

Data File : BN010054.D
Acq On : 02 Mar 2020 23:38
Operator : CG/JU
Sample : L1615-08DL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DBDN2DL

Quant Time: Mar 03 01:09:44 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Mar 03 01:05:31 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	71819	20.00	ng/ul	0.00
18) Naphthalene-d8	10.12	136	317887	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.01	164	209188	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.77	188	438872	20.00	ng/ul	0.00
78) Chrysene-d12	20.99	240	414773	20.00	ng/ul	0.00
86) Perylene-d12	23.07	264	437247	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	3.03	96	416	0.24	ng/uL	0.02
5) Phenol-d5	6.60	99	3459	0.57	ng/ul	0.03
7) Bis-(2-Chloroethyl)ether-d	6.75	67	7099	1.68	ng/ul	0.02
9) 2-Chlorophenol-d4	6.93	132	8123	1.77	ng/ul	0.02
13) 4-Methylphenol-d8	8.12	113	5214	1.07	ng/ul	0.04
19) Nitrobenzene-d5	8.54	128	3021	1.30	ng/ul	0.03
22) 2-Nitrophenol-d4	9.25	143	1412	0.55	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	9.83	165	3175	0.65	ng/ul	0.08
29) 4-Chloroaniline-d4	10.35	131	1432	0.26	ng/ul	0.08
44) Dimethylphthalate-d6	13.45	166	33361	2.14	ng/ul	0.02
47) Acenaphthylene-d8	13.70	160	34512	1.88	ng/ul	0.00
52) 4-Nitrophenol-d4	14.36	143	1413	0.50	ng/ul	0.09
58) Fluorene-d10	15.02	176	28789	2.13	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.20	200	490	0.18	ng/ul	0.02
71) Anthracene-d10	16.87	188	46398	2.31	ng/ul	0.00
79) Pyrene-d10	19.17	212	50662	2.34	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.94	264	52015	2.38	ng/ul	0.00

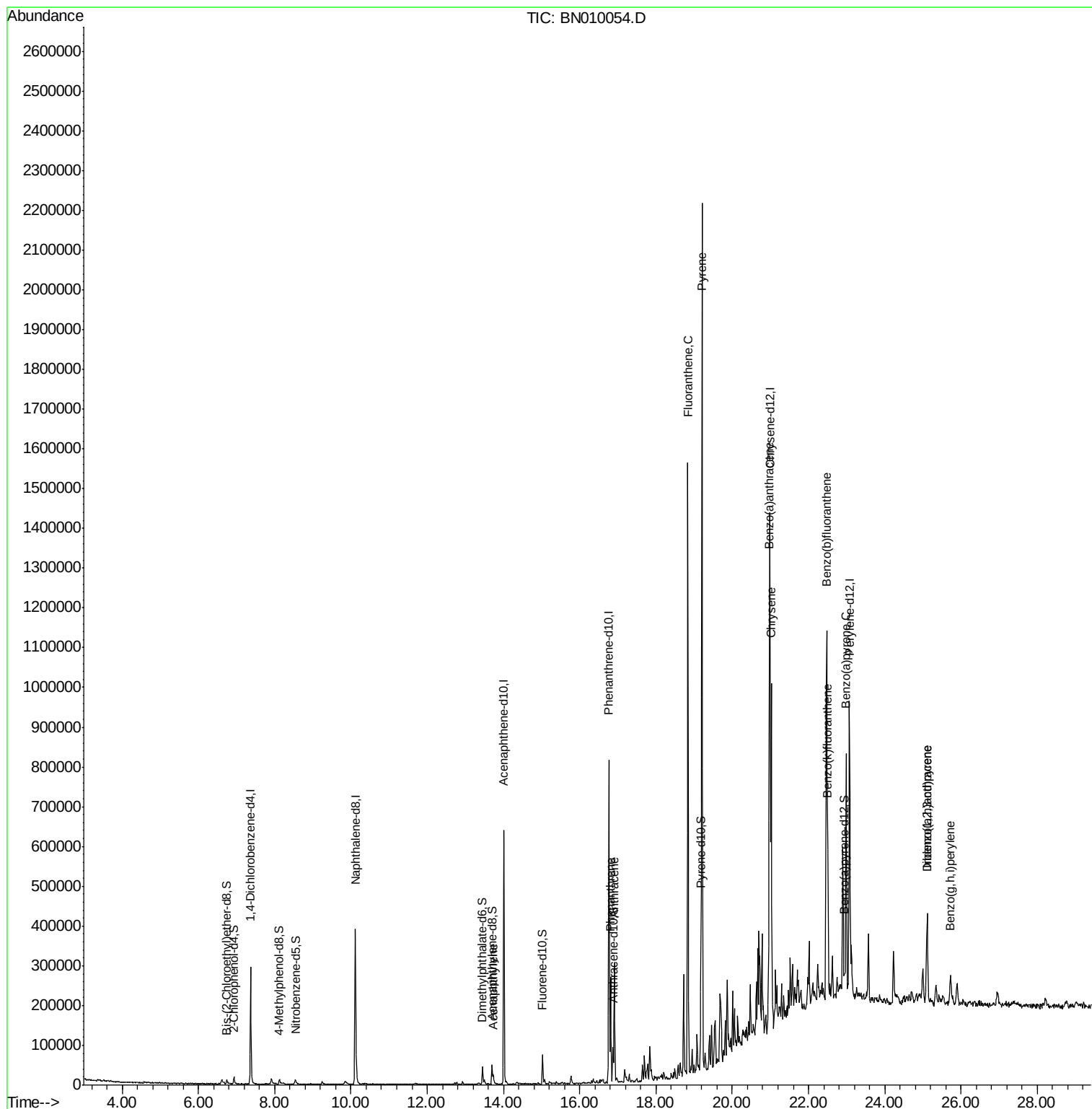
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
48) Acenaphthylene	13.73	152	21330	1.071	ng/ul	97
70) Phenanthrene	16.81	178	147548	5.891	ng/ul	98
72) Anthracene	16.90	178	184794	7.217	ng/ul	99
77) Fluoranthene	18.84	202	834186	28.433	ng/ul	98
80) Pyrene	19.20	202	1164377	38.938	ng/ul	98
83) Benzo(a)anthracene	20.97	228	370878	13.012	ng/ul	95
85) Chrysene	21.02	228	501640	17.877	ng/ul	99
88) Benzo(b)fluoranthene	22.47	252	550564	19.421	ng/ul	97
89) Benzo(k)fluoranthene	22.50	252	190895	7.111	ng/ul	98
91) Benzo(a)pyrene	22.99	252	264218	10.362	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.12	276	115081	3.802	ng/ul	99
93) Dibenzo(a,h)anthracene	25.10	278	30993	1.197	ng/ul#	89
94) Benzo(g,h,i)perylene	25.73	276	66159	2.606	ng/ul	98

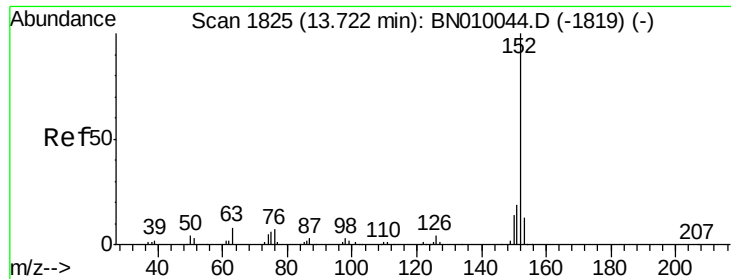
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#48

Acenaphthylene

Concen: 1.071 ng/ul

RT: 13.73 min Scan# 1827

Delta R.T. 0.01 min

Lab File: BN010054.D

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Instrument :

BNA_N

ClientSampleId :

DBDN2DL

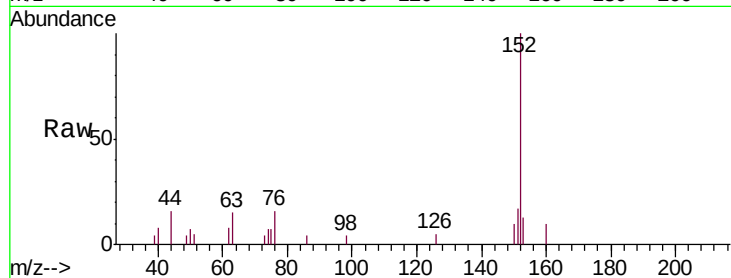
Tgt Ion:152 Resp: 21330

Ion Ratio Lower Upper

152 100

151 17.2 15.7 23.5

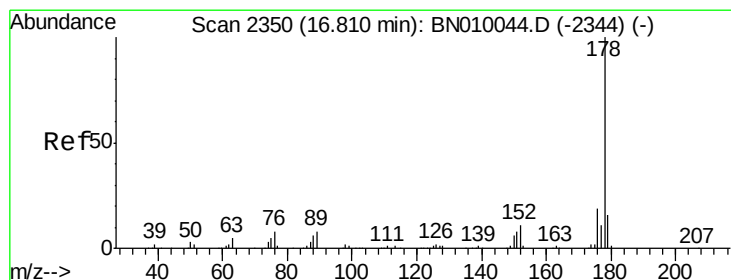
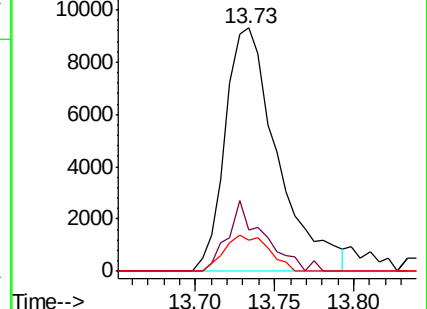
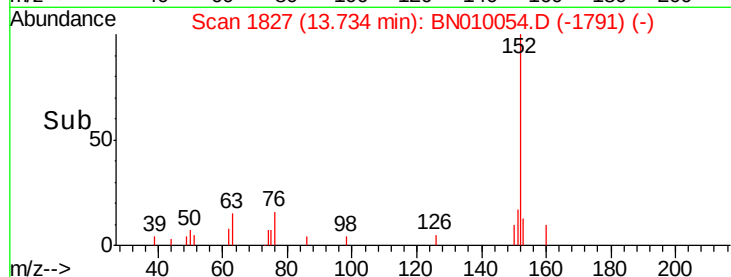
153 12.8 10.3 15.5



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



#70

Phenanthrene

Concen: 5.891 ng/ul

RT: 16.81 min Scan# 2350

Delta R.T. 0.00 min

Lab File: BN010054.D

Acq: 02 Mar 2020 23:38

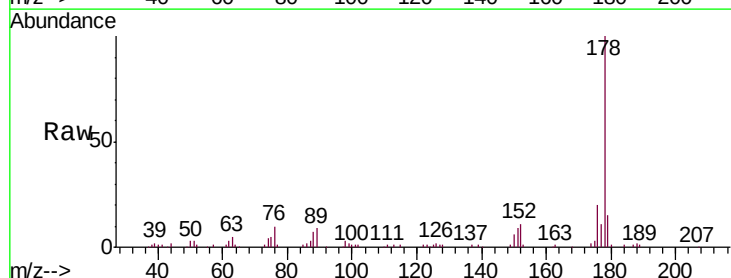
Tgt Ion:178 Resp: 147548

Ion Ratio Lower Upper

178 100

179 15.5 12.5 18.7

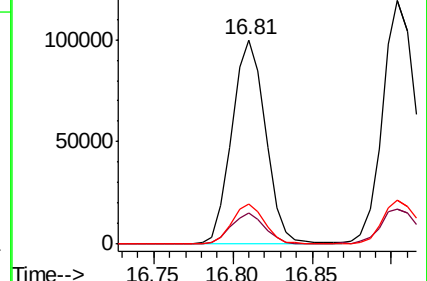
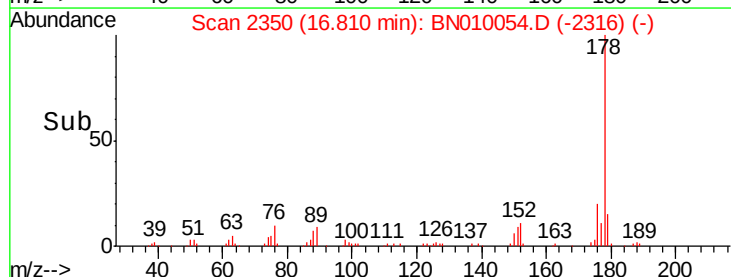
176 19.7 14.6 22.0

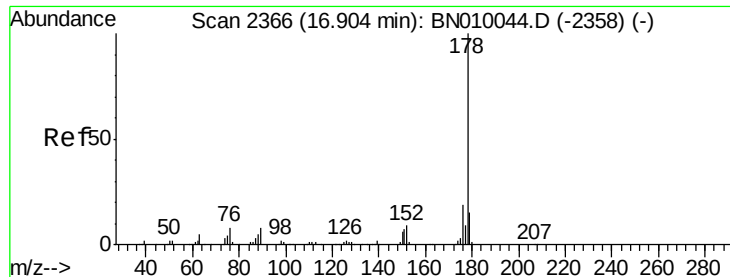


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 7.217 ng/ul

RT: 16.90 min Scan# 2366

Delta R.T. 0.00 min

Lab File: BN010054.D

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Instrument :

BNA_N

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DBDN2DL

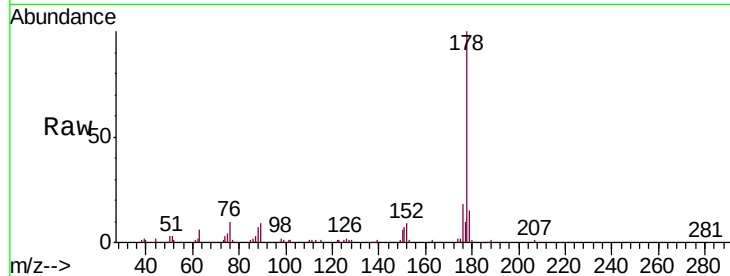
Tgt Ion:178 Resp: 184794

Ion Ratio Lower Upper

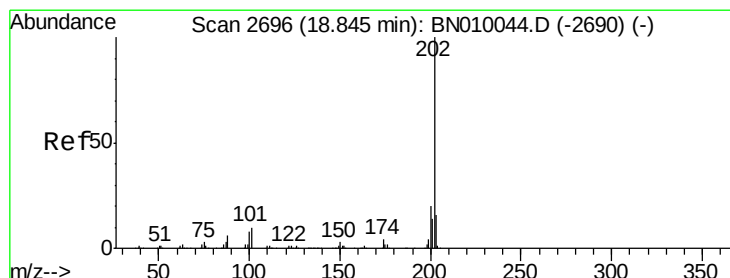
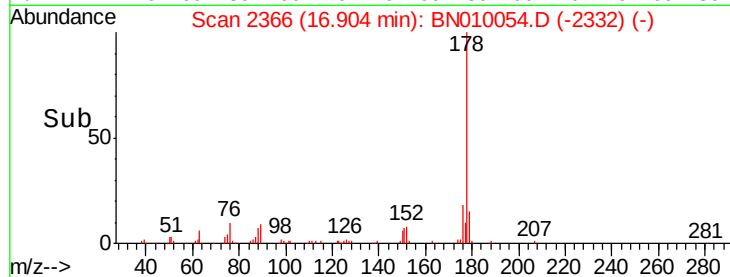
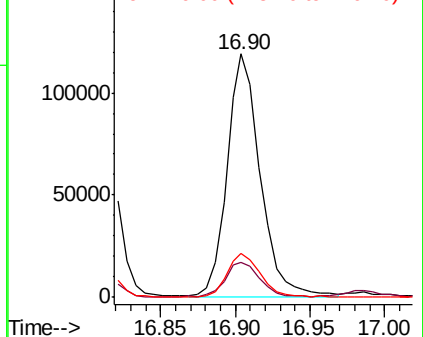
178 100

179 14.5 12.2 18.2

176 18.2 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



#77

Fluoranthene

Concen: 28.433 ng/ul

RT: 18.84 min Scan# 2695

Delta R.T. -0.01 min

Lab File: BN010054.D

Acq: 02 Mar 2020 23:38

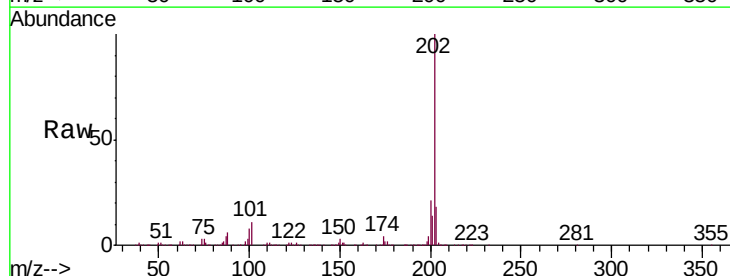
Tgt Ion:202 Resp: 834186

Ion Ratio Lower Upper

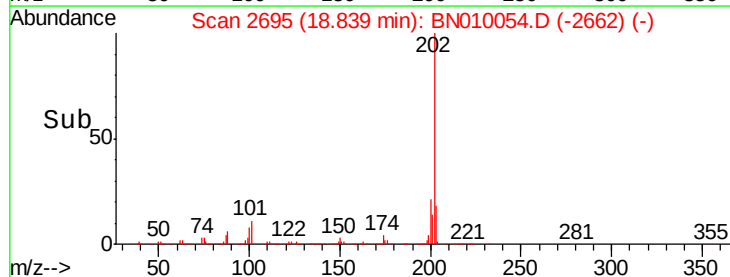
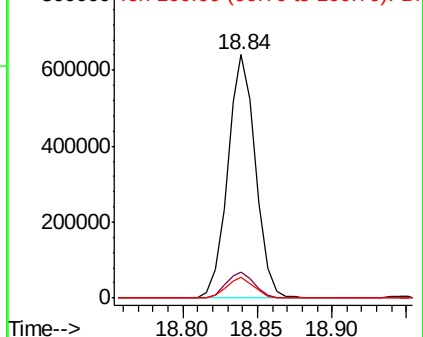
202 100

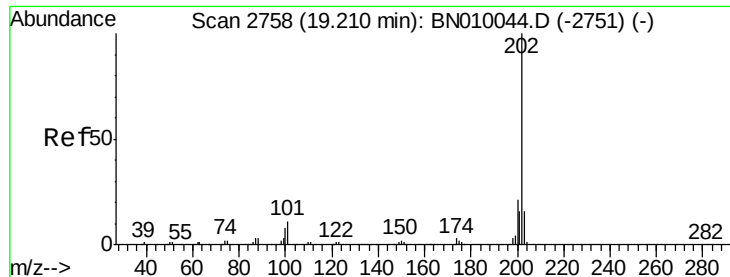
101 10.6 9.4 14.2

100 8.4 7.2 10.8



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

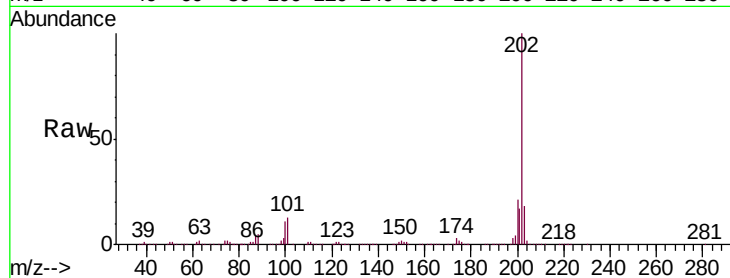




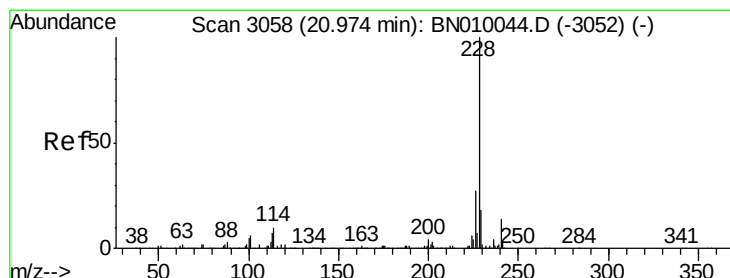
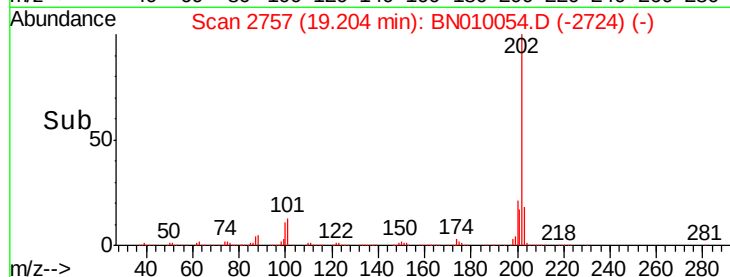
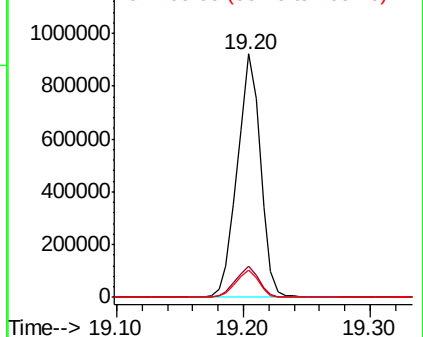
#80
 Pyrene
 Concen: 38.938 ng/ul
 RT: 19.20 min Scan# 2757
 Delta R.T. -0.01 min
 Lab File: BN010054.D
 Acq: 02 Mar 2020 23:38

Instrument :
 BNA_N
 ClientSampleId :
 DBDN2DL

Tgt Ion:202 Resp: 1164377
 Ion Ratio Lower Upper
 202 100
 101 12.8 11.3 16.9
 100 11.3 9.0 13.6

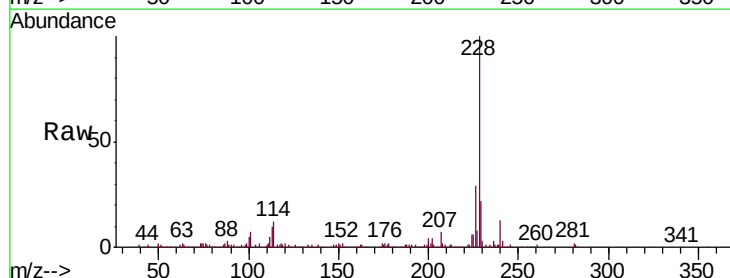


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

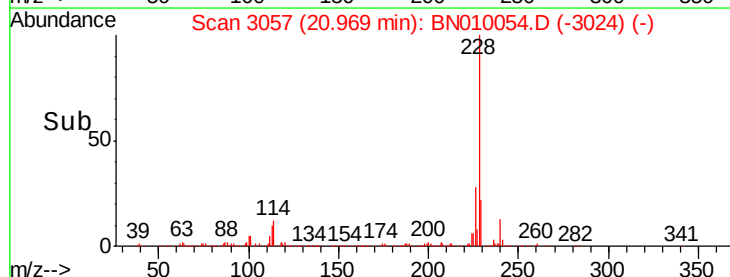
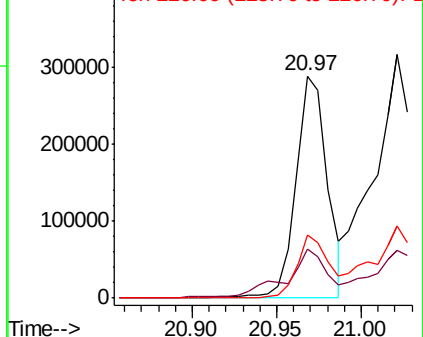


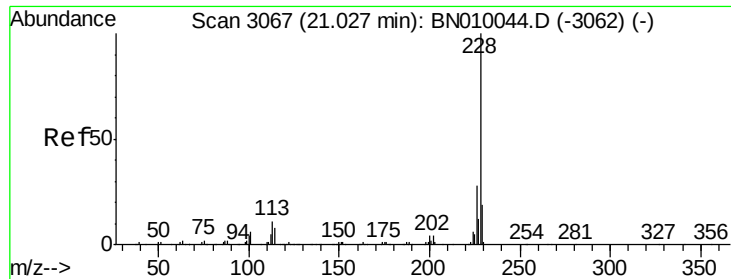
#83
 Benzo(a)anthracene
 Concen: 13.012 ng/ul
 RT: 20.97 min Scan# 3057
 Delta R.T. -0.01 min
 Lab File: BN010054.D
 Acq: 02 Mar 2020 23:38

Tgt Ion:228 Resp: 370878
 Ion Ratio Lower Upper
 228 100
 229 22.1 15.0 22.4
 226 28.6 21.4 32.2



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: 17.877 ng/ul

RT: 21.02 min Scan# 3066

Delta R.T. -0.01 min

Lab File: BN010054.D

Acq: 02 Mar 2020 23:38

Instrument :

BNA_N

ClientSampleId :

DBDN2DL

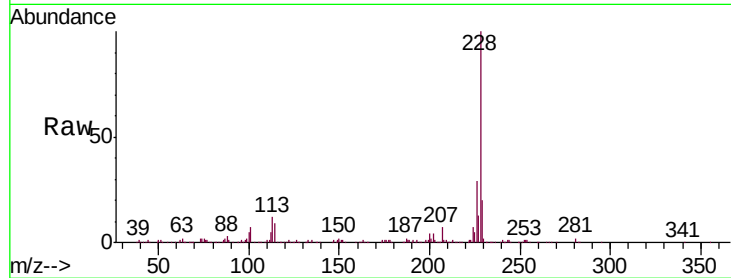
Tgt Ion:228 Resp: 501640

Ion Ratio Lower Upper

228 100

226 29.4 23.4 35.2

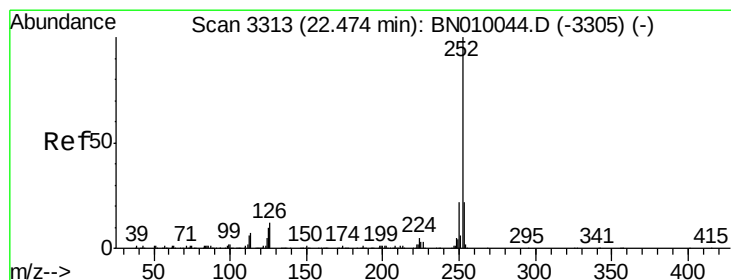
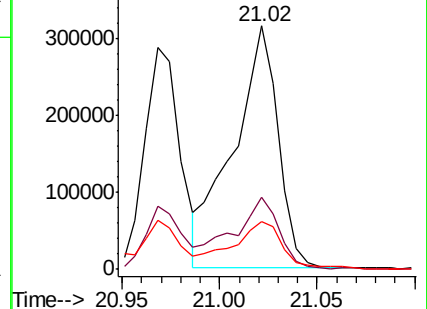
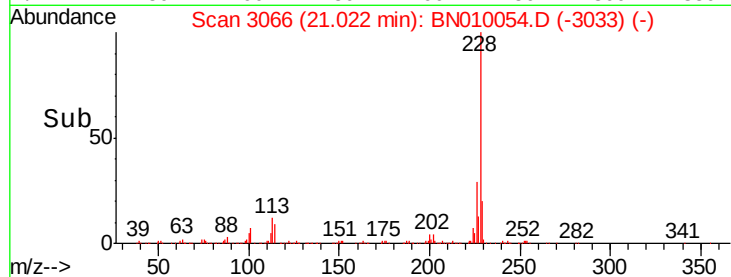
229 19.9 15.0 22.4



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: 19.421 ng/ul

RT: 22.47 min Scan# 3312

Delta R.T. -0.01 min

Lab File: BN010054.D

Acq: 02 Mar 2020 23:38

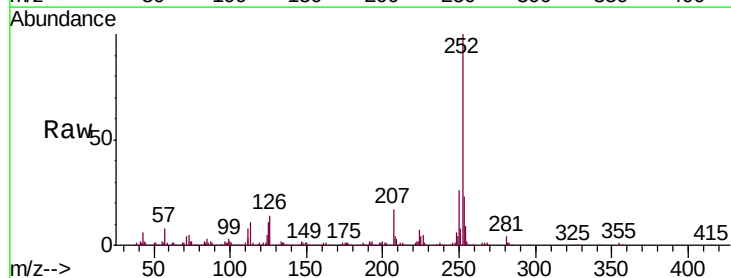
Tgt Ion:252 Resp: 550564

Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.4

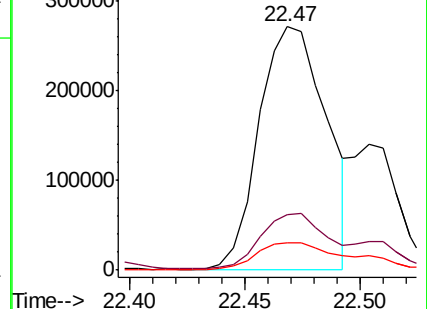
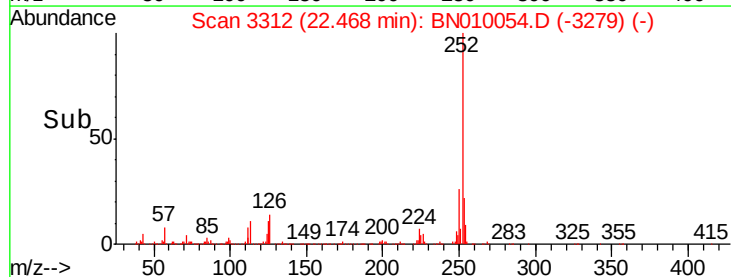
125 11.3 8.0 12.0

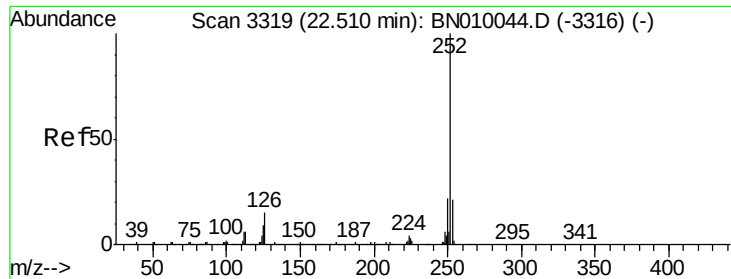


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 7.111 ng/ul

RT: 22.50 min Scan# 3318

Delta R.T. -0.01 min

Lab File: BN010054.D

Acq: 02 Mar 2020 23:38

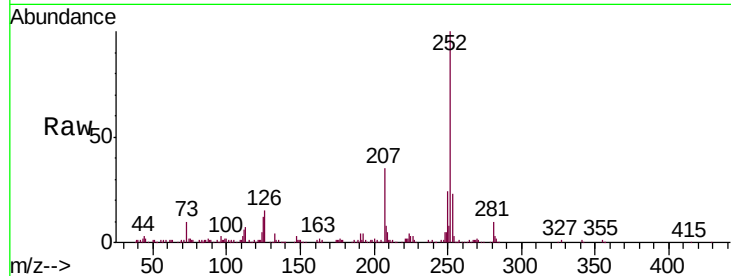
Instrument :

BNA_N

ClientSampleId :

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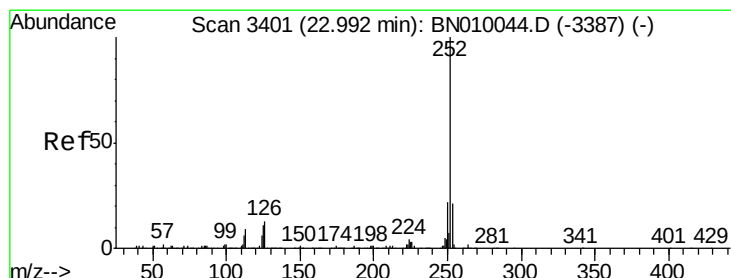
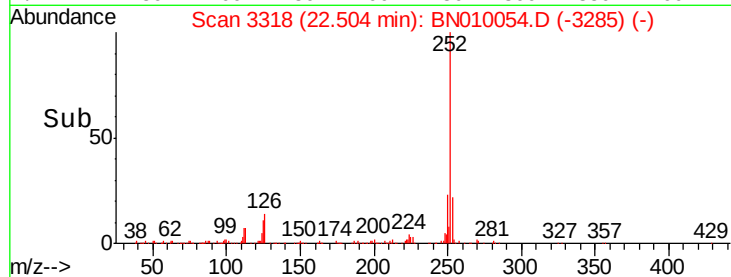
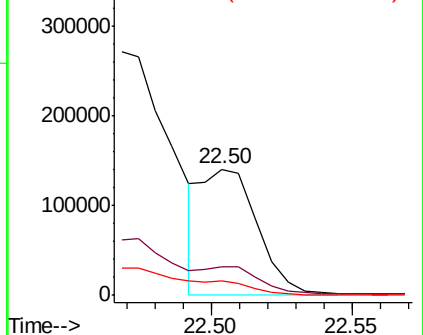
Tgt Ion:	252	Resp:	190895
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.0	27.0
125	11.5	8.2	12.2



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



#91

Benzo(a)pyrene

Concen: 10.362 ng/ul

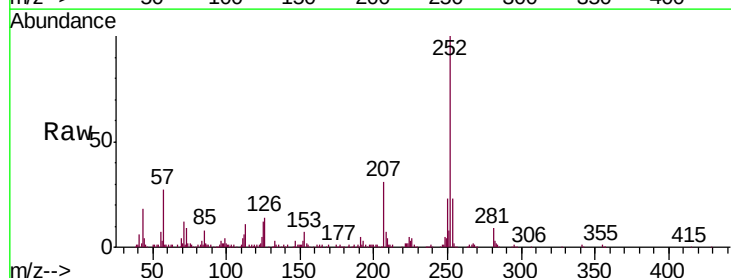
RT: 22.99 min Scan# 3400

Delta R.T. -0.01 min

Lab File: BN010054.D

Acq: 02 Mar 2020 23:38

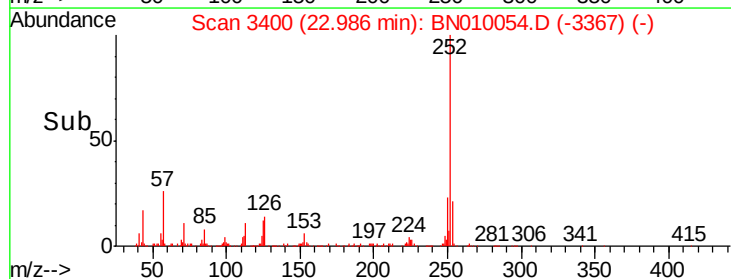
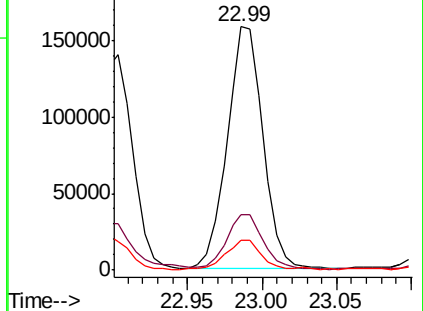
Tgt Ion:	252	Resp:	264218
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.4	26.0
125	12.1	9.0	13.6

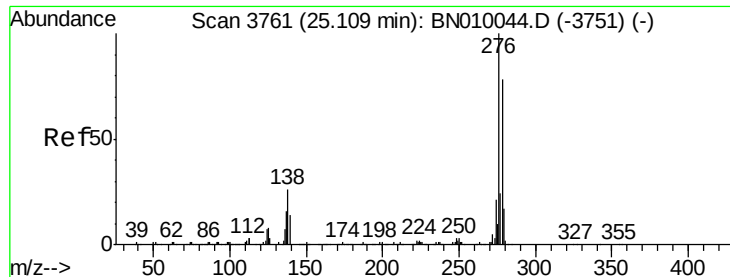


Abundance Ion 252.00 (251.70 to 252.70): E

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: 3.802 ng/ul

RT: 25.12 min Scan# 3762

Delta R.T. 0.01 min

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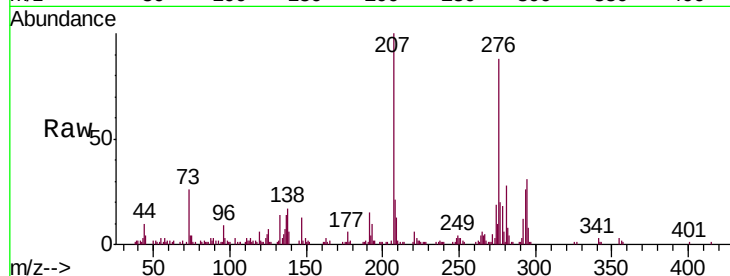
Tgt Ion:276 Resp: 115081

Ion Ratio Lower Upper

276 100

138 26.4 20.9 31.3

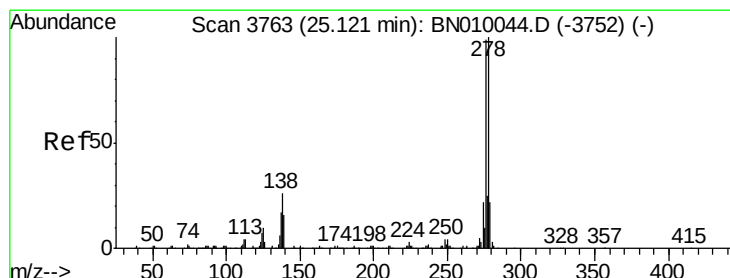
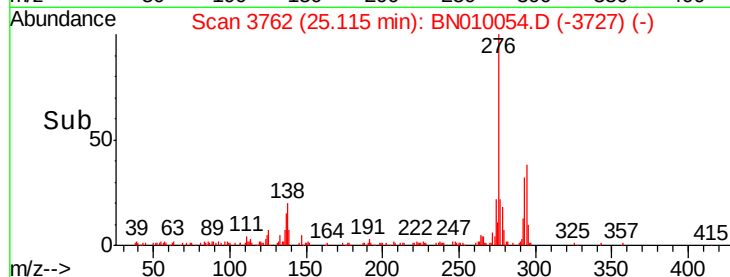
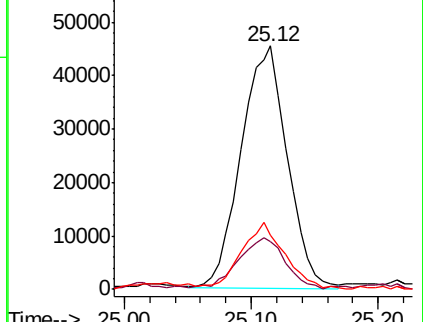
277 22.2 18.2 27.4



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: 1.197 ng/ul

RT: 25.10 min Scan# 3760

Delta R.T. -0.02 min

Lab File: BN010054.D

Acq: 02 Mar 2020 23:38

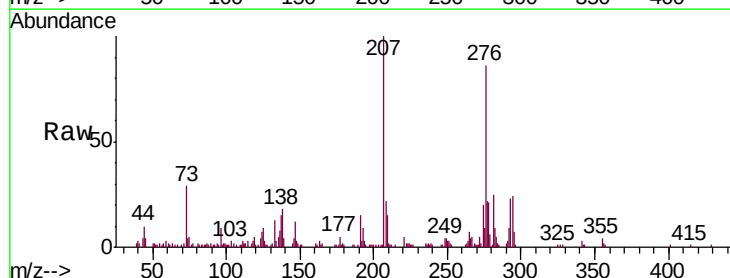
Tgt Ion:278 Resp: 30993

Ion Ratio Lower Upper

278 100

139 21.3 13.0 19.4#

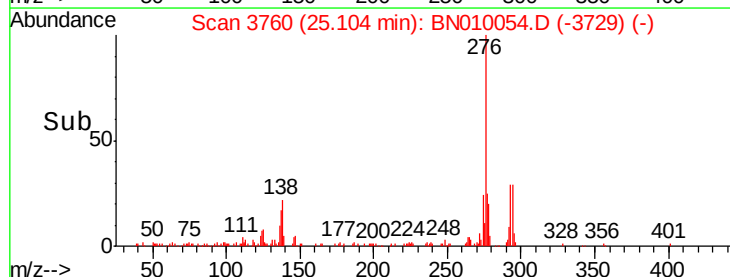
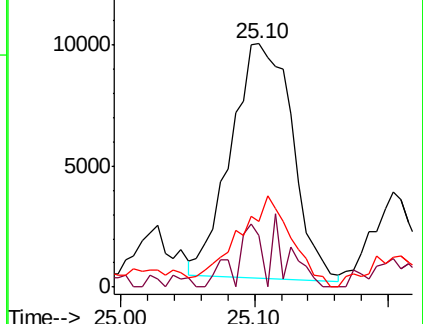
279 27.2 17.5 26.3#

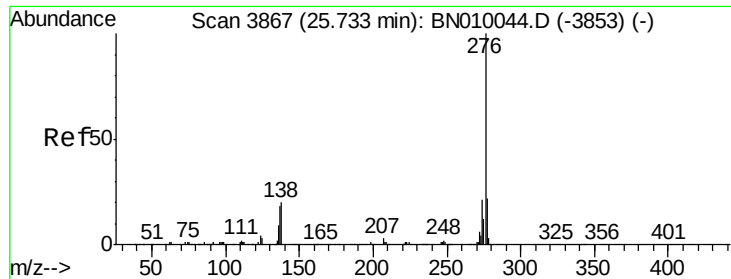


Abundance Ion 278.00 (277.70 to 278.70): E

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: 2.606 ng/ul

RT: 25.73 min Scan# 3866

Delta R.T. -0.01 min

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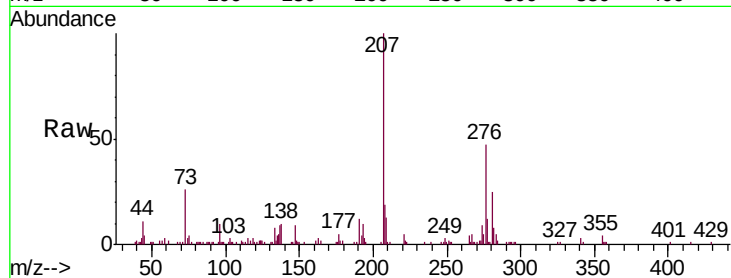
Tgt Ion:276 Resp: 66159

Ion Ratio Lower Upper

276 100

138 21.7 17.5 26.3

277 24.6 18.1 27.1



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

