

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060424\
 Data File : BM045858.D
 Acq On : 05 Jun 2024 20:15
 Operator : MA/JU
 Sample : P2586-02DL 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

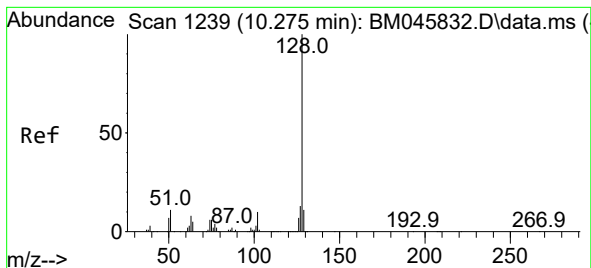
Instrument :
 BNA_M
 ClientSampleId :
 A4D15DL

Quant Time: Jun 06 01:13:34 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM053124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 31 13:01:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.463	152	275321	20.000	ng/u1	0.00
20) Naphthalene-d8	10.234	136	1069815	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.104	164	602339	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.851	188	1110343	20.000	ng/u1	0.00
79) Chrysene-d12	21.062	240	959618	20.000	ng/u1	0.00
88) Perylene-d12	23.786	264	1098097	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.058	96	3800	0.535	ng/uL	0.00
4) Pyridine-d5	3.481	84	586	0.032	ng/u1	0.01
7) Phenol-d5	6.722	99	65932	2.819	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.834	67	47260	2.814	ng/u1	0.00
11) 2-Chlorophenol-d4	7.028	132	55352	3.168	ng/u1	0.00
15) 4-Methylphenol-d8	8.240	113	47140	2.668	ng/u1	0.00
21) Nitrobenzene-d5	8.634	128	25599	3.060	ng/u1	0.00
24) 2-Nitrophenol-d4	9.345	143	23347	2.758	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.898	165	44614	2.810	ng/u1	0.00
31) 4-Chloroaniline-d4	10.434	131	23706	1.079	ng/u1	0.01
46) Dimethylphthalate-d6	13.563	166	137126	3.288	ng/u1	0.00
49) Acenaphthylene-d8	13.798	160	150684	3.112	ng/u1	0.00
54) 4-Nitrophenol-d4	14.380	143	73	0.008	ng/u1	-0.02
60) Fluorene-d10	15.104	176	114560	3.220	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.251	200	5760	1.016	ng/u1	0.00
73) Anthracene-d10	16.951	188	158293	3.279	ng/u1	0.00
81) Pyrene-d10	19.251	212	173871	2.914	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.597	264	125351	2.442	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.281	128	145900	2.558	ng/u1	99
36) 2-Methylnaphthalene	11.904	142	49823	1.319	ng/u1	95
37) 1-Methylnaphthalene	12.128	142	45508	1.205	ng/u1	100
50) Acenaphthylene	13.827	152	163363	2.915	ng/u1	98
52) Acenaphthene	14.175	153	67276	1.799	ng/u1	98
56) Dibenzofuran	14.516	168	131338	2.604	ng/u1	97
61) Fluorene	15.163	166	100591	2.475	ng/u1	97
72) Phenanthrene	16.892	178	2832855	48.420	ng/u1	99
74) Anthracene	16.986	178	264498	4.526	ng/u1	98
77) Carbazole	17.274	167	311992	6.257	ng/u1	100
80) Fluoranthene	18.915	202	3615623	49.976	ng/u1	99
82) Pyrene	19.280	202	2187812	29.433	ng/u1	100
85) Benzo(a)anthracene	21.045	228	672563	10.150	ng/u1	96
87) Chrysene	21.103	228	957587	15.622	ng/u1	98
90) Benzo(b)fluoranthene	22.939	252	912816	13.527	ng/u1	99
91) Benzo(k)fluoranthene	22.939	252	912816	13.849	ng/u1	97
93) Benzo(a)pyrene	23.656	252	291949	4.923	ng/u1	94
94) Indeno(1,2,3-cd)pyrene	26.780	276	244395	3.774	ng/u1	98
95) Dibenzo(a,h)anthracene	26.821	278	81752	1.596	ng/u1	93

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



#30

Naphthalene

Concen: 2.558 ng/ul

RT: 10.281 min Scan# 1239

Delta R.T. -0.006 min

Lab File: BM045858.D

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ClientSampleId :

A4D15DL

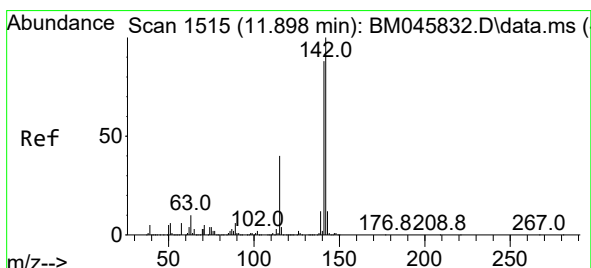
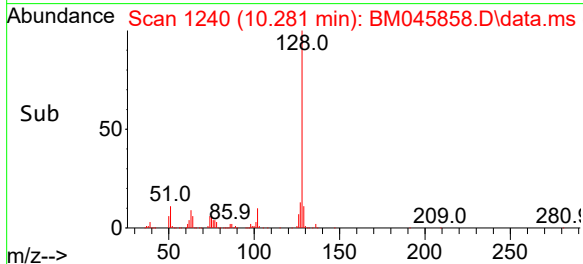
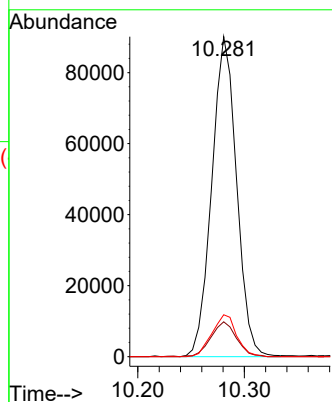
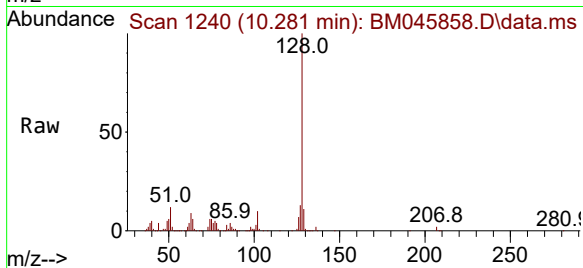
Tgt Ion:128 Resp: 145900

Ion Ratio Lower Upper

128 100

129 10.9 8.3 12.5

127 13.1 10.3 15.5



#36

2-Methylnaphthalene

Concen: 1.319 ng/ul

RT: 11.904 min Scan# 1516

Delta R.T. 0.000 min

Lab File: BM045858.D

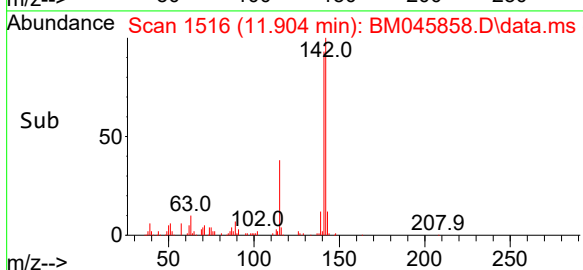
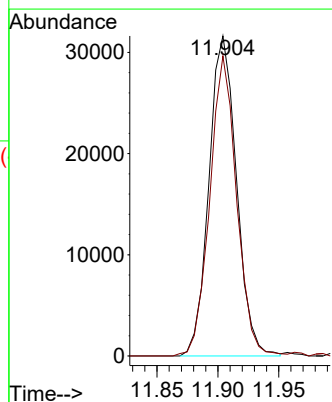
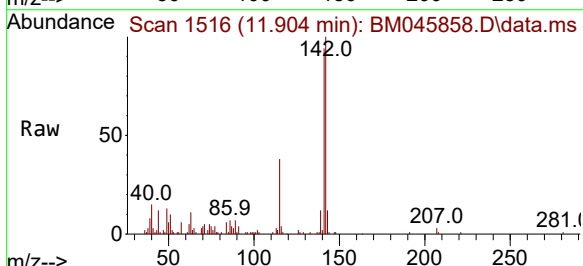
Acq: 05 Jun 2024 20:15

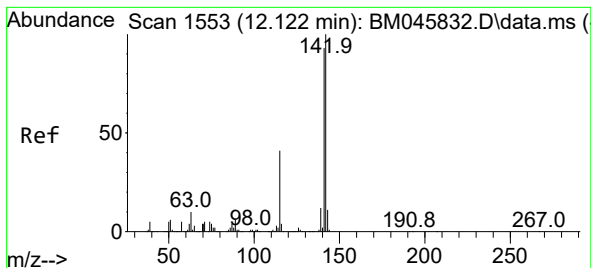
Tgt Ion:142 Resp: 49823

Ion Ratio Lower Upper

142 100

141 93.7 71.1 106.7





#37

1-Methylnaphthalene

Concen: 1.205 ng/ul

RT: 12.128 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM045858.D

Acq: 05 Jun 2024 20:15

Instrument :

BNA_M

ClientSampleId :

A4D15DL

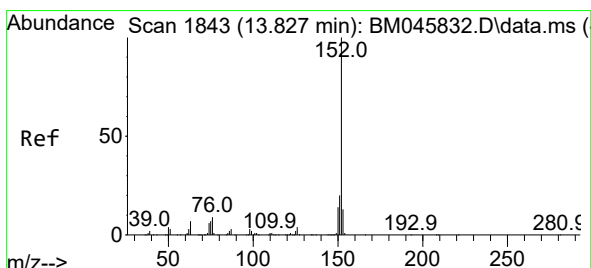
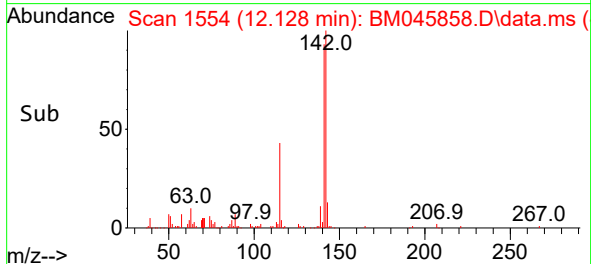
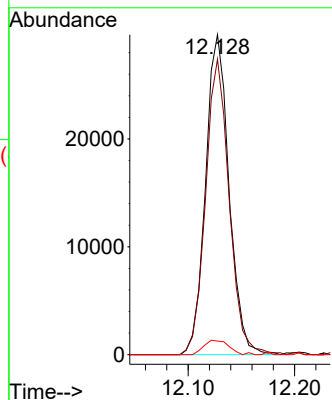
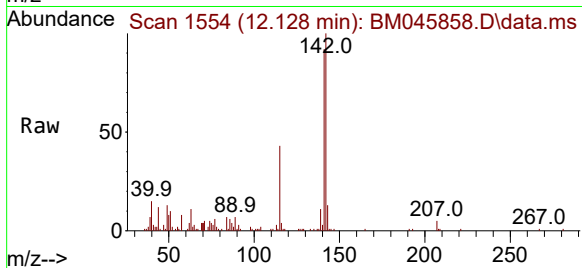
Tgt Ion:142 Resp: 45508

Ion Ratio Lower Upper

142 100

141 92.4 73.5 110.3

116 4.2 3.3 4.9



#50

Acenaphthylene

Concen: 2.915 ng/ul

RT: 13.827 min Scan# 1843

Delta R.T. -0.006 min

Lab File: BM045858.D

Acq: 05 Jun 2024 20:15

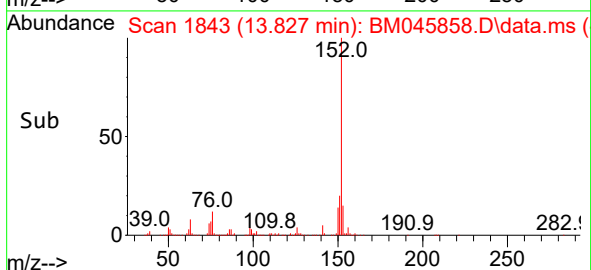
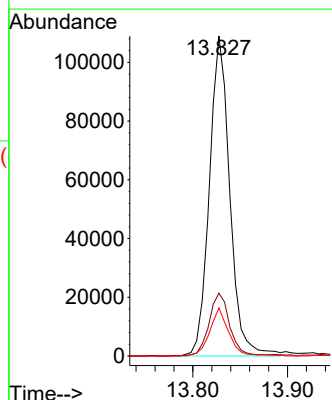
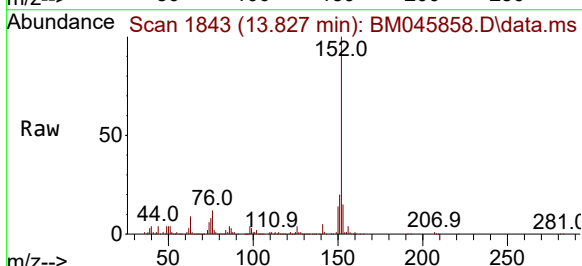
Tgt Ion:152 Resp: 163363

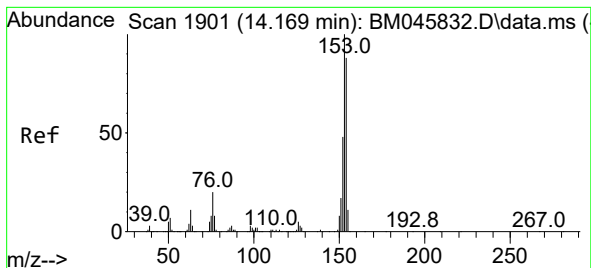
Ion Ratio Lower Upper

152 100

151 19.6 15.6 23.4

153 15.0 10.4 15.6





#52

Acenaphthene

Concen: 1.799 ng/ul

RT: 14.175 min Scan# 1901

Delta R.T. 0.000 min

Lab File: BM045858.D

Acq: 05 Jun 2024 20:15

Instrument :

BNA_M

ClientSampleId :

A4D15DL

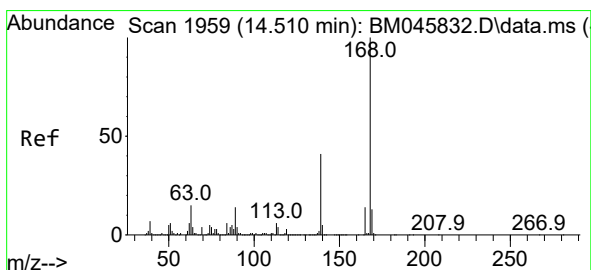
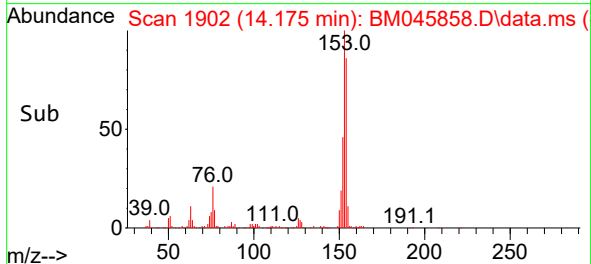
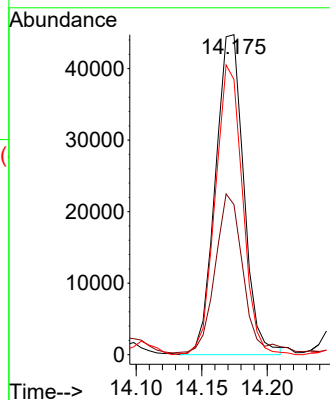
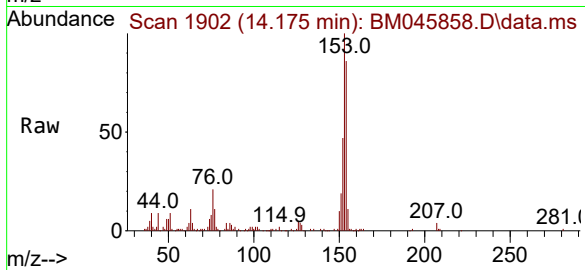
Tgt Ion:153 Resp: 67276

Ion Ratio Lower Upper

153 100

152 46.9 38.6 58.0

154 86.0 70.7 106.1



#56

Dibenzofuran

Concen: 2.604 ng/ul

RT: 14.516 min Scan# 1960

Delta R.T. 0.000 min

Lab File: BM045858.D

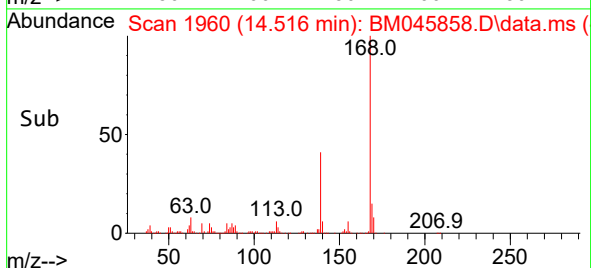
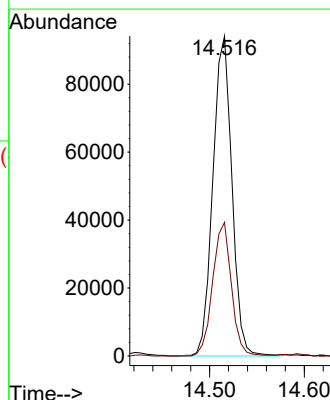
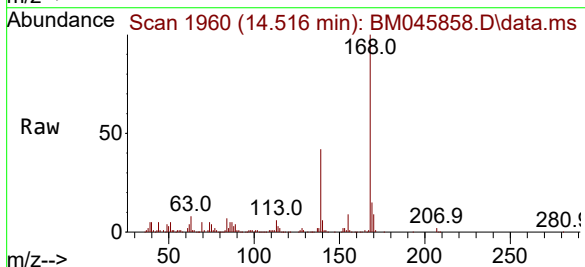
Acq: 05 Jun 2024 20:15

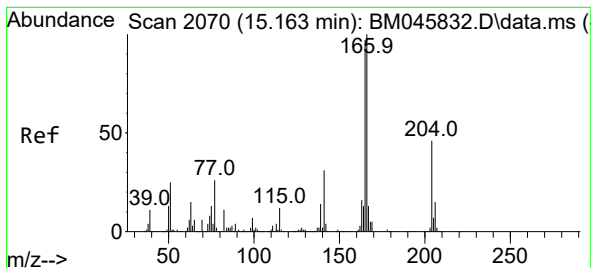
Tgt Ion:168 Resp: 131338

Ion Ratio Lower Upper

168 100

139 41.8 32.2 48.2





#61

Fluorene

Concen: 2.475 ng/ul

RT: 15.163 min Scan# 2070

Delta R.T. 0.000 min

Lab File: BM045858.D

Acq: 05 Jun 2024 20:15

Instrument :

BNA_M

ClientSampleId :

A4D15DL

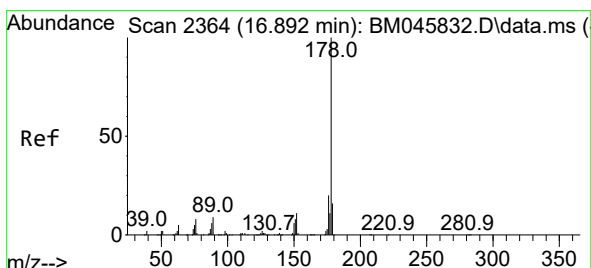
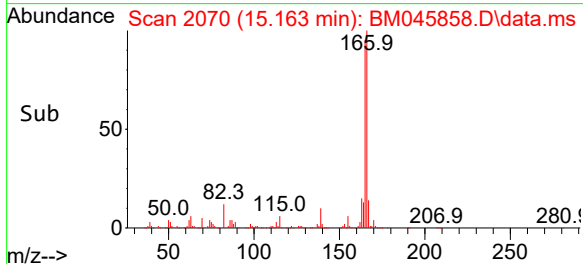
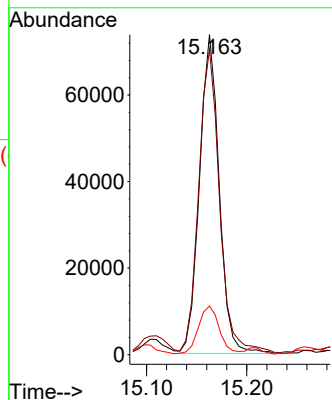
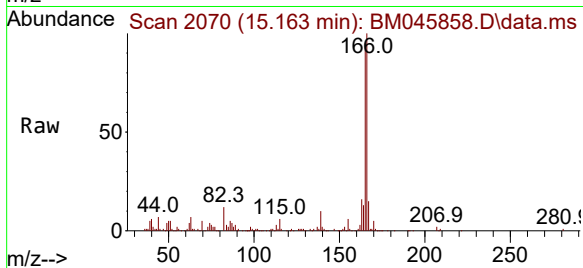
Tgt Ion:166 Resp: 100591

Ion Ratio Lower Upper

166 100

165 95.4 78.1 117.1

167 15.2 10.6 16.0



#72

Phenanthrene

Concen: 48.420 ng/ul

RT: 16.892 min Scan# 2364

Delta R.T. -0.006 min

Lab File: BM045858.D

Acq: 05 Jun 2024 20:15

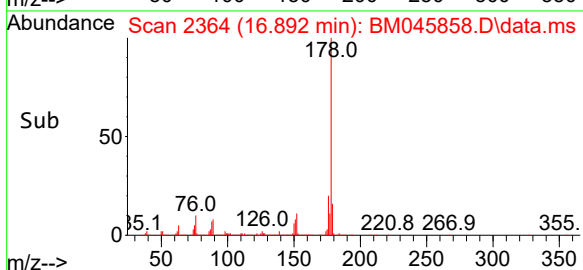
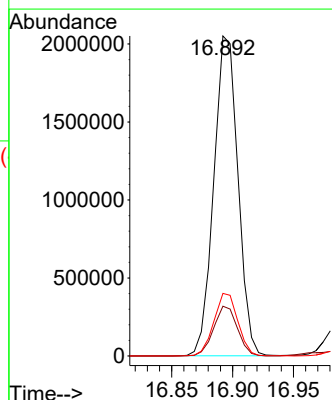
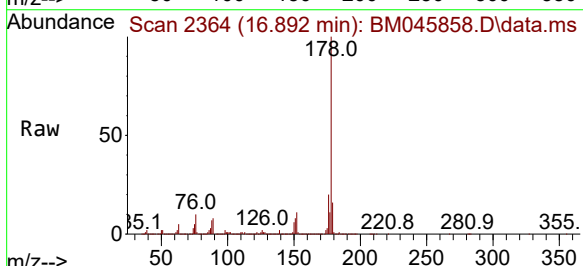
Tgt Ion:178 Resp: 2832855

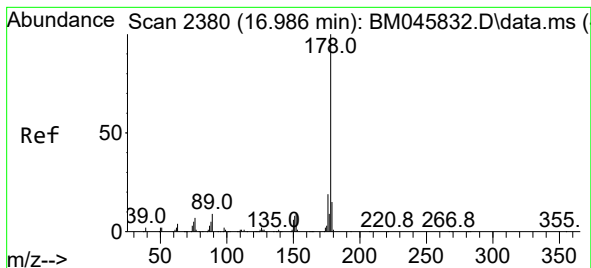
Ion Ratio Lower Upper

178 100

179 15.6 12.4 18.6

176 19.6 15.3 22.9





#74

Anthracene

Concen: 4.526 ng/ul

RT: 16.986 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM045858.D

Acq: 05 Jun 2024 20:15

Instrument :

BNA_M

ClientSampleId :

A4D15DL

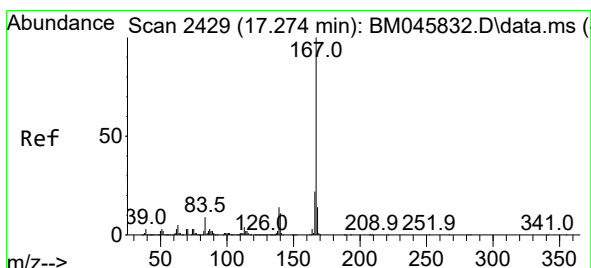
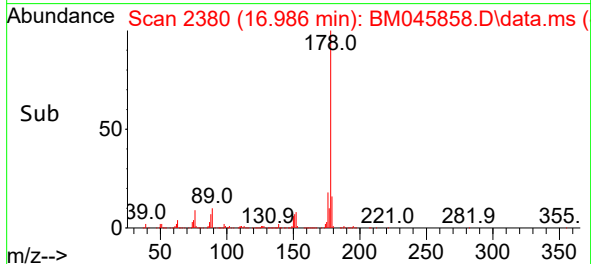
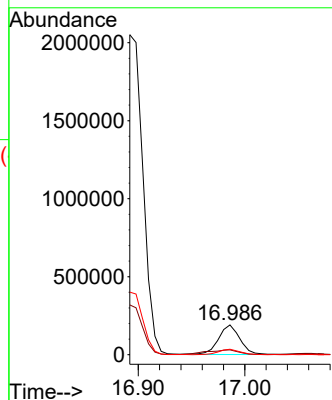
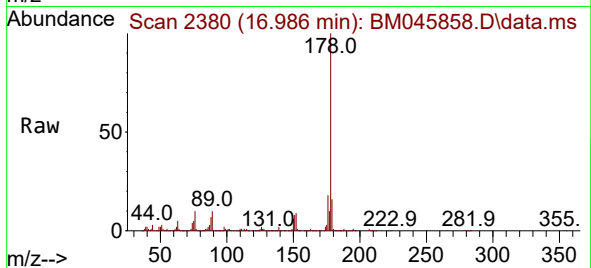
Tgt Ion:178 Resp: 264498

Ion Ratio Lower Upper

178 100

179 16.4 12.0 18.0

176 18.1 15.0 22.6



#77

Carbazole

Concen: 6.257 ng/ul

RT: 17.274 min Scan# 2429

Delta R.T. -0.006 min

Lab File: BM045858.D

Acq: 05 Jun 2024 20:15

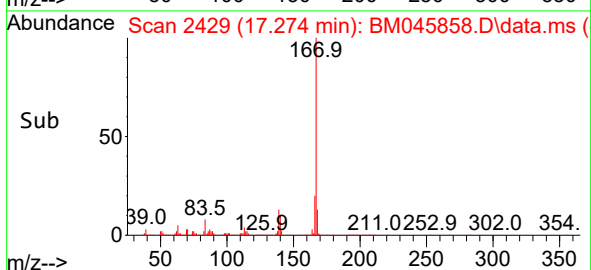
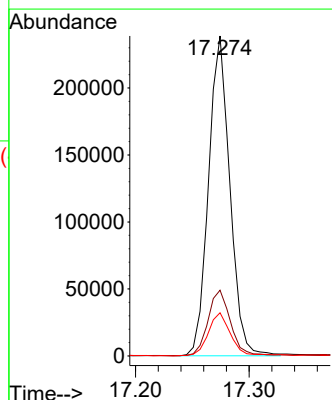
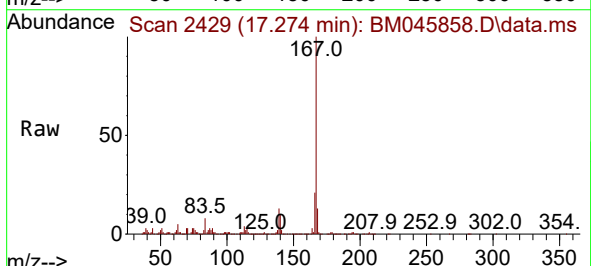
Tgt Ion:167 Resp: 311992

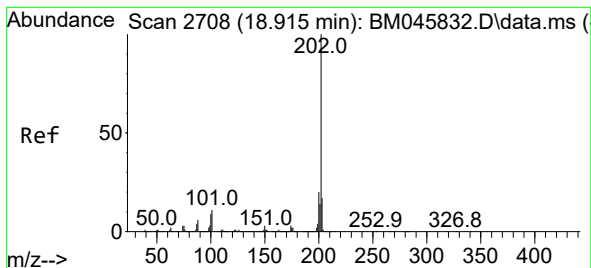
Ion Ratio Lower Upper

167 100

166 20.6 16.6 24.8

139 13.5 10.6 16.0





#80

Fluoranthene

Concen: 49.976 ng/ul

RT: 18.915 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM045858.D

Acq: 05 Jun 2024 20:15

Instrument :

BNA_M

ClientSampleId :

A4D15DL

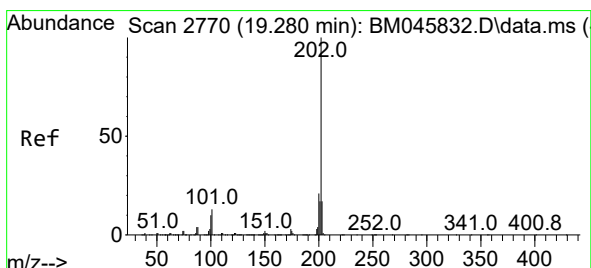
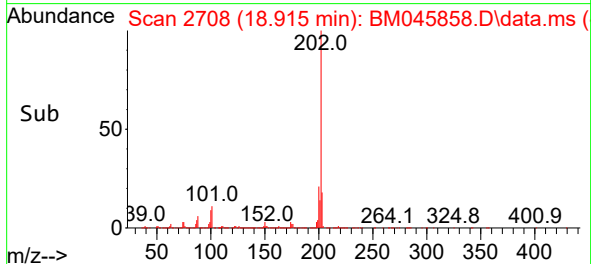
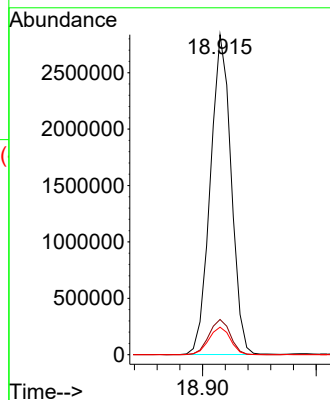
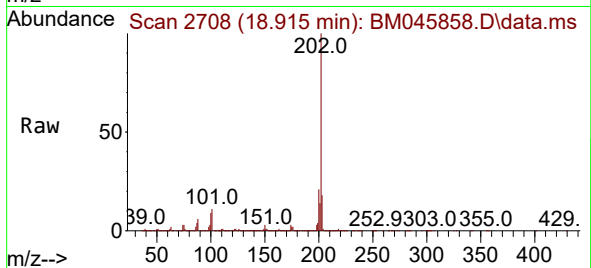
Tgt Ion:202 Resp: 3615623

Ion Ratio Lower Upper

202 100

101 11.0 8.9 13.3

100 8.6 6.6 10.0



#82

Pyrene

Concen: 29.433 ng/ul

RT: 19.280 min Scan# 2770

Delta R.T. -0.006 min

Lab File: BM045858.D

Acq: 05 Jun 2024 20:15

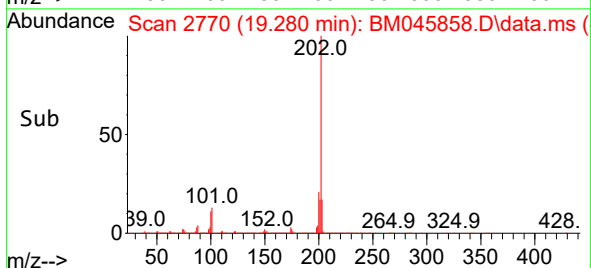
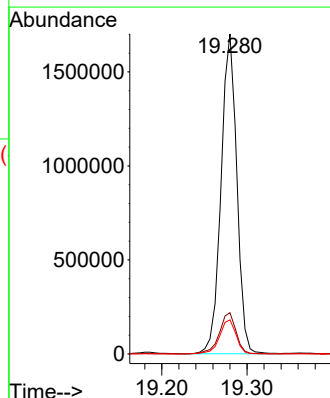
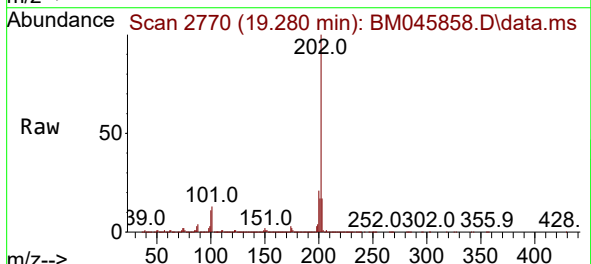
Tgt Ion:202 Resp: 2187812

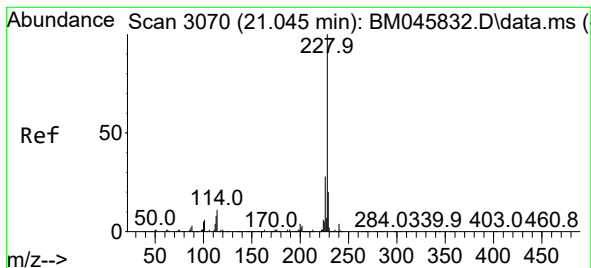
Ion Ratio Lower Upper

202 100

101 12.9 10.5 15.7

100 10.7 8.6 12.8





#85

Benzo(a)anthracene

Concen: 10.150 ng/ul

RT: 21.045 min Scan# 3070

Delta R.T. -0.006 min

Lab File: BM045858.D

Acq: 05 Jun 2024 20:15

Instrument :

BNA_M

ClientSampleId :

A4D15DL

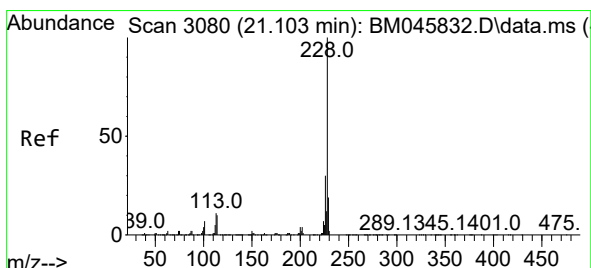
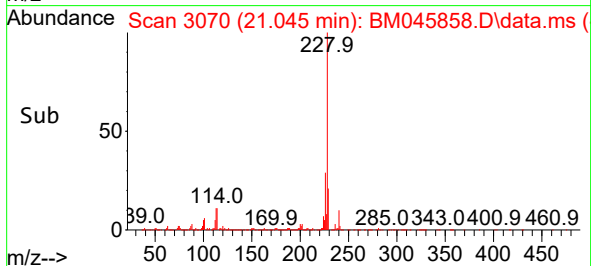
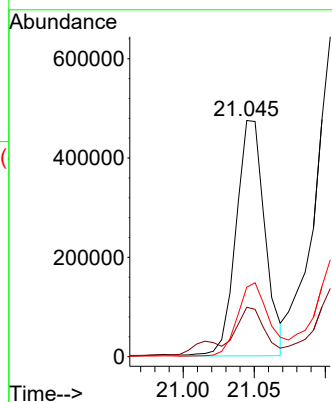
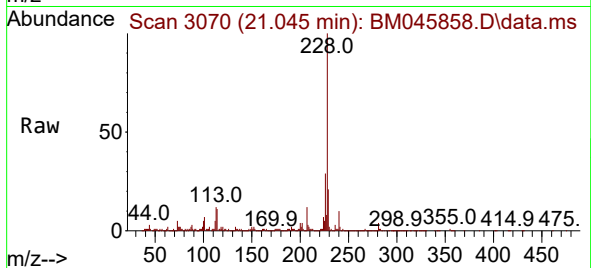
Tgt Ion:228 Resp: 672563

Ion Ratio Lower Upper

228 100

229 21.0 15.8 23.8

226 29.4 21.4 32.0



#87

Chrysene

Concen: 15.622 ng/ul

RT: 21.103 min Scan# 3080

Delta R.T. -0.006 min

Lab File: BM045858.D

Acq: 05 Jun 2024 20:15

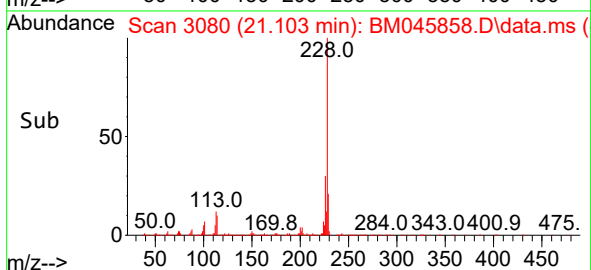
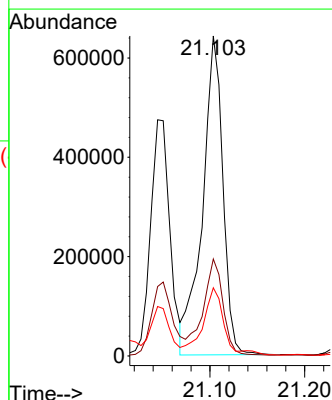
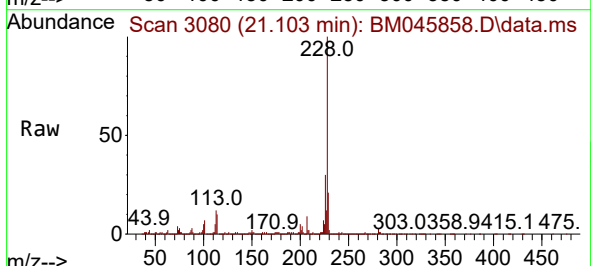
Tgt Ion:228 Resp: 957587

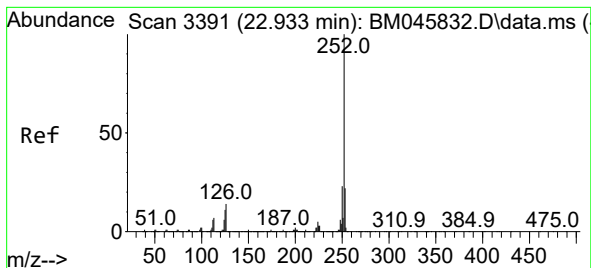
Ion Ratio Lower Upper

228 100

226 30.3 24.2 36.2

229 21.3 15.2 22.8





#90

Benzo(b)fluoranthene

Concen: 13.527 ng/ul

RT: 22.939 min Scan# 3391

Delta R.T. 0.000 min

Lab File: BM045858.D

Acq: 05 Jun 2024 20:15

Instrument :

BNA_M

ClientSampleId :

A4D15DL

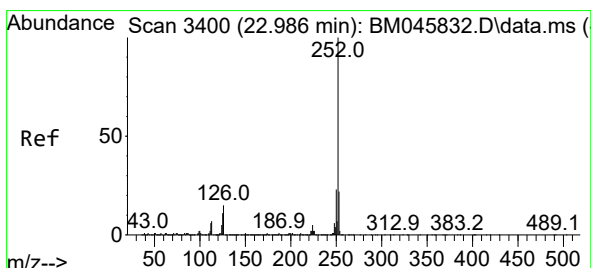
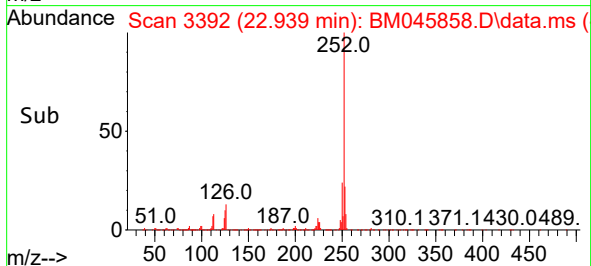
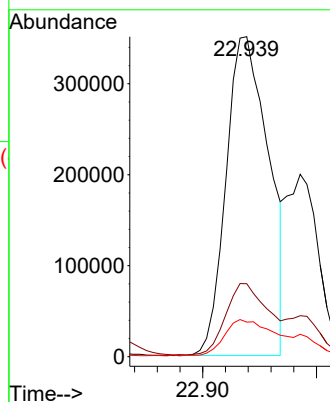
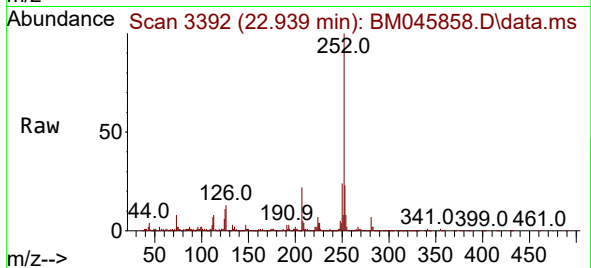
Tgt Ion:252 Resp: 912816

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.6

125 10.8 8.4 12.6



#91

Benzo(k)fluoranthene

Concen: 13.849 ng/ul

RT: 22.939 min Scan# 3392

Delta R.T. -0.059 min

Lab File: BM045858.D

Acq: 05 Jun 2024 20:15

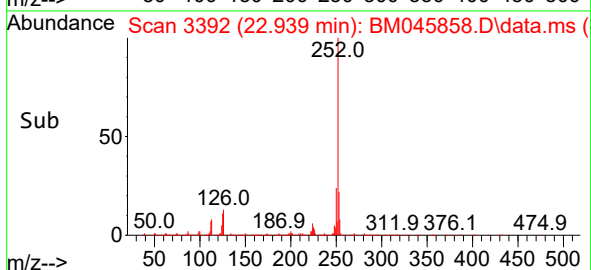
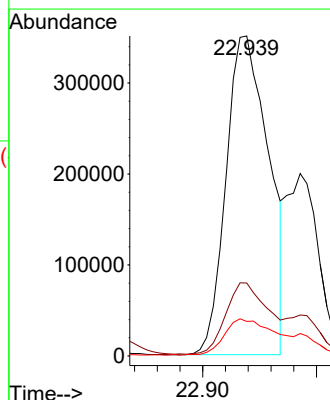
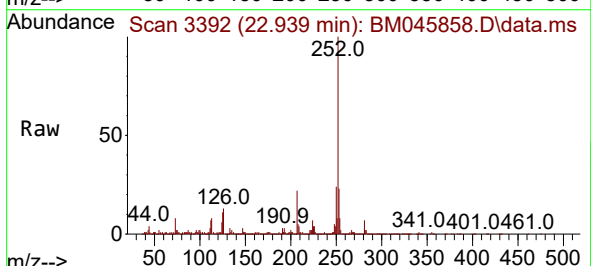
Tgt Ion:252 Resp: 912816

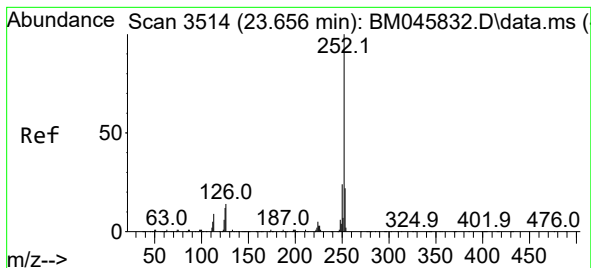
Ion Ratio Lower Upper

252 100

253 22.8 16.8 25.2

125 10.8 8.2 12.4





#93

Benzo(a)pyrene

Concen: 4.923 ng/ul

RT: 23.656 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM045858.D

Acq: 05 Jun 2024 20:15

Instrument :

BNA_M

ClientSampleId :

A4D15DL

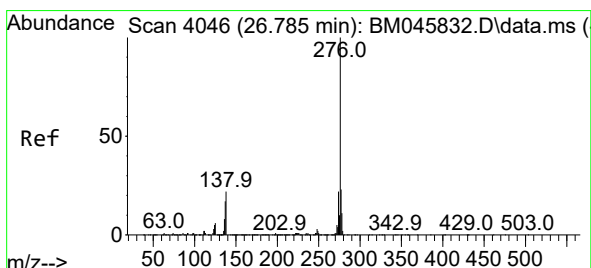
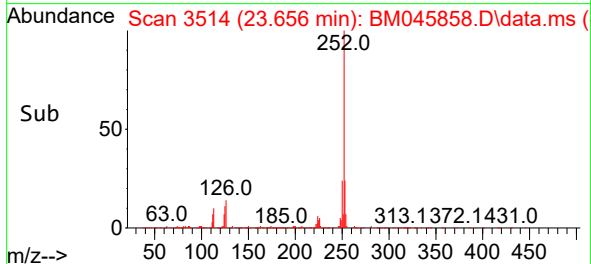
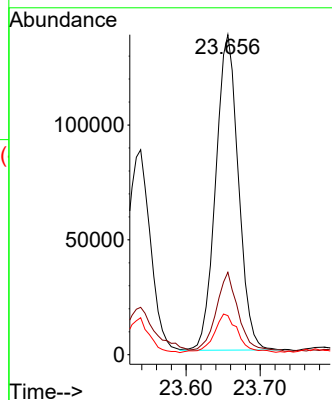
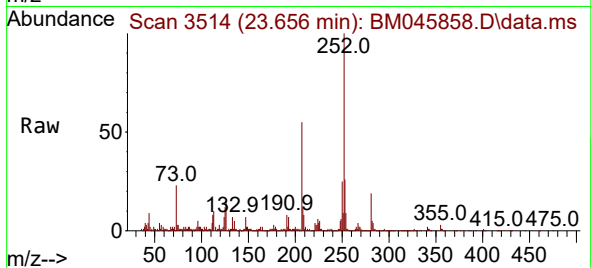
Tgt Ion:252 Resp: 291949

Ion Ratio Lower Upper

252 100

253 25.8 17.5 26.3

125 12.2 9.3 13.9



#94

Indeno(1,2,3-cd)pyrene

Concen: 3.774 ng/ul

RT: 26.780 min Scan# 4045

Delta R.T. -0.012 min

Lab File: BM045858.D

Acq: 05 Jun 2024 20:15

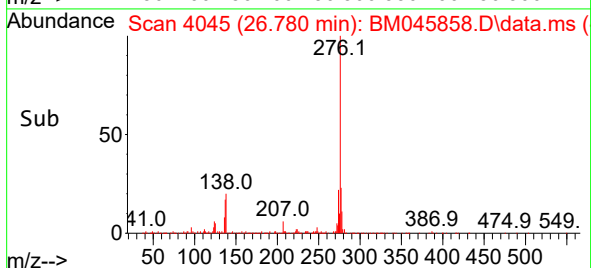
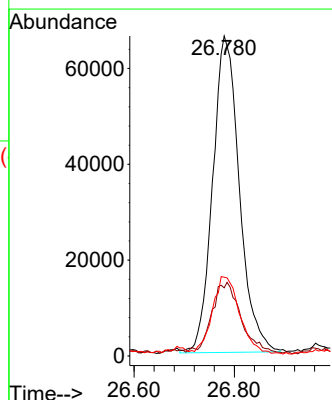
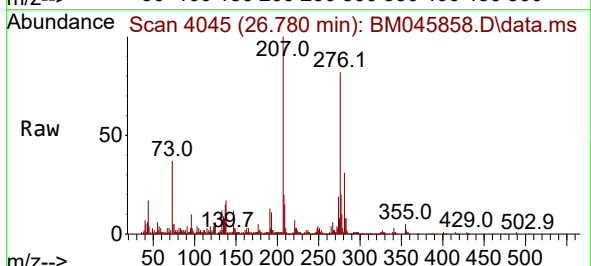
Tgt Ion:276 Resp: 244395

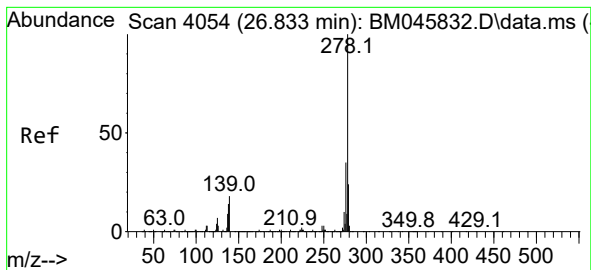
Ion Ratio Lower Upper

276 100

138 21.3 17.9 26.9

277 24.6 19.0 28.6





#95

Dibenzo(a,h)anthracene

Concen: 1.596 ng/ul

RT: 26.821 min Scan# 4052

Delta R.T. -0.018 min

Lab File: BM045858.D

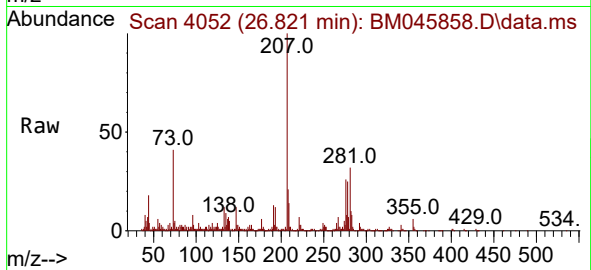
Acq: 05 Jun 2024 20:15

Instrument :

BNA_M

ClientSampleId :

A4D15DL



Tgt Ion:278 Resp: 81752

Ion Ratio Lower Upper

278 100

139 19.3 13.2 19.8

279 27.5 19.1 28.7

