

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121823\
 Data File : BM043398.D
 Acq On : 18 Dec 2023 18:08
 Operator : MA/JU
 Sample : PB157639BS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS639

Quant Time: Dec 19 00:29:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM121523.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 15 22:09:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.992	152	532472	20.000	ng/u1	0.00
20) Naphthalene-d8	10.804	136	2299083	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.627	164	1162939	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.368	188	1919781	20.000	ng/u1	0.00
79) Chrysene-d12	21.544	240	1351888	20.000	ng/u1	0.00
88) Perylene-d12	23.968	264	1455447	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.387	96	78006	4.761	ng/uL	0.00
4) Pyridine-d5	3.804	84	1156456	24.525	ng/u1	0.00
7) Phenol-d5	7.157	99	1552900	25.637	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.334	67	972629	25.354	ng/u1	0.00
11) 2-Chlorophenol-d4	7.522	132	1175232	25.411	ng/u1	0.00
15) 4-Methylphenol-d8	8.710	113	1152512	24.519	ng/u1	0.00
21) Nitrobenzene-d5	9.169	128	568360	25.551	ng/u1	0.00
24) 2-Nitrophenol-d4	9.886	143	592888	25.796	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.422	165	1028271	25.344	ng/u1	0.00
31) 4-Chloroaniline-d4	10.945	131	1468496	24.602	ng/u1	0.00
46) Dimethylphthalate-d6	14.045	166	2651383	25.326	ng/u1	0.00
49) Acenaphthylene-d8	14.321	160	3231902	26.024	ng/u1	0.00
54) 4-Nitrophenol-d4	14.827	143	484171	24.435	ng/u1	0.00
60) Fluorene-d10	15.615	176	2154013	24.882	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.739	200	324808	25.582	ng/u1	0.00
73) Anthracene-d10	17.468	188	2776801	25.791	ng/u1	0.00
81) Pyrene-d10	19.750	212	2650589	24.834	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.809	264	2429035	27.045	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.422	88	167932	9.278	ng/uL	96
5) Pyridine	3.828	79	1263478	25.910	ng/u1	99
6) Benzaldehyde	7.139	77	813859	28.337	ng/u1	98
8) Phenol	7.186	94	1614578	27.094	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.428	93	1316690	27.216	ng/u1	98
12) 2-Chlorophenol	7.551	128	1257579	26.693	ng/u1	99
13) 2-Methylphenol	8.439	108	1195989	26.431	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.522	45	2203188	27.119	ng/u1	98
16) Acetophenone	8.828	105	1873680	26.036	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.822	70	1064857	24.792	ng/u1	98
18) 4-Methylphenol	8.775	108	1272126	25.940	ng/u1	99
19) Hexachloroethane	9.069	117	535970	26.980	ng/u1	99
22) Nitrobenzene	9.210	77	1515941	27.537	ng/u1	98
23) Isophorone	9.739	82	2875652	25.752	ng/u1	99
25) 2-Nitrophenol	9.922	139	674064	27.595	ng/u1	98
26) 2,4-Dimethylphenol	9.975	107	944085	21.696	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.222	93	1740088	26.390	ng/u1	100
29) 2,4-Dichlorophenol	10.451	162	1046484	26.578	ng/u1	98
30) Naphthalene	10.857	128	3904761	26.649	ng/u1	100
32) 4-Chloroaniline	10.969	127	1282993	22.353	ng/u1	99
33) Hexachlorobutadiene	11.127	225	549174	27.356	ng/u1	99
34) Caprolactam	11.763	113	243848	19.380	ng/u1	98
35) 4-Chloro-3-methylphenol	12.086	107	1167239	25.239	ng/u1	100
36) 2-Methylnaphthalene	12.457	142	2558182	25.648	ng/u1	99

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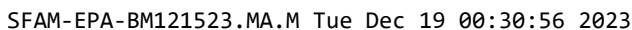
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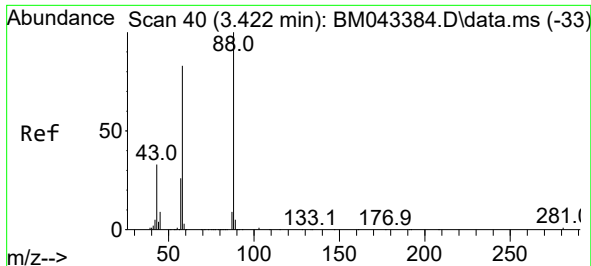
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 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 15 22:09:25 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.674	142	2513437	24.984	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.821	216	1016240	28.680	ng/ul	97
40) Hexachlorocyclopentadiene	12.786	237	434796	19.557	ng/ul	97
41) 2,4,6-Trichlorophenol	13.063	196	681205	27.046	ng/ul	98
42) 2,4,5-Trichlorophenol	13.133	196	743899	27.816	ng/ul	99
43) 1,1'-Biphenyl	13.463	154	3139599	28.321	ng/ul	99
44) 2-Chloronaphthalene	13.510	162	2396826	28.201	ng/ul	99
45) 2-Nitroaniline	13.715	65	798278	28.009	ng/ul	97
47) Dimethylphthalate	14.092	163	2793868	27.023	ng/ul	100
48) 2,6-Dinitrotoluene	14.215	165	556702	27.852	ng/ul	97
50) Acenaphthylene	14.351	152	3932276	27.573	ng/ul	99
51) 3-Nitroaniline	14.539	138	606759	26.443	ng/ul	97
52) Acenaphthene	14.686	153	2561995	27.258	ng/ul	99
53) 2,4-Dinitrophenol	14.745	184	255798	24.040	ng/ul	94
55) 4-Nitrophenol	14.845	109	401692	26.108	ng/ul	97
56) Dibenzofuran	15.021	168	3247880	26.756	ng/ul	100
57) 2,4-Dinitrotoluene	14.998	165	755794	26.764	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.245	232	490450	23.936	ng/ul	98
59) Diethylphthalate	15.451	149	2869085	27.080	ng/ul	99
61) Fluorene	15.674	166	2751234	26.530	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.668	204	1217821	26.697	ng/ul	99
63) 4-Nitroaniline	15.704	138	616858	29.370	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.757	198	370361	27.321	ng/ul	99
67) N-Nitrosodiphenylamine	15.886	169	2165944	29.373	ng/ul	99
68) 4-Bromophenyl-phenylether	16.562	248	657676	28.916	ng/ul	99
69) Hexachlorobenzene	16.662	284	741283	28.448	ng/ul	96
70) Atrazine	16.839	200	351539	21.749	ng/ul	99
71) Pentachlorophenol	17.009	266	387242	24.582	ng/ul	99
72) Phenanthrene	17.409	178	3667298	28.185	ng/ul	99
74) Anthracene	17.503	178	3598697	27.405	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.427	216	1008581	31.990	ng/ul	99
76) Pentachlorobenzene	14.933	250	924678	30.120	ng/ul	97
77) Carbazole	17.774	167	3270526	29.182	ng/ul	100
78) Di-n-butylphthalate	18.345	149	4544532	31.017	ng/ul	100
80) Fluoranthene	19.421	202	3510572	26.561	ng/ul	98
82) Pyrene	19.780	202	3603182	26.518	ng/ul	100
83) Butylbenzylphthalate	20.686	149	1790334	30.476	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.462	252	988398	29.686	ng/ul	98
85) Benzo(a)anthracene	21.527	228	3237851	28.642	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.462	149	2724269	32.573	ng/ul	100
87) Chrysene	21.580	228	2917610	28.689	ng/ul	99
89) Di-n-octyl phthalate	22.409	149	4415884	31.717	ng/ul	100
90) Benzo(b)fluoranthene	23.227	252	3073121	27.553	ng/ul	100
91) Benzo(k)fluoranthene	23.280	252	3134858	28.818	ng/ul	99
93) Benzo(a)pyrene	23.862	252	2936831	28.860	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	26.503	276	3647151	30.017	ng/ul	98
95) Dibenzo(a,h)anthracene	26.526	278	3055403	30.368	ng/ul	99
96) Benzo(g,h,i)perylene	27.279	276	2865509	30.085	ng/ul	99

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

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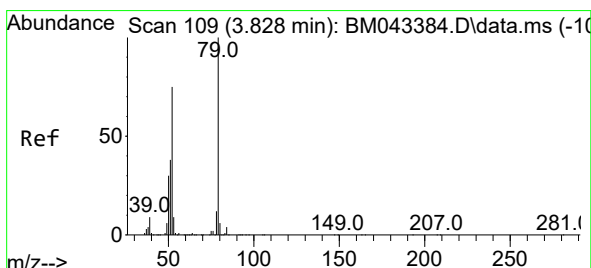
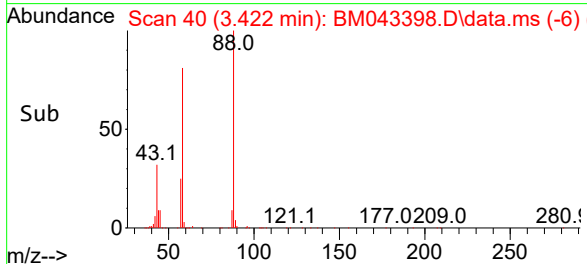
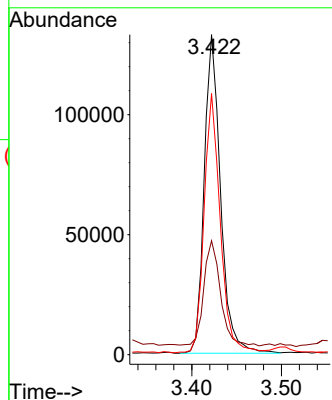
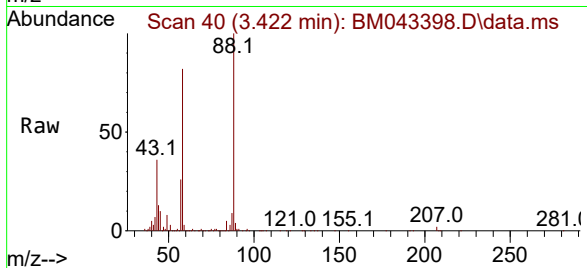




#2
1,4-Dioxane
Concen: 9.278 ng/uL
RT: 3.422 min Scan# 40
Delta R.T. -0.000 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

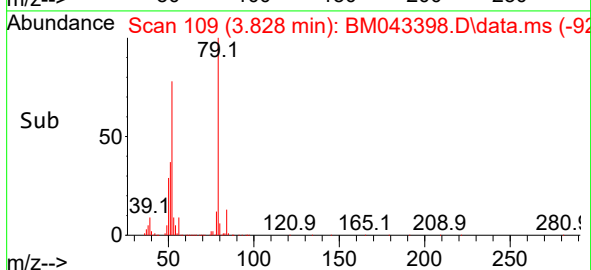
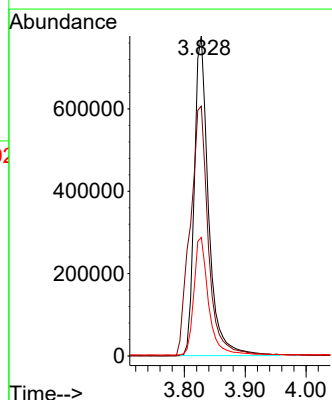
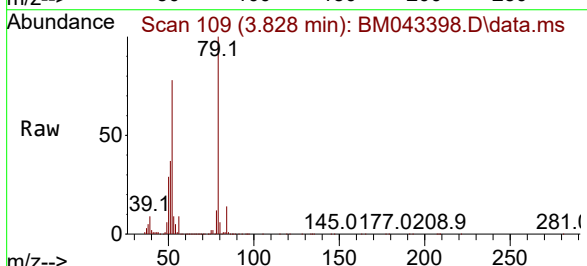
Instrument :
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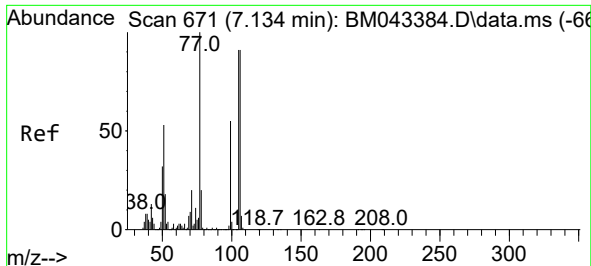
Tgt Ion: 88 Resp: 167932
Ion Ratio Lower Upper
88 100
43 35.6 26.3 39.5
58 81.6 63.1 94.7



#5
Pyridine
Concen: 25.910 ng/uL
RT: 3.828 min Scan# 109
Delta R.T. -0.000 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

Tgt Ion: 79 Resp: 1263478
Ion Ratio Lower Upper
79 100
52 78.0 62.4 93.6
51 37.0 30.6 45.8

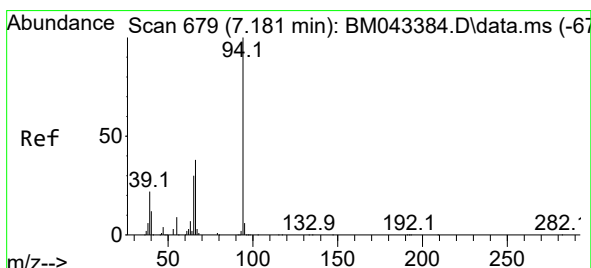
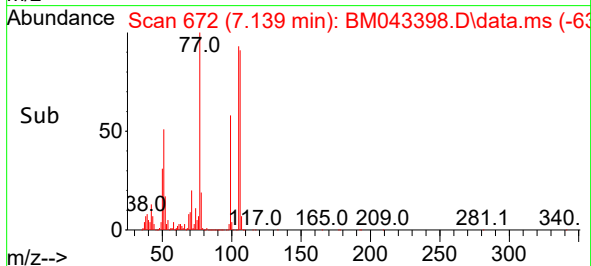
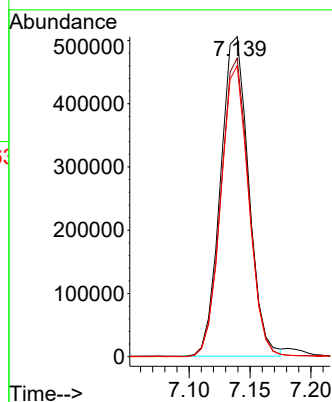
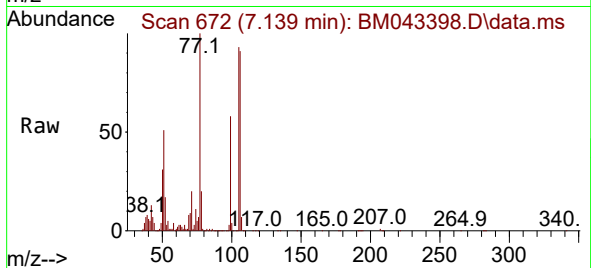




#6
Benzaldehyde
Concen: 28.337 ng/ul
RT: 7.139 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

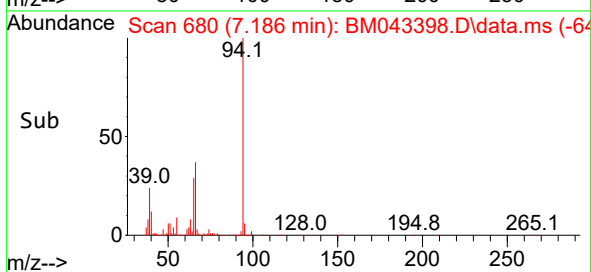
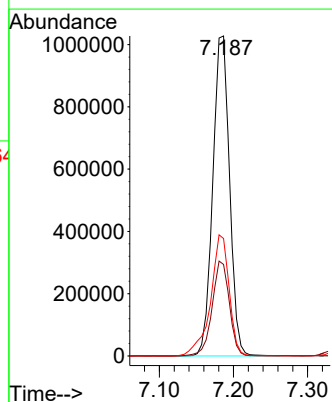
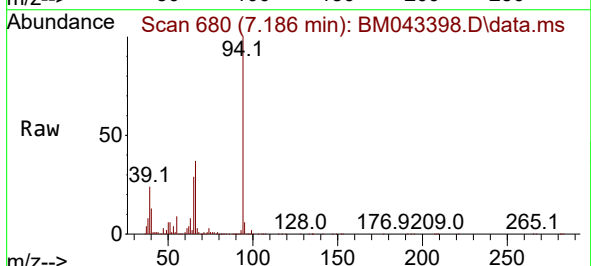
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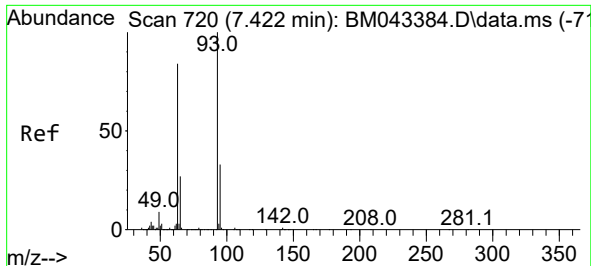
Tgt Ion: 77 Resp: 813859
Ion Ratio Lower Upper
77 100
105 93.2 73.4 110.0
106 90.9 71.4 107.0



#8
Phenol
Concen: 27.094 ng/ul
RT: 7.186 min Scan# 680
Delta R.T. 0.006 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

Tgt Ion: 94 Resp: 1614578
Ion Ratio Lower Upper
94 100
65 28.6 23.7 35.5
66 36.7 30.2 45.4

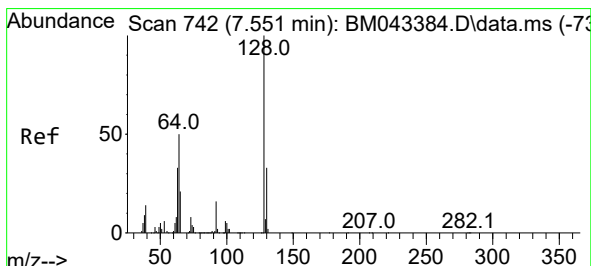
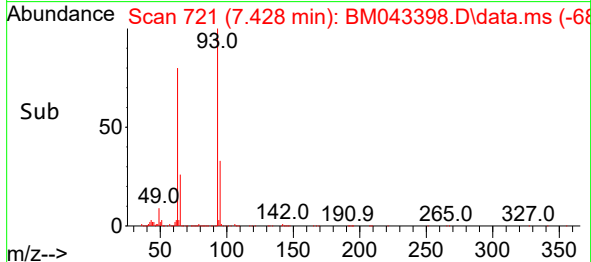
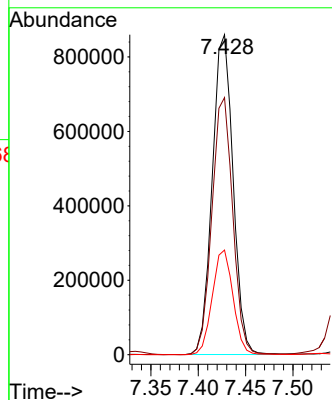
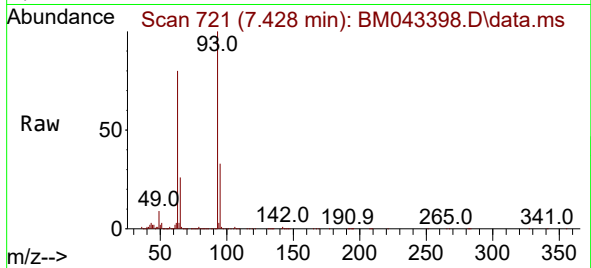




#10
Bis(2-Chloroethyl)ether
Concen: 27.216 ng/ul
RT: 7.428 min Scan# 71
Delta R.T. 0.006 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

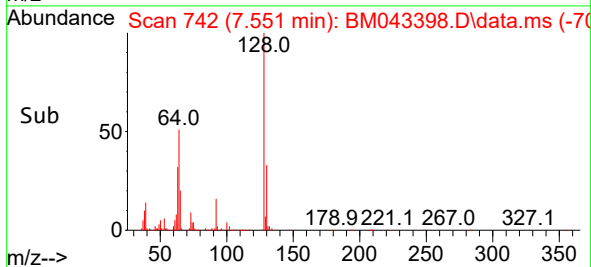
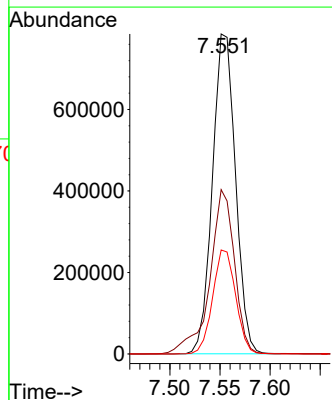
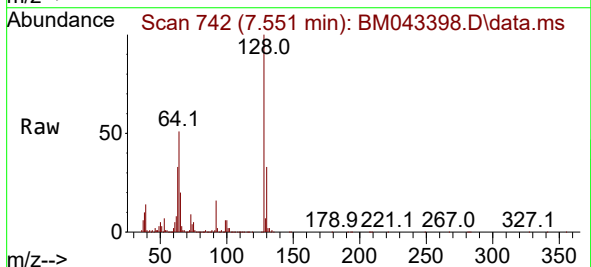
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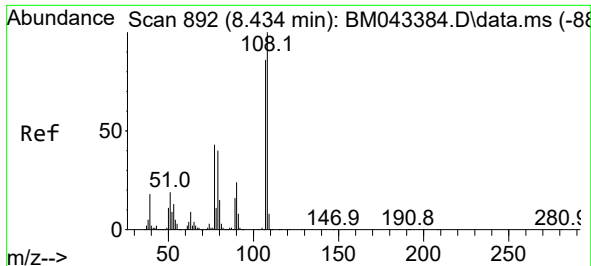
Tgt Ion: 93 Resp: 1316690
Ion Ratio Lower Upper
93 100
63 80.4 65.8 98.8
95 32.7 26.2 39.2



#12
2-Chlorophenol
Concen: 26.693 ng/ul
RT: 7.551 min Scan# 742
Delta R.T. -0.000 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

Tgt Ion:128 Resp: 1257579
Ion Ratio Lower Upper
128 100
64 51.4 40.5 60.7
130 32.5 25.6 38.4





#13

2-Methylphenol

Concen: 26.431 ng/ul

RT: 8.439 min Scan# 892

Delta R.T. -0.000 min

Lab File: BM043398.D

Acq: 18 Dec 2023 18:08

Instrument :

BNA_M

ClientSampleId :

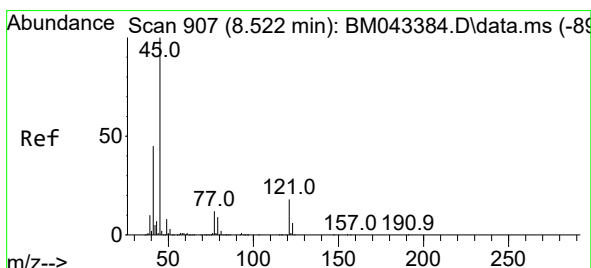
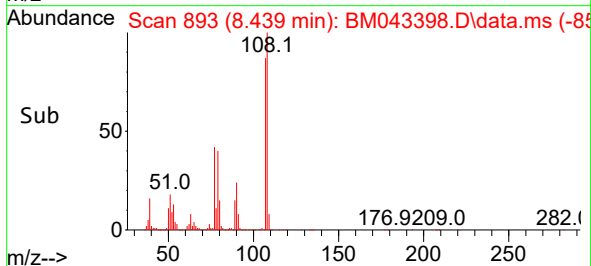
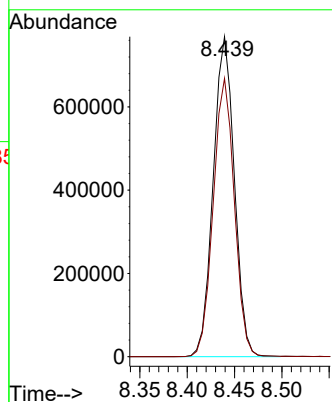
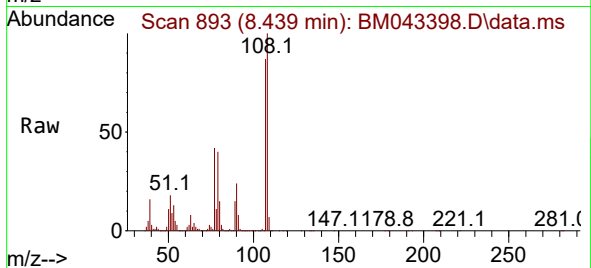
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Tgt Ion:108 Resp: 1195989

Ion Ratio Lower Upper

108 100

107 87.0 69.0 103.6



#14

2,2'-oxybis(1-Chloropropane)

Concen: 27.119 ng/ul

RT: 8.522 min Scan# 907

Delta R.T. -0.000 min

Lab File: BM043398.D

Acq: 18 Dec 2023 18:08

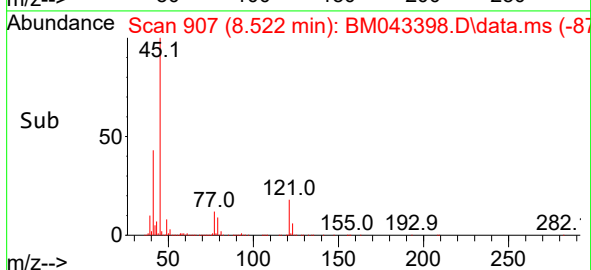
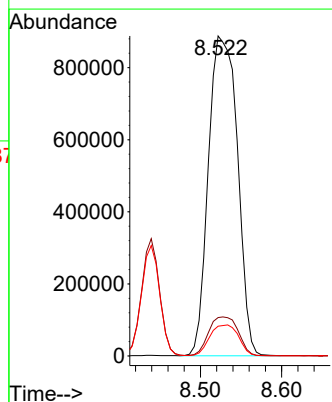
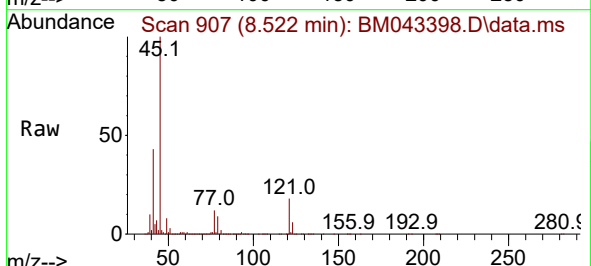
Tgt Ion: 45 Resp: 2203188

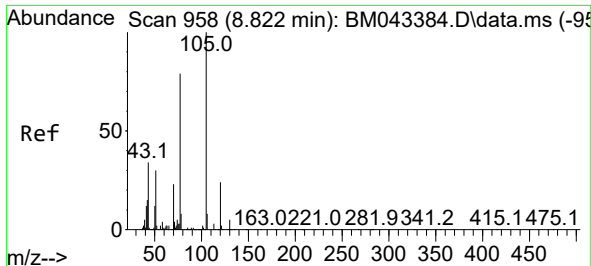
Ion Ratio Lower Upper

45 100

77 12.0 10.6 15.8

79 9.3 7.6 11.4

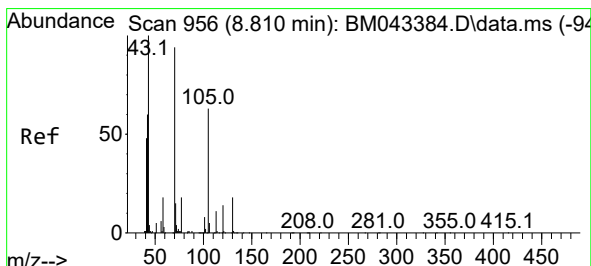
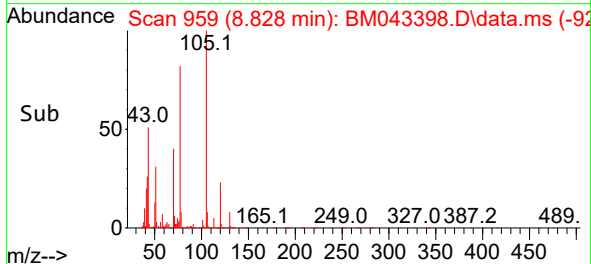
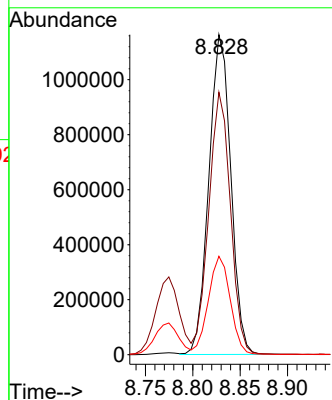
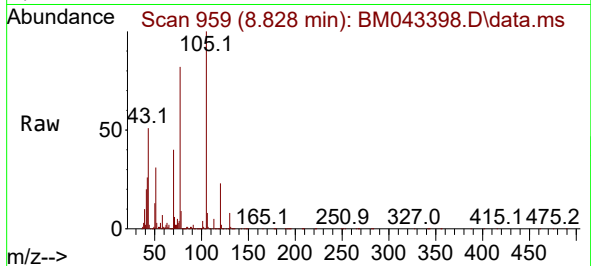




#16
Acetophenone
Concen: 26.036 ng/ul
RT: 8.828 min Scan# 91
Delta R.T. -0.000 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

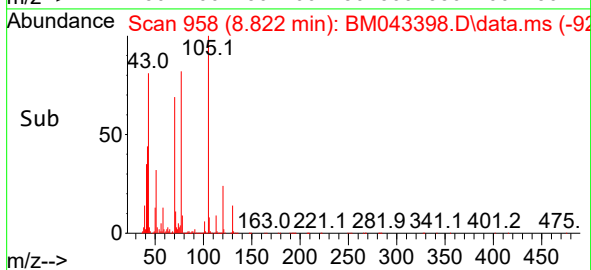
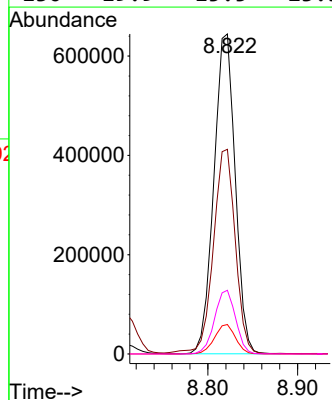
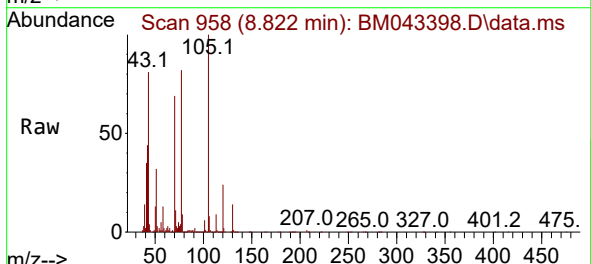
Instrument :
BNA_M
ClientSampleId :
SLCS639

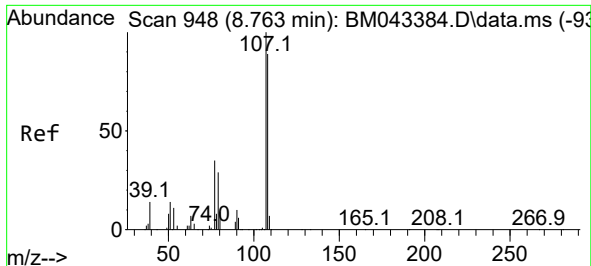
Tgt Ion:105 Resp: 1873680
Ion Ratio Lower Upper
105 100
77 82.0 65.1 97.7
51 30.7 24.3 36.5



#17
N-Nitroso-di-n-propylamine
Concen: 24.792 ng/ul
RT: 8.822 min Scan# 958
Delta R.T. 0.012 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

Tgt Ion: 70 Resp: 1064857
Ion Ratio Lower Upper
70 100
42 63.9 50.0 75.0
101 9.2 7.4 11.0
130 19.9 15.5 23.3





#18

4-Methylphenol

Concen: 25.940 ng/ul

RT: 8.775 min Scan# 91

Delta R.T. 0.006 min

Lab File: BM043398.D

Acq: 18 Dec 2023 18:08

Instrument :

BNA_M

ClientSampleId :

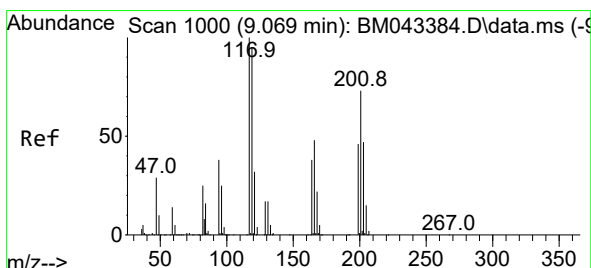
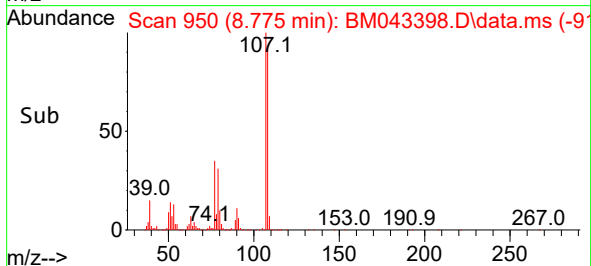
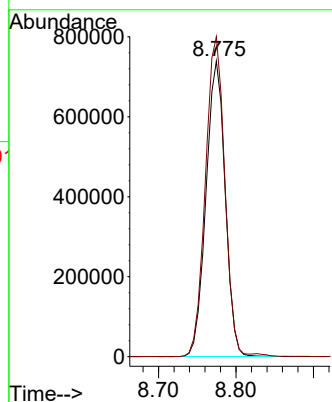
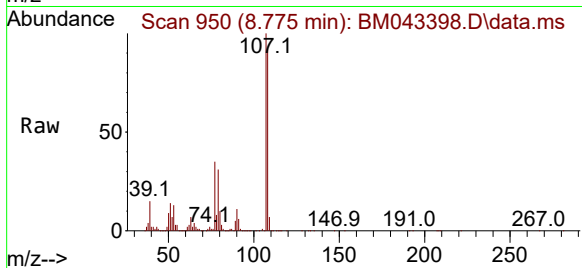
SLCS639

Tgt Ion:108 Resp: 1272126

Ion Ratio Lower Upper

108 100

107 108.2 87.1 130.7



#19

Hexachloroethane

Concen: 26.980 ng/ul

RT: 9.069 min Scan# 1000

Delta R.T. -0.000 min

Lab File: BM043398.D

Acq: 18 Dec 2023 18:08

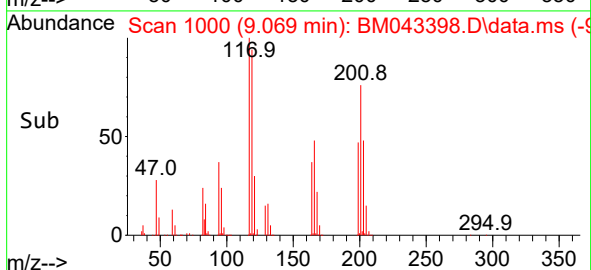
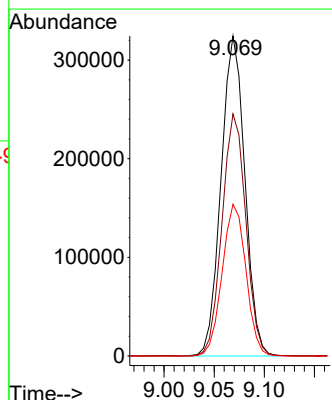
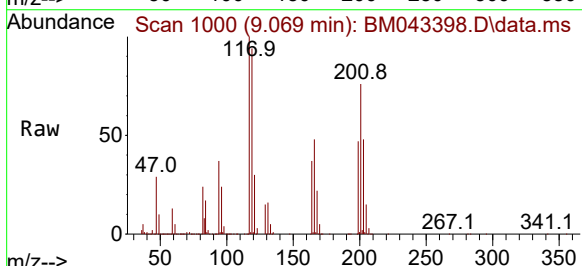
Tgt Ion:117 Resp: 535970

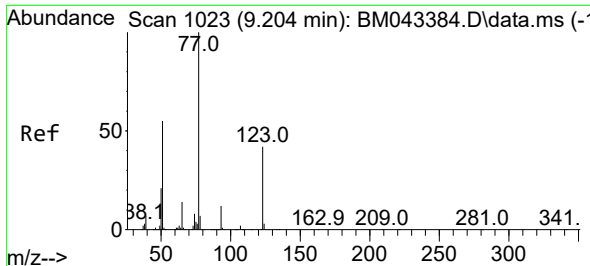
Ion Ratio Lower Upper

117 100

201 75.7 59.8 89.6

199 47.4 39.0 58.6

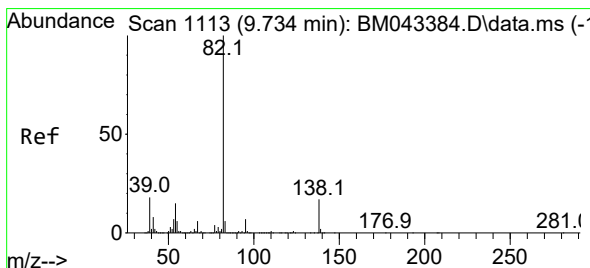
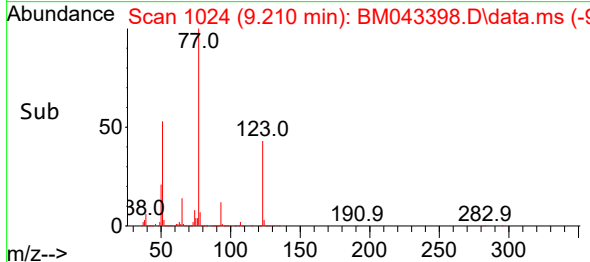
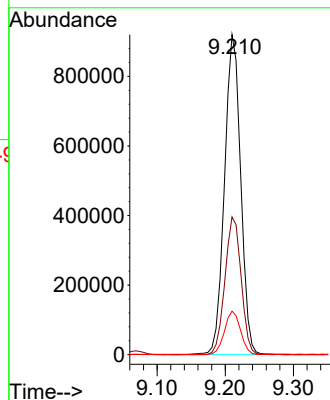
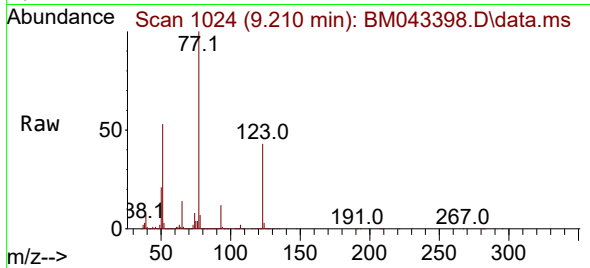




#22
Nitrobenzene
Concen: 27.537 ng/ul
RT: 9.210 min Scan# 1102
Delta R.T. -0.000 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

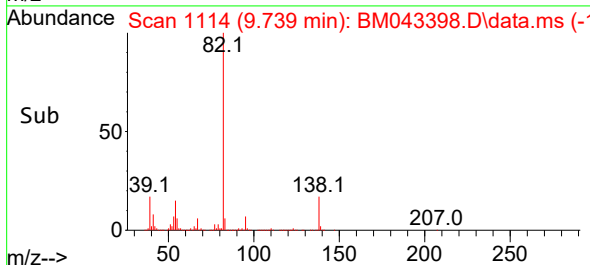
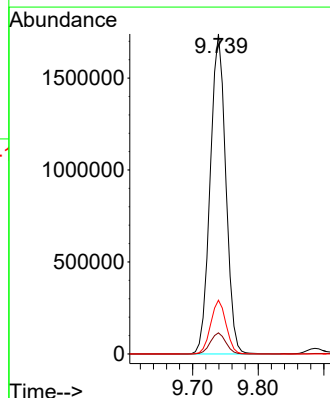
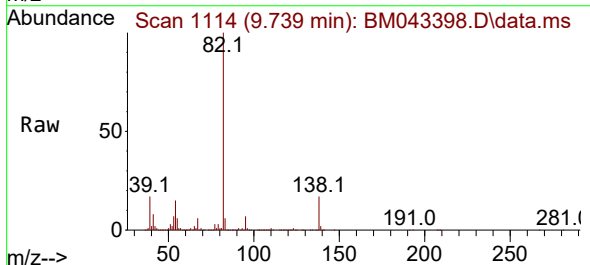
Instrument :
BNA_M
ClientSampleId :
SLCS639

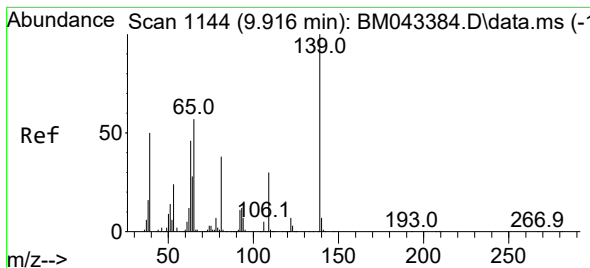
Tgt Ion: 77 Resp: 1515941
Ion Ratio Lower Upper
77 100
123 43.0 35.6 53.4
65 13.6 10.6 15.8



#23
Isophorone
Concen: 25.752 ng/ul
RT: 9.739 min Scan# 1114
Delta R.T. 0.006 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

Tgt Ion: 82 Resp: 2875652
Ion Ratio Lower Upper
82 100
95 6.6 5.5 8.3
138 16.8 13.6 20.4

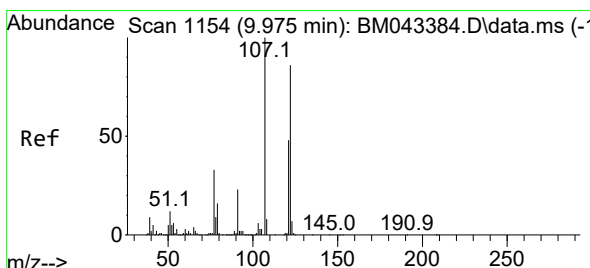
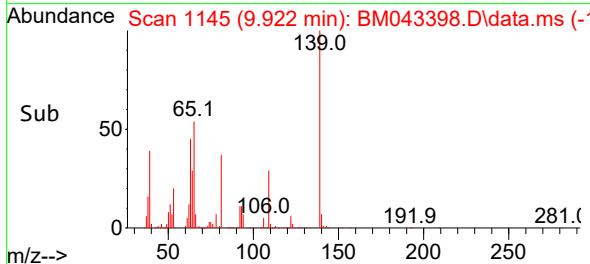
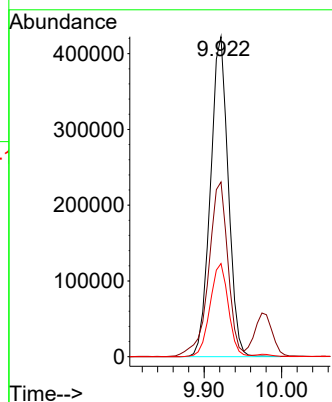
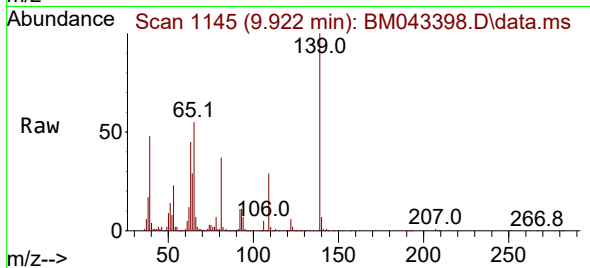




#25
2-Nitrophenol
Concen: 27.595 ng/ul
RT: 9.922 min Scan# 1145
Delta R.T. 0.006 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

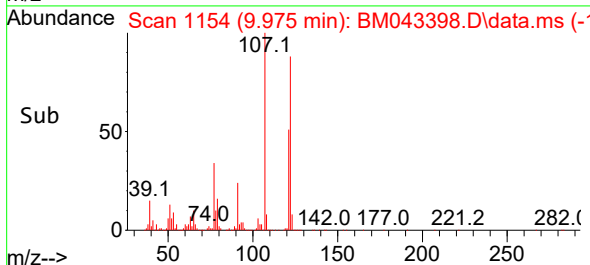
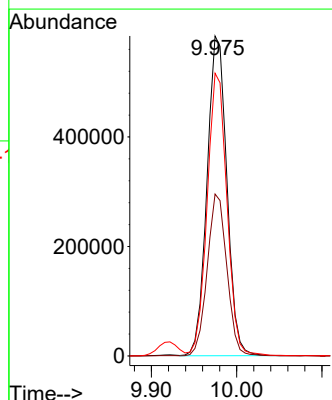
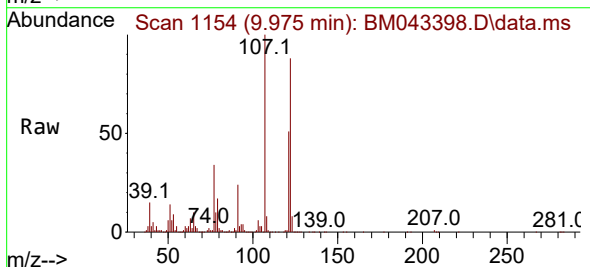
Instrument :
BNA_M
ClientSampleId :
SLCS639

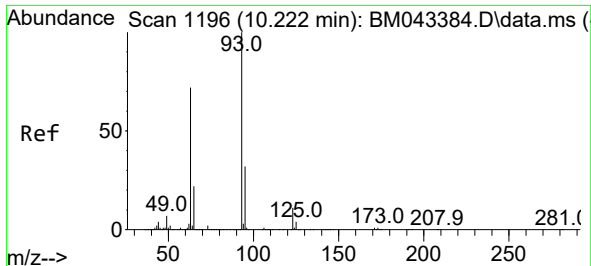
Tgt Ion:139 Resp: 674064
Ion Ratio Lower Upper
139 100
65 54.6 44.6 66.8
109 29.1 24.6 36.8



#26
2,4-Dimethylphenol
Concen: 21.696 ng/ul
RT: 9.975 min Scan# 1154
Delta R.T. -0.000 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

Tgt Ion:107 Resp: 944085
Ion Ratio Lower Upper
107 100
121 50.6 40.3 60.5
122 88.4 71.5 107.3





#27

Bis(2-Chloroethoxy)methane

Concen: 26.390 ng/ul

RT: 10.222 min Scan# 1196

Delta R.T. -0.000 min

Lab File: BM043398.D

Acq: 18 Dec 2023 18:08

Instrument :

BNA_M

ClientSampleId :

SLCS639

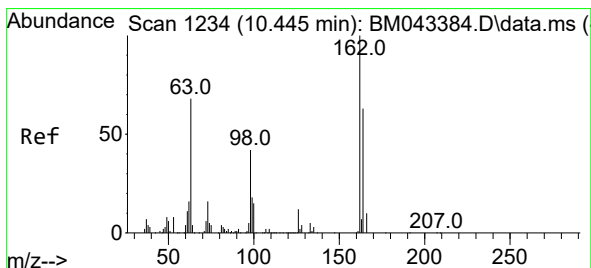
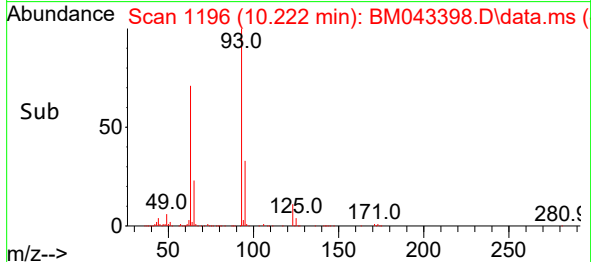
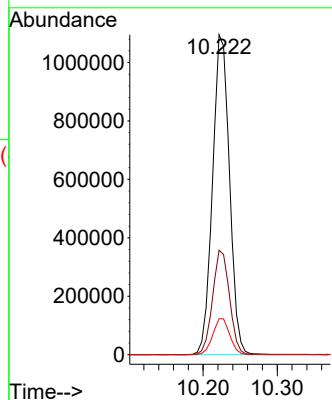
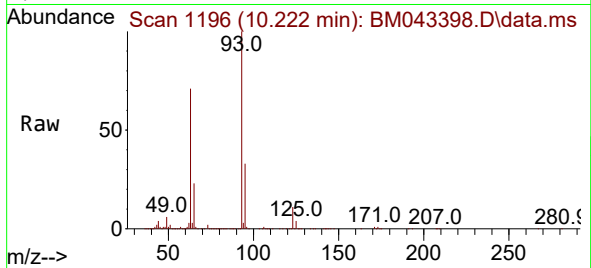
Tgt Ion: 93 Resp: 1740088

Ion Ratio Lower Upper

93 100

95 32.7 25.9 38.9

123 11.3 9.0 13.6



#29

2,4-Dichlorophenol

Concen: 26.578 ng/ul

RT: 10.451 min Scan# 1235

Delta R.T. 0.006 min

Lab File: BM043398.D

Acq: 18 Dec 2023 18:08

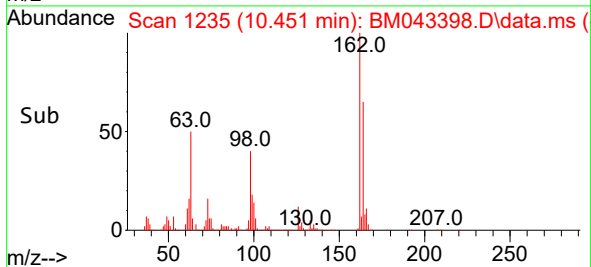
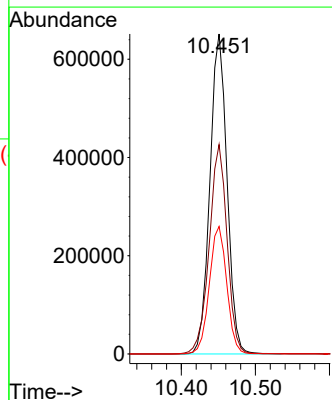
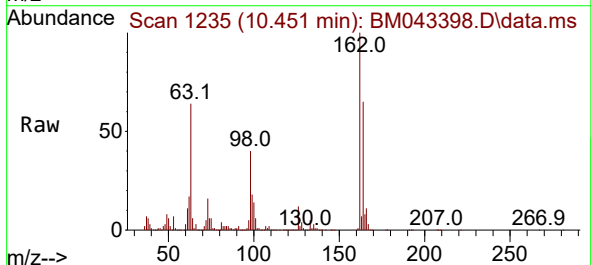
Tgt Ion:162 Resp: 1046484

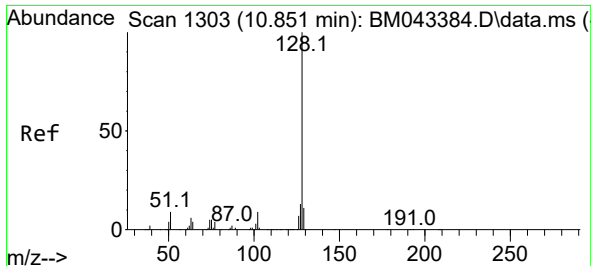
Ion Ratio Lower Upper

162 100

164 65.5 51.0 76.4

98 39.9 32.1 48.1

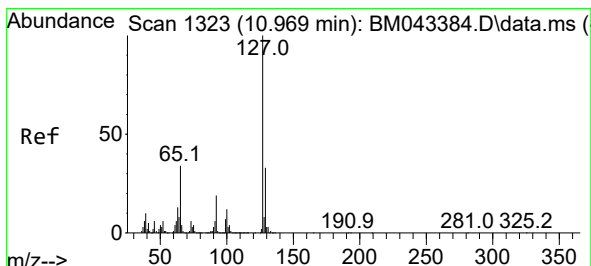
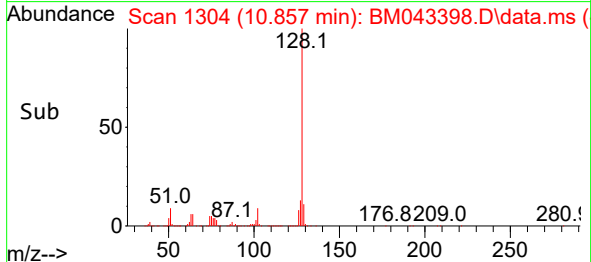
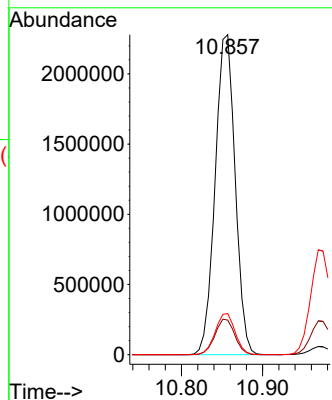
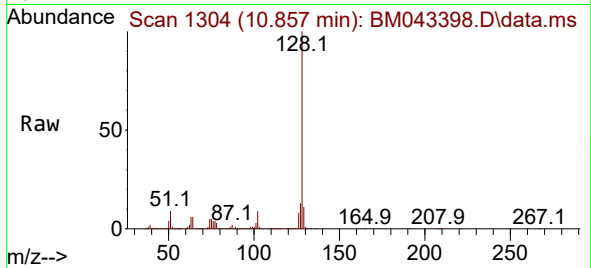




#30
Naphthalene
Concen: 26.649 ng/ul
RT: 10.857 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

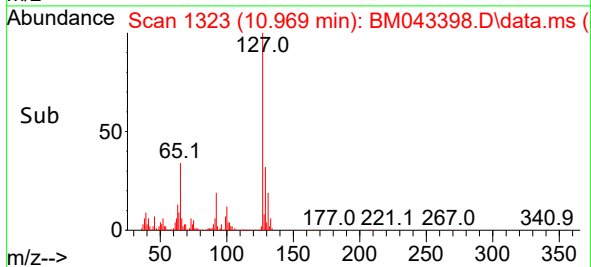
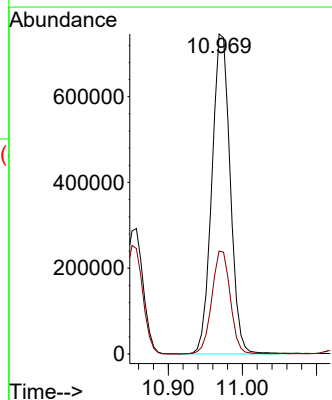
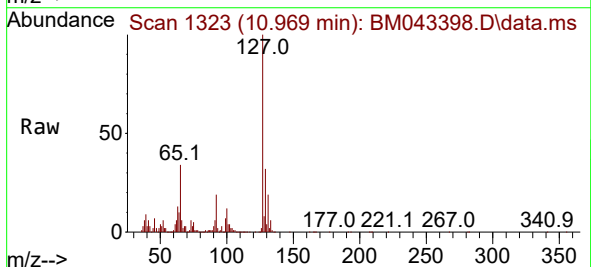
Instrument :
BNA_M
ClientSampleId :
SLCS639

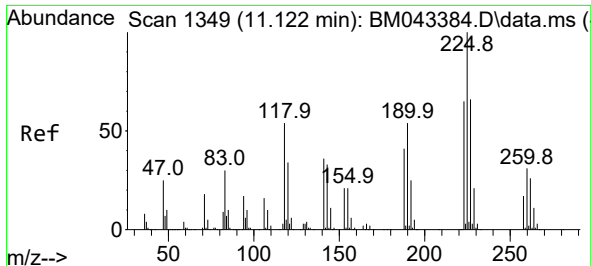
Tgt Ion:128 Resp: 3904761
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 12.8 10.2 15.4



#32
4-Chloroaniline
Concen: 22.353 ng/ul
RT: 10.969 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

Tgt Ion:127 Resp: 1282993
Ion Ratio Lower Upper
127 100
129 32.2 25.4 38.2

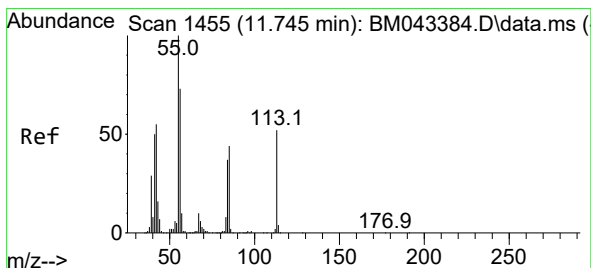
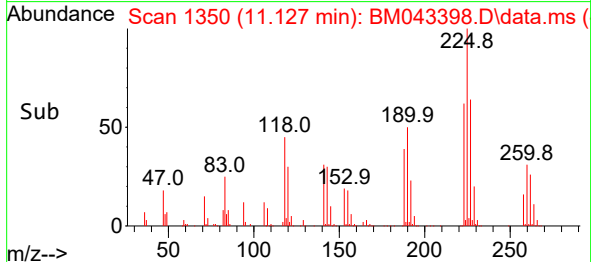
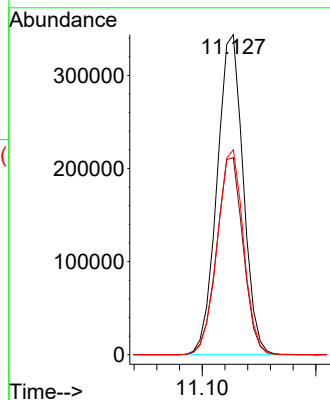
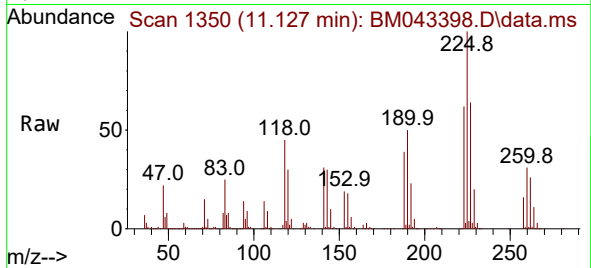




#33
Hexachlorobutadiene
Concen: 27.356 ng/ul
RT: 11.127 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

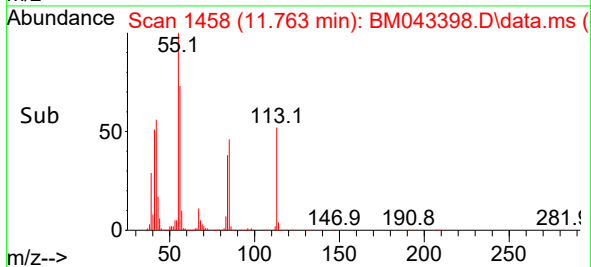
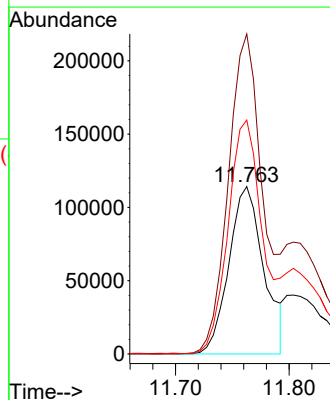
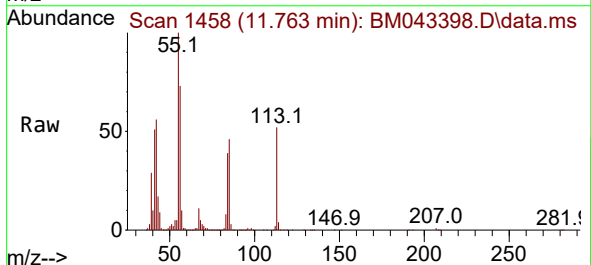
Instrument :
BNA_M
ClientSampleId :
SLCS639

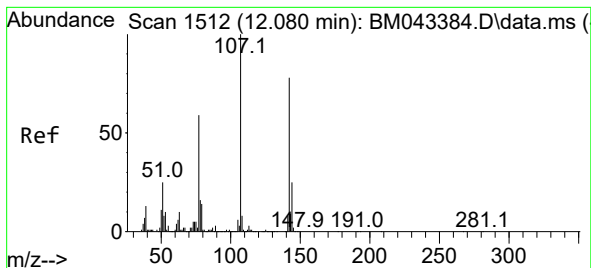
Tgt Ion:225 Resp: 549174
Ion Ratio Lower Upper
225 100
223 61.6 49.4 74.0
227 64.0 50.4 75.6



#34
Caprolactam
Concen: 19.380 ng/ul
RT: 11.763 min Scan# 1458
Delta R.T. 0.018 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

Tgt Ion:113 Resp: 243848
Ion Ratio Lower Upper
113 100
55 191.1 148.9 223.3
56 139.7 111.4 167.2

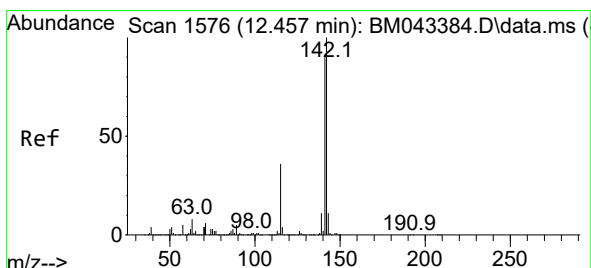
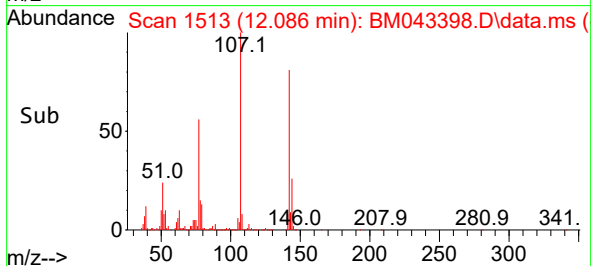
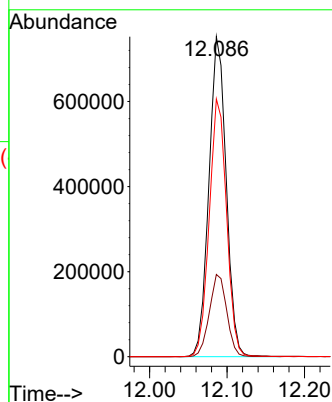
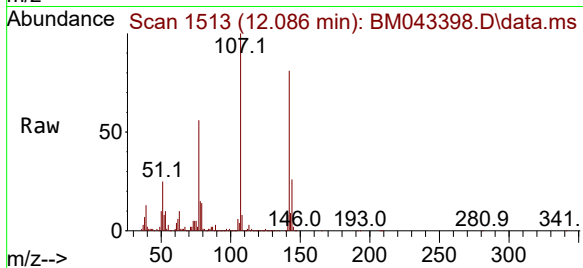




#35
4-Chloro-3-methylphenol
Concen: 25.239 ng/ul
RT: 12.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

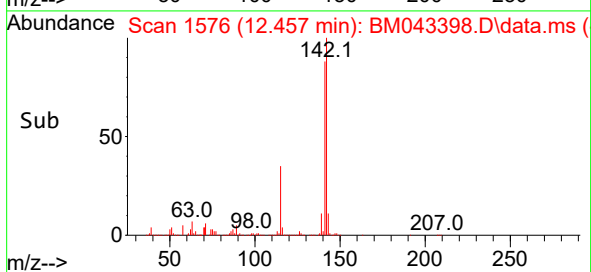
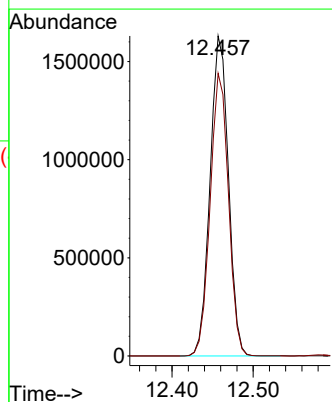
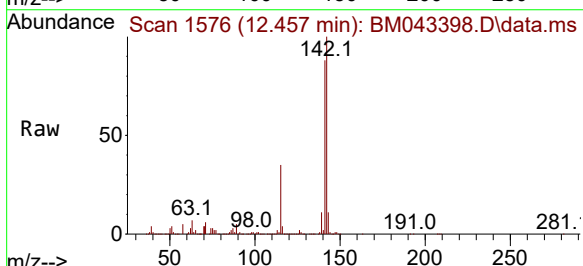
Instrument :
BNA_M
ClientSampleId :
SLCS639

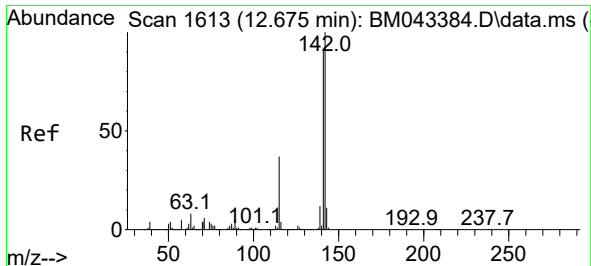
Tgt Ion:107 Resp: 1167239
Ion Ratio Lower Upper
107 100
144 25.7 20.3 30.5
142 80.5 64.3 96.5



#36
2-Methylnaphthalene
Concen: 25.648 ng/ul
RT: 12.457 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

Tgt Ion:142 Resp: 2558182
Ion Ratio Lower Upper
142 100
141 88.3 69.9 104.9





#37

1-Methylnaphthalene

Concen: 24.984 ng/ul

RT: 12.674 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM043398.D

Acq: 18 Dec 2023 18:08

Instrument :

BNA_M

ClientSampleId :

SLCS639

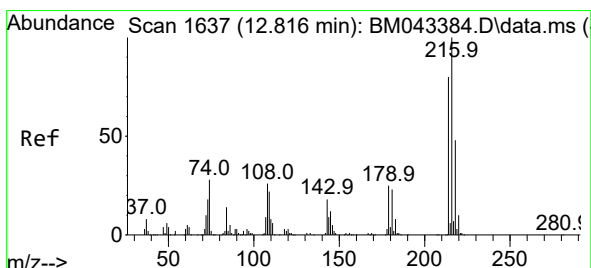
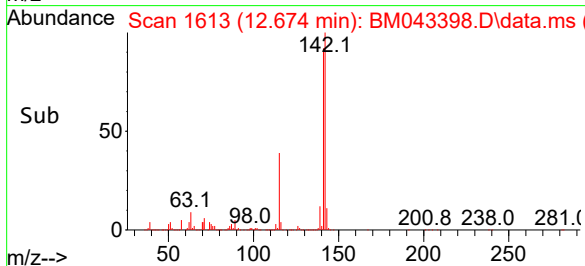
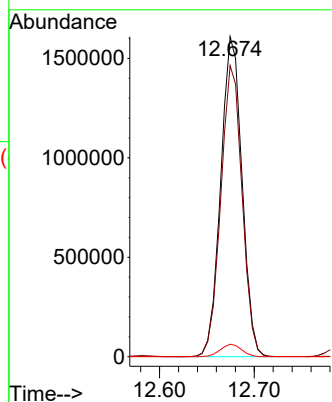
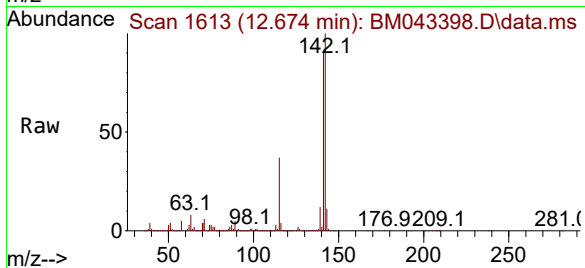
Tgt Ion:142 Resp: 2513437

Ion Ratio Lower Upper

142 100

141 90.9 73.0 109.4

116 3.9 3.0 4.6



#39

1,2,4,5-Tetrachlorobenzene

Concen: 28.680 ng/ul

RT: 12.821 min Scan# 1638

Delta R.T. 0.006 min

Lab File: BM043398.D

Acq: 18 Dec 2023 18:08

Tgt Ion:216 Resp: 1016240

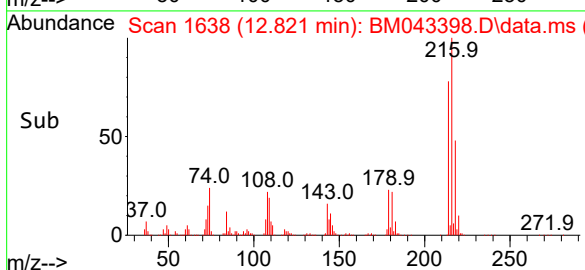
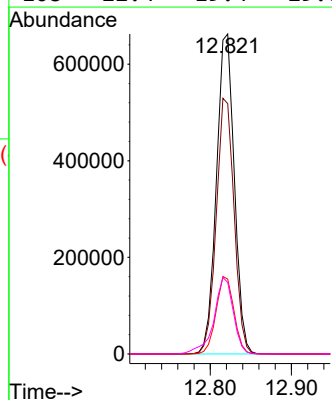
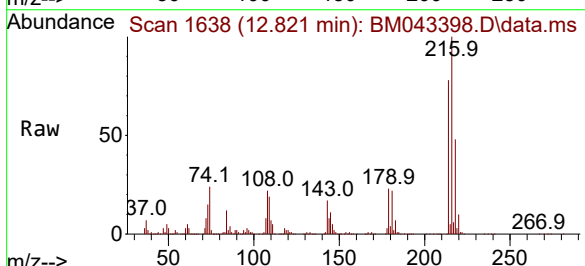
Ion Ratio Lower Upper

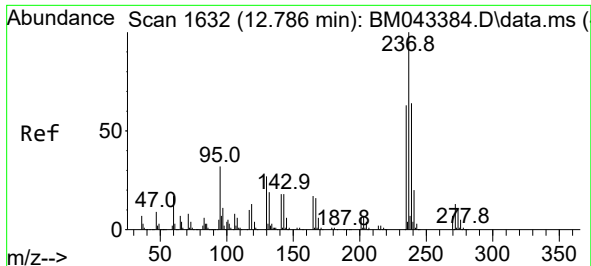
216 100

214 78.2 64.6 97.0

179 23.4 20.0 30.0

108 22.4 19.4 29.0

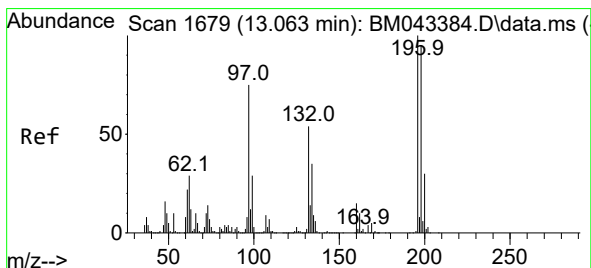
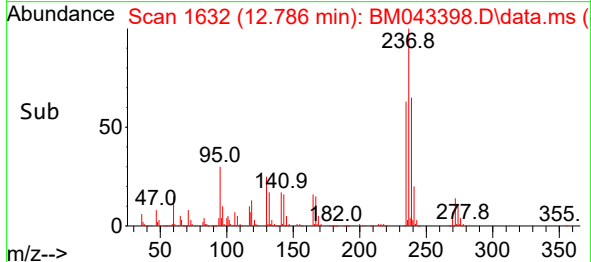
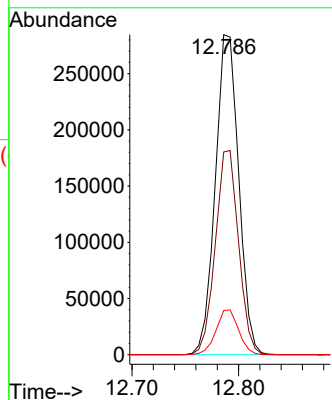
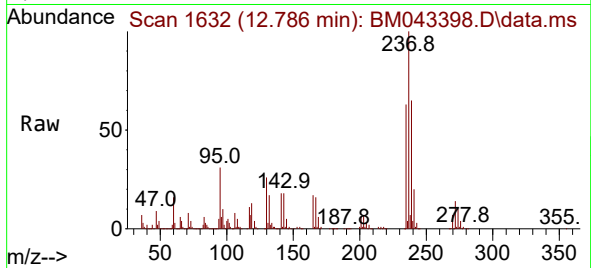




#40
Hexachlorocyclopentadiene
Concen: 19.557 ng/ul
RT: 12.786 min Scan# 1632
Delta R.T. -0.006 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

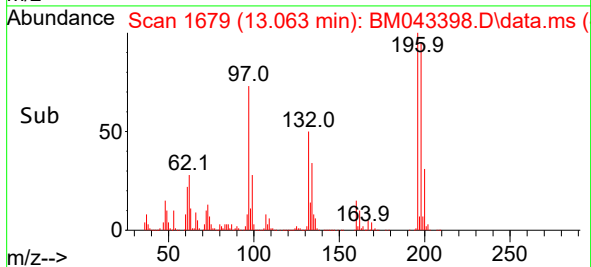
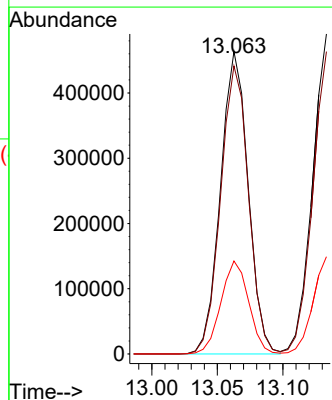
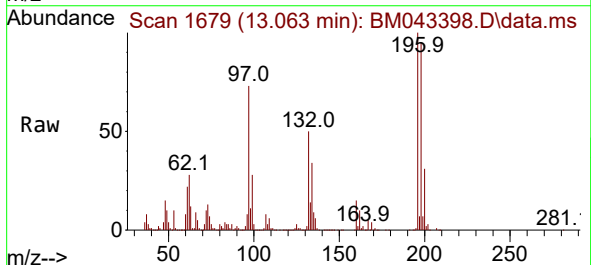
Instrument :
BNA_M
ClientSampleId :
SLCS639

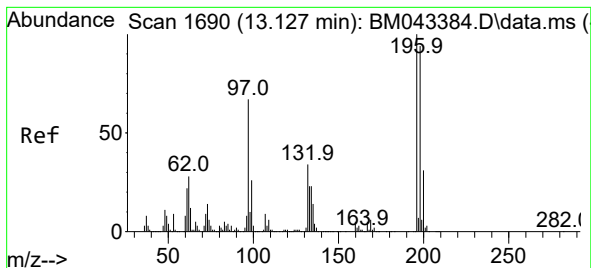
Tgt Ion:237 Resp: 434796
Ion Ratio Lower Upper
237 100
235 63.4 48.2 72.4
272 13.8 10.8 16.2



#41
2,4,6-Trichlorophenol
Concen: 27.046 ng/ul
RT: 13.063 min Scan# 1679
Delta R.T. -0.000 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

Tgt Ion:196 Resp: 681205
Ion Ratio Lower Upper
196 100
198 95.2 78.3 117.5
200 30.7 25.1 37.7





#42

2,4,5-Trichlorophenol

Concen: 27.816 ng/ul

RT: 13.133 min Scan# 1

Delta R.T. 0.006 min

Lab File: BM043398.D

Acq: 18 Dec 2023 18:08

Instrument :

BNA_M

ClientSampleId :

SLCS639

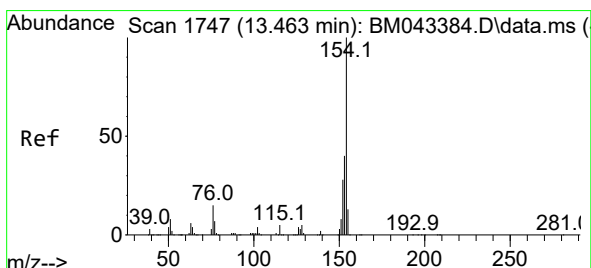
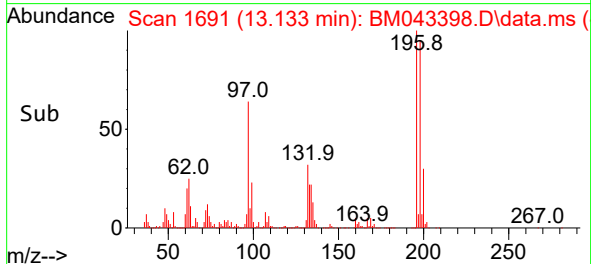
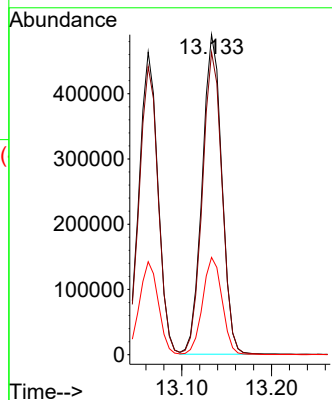
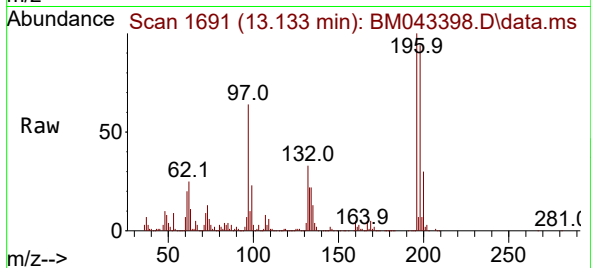
Tgt Ion:196 Resp: 743899

Ion Ratio Lower Upper

196 100

198 94.5 75.1 112.7

200 30.4 24.6 37.0



#43

1,1'-Biphenyl

Concen: 28.321 ng/ul

RT: 13.463 min Scan# 1747

Delta R.T. -0.000 min

Lab File: BM043398.D

Acq: 18 Dec 2023 18:08

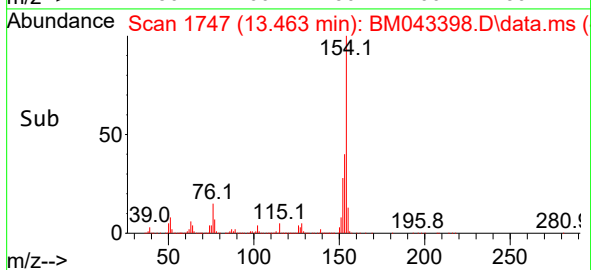
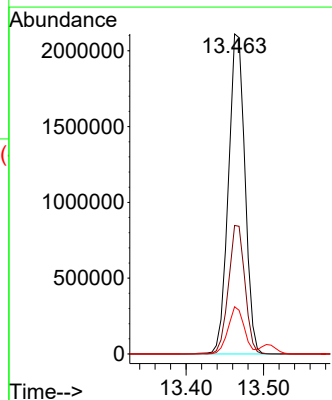
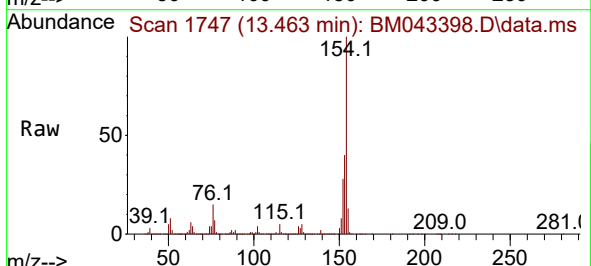
Tgt Ion:154 Resp: 3139599

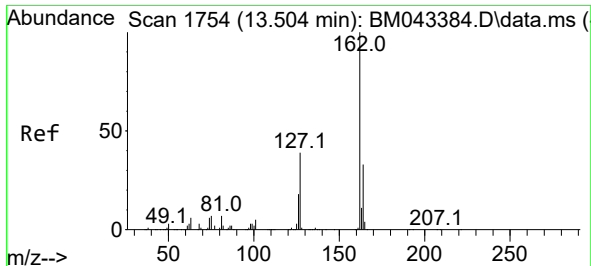
Ion Ratio Lower Upper

154 100

153 40.1 31.8 47.6

76 14.8 11.7 17.5

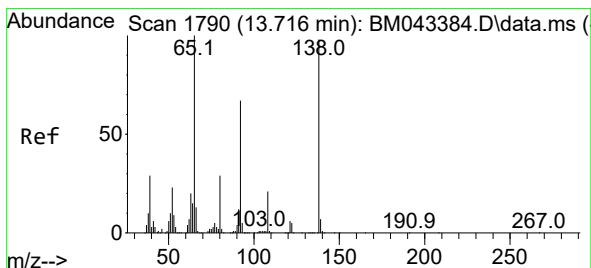
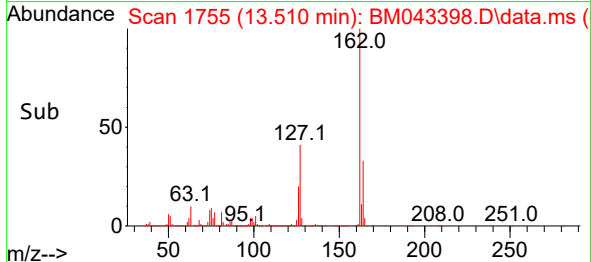
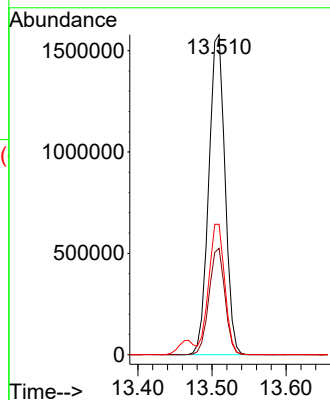
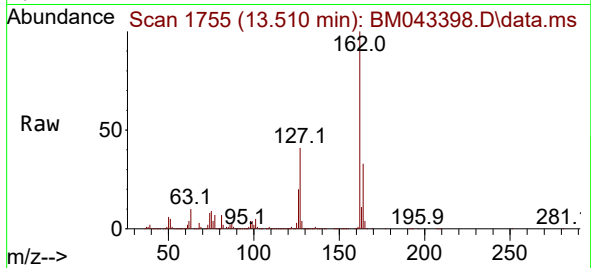




#44
2-Chloronaphthalene
Concen: 28.201 ng/ul
RT: 13.510 min Scan# 1755
Delta R.T. 0.006 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

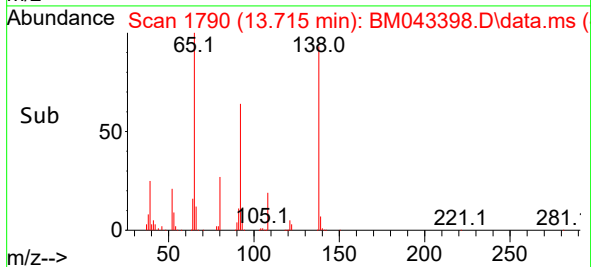
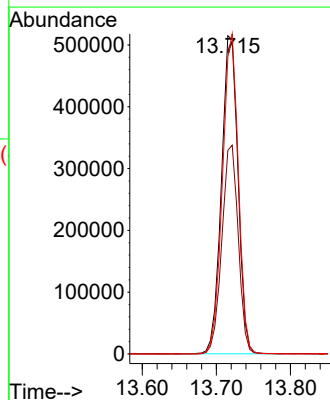
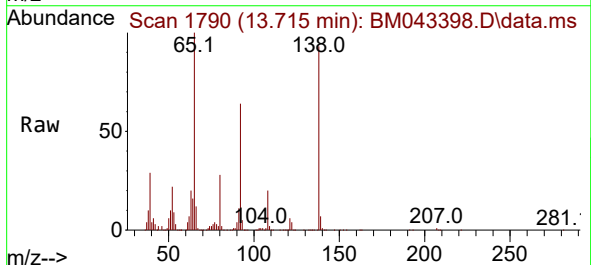
Instrument :
BNA_M
ClientSampleId :
SLCS639

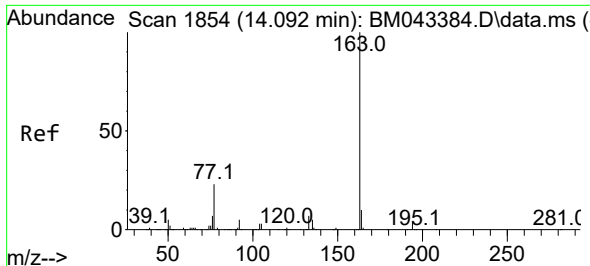
Tgt Ion:162 Resp: 2396826
Ion Ratio Lower Upper
162 100
164 33.3 26.4 39.6
127 40.7 32.2 48.4



#45
2-Nitroaniline
Concen: 28.009 ng/ul
RT: 13.715 min Scan# 1790
Delta R.T. -0.000 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

Tgt Ion: 65 Resp: 798278
Ion Ratio Lower Upper
65 100
92 64.0 51.4 77.2
138 93.4 78.4 117.6

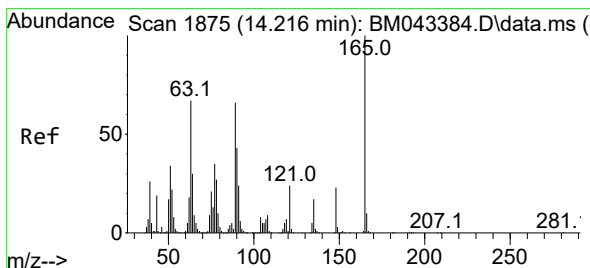
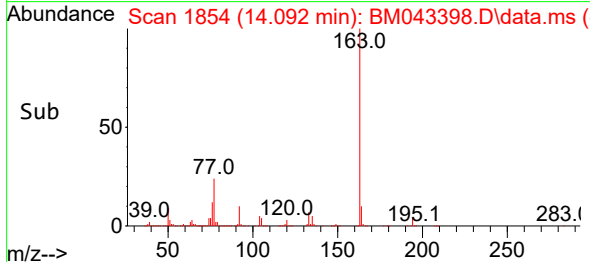
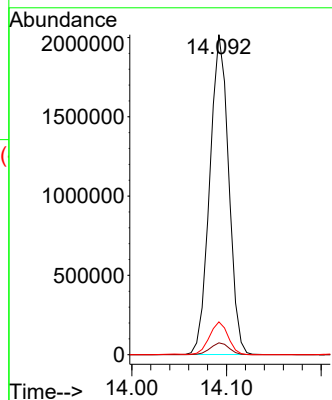
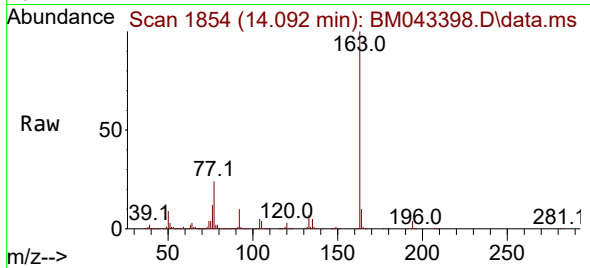




#47
Dimethylphthalate
Concen: 27.023 ng/ul
RT: 14.092 min Scan# 1854
Delta R.T. -0.000 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

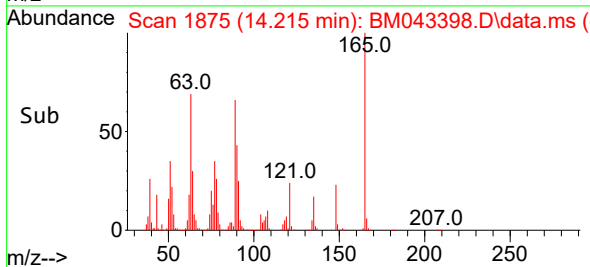
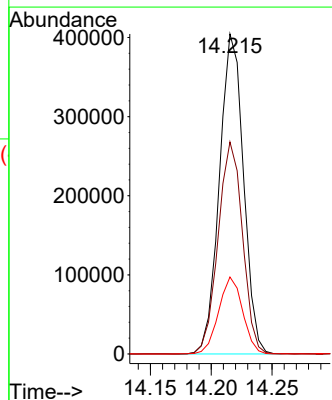
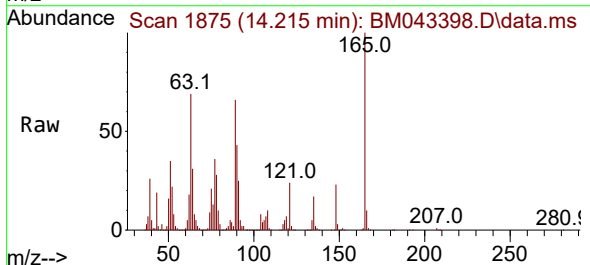
Instrument :
BNA_M
ClientSampleId :
SLCS639

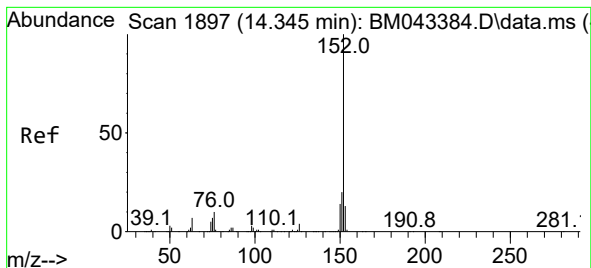
Tgt Ion:163 Resp: 2793868
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.4
164 10.2 8.0 12.0



#48
2,6-Dinitrotoluene
Concen: 27.852 ng/ul
RT: 14.215 min Scan# 1875
Delta R.T. -0.000 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

Tgt Ion:165 Resp: 556702
Ion Ratio Lower Upper
165 100
89 66.2 50.7 76.1
121 24.1 18.6 27.8





#50

Acenaphthylene

Concen: 27.573 ng/ul

RT: 14.351 min Scan# 11

Delta R.T. -0.000 min

Lab File: BM043398.D

Acq: 18 Dec 2023 18:08

Instrument :

BNA_M

ClientSampleId :

SLCS639

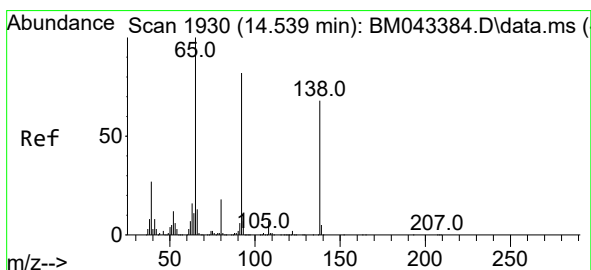
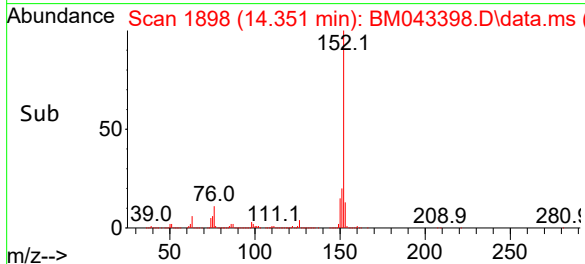
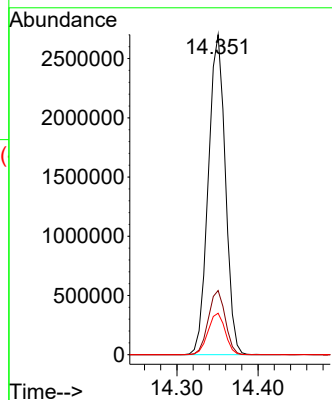
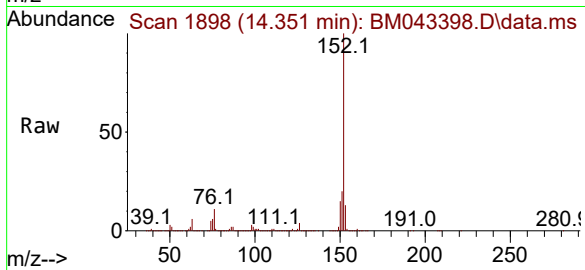
Tgt Ion:152 Resp: 3932276

Ion Ratio Lower Upper

152 100

151 20.1 15.6 23.4

153 13.0 10.2 15.4



#51

3-Nitroaniline

Concen: 26.443 ng/ul

RT: 14.539 min Scan# 1930

Delta R.T. -0.000 min

Lab File: BM043398.D

Acq: 18 Dec 2023 18:08

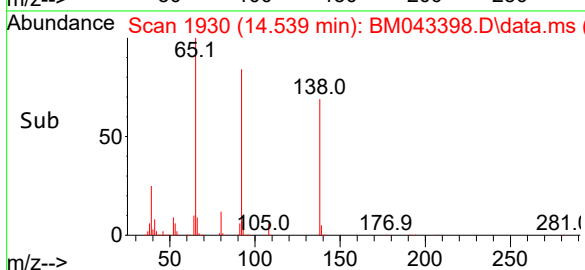
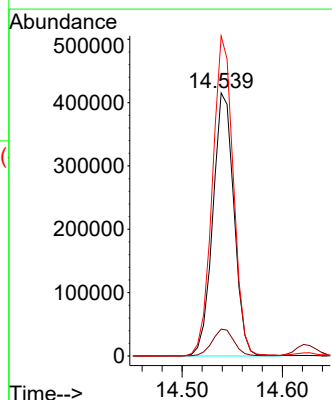
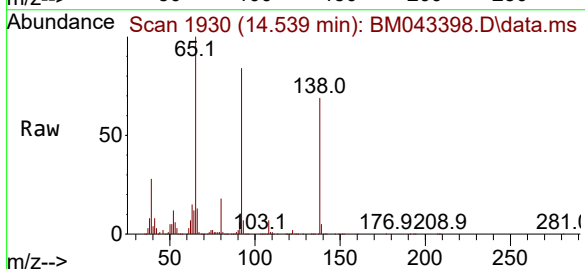
Tgt Ion:138 Resp: 606759

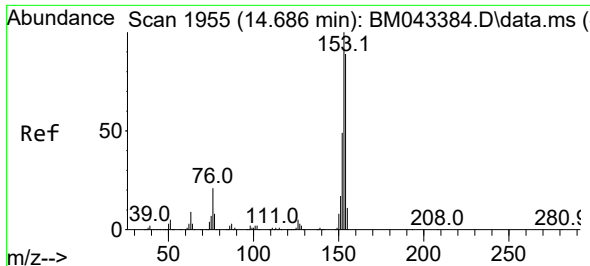
Ion Ratio Lower Upper

138 100

108 10.2 8.4 12.6

92 121.7 94.6 142.0

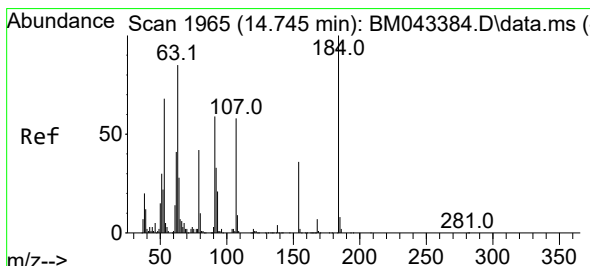
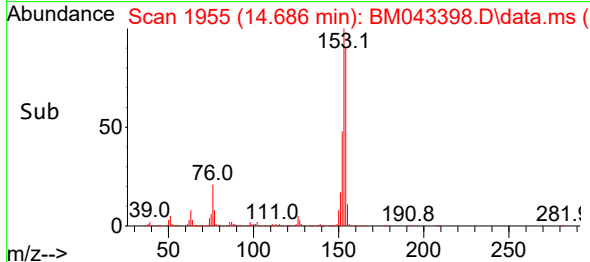
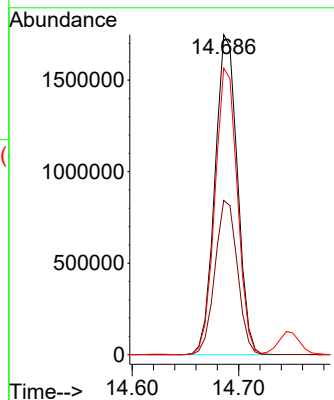
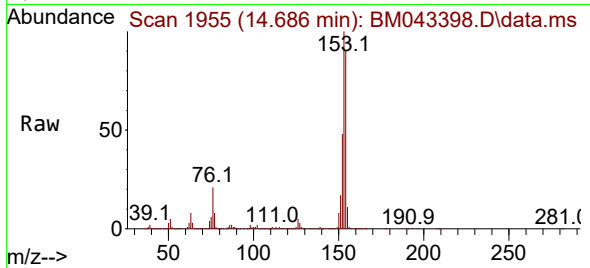




#52
Acenaphthene
Concen: 27.258 ng/ul
RT: 14.686 min Scan# 1955
Delta R.T. -0.000 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

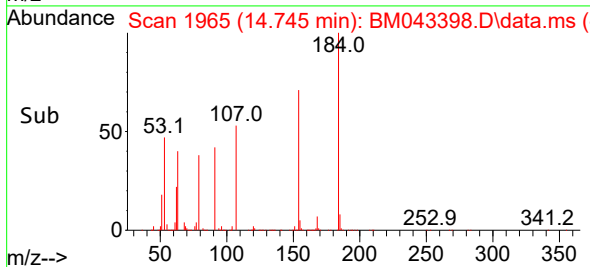
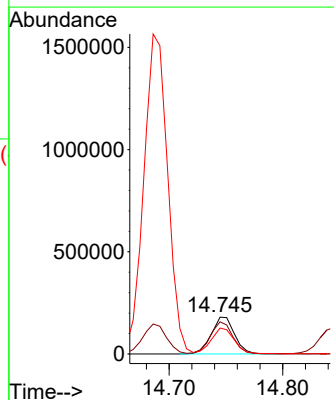
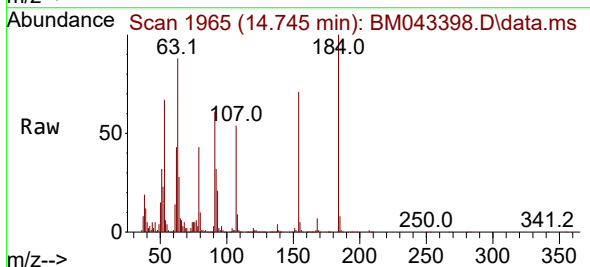
Instrument :
BNA_M
ClientSampleId :
SLCS639

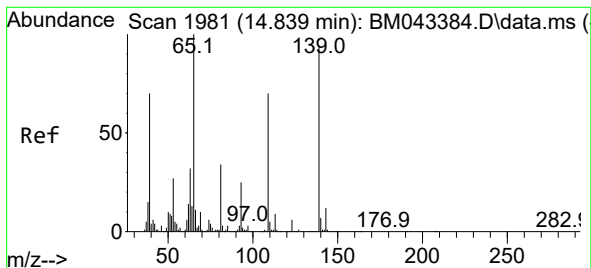
Tgt Ion:153 Resp: 2561995
Ion Ratio Lower Upper
153 100
152 48.2 38.1 57.1
154 89.5 70.4 105.6



#53
2,4-Dinitrophenol
Concen: 24.040 ng/ul
RT: 14.745 min Scan# 1965
Delta R.T. -0.000 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

Tgt Ion:184 Resp: 255798
Ion Ratio Lower Upper
184 100
63 87.5 64.9 97.3
154 70.6 53.1 79.7

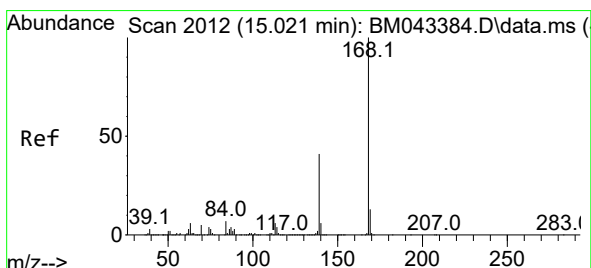
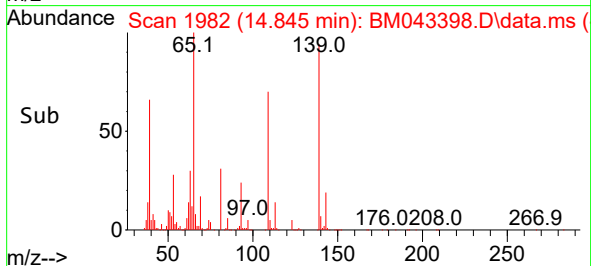
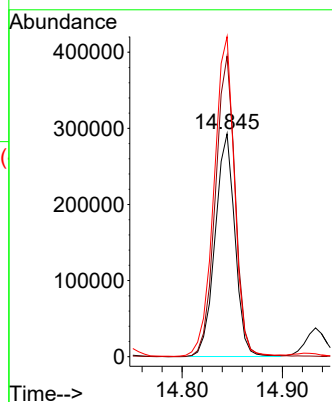
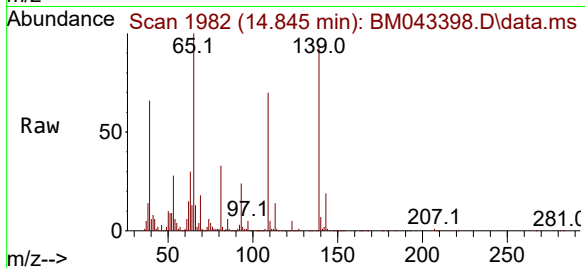




#55
4-Nitrophenol
Concen: 26.108 ng/ul
RT: 14.845 min Scan# 1981
Delta R.T. 0.006 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

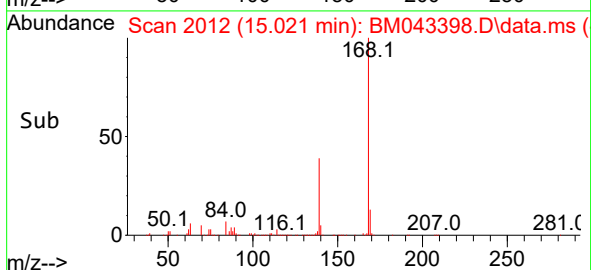
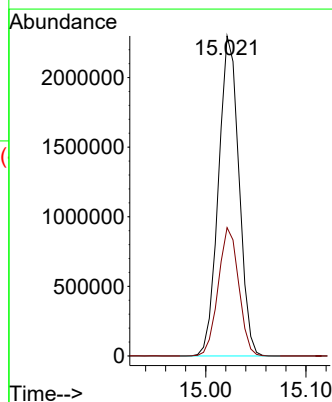
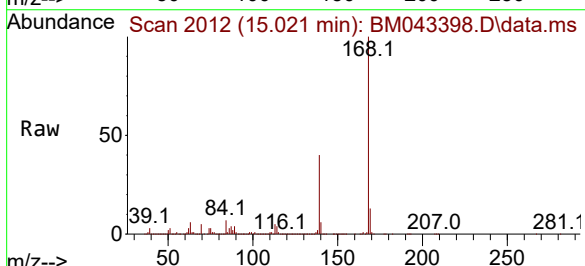
Instrument :
BNA_M
ClientSampleId :
SLCS639

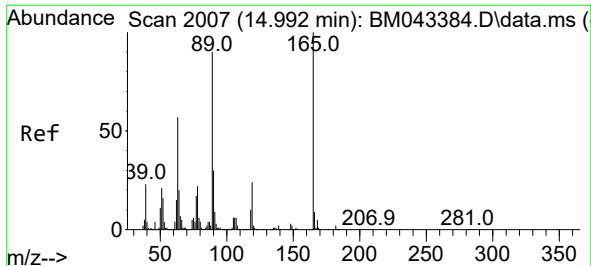
Tgt Ion:109 Resp: 401692
Ion Ratio Lower Upper
109 100
139 134.9 107.0 160.6
65 143.6 110.4 165.6



#56
Dibenzofuran
Concen: 26.756 ng/ul
RT: 15.021 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

Tgt Ion:168 Resp: 3247880
Ion Ratio Lower Upper
168 100
139 40.1 31.8 47.8





#57

2,4-Dinitrotoluene

Concen: 26.764 ng/ul

RT: 14.998 min Scan# 2008

Delta R.T. 0.006 min

Lab File: BM043398.D

Acq: 18 Dec 2023 18:08

Instrument :

BNA_M

ClientSampleId :

SLCS639

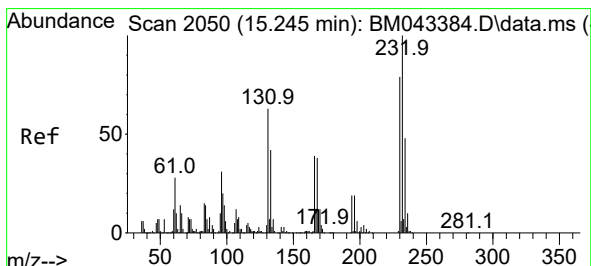
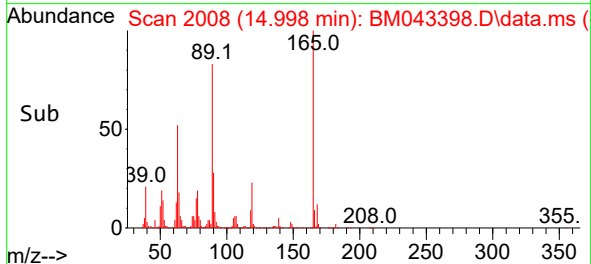
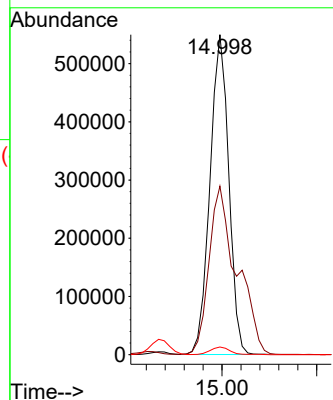
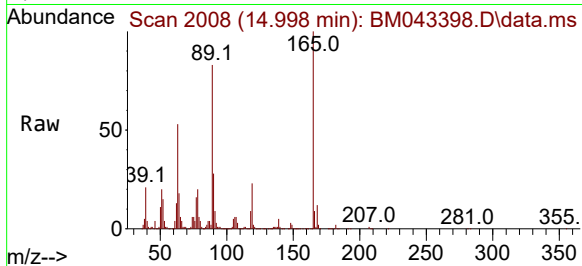
Tgt Ion:165 Resp: 755794

Ion Ratio Lower Upper

165 100

63 52.7 43.2 64.8

182 2.4 2.3 3.5



#58

2,3,4,6-Tetrachlorophenol

Concen: 23.936 ng/ul

RT: 15.245 min Scan# 2050

Delta R.T. -0.000 min

Lab File: BM043398.D

Acq: 18 Dec 2023 18:08

Tgt Ion:232 Resp: 490450

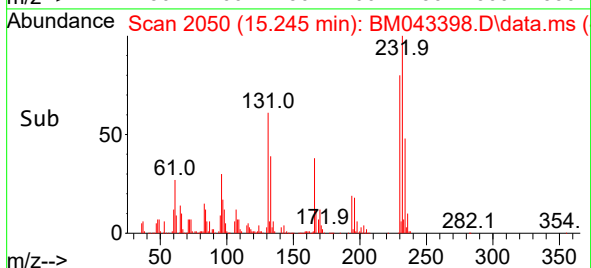
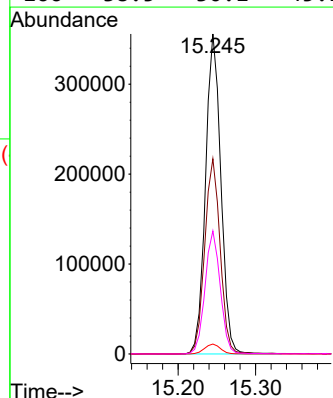
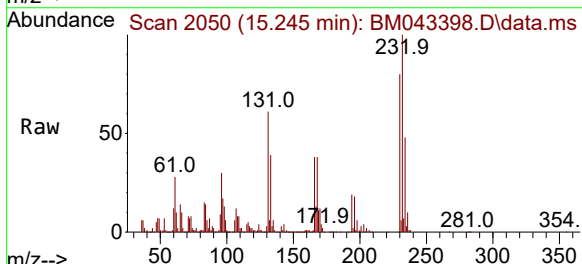
Ion Ratio Lower Upper

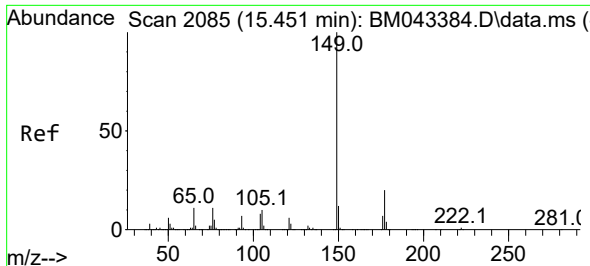
232 100

131 61.0 47.4 71.0

130 3.1 2.4 3.6

166 38.5 30.1 45.1

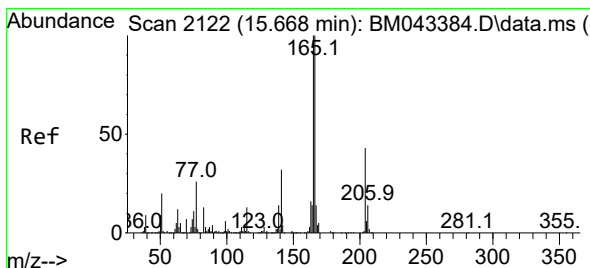
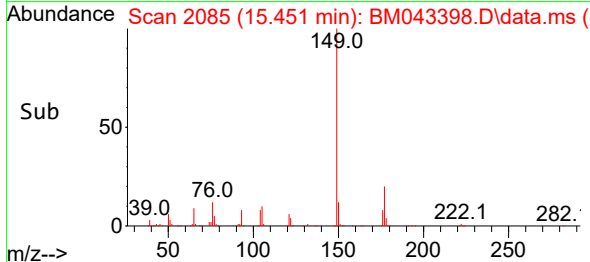
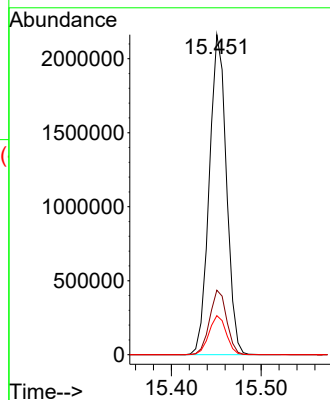
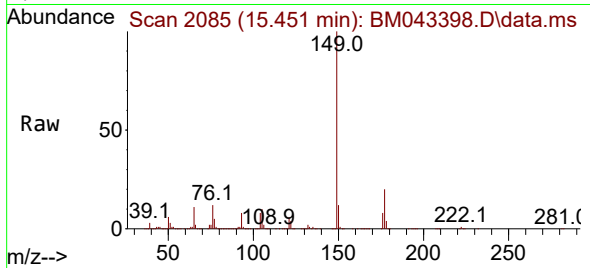




#59
Diethylphthalate
Concen: 27.080 ng/ul
RT: 15.451 min Scan# 2085
Delta R.T. -0.000 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

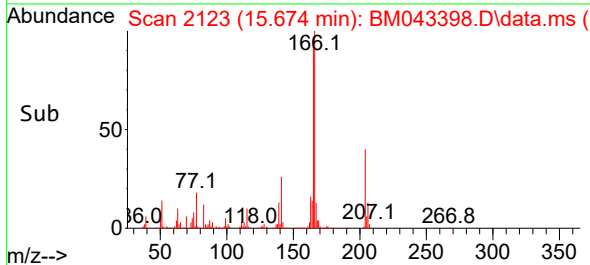
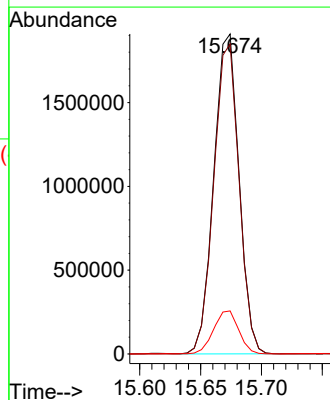
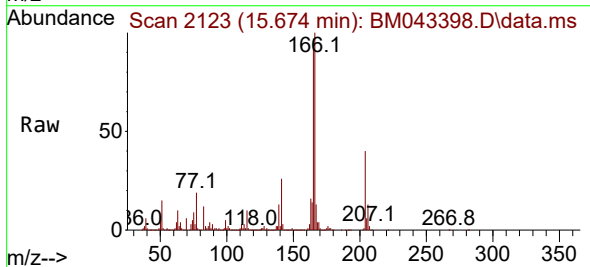
Instrument :
BNA_M
ClientSampleId :
SLCS639

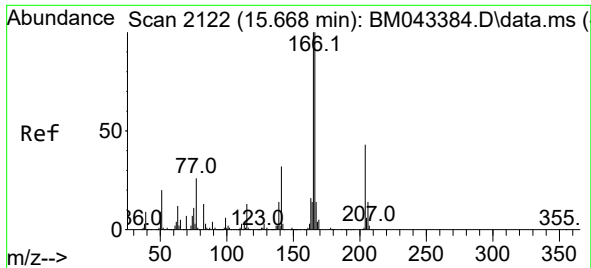
Tgt Ion:149 Resp: 2869085
Ion Ratio Lower Upper
149 100
177 20.1 16.6 24.8
150 12.2 9.7 14.5



#61
Fluorene
Concen: 26.530 ng/ul
RT: 15.674 min Scan# 2123
Delta R.T. 0.006 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

Tgt Ion:166 Resp: 2751234
Ion Ratio Lower Upper
166 100
165 96.9 76.9 115.3
167 13.5 10.9 16.3

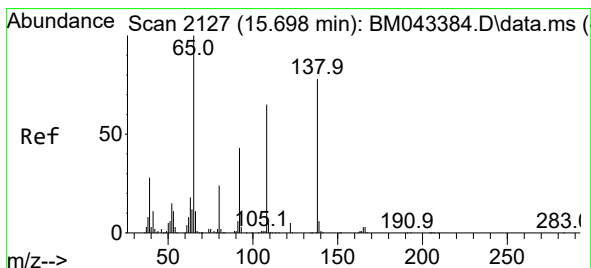
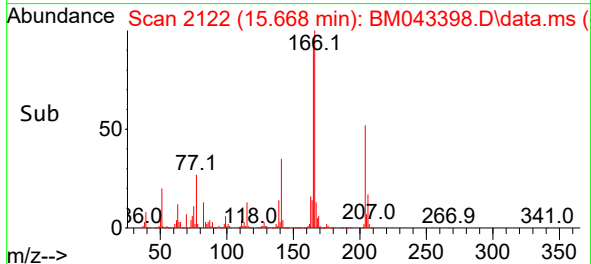
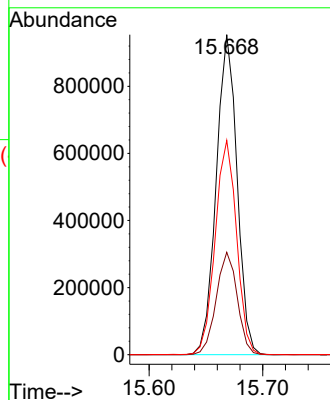
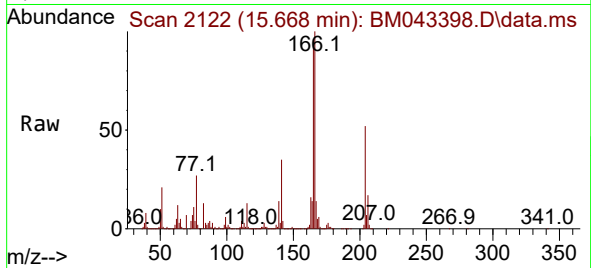




#62
4-Chlorophenyl-phenylether
Concen: 26.697 ng/ul
RT: 15.668 min Scan# 2122
Delta R.T. -0.000 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

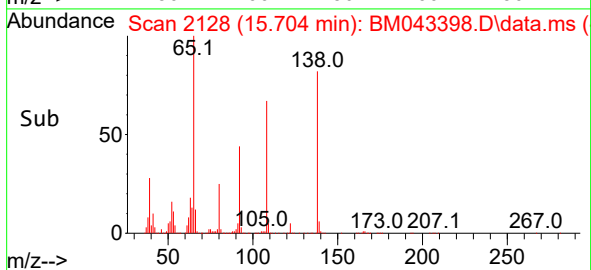
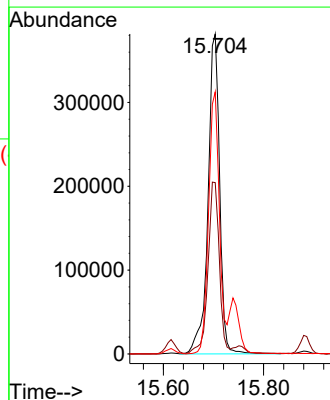
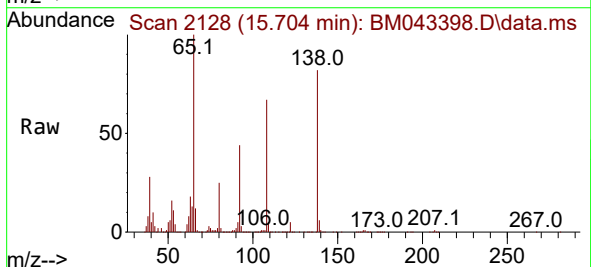
Instrument :
BNA_M
ClientSampleId :
SLCS639

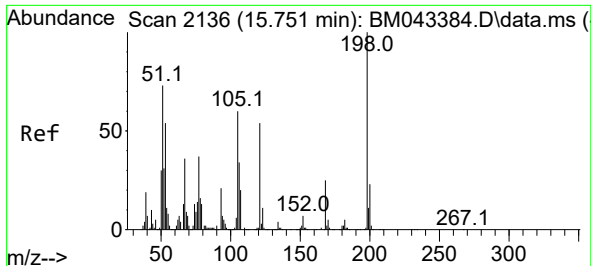
Tgt Ion:204 Resp: 1217821
Ion Ratio Lower Upper
204 100
206 32.0 25.3 37.9
141 66.9 54.2 81.2



#63
4-Nitroaniline
Concen: 29.370 ng/ul
RT: 15.704 min Scan# 2128
Delta R.T. 0.006 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

Tgt Ion:138 Resp: 616858
Ion Ratio Lower Upper
138 100
92 53.5 43.9 65.9
108 81.9 67.0 100.6

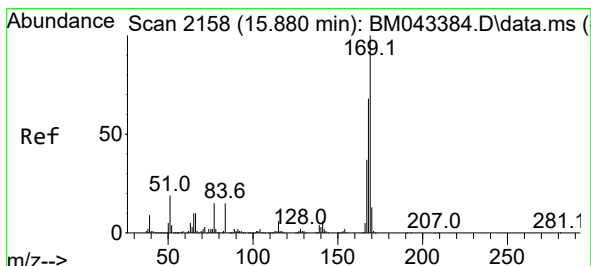
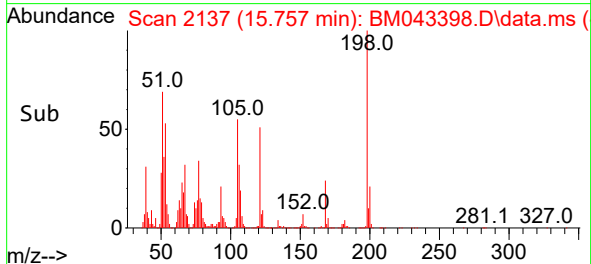
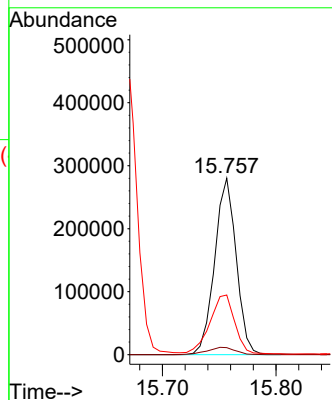
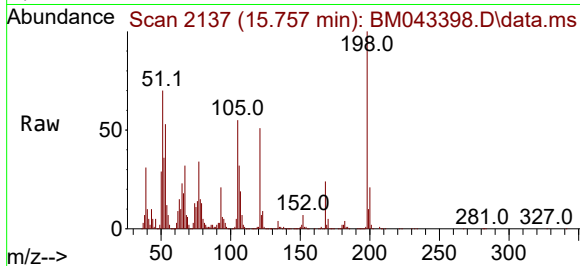




#66
 4,6-Dinitro-2-methylphenol
 Concen: 27.321 ng/ul
 RT: 15.757 min Scan# 2136
 Delta R.T. 0.006 min
 Lab File: BM043398.D
 Acq: 18 Dec 2023 18:08

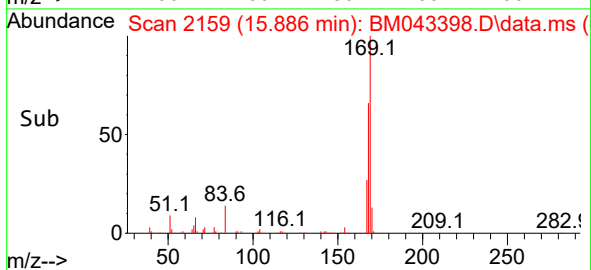
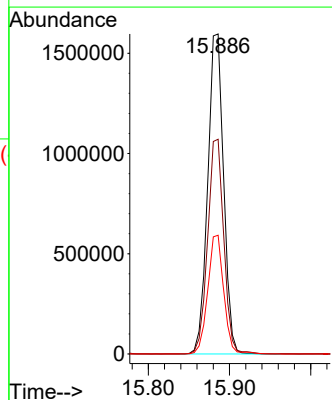
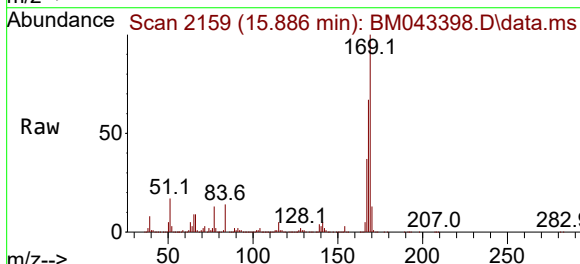
Instrument :
 BNA_M
 ClientSampleId :
 SLCS639

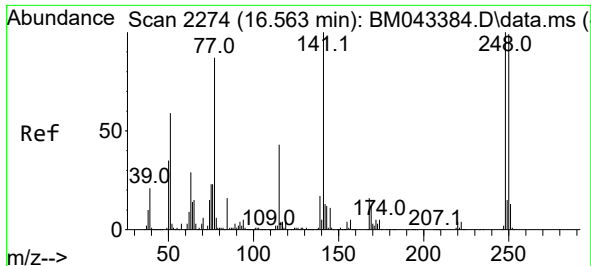
Tgt Ion:198 Resp: 370361
 Ion Ratio Lower Upper
 198 100
 182 4.0 3.8 5.6
 77 33.8 27.6 41.4



#67
 N-Nitrosodiphenylamine
 Concen: 29.373 ng/ul
 RT: 15.886 min Scan# 2159
 Delta R.T. 0.006 min
 Lab File: BM043398.D
 Acq: 18 Dec 2023 18:08

Tgt Ion:169 Resp: 2165944
 Ion Ratio Lower Upper
 169 100
 168 67.1 54.1 81.1
 167 37.1 29.8 44.8

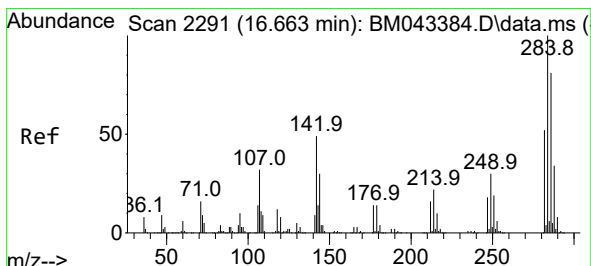
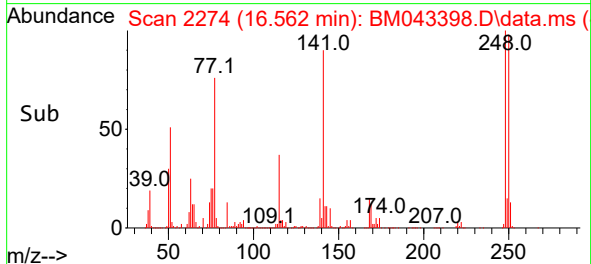
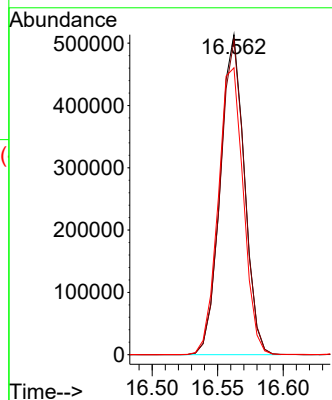
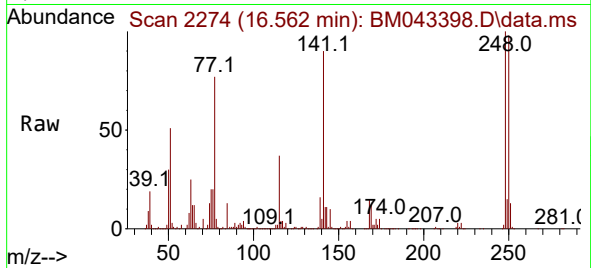




#68
4-Bromophenyl-phenylether
Concen: 28.916 ng/ul
RT: 16.562 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

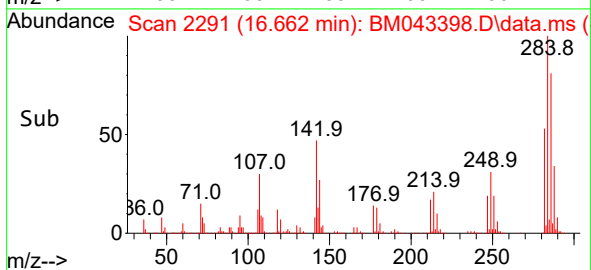
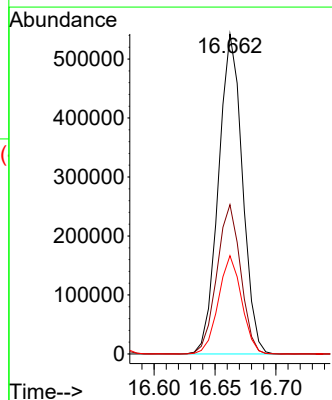
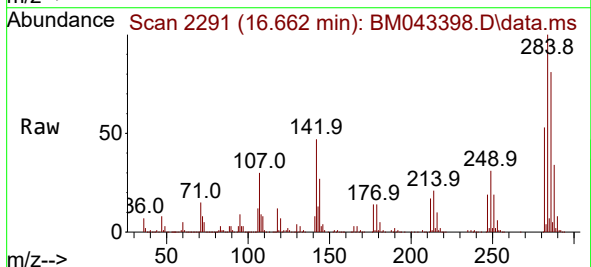
Instrument :
BNA_M
ClientSampleId :
SLCS639

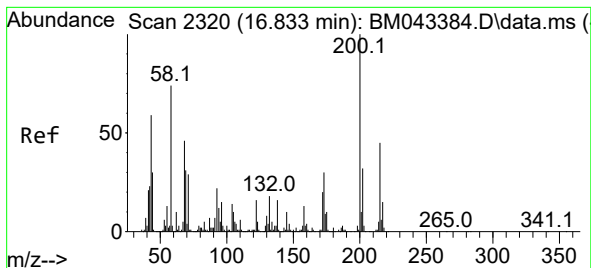
Tgt Ion:248 Resp: 657676
Ion Ratio Lower Upper
248 100
250 98.2 78.6 118.0
141 89.6 70.1 105.1



#69
Hexachlorobenzene
Concen: 28.448 ng/ul
RT: 16.662 min Scan# 2291
Delta R.T. -0.000 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

Tgt Ion:284 Resp: 741283
Ion Ratio Lower Upper
284 100
142 46.7 34.5 51.7
249 30.7 23.8 35.6





#70

Atrazine

Concen: 21.749 ng/ul

RT: 16.839 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM043398.D

Acq: 18 Dec 2023 18:08

Instrument :

BNA_M

ClientSampleId :

SLCS639

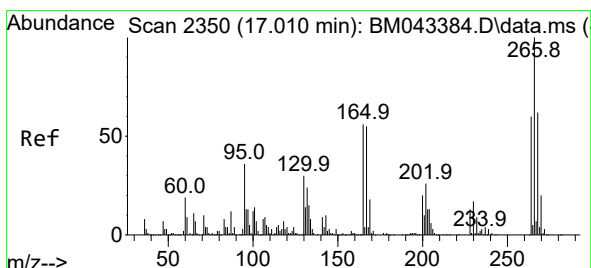
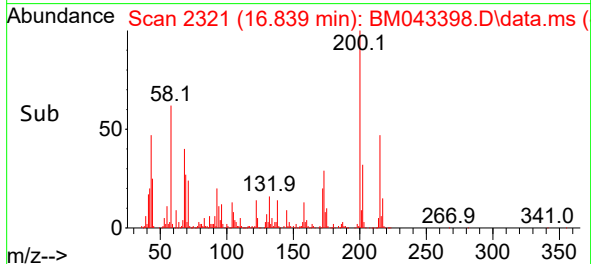
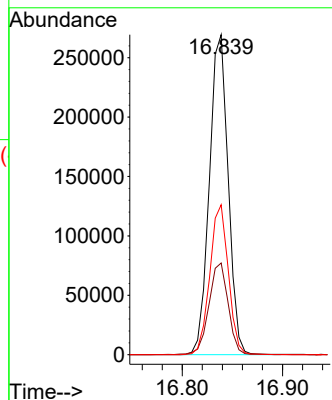
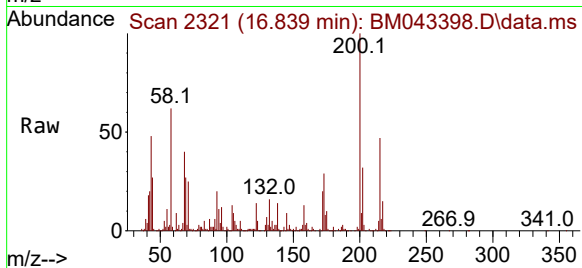
Tgt Ion:200 Resp: 351539

Ion Ratio Lower Upper

200 100

173 28.6 23.4 35.2

215 46.8 37.8 56.8



#71

Pentachlorophenol

Concen: 24.582 ng/ul

RT: 17.009 min Scan# 2350

Delta R.T. -0.000 min

Lab File: BM043398.D

Acq: 18 Dec 2023 18:08

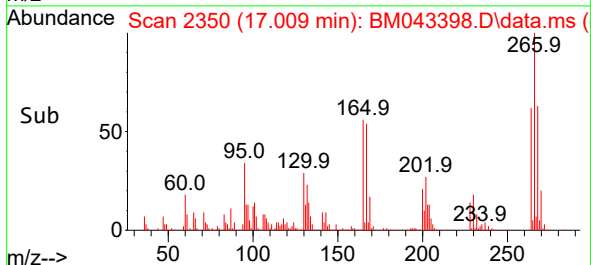
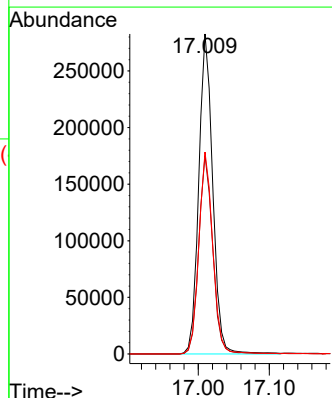
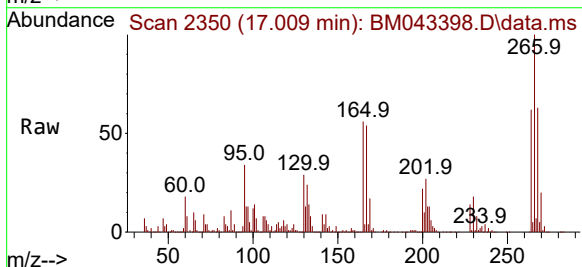
Tgt Ion:266 Resp: 387242

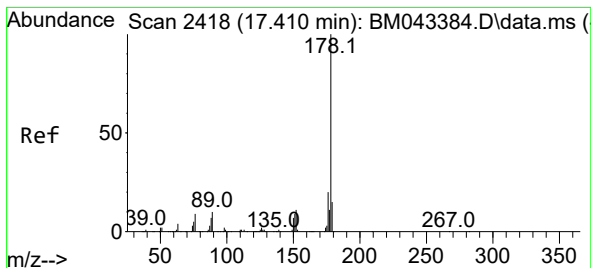
Ion Ratio Lower Upper

266 100

264 62.1 49.9 74.9

268 63.1 51.0 76.6





#72

Phenanthrene

Concen: 28.185 ng/ul

RT: 17.409 min Scan# 2418

Delta R.T. -0.000 min

Lab File: BM043398.D

Acq: 18 Dec 2023 18:08

Instrument :

BNA_M

ClientSampleId :

SLCS639

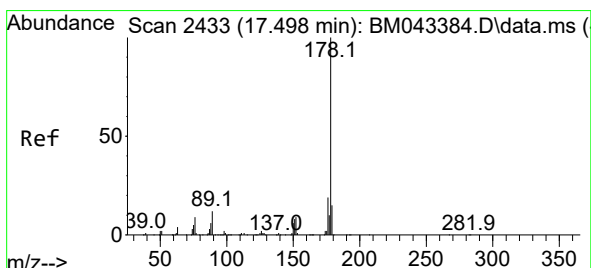
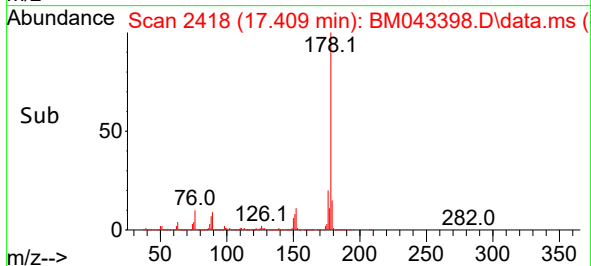
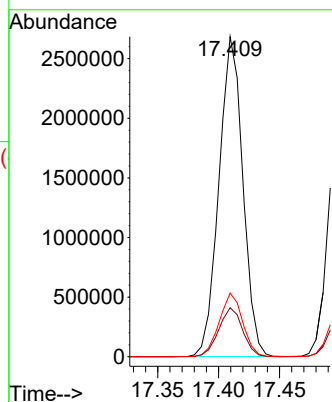
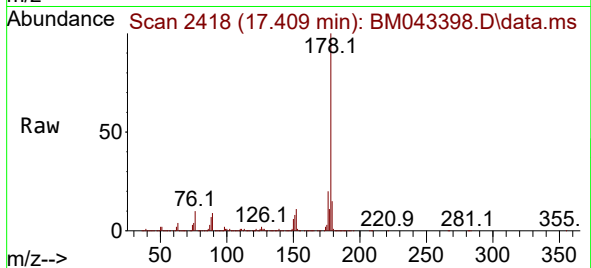
Tgt Ion:178 Resp: 3667298

Ion Ratio Lower Upper

178 100

179 15.3 12.2 18.4

176 19.9 15.5 23.3



#74

Anthracene

Concen: 27.405 ng/ul

RT: 17.503 min Scan# 2434

Delta R.T. 0.006 min

Lab File: BM043398.D

Acq: 18 Dec 2023 18:08

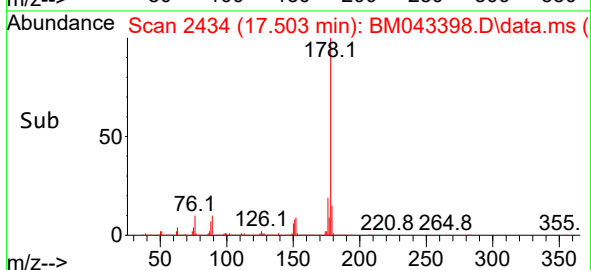
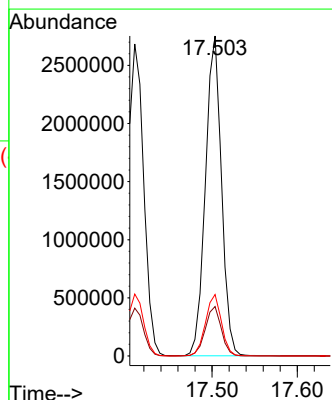
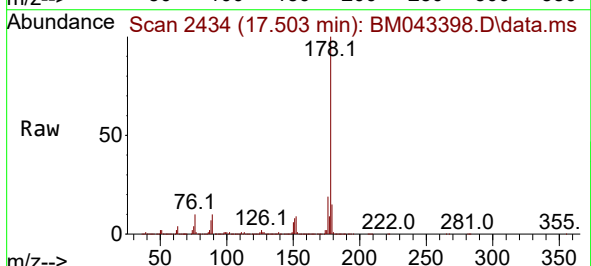
Tgt Ion:178 Resp: 3598697

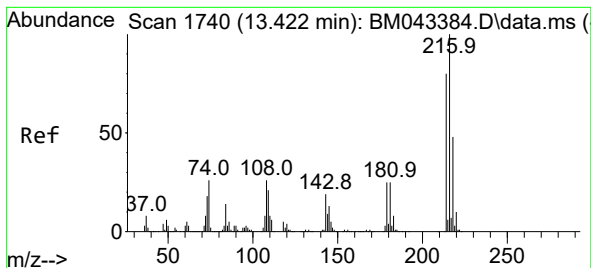
Ion Ratio Lower Upper

178 100

179 15.5 12.4 18.6

176 19.2 15.2 22.8





#75

1,2,3,4-Tetrachlorobenzene

Concen: 31.990 ng/uL

RT: 13.427 min Scan# 1

Delta R.T. 0.006 min

Lab File: BM043398.D

Acq: 18 Dec 2023 18:08

Instrument :

BNA_M

ClientSampleId :

SLCS639

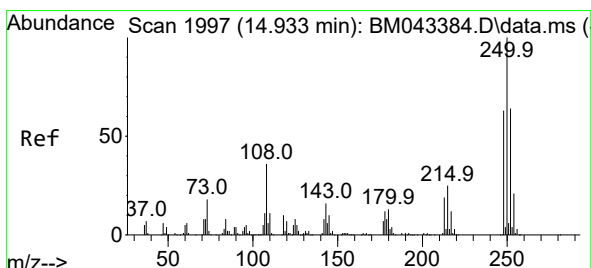
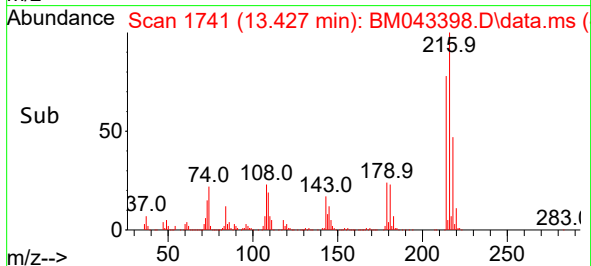
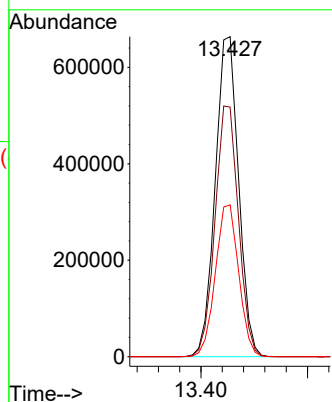
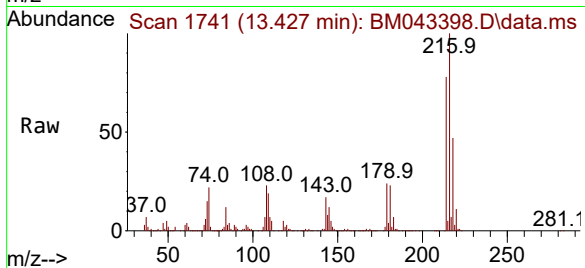
Tgt Ion:216 Resp: 1008581

Ion Ratio Lower Upper

216 100

214 78.0 63.0 94.6

218 47.4 38.6 57.8



#76

Pentachlorobenzene

Concen: 30.120 ng/uL

RT: 14.933 min Scan# 1997

Delta R.T. -0.000 min

Lab File: BM043398.D

Acq: 18 Dec 2023 18:08

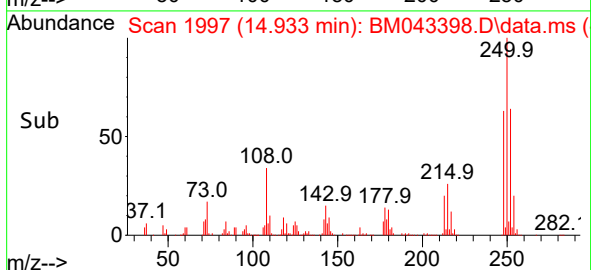
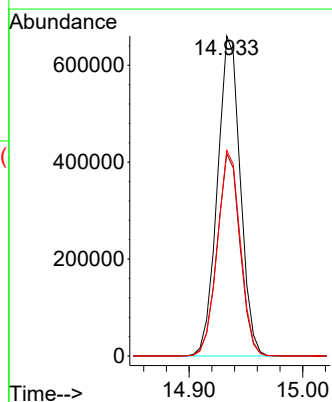
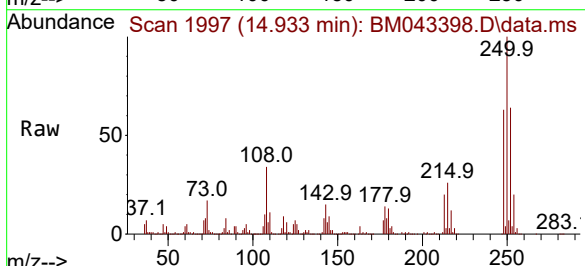
Tgt Ion:250 Resp: 924678

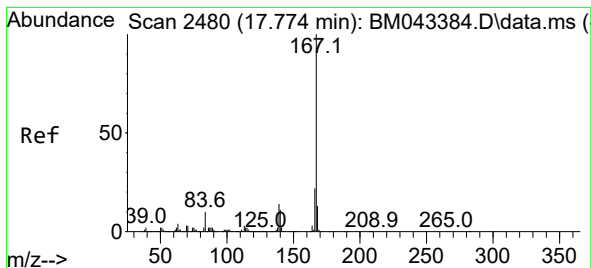
Ion Ratio Lower Upper

250 100

248 63.2 49.0 73.4

252 64.3 49.6 74.4





#77

Carbazole

Concen: 29.182 ng/ul

RT: 17.774 min Scan# 24

Delta R.T. -0.000 min

Lab File: BM043398.D

Acq: 18 Dec 2023 18:08

Instrument :

BNA_M

ClientSampleId :

SLCS639

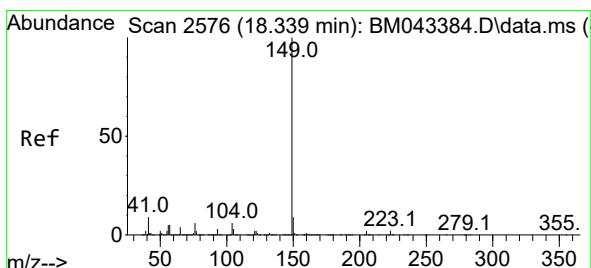
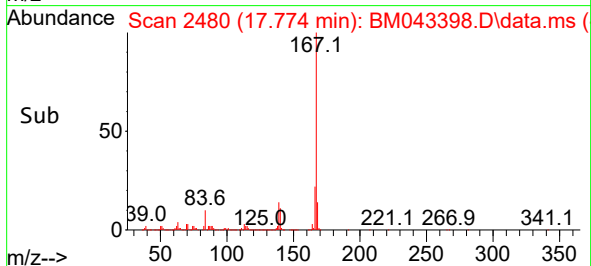
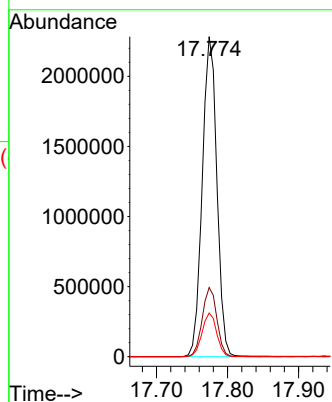
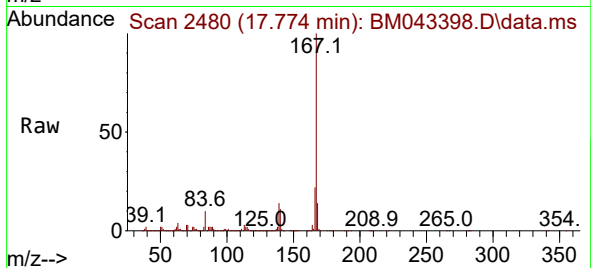
Tgt Ion:167 Resp: 3270526

Ion Ratio Lower Upper

167 100

166 21.6 17.3 25.9

139 13.7 10.7 16.1



#78

Di-n-butylphthalate

Concen: 31.017 ng/ul

RT: 18.345 min Scan# 2577

Delta R.T. 0.006 min

Lab File: BM043398.D

Acq: 18 Dec 2023 18:08

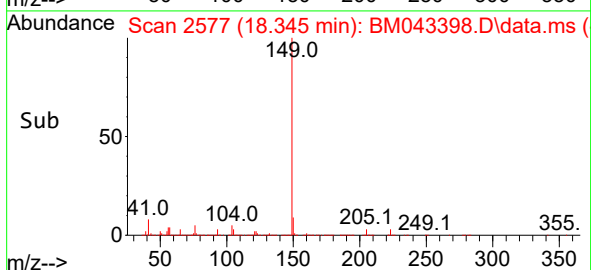
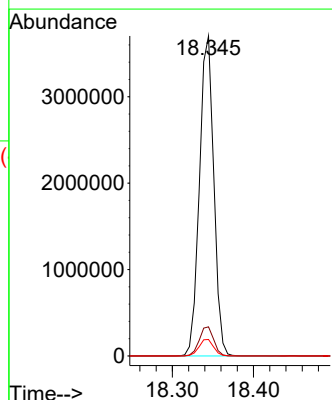
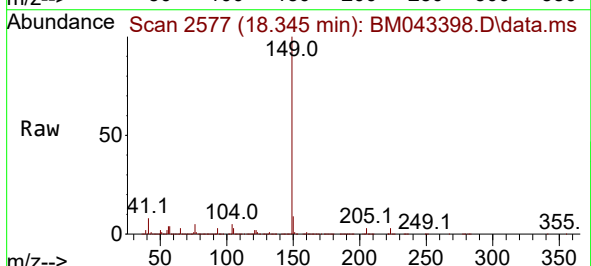
Tgt Ion:149 Resp: 4544532

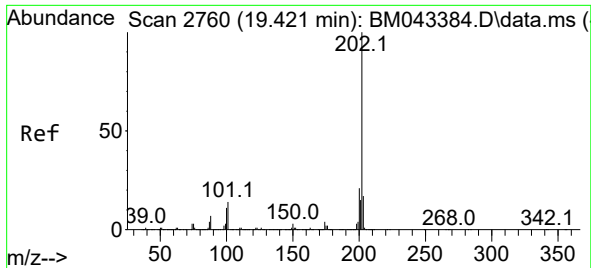
Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.0

104 5.2 4.2 6.2

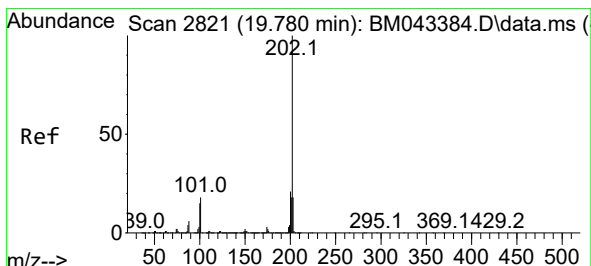
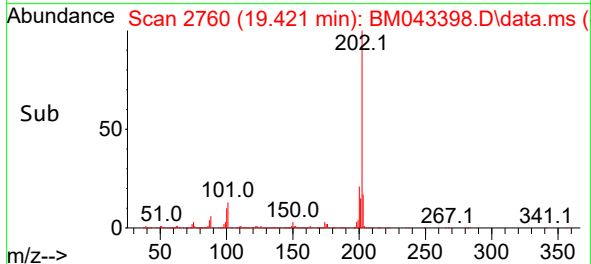
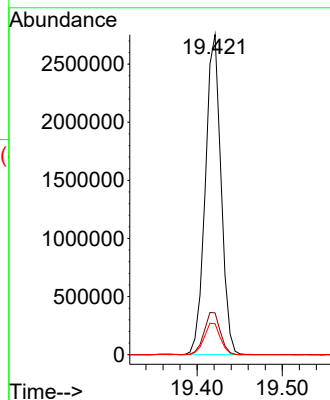
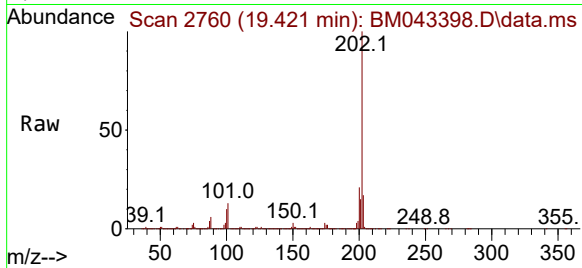




#80
Fluoranthene
Concen: 26.561 ng/ul
RT: 19.421 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

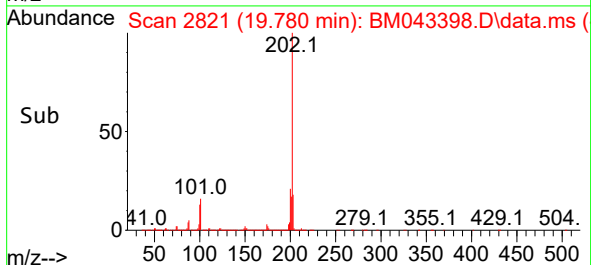
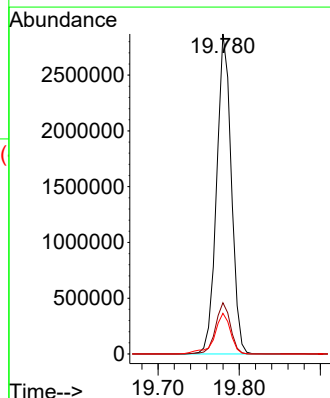
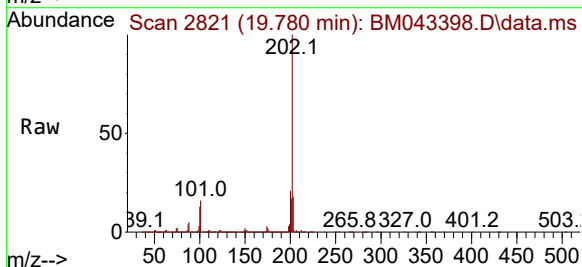
Instrument :
BNA_M
ClientSampleId :
SLCS639

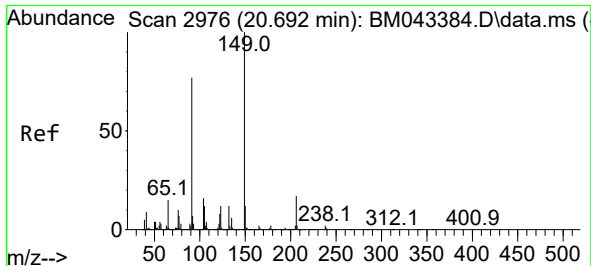
Tgt Ion:202 Resp: 3510572
Ion Ratio Lower Upper
202 100
101 13.1 11.4 17.0
100 9.7 8.2 12.4



#82
Pyrene
Concen: 26.518 ng/ul
RT: 19.780 min Scan# 2821
Delta R.T. -0.000 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

Tgt Ion:202 Resp: 3603182
Ion Ratio Lower Upper
202 100
101 16.0 12.7 19.1
100 12.7 10.1 15.1

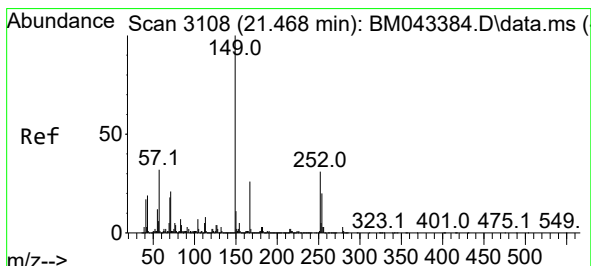
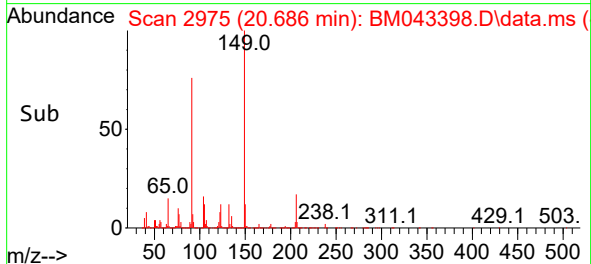
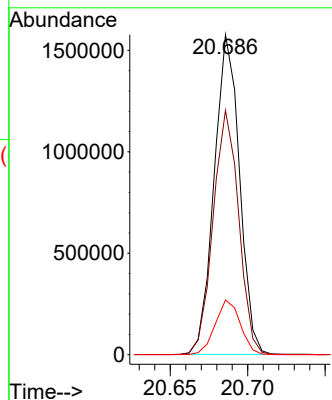
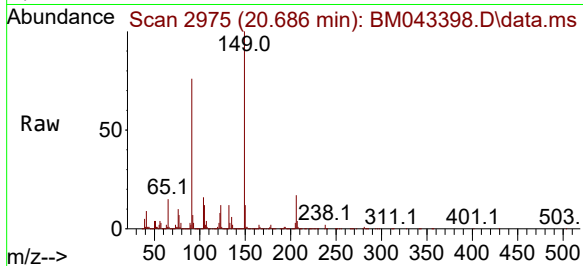




#83
Butylbenzylphthalate
Concen: 30.476 ng/ul
RT: 20.686 min Scan# 2975
Delta R.T. -0.000 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

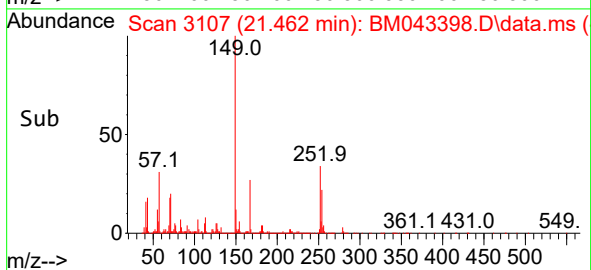
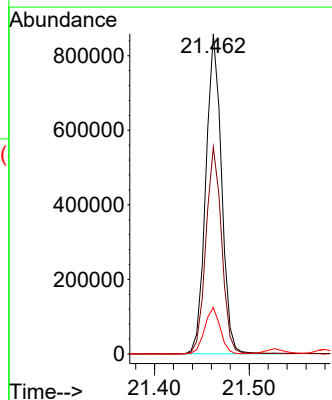
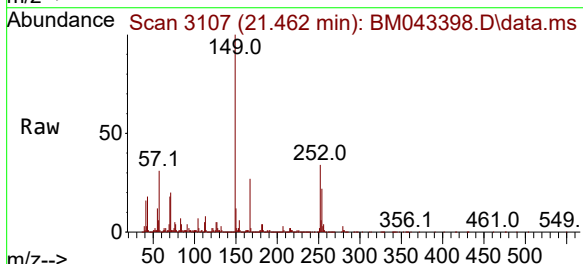
Instrument :
BNA_M
ClientSampleId :
SLCS639

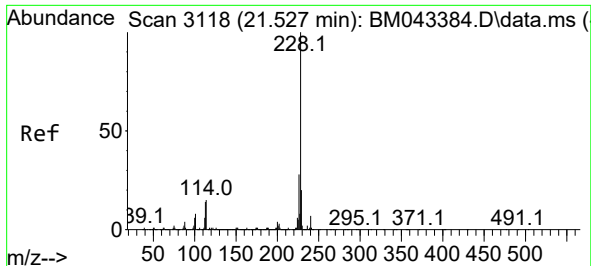
Tgt Ion:149 Resp: 1790334
Ion Ratio Lower Upper
149 100
91 76.4 60.5 90.7
206 17.1 13.9 20.9



#84
3,3'-Dichlorobenzidine
Concen: 29.686 ng/ul
RT: 21.462 min Scan# 3107
Delta R.T. 0.006 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

Tgt Ion:252 Resp: 988398
Ion Ratio Lower Upper
252 100
254 64.6 50.7 76.1
126 14.6 12.3 18.5

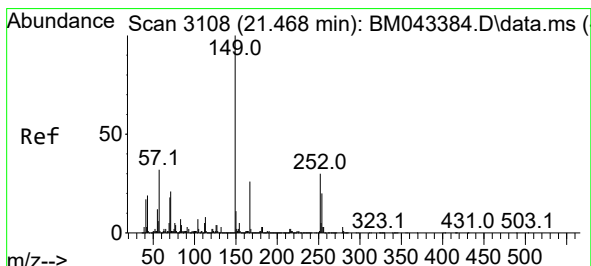
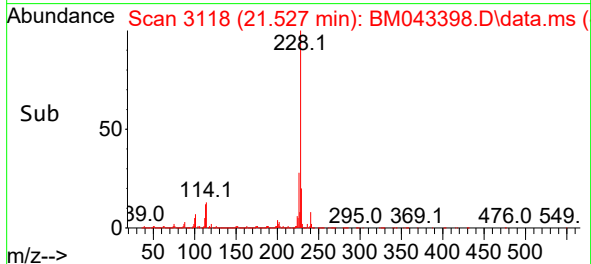
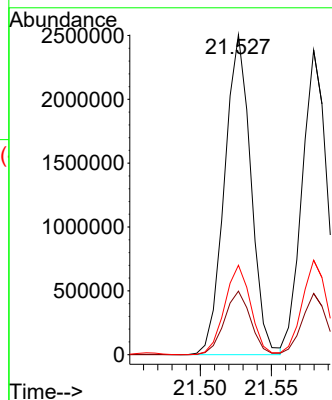
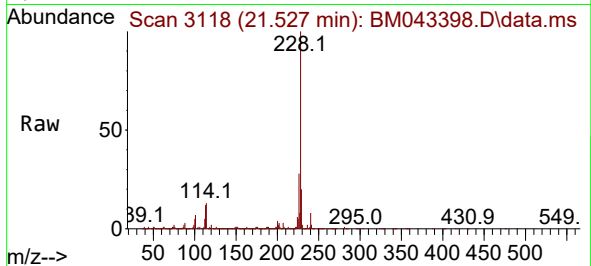




#85
Benzo(a)anthracene
Concen: 28.642 ng/ul
RT: 21.527 min Scan# 3118
Delta R.T. 0.006 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

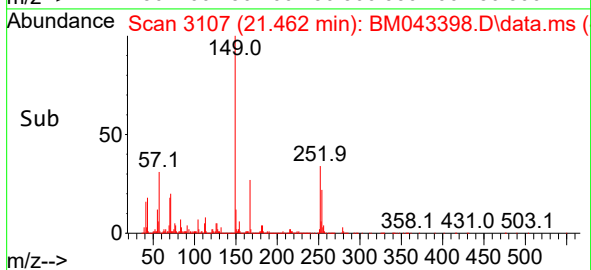
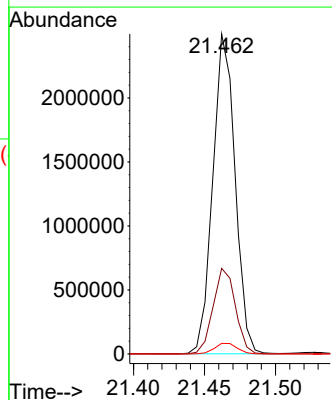
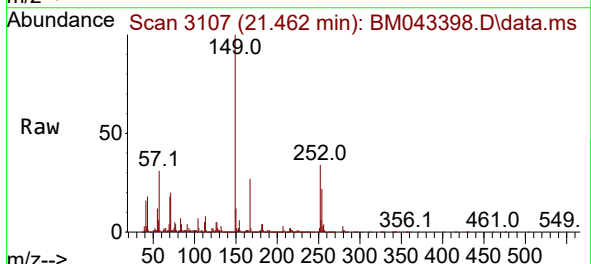
Instrument :
BNA_M
ClientSampleId :
SLCS639

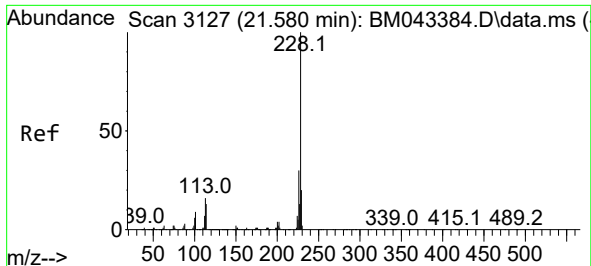
Tgt Ion:228 Resp: 3237851
Ion Ratio Lower Upper
228 100
229 19.9 15.6 23.4
226 27.9 22.2 33.2



#86
Bis(2-ethylhexyl)phthalate
Concen: 32.573 ng/ul
RT: 21.462 min Scan# 3107
Delta R.T. -0.000 min
Lab File: BM043398.D
Acq: 18 Dec 2023 18:08

Tgt Ion:149 Resp: 2724269
Ion Ratio Lower Upper
149 100
167 26.8 21.6 32.4
279 3.3 2.8 4.2





#87

Chrysene

Concen: 28.689 ng/ul

RT: 21.580 min Scan# 31

Delta R.T. 0.006 min

Lab File: BM043398.D

Acq: 18 Dec 2023 18:08

Instrument :

BNA_M

ClientSampleId :

SLCS639

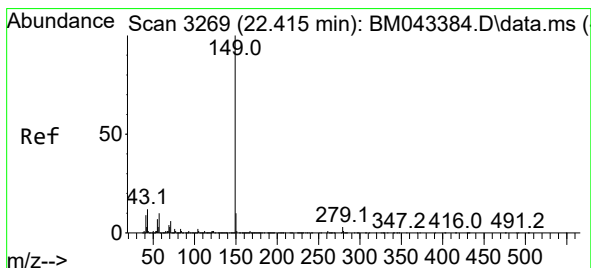
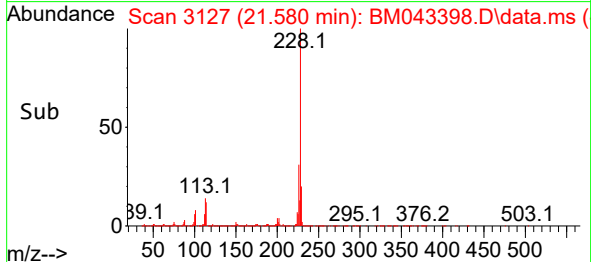
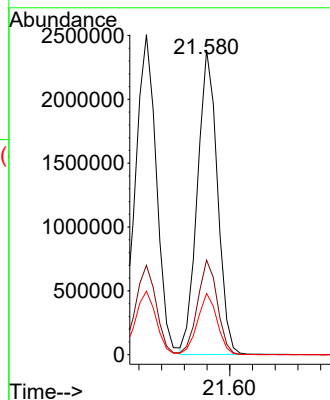
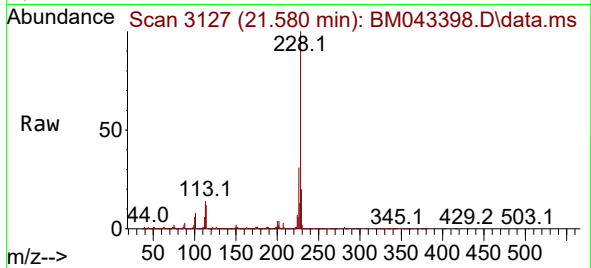
Tgt Ion:228 Resp: 2917610

Ion Ratio Lower Upper

228 100

226 31.0 24.2 36.2

229 20.1 15.9 23.9



#89

Di-n-octyl phthalate

Concen: 31.717 ng/ul

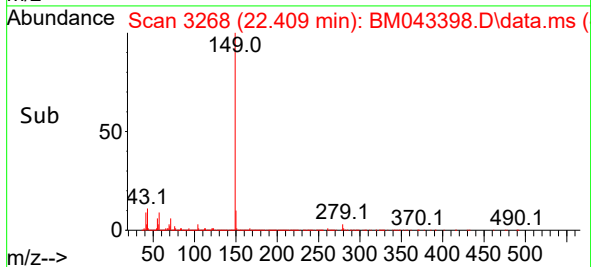
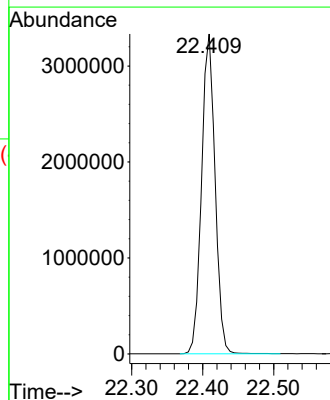
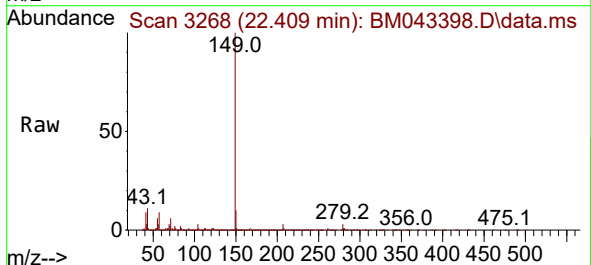
RT: 22.409 min Scan# 3268

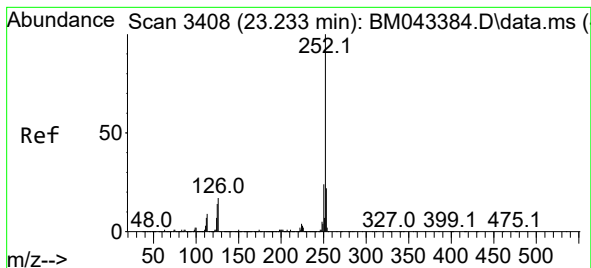
Delta R.T. 0.006 min

Lab File: BM043398.D

Acq: 18 Dec 2023 18:08

Tgt Ion:149 Resp: 4415884





#90

Benzo(b)fluoranthene

Concen: 27.553 ng/ul

RT: 23.227 min Scan# 3407

Delta R.T. 0.006 min

Lab File: BM043398.D

Acq: 18 Dec 2023 18:08

Instrument :

BNA_M

ClientSampleId :

SLCS639

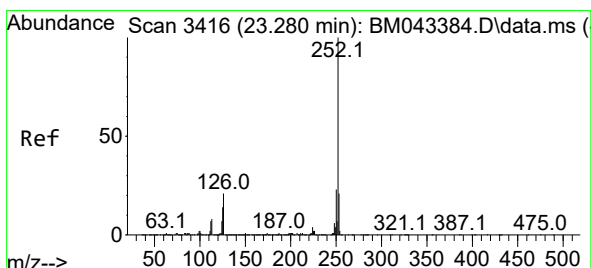
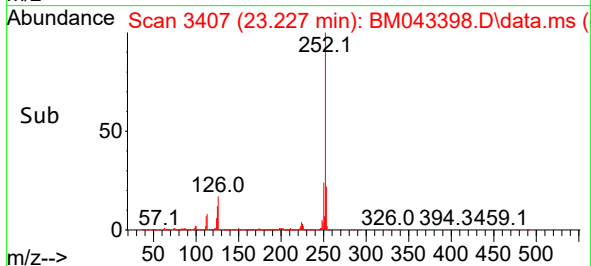
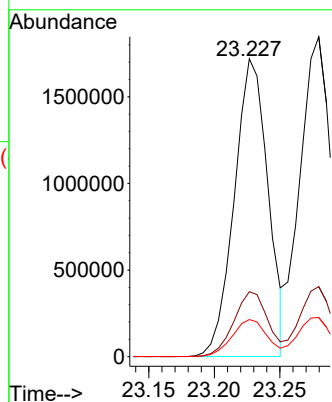
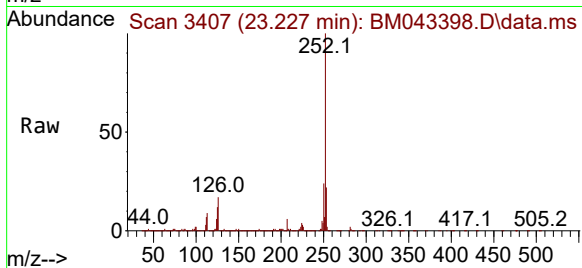
Tgt Ion:252 Resp: 3073121

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

125 12.5 10.4 15.6



#91

Benzo(k)fluoranthene

Concen: 28.818 ng/ul

RT: 23.280 min Scan# 3416

Delta R.T. 0.012 min

Lab File: BM043398.D

Acq: 18 Dec 2023 18:08

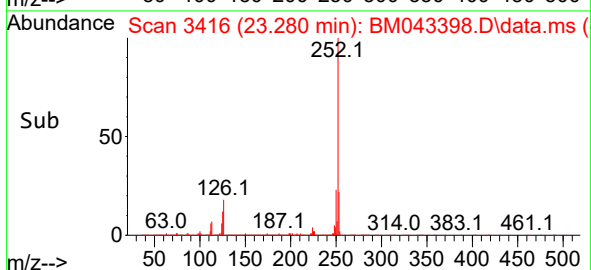
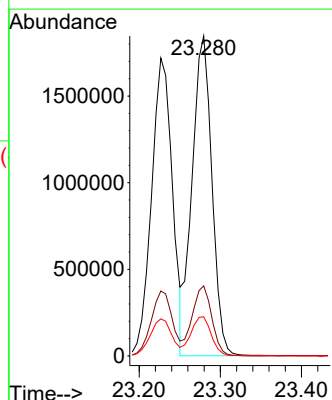
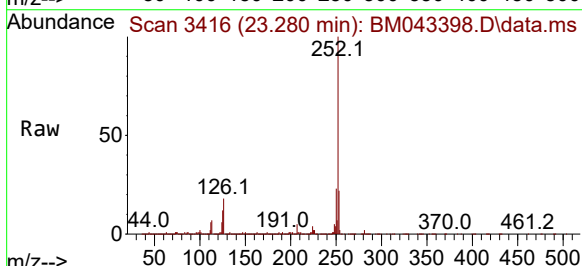
Tgt Ion:252 Resp: 3134858

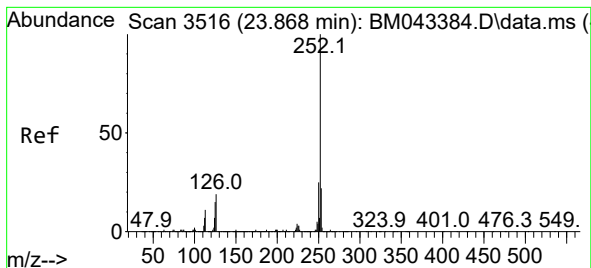
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 12.3 10.2 15.4





#93

Benzo(a)pyrene

Concen: 28.860 ng/ul

RT: 23.862 min Scan# 3

Delta R.T. 0.012 min

Lab File: BM043398.D

Acq: 18 Dec 2023 18:08

Instrument :

BNA_M

ClientSampleId :

SLCS639

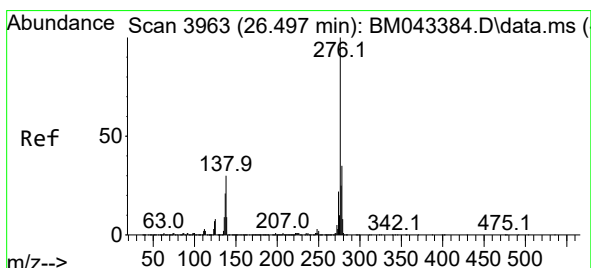
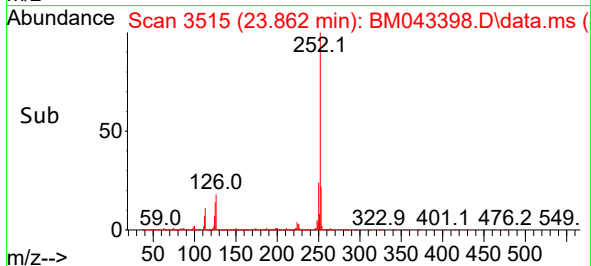
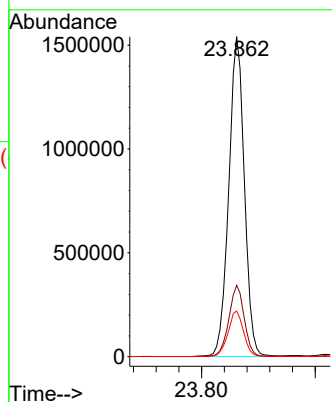
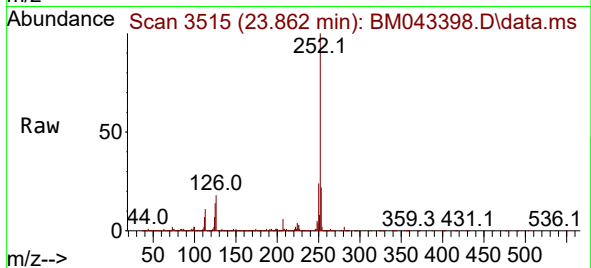
Tgt Ion:252 Resp: 2936831

Ion Ratio Lower Upper

252 100

253 22.3 17.9 26.9

125 14.3 11.4 17.2



#94

Indeno(1,2,3-cd)pyrene

Concen: 30.017 ng/ul

RT: 26.503 min Scan# 3964

Delta R.T. 0.023 min

Lab File: BM043398.D

Acq: 18 Dec 2023 18:08

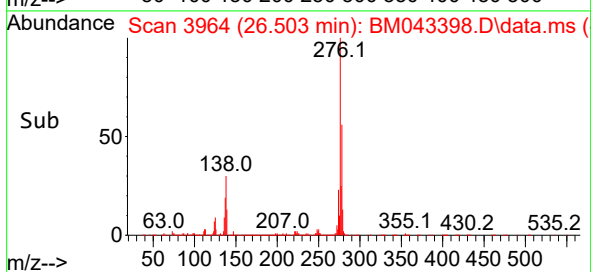
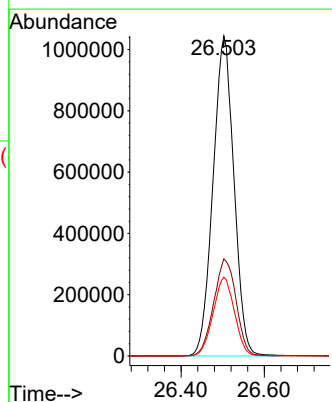
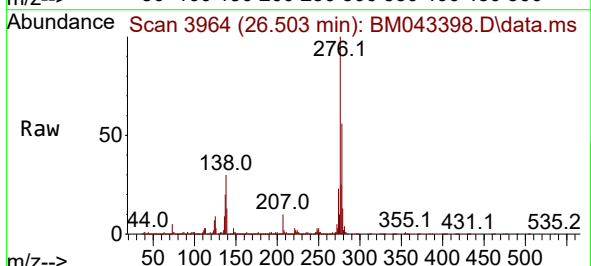
Tgt Ion:276 Resp: 3647151

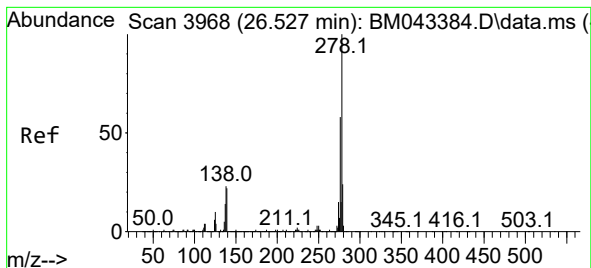
Ion Ratio Lower Upper

276 100

138 30.3 22.6 34.0

277 24.6 19.7 29.5





#95

Dibenzo(a,h)anthracene

Concen: 30.368 ng/ul

RT: 26.526 min Scan# 3968

Delta R.T. 0.023 min

Lab File: BM043398.D

Acq: 18 Dec 2023 18:08

Instrument :

BNA_M

ClientSampleId :

SLCS639

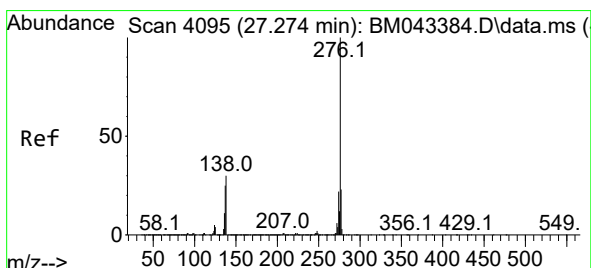
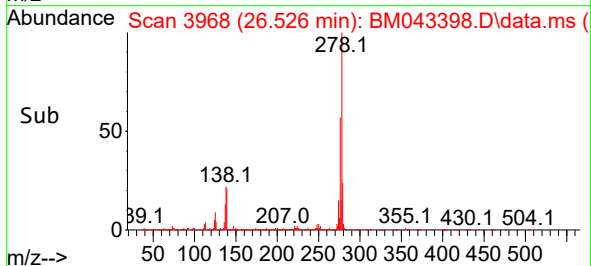
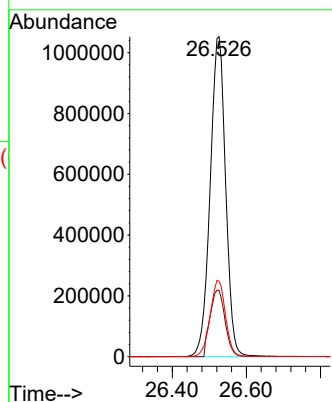
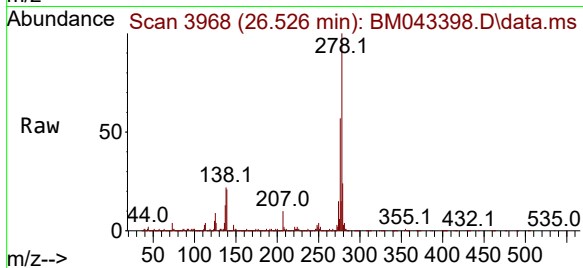
Tgt Ion:278 Resp: 3055403

Ion Ratio Lower Upper

278 100

139 20.7 16.0 24.0

279 23.6 19.4 29.0



#96

Benzo(g,h,i)perylene

Concen: 30.085 ng/ul

RT: 27.279 min Scan# 4096

Delta R.T. 0.029 min

Lab File: BM043398.D

Acq: 18 Dec 2023 18:08

Tgt Ion:276 Resp: 2865509

Ion Ratio Lower Upper

276 100

138 27.4 22.4 33.6

277 23.3 19.1 28.7

