

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
 Data File : BN009970.D
 Acq On : 27 Feb 2020 18:53
 Operator : CG/JU
 Sample : L1612-19DL 5X
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 28 01:15:41 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 26 07:56:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	80790	20.00	ng/ul	0.00
18) Naphthalene-d8	10.13	136	351445	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.02	164	225447	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.78	188	483128	20.00	ng/ul	0.00
78) Chrysene-d12	21.00	240	469246	20.00	ng/ul	0.00
86) Perylene-d12	23.10	264	518240	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.05	96	264	0.13	ng/uL	0.02
5) Phenol-d5	6.62	99	2427	0.35	ng/ul	0.03
7) Bis-(2-Chloroethyl)ether-d	6.76	67	5170	1.09	ng/ul	0.01
9) 2-Chlorophenol-d4	6.93	132	4826	0.93	ng/ul	0.00
13) 4-Methylphenol-d8	8.14	113	3959	0.72	ng/ul	0.04
19) Nitrobenzene-d5	8.56	128	2351	0.91	ng/ul	0.03
22) 2-Nitrophenol-d4	9.26	143	893	0.32	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	9.87	165	3237	0.60	ng/ul	0.10
29) 4-Chloroaniline-d4	10.36	131	1667	0.27	ng/ul	0.08
44) Dimethylphthalate-d6	13.47	166	23797	1.41	ng/ul	0.02
47) Acenaphthylene-d8	13.72	160	25866	1.30	ng/ul	0.00
52) 4-Nitrophenol-d4	14.38	143	313	0.10	ng/ul	0.11
58) Fluorene-d10	15.03	176	23512	1.62	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.25	200	187	0.06	ng/ul	0.06
71) Anthracene-d10	16.87	188	35931	1.62	ng/ul	0.00
79) Pyrene-d10	19.19	212	42327	1.73	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.97	264	44171	1.71	ng/ul	0.00

Target Compounds

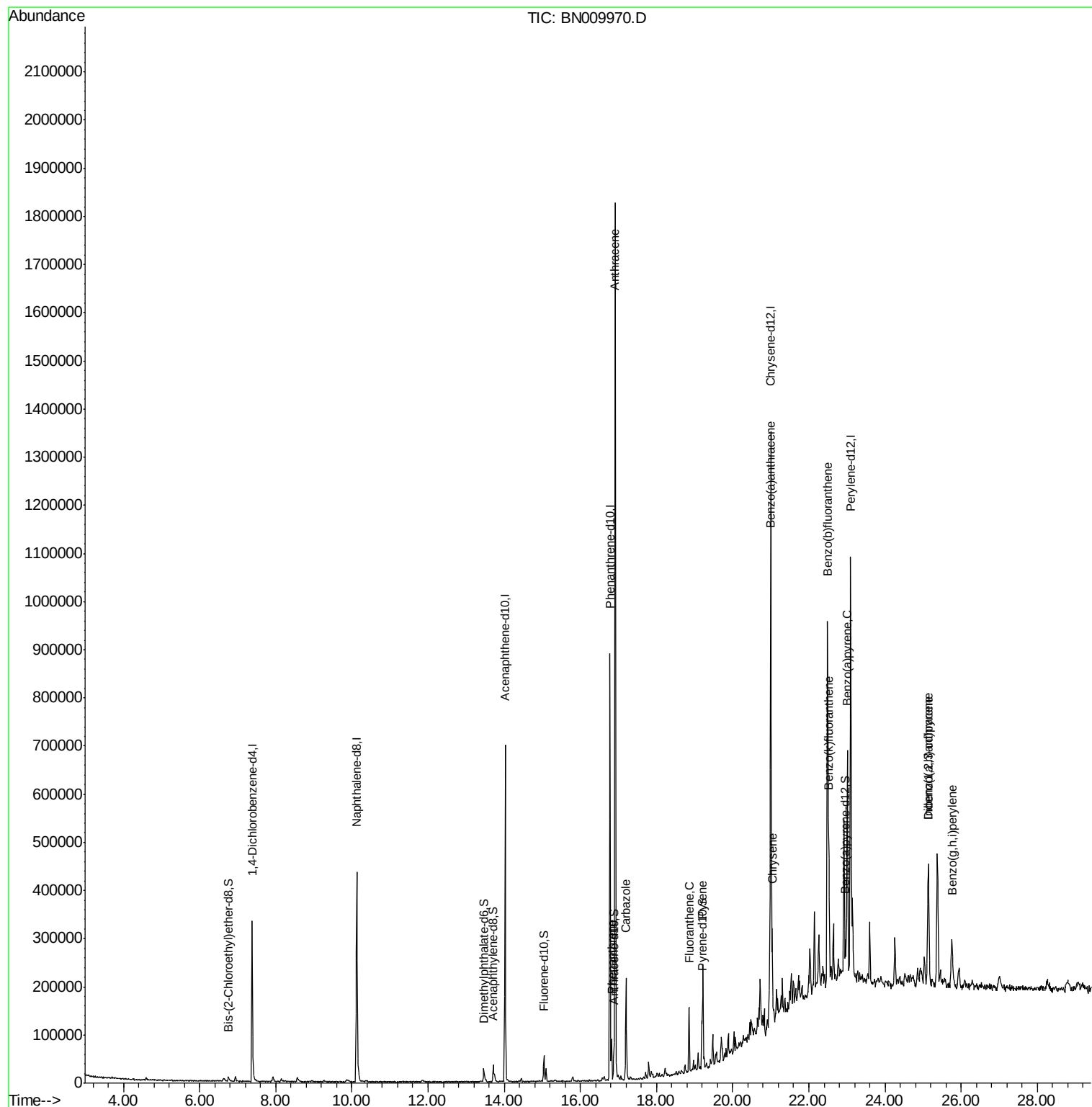
					Ovalue
70) Phenanthrene	16.82	178	47399	1.719	ng/ul 98
72) Anthracene	16.92	178	1122715	39.832	ng/ul 99
75) Carbazole	17.20	167	127819	5.149	ng/ul 98
77) Fluoranthene	18.86	202	74499	2.307	ng/ul 96
80) Pyrene	19.22	202	124922	3.693	ng/ul 99
83) Benzo(a)anthracene	20.99	228	99645	3.090	ng/ul 96
85) Chrysene	21.03	228	86450	2.723	ng/ul 95
88) Benzo(b)fluoranthene	22.49	252	501194	14.916	ng/ul 100
89) Benzo(k)fluoranthene	22.52	252	111283	3.498	ng/ul 98
91) Benzo(a)pyrene	23.01	252	220646	7.301	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	25.13	276	161741	4.508	ng/ul 94
93) Dibenzo(a,h)anthracene	25.14	278	42317	1.379	ng/ul# 81
94) Benzo(g,h,i)perylene	25.76	276	97290	3.234	ng/ul 97

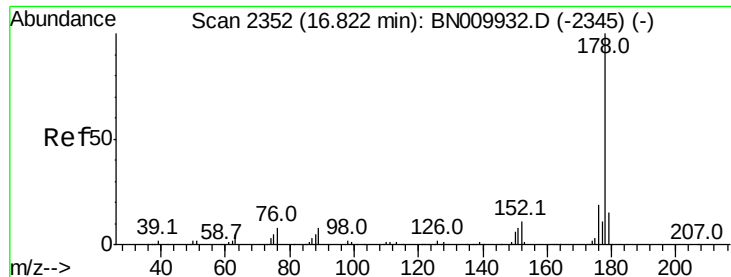
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 26 07:56:07 2020
Response via : Initial Calibration





#70

Phenanthrene

Concen: 1.719 ng/ul

RT: 16.82 min Scan# 2352

Delta R.T. -0.01 min

Lab File: BN009970.D

Acq: 27 Feb 2020 18:53

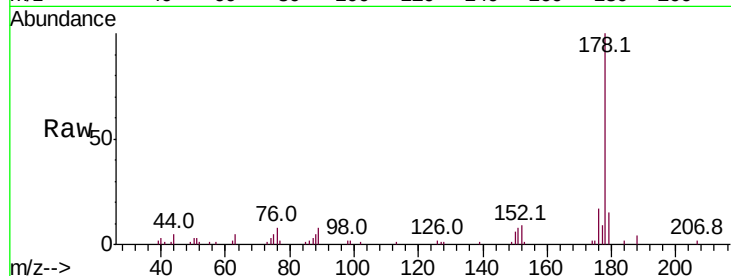
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 47399

Ion	Ratio	Lower	Upper
178	100		
179	14.8	12.5	18.7
176	17.0	14.6	22.0

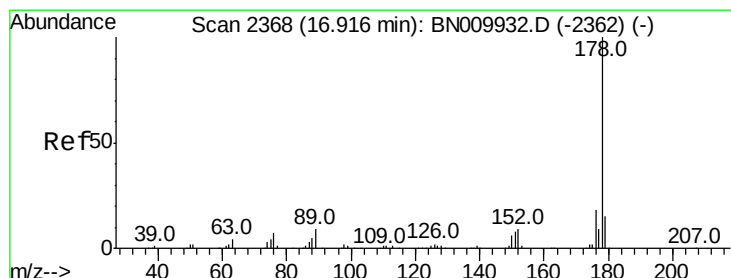
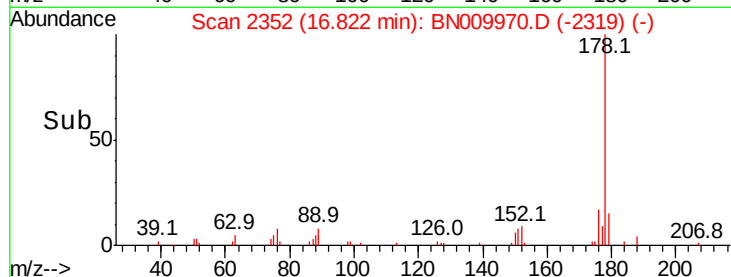
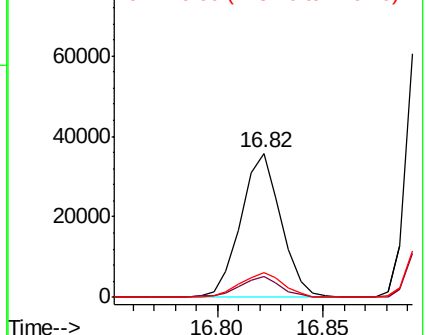


Abundance

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: 39.832 ng/ul

RT: 16.92 min Scan# 2368

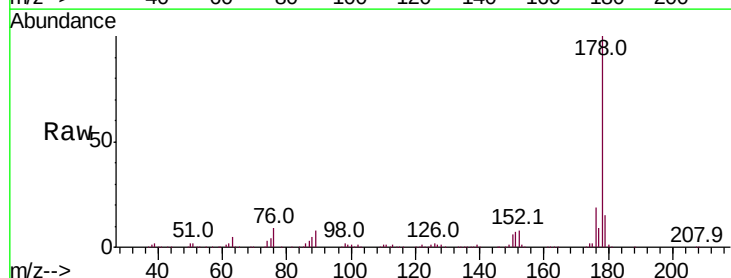
Delta R.T. 0.00 min

Lab File: BN009970.D

Acq: 27 Feb 2020 18:53

Tgt Ion:178 Resp: 1122715

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.2	18.2
176	18.6	14.6	21.8

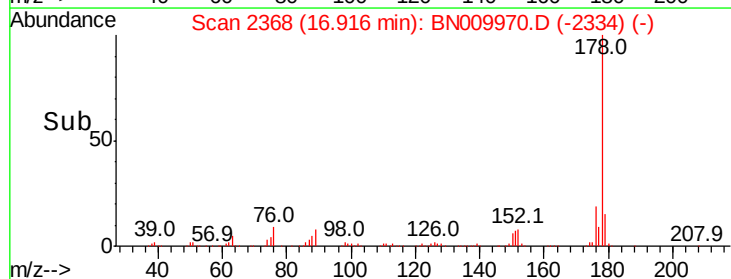
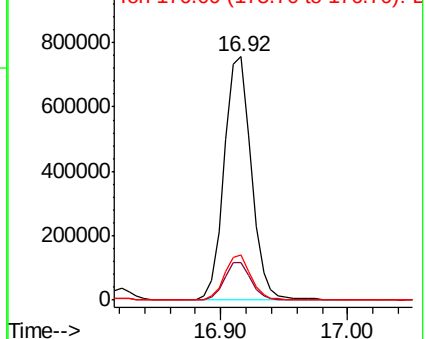


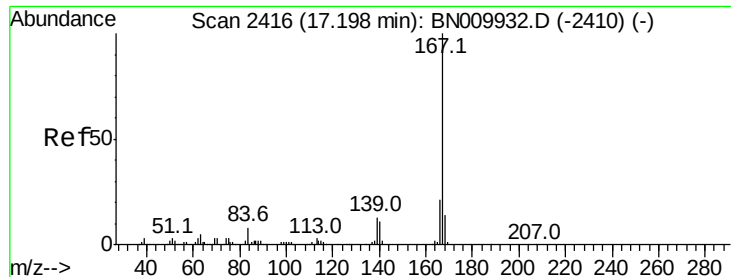
Abundance

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





#75

Carbazole

Concen: 5.149 ng/ul

RT: 17.20 min Scan# 2416

Delta R.T. 0.00 min

Lab File: BN009970.D

Acq: 27 Feb 2020 18:53

Instrument :

BNA_N

ClientSampleId :

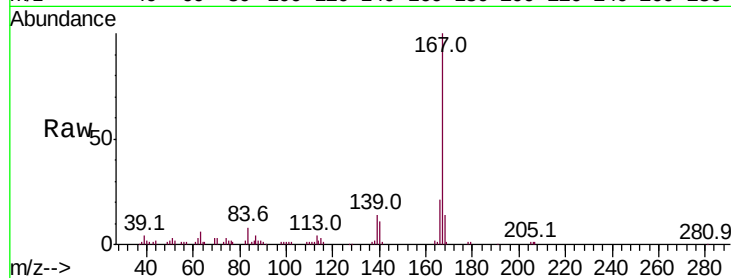
Tot Ion:167 Resp: 127819

Ion Ratio Lower Upper

167 100

166 21.1 16.6 24.8

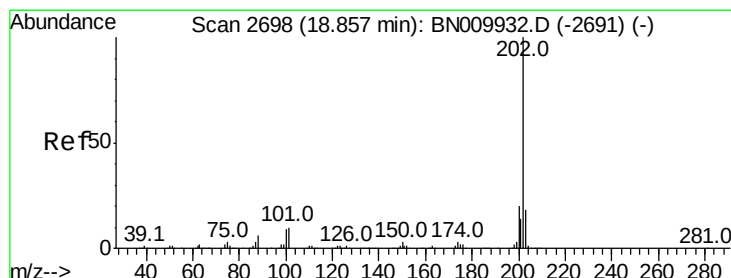
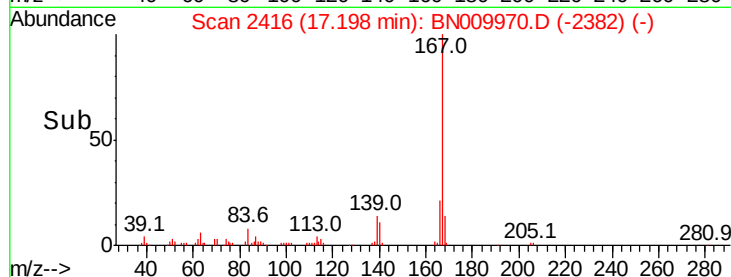
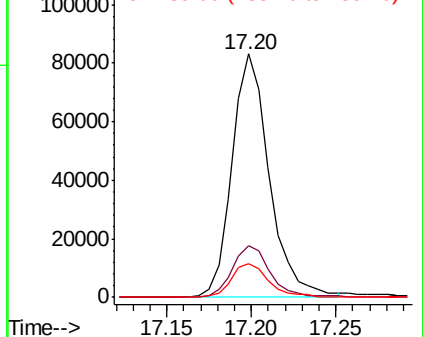
139 14.1 9.9 14.9



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#77

Fluoranthene

Concen: 2.307 ng/ul

RT: 18.86 min Scan# 2698

Delta R.T. 0.00 min

Lab File: BN009970.D

Acq: 27 Feb 2020 18:53

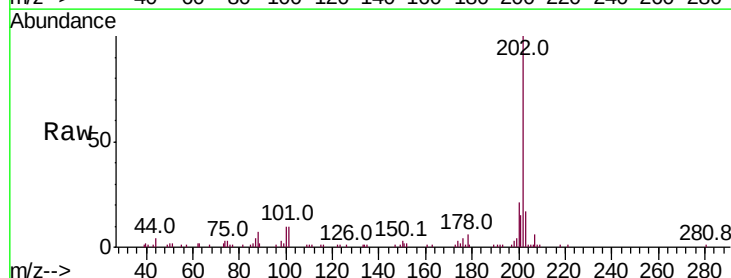
Tgt Ion:202 Resp: 74499

Ion Ratio Lower Upper

202 100

101 9.9 9.4 14.2

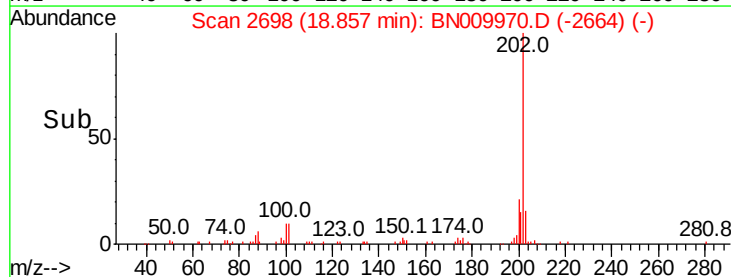
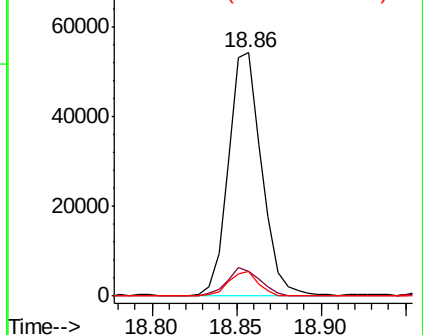
100 10.0 7.2 10.8

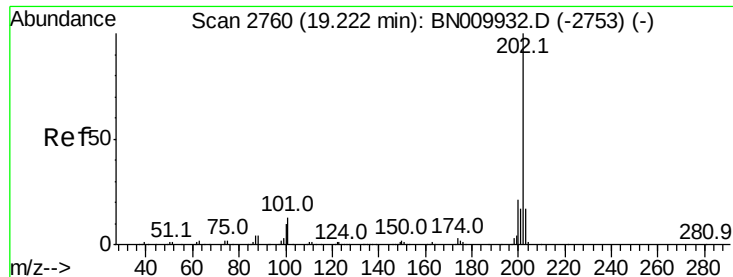


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

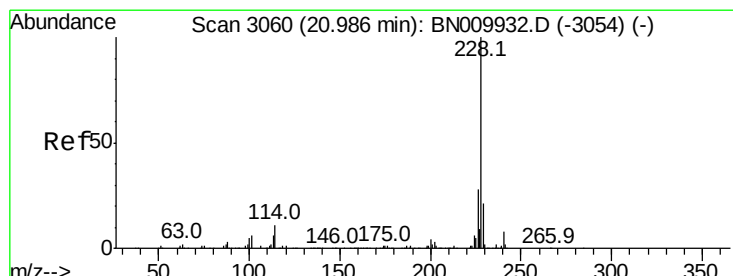
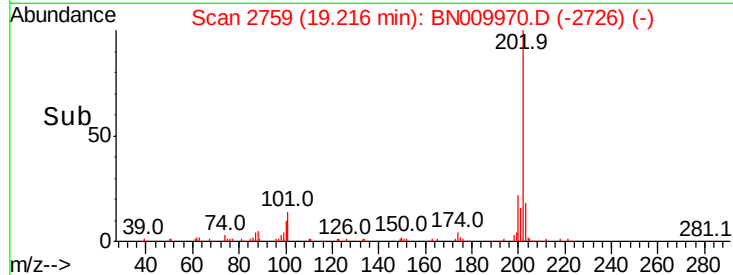
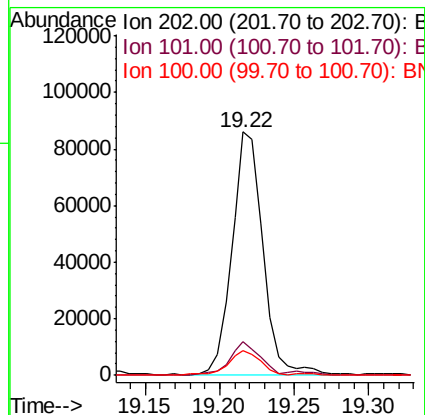
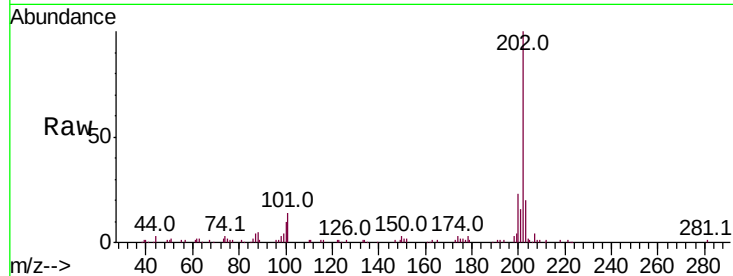




#80
 Pvrene
 Concen: 3.693 ng/ul
 RT: 19.22 min Scan# 2759
 Delta R.T. -0.01 min
 Lab File: BN009970.D
 Acq: 27 Feb 2020 18:53

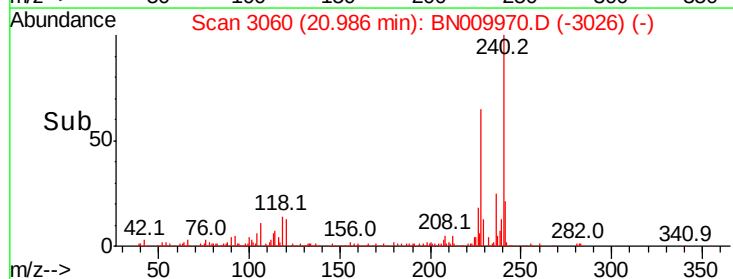
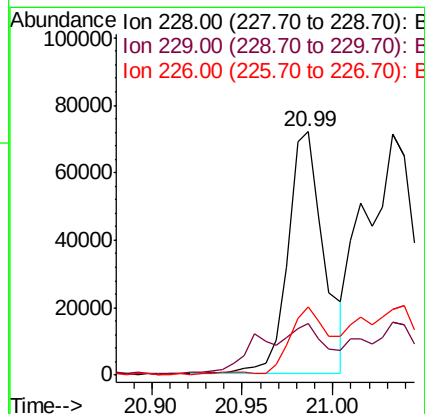
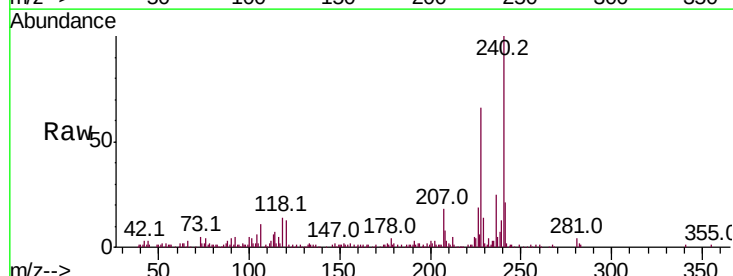
Instrument :
 BNA_N
 ClientSampleId :

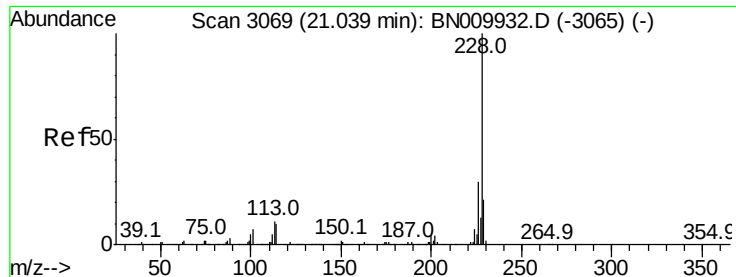
Tot Ion	Ratio	Lower	Upper
202	100		
101	14.0	11.3	16.9
100	10.2	9.0	13.6



#83
 Benzo(a)anthracene
 Concen: 3.090 ng/ul
 RT: 20.99 min Scan# 3060
 Delta R.T. 0.00 min
 Lab File: BN009970.D
 Acq: 27 Feb 2020 18:53

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.2	15.0	22.4
226	28.3	21.4	32.2





#85

Chrysene

Concen: 2.723 ng/ul

RT: 21.03 min Scan# 3068

Delta R.T. -0.01 min

Lab File: BN009970.D

Acq: 27 Feb 2020 18:53

Instrument :

BNA_N

ClientSampleId :

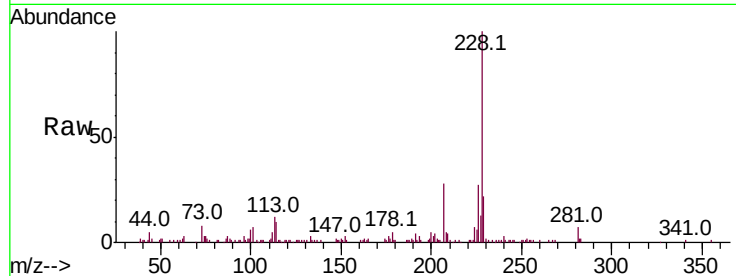
Tot Ion:228 Resp: 86450

Ion Ratio Lower Upper

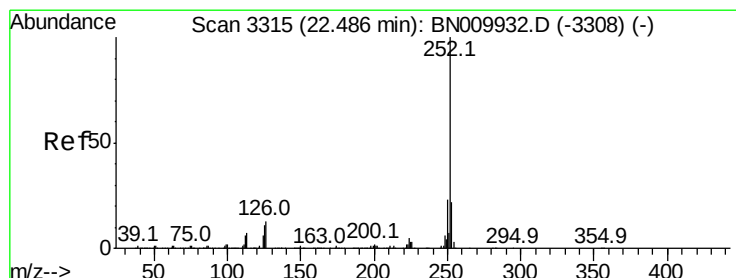
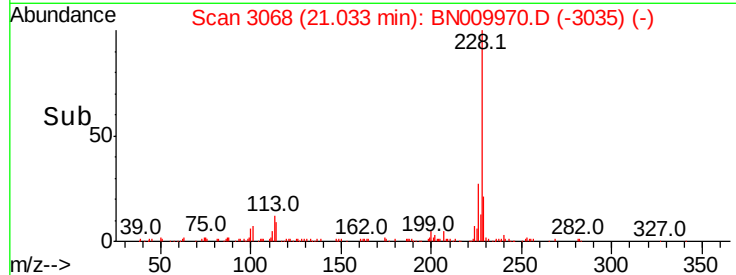
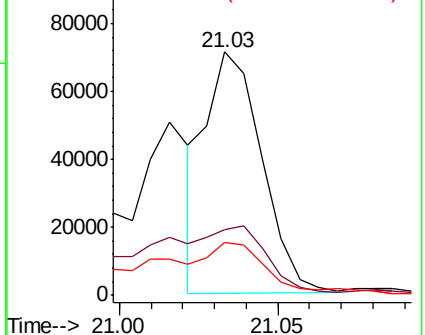
228 100

226 27.1 23.4 35.2

229 21.8 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: 14.916 ng/ul

RT: 22.49 min Scan# 3315

Delta R.T. 0.00 min

Lab File: BN009970.D

Acq: 27 Feb 2020 18:53

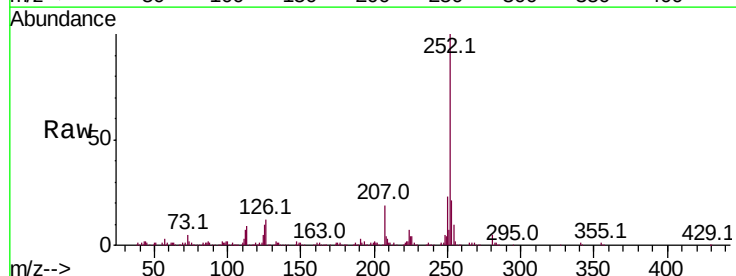
Tgt Ion:252 Resp: 501194

Ion Ratio Lower Upper

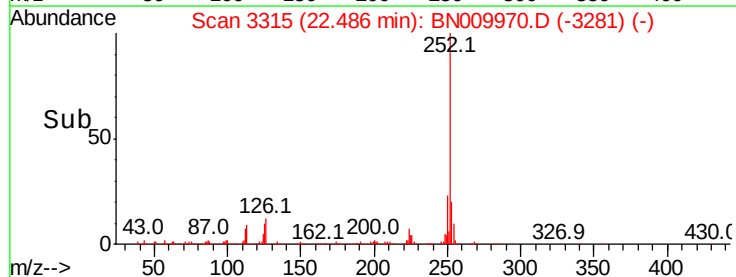
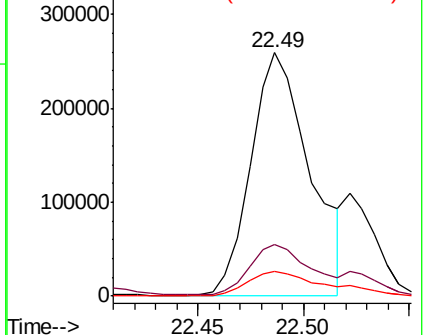
252 100

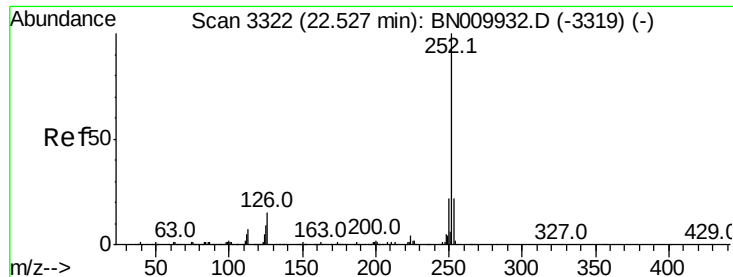
253 21.1 17.0 25.4

125 10.3 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

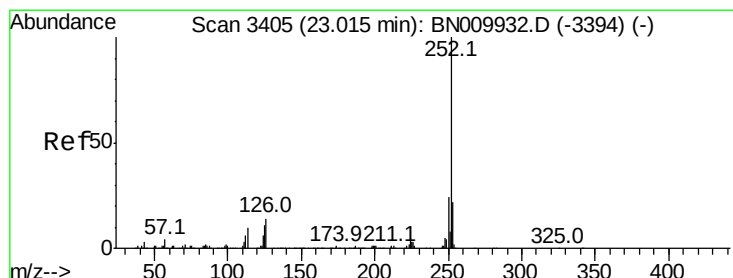
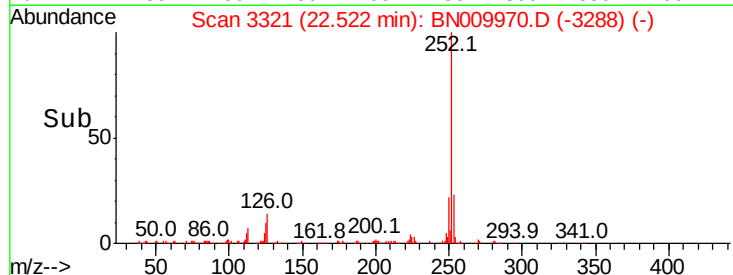
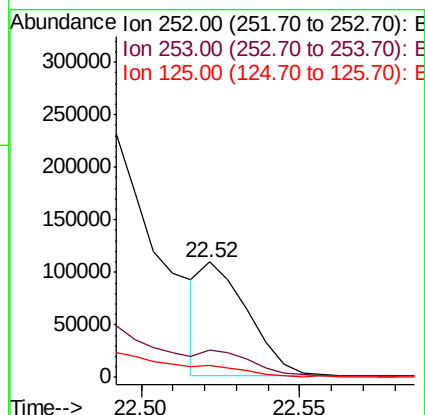
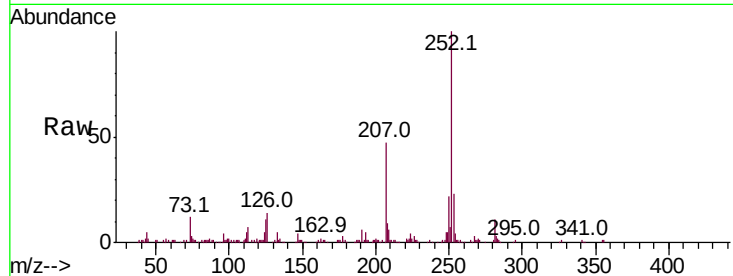




#89
Benzo(k)fluoranthene
Concen: 3.498 ng/ul
RT: 22.52 min Scan# 3321
Delta R.T. -0.01 min
Lab File: BN009970.D
Acq: 27 Feb 2020 18:53

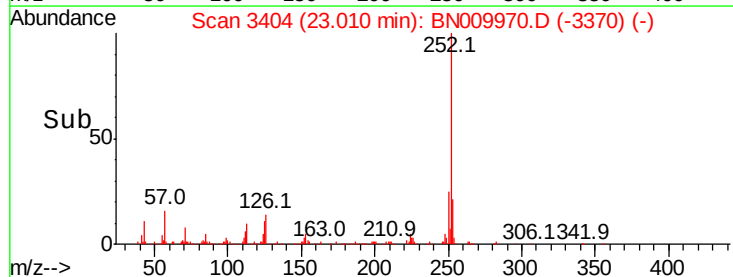
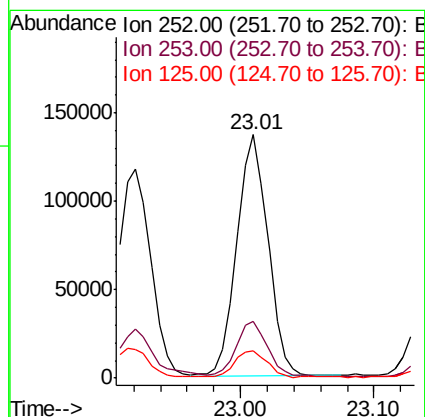
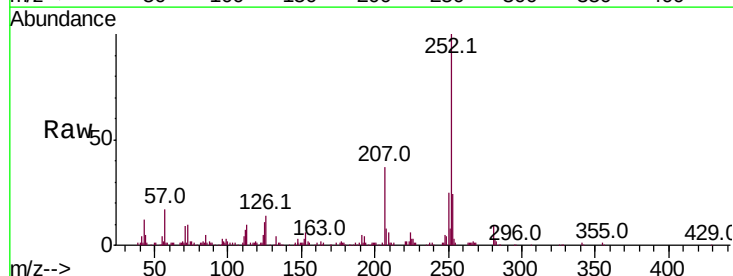
Instrument :
BNA_N
ClientSampled :

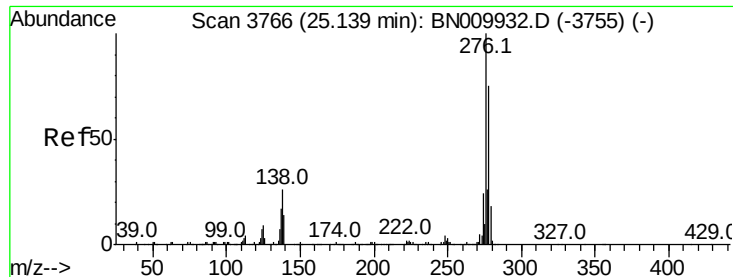
Tot Ion:252 Resp: 111283
Ion Ratio Lower Upper
252 100
253 23.5 18.0 27.0
125 10.5 8.2 12.2



#91
Benzo(a)pyrene
Concen: 7.301 ng/ul
RT: 23.01 min Scan# 3404
Delta R.T. 0.00 min
Lab File: BN009970.D
Acq: 27 Feb 2020 18:53

Tgt Ion:252 Resp: 220646
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.0
125 11.1 9.0 13.6

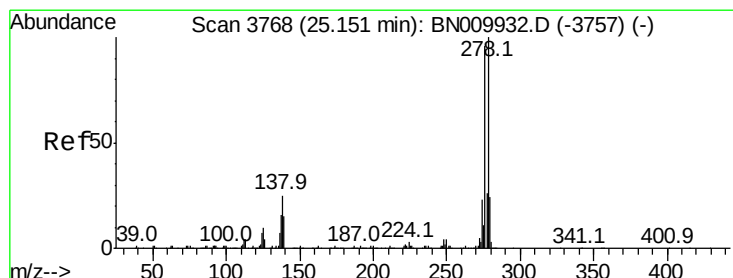
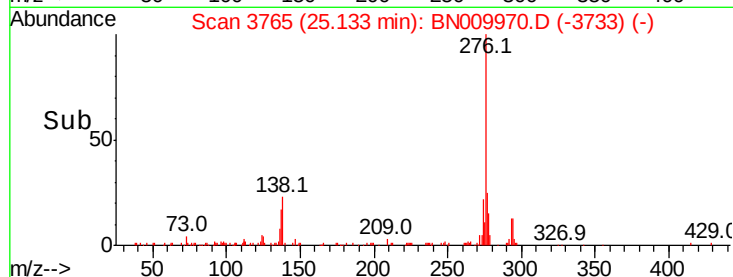
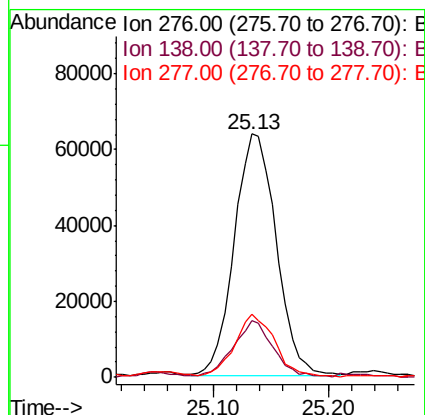
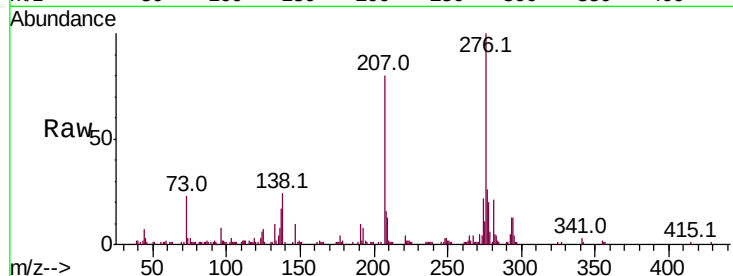




#92
 Indeno(1,2,3-cd)pyrene
 Concen: 4.508 ng/ul
 RT: 25.13 min Scan# 3765
 Delta R.T. -0.01 min
 Lab File: BN009970.D
 Acq: 27 Feb 2020 18:53

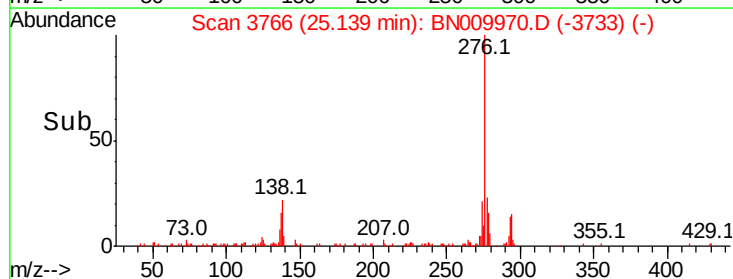
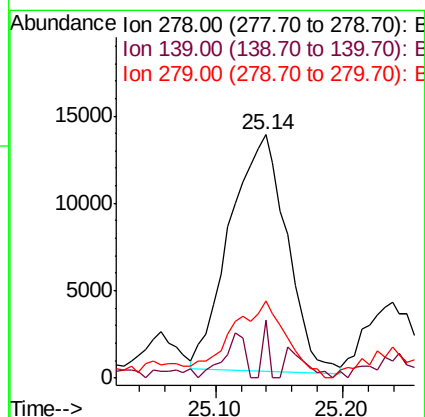
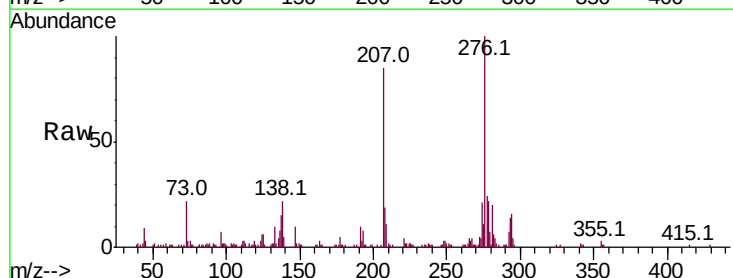
Instrument :
 BNA_N
 ClientSampleId :

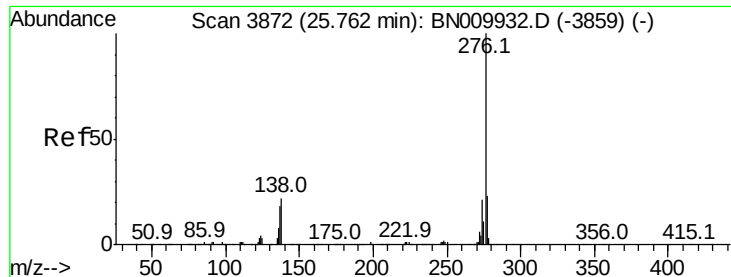
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.5	20.9	31.3
277	25.8	18.2	27.4



#93
 Dibenzo(a,h)anthracene
 Concen: 1.379 ng/ul
 RT: 25.14 min Scan# 3766
 Delta R.T. -0.01 min
 Lab File: BN009970.D
 Acq: 27 Feb 2020 18:53

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.0	13.0	19.4#
279	31.5	17.5	26.3#





#94

Benzo(a,h,i)perylene

Concen: 3.234 ng/ul

RT: 25.76 min Scan# 3871

Delta R.T. -0.01 min

Lab File: BN009970.D

Acq: 27 Feb 2020 18:53

Instrument :

BNA_N

ClientSampleId :

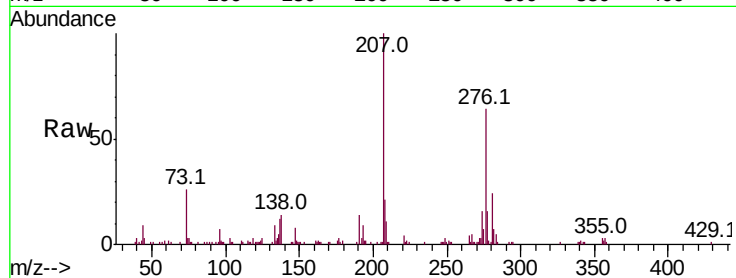
Tot Ion:276 Resp: 97290

Ion Ratio Lower Upper

276 100

138 21.7 17.5 26.3

277 25.6 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

