

Data File : BM026984.D
Acq On : 03 Aug 2020 18:36
Operator : JU/CG
Sample : L3424-07 DL25X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0S82DL

Quant Time: Aug 04 02:36:08 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 03 10:21:18 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	105177	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	413587	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	252199	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.03	188	506242	20.00	ng/ul	0.00
78) Chrysene-d12	21.22	240	477203	20.00	ng/ul	0.00
86) Perylene-d12	23.43	264	473340	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.22	96	268	0.12	ng/uL	0.00
5) Phenol-d5	6.83	99	7856	0.85	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	5492	0.88	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	6311	0.92	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	5947	0.84	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	3085	0.96	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	2788	0.95	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	6061	0.86	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	2633	0.31	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	17698	0.89	ng/ul	0.00
47) Acenaphthylene-d8	13.98	160	22043	0.88	ng/ul	0.00
52) 4-Nitrophenol-d4	14.48	143	1010	0.30	ng/ul	0.00
58) Fluorene-d10	15.29	176	14651	0.85	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.40	200	1358	0.60	ng/ul	0.00
71) Anthracene-d10	17.13	188	24552	0.97	ng/ul	0.00
79) Pyrene-d10	19.43	212	24829	0.98	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.29	264	24278	0.91	ng/ul	0.00

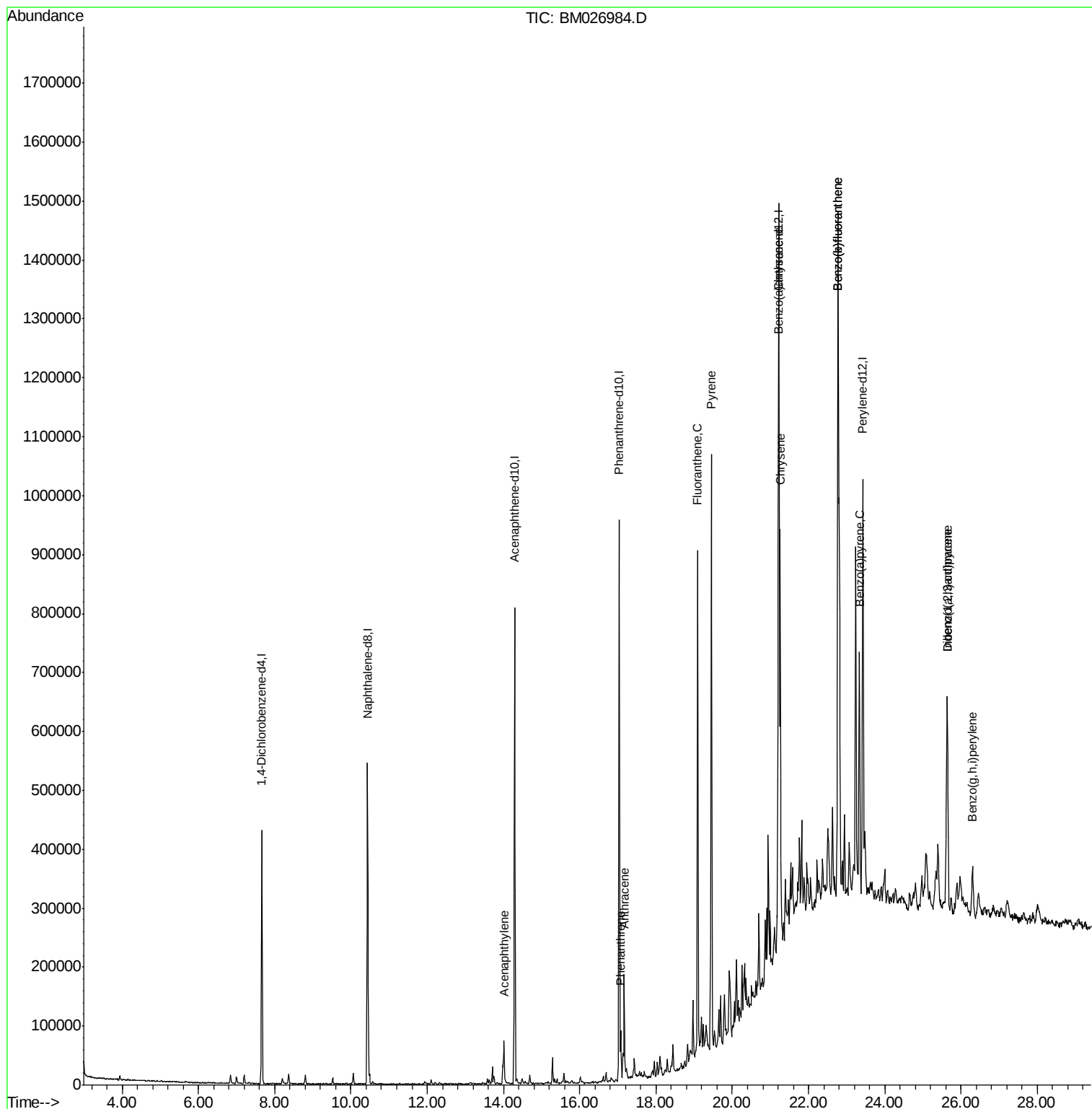
Target Compounds						Qvalue
48) Acenaphthylene	14.01	152	54291	2.123	ng/ul	99
70) Phenanthrene	17.07	178	44579	1.451	ng/ul	98
72) Anthracene	17.17	178	120834	3.826	ng/ul	97
77) Fluoranthene	19.09	202	451145	12.434	ng/ul	98
80) Pyrene	19.46	202	572611	16.493	ng/ul	98
83) Benzo(a)anthracene	21.20	228	283801	8.628	ng/ul	96
85) Chrysene	21.26	228	422226	13.164	ng/ul	97
88) Benzo(b)fluoranthene	22.77	252	1011010	29.858	ng/ul	98
89) Benzo(k)fluoranthene	22.77	252	1011010	31.115	ng/ul	98
91) Benzo(a)pyrene	23.33	252	282342	9.241	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.63	276	334444	8.823	ng/ul	96
93) Dibenzo(a,h)anthracene	25.63	278	85399	2.664	ng/ul#	88
94) Benzo(g,h,i)perylene	26.30	276	93532	2.984	ng/ul	99

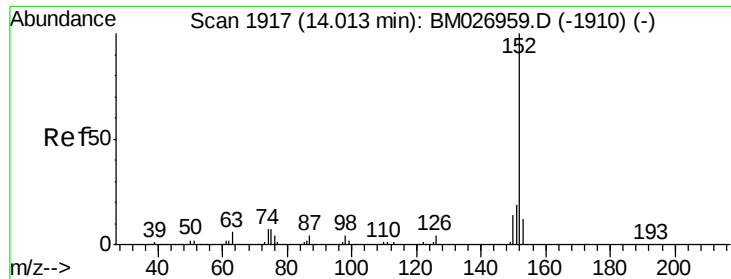
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#48

Acenaphthylene

Concen: 2.123 ng/ul

RT: 14.01 min Scan# 1874

Delta R.T. -0.00 min

Lab File: BM026984.D

Acq: 03 Aug 2020 18:36

Instrument :

BNA_M

ClientSampleId :

C0S82DL

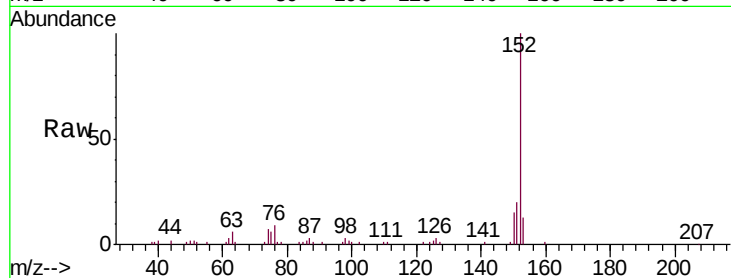
Tgt Ion:152 Resp: 54291

Ion Ratio Lower Upper

152 100

151 20.3 15.8 23.6

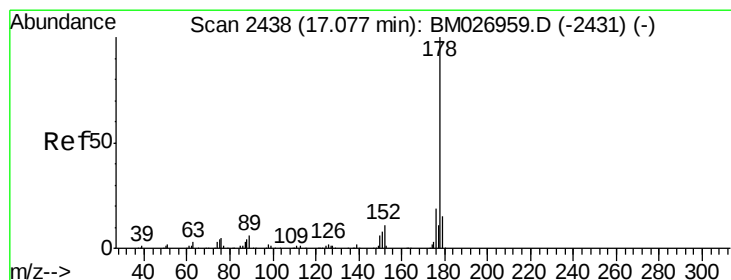
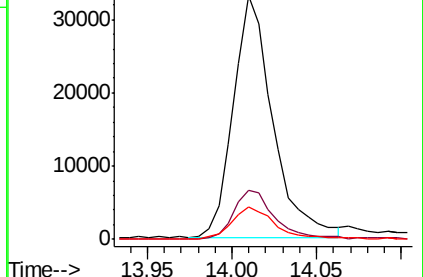
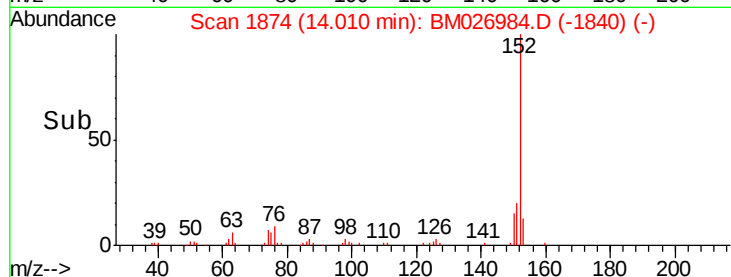
153 13.4 10.7 16.1



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



#70

Phenanthrene

Concen: 1.451 ng/ul

RT: 17.07 min Scan# 2395

Delta R.T. -0.00 min

Lab File: BM026984.D

Acq: 03 Aug 2020 18:36

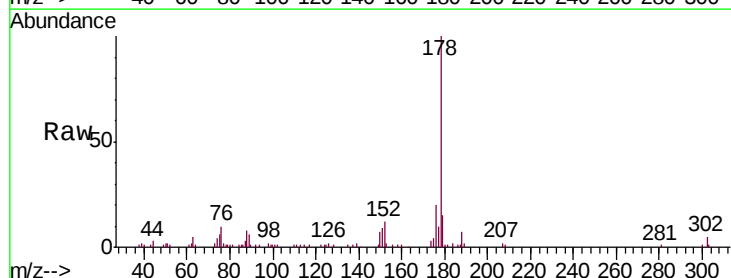
Tgt Ion:178 Resp: 44579

Ion Ratio Lower Upper

178 100

179 15.1 12.0 18.0

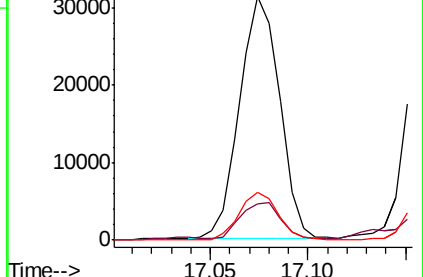
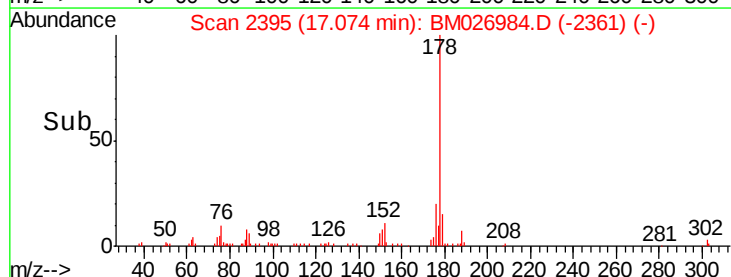
176 19.6 14.7 22.1

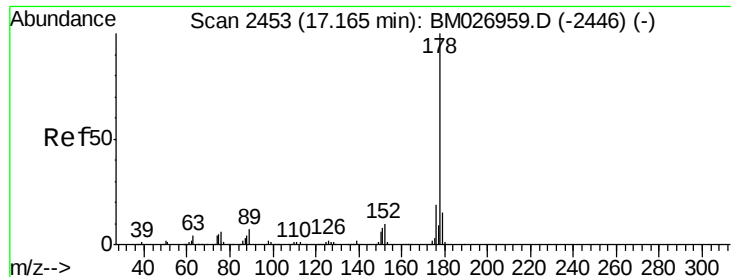


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

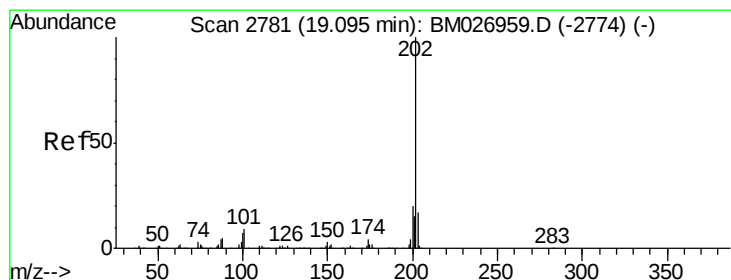
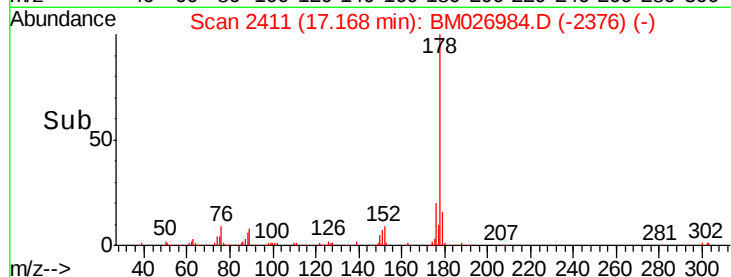
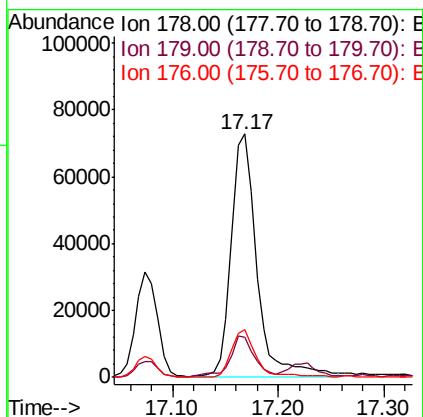
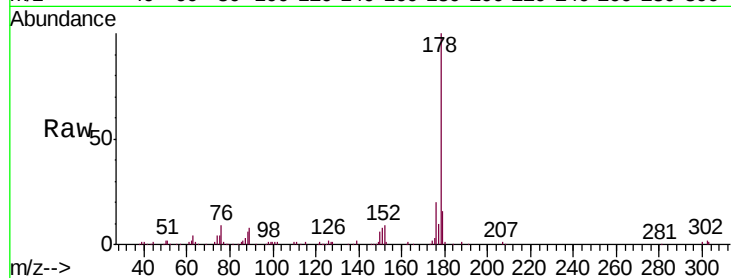




#72
 Anthracene
 Concen: 3.826 ng/ul
 RT: 17.17 min Scan# 2411
 Delta R.T. 0.00 min
 Lab File: BM026984.D
 Acq: 03 Aug 2020 18:36

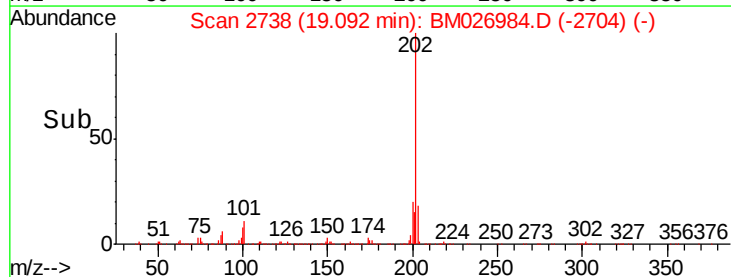
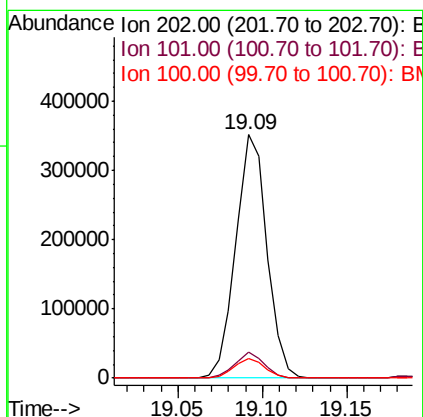
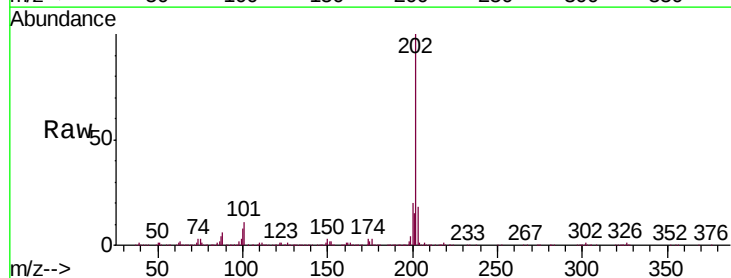
Instrument :
 BNA_M
 ClientSampleId :
 C0S82DL

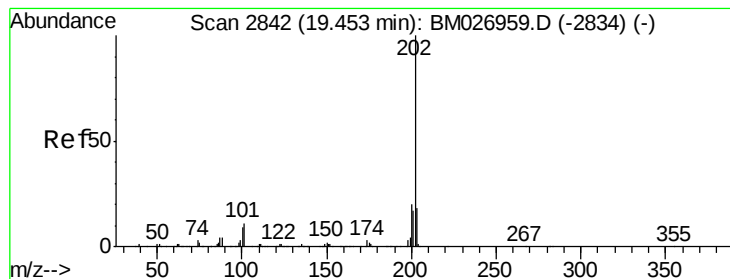
Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.3	11.8	17.6
176	19.6	15.0	22.6



#77
 Fluoranthene
 Concen: 12.434 ng/ul
 RT: 19.09 min Scan# 2738
 Delta R.T. -0.00 min
 Lab File: BM026984.D
 Acq: 03 Aug 2020 18:36

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	7.7	11.5
100	8.1	6.2	9.4





#80

Pyrene

Concen: 16.493 ng/ul

RT: 19.46 min Scan# 2800

Delta R.T. -0.00 min

Lab File: BM026984.D

Acq: 03 Aug 2020 18:36

Instrument :

BNA_M

ClientSampleId :

C0S82DL

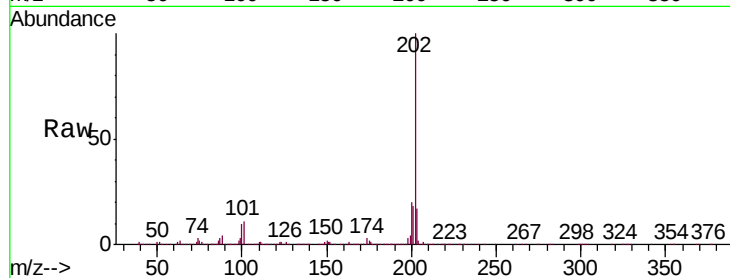
Tgt Ion:202 Resp: 572611

Ion Ratio Lower Upper

202 100

101 11.2 9.4 14.2

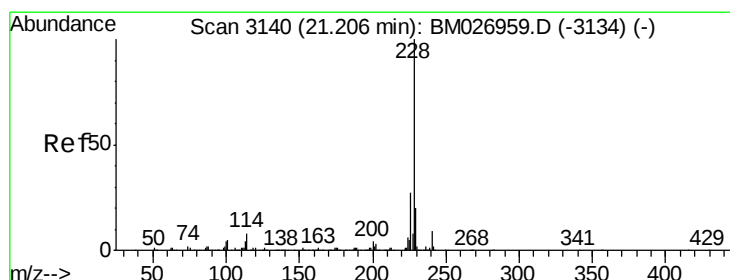
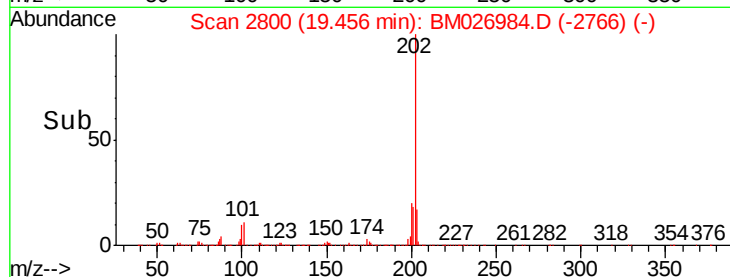
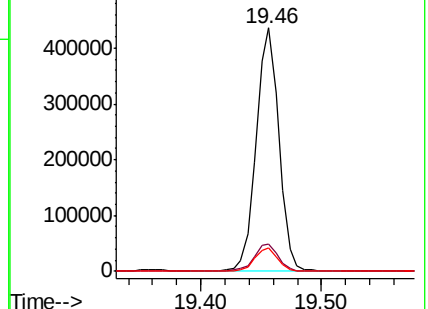
100 9.5 8.2 12.4



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: 8.628 ng/ul

RT: 21.20 min Scan# 3097

Delta R.T. -0.00 min

Lab File: BM026984.D

Acq: 03 Aug 2020 18:36

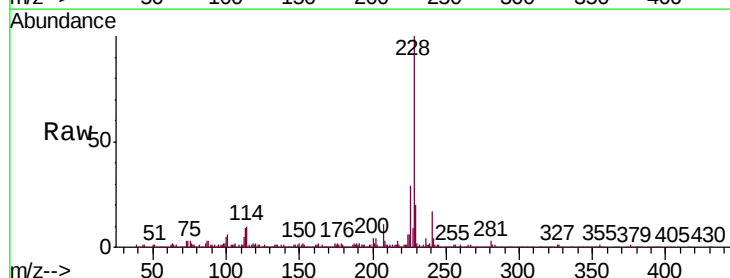
Tgt Ion:228 Resp: 283801

Ion Ratio Lower Upper

228 100

229 20.4 15.4 23.2

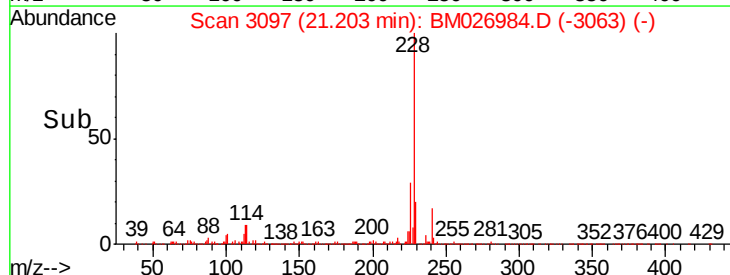
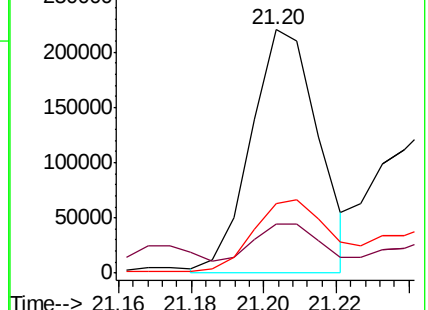
226 28.8 20.9 31.3

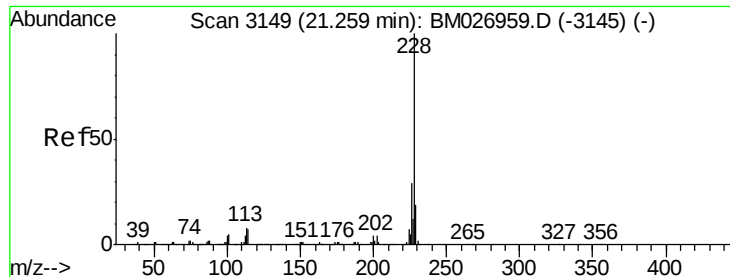


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#85

Chrysene

Concen: 13.164 ng/ul

RT: 21.26 min Scan# 3106

Delta R.T. -0.00 min

Lab File: BM026984.D

Acq: 03 Aug 2020 18:36

Instrument :

BNA_M

ClientSampleId :

C0S82DL

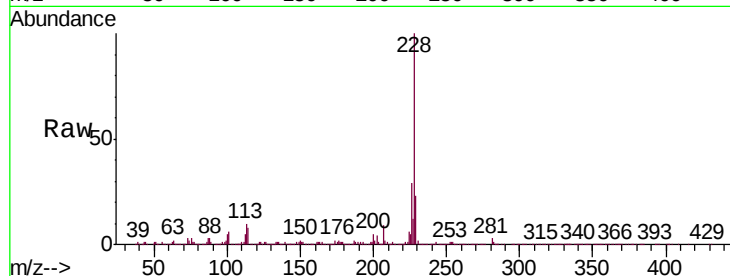
Tgt Ion:228 Resp: 422226

Ion Ratio Lower Upper

228 100

226 29.1 23.2 34.8

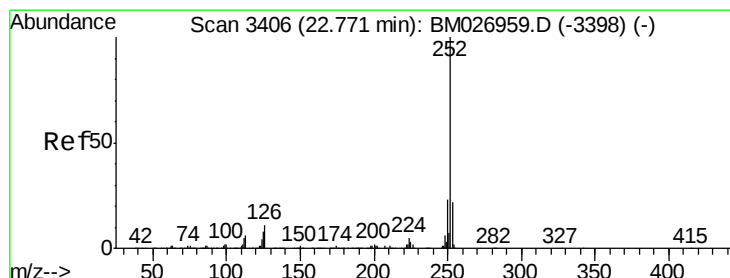
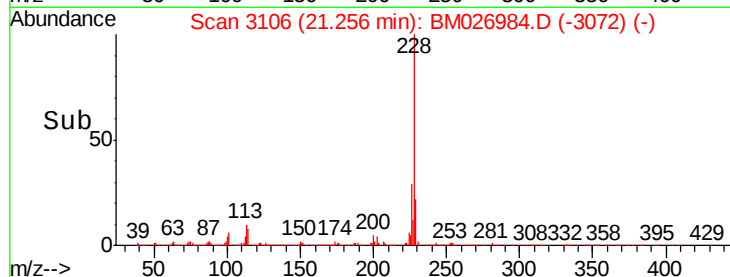
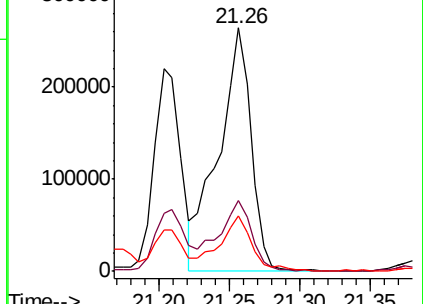
229 22.6 15.5 23.3



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



#88

Benzo(b)fluoranthene

Concen: 29.858 ng/ul

RT: 22.77 min Scan# 3364

Delta R.T. 0.00 min

Lab File: BM026984.D

Acq: 03 Aug 2020 18:36

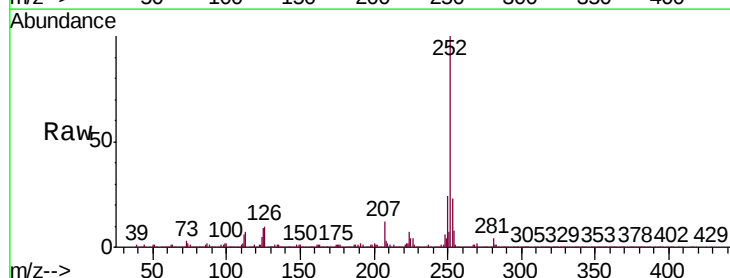
Tgt Ion:252 Resp: 1011010

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

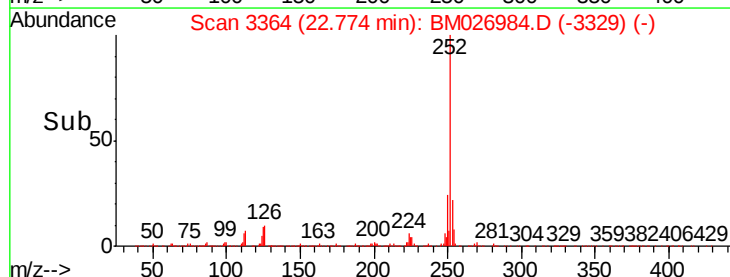
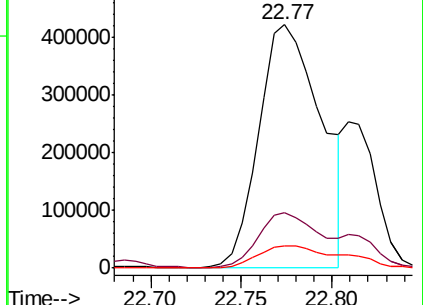
125 9.3 6.6 10.0

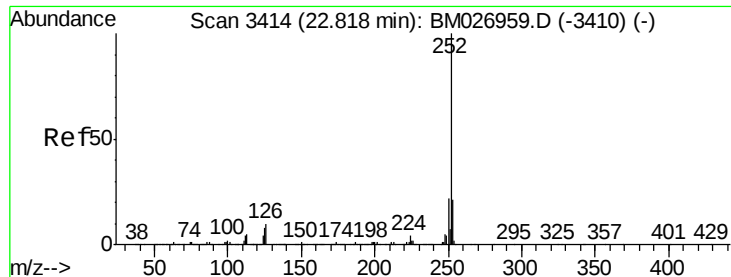


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 31.115 ng/ul

RT: 22.77 min Scan# 3364

Delta R.T. -0.04 min

Lab File: BM026984.D

Acq: 03 Aug 2020 18:36

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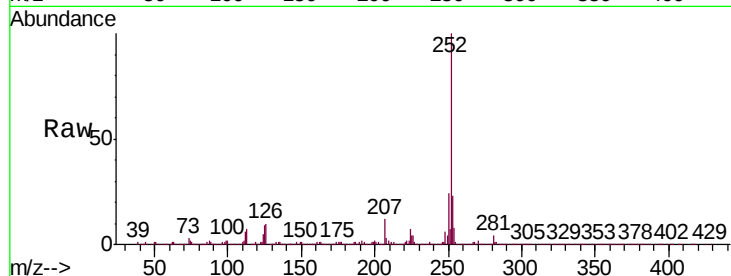
Tgt Ion:252 Resp: 1011010

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.2

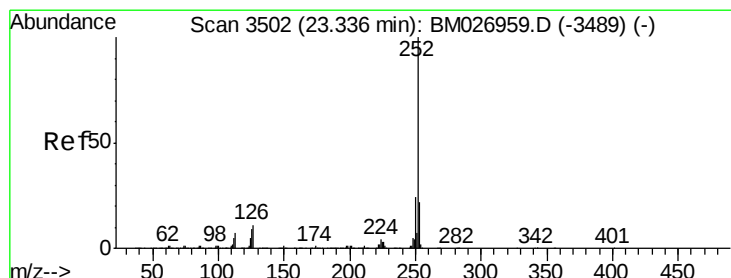
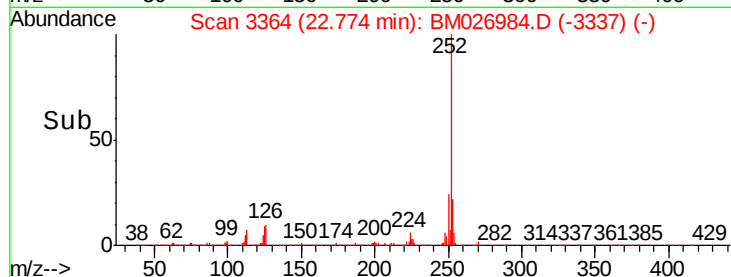
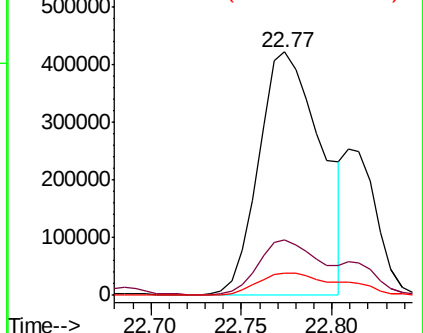
125 9.3 7.3 10.9



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: 9.241 ng/ul

RT: 23.33 min Scan# 3459

Delta R.T. -0.00 min

Lab File: BM026984.D

Acq: 03 Aug 2020 18:36

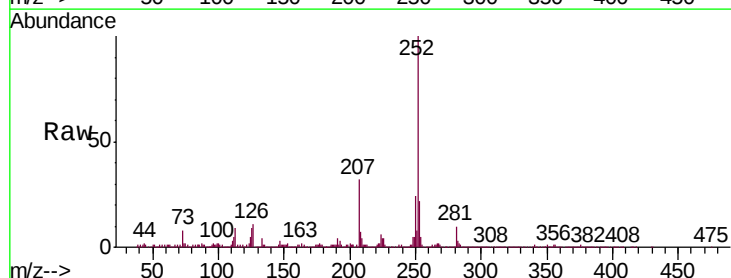
Tgt Ion:252 Resp: 282342

Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

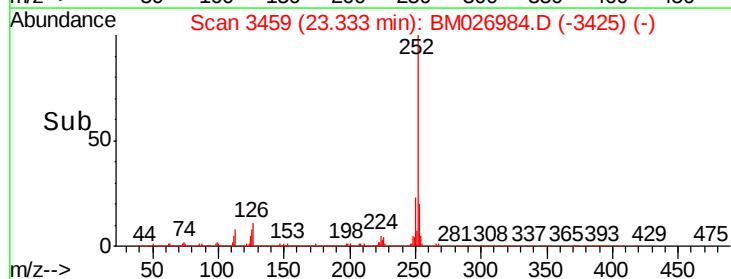
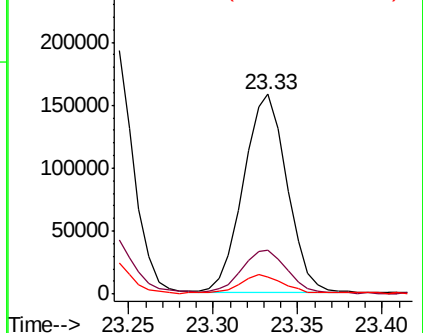
125 8.7 8.2 12.2

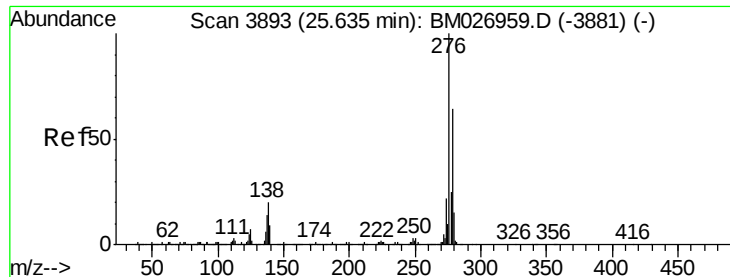


Abundance Ion 252.00 (251.70 to 252.70): E

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: 8.823 ng/ul

RT: 25.63 min Scan# 3850

Delta R.T. -0.00 min

Lab File: BM026984.D

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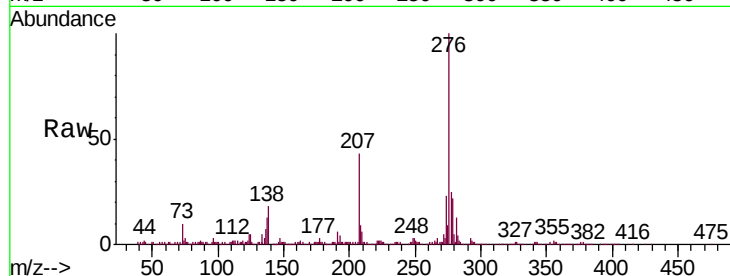
Tgt Ion:276 Resp: 334444

Ion Ratio Lower Upper

276 100

138 17.7 17.0 25.4

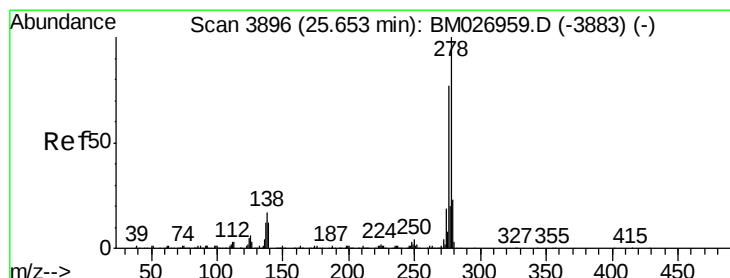
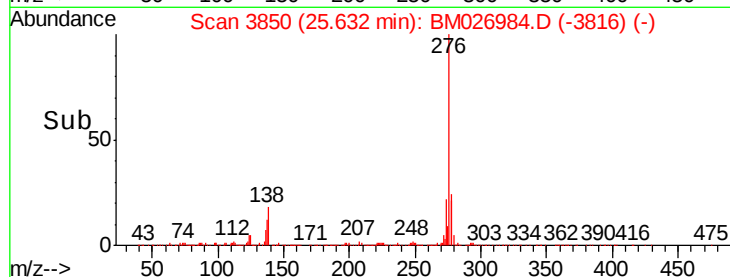
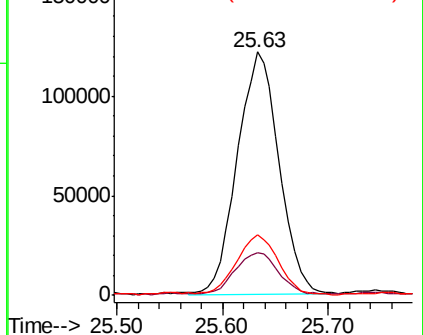
277 24.7 20.6 30.8



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



#93

Dibenzo(a,h)anthracene

Concen: 2.664 ng/ul

RT: 25.63 min Scan# 3850

Delta R.T. -0.02 min

Lab File: BM026984.D

Acq: 03 Aug 2020 18:36

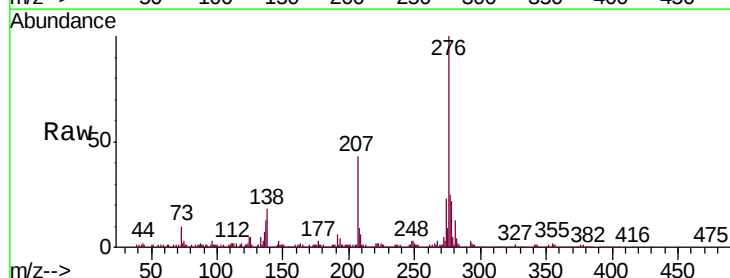
Tgt Ion:278 Resp: 85399

Ion Ratio Lower Upper

278 100

139 0.0 10.9 16.3#

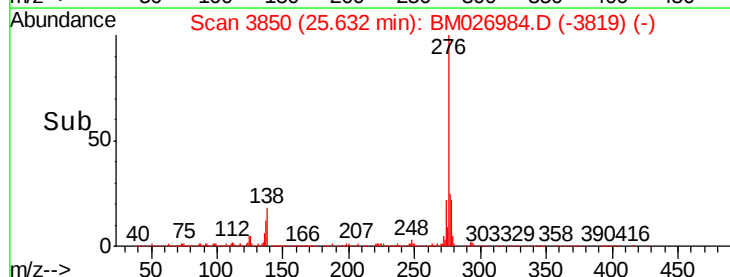
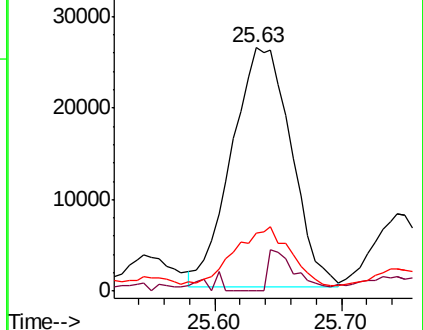
279 24.1 19.4 29.2

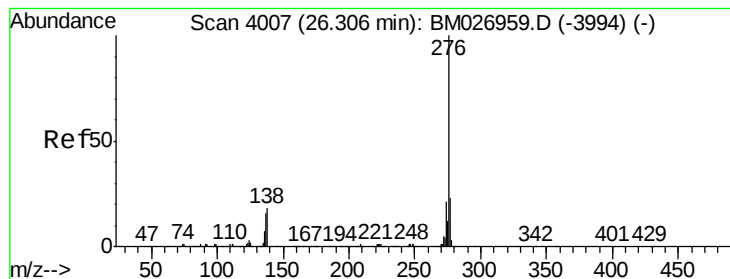


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#94

Benzo(g,h,i)perylene

Concen: 2.984 ng/ul

RT: 26.30 min Scan# 3964

Delta R.T. -0.01 min

Lab File: BM026984.D

Acq: 03 Aug 2020 18:36

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BNA_M

ClientSampleId :

C0S82DL

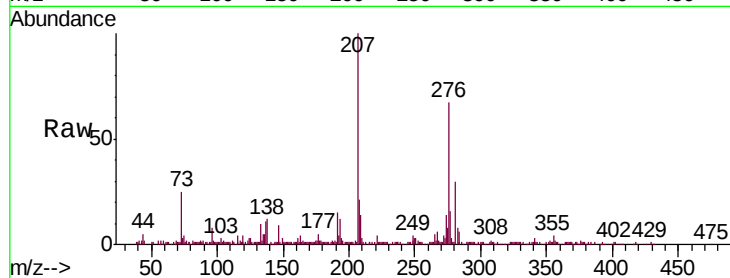
Tgt Ion: 276 Resp: 93532

Ion Ratio Lower Upper

276 100

138 17.5 14.9 22.3

277 24.2 19.1 28.7



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

