

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM010623\
 Data File : BM038395.D
 Acq On : 06 Jan 2023 20:36
 Operator : CG/JU
 Sample : 01035-04MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4433MSD

Quant Time: Jan 07 00:39:58 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM010423.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jan 05 02:11:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.998	152	89474	20.000	ng/u1	0.00
20) Naphthalene-d8	10.810	136	350739	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.633	164	222876	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.374	188	511452	20.000	ng/u1	0.00
79) Chrysene-d12	21.545	240	533870	20.000	ng/u1	0.00
88) Perylene-d12	23.974	264	545956	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.363	96	17449	6.324	ng/uL	0.00
4) Pyridine-d5	3.793	84	255257	31.978	ng/u1	0.00
7) Phenol-d5	7.163	99	293508	36.009	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.328	67	213005	36.327	ng/u1	0.00
11) 2-Chlorophenol-d4	7.528	132	218047	37.336	ng/u1	0.00
15) 4-Methylphenol-d8	8.716	113	222274	35.327	ng/u1	0.00
21) Nitrobenzene-d5	9.175	128	104298	37.902	ng/u1	0.00
24) 2-Nitrophenol-d4	9.892	143	120307	38.550	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.434	165	238463	39.568	ng/u1	0.00
31) 4-Chloroaniline-d4	10.957	131	255685	30.745	ng/u1	0.00
46) Dimethylphthalate-d6	14.045	166	655109	38.812	ng/u1	0.00
49) Acenaphthylene-d8	14.327	160	767397	39.013	ng/u1	0.00
54) 4-Nitrophenol-d4	14.839	143	103819	34.167	ng/u1	0.00
60) Fluorene-d10	15.621	176	583169	37.992	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.745	200	125576	33.877	ng/u1	0.00
73) Anthracene-d10	17.468	188	937277	37.989	ng/u1	0.00
81) Pyrene-d10	19.756	212	1149388	38.689	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.815	264	1093434	40.324	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.399	88	39876	13.537	ng/uL	95
5) Pyridine	3.810	79	299918	35.569	ng/u1	99
6) Benzaldehyde	7.140	77	207161	61.820	ng/u1	94
8) Phenol	7.187	94	337058	39.196	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.422	93	271827	39.479	ng/u1	99
12) 2-Chlorophenol	7.557	128	245720	40.741	ng/u1	98
13) 2-Methylphenol	8.445	108	234264	38.142	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.534	45	422980	38.732	ng/u1	97
16) Acetophenone	8.834	105	412950	37.090	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.816	70	247159	41.208	ng/u1	99
18) 4-Methylphenol	8.781	108	253339	37.912	ng/u1	95
19) Hexachloroethane	9.081	117	118788	42.294	ng/u1	93
22) Nitrobenzene	9.216	77	360044	39.670	ng/u1	98
23) Isophorone	9.745	82	640716	41.177	ng/u1	99
25) 2-Nitrophenol	9.928	139	136909	42.117	ng/u1	96
26) 2,4-Dimethylphenol	9.981	107	306305	40.307	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.222	93	361745	40.632	ng/u1	99
29) 2,4-Dichlorophenol	10.463	162	243947	41.628	ng/u1	98
30) Naphthalene	10.863	128	743503	39.742	ng/u1	99
32) 4-Chloroaniline	10.981	127	282205	33.303	ng/u1	97
33) Hexachlorobutadiene	11.133	225	187914	43.069	ng/u1	96
34) Caprolactam	11.775	113	39991	23.908	ng/u1	87
35) 4-Chloro-3-methylphenol	12.098	107	259223	41.572	ng/u1	98
36) 2-Methylnaphthalene	12.463	142	505594	41.459	ng/u1	99

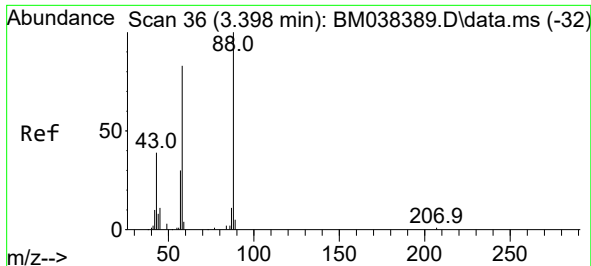
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.680	142	512237	40.600	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.827	216	342867	43.511	ng/ul	99
40) Hexachlorocyclopentadiene	12.804	237	213171	38.303	ng/ul	97
41) 2,4,6-Trichlorophenol	13.075	196	218513	44.676	ng/ul	99
42) 2,4,5-Trichlorophenol	13.145	196	228997	43.687	ng/ul	98
43) 1,1'-Biphenyl	13.469	154	707390	41.989	ng/ul	97
44) 2-Chloronaphthalene	13.516	162	573501	41.691	ng/ul	100
45) 2-Nitroaniline	13.722	65	199873	43.436	ng/ul	99
47) Dimethylphthalate	14.092	163	711038	41.512	ng/ul	100
48) 2,6-Dinitrotoluene	14.216	165	141933	43.519	ng/ul	92
50) Acenaphthylene	14.357	152	852026	40.831	ng/ul	99
51) 3-Nitroaniline	14.545	138	124643	41.506	ng/ul	99
52) Acenaphthene	14.692	153	610624	41.352	ng/ul	98
53) 2,4-Dinitrophenol	14.757	184	98743	40.496	ng/ul	96
55) 4-Nitrophenol	14.851	109	127152	39.977	ng/ul	96
56) Dibenzofuran	15.027	168	852491	40.621	ng/ul	98
57) 2,4-Dinitrotoluene	15.004	165	204107	42.777	ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	15.257	232	202241	43.196	ng/ul	98
59) Diethylphthalate	15.445	149	746020	42.021	ng/ul	99
61) Fluorene	15.674	166	763831	42.394	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.668	204	411515	43.396	ng/ul	98
63) 4-Nitroaniline	15.710	138	136773	47.595	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.763	198	138744	39.062	ng/ul	99
67) N-Nitrosodiphenylamine	15.880	169	604137	41.427	ng/ul	99
68) 4-Bromophenyl-phenylether	16.557	248	235637	43.490	ng/ul	95
69) Hexachlorobenzene	16.674	284	269158	43.068	ng/ul	95
70) Atrazine	16.833	200	236523	39.238	ng/ul	97
71) Pentachlorophenol	17.021	266	161069	39.053	ng/ul	98
72) Phenanthrene	17.415	178	1141595	40.908	ng/ul	99
74) Anthracene	17.504	178	1167580	40.688	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.433	216	341765	44.274	ng/uL	96
76) Pentachlorobenzene	14.945	250	309115	41.558	ng/uL	97
77) Carbazole	17.780	167	988483	37.569	ng/ul	99
78) Di-n-butylphthalate	18.327	149	1391491	44.264	ng/ul	99
80) Fluoranthene	19.421	202	1436540	42.756	ng/ul	100
82) Pyrene	19.786	202	1540353	42.068	ng/ul	98
83) Butylbenzylphthalate	20.668	149	625234	44.525	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.462	252	380619	34.188	ng/ul	99
85) Benzo(a)anthracene	21.527	228	1586115	41.746	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.439	149	1253179	57.813	ng/ul	96
87) Chrysene	21.580	228	1488807	40.789	ng/ul	99
89) Di-n-octyl phthalate	22.368	149	1690840	43.292	ng/ul	100
90) Benzo(b)fluoranthene	23.227	252	1553895	44.986	ng/ul	99
91) Benzo(k)fluoranthene	23.280	252	1474722	42.516	ng/ul	99
93) Benzo(a)pyrene	23.868	252	1323009	42.320	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.515	276	1655476	41.668	ng/ul	99
95) Dibenzo(a,h)anthracene	26.527	278	1409429	42.509	ng/ul	98
96) Benzo(g,h,i)perylene	27.303	276	1333414	40.989	ng/ul	98

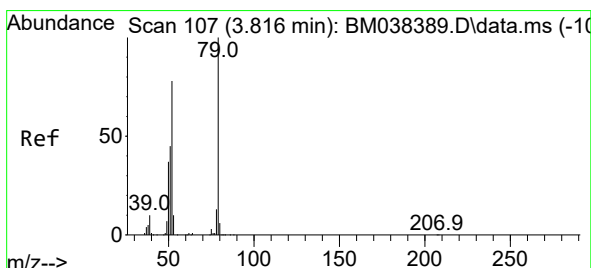
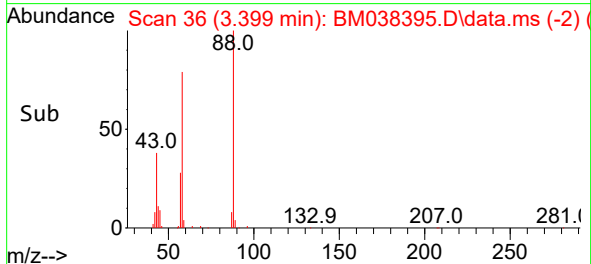
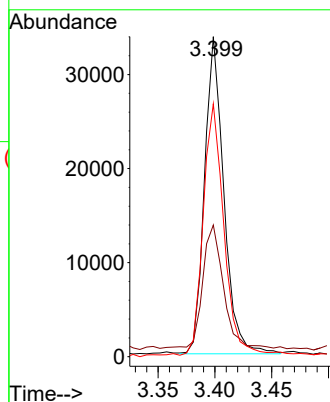
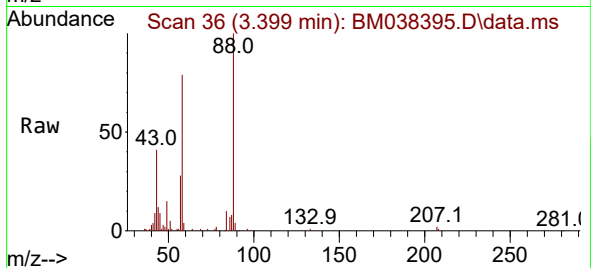
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#2
1,4-Dioxane
Concen: 13.537 ng/uL
RT: 3.399 min Scan# 30
Delta R.T. -0.000 min
Lab File: BM038395.D
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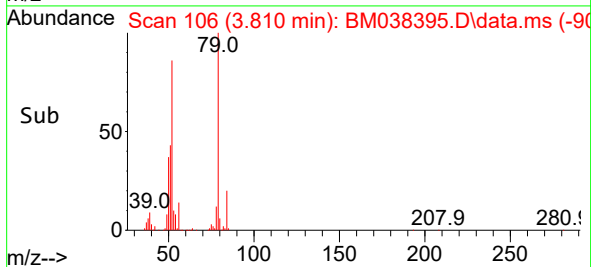
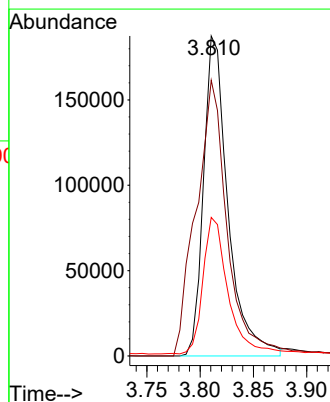
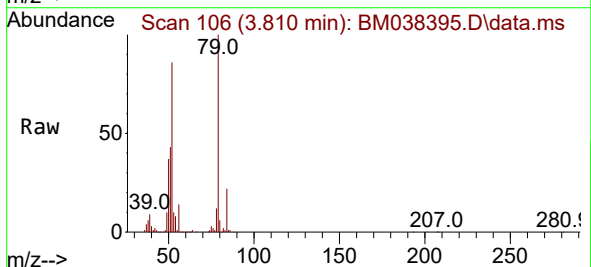
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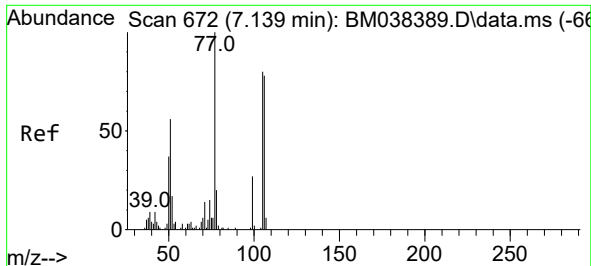
Tgt Ion: 88 Resp: 39876
Ion Ratio Lower Upper
88 100
43 41.2 30.6 45.8
58 79.0 60.2 90.4



#5
Pyridine
Concen: 35.569 ng/uL
RT: 3.810 min Scan# 106
Delta R.T. -0.006 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

Tgt Ion: 79 Resp: 299918
Ion Ratio Lower Upper
79 100
52 86.2 69.6 104.4
51 43.3 34.8 52.2

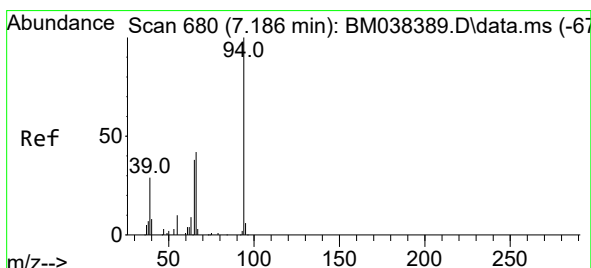
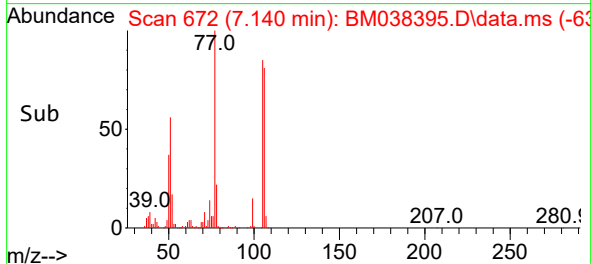
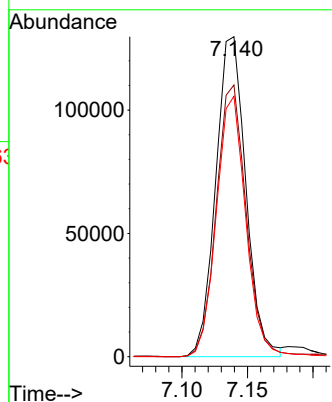
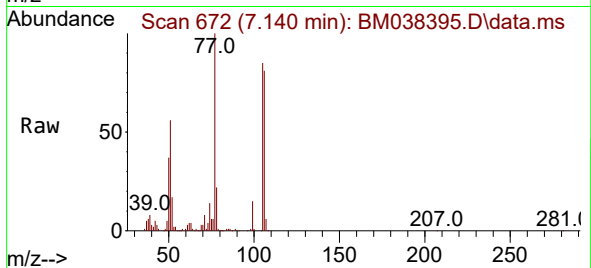




#6
Benzaldehyde
Concen: 61.820 ng/ul
RT: 7.140 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

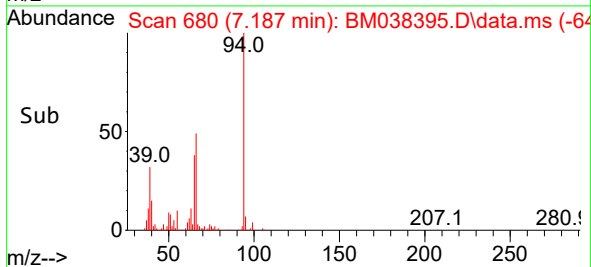
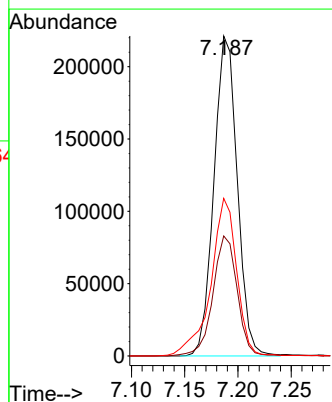
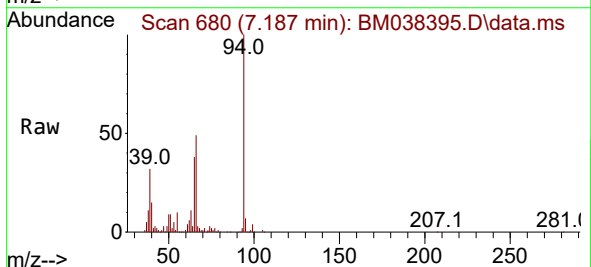
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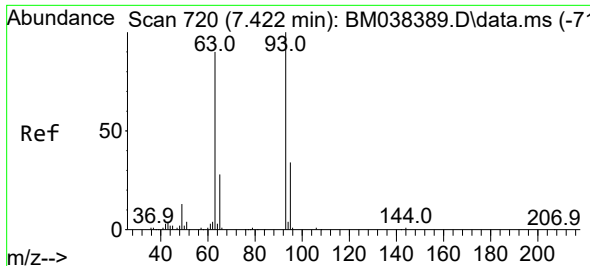
Tgt Ion: 77 Resp: 207161
Ion Ratio Lower Upper
77 100
105 84.9 64.5 96.7
106 81.4 60.6 90.8



#8
Phenol
Concen: 39.196 ng/ul
RT: 7.187 min Scan# 680
Delta R.T. -0.006 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

Tgt Ion: 94 Resp: 337058
Ion Ratio Lower Upper
94 100
65 37.5 29.4 44.2
66 49.3 38.0 57.0

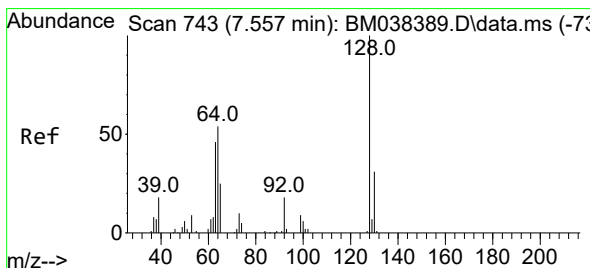
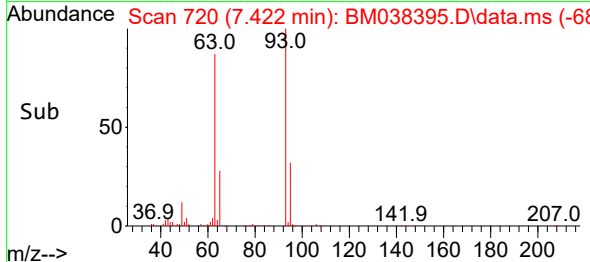
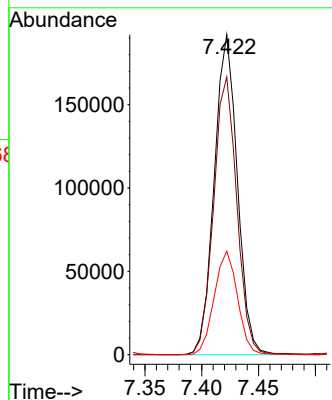
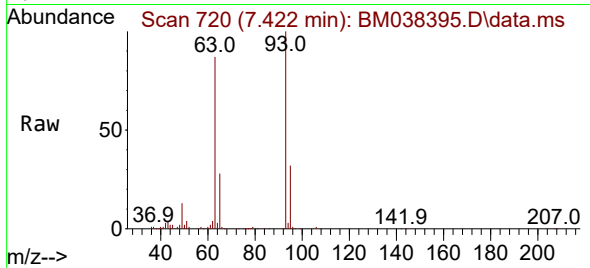




#10
Bis(2-Chloroethyl)ether
Concen: 39.479 ng/ul
RT: 7.422 min Scan# 720
Delta R.T. -0.000 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

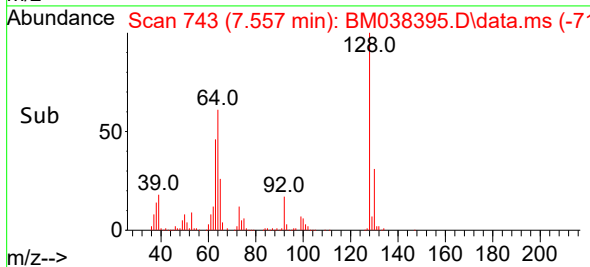
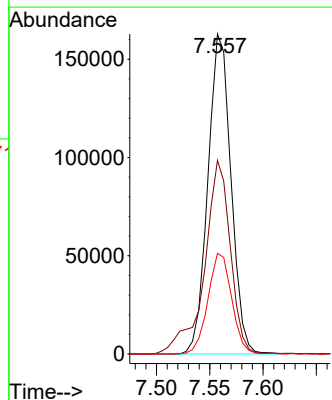
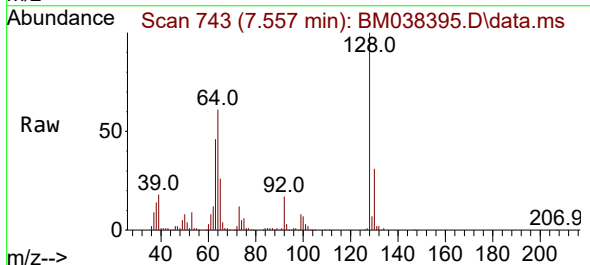
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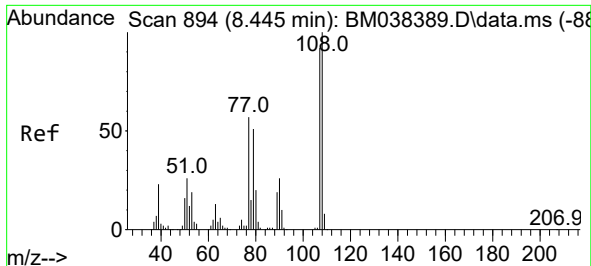
Tgt Ion: 93 Resp: 271827
Ion Ratio Lower Upper
93 100
63 86.7 69.6 104.4
95 32.3 26.6 40.0



#12
2-Chlorophenol
Concen: 40.741 ng/ul
RT: 7.557 min Scan# 743
Delta R.T. -0.006 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

Tgt Ion:128 Resp: 245720
Ion Ratio Lower Upper
128 100
64 60.5 47.3 70.9
130 31.5 25.7 38.5





#13

2-Methylphenol

Concen: 38.142 ng/ul

RT: 8.445 min Scan# 894

Delta R.T. -0.006 min

Lab File: BM038395.D

Acq: 06 Jan 2023 20:36

Instrument :

BNA_M

ClientSampleId :

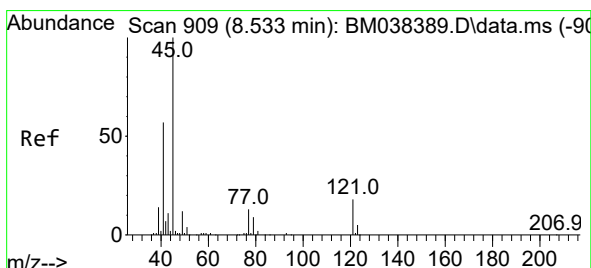
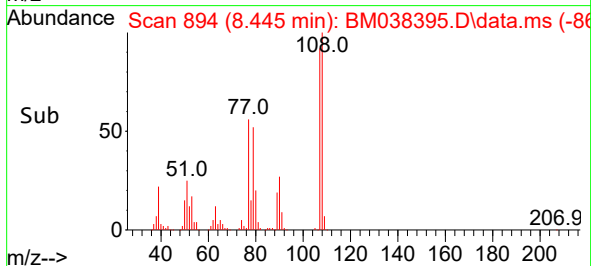
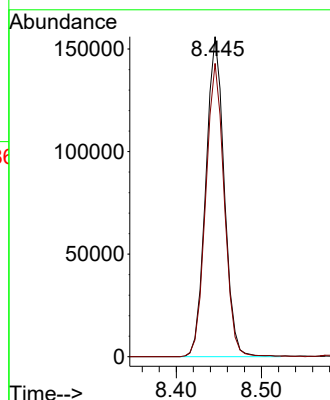
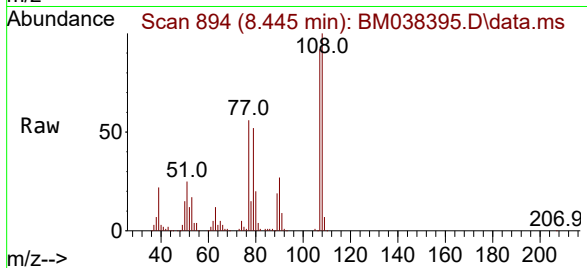
A4433MSD

Tgt Ion:108 Resp: 234264

Ion Ratio Lower Upper

108 100

107 91.6 70.3 105.5



#14

2,2'-oxybis(1-Chloropropane)

Concen: 38.732 ng/ul

RT: 8.534 min Scan# 909

Delta R.T. 0.000 min

Lab File: BM038395.D

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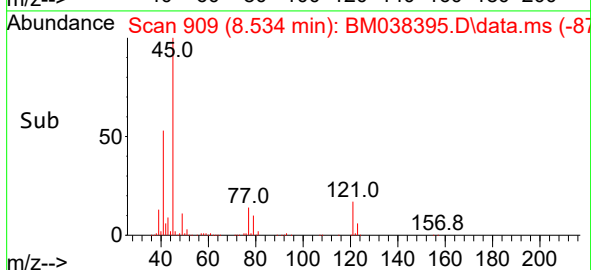
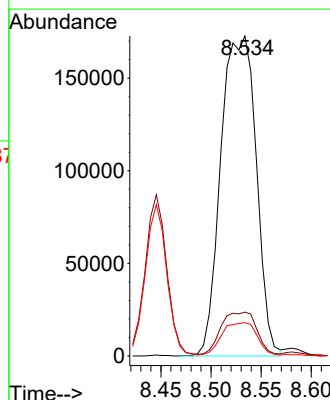
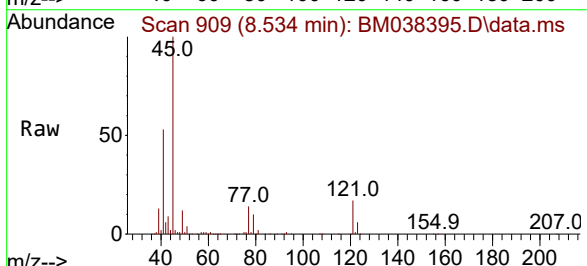
Tgt Ion: 45 Resp: 422980

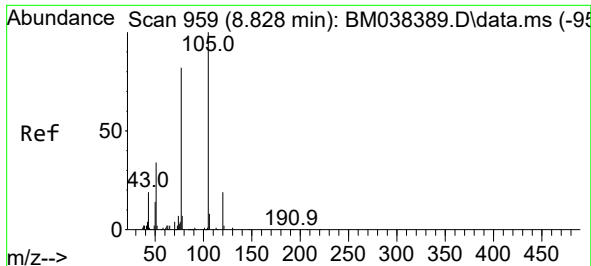
Ion Ratio Lower Upper

45 100

77 13.7 12.2 18.2

79 10.4 8.6 13.0

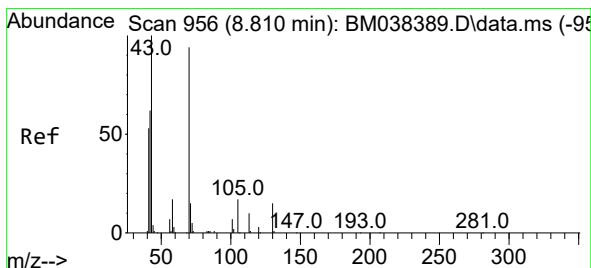
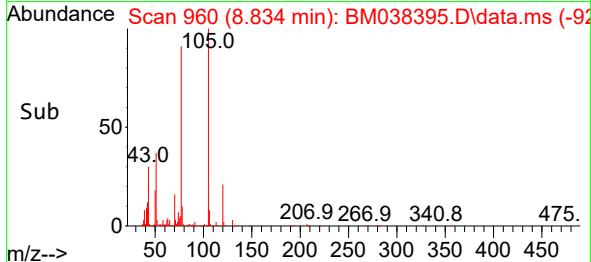
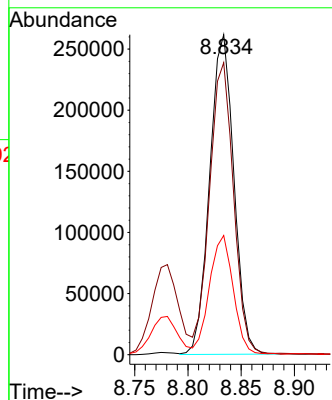
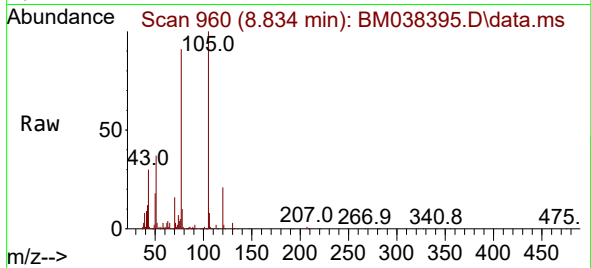




#16
Acetophenone
Concen: 37.090 ng/ul
RT: 8.834 min Scan# 960
Delta R.T. 0.000 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

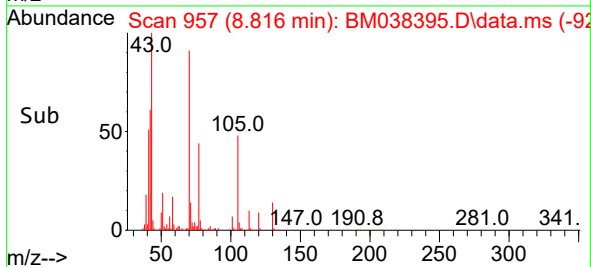
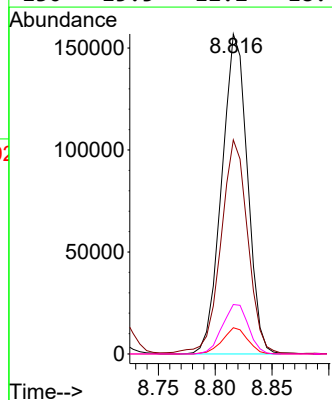
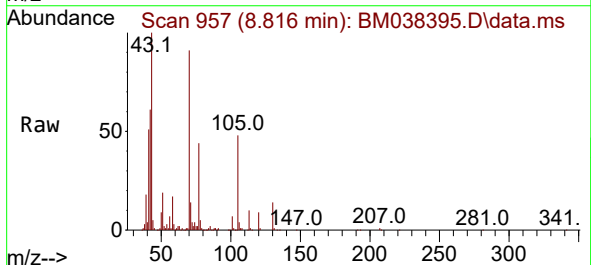
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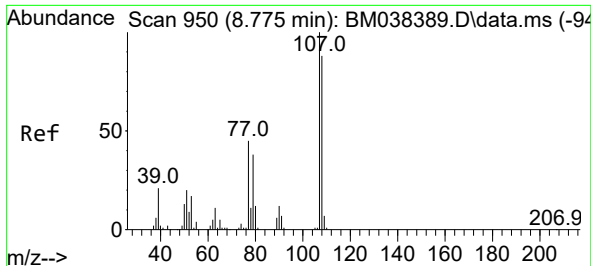
Tgt Ion:105 Resp: 412950
Ion Ratio Lower Upper
105 100
77 91.2 71.9 107.9
51 37.2 29.1 43.7



#17
N-Nitroso-di-n-propylamine
Concen: 41.208 ng/ul
RT: 8.816 min Scan# 957
Delta R.T. 0.000 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

Tgt Ion: 70 Resp: 247159
Ion Ratio Lower Upper
70 100
42 66.9 53.0 79.6
101 8.2 7.2 10.8
130 15.5 12.2 18.4

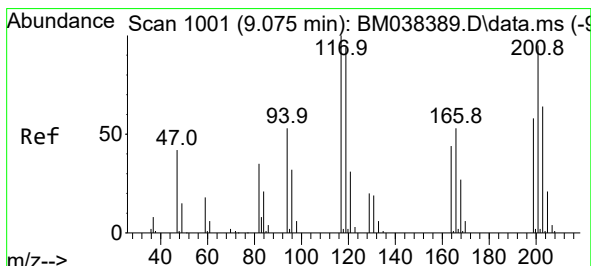
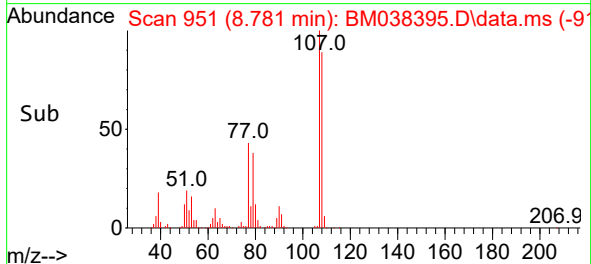
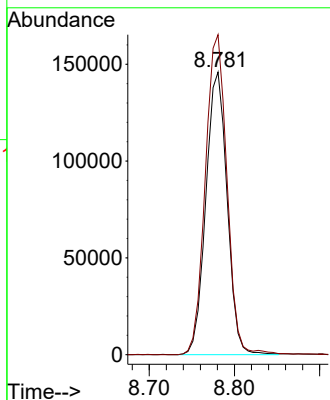
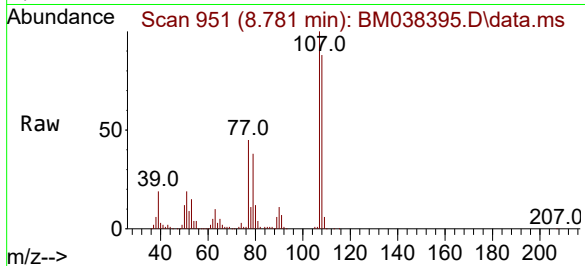




#18
4-Methylphenol
Concen: 37.912 ng/ul
RT: 8.781 min Scan# 91
Delta R.T. -0.000 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

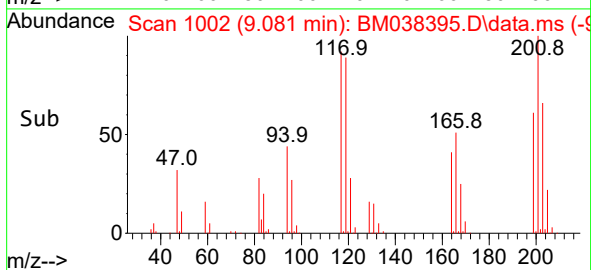
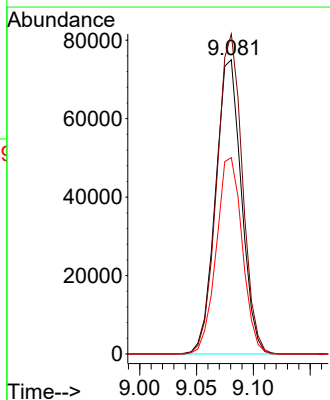
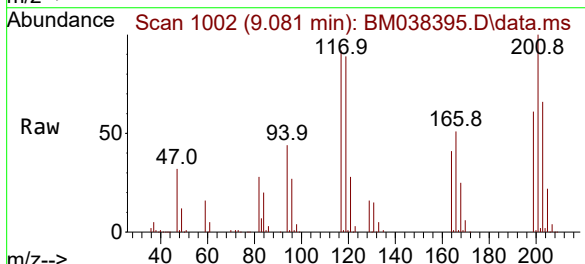
Instrument :
BNA_M
ClientSampleId :
A4433MSD

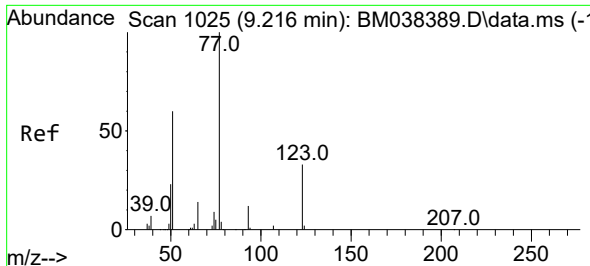
Tgt Ion:108 Resp: 253339
Ion Ratio Lower Upper
108 100
107 113.2 86.4 129.6



#19
Hexachloroethane
Concen: 42.294 ng/ul
RT: 9.081 min Scan# 1002
Delta R.T. -0.000 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

Tgt Ion:117 Resp: 118788
Ion Ratio Lower Upper
117 100
201 108.8 79.8 119.6
199 66.7 50.3 75.5

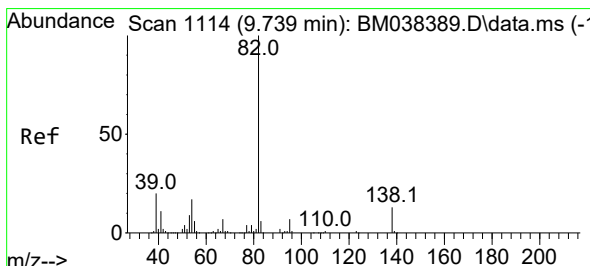
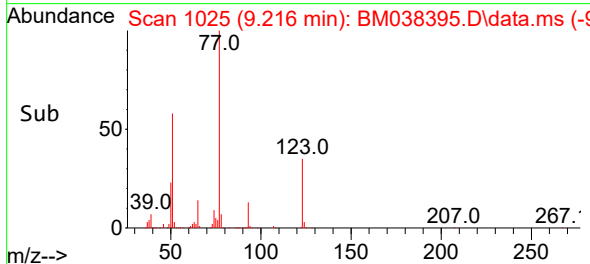
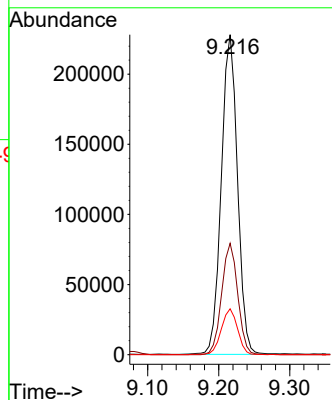
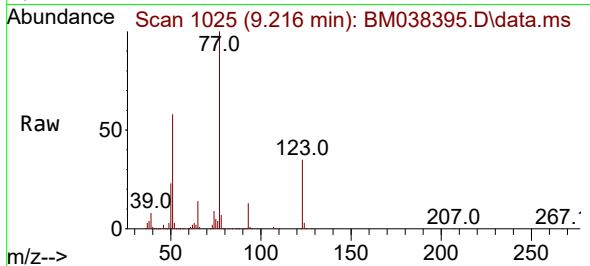




#22
Nitrobenzene
Concen: 39.670 ng/ul
RT: 9.216 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

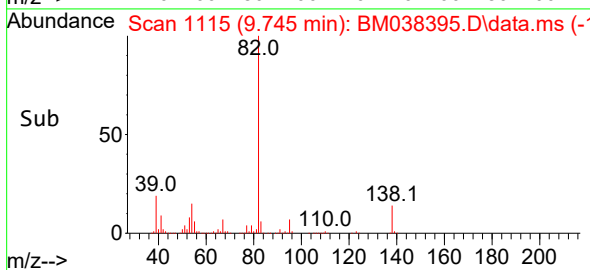
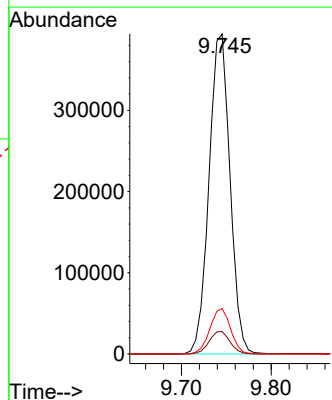
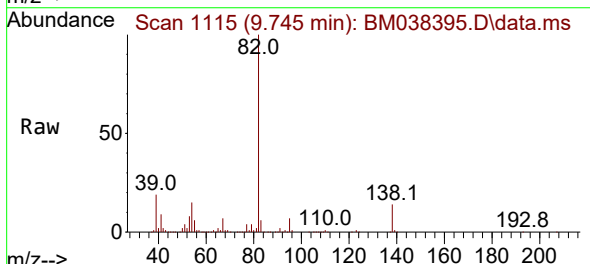
Instrument :
BNA_M
ClientSampleId :
A4433MSD

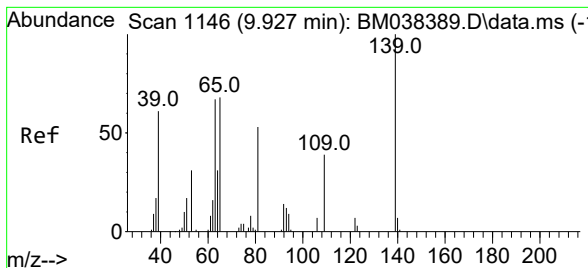
Tgt Ion: 77 Resp: 360044
Ion Ratio Lower Upper
77 100
123 34.8 26.9 40.3
65 14.3 12.1 18.1



#23
Isophorone
Concen: 41.177 ng/ul
RT: 9.745 min Scan# 1115
Delta R.T. 0.006 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

Tgt Ion: 82 Resp: 640716
Ion Ratio Lower Upper
82 100
95 7.0 5.4 8.0
138 14.2 11.1 16.7

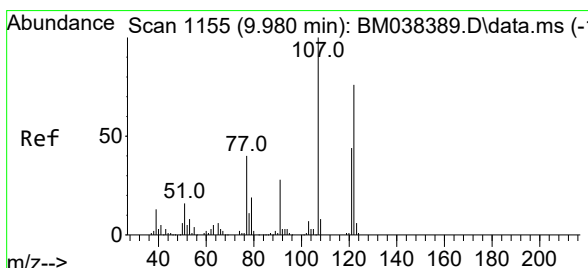
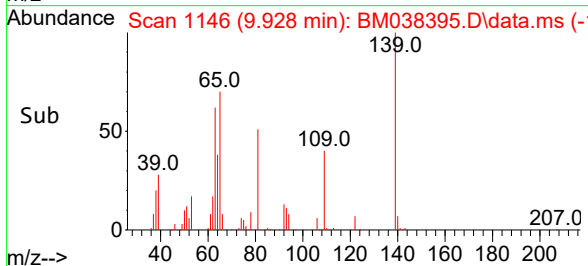
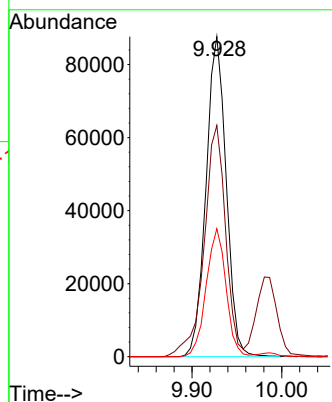
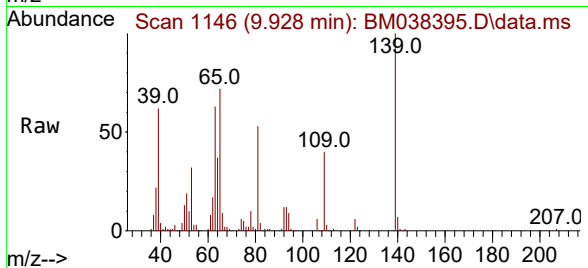




#25
2-Nitrophenol
Concen: 42.117 ng/ul
RT: 9.928 min Scan# 1146
Delta R.T. -0.000 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

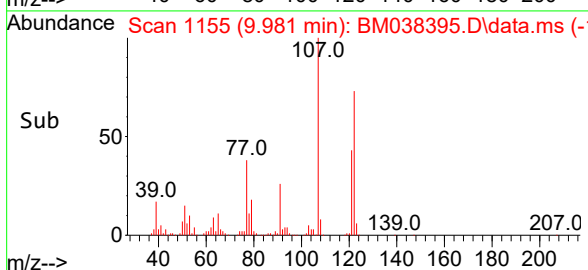
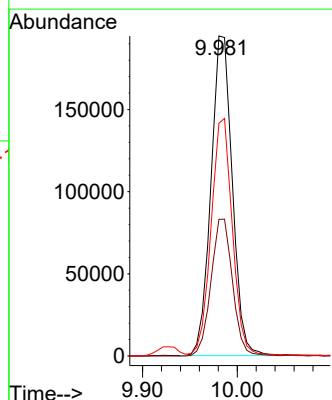
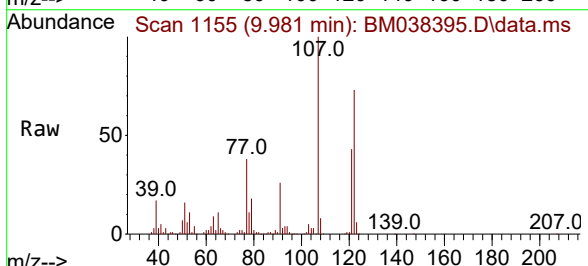
Instrument :
BNA_M
ClientSampleId :
A4433MSD

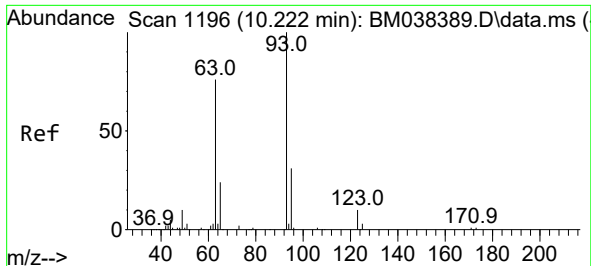
Tgt Ion:139 Resp: 136909
Ion Ratio Lower Upper
139 100
65 72.3 55.9 83.9
109 40.0 29.0 43.4



#26
2,4-Dimethylphenol
Concen: 40.307 ng/ul
RT: 9.981 min Scan# 1155
Delta R.T. -0.006 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

Tgt Ion:107 Resp: 306305
Ion Ratio Lower Upper
107 100
121 42.7 35.2 52.8
122 72.7 58.6 87.8

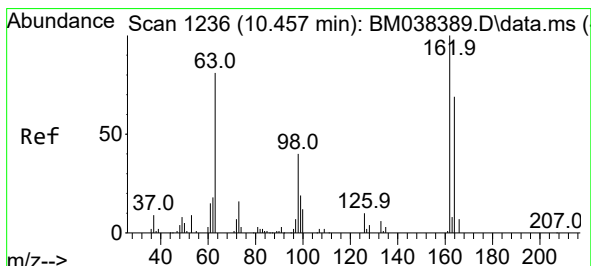
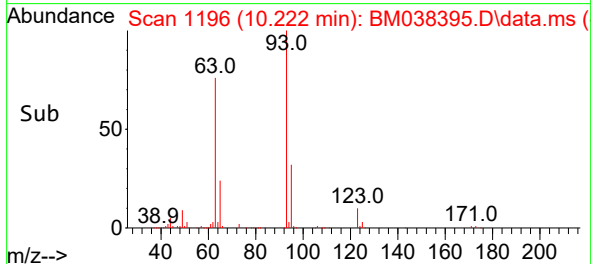
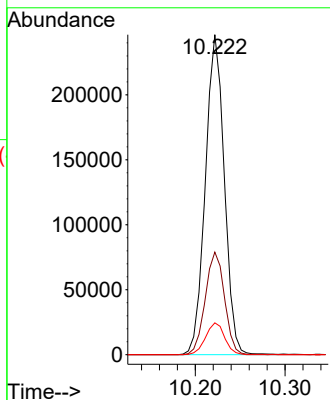
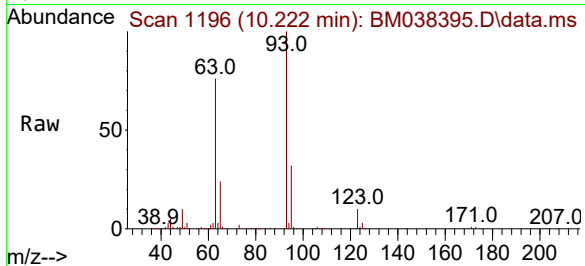




#27
Bis(2-Chloroethoxy)methane
Concen: 40.632 ng/ul
RT: 10.222 min Scan# 1196
Delta R.T. -0.000 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

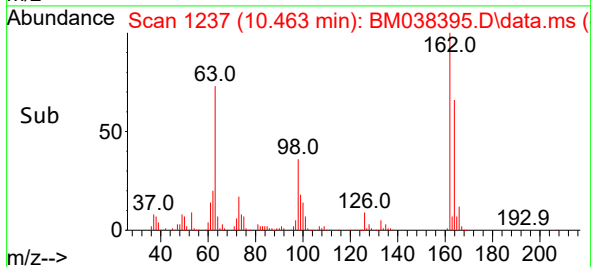
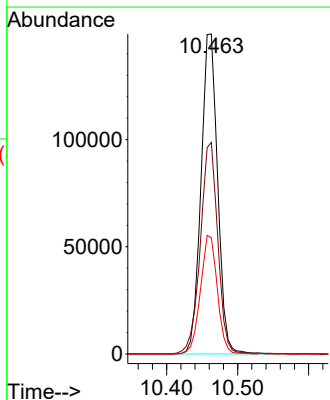
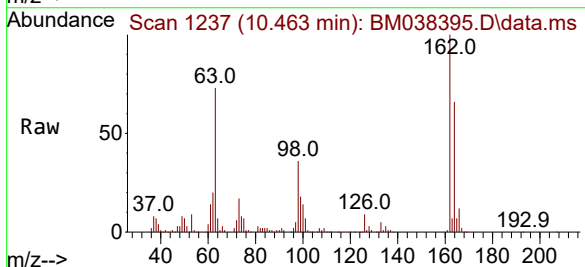
Instrument :
BNA_M
ClientSampleId :
A4433MSD

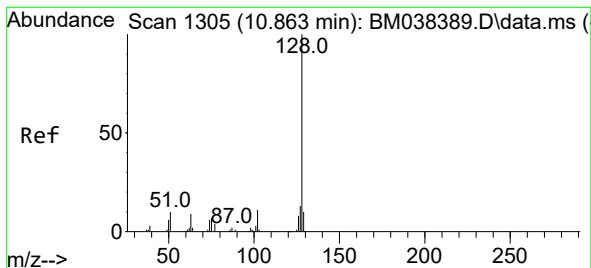
Tgt Ion: 93 Resp: 361745
Ion Ratio Lower Upper
93 100
95 32.1 25.4 38.2
123 9.9 7.5 11.3



#29
2,4-Dichlorophenol
Concen: 41.628 ng/ul
RT: 10.463 min Scan# 1237
Delta R.T. 0.000 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

Tgt Ion:162 Resp: 243947
Ion Ratio Lower Upper
162 100
164 66.1 51.8 77.8
98 36.4 30.6 45.8

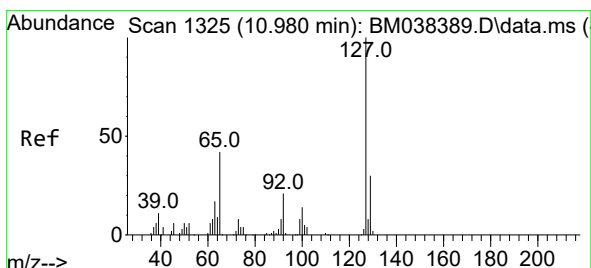
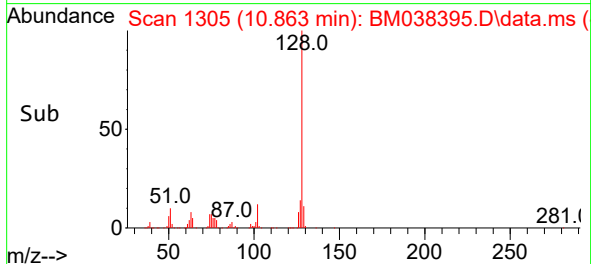
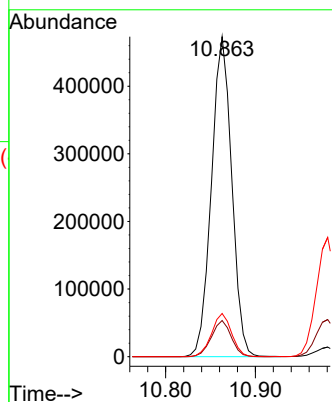
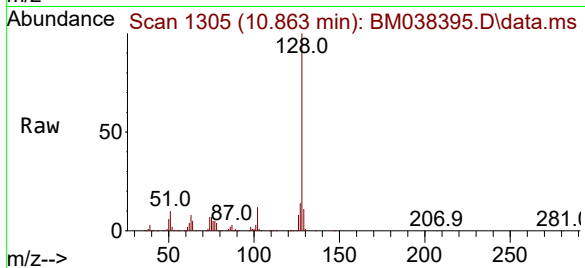




#30
Naphthalene
Concen: 39.742 ng/ul
RT: 10.863 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

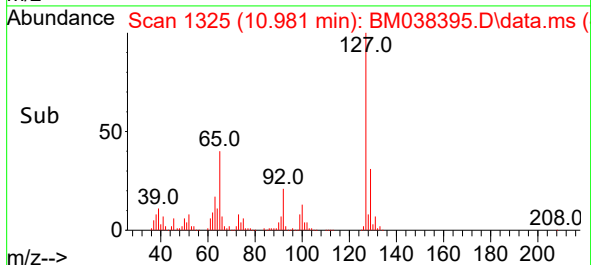
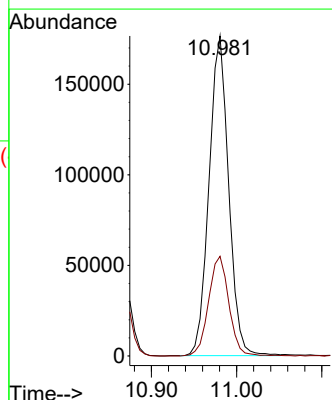
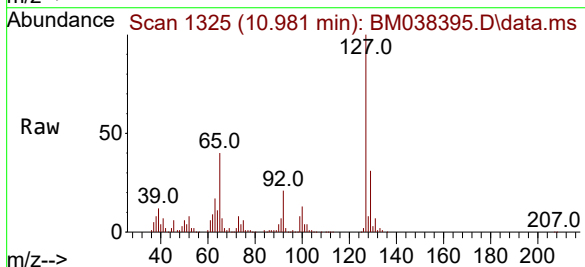
Instrument :
BNA_M
ClientSampleId :
A4433MSD

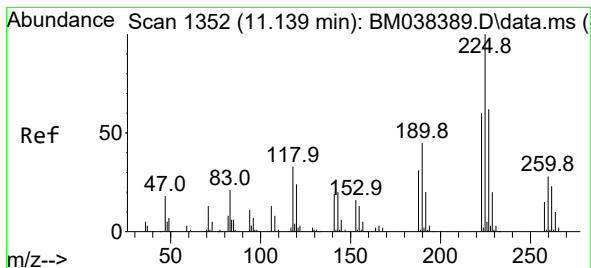
Tgt Ion:128 Resp: 743503
Ion Ratio Lower Upper
128 100
129 11.3 8.6 12.8
127 13.5 10.5 15.7



#32
4-Chloroaniline
Concen: 33.303 ng/ul
RT: 10.981 min Scan# 1325
Delta R.T. 0.000 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

Tgt Ion:127 Resp: 282205
Ion Ratio Lower Upper
127 100
129 31.1 26.2 39.2





#33

Hexachlorobutadiene

Concen: 43.069 ng/ul

RT: 11.133 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM038395.D

Acq: 06 Jan 2023 20:36

Instrument :

BNA_M

ClientSampleId :

A4433MSD

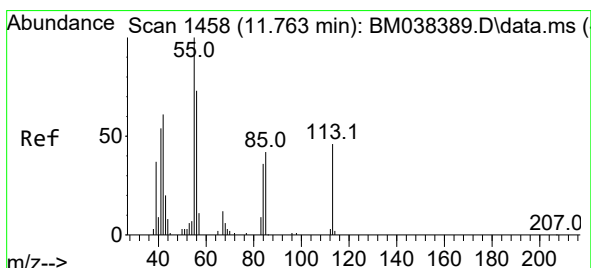
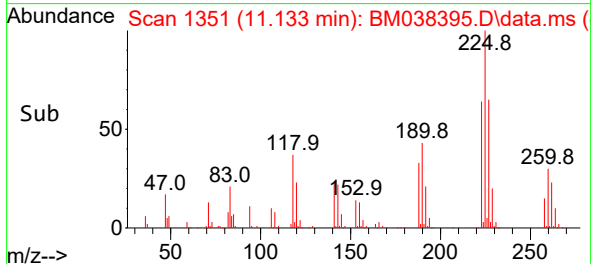
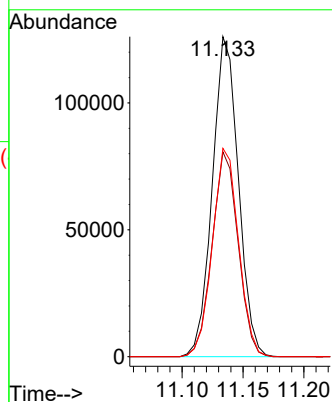
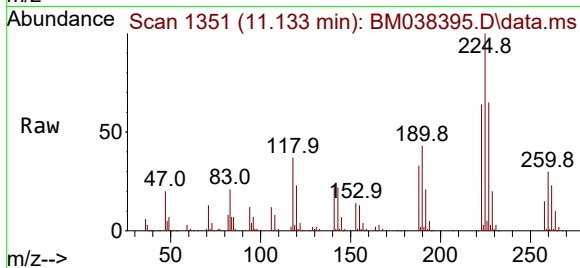
Tgt Ion:225 Resp: 187914

Ion Ratio Lower Upper

225 100

223 64.0 52.6 78.8

227 65.1 48.2 72.4



#34

Caprolactam

Concen: 23.908 ng/ul

RT: 11.775 min Scan# 1460

Delta R.T. 0.000 min

Lab File: BM038395.D

Acq: 06 Jan 2023 20:36

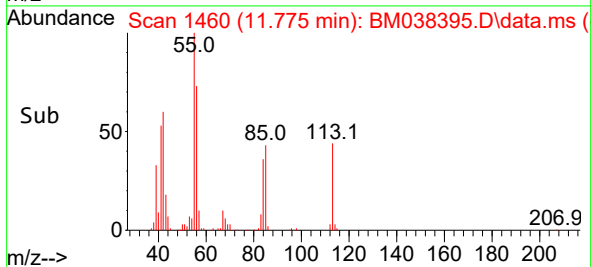
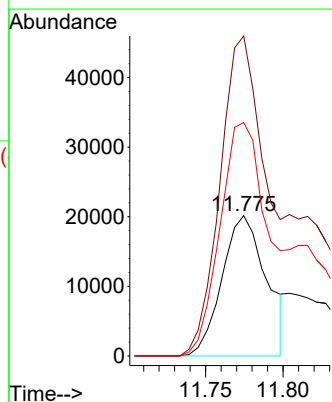
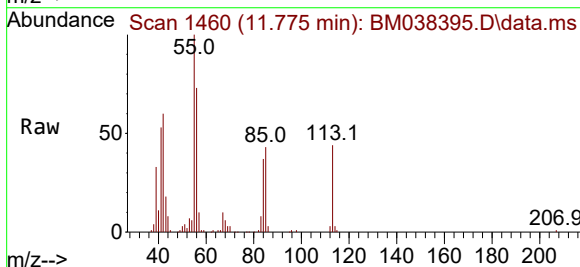
Tgt Ion:113 Resp: 39991

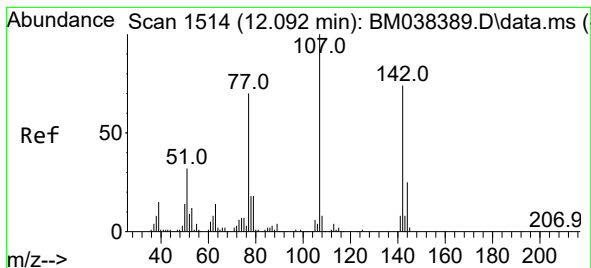
Ion Ratio Lower Upper

113 100

55 227.9 161.5 242.3

56 166.2 125.8 188.8

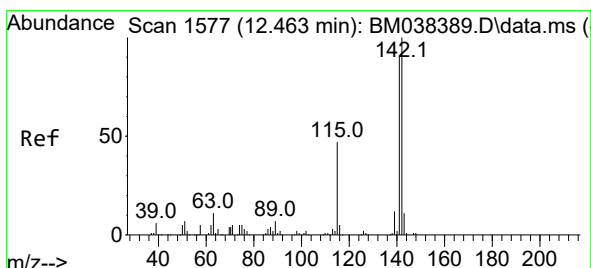
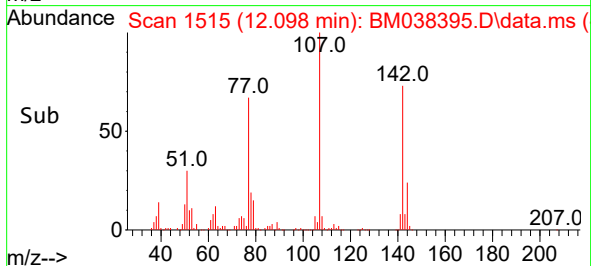
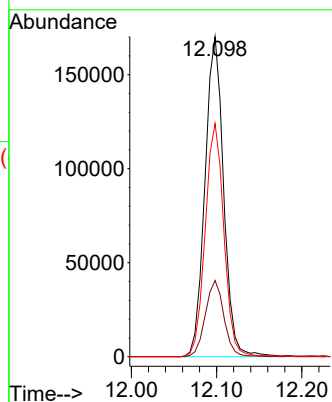
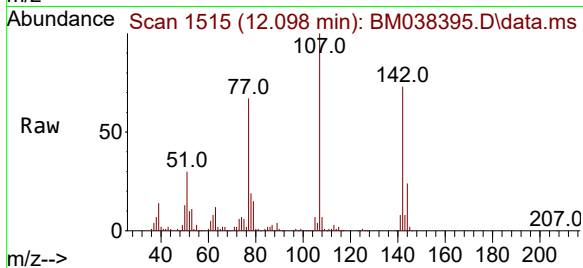




#35
4-Chloro-3-methylphenol
Concen: 41.572 ng/ul
RT: 12.098 min Scan# 1514
Delta R.T. -0.000 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

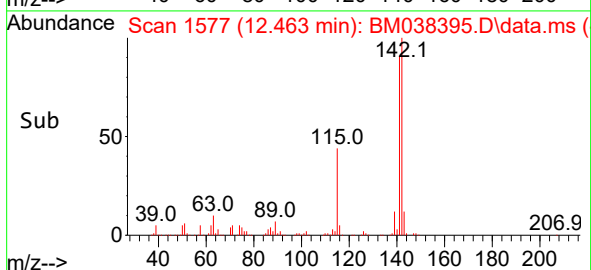
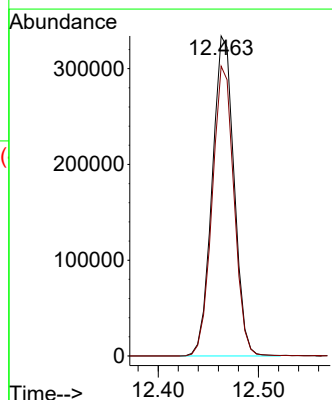
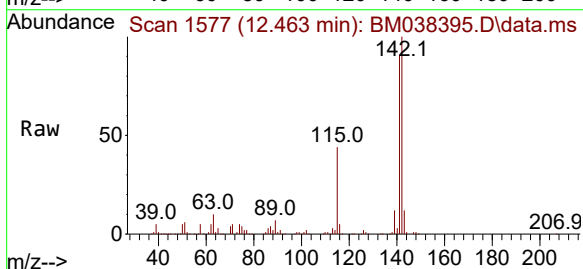
Instrument :
BNA_M
ClientSampleId :
A4433MSD

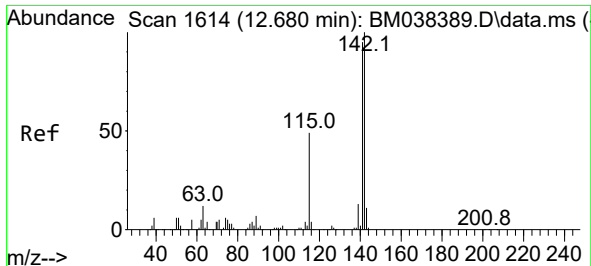
Tgt Ion:107 Resp: 259223
Ion Ratio Lower Upper
107 100
144 23.8 18.1 27.1
142 72.9 57.4 86.2



#36
2-Methylnaphthalene
Concen: 41.459 ng/ul
RT: 12.463 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

Tgt Ion:142 Resp: 505594
Ion Ratio Lower Upper
142 100
141 90.6 73.2 109.8





#37

1-Methylnaphthalene

Concen: 40.600 ng/ul

RT: 12.680 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM038395.D

Acq: 06 Jan 2023 20:36

Instrument :

BNA_M

ClientSampleId :

A4433MSD

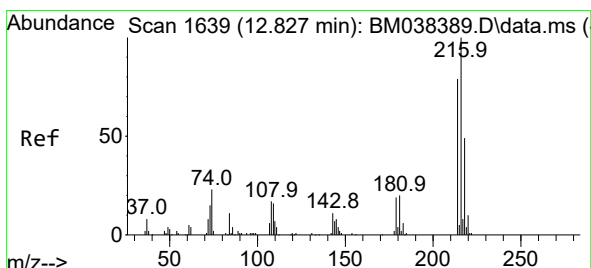
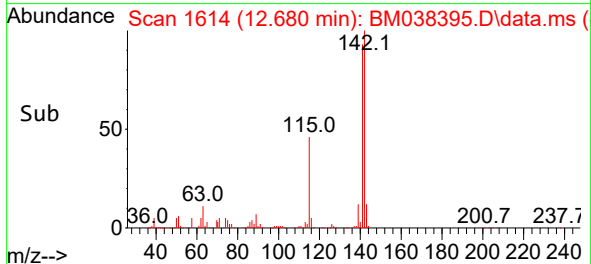
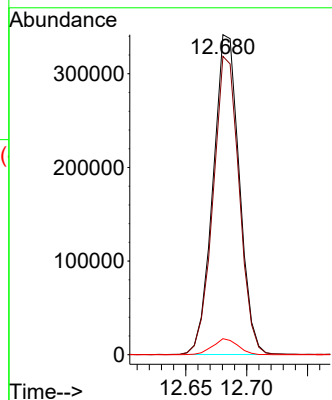
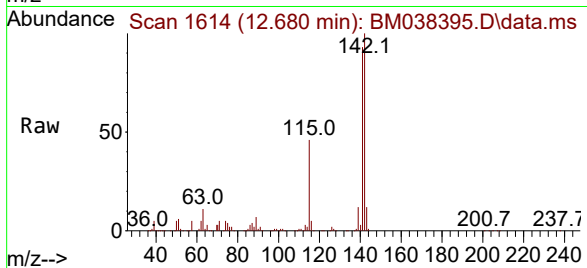
Tgt Ion:142 Resp: 512237

Ion Ratio Lower Upper

142 100

141 93.3 75.9 113.9

116 5.0 4.2 6.2



#39

1,2,4,5-Tetrachlorobenzene

Concen: 43.511 ng/ul

RT: 12.827 min Scan# 1639

Delta R.T. -0.006 min

Lab File: BM038395.D

Acq: 06 Jan 2023 20:36

Tgt Ion:216 Resp: 342867

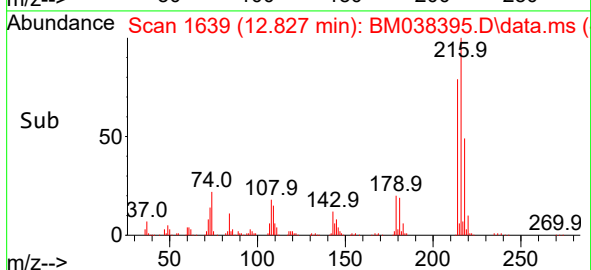
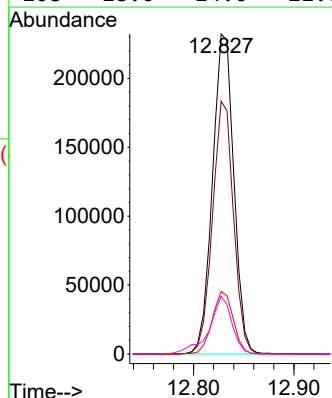
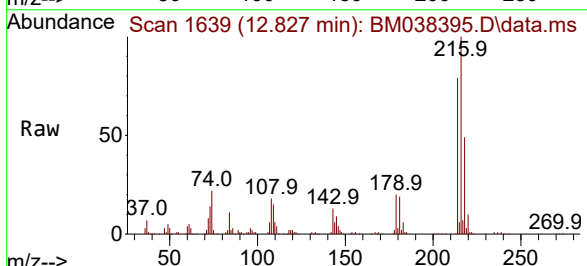
Ion Ratio Lower Upper

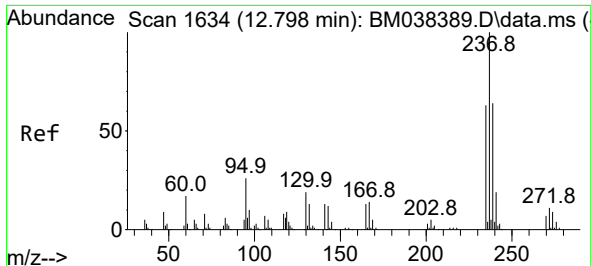
216 100

214 79.0 62.0 93.0

179 19.5 15.6 23.4

108 18.0 14.0 21.0

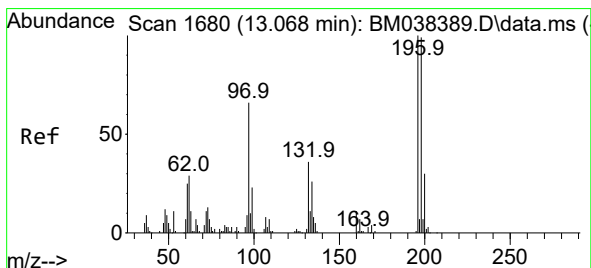
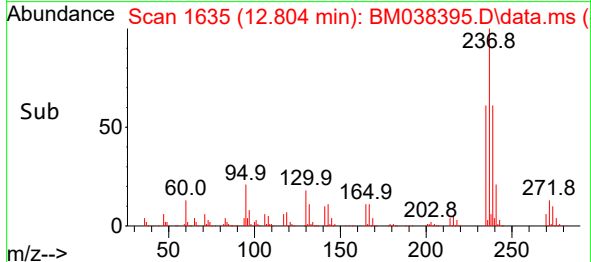
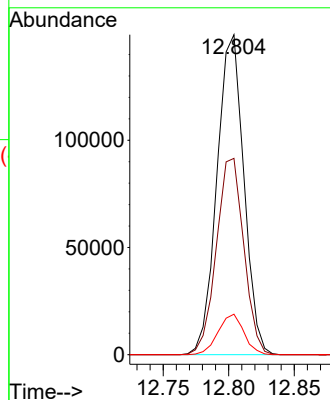
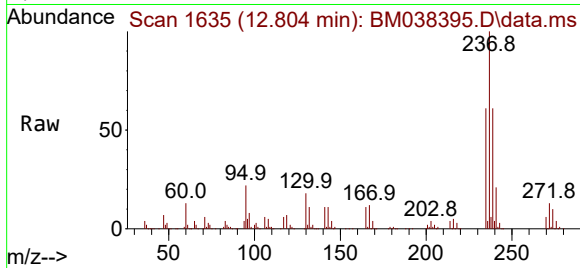




#40
Hexachlorocyclopentadiene
Concen: 38.303 ng/ul
RT: 12.804 min Scan# 1635
Delta R.T. -0.000 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

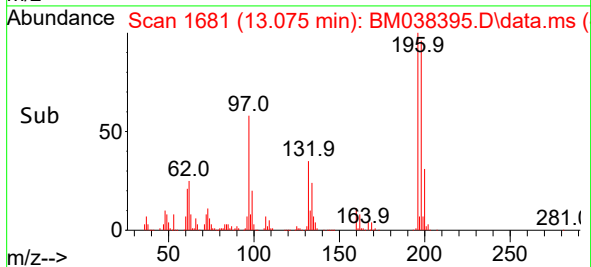
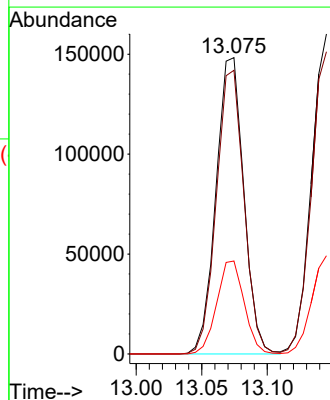
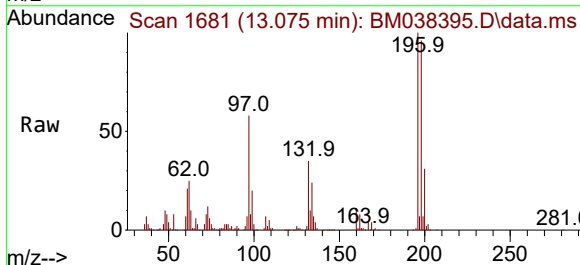
Instrument :
BNA_M
ClientSampleId :
A4433MSD

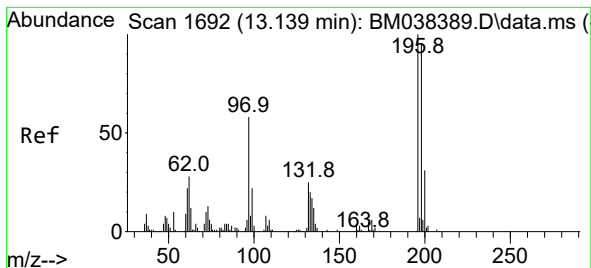
Tgt Ion:237 Resp: 213171
Ion Ratio Lower Upper
237 100
235 61.4 51.0 76.4
272 12.6 10.2 15.4



#41
2,4,6-Trichlorophenol
Concen: 44.676 ng/ul
RT: 13.075 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

Tgt Ion:196 Resp: 218513
Ion Ratio Lower Upper
196 100
198 95.7 77.7 116.5
200 31.4 25.0 37.4





#42

2,4,5-Trichlorophenol

Concen: 43.687 ng/ul

RT: 13.145 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM038395.D

Acq: 06 Jan 2023 20:36

Instrument :

BNA_M

ClientSampleId :

A4433MSD

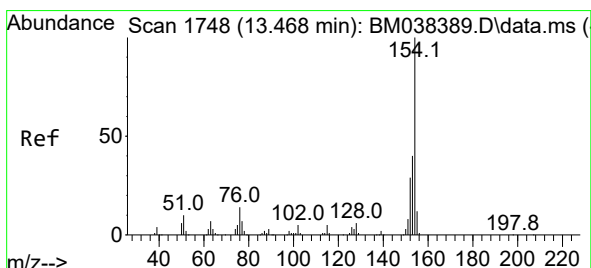
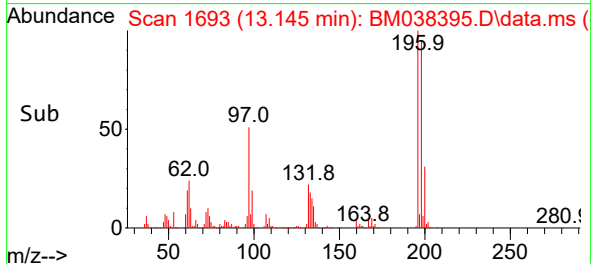
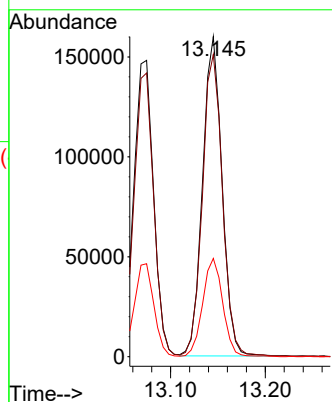
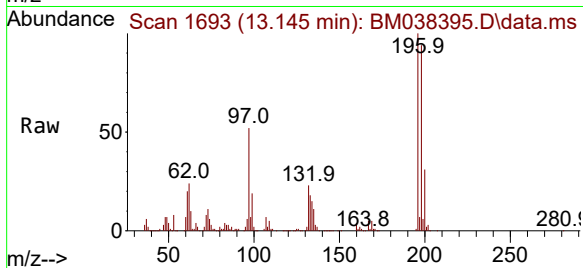
Tgt Ion:196 Resp: 228997

Ion Ratio Lower Upper

196 100

198 94.4 76.6 115.0

200 30.7 25.4 38.2



#43

1,1'-Biphenyl

Concen: 41.989 ng/ul

RT: 13.469 min Scan# 1748

Delta R.T. -0.000 min

Lab File: BM038395.D

Acq: 06 Jan 2023 20:36

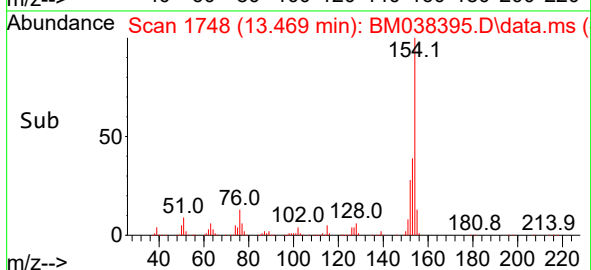
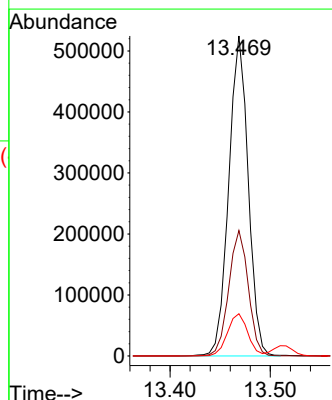
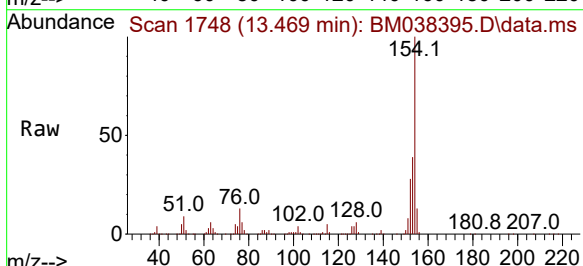
Tgt Ion:154 Resp: 707390

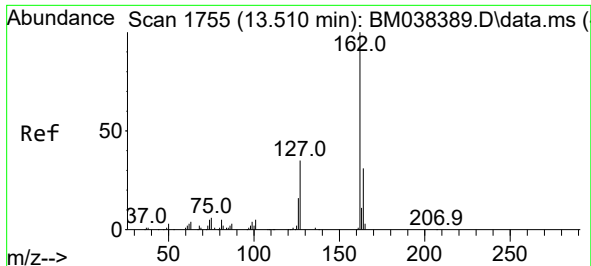
Ion Ratio Lower Upper

154 100

153 39.2 32.6 49.0

76 13.2 11.6 17.4

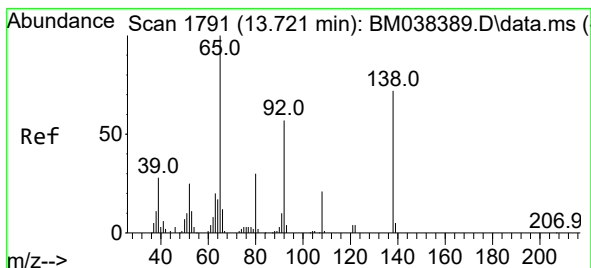
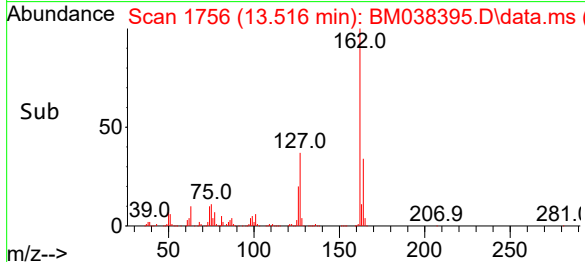
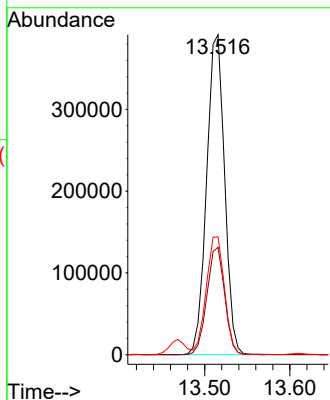
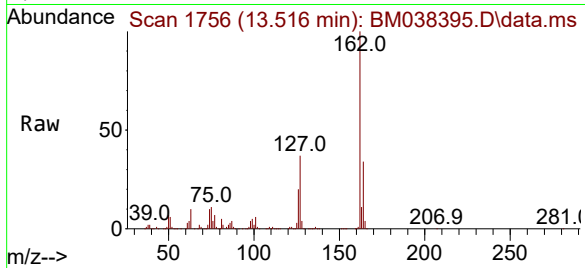




#44
2-Chloronaphthalene
Concen: 41.691 ng/ul
RT: 13.516 min Scan# 1756
Delta R.T. -0.000 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

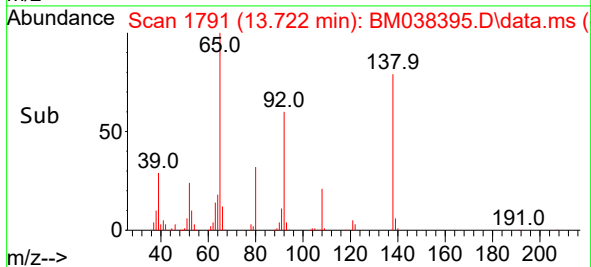
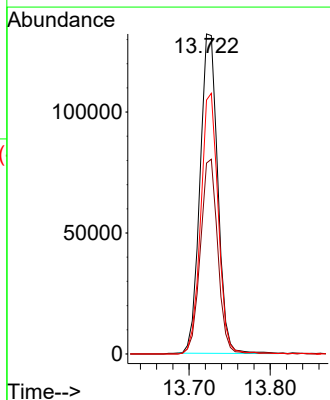
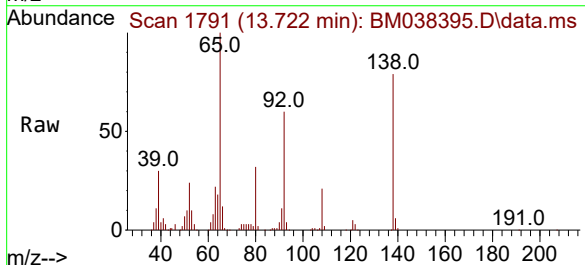
Instrument :
BNA_M
ClientSampleId :
A4433MSD

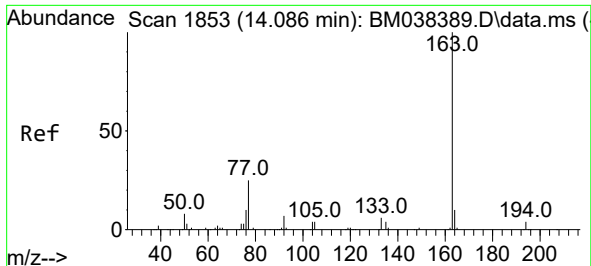
Tgt Ion:162 Resp: 573501
Ion Ratio Lower Upper
162 100
164 33.5 26.6 39.8
127 36.9 29.7 44.5



#45
2-Nitroaniline
Concen: 43.436 ng/ul
RT: 13.722 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

Tgt Ion: 65 Resp: 199873
Ion Ratio Lower Upper
65 100
92 59.6 47.6 71.4
138 79.3 64.6 96.8





#47

Dimethylphthalate

Concen: 41.512 ng/ul

RT: 14.092 min Scan# 1854

Delta R.T. -0.000 min

Lab File: BM038395.D

Acq: 06 Jan 2023 20:36

Instrument :

BNA_M

ClientSampleId :

A4433MSD

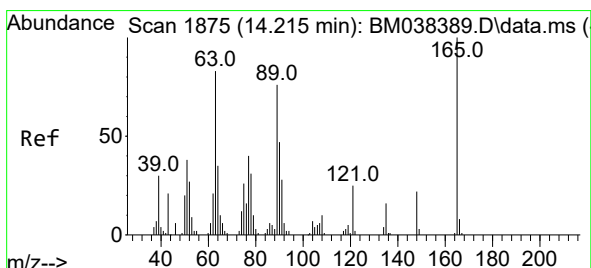
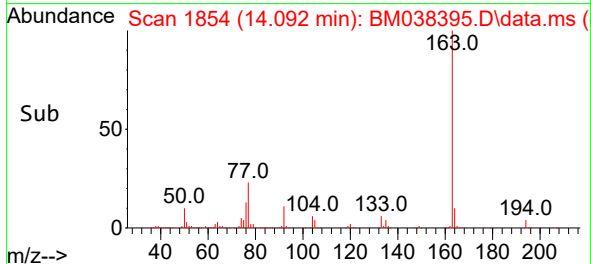
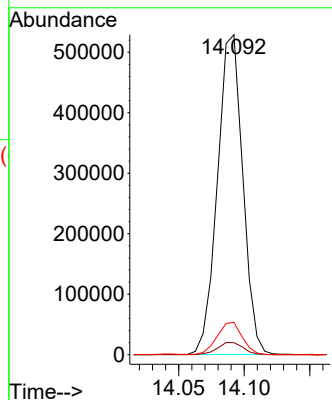
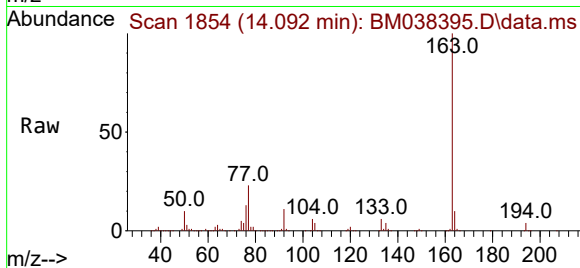
Tgt Ion:163 Resp: 711038

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

164 10.1 8.2 12.2



#48

2,6-Dinitrotoluene

Concen: 43.519 ng/ul

RT: 14.216 min Scan# 1875

Delta R.T. 0.000 min

Lab File: BM038395.D

Acq: 06 Jan 2023 20:36

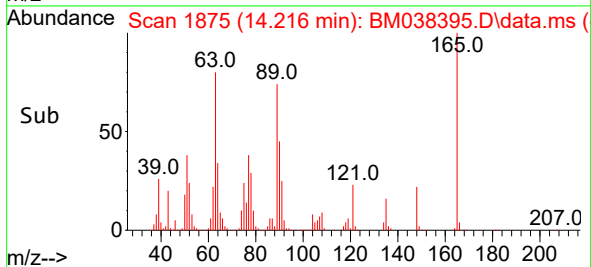
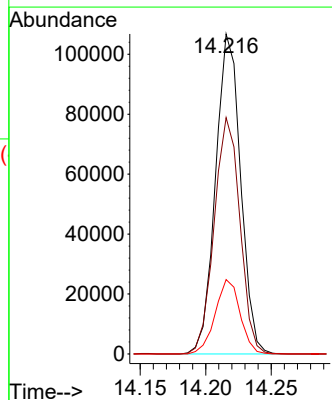
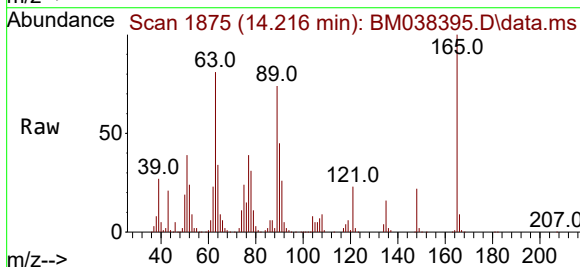
Tgt Ion:165 Resp: 141933

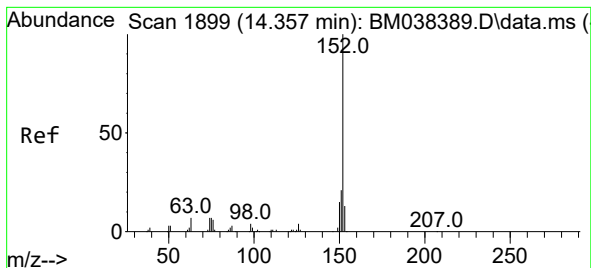
Ion Ratio Lower Upper

165 100

89 73.9 66.2 99.2

121 23.2 18.9 28.3





#50

Acenaphthylene

Concen: 40.831 ng/ul

RT: 14.357 min Scan# 1899

Delta R.T. 0.000 min

Lab File: BM038395.D

Acq: 06 Jan 2023 20:36

Instrument :

BNA_M

ClientSampleId :

A4433MSD

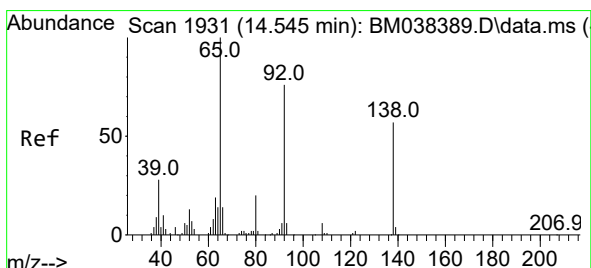
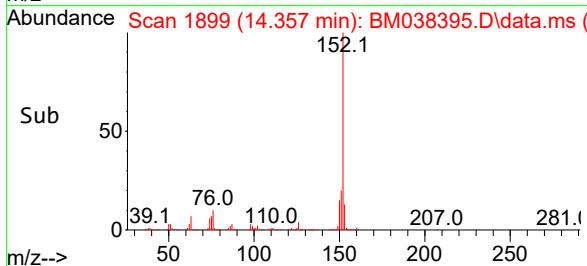
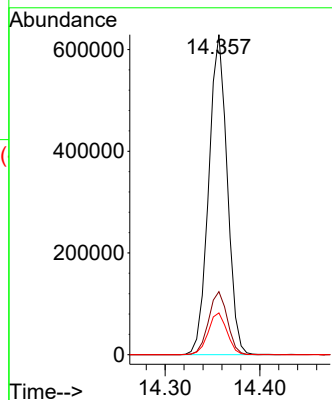
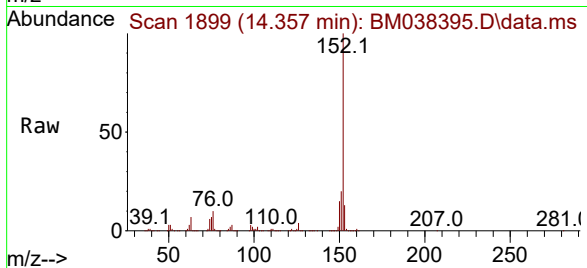
Tgt Ion:152 Resp: 852026

Ion Ratio Lower Upper

152 100

151 19.7 16.0 24.0

153 13.1 10.2 15.4



#51

3-Nitroaniline

Concen: 41.506 ng/ul

RT: 14.545 min Scan# 1931

Delta R.T. -0.000 min

Lab File: BM038395.D

Acq: 06 Jan 2023 20:36

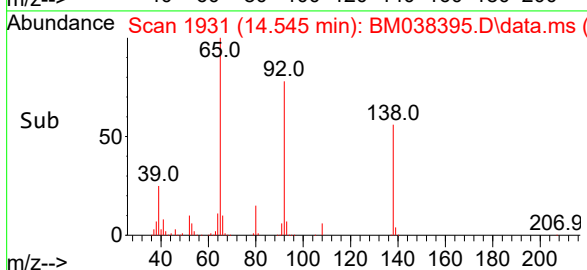
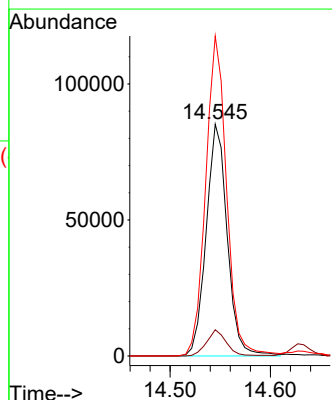
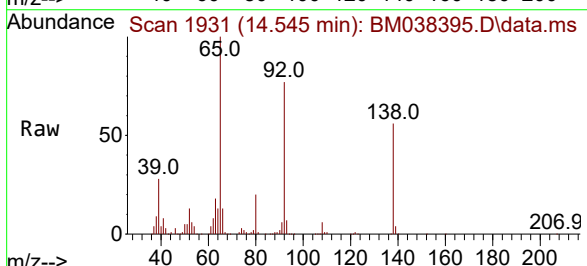
Tgt Ion:138 Resp: 124643

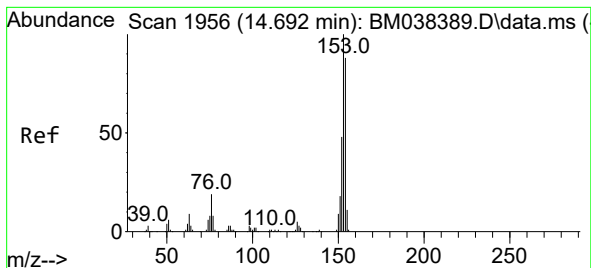
Ion Ratio Lower Upper

138 100

108 11.3 8.6 12.8

92 138.0 111.4 167.2





#52

Acenaphthene

Concen: 41.352 ng/ul

RT: 14.692 min Scan# 1956

Delta R.T. -0.006 min

Lab File: BM038395.D

Acq: 06 Jan 2023 20:36

Instrument :

BNA_M

ClientSampleId :

A4433MSD

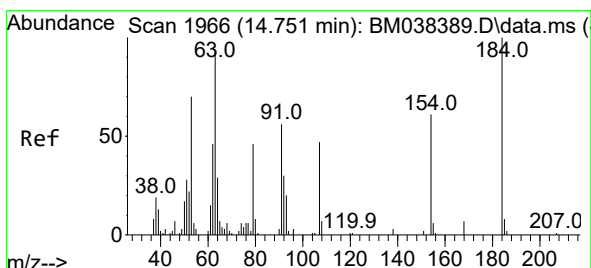
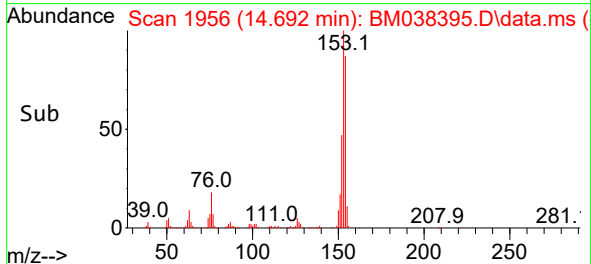
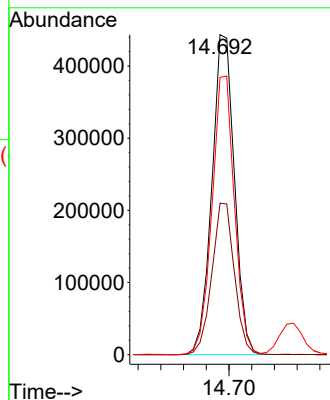
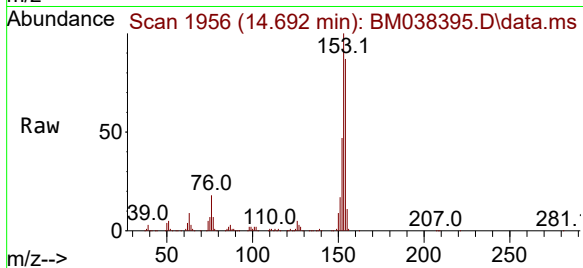
Tgt Ion:153 Resp: 610624

Ion Ratio Lower Upper

153 100

152 47.4 40.1 60.1

154 86.6 69.0 103.6



#53

2,4-Dinitrophenol

Concen: 40.496 ng/ul

RT: 14.757 min Scan# 1967

Delta R.T. -0.000 min

Lab File: BM038395.D

Acq: 06 Jan 2023 20:36

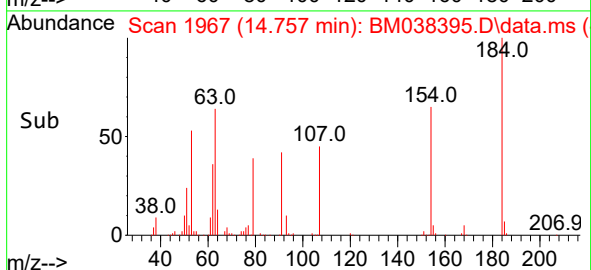
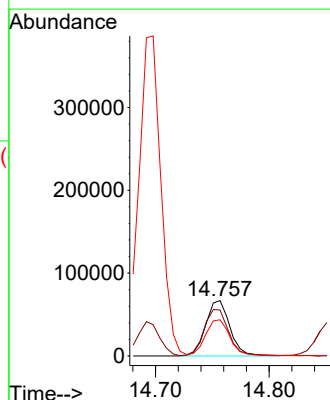
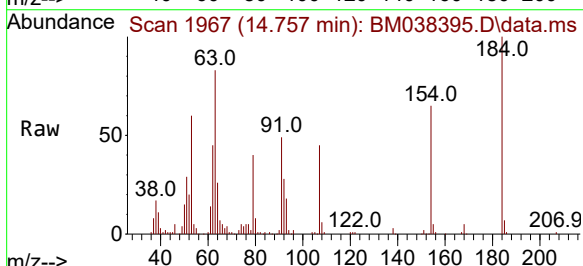
Tgt Ion:184 Resp: 98743

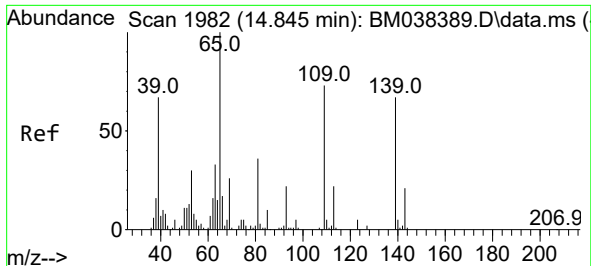
Ion Ratio Lower Upper

184 100

63 82.8 69.1 103.7

154 65.4 54.5 81.7

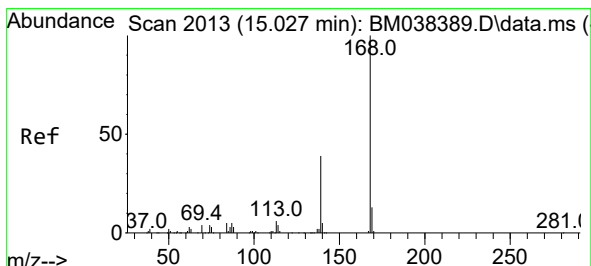
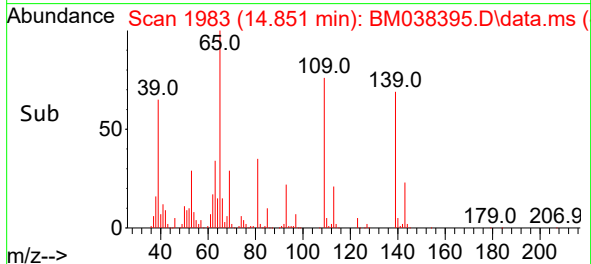
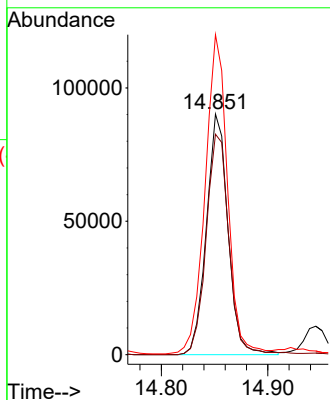
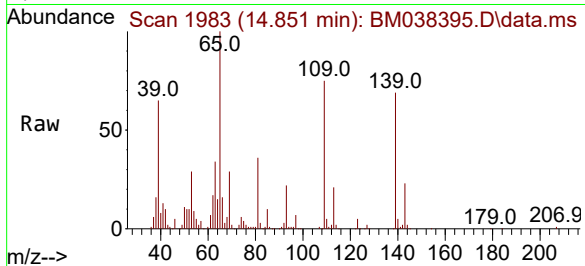




#55
4-Nitrophenol
Concen: 39.977 ng/ul
RT: 14.851 min Scan# 1982
Delta R.T. 0.000 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

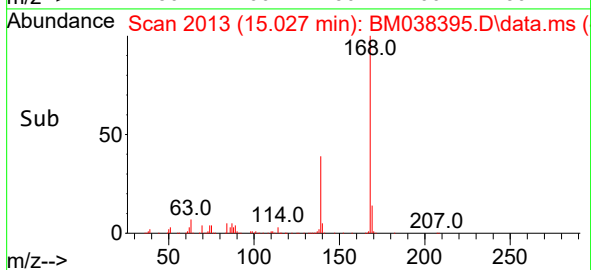
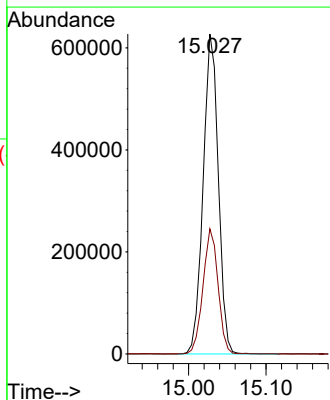
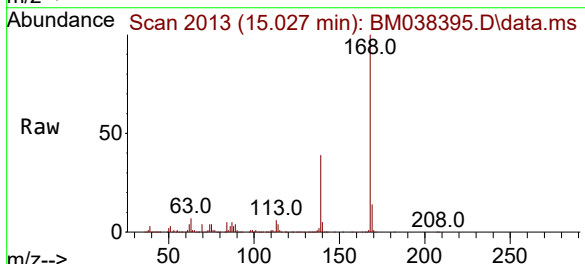
Instrument :
BNA_M
ClientSampleId :
A4433MSD

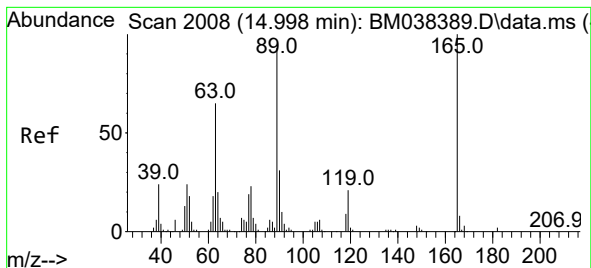
Tgt Ion:109 Resp: 127152
Ion Ratio Lower Upper
109 100
139 91.7 79.1 118.7
65 133.0 108.6 162.8



#56
Dibenzofuran
Concen: 40.621 ng/ul
RT: 15.027 min Scan# 2013
Delta R.T. -0.000 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

Tgt Ion:168 Resp: 852491
Ion Ratio Lower Upper
168 100
139 39.1 30.5 45.7





#57

2,4-Dinitrotoluene

Concen: 42.777 ng/ul

RT: 15.004 min Scan# 20

Delta R.T. 0.000 min

Lab File: BM038395.D

Acq: 06 Jan 2023 20:36

Instrument :

BNA_M

ClientSampleId :

A4433MSD

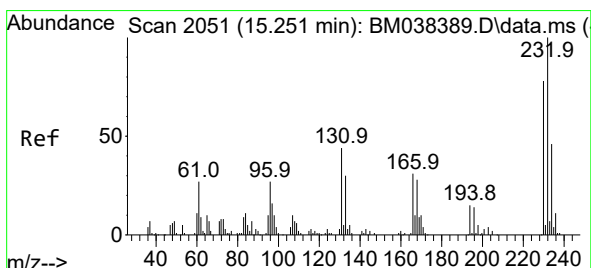
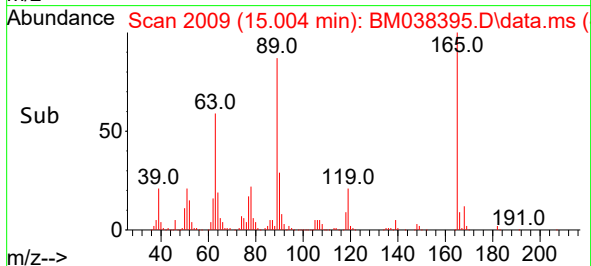
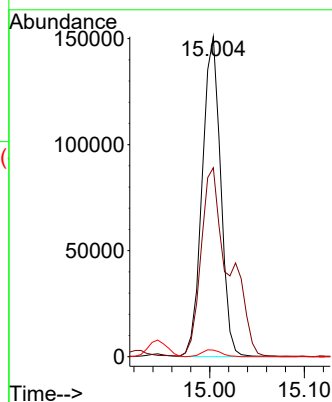
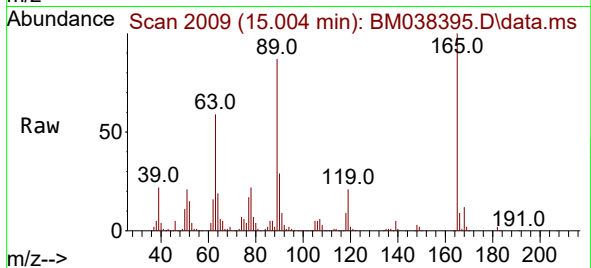
Tgt Ion:165 Resp: 204107

Ion Ratio Lower Upper

165 100

63 59.1 46.9 70.3

182 2.1 1.3 1.9#



#58

2,3,4,6-Tetrachlorophenol

Concen: 43.196 ng/ul

RT: 15.257 min Scan# 2052

Delta R.T. -0.000 min

Lab File: BM038395.D

Acq: 06 Jan 2023 20:36

Tgt Ion:232 Resp: 202241

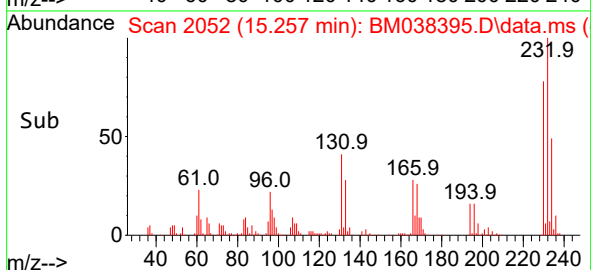
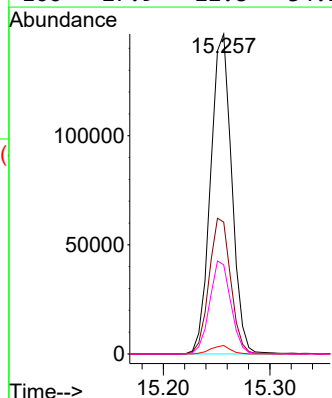
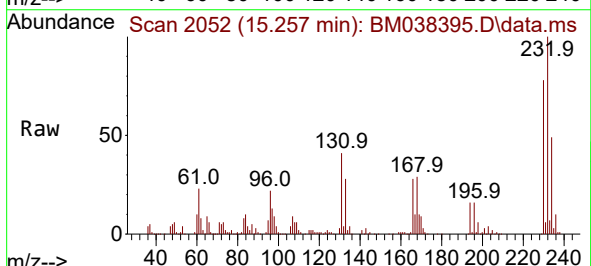
Ion Ratio Lower Upper

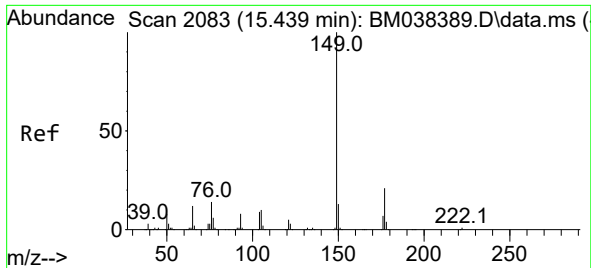
232 100

131 41.2 34.4 51.6

130 2.6 2.2 3.4

166 27.9 22.8 34.2

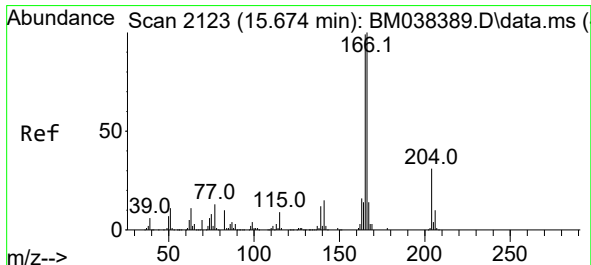
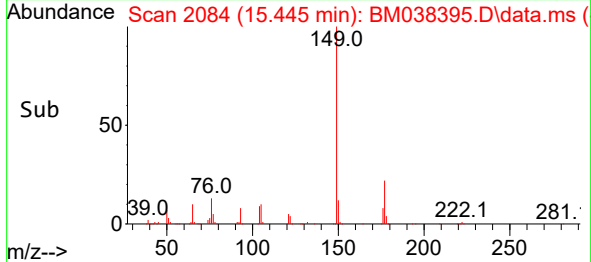
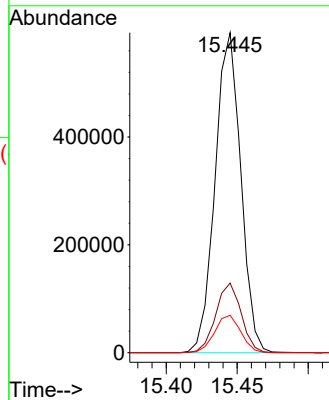
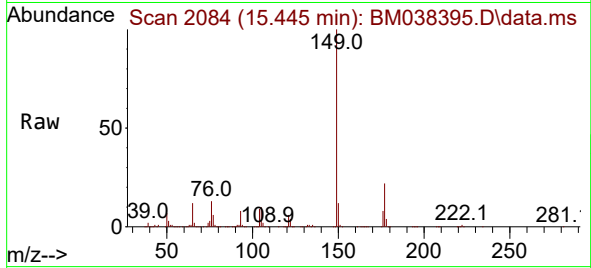




#59
Diethylphthalate
Concen: 42.021 ng/ul
RT: 15.445 min Scan# 2084
Delta R.T. 0.000 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

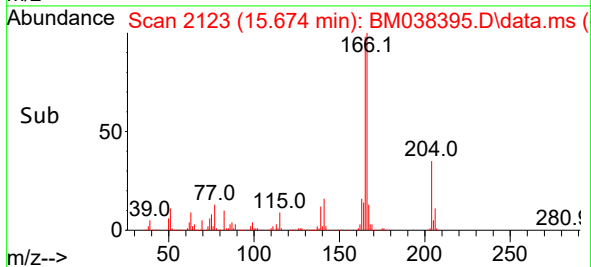
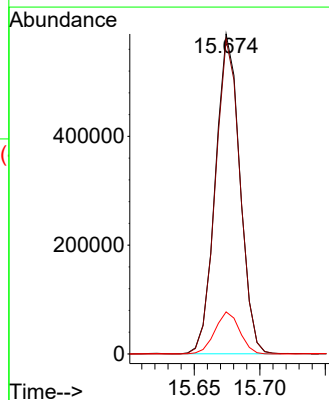
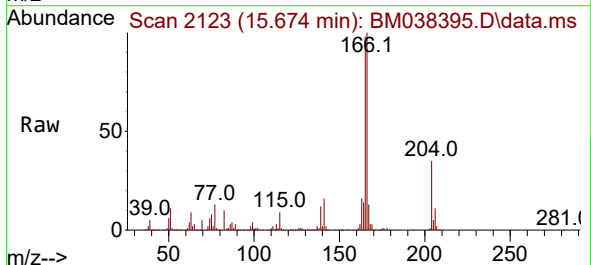
Instrument :
BNA_M
ClientSampleId :
A4433MSD

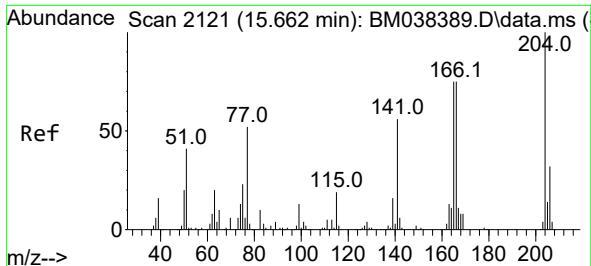
Tgt Ion:149 Resp: 746020
Ion Ratio Lower Upper
149 100
177 21.7 17.0 25.4
150 11.7 9.8 14.8



#61
Fluorene
Concen: 42.394 ng/ul
RT: 15.674 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

Tgt Ion:166 Resp: 763831
Ion Ratio Lower Upper
166 100
165 98.3 78.7 118.1
167 13.2 11.0 16.6

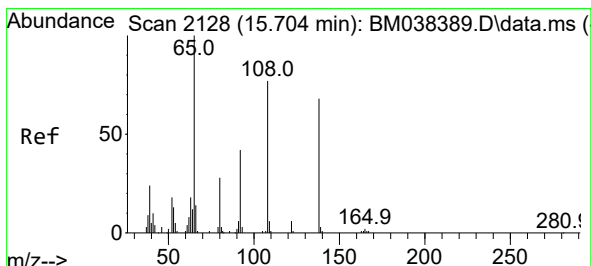
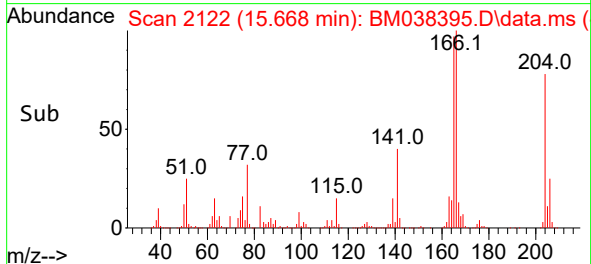
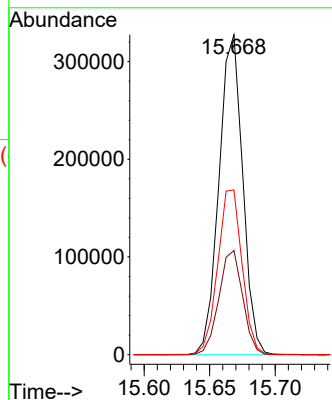
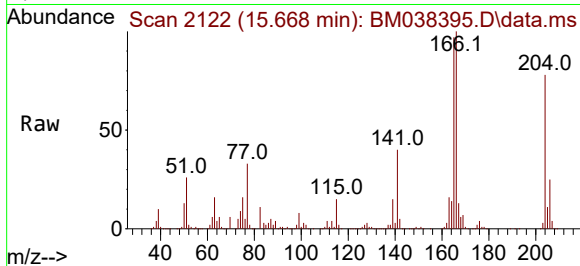




#62
4-Chlorophenyl-phenylether
Concen: 43.396 ng/ul
RT: 15.668 min Scan# 2121
Delta R.T. 0.000 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

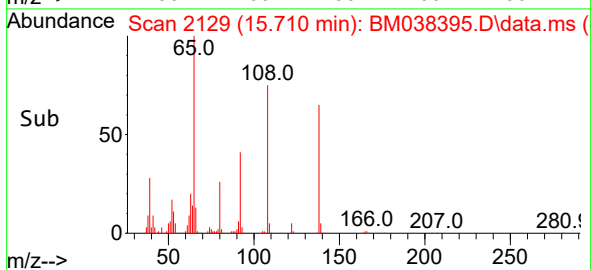
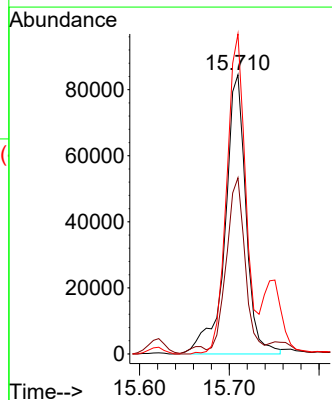
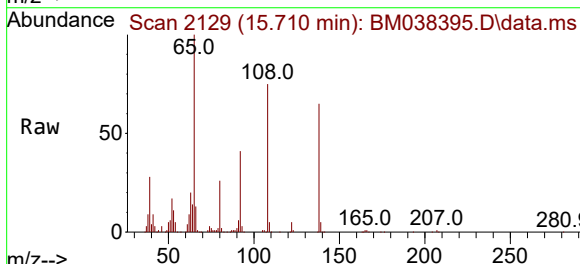
Instrument :
BNA_M
ClientSampleId :
A4433MSD

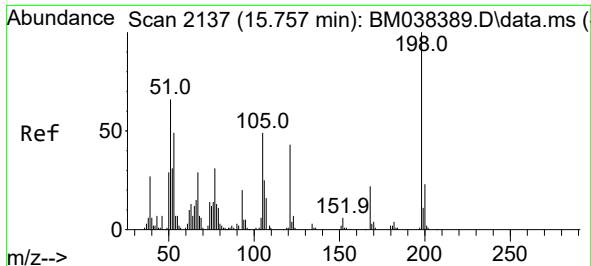
Tgt Ion:204 Resp: 411515
Ion Ratio Lower Upper
204 100
206 32.5 26.8 40.2
141 51.5 42.9 64.3



#63
4-Nitroaniline
Concen: 47.595 ng/ul
RT: 15.710 min Scan# 2129
Delta R.T. 0.006 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

Tgt Ion:138 Resp: 136773
Ion Ratio Lower Upper
138 100
92 63.1 50.2 75.2
108 114.6 89.3 133.9

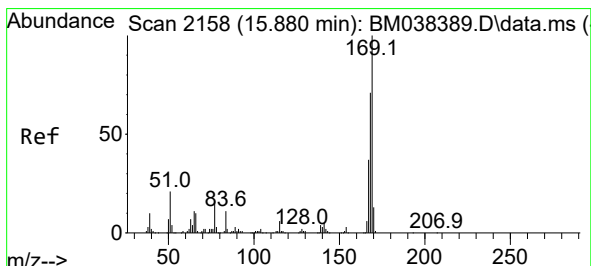
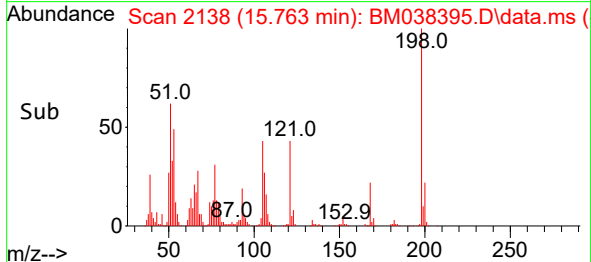
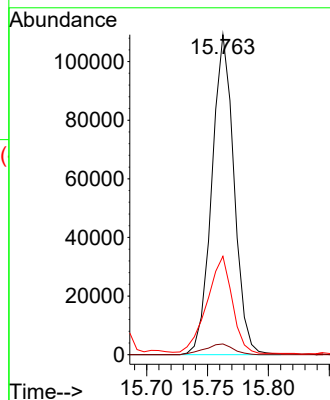
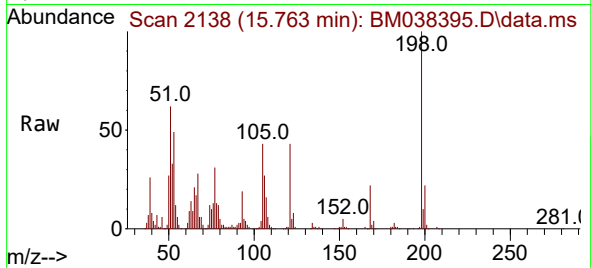




#66
4,6-Dinitro-2-methylphenol
Concen: 39.062 ng/ul
RT: 15.763 min Scan# 2138
Delta R.T. -0.000 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

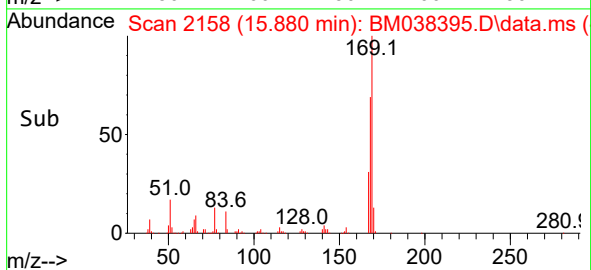
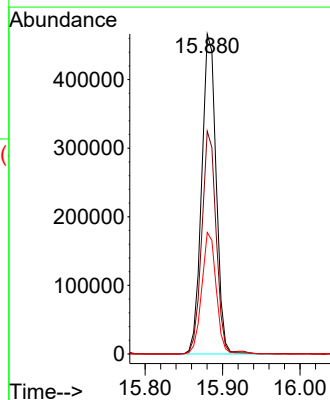
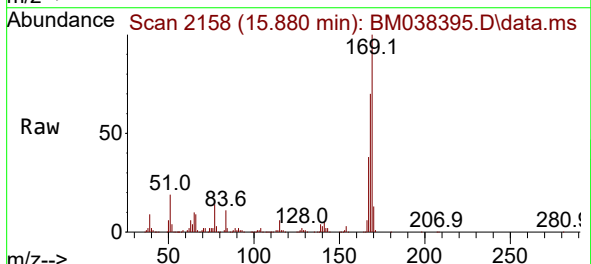
Instrument :
BNA_M
ClientSampleId :
A4433MSD

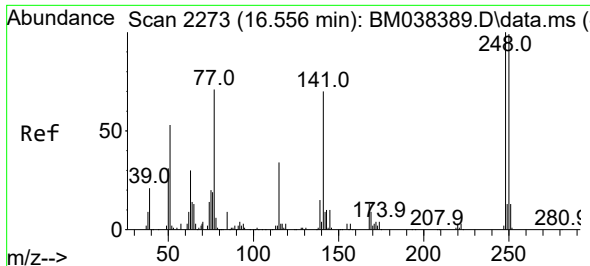
Tgt Ion:198 Resp: 138744
Ion Ratio Lower Upper
198 100
182 3.4 3.0 4.6
77 30.8 24.8 37.2



#67
N-Nitrosodiphenylamine
Concen: 41.427 ng/ul
RT: 15.880 min Scan# 2158
Delta R.T. -0.006 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

Tgt Ion:169 Resp: 604137
Ion Ratio Lower Upper
169 100
168 69.6 56.4 84.6
167 37.9 30.5 45.7

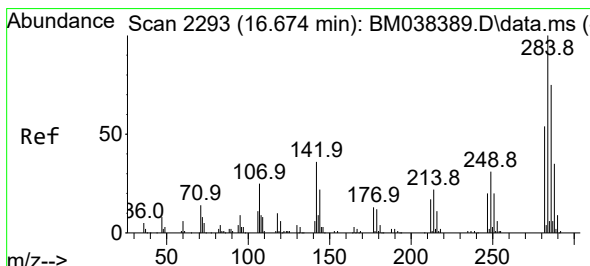
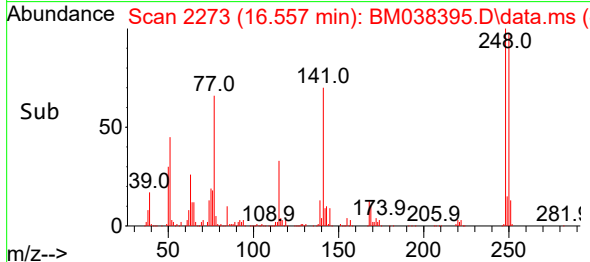
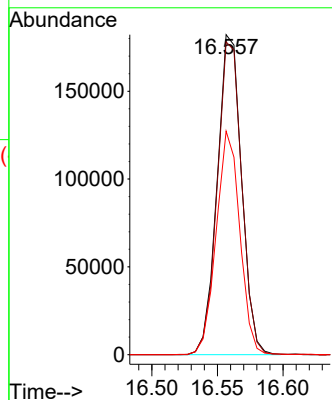
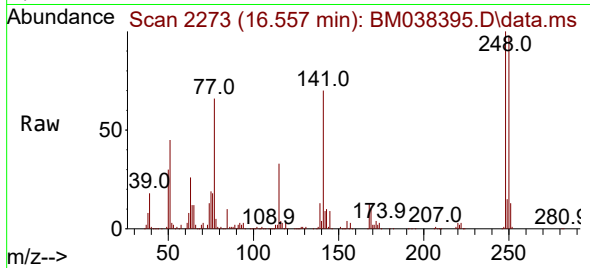




#68
4-Bromophenyl-phenylether
Concen: 43.490 ng/ul
RT: 16.557 min Scan# 211
Delta R.T. -0.006 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

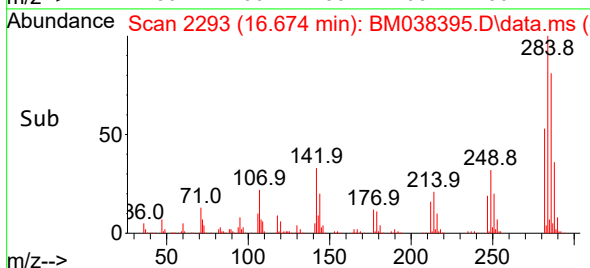
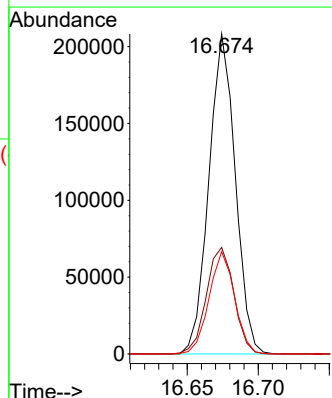
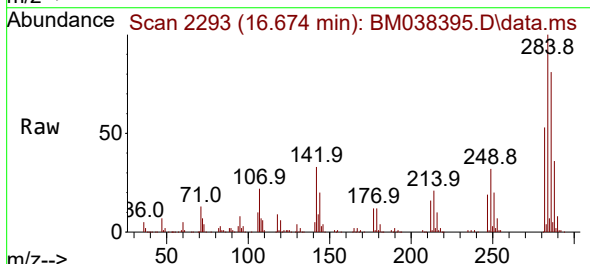
Instrument :
BNA_M
ClientSampleId :
A4433MSD

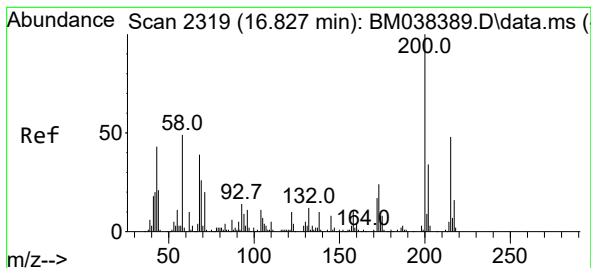
Tgt Ion:248 Resp: 235637
Ion Ratio Lower Upper
248 100
250 97.8 76.7 115.1
141 69.9 50.3 75.5



#69
Hexachlorobenzene
Concen: 43.068 ng/ul
RT: 16.674 min Scan# 2293
Delta R.T. 0.000 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

Tgt Ion:284 Resp: 269158
Ion Ratio Lower Upper
284 100
142 33.3 30.1 45.1
249 31.9 25.0 37.4





#70

Atrazine

Concen: 39.238 ng/ul

RT: 16.833 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM038395.D

Acq: 06 Jan 2023 20:36

Instrument :

BNA_M

ClientSampleId :

A4433MSD

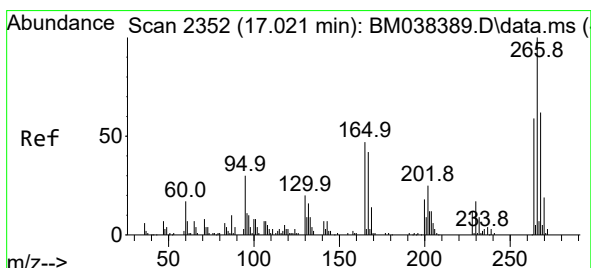
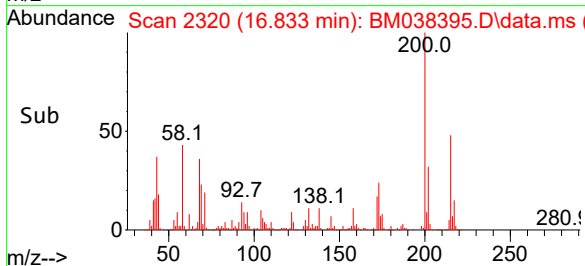
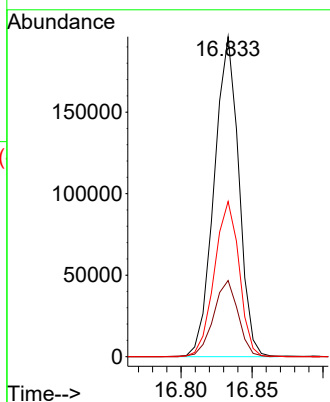
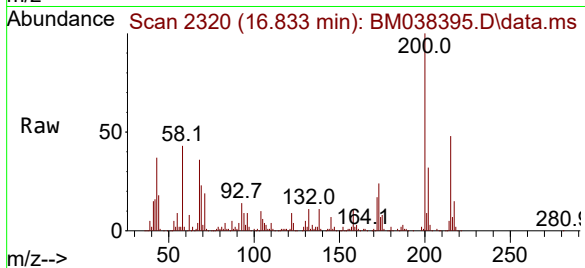
Tgt Ion:200 Resp: 236523

Ion Ratio Lower Upper

200 100

173 23.8 18.6 27.8

215 48.5 41.1 61.7



#71

Pentachlorophenol

Concen: 39.053 ng/ul

RT: 17.021 min Scan# 2352

Delta R.T. 0.000 min

Lab File: BM038395.D

Acq: 06 Jan 2023 20:36

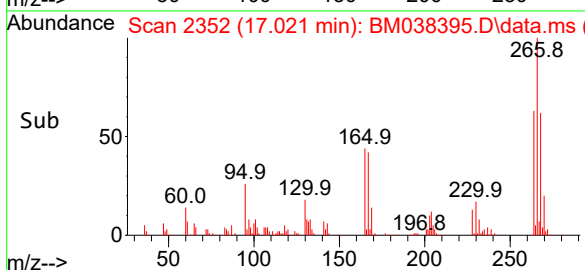
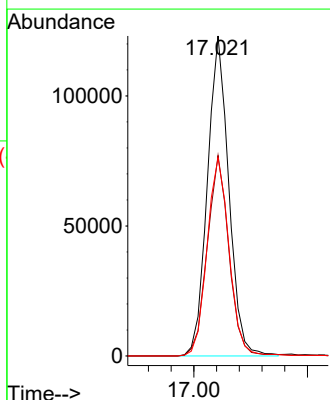
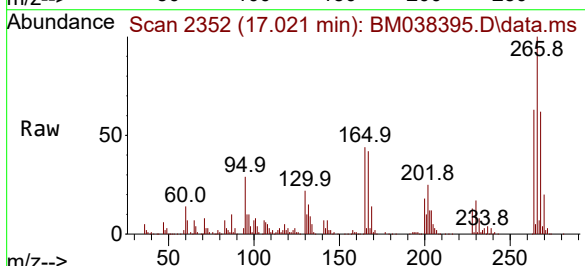
Tgt Ion:266 Resp: 161069

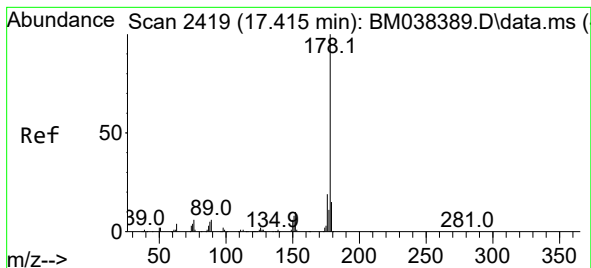
Ion Ratio Lower Upper

266 100

264 62.6 51.6 77.4

268 62.0 50.9 76.3





#72

Phenanthrene

Concen: 40.908 ng/ul

RT: 17.415 min Scan# 2419

Delta R.T. -0.000 min

Lab File: BM038395.D

Acq: 06 Jan 2023 20:36

Instrument :

BNA_M

ClientSampleId :

A4433MSD

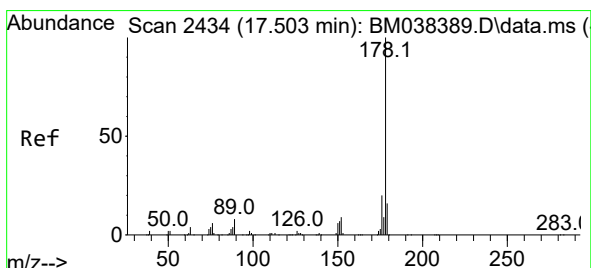
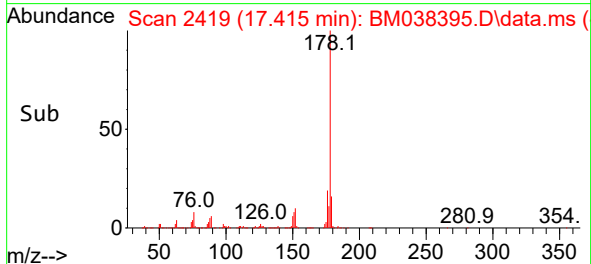
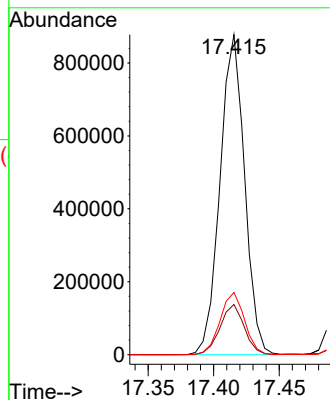
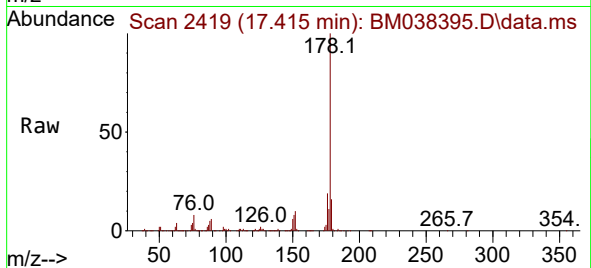
Tgt Ion:178 Resp: 1141595

Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.4

176 19.4 15.4 23.2



#74

Anthracene

Concen: 40.688 ng/ul

RT: 17.504 min Scan# 2434

Delta R.T. -0.006 min

Lab File: BM038395.D

Acq: 06 Jan 2023 20:36

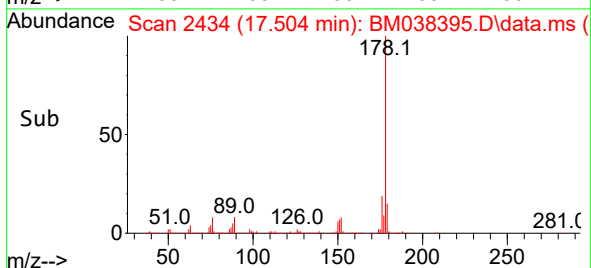
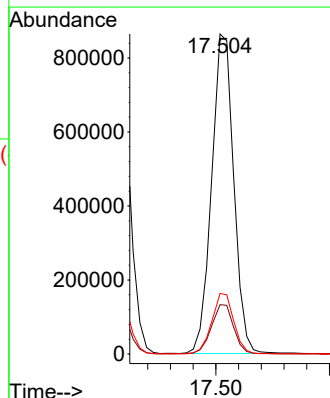
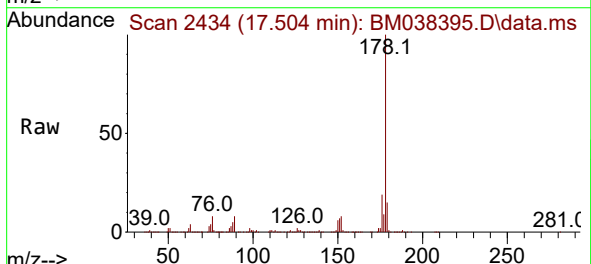
Tgt Ion:178 Resp: 1167580

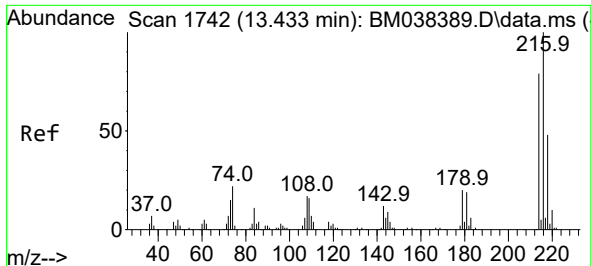
Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.4

176 18.9 15.5 23.3

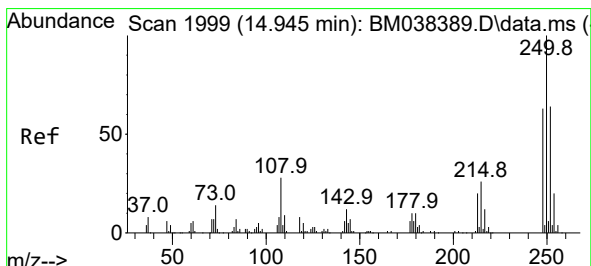
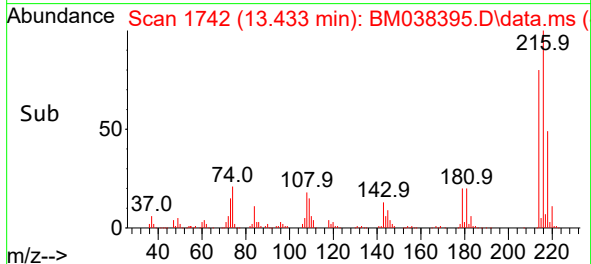
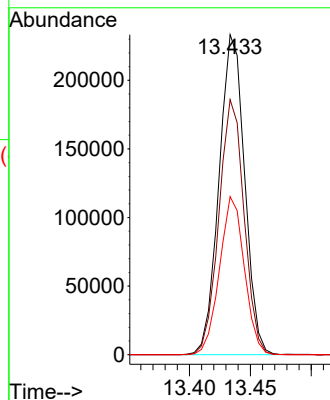
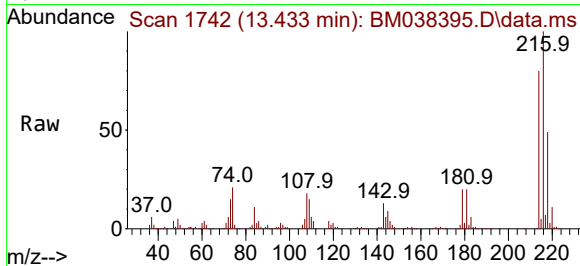




#75
1,2,3,4-Tetrachlorobenzene
Concen: 44.274 ng/uL
RT: 13.433 min Scan# 1742
Delta R.T. -0.006 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

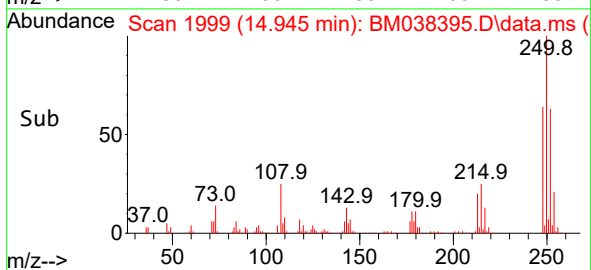
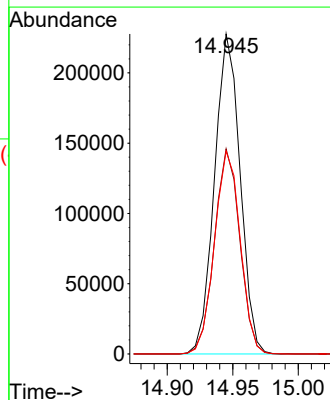
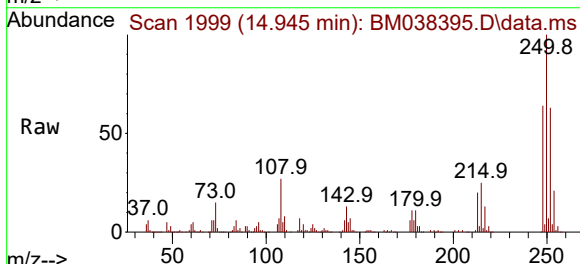
Instrument :
BNA_M
ClientSampleId :
A4433MSD

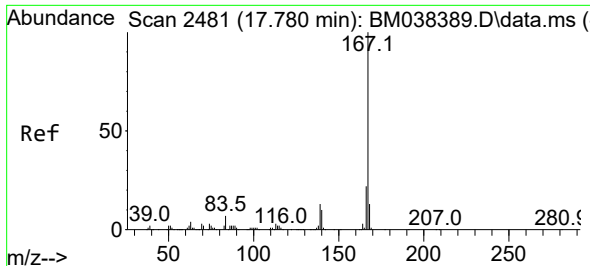
Tgt Ion:216 Resp: 341765
Ion Ratio Lower Upper
216 100
214 79.7 60.2 90.4
218 49.4 38.2 57.4



#76
Pentachlorobenzene
Concen: 41.558 ng/uL
RT: 14.945 min Scan# 1999
Delta R.T. -0.006 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

Tgt Ion:250 Resp: 309115
Ion Ratio Lower Upper
250 100
248 64.1 50.3 75.5
252 63.4 53.2 79.8

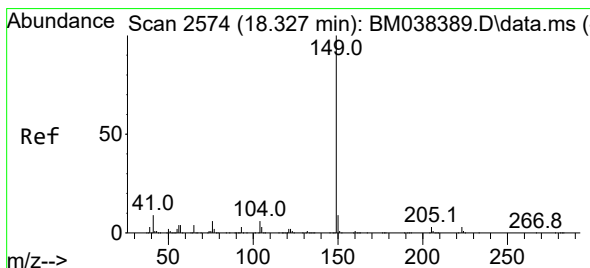
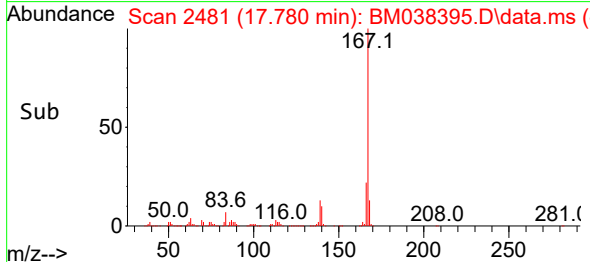
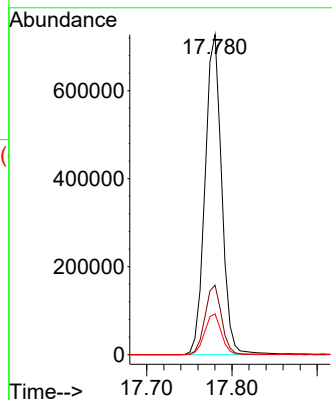
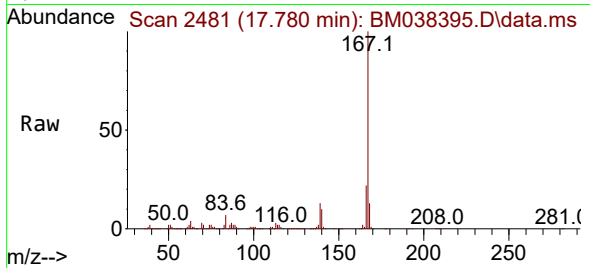




#77
 Carbazole
 Concen: 37.569 ng/ul
 RT: 17.780 min Scan# 2481
 Delta R.T. -0.000 min
 Lab File: BM038395.D
 Acq: 06 Jan 2023 20:36

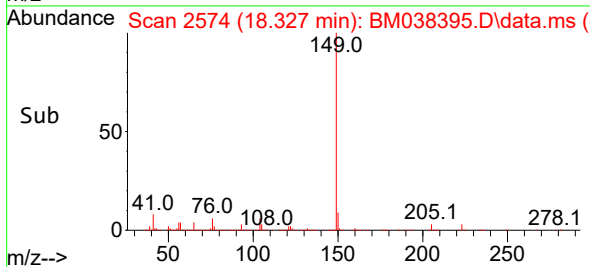
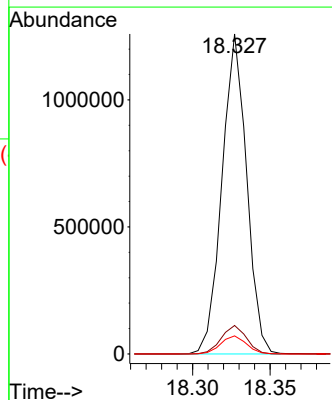
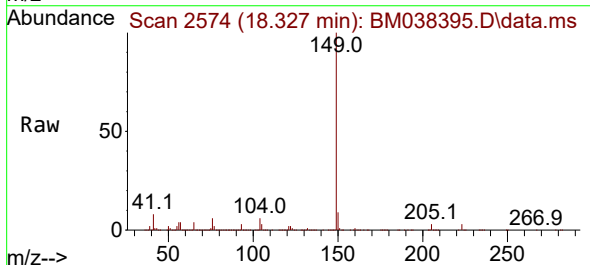
Instrument :
 BNA_M
 ClientSampleId :
 A4433MSD

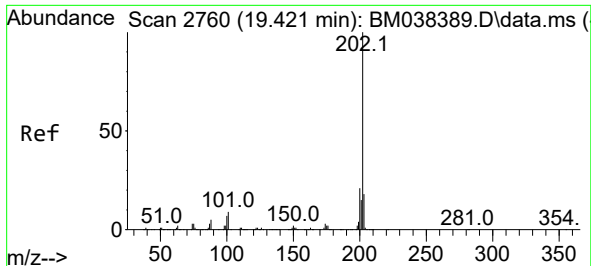
Tgt Ion:167 Resp: 988483
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.8 26.8
 139 12.8 10.2 15.2



#78
 Di-n-butylphthalate
 Concen: 44.264 ng/ul
 RT: 18.327 min Scan# 2574
 Delta R.T. 0.000 min
 Lab File: BM038395.D
 Acq: 06 Jan 2023 20:36

Tgt Ion:149 Resp: 1391491
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.4 11.0
 104 5.7 4.8 7.2

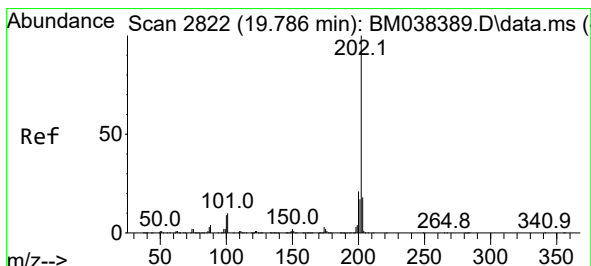
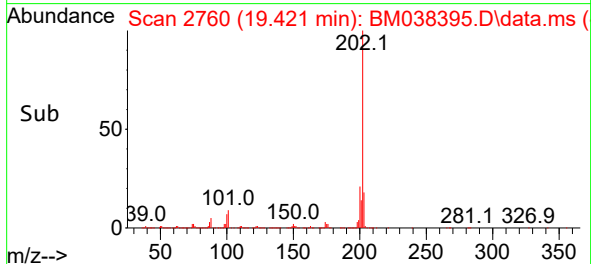
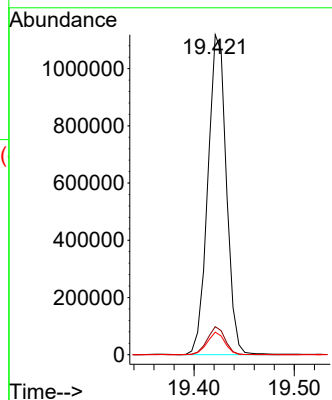
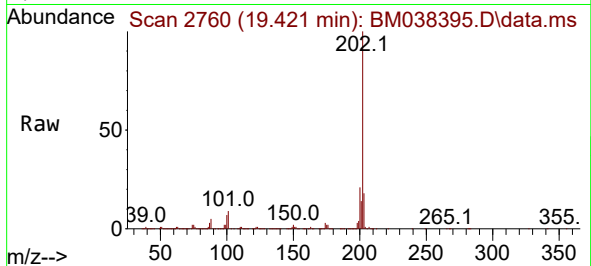




#80
Fluoranthene
Concen: 42.756 ng/ul
RT: 19.421 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

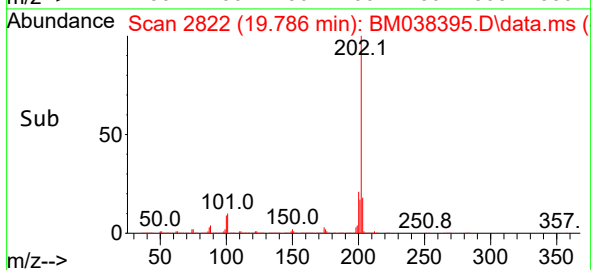
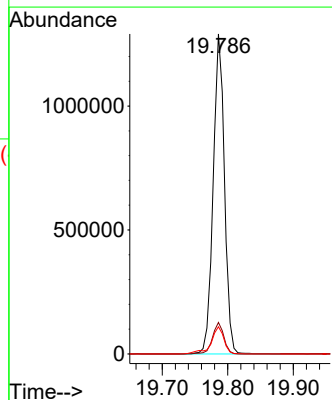
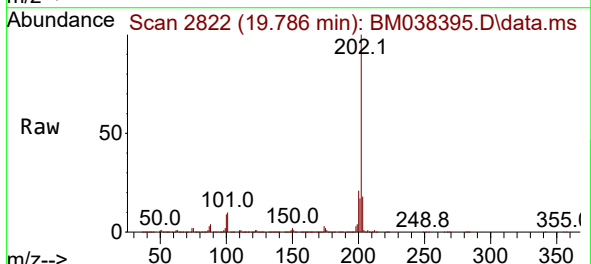
Instrument :
BNA_M
ClientSampleId :
A4433MSD

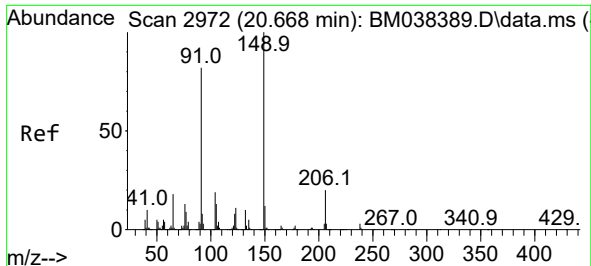
Tgt Ion:202 Resp: 1436540
Ion Ratio Lower Upper
202 100
101 8.8 7.0 10.6
100 7.1 5.8 8.8



#82
Pyrene
Concen: 42.068 ng/ul
RT: 19.786 min Scan# 2822
Delta R.T. -0.000 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

Tgt Ion:202 Resp: 1540353
Ion Ratio Lower Upper
202 100
101 9.8 8.6 13.0
100 8.5 7.4 11.0

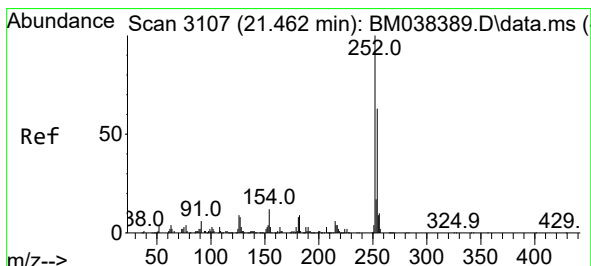
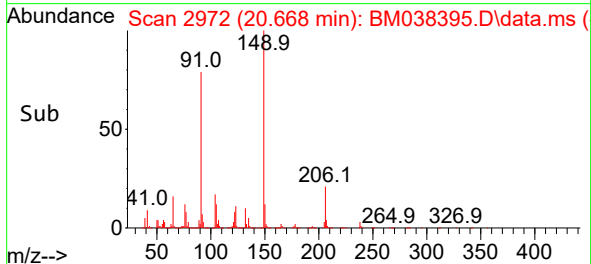
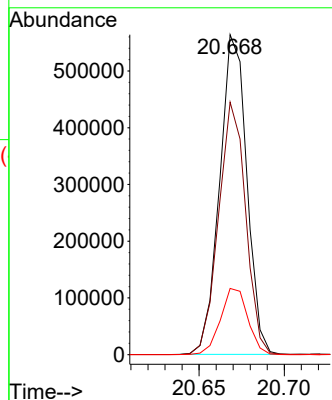
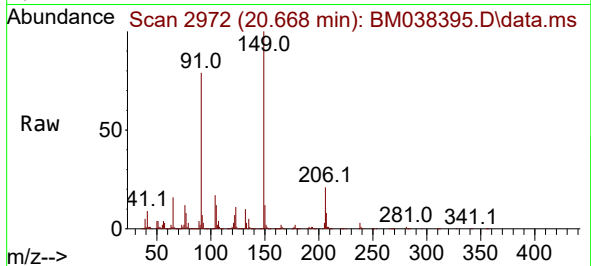




#83
Butylbenzylphthalate
Concen: 44.525 ng/ul
RT: 20.668 min Scan# 2972
Delta R.T. -0.006 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

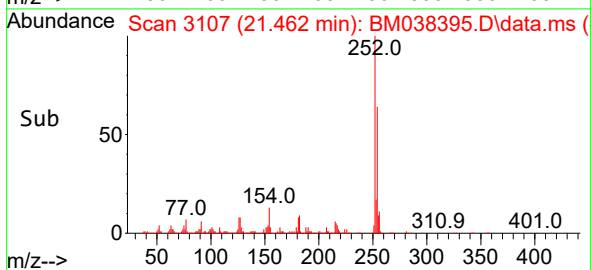
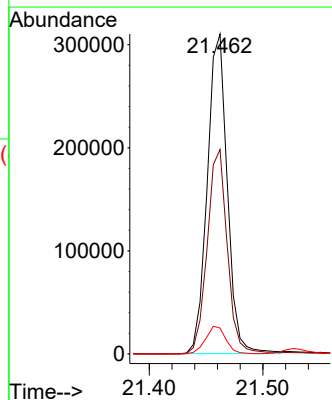
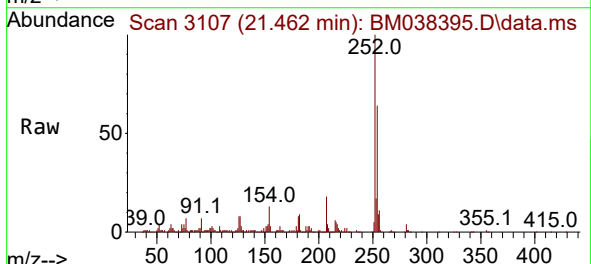
Instrument :
BNA_M
ClientSampleId :
A4433MSD

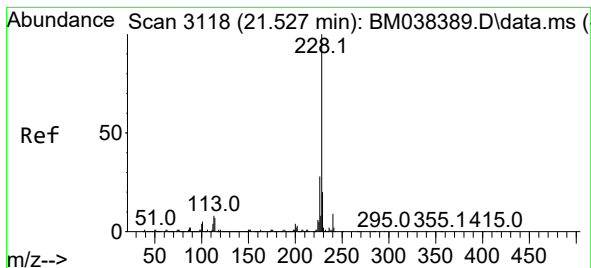
Tgt Ion:149 Resp: 625234
Ion Ratio Lower Upper
149 100
91 78.9 65.0 97.6
206 20.7 16.0 24.0



#84
3,3'-Dichlorobenzidine
Concen: 34.188 ng/ul
RT: 21.462 min Scan# 3107
Delta R.T. -0.000 min
Lab File: BM038395.D
Acq: 06 Jan 2023 20:36

Tgt Ion:252 Resp: 380619
Ion Ratio Lower Upper
252 100
254 63.9 52.1 78.1
126 8.1 6.4 9.6





#85

Benzo(a)anthracene

Concen: 41.746 ng/ul

RT: 21.527 min Scan# 3118

Delta R.T. -0.000 min

Lab File: BM038395.D

Acq: 06 Jan 2023 20:36

Instrument :

BNA_M

ClientSampleId :

A4433MSD

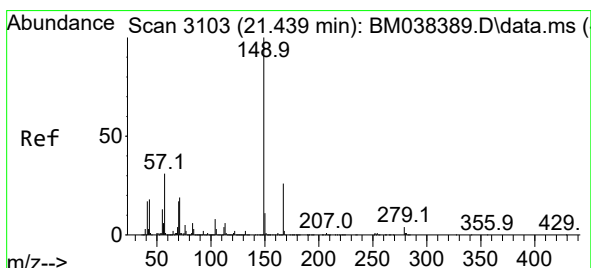
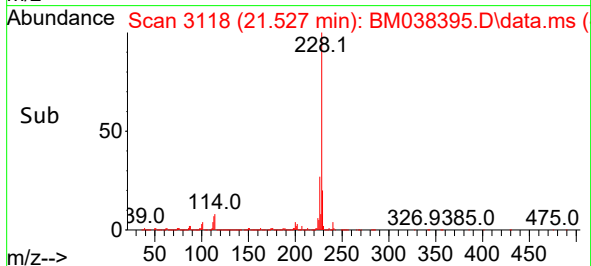
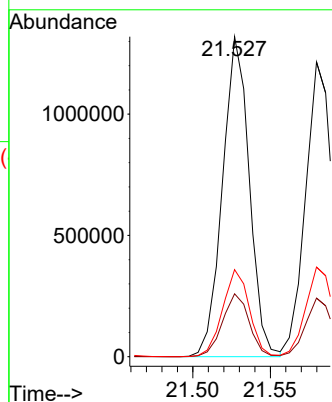
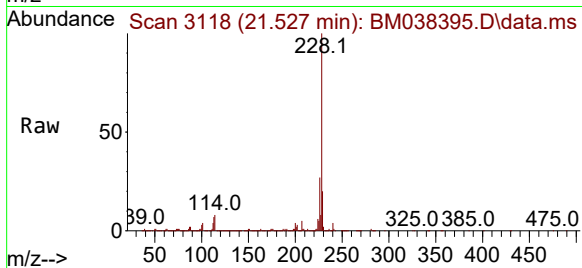
Tgt Ion:228 Resp: 1586115

Ion Ratio Lower Upper

228 100

229 19.6 15.6 23.4

226 27.2 21.1 31.7



#86

Bis(2-ethylhexyl)phthalate

Concen: 57.813 ng/ul

RT: 21.439 min Scan# 3103

Delta R.T. -0.000 min

Lab File: BM038395.D

Acq: 06 Jan 2023 20:36

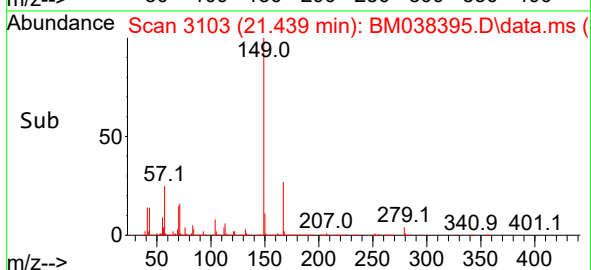
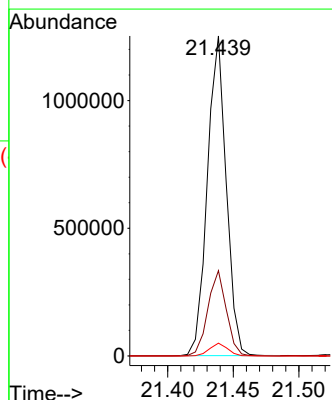
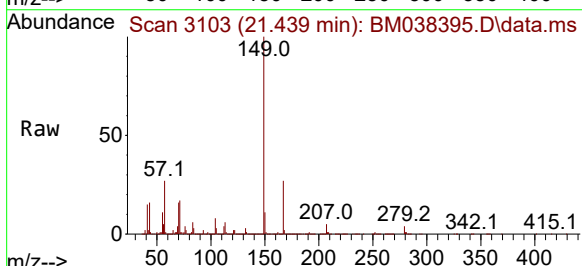
Tgt Ion:149 Resp: 1253179

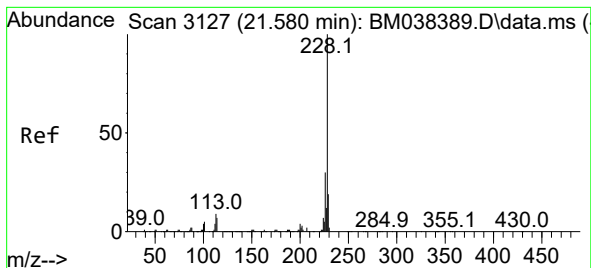
Ion Ratio Lower Upper

149 100

167 26.6 19.7 29.5

279 4.0 2.8 4.2





#87

Chrysene

Concen: 40.789 ng/ul

RT: 21.580 min Scan# 3127

Delta R.T. -0.000 min

Lab File: BM038395.D

Acq: 06 Jan 2023 20:36

Instrument :

BNA_M

ClientSampleId :

A4433MSD

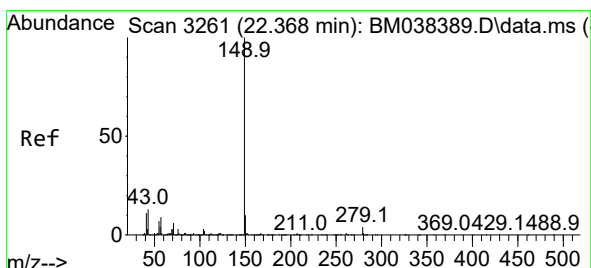
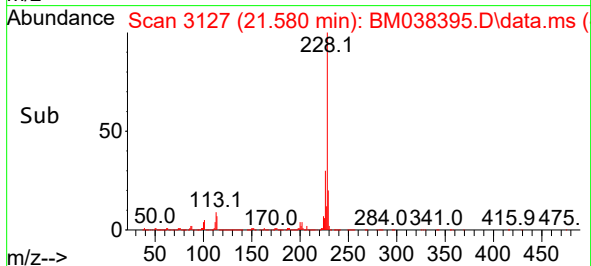
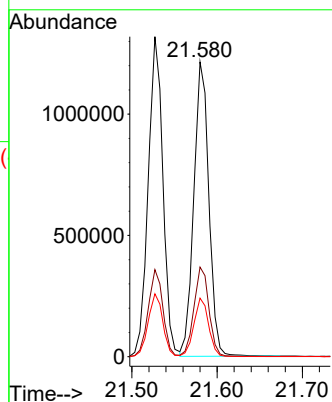
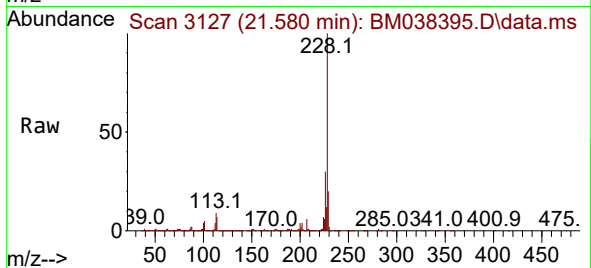
Tgt Ion:228 Resp: 1488807

Ion Ratio Lower Upper

228 100

226 30.4 24.0 36.0

229 19.9 15.4 23.0



#89

Di-n-octyl phthalate

Concen: 43.292 ng/ul

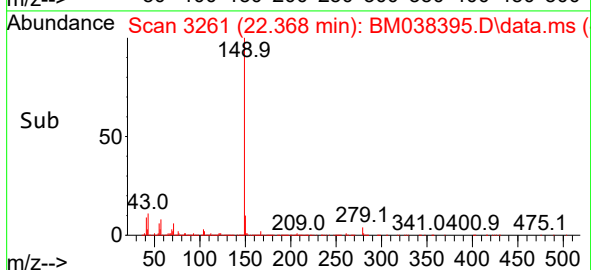
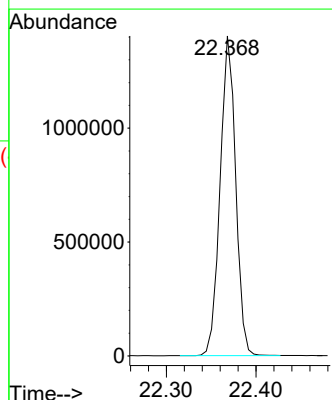
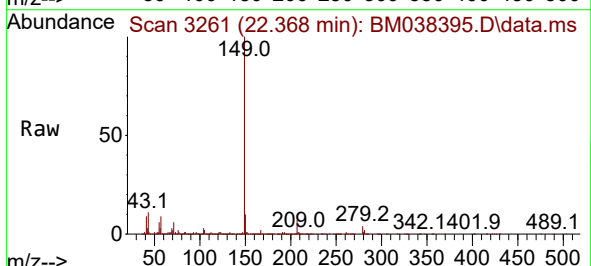
RT: 22.368 min Scan# 3261

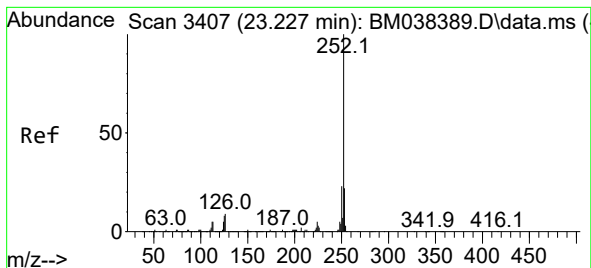
Delta R.T. -0.000 min

Lab File: BM038395.D

Acq: 06 Jan 2023 20:36

Tgt Ion:149 Resp: 1690840





#90

Benzo(b)fluoranthene

Concen: 44.986 ng/ul

RT: 23.227 min Scan# 3407

Delta R.T. -0.006 min

Lab File: BM038395.D

Acq: 06 Jan 2023 20:36

Instrument :

BNA_M

ClientSampleId :

A4433MSD

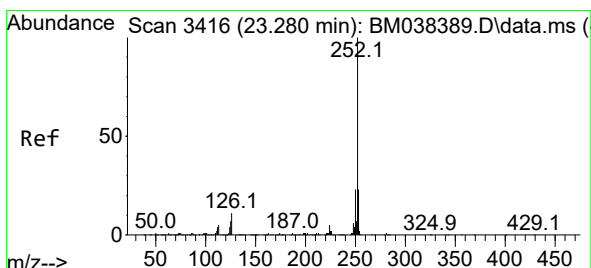
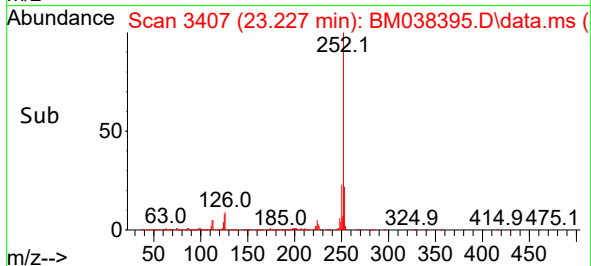
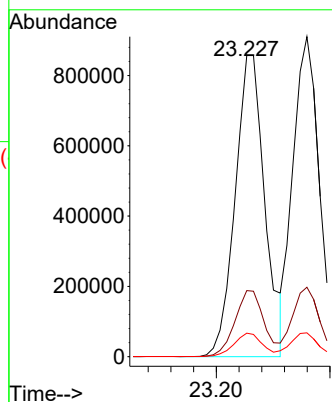
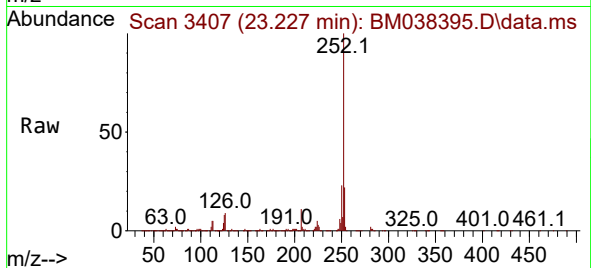
Tgt Ion:252 Resp: 1553895

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

125 7.8 6.6 10.0



#91

Benzo(k)fluoranthene

Concen: 42.516 ng/ul

RT: 23.280 min Scan# 3416

Delta R.T. 0.000 min

Lab File: BM038395.D

Acq: 06 Jan 2023 20:36

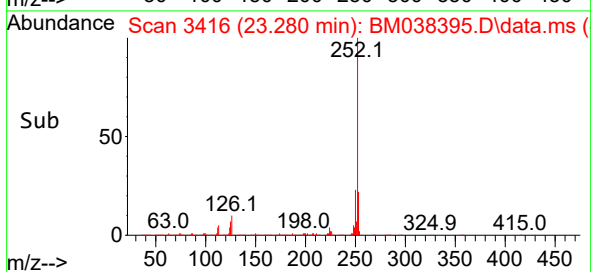
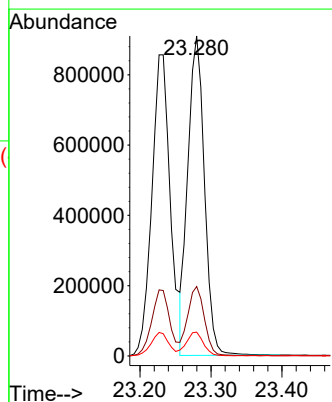
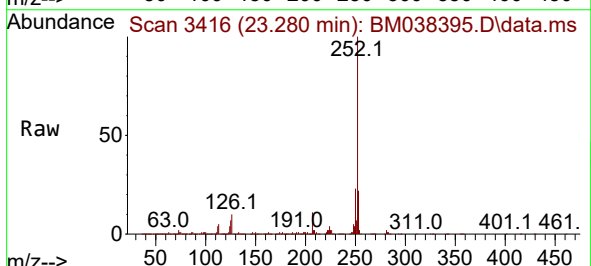
Tgt Ion:252 Resp: 1474722

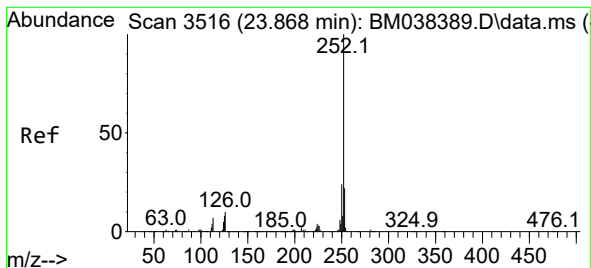
Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.6

125 7.4 6.3 9.5





#93

Benzo(a)pyrene

Concen: 42.320 ng/ul

RT: 23.868 min Scan# 3516

Delta R.T. 0.000 min

Lab File: BM038395.D

Acq: 06 Jan 2023 20:36

Instrument :

BNA_M

ClientSampleId :

A4433MSD

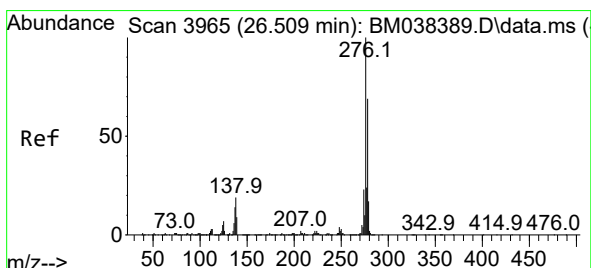
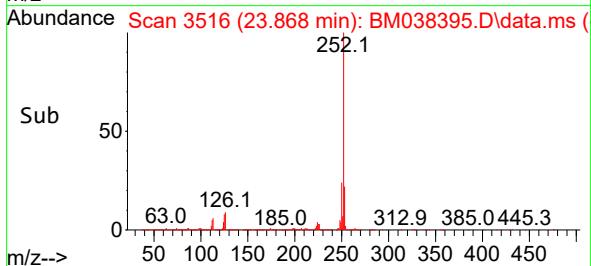
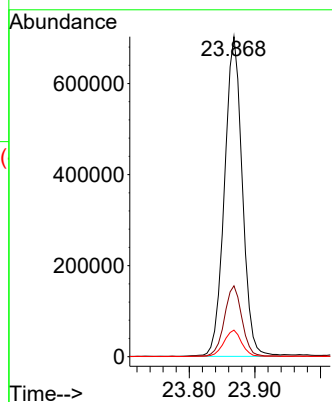
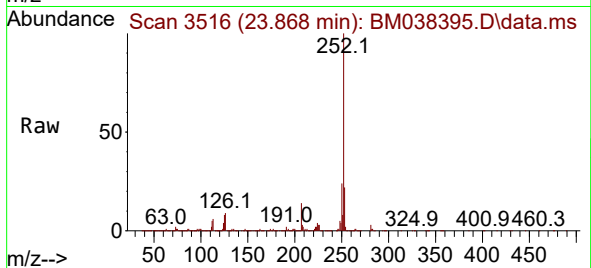
Tgt Ion:252 Resp: 1323009

Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 8.3 7.4 11.0



#94

Indeno(1,2,3-cd)pyrene

Concen: 41.668 ng/ul

RT: 26.515 min Scan# 3966

Delta R.T. 0.000 min

Lab File: BM038395.D

Acq: 06 Jan 2023 20:36

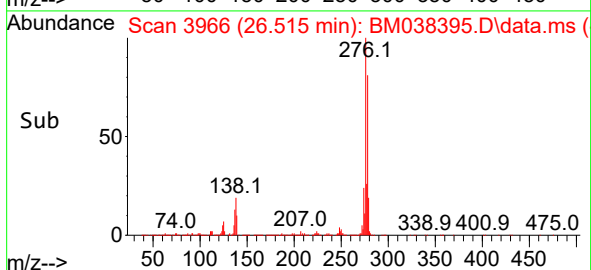
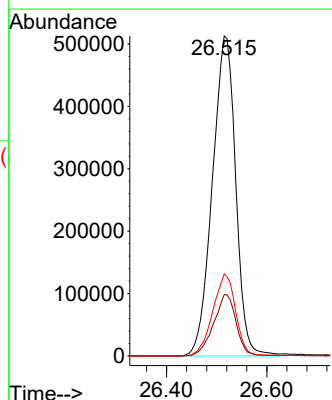
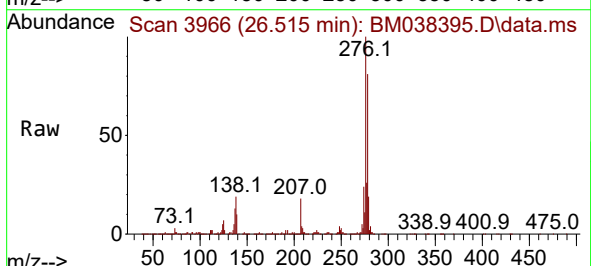
Tgt Ion:276 Resp: 1655476

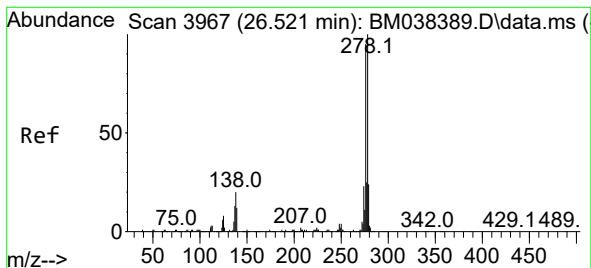
Ion Ratio Lower Upper

276 100

138 19.1 15.7 23.5

277 25.6 20.2 30.4





#95

Dibenzo(a,h)anthracene

Concen: 42.509 ng/ul

RT: 26.527 min Scan# 3967

Delta R.T. 0.000 min

Lab File: BM038395.D

Acq: 06 Jan 2023 20:36

Instrument :

BNA_M

ClientSampleId :

A4433MSD

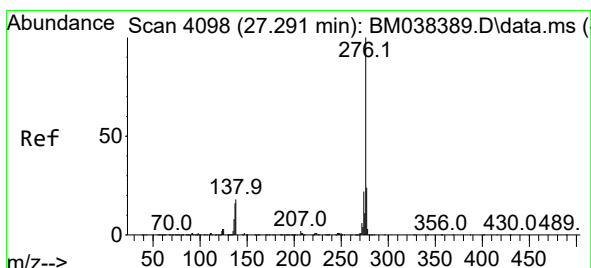
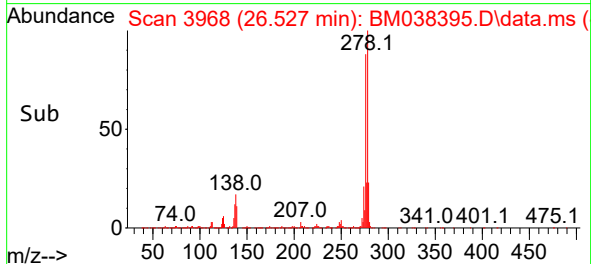
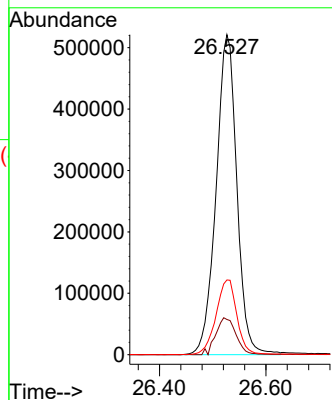
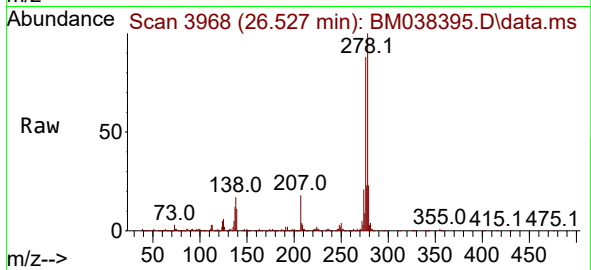
Tgt Ion:278 Resp: 1409429

Ion Ratio Lower Upper

278 100

139 11.0 10.0 15.0

279 23.4 18.9 28.3



#96

Benzo(g,h,i)perylene

Concen: 40.989 ng/ul

RT: 27.303 min Scan# 4100

Delta R.T. 0.006 min

Lab File: BM038395.D

Acq: 06 Jan 2023 20:36

Tgt Ion:276 Resp: 1333414

Ion Ratio Lower Upper

276 100

138 15.2 13.8 20.6

277 23.1 18.6 28.0

