

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032323\
 Data File : BM039132.D
 Acq On : 24 Mar 2023 01:07
 Operator : CG/JU
 Sample : 02029-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OR-2-032123

Quant Time: Mar 24 04:36:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 22 03:36:20 2023
 Response via : Initial Calibration

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

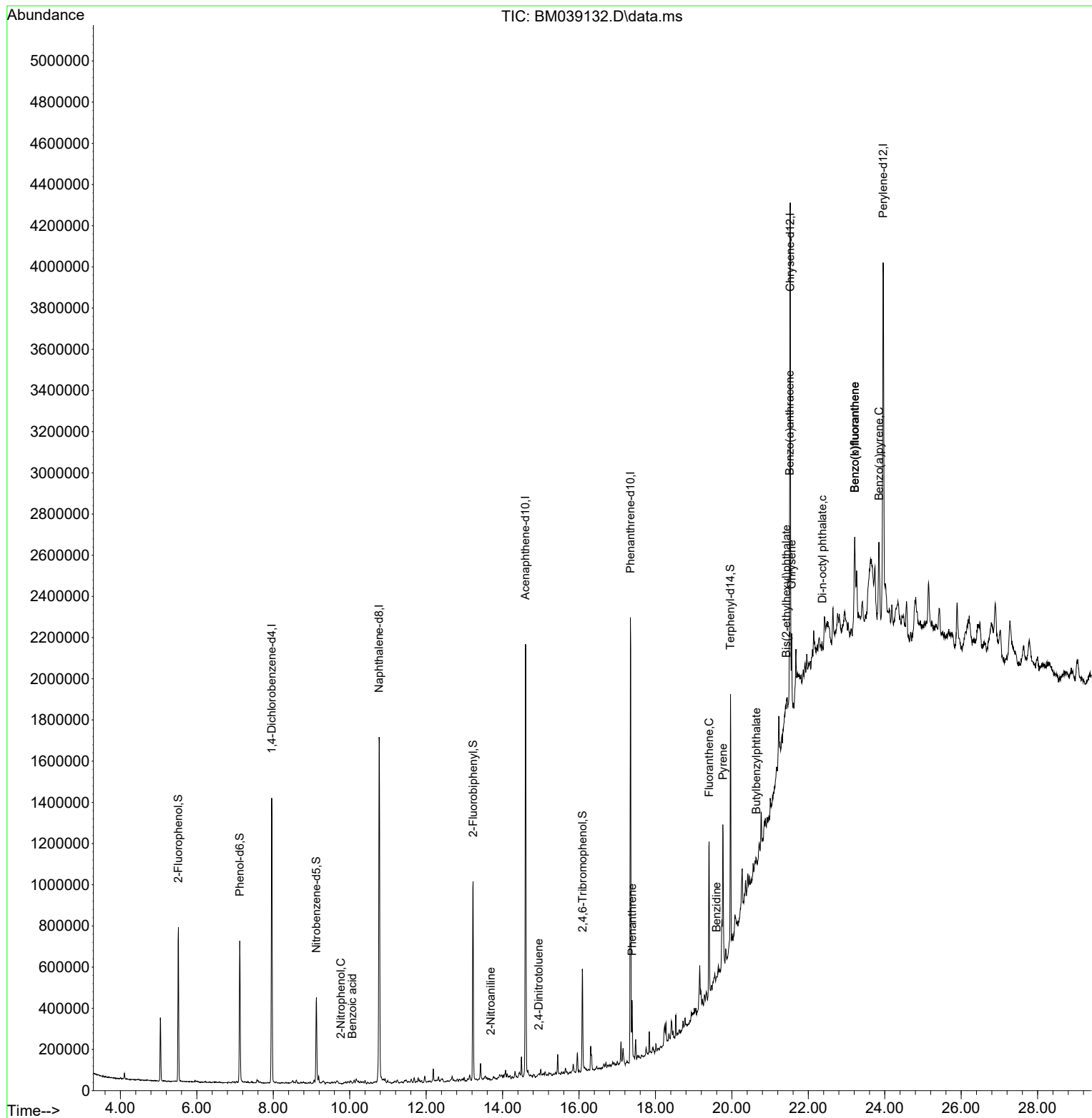
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.957	152	373371	20.000	ng	-0.01
21) Naphthalene-d8	10.769	136	1439018	20.000	ng	-0.01
39) Acenaphthene-d10	14.598	164	733494	20.000	ng	-0.01
64) Phenanthrene-d10	17.345	188	1314848	20.000	ng	0.00
76) Chrysene-d12	21.527	240	1127022	20.000	ng	0.00
86) Perylene-d12	23.956	264	1267145	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	330635	13.454	ng	0.00
7) Phenol-d6	7.122	99	410154	12.849	ng	0.00
23) Nitrobenzene-d5	9.128	82	248302	8.476	ng	-0.01
42) 2,4,6-Tribromophenol	16.092	330	93200	10.984	ng	0.00
45) 2-Fluorobiphenyl	13.227	172	500888	8.890	ng	0.00
79) Terphenyl-d14	19.962	244	566807	9.195	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	9.769	139	62	2.995	ng	# 1
32) Benzoic acid	10.069	122	533	5.760	ng	# 33
48) 2-Nitroaniline	13.692	65	109	2.222	ng	# 48
57) 2,4-Dinitrotoluene	14.945	165	140	2.079	ng	# 70
71) Phenanthrene	17.386	178	165877	2.150	ng	99
75) Fluoranthene	19.404	202	435942	5.350	ng	100
77) Benzidine	19.598	184	297	4.887	ng	# 1
78) Pyrene	19.762	202	406874	4.807	ng	98
80) Butylbenzylphthalate	20.639	149	965	3.341	ng	# 64
81) Benzo(a)anthracene	21.509	228	226314	2.788	ng	94
83) Chrysene	21.562	228	202773	2.569	ng	97
84) Bis(2-ethylhexyl)phtha...	21.427	149	30931	3.049	ng	# 82
85) Di-n-octyl phthalate	22.368	149	4425	3.844	ng	# 67
88) Benzo(b)fluoranthene	23.215	252	272234	3.363	ng	# 82
89) Benzo(k)fluoranthene	23.215	252	272234	3.231	ng	# 82
90) Benzo(a)pyrene	23.850	252	200770	2.577	ng	# 85

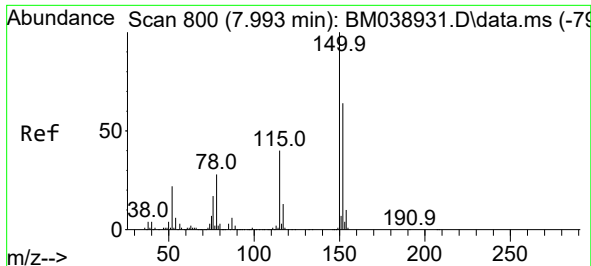
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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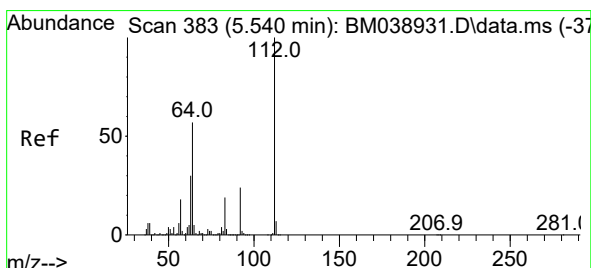
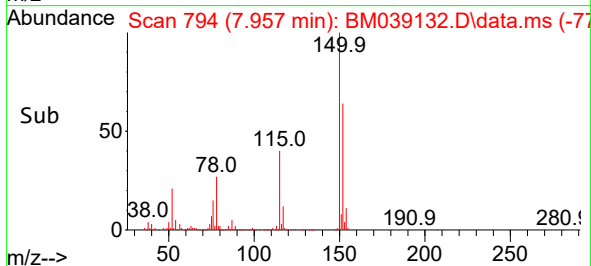
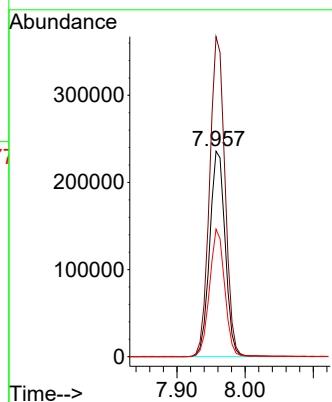
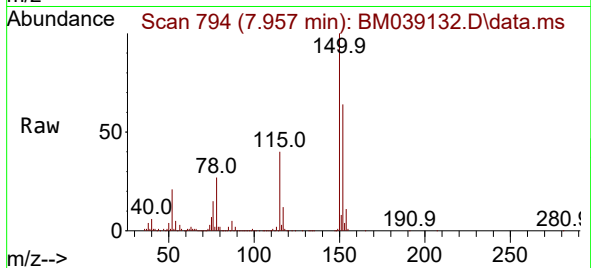




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.957 min Scan# 794
Delta R.T. -0.012 min
Lab File: BM039132.D
Acq: 24 Mar 2023 01:07

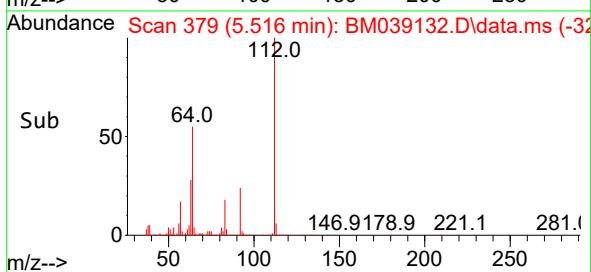
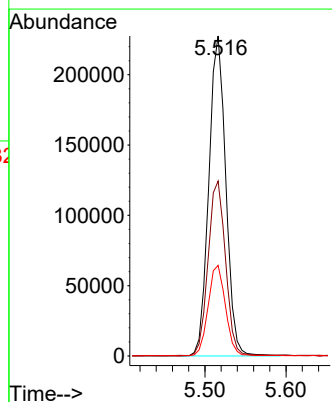
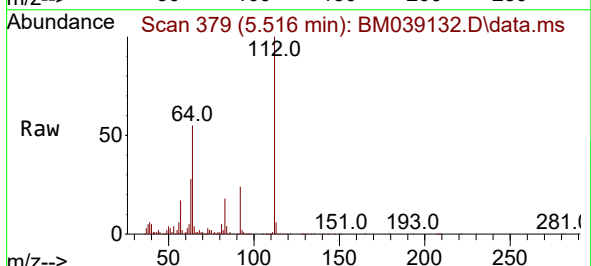
Instrument :
BNA_M
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OR-2-032123

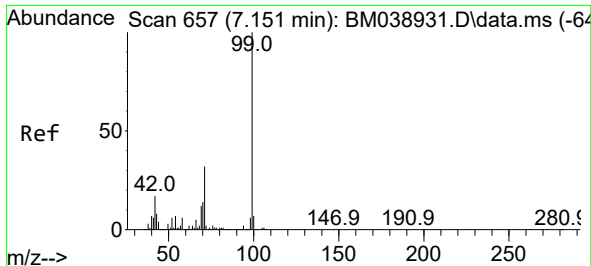
Tgt Ion:152 Resp: 373371
Ion Ratio Lower Upper
152 100
150 155.8 125.1 187.7
115 62.1 49.6 74.4



#5
2-Fluorophenol
Concen: 13.454 ng
RT: 5.516 min Scan# 379
Delta R.T. -0.006 min
Lab File: BM039132.D
Acq: 24 Mar 2023 01:07

Tgt Ion:112 Resp: 330635
Ion Ratio Lower Upper
112 100
64 54.7 45.9 68.9
63 28.3 23.8 35.8

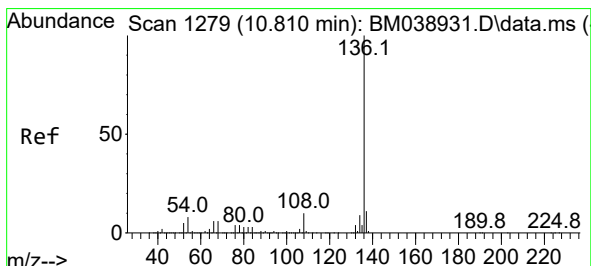
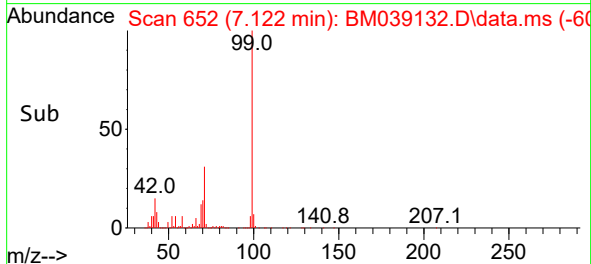
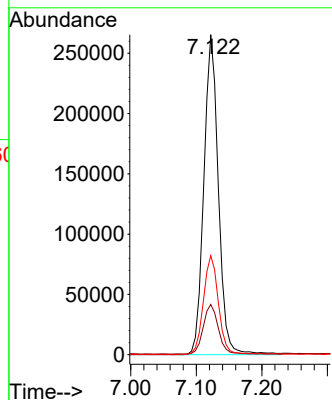
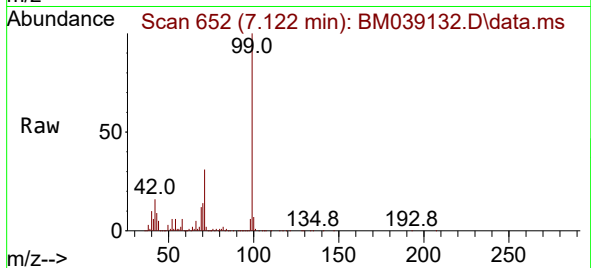




#7
Phenol-d6
Concen: 12.849 ng
RT: 7.122 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM039132.D
Acq: 24 Mar 2023 01:07

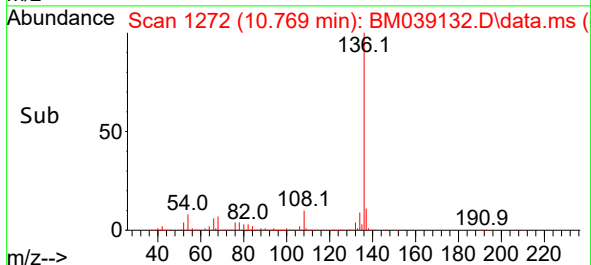
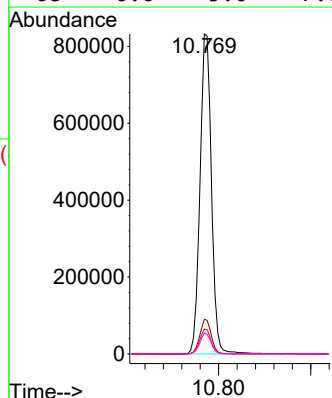
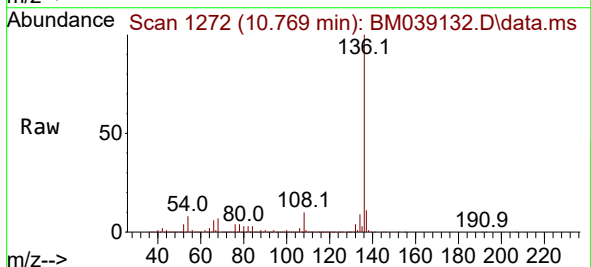
Instrument :
BNA_M
ClientSampleId :
OR-2-032123

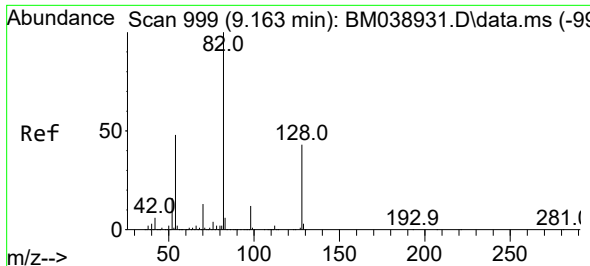
Tgt Ion: 99 Resp: 410154
Ion Ratio Lower Upper
99 100
42 15.7 13.5 20.3
71 31.0 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.769 min Scan# 1272
Delta R.T. -0.012 min
Lab File: BM039132.D
Acq: 24 Mar 2023 01:07

Tgt Ion: 136 Resp: 1439018
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 7.8 6.3 9.5
68 6.6 5.0 7.6

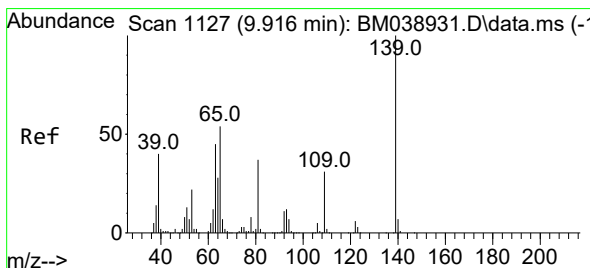
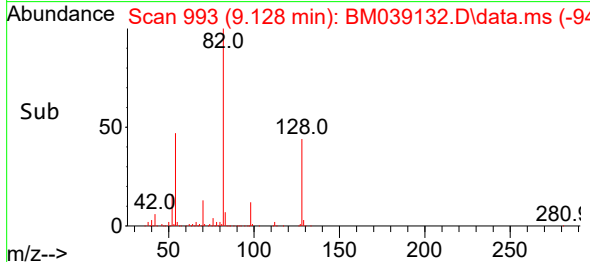
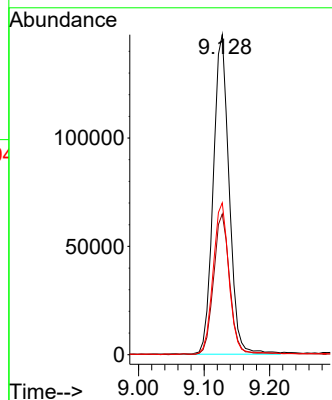
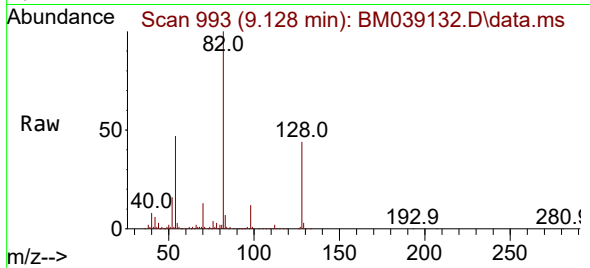




#23
Nitrobenzene-d5
Concen: 8.476 ng
RT: 9.128 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM039132.D
Acq: 24 Mar 2023 01:07

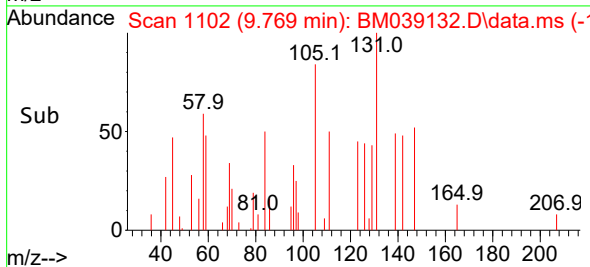
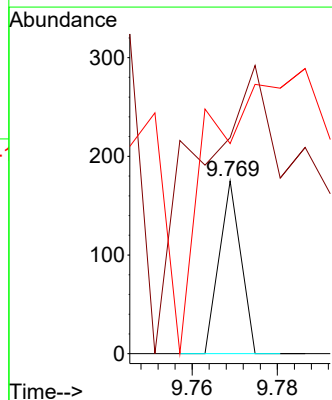
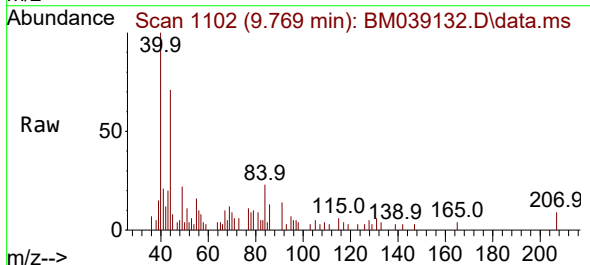
Instrument :
BNA_M
ClientSampleId :
OR-2-032123

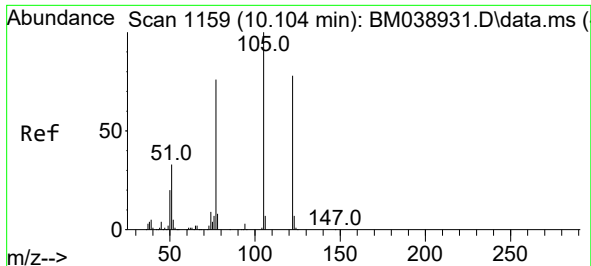
Tgt Ion: 82 Resp: 248302
Ion Ratio Lower Upper
82 100
128 43.9 34.4 51.6
54 47.5 38.8 58.2



#26
2-Nitrophenol
Concen: 2.995 ng
RT: 9.769 min Scan# 1102
Delta R.T. -0.123 min
Lab File: BM039132.D
Acq: 24 Mar 2023 01:07

Tgt Ion:139 Resp: 62
Ion Ratio Lower Upper
139 100
109 125.1 24.5 36.7#
65 121.7 43.0 64.6#

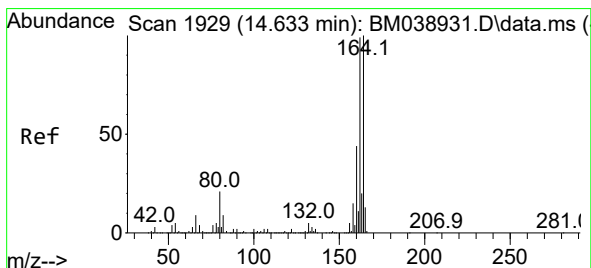
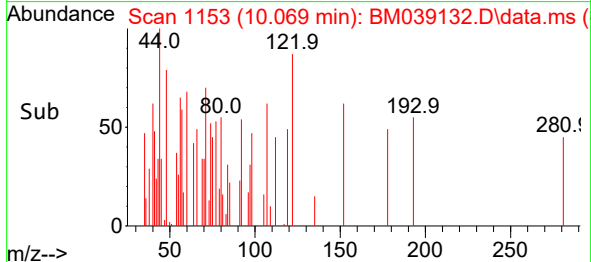
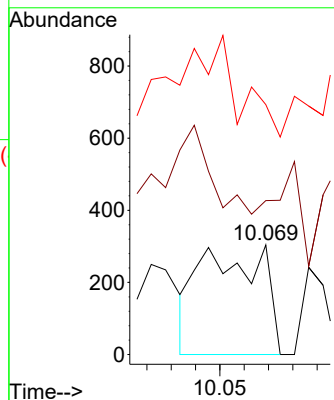
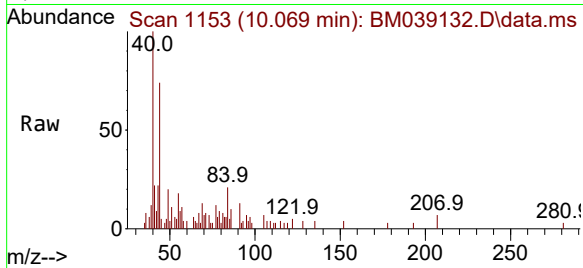




#32
Benzoic acid
Concen: 5.760 ng
RT: 10.069 min Scan# 1153
Delta R.T. -0.018 min
Lab File: BM039132.D
Acq: 24 Mar 2023 01:07

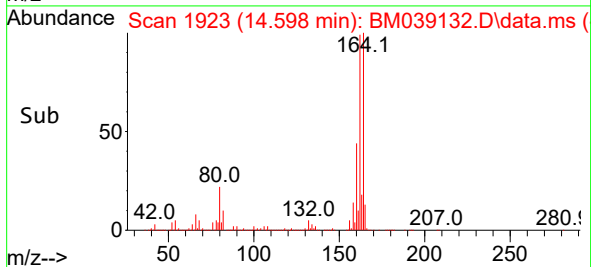
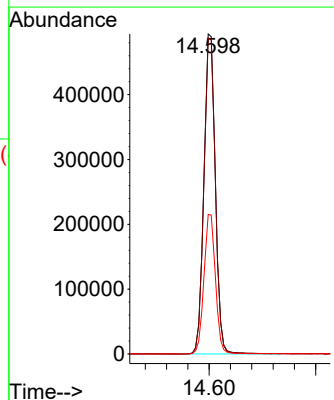
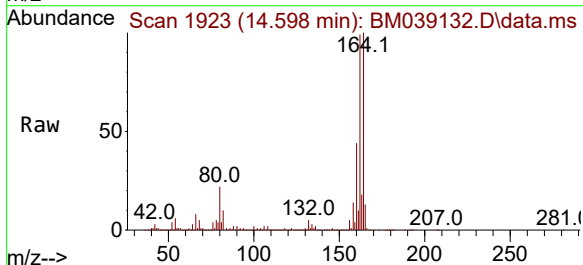
Instrument :
BNA_M
ClientSampleId :
OR-2-032123

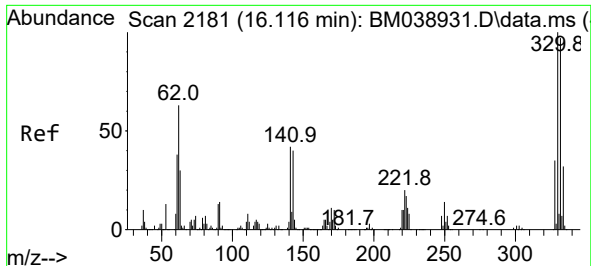
Tgt Ion:122 Resp: 533
Ion Ratio Lower Upper
122 100
105 140.5 104.2 144.2
77 228.0 75.1 115.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.598 min Scan# 1923
Delta R.T. -0.012 min
Lab File: BM039132.D
Acq: 24 Mar 2023 01:07

Tgt Ion:164 Resp: 733494
Ion Ratio Lower Upper
164 100
162 98.7 79.2 118.8
160 43.6 35.5 53.3

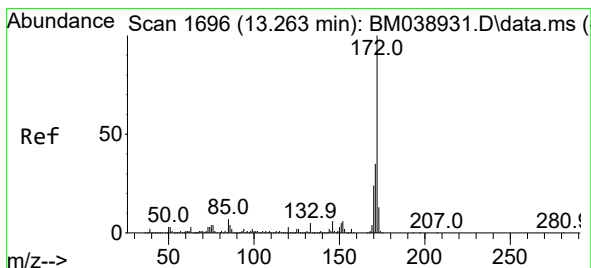
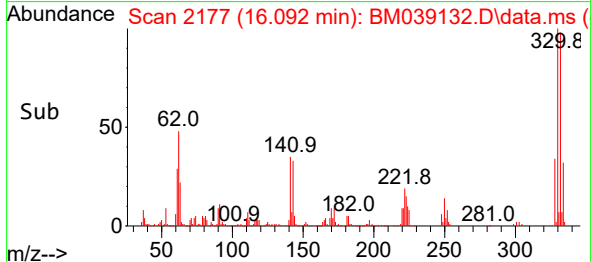
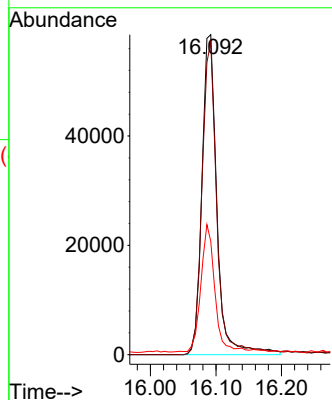
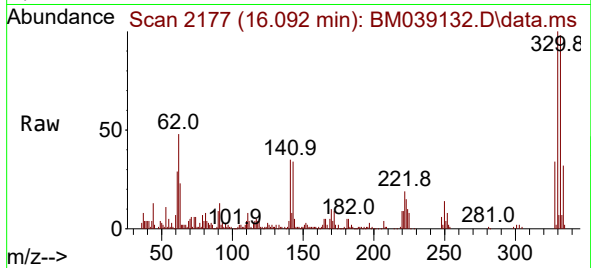




#42
2,4,6-Tribromophenol
Concen: 10.984 ng
RT: 16.092 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BM039132.D
Acq: 24 Mar 2023 01:07

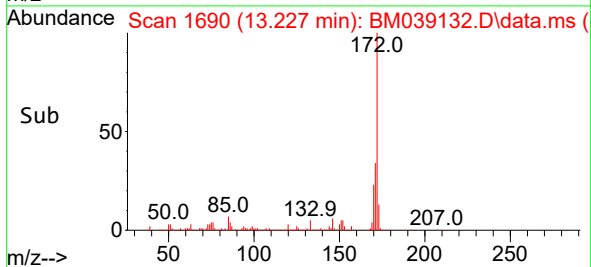
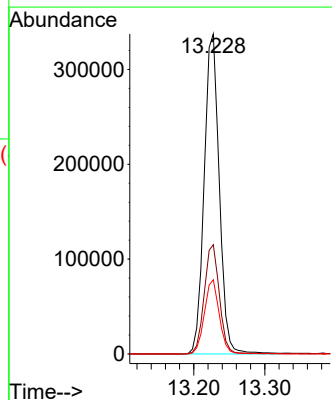
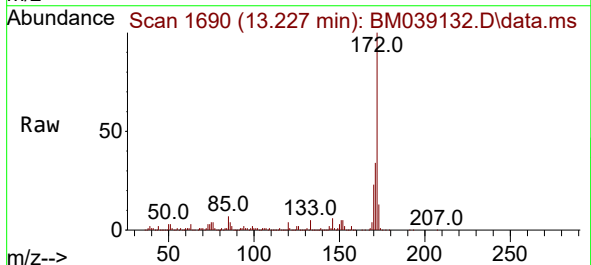
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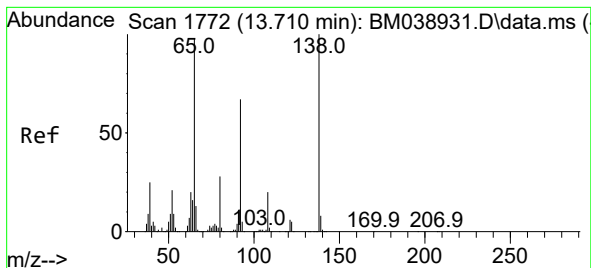
Tgt Ion:330 Resp: 93200
Ion Ratio Lower Upper
330 100
332 96.8 77.4 116.0
141 37.0 32.2 48.4



#45
2-Fluorobiphenyl
Concen: 8.890 ng
RT: 13.227 min Scan# 1690
Delta R.T. -0.006 min
Lab File: BM039132.D
Acq: 24 Mar 2023 01:07

Tgt Ion:172 Resp: 500888
Ion Ratio Lower Upper
172 100
171 34.2 28.2 42.2
170 23.2 19.1 28.7





#48

2-Nitroaniline

Concen: 2.222 ng

RT: 13.692 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM039132.D

Acq: 24 Mar 2023 01:07

Instrument :

BNA_M

ClientSampleId :

OR-2-032123

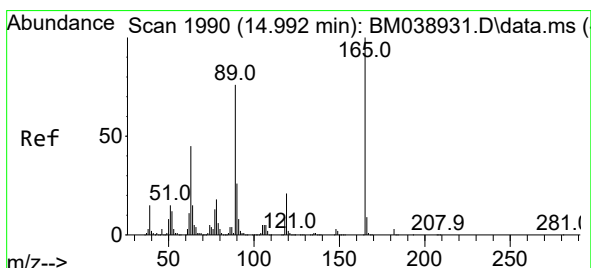
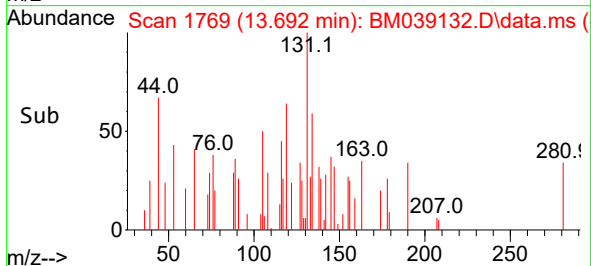
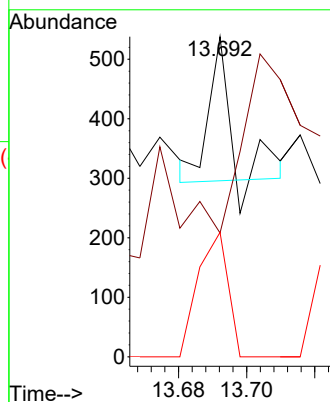
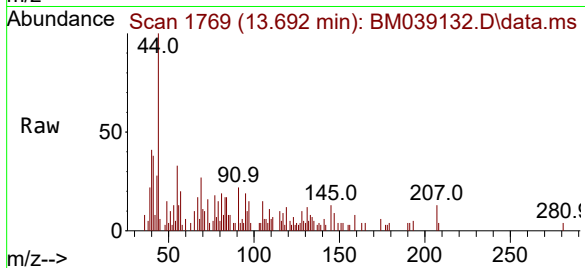
Tgt Ion: 65 Resp: 109

Ion Ratio Lower Upper

65 100

92 38.7 54.9 82.3#

138 38.8 81.6 122.4#



#57

2,4-Dinitrotoluene

Concen: 2.079 ng

RT: 14.945 min Scan# 1982

Delta R.T. -0.023 min

Lab File: BM039132.D

Acq: 24 Mar 2023 01:07

Tgt Ion: 165 Resp: 140

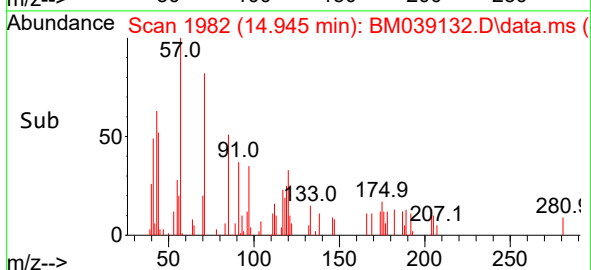
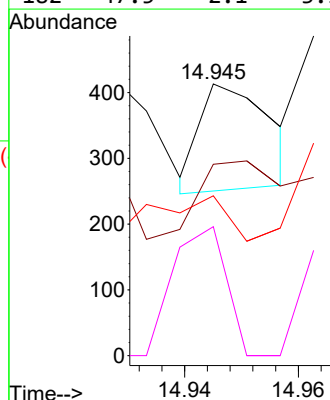
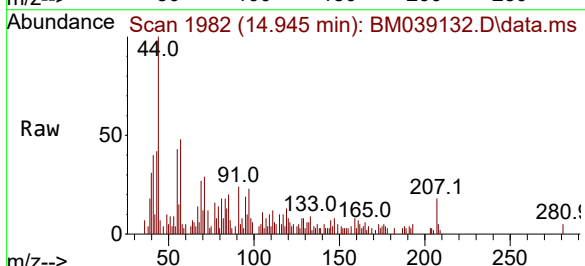
Ion Ratio Lower Upper

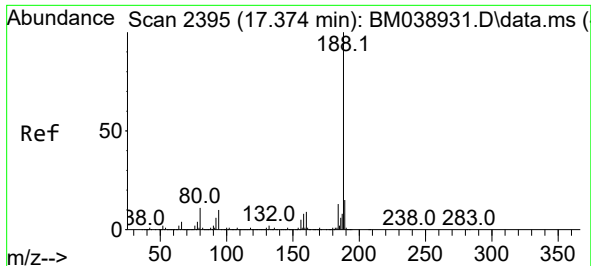
165 100

63 70.5 35.9 53.9#

89 58.8 61.0 91.6#

182 47.5 2.1 3.1#

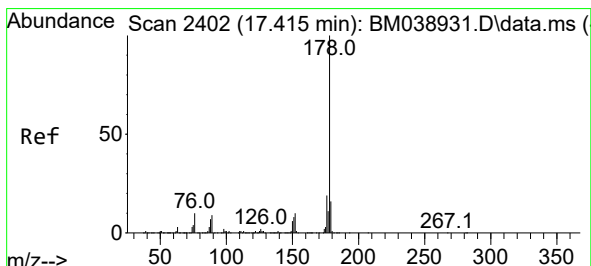
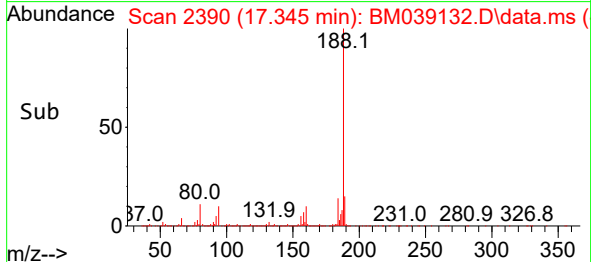
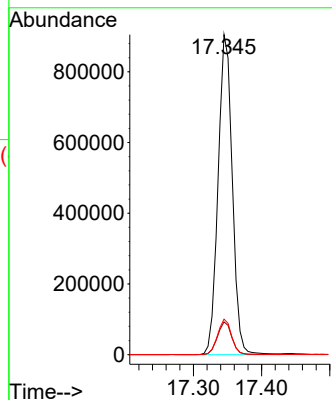
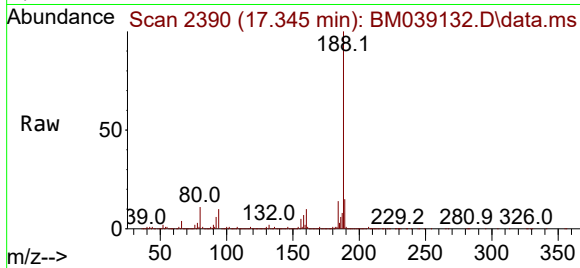




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.345 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM039132.D
Acq: 24 Mar 2023 01:07

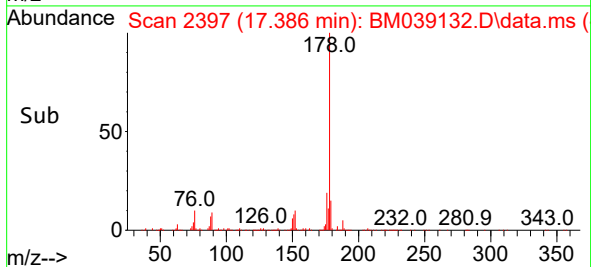
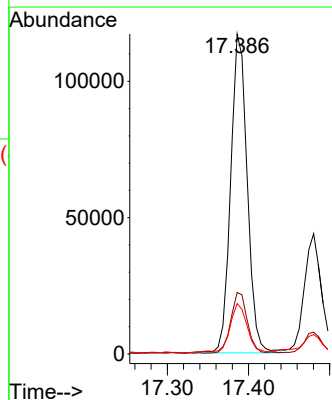
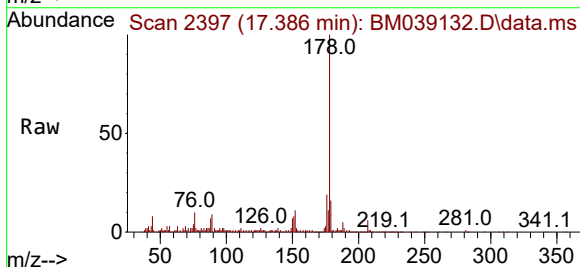
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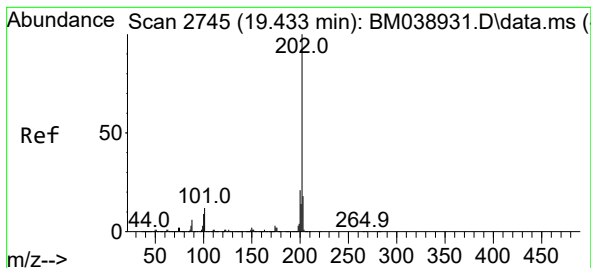
Tgt Ion:188 Resp: 1314848
Ion Ratio Lower Upper
188 100
94 10.2 7.9 11.9
80 11.1 8.5 12.7



#71
Phenanthrene
Concen: 2.150 ng
RT: 17.386 min Scan# 2397
Delta R.T. -0.006 min
Lab File: BM039132.D
Acq: 24 Mar 2023 01:07

Tgt Ion:178 Resp: 165877
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.7 12.5 18.7





#75

Fluoranthene

Concen: 5.350 ng

RT: 19.404 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039132.D

Acq: 24 Mar 2023 01:07

Instrument :

BNA_M

ClientSampleId :

OR-2-032123

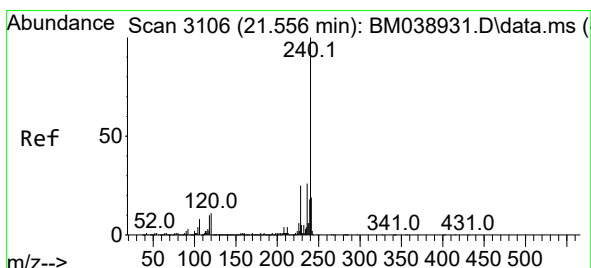
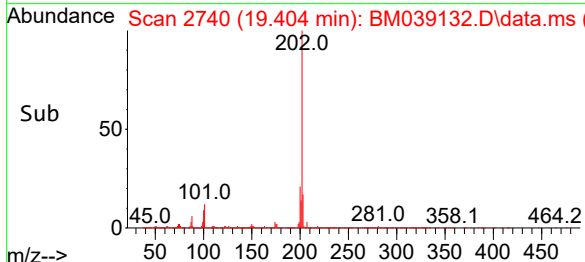
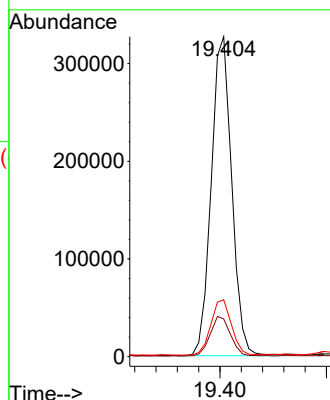
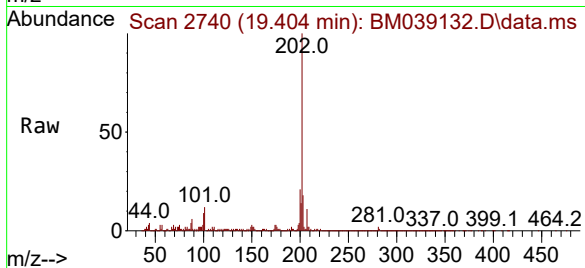
Tgt Ion:202 Resp: 435942

Ion Ratio Lower Upper

202 100

101 11.8 0.0 31.7

203 17.8 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.527 min Scan# 3101

Delta R.T. -0.006 min

Lab File: BM039132.D

Acq: 24 Mar 2023 01:07

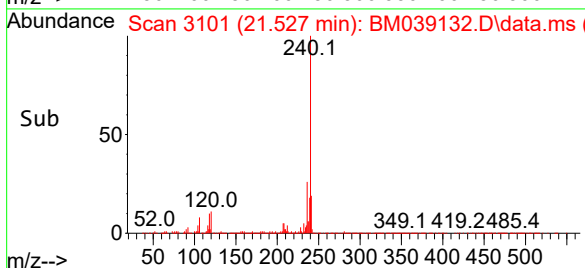
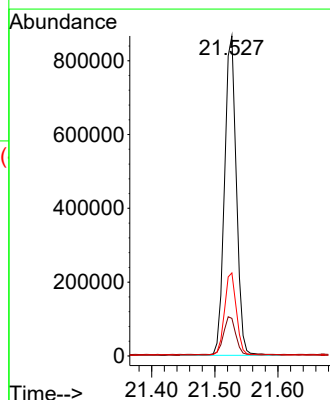
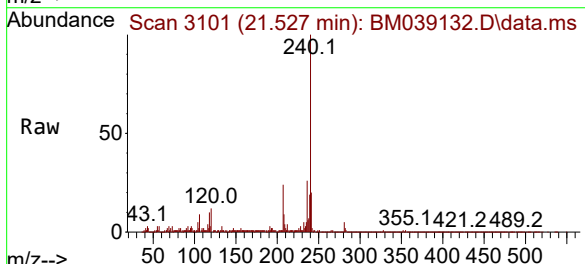
Tgt Ion:240 Resp: 1127022

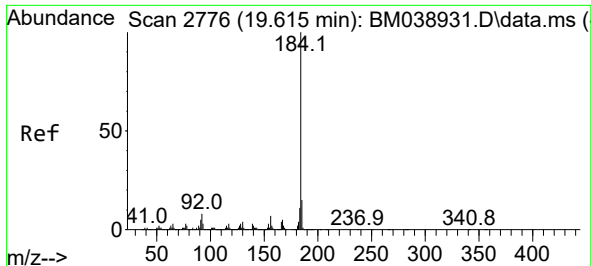
Ion Ratio Lower Upper

240 100

120 11.8 9.2 13.8

236 25.9 20.8 31.2

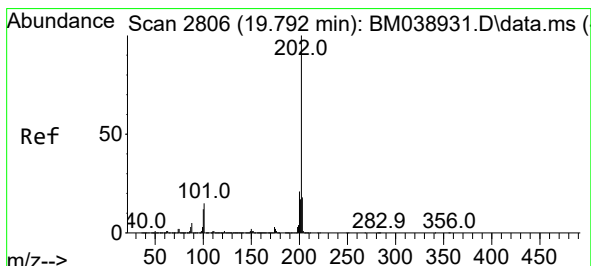
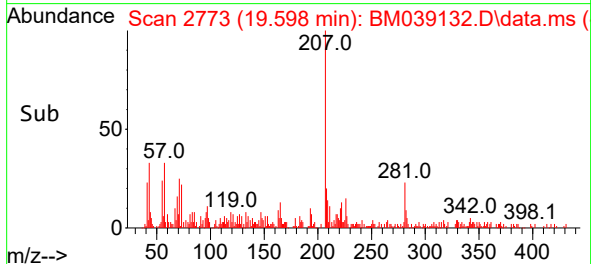
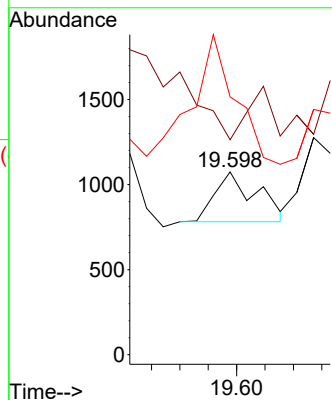
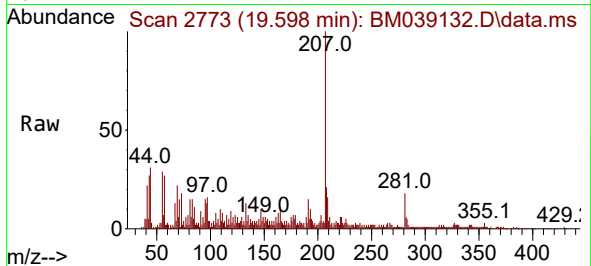




#77
Benzidine
Concen: 4.887 ng
RT: 19.598 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM039132.D
Acq: 24 Mar 2023 01:07

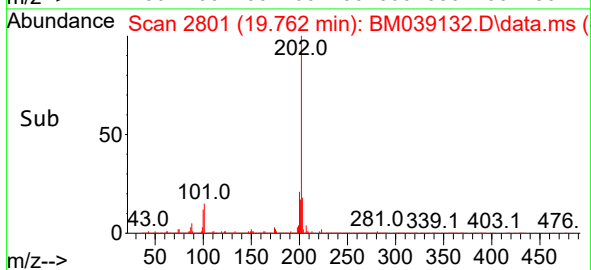
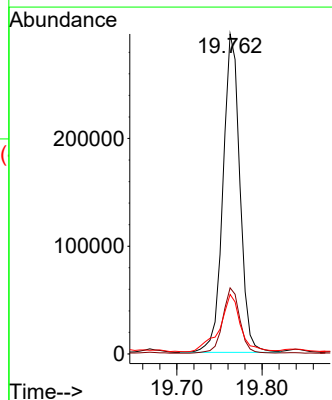
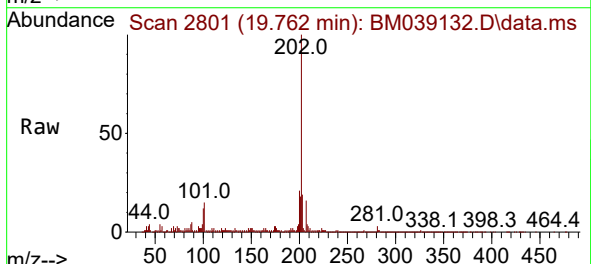
Instrument :
BNA_M
ClientSampleId :
OR-2-032123

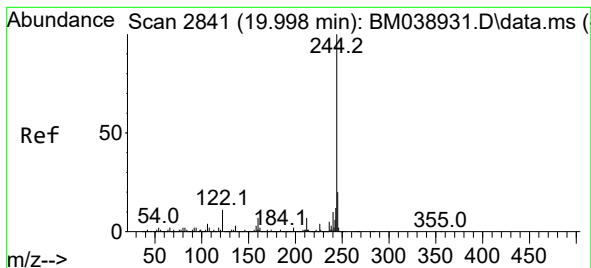
Tgt Ion:184 Resp: 297
Ion Ratio Lower Upper
184 100
185 117.6 12.2 18.4#
183 141.1 8.8 13.2#



#78
Pyrene
Concen: 4.807 ng
RT: 19.762 min Scan# 2801
Delta R.T. -0.006 min
Lab File: BM039132.D
Acq: 24 Mar 2023 01:07

Tgt Ion:202 Resp: 406874
Ion Ratio Lower Upper
202 100
200 20.6 17.1 25.7
203 18.6 14.1 21.1





#79

Terphenyl-d14

Concen: 9.195 ng

RT: 19.962 min Scan# 2

Delta R.T. -0.006 min

Lab File: BM039132.D

Acq: 24 Mar 2023 01:07

Instrument :

BNA_M

ClientSampleId :

OR-2-032123

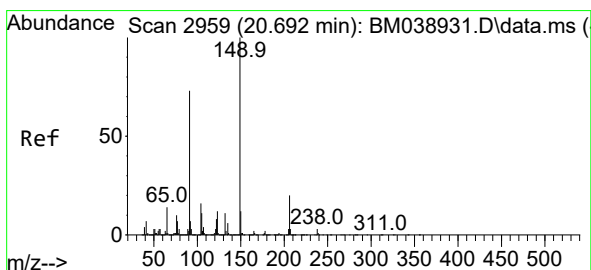
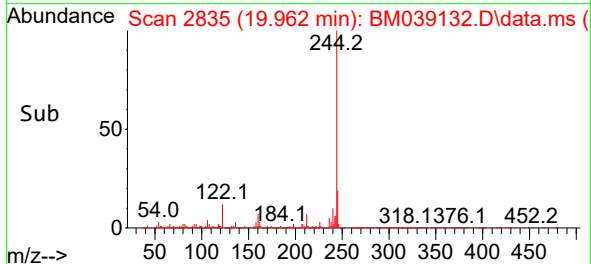
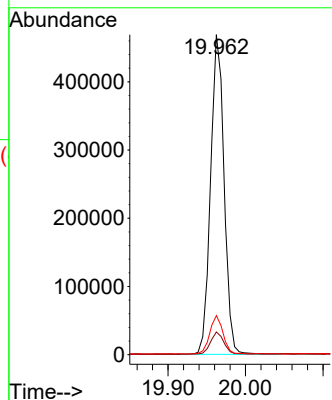
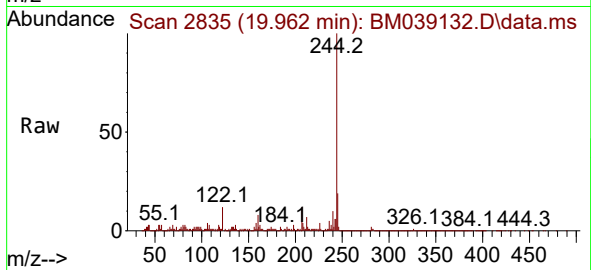
Tgt Ion:244 Resp: 566807

Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

122 12.2 9.0 13.4



#80

Butylbenzylphthalate

Concen: 3.341 ng

RT: 20.639 min Scan# 2950

Delta R.T. -0.023 min

Lab File: BM039132.D

Acq: 24 Mar 2023 01:07

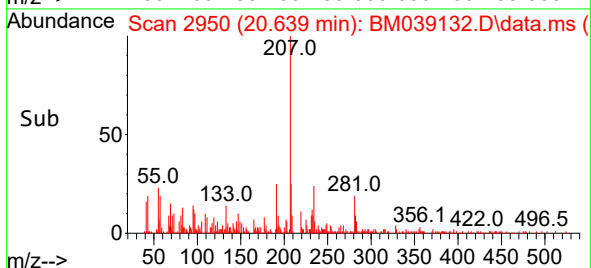
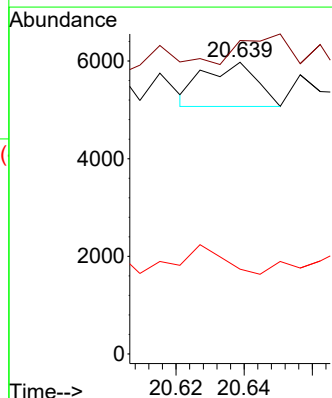
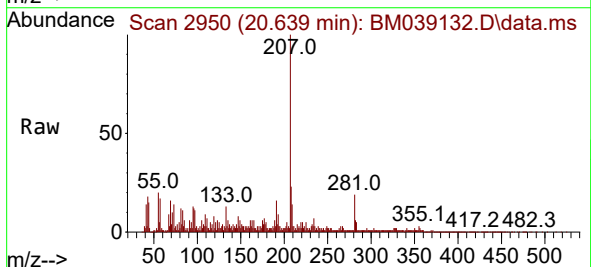
Tgt Ion:149 Resp: 965

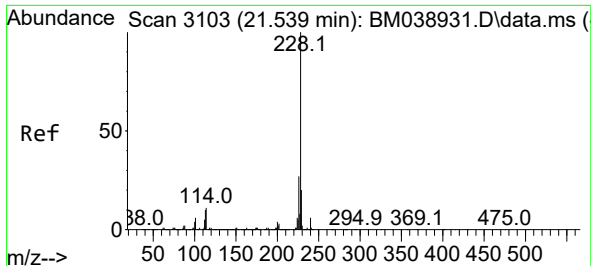
Ion Ratio Lower Upper

149 100

91 107.5 58.4 87.6#

206 29.1 16.1 24.1#

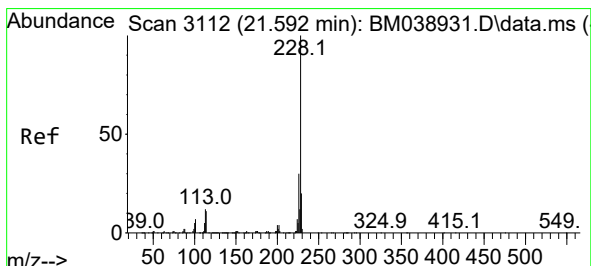
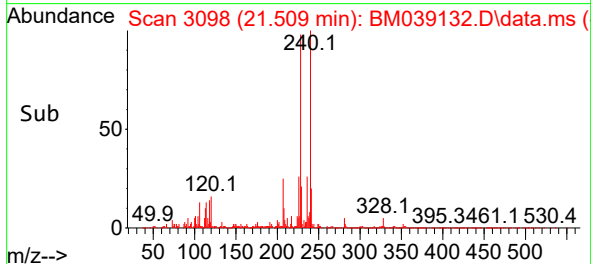
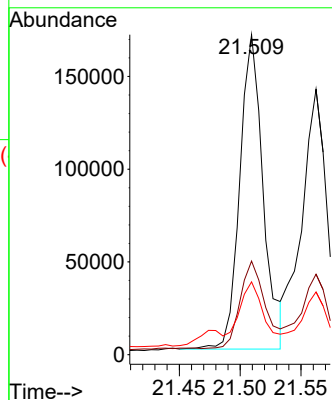
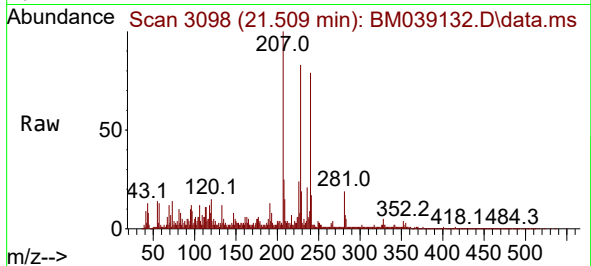




#81
Benzo(a)anthracene
Concen: 2.788 ng
RT: 21.509 min Scan# 3103
Delta R.T. -0.006 min
Lab File: BM039132.D
Acq: 24 Mar 2023 01:07

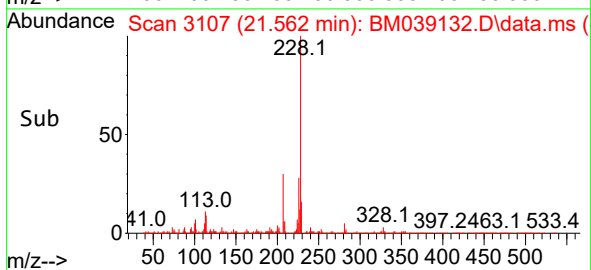
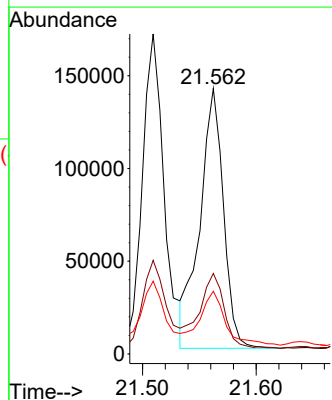
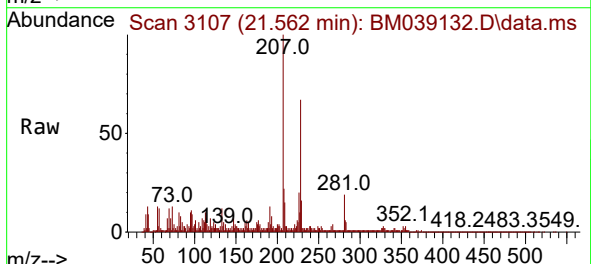
Instrument :
BNA_M
ClientSampleId :
OR-2-032123

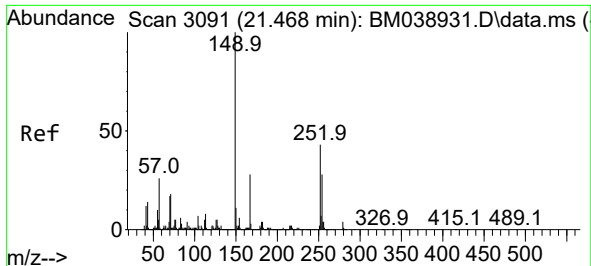
Tgt Ion:228 Resp: 226314
Ion Ratio Lower Upper
228 100
226 29.2 21.4 32.2
229 22.7 15.7 23.5



#83
Chrysene
Concen: 2.569 ng
RT: 21.562 min Scan# 3107
Delta R.T. -0.006 min
Lab File: BM039132.D
Acq: 24 Mar 2023 01:07

Tgt Ion:228 Resp: 202773
Ion Ratio Lower Upper
228 100
226 30.3 24.0 36.0
229 23.6 16.0 24.0

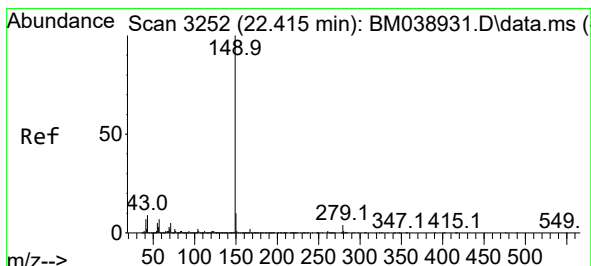
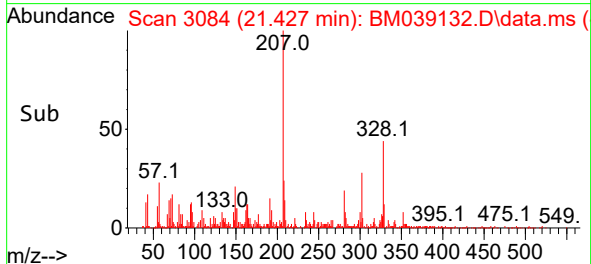
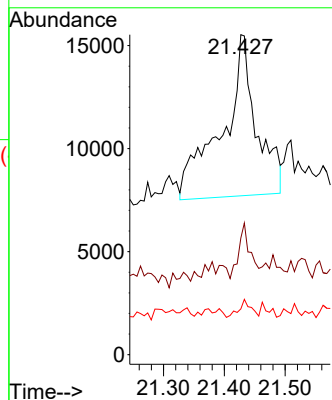
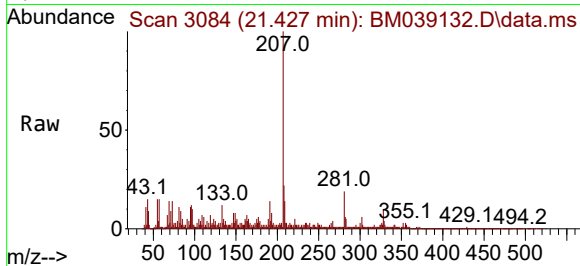




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.049 ng
RT: 21.427 min Scan# 30931
Delta R.T. -0.012 min
Lab File: BM039132.D
Acq: 24 Mar 2023 01:07

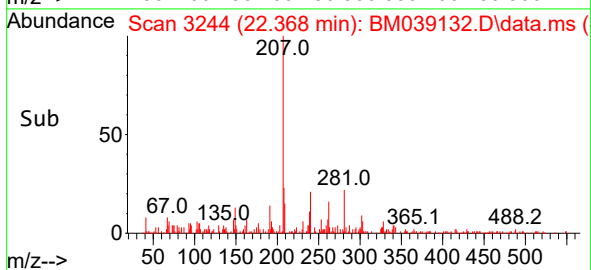
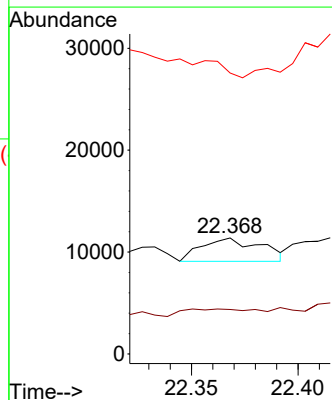
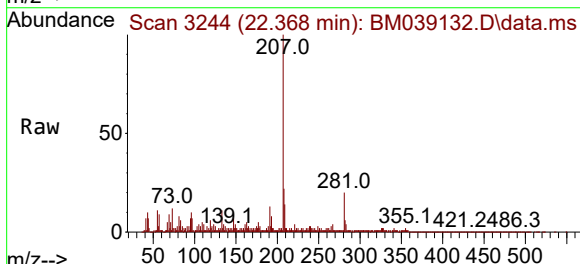
Instrument :
BNA_M
ClientSampleId :
OR-2-032123

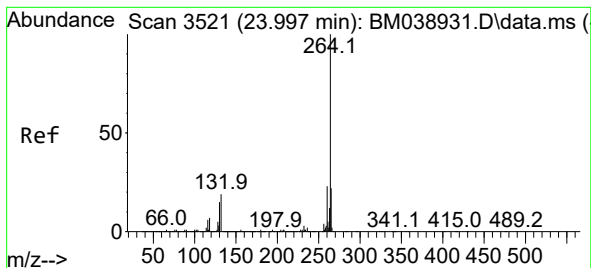
Tgt Ion:149 Resp: 30931
Ion Ratio Lower Upper
149 100
167 36.4 22.3 33.5#
279 14.3 3.2 4.8#



#85
Di-n-octyl phthalate
Concen: 3.844 ng
RT: 22.368 min Scan# 3244
Delta R.T. -0.006 min
Lab File: BM039132.D
Acq: 24 Mar 2023 01:07

Tgt Ion:149 Resp: 4425
Ion Ratio Lower Upper
149 100
167 31.5 1.2 1.8#
43 0.0 7.4 11.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.956 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM039132.D

Acq: 24 Mar 2023 01:07

Instrument :

BNA_M

ClientSampleId :

OR-2-032123

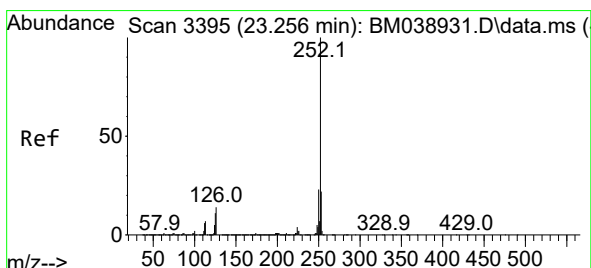
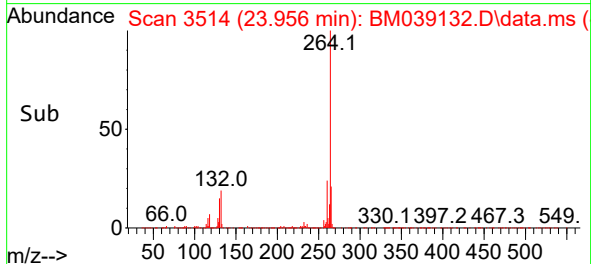
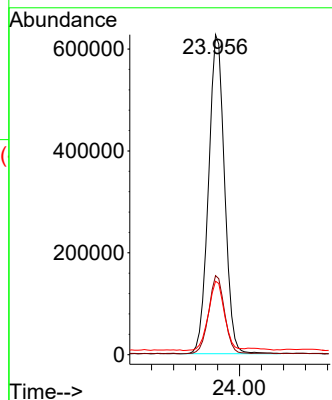
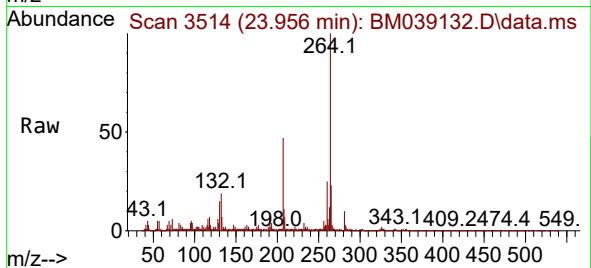
Tgt Ion:264 Resp: 1267145

Ion Ratio Lower Upper

264 100

260 24.7 18.7 28.1

265 22.9 17.9 26.9



#88

Benzo(b)fluoranthene

Concen: 3.363 ng

RT: 23.215 min Scan# 3388

Delta R.T. -0.006 min

Lab File: BM039132.D

Acq: 24 Mar 2023 01:07

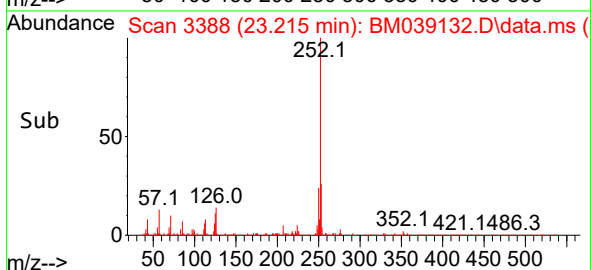
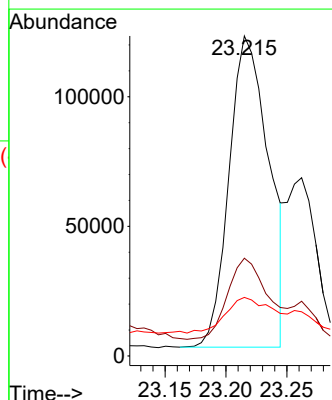
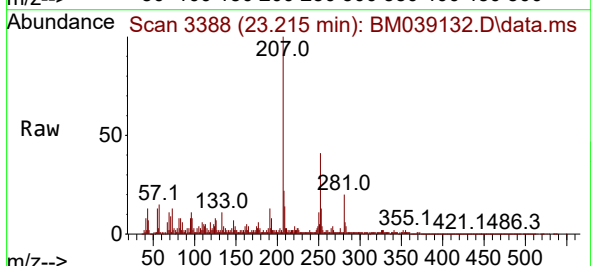
Tgt Ion:252 Resp: 272234

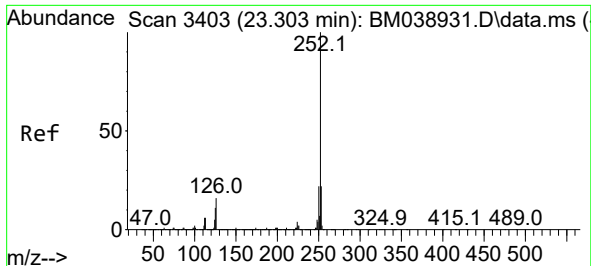
Ion Ratio Lower Upper

252 100

253 30.5 17.6 26.4#

125 18.3 8.8 13.2#

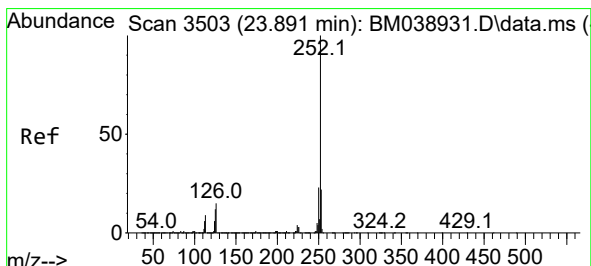
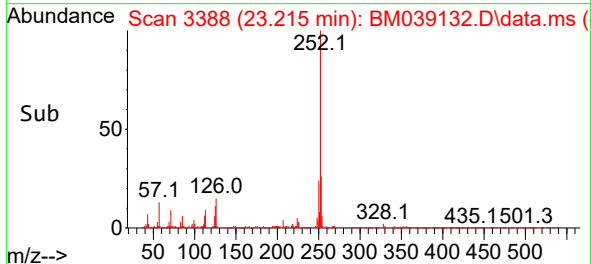
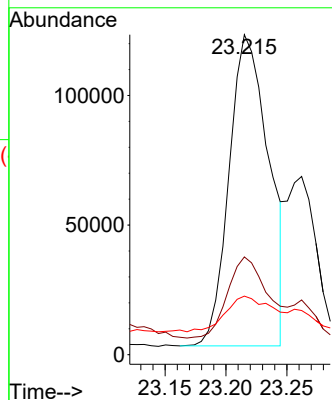
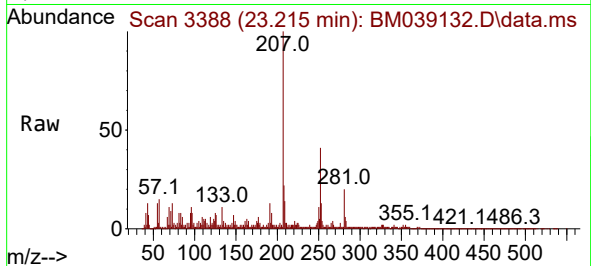




#89
Benzo(k)fluoranthene
Concen: 3.231 ng
RT: 23.215 min Scan# 31
Delta R.T. -0.053 min
Lab File: BM039132.D
Acq: 24 Mar 2023 01:07

Instrument :
BNA_M
ClientSampleId :
OR-2-032123

Tgt Ion:252 Resp: 272234
Ion Ratio Lower Upper
252 100
253 30.5 17.5 26.3#
125 18.3 8.9 13.3#



#90
Benzo(a)pyrene
Concen: 2.577 ng
RT: 23.850 min Scan# 3496
Delta R.T. -0.006 min
Lab File: BM039132.D
Acq: 24 Mar 2023 01:07

Tgt Ion:252 Resp: 200770
Ion Ratio Lower Upper
252 100
253 27.2 17.6 26.4#
125 20.8 9.8 14.8#

