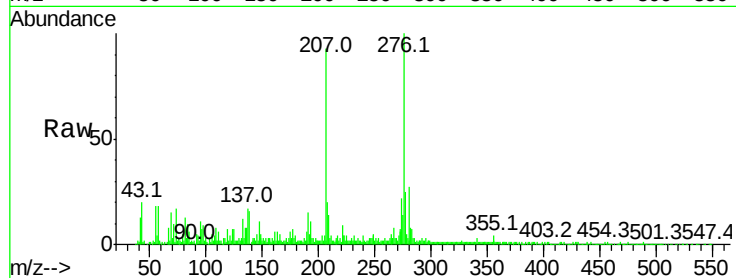
Tot Ion:276 Resp: 654955

Ion Ratio Lower Upper

276 100

138 16.1 8.5 12.7#

277 24.9 18.6 28.0



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

