

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120822\
 Data File : BM037895.D
 Acq On : 08 Dec 2022 20:17
 Operator : CG/JU
 Sample : N5832-19 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

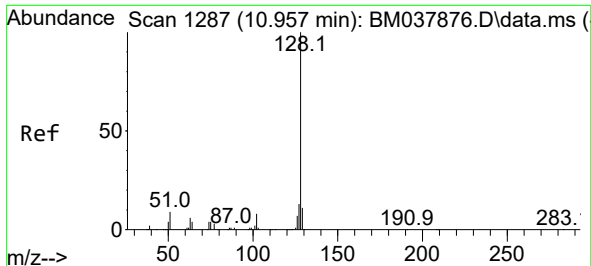
Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 08 22:41:51 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 08 01:49:06 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.086	152	301256	20.000	ng/ul	0.00
20) Naphthalene-d8	10.910	136	1186850	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.715	164	661602	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.456	188	1245743	20.000	ng/ul	0.00
79) Chrysene-d12	21.621	240	908726	20.000	ng/ul	0.00
88) Perylene-d12	24.109	264	1042693	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.428	96	3271	0.493	ng/uL	0.00
4) Pyridine-d5	3.851	84	708	0.036	ng/ul	-0.01
7) Phenol-d5	7.239	99	52635	2.150	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.410	67	32549	2.184	ng/ul	0.00
11) 2-Chlorophenol-d4	7.616	132	44229	2.202	ng/ul	0.00
15) 4-Methylphenol-d8	8.792	113	39423	2.063	ng/ul	0.00
21) Nitrobenzene-d5	9.257	128	20747	2.208	ng/ul	0.00
24) 2-Nitrophenol-d4	9.986	143	20609	2.093	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.522	165	37290	1.994	ng/ul	0.00
31) 4-Chloroaniline-d4	11.045	131	29009	1.124	ng/ul	0.00
46) Dimethylphthalate-d6	14.121	166	112334	2.382	ng/ul	0.00
49) Acenaphthylene-d8	14.410	160	132744	2.303	ng/ul	0.00
54) 4-Nitrophenol-d4	14.910	143	8613	1.071	ng/ul	0.00
60) Fluorene-d10	15.704	176	103777	2.470	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.815	200	7582	1.138	ng/ul	0.00
73) Anthracene-d10	17.556	188	154079	2.650	ng/ul	0.00
81) Pyrene-d10	19.833	212	147839	2.708	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.944	264	134325	2.579	ng/ul	0.00
Target Compounds						Qvalue
30) Naphthalene	10.957	128	177960	2.779	ng/ul	100
36) 2-Methylnaphthalene	12.557	142	134207	3.231	ng/ul	96
50) Acenaphthylene	14.439	152	146827	2.316	ng/ul	99
52) Acenaphthene	14.780	153	65507	1.494	ng/ul	95
56) Dibenzofuran	15.110	168	322146	5.382	ng/ul	98
61) Fluorene	15.757	166	661231	13.545	ng/ul	99
72) Phenanthrene	17.498	178	2053561	30.186	ng/ul	100
74) Anthracene	17.598	178	12381867	179.095	ng/ul	97
77) Carbazole	17.862	167	2257906	37.696	ng/ul	99
80) Fluoranthene	19.503	202	2831818	43.956	ng/ul	99
82) Pyrene	19.868	202	3364598	50.182	ng/ul	99
85) Benzo(a)anthracene	21.609	228	888463	14.522	ng/ul	99
87) Chrysene	21.662	228	1245964	21.706	ng/ul	98
90) Benzo(b)fluoranthene	23.350	252	1633926	25.276	ng/ul	99
91) Benzo(k)fluoranthene	23.350	252	1633926	26.081	ng/ul	99
93) Benzo(a)pyrene	23.997	252	700224	12.318	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.697	276	460419	6.289	ng/ul	97
95) Dibenzo(a,h)anthracene	26.703	278	121417	1.967	ng/ul#	85
96) Benzo(g,h,i)perylene	27.503	276	358922	6.140	ng/ul	98

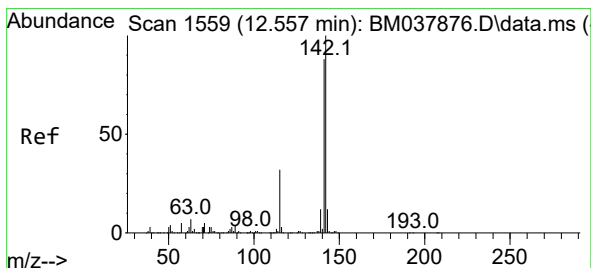
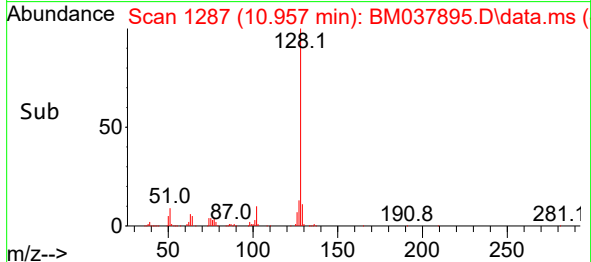
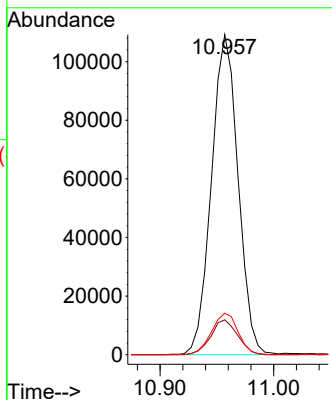
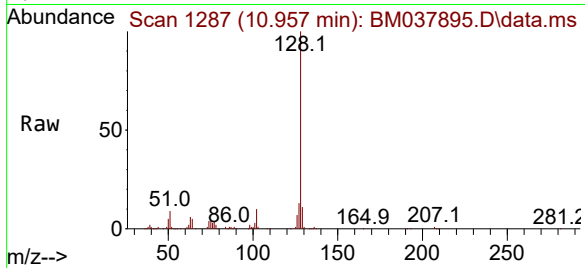
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#30
Naphthalene
Concen: 2.779 ng/ul
RT: 10.957 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BM037895.D
Acq: 08 Dec 2022 20:17

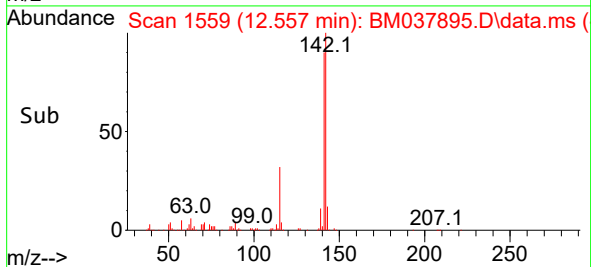
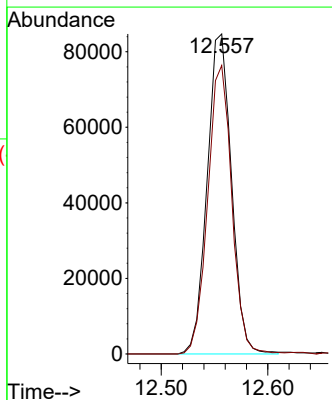
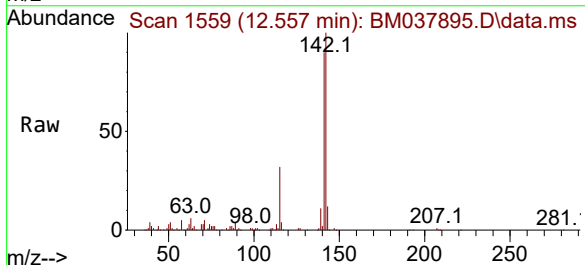
Instrument :
BNA_M
ClientSampleId :

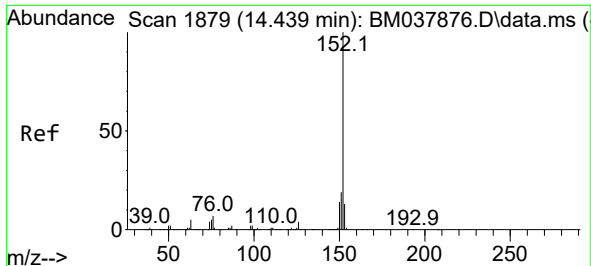
Tgt Ion:128 Resp: 177960
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.4
127 13.0 10.4 15.6



#36
2-Methylnaphthalene
Concen: 3.231 ng/ul
RT: 12.557 min Scan# 1559
Delta R.T. -0.000 min
Lab File: BM037895.D
Acq: 08 Dec 2022 20:17

Tgt Ion:142 Resp: 134207
Ion Ratio Lower Upper
142 100
141 90.1 69.4 104.0

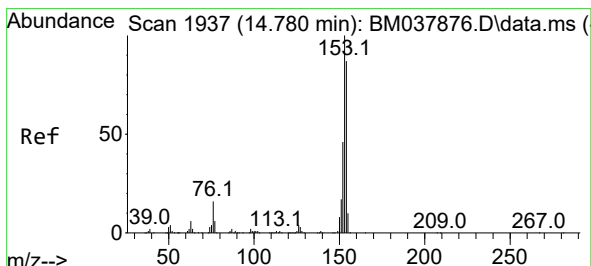
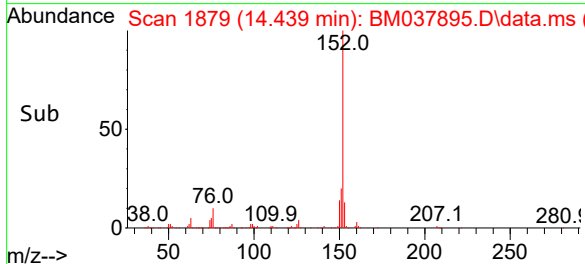
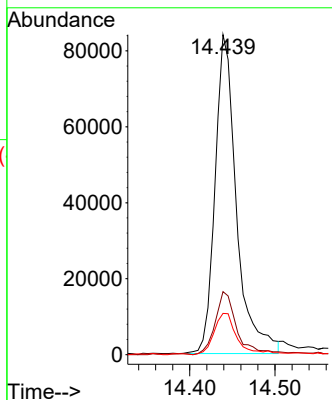
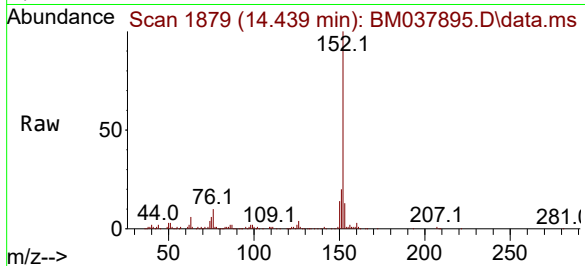




#50
Acenaphthylene
Concen: 2.316 ng/ul
RT: 14.439 min Scan# 1879
Delta R.T. -0.006 min
Lab File: BM037895.D
Acq: 08 Dec 2022 20:17

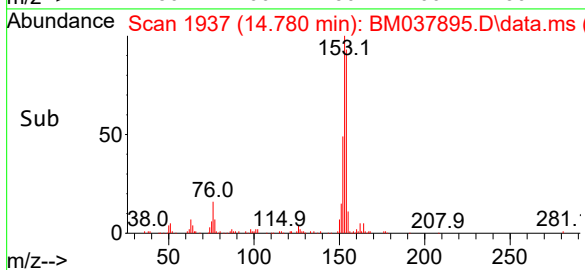
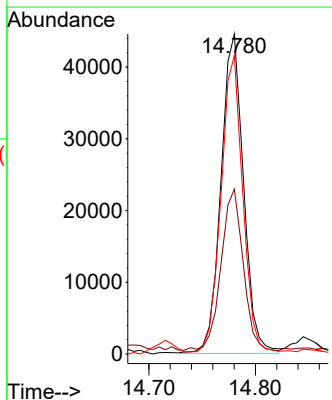
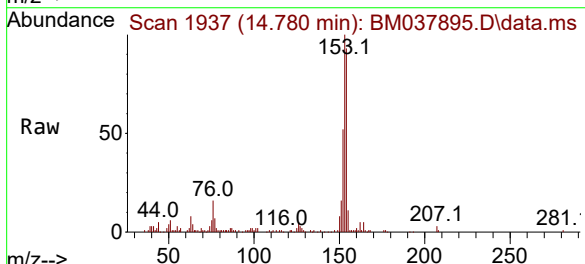
Instrument :
BNA_M
ClientSampleId :

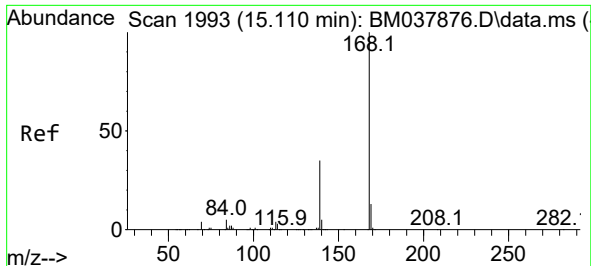
Tgt Ion:152 Resp: 146827
Ion Ratio Lower Upper
152 100
151 19.7 15.3 22.9
153 12.9 10.2 15.4



#52
Acenaphthene
Concen: 1.494 ng/ul
RT: 14.780 min Scan# 1937
Delta R.T. -0.000 min
Lab File: BM037895.D
Acq: 08 Dec 2022 20:17

Tgt Ion:153 Resp: 65507
Ion Ratio Lower Upper
153 100
152 51.5 38.2 57.4
154 93.3 71.4 107.0

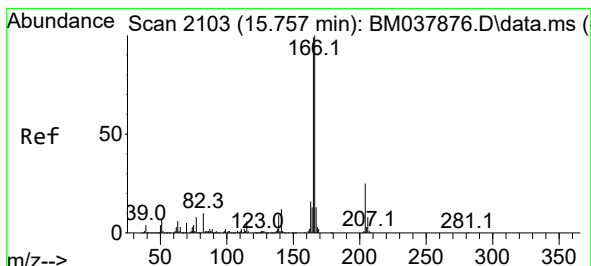
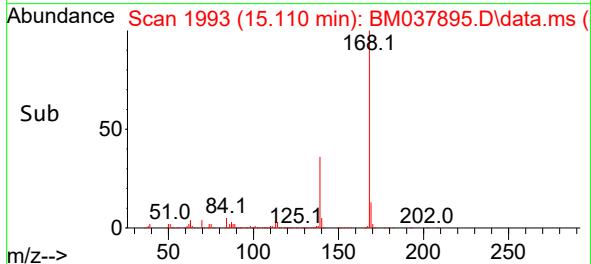
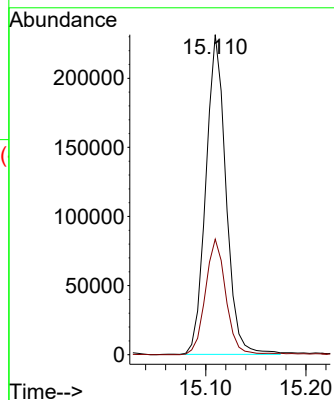
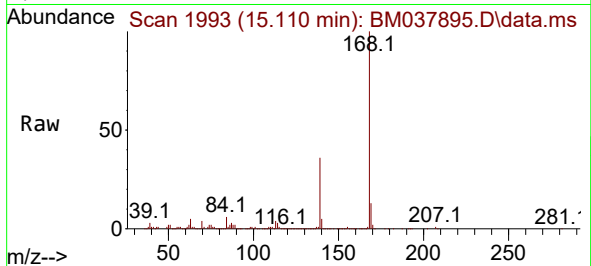




#56
Dibenzofuran
Concen: 5.382 ng/ul
RT: 15.110 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BM037895.D
Acq: 08 Dec 2022 20:17

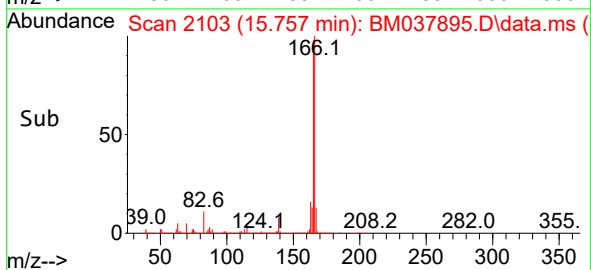
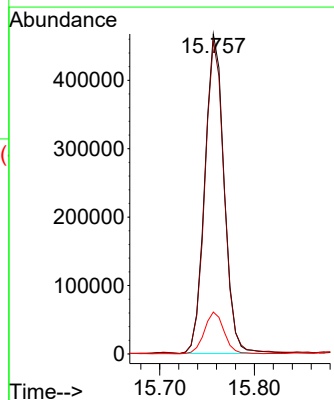
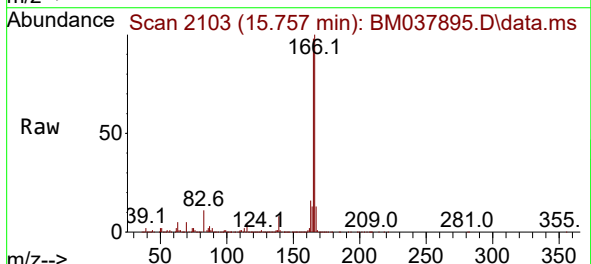
Instrument :
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ClientSampleId :

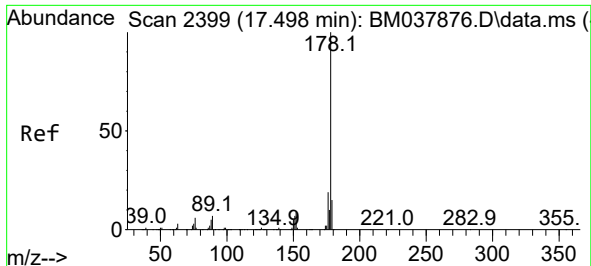
Tgt Ion:168 Resp: 322146
Ion Ratio Lower Upper
168 100
139 36.1 28.1 42.1



#61
Fluorene
Concen: 13.545 ng/ul
RT: 15.757 min Scan# 2103
Delta R.T. -0.006 min
Lab File: BM037895.D
Acq: 08 Dec 2022 20:17

Tgt Ion:166 Resp: 661231
Ion Ratio Lower Upper
166 100
165 97.8 77.2 115.8
167 13.1 10.4 15.6

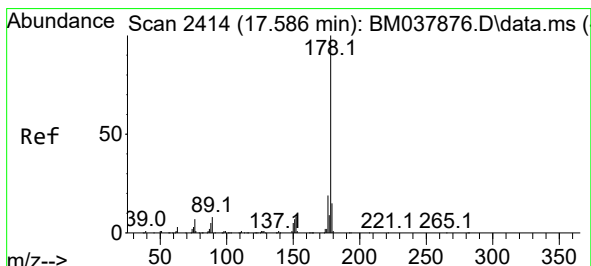
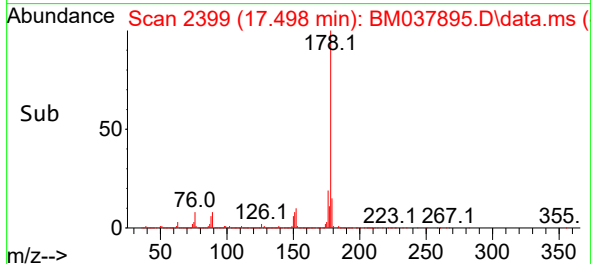
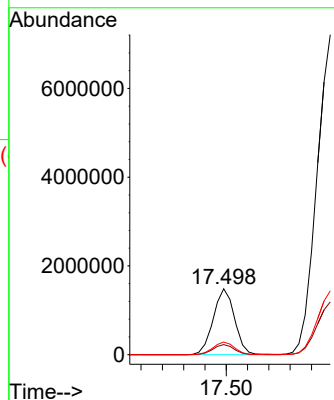
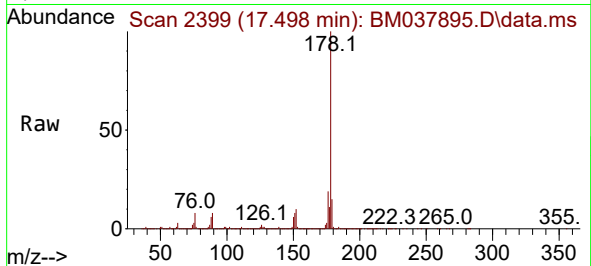




#72
Phenanthrene
Concen: 30.186 ng/ul
RT: 17.498 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM037895.D
Acq: 08 Dec 2022 20:17

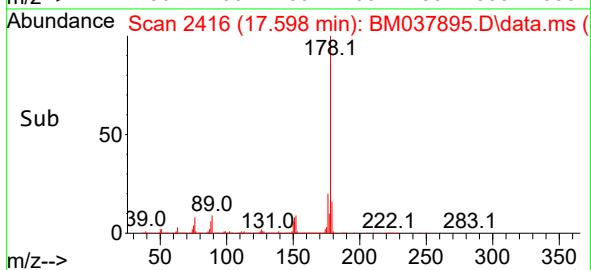
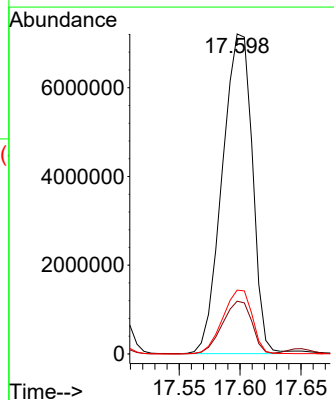
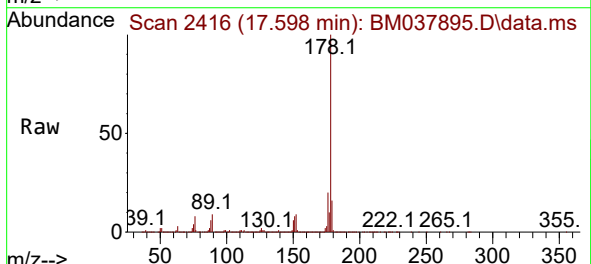
Instrument :
BNA_M
ClientSampleId :

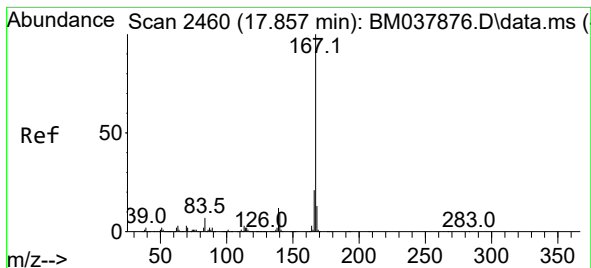
Tgt Ion:178 Resp: 2053561
Ion Ratio Lower Upper
178 100
179 15.3 12.2 18.2
176 19.1 15.4 23.0



#74
Anthracene
Concen: 179.095 ng/ul
RT: 17.598 min Scan# 2416
Delta R.T. 0.006 min
Lab File: BM037895.D
Acq: 08 Dec 2022 20:17

Tgt Ion:178 Resp:12381867
Ion Ratio Lower Upper
178 100
179 16.5 11.8 17.8
176 19.9 15.0 22.6





#77

Carbazole

Concen: 37.696 ng/ul

RT: 17.862 min Scan# 24

Delta R.T. 0.006 min

Lab File: BM037895.D

Acq: 08 Dec 2022 20:17

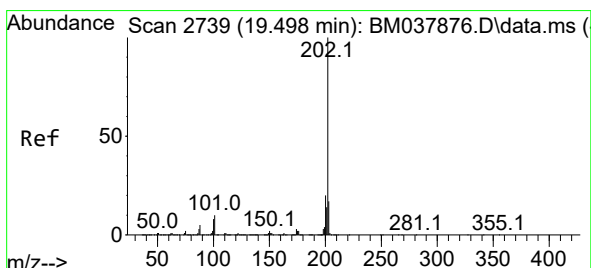
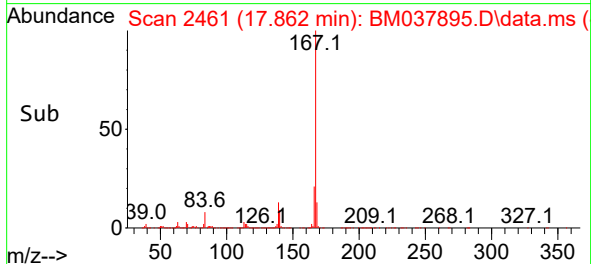
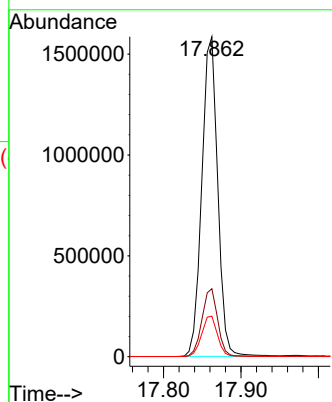
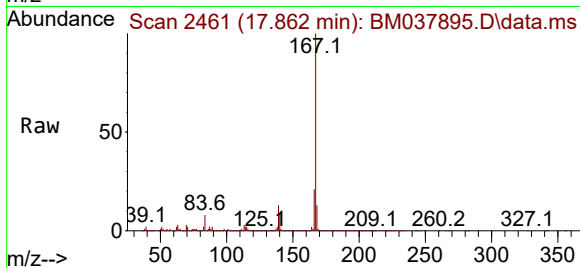
Instrument :

BNA_M

ClientSampleId :

Tgt Ion:167 Resp: 2257906

Ion	Ratio	Lower	Upper
167	100		
166	21.2	16.7	25.1
139	12.7	9.8	14.6



#80

Fluoranthene

Concen: 43.956 ng/ul

RT: 19.503 min Scan# 2740

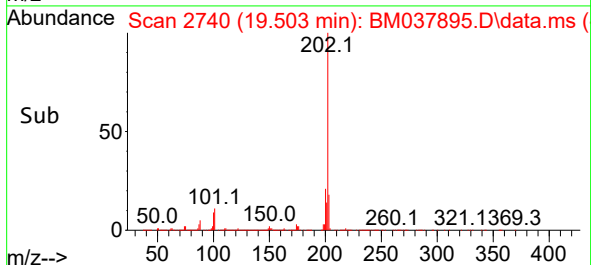
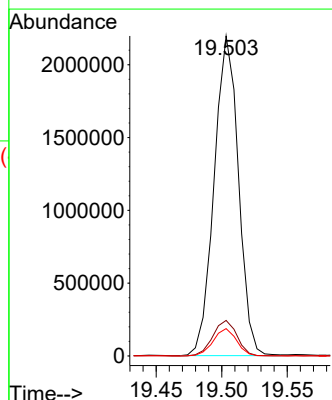
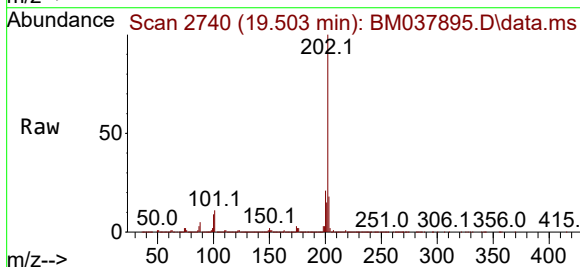
Delta R.T. -0.000 min

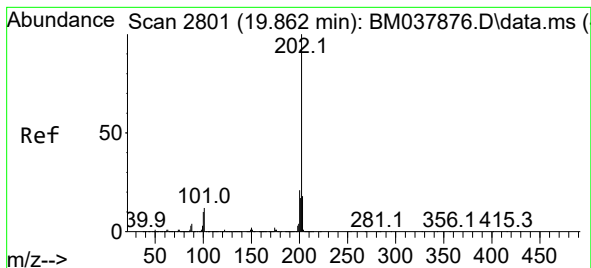
Lab File: BM037895.D

Acq: 08 Dec 2022 20:17

Tgt Ion:202 Resp: 2831818

Ion	Ratio	Lower	Upper
202	100		
101	11.1	8.6	13.0
100	8.6	6.6	10.0





#82

Pyrene

Concen: 50.182 ng/ul

RT: 19.868 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM037895.D

Acq: 08 Dec 2022 20:17

Instrument :

BNA_M

ClientSampleId :

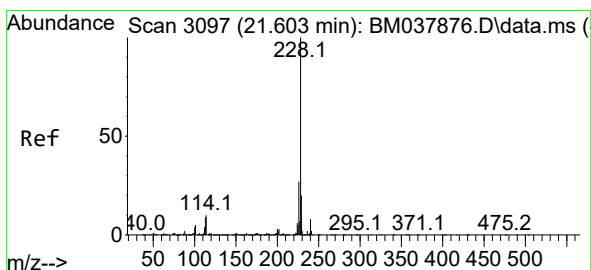
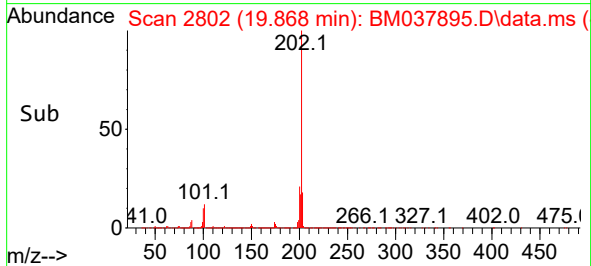
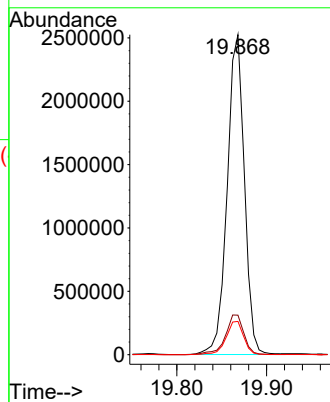
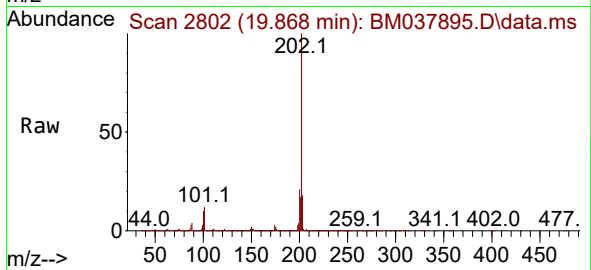
Tgt Ion:202 Resp: 3364598

Ion Ratio Lower Upper

202 100

101 12.4 10.0 15.0

100 10.4 7.9 11.9



#85

Benzo(a)anthracene

Concen: 14.522 ng/ul

RT: 21.609 min Scan# 3098

Delta R.T. -0.000 min

Lab File: BM037895.D

Acq: 08 Dec 2022 20:17

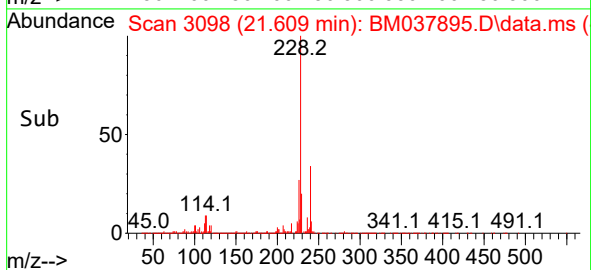
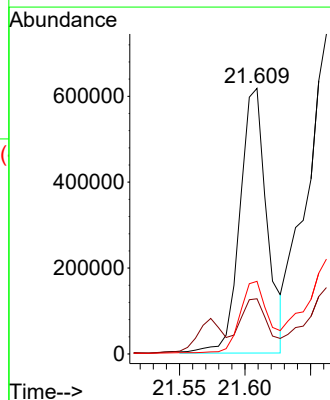
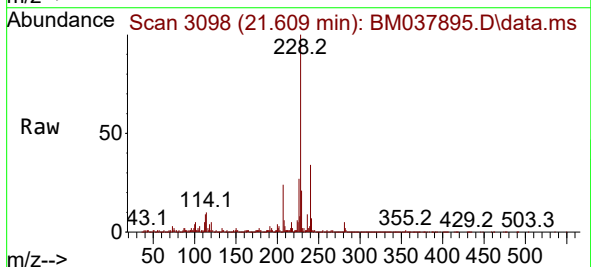
Tgt Ion:228 Resp: 888463

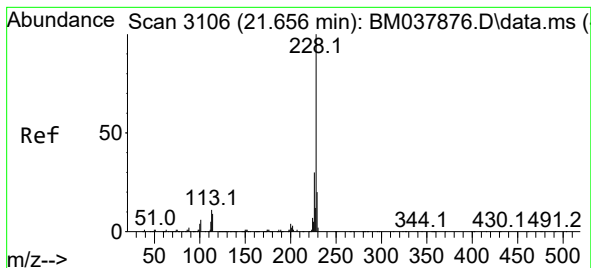
Ion Ratio Lower Upper

228 100

229 20.8 15.5 23.3

226 27.4 21.8 32.8





#87

Chrysene

Concen: 21.706 ng/ul

RT: 21.662 min Scan# 3106

Delta R.T. -0.000 min

Lab File: BM037895.D

Acq: 08 Dec 2022 20:17

Instrument :

BNA_M

ClientSampleId :

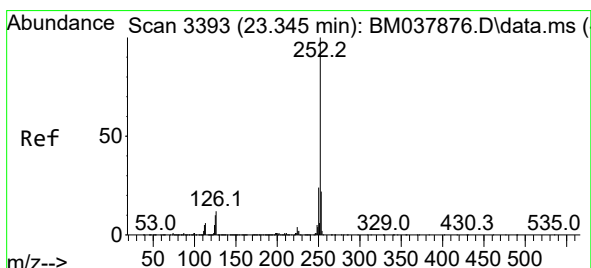
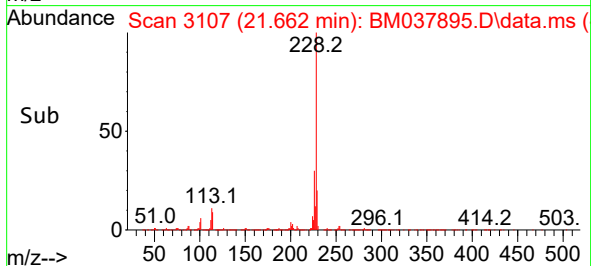
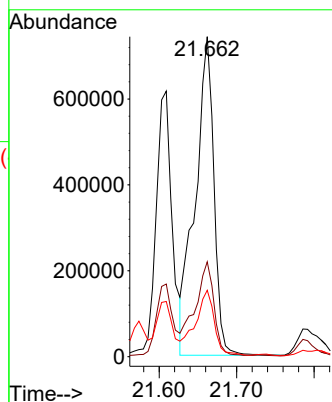
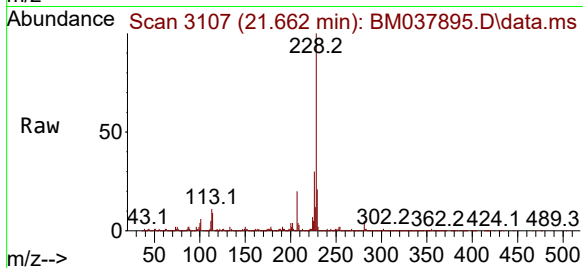
Tgt Ion:228 Resp: 1245964

Ion Ratio Lower Upper

228 100

226 29.7 24.3 36.5

229 20.7 15.6 23.4



#90

Benzo(b)fluoranthene

Concen: 25.276 ng/ul

RT: 23.350 min Scan# 3394

Delta R.T. 0.006 min

Lab File: BM037895.D

Acq: 08 Dec 2022 20:17

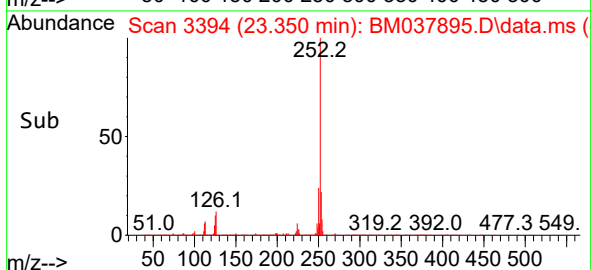
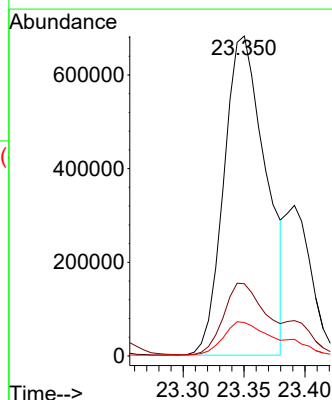
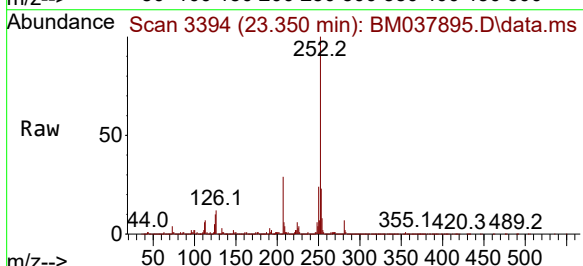
Tgt Ion:252 Resp: 1633926

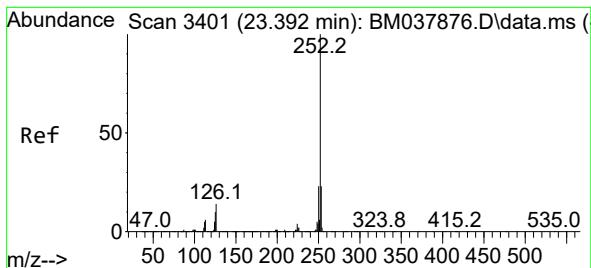
Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

125 10.4 8.0 12.0





#91

Benzo(k)fluoranthene

Concen: 26.081 ng/ul

RT: 23.350 min Scan# 31

Delta R.T. -0.047 min

Lab File: BM037895.D

Acq: 08 Dec 2022 20:17

Instrument :

BNA_M

ClientSampleId :

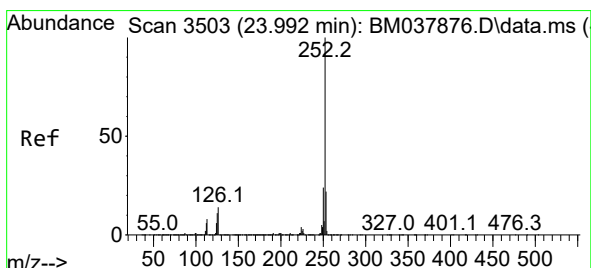
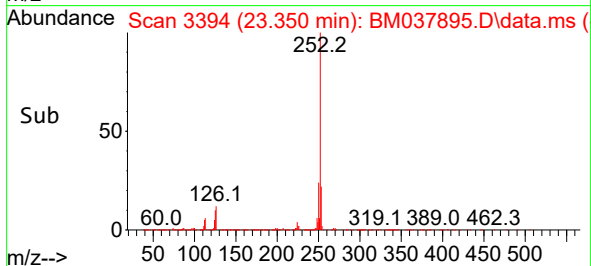
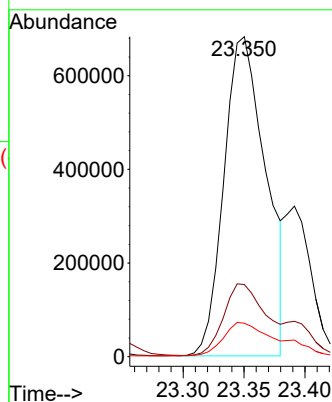
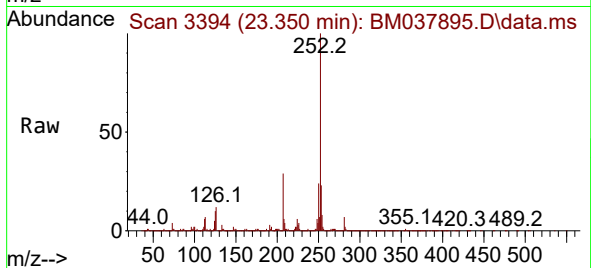
Tgt Ion:252 Resp: 1633926

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.2

125 10.4 8.1 12.1



#93

Benzo(a)pyrene

Concen: 12.318 ng/ul

RT: 23.997 min Scan# 3504

Delta R.T. -0.000 min

Lab File: BM037895.D

Acq: 08 Dec 2022 20:17

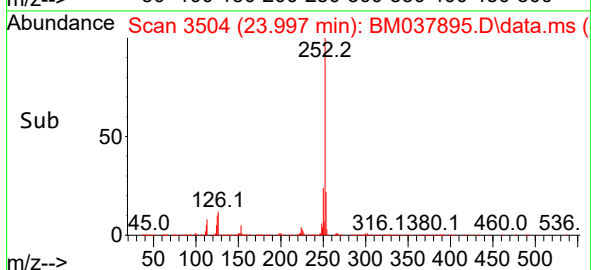
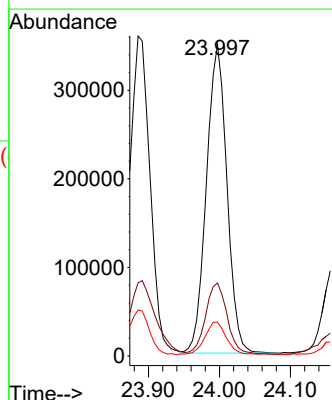
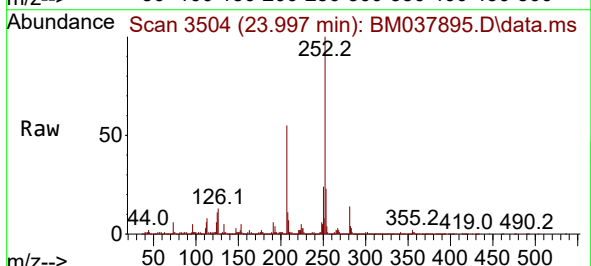
Tgt Ion:252 Resp: 700224

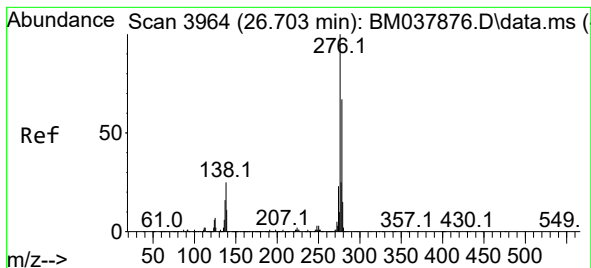
Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.0

125 10.9 9.4 14.0





#94

Indeno(1,2,3-cd)pyrene

Concen: 6.289 ng/ul

RT: 26.697 min Scan# 3963

Delta R.T. -0.012 min

Lab File: BM037895.D

Acq: 08 Dec 2022 20:17

Instrument :

BNA_M

ClientSampleId :

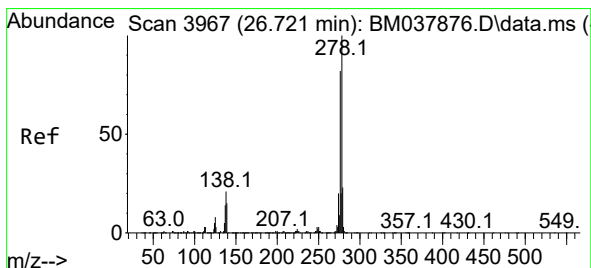
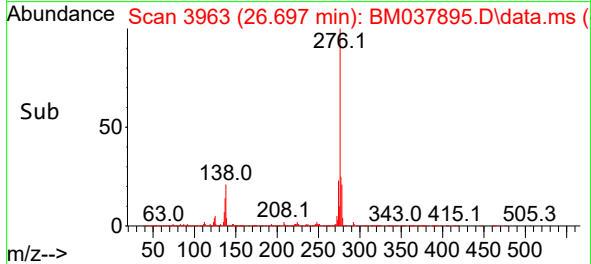
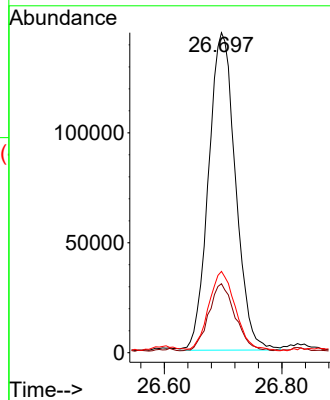
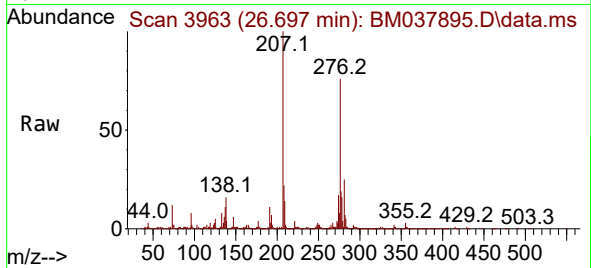
Tgt Ion:276 Resp: 460419

Ion Ratio Lower Upper

276 100

138 21.5 19.3 28.9

277 25.4 19.8 29.8



#95

Dibenzo(a,h)anthracene

Concen: 1.967 ng/ul

RT: 26.703 min Scan# 3964

Delta R.T. -0.024 min

Lab File: BM037895.D

Acq: 08 Dec 2022 20:17

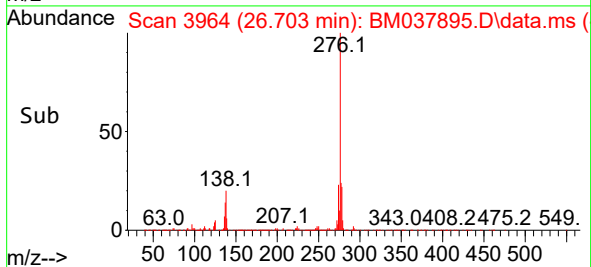
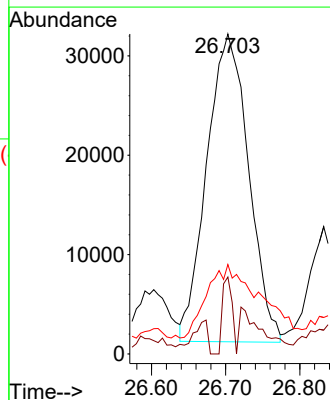
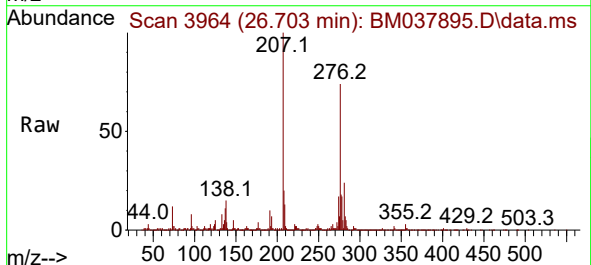
Tgt Ion:278 Resp: 121417

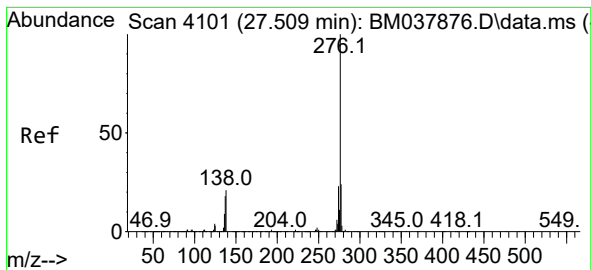
Ion Ratio Lower Upper

278 100

139 28.0 12.4 18.6#

279 27.9 19.8 29.6





#96

Benzo(g,h,i)perylene

Concen: 6.140 ng/ul

RT: 27.503 min Scan# 41

Delta R.T. -0.012 min

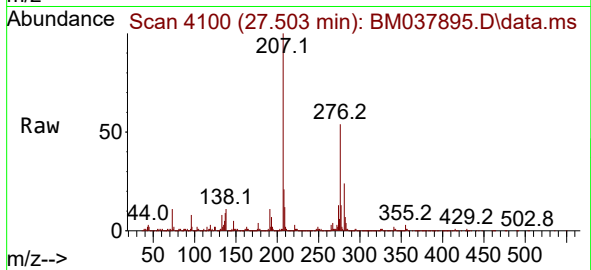
Lab File: BM037895.D

Acq: 08 Dec 2022 20:17

Instrument :

BNA_M

ClientSampleId :



Tgt Ion:276 Resp: 358922

Ion Ratio Lower Upper

276 100

138 20.2 17.1 25.7

277 23.4 18.2 27.4

