

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM022624\
 Data File : BM044374.D
 Acq On : 27 Feb 2024 19:33
 Operator : MA/JU
 Sample : PB159204BS
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 27 22:29:00 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM022324.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 27 00:07:53 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.940	152	187199	20.000	ng/u1	0.01
20) Naphthalene-d8	10.745	136	820527	20.000	ng/u1	0.01
38) Acenaphthene-d10	14.580	164	471458	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.333	188	980745	20.000	ng/u1	0.01
79) Chrysene-d12	21.527	240	827216	20.000	ng/u1	0.00
88) Perylene-d12	23.944	264	883327	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.363	96	40098	6.758	ng/uL	0.00
4) Pyridine-d5	3.775	84	580440	35.822	ng/u1	0.00
7) Phenol-d5	7.104	99	662012	36.916	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.281	67	412838	35.550	ng/u1	0.00
11) 2-Chlorophenol-d4	7.463	132	524824	38.858	ng/u1	0.00
15) 4-Methylphenol-d8	8.657	113	506060	37.295	ng/u1	0.01
21) Nitrobenzene-d5	9.110	128	256539	38.453	ng/u1	0.01
24) 2-Nitrophenol-d4	9.828	143	281741	41.392	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.363	165	488541	40.689	ng/u1	0.00
31) 4-Chloroaniline-d4	10.892	131	694392	34.435	ng/u1	0.01
46) Dimethylphthalate-d6	14.004	166	1393602	38.327	ng/u1	0.00
49) Acenaphthylene-d8	14.274	160	1678051	40.111	ng/u1	0.00
54) 4-Nitrophenol-d4	14.792	143	280120	38.715	ng/u1	0.02
60) Fluorene-d10	15.574	176	1203401	39.102	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.704	200	221676	36.428	ng/u1	0.01
73) Anthracene-d10	17.433	188	1804134	38.580	ng/u1	0.01
81) Pyrene-d10	19.727	212	2039628	40.984	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.791	264	1842207	40.700	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.399	88	87008	13.913	ng/uL	96
5) Pyridine	3.799	79	610342	36.004	ng/u1	95
6) Benzaldehyde	7.087	77	329164	42.285	ng/u1	98
8) Phenol	7.134	94	707659	37.963	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.375	93	574211	36.802	ng/u1	98
12) 2-Chlorophenol	7.498	128	552230	39.521	ng/u1	97
13) 2-Methylphenol	8.387	108	523520	38.121	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.469	45	757914	35.528	ng/u1	97
16) Acetophenone	8.775	105	837562	38.636	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.763	70	431197	39.707	ng/u1	97
18) 4-Methylphenol	8.722	108	567508	38.793	ng/u1	98
19) Hexachloroethane	9.010	117	228609	38.565	ng/u1	95
22) Nitrobenzene	9.151	77	614571	38.090	ng/u1	100
23) Isophorone	9.681	82	1228502	39.287	ng/u1	99
25) 2-Nitrophenol	9.863	139	309105	40.946	ng/u1	97
26) 2,4-Dimethylphenol	9.922	107	493927	34.266	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.169	93	774361	38.093	ng/u1	99
29) 2,4-Dichlorophenol	10.392	162	496337	40.845	ng/u1	100
30) Naphthalene	10.798	128	1779896	38.141	ng/u1	100
32) 4-Chloroaniline	10.916	127	588885	29.968	ng/u1	99
33) Hexachlorobutadiene	11.069	225	279671	38.202	ng/u1	98
34) Caprolactam	11.704	113	172092	40.969	ng/u1	93
35) 4-Chloro-3-methylphenol	12.039	107	542421	41.898	ng/u1	95
36) 2-Methylnaphthalene	12.404	142	1164923	39.191	ng/u1	99

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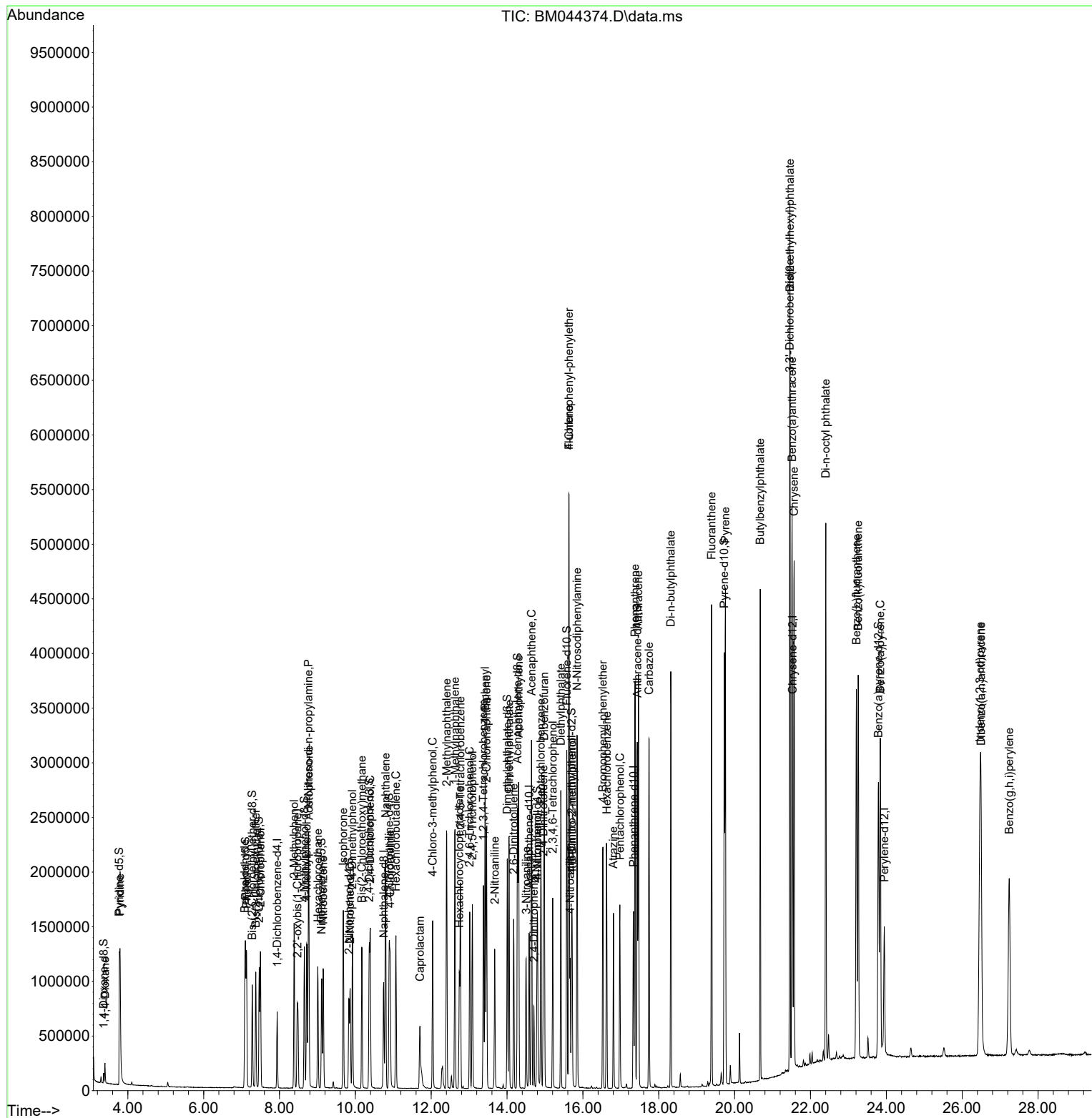
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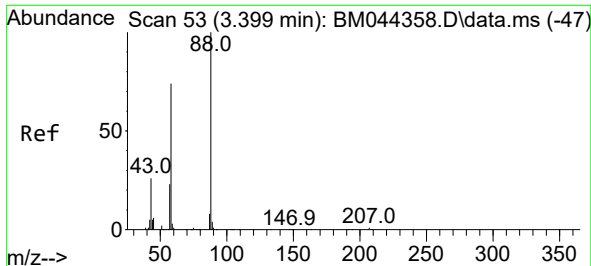
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM022324.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 27 00:07:53 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.627	142	1150039	39.139	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.769	216	549070	39.342	ng/ul	98
40) Hexachlorocyclopentadiene	12.739	237	282404	30.075	ng/ul	100
41) 2,4,6-Trichlorophenol	13.016	196	364830	41.010	ng/ul	99
42) 2,4,5-Trichlorophenol	13.086	196	400652	41.661	ng/ul	99
43) 1,1'-Biphenyl	13.422	154	1482857	38.634	ng/ul	98
44) 2-Chloronaphthalene	13.457	162	1169303	38.908	ng/ul	99
45) 2-Nitroaniline	13.674	65	352663	42.384	ng/ul	93
47) Dimethylphthalate	14.051	163	1460094	39.289	ng/ul	100
48) 2,6-Dinitrotoluene	14.174	165	297175	42.760	ng/ul	98
50) Acenaphthylene	14.304	152	1950346	39.359	ng/ul	99
51) 3-Nitroaniline	14.504	138	319186	43.534	ng/ul	95
52) Acenaphthene	14.645	153	1271582	38.871	ng/ul	100
53) 2,4-Dinitrophenol	14.710	184	152687	35.405	ng/ul	95
55) 4-Nitrophenol	14.804	109	196469	39.527	ng/ul	96
56) Dibenzofuran	14.980	168	1717581	39.112	ng/ul	100
57) 2,4-Dinitrotoluene	14.957	165	431723	43.240	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.204	232	310682	40.142	ng/ul	99
59) Diethylphthalate	15.416	149	1524891	39.863	ng/ul	99
61) Fluorene	15.633	166	1400263	39.700	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.633	204	661885	39.819	ng/ul	98
63) 4-Nitroaniline	15.663	138	339760	47.911	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.716	198	245453	36.872	ng/ul	100
67) N-Nitrosodiphenylamine	15.845	169	1184796	39.864	ng/ul	100
68) 4-Bromophenyl-phenylether	16.527	248	398692	40.915	ng/ul	97
69) Hexachlorobenzene	16.627	284	451195	40.455	ng/ul	96
70) Atrazine	16.804	200	251324	25.814	ng/ul	98
71) Pentachlorophenol	16.974	266	263827	35.895	ng/ul	98
72) Phenanthrene	17.374	178	2195747	39.027	ng/ul	100
74) Anthracene	17.462	178	2194937	38.748	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.374	216	544899	39.691	ng/ul	97
76) Pentachlorobenzene	14.892	250	519438	39.634	ng/ul	97
77) Carbazole	17.745	167	2079193	39.035	ng/ul	100
78) Di-n-butylphthalate	18.315	149	2854948	42.333	ng/ul	100
80) Fluoranthene	19.392	202	2478030	41.518	ng/ul	99
82) Pyrene	19.756	202	2571437	41.081	ng/ul	99
83) Butylbenzylphthalate	20.674	149	1284703	45.695	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.450	252	761088	41.133	ng/ul	99
85) Benzo(a)anthracene	21.515	228	2483769	40.259	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.456	149	1976033	45.907	ng/ul	100
87) Chrysene	21.568	228	2305184	39.749	ng/ul	99
89) Di-n-octyl phthalate	22.403	149	3419442	45.182	ng/ul	100
90) Benzo(b)fluoranthene	23.209	252	2369663	41.846	ng/ul	99
91) Benzo(k)fluoranthene	23.256	252	2388867	41.072	ng/ul	99
93) Benzo(a)pyrene	23.839	252	2232173	40.884	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.468	276	2663868	40.346	ng/ul	99
95) Dibenzo(a,h)anthracene	26.497	278	2242189	40.638	ng/ul	99
96) Benzo(g,h,i)perylene	27.238	276	2147910	40.217	ng/ul	98

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

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Response via : Initial Calibration

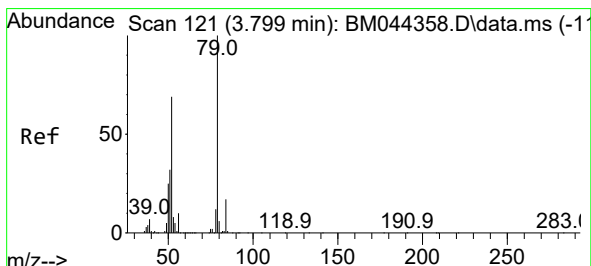
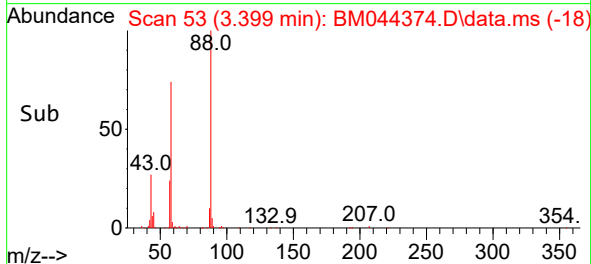
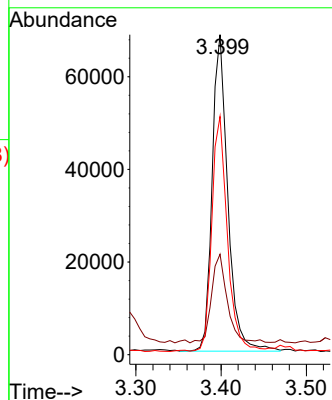
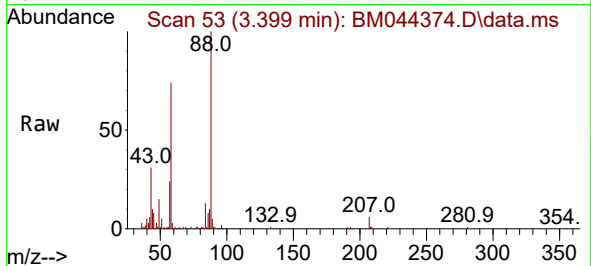




#2
1,4-Dioxane
Concen: 13.913 ng/uL
RT: 3.399 min Scan# 53
Delta R.T. 0.006 min
Lab File: BM044374.D
Acq: 27 Feb 2024 19:33

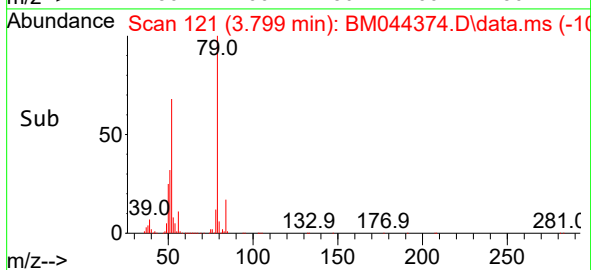
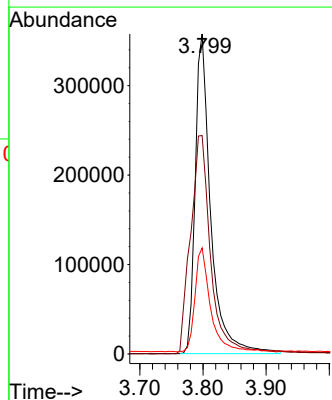
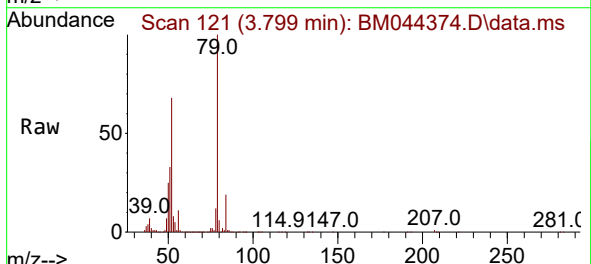
Instrument :
BNA_M
ClientSampleId :

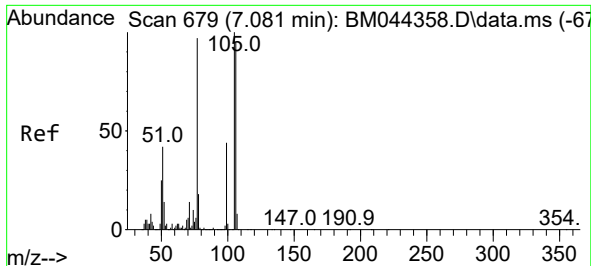
Tgt Ion: 88 Resp: 87008
Ion Ratio Lower Upper
88 100
43 31.4 21.2 31.8
58 74.5 58.3 87.5



#5
Pyridine
Concen: 36.004 ng/uL
RT: 3.799 min Scan# 121
Delta R.T. 0.006 min
Lab File: BM044374.D
Acq: 27 Feb 2024 19:33

Tgt Ion: 79 Resp: 610342
Ion Ratio Lower Upper
79 100
52 68.2 58.9 88.3
51 33.2 27.8 41.8

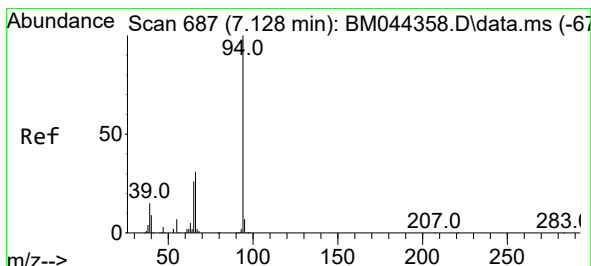
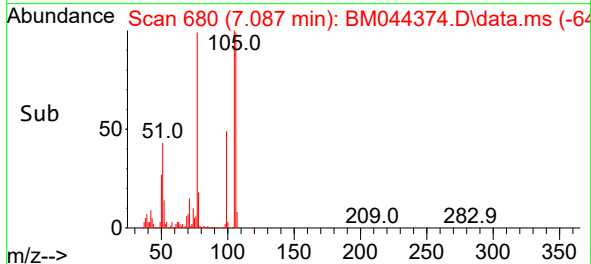
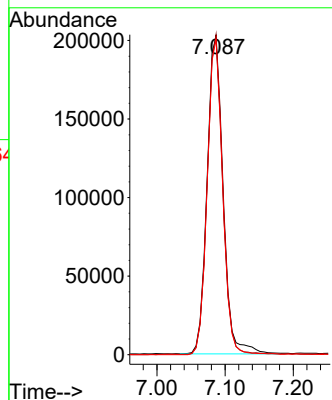
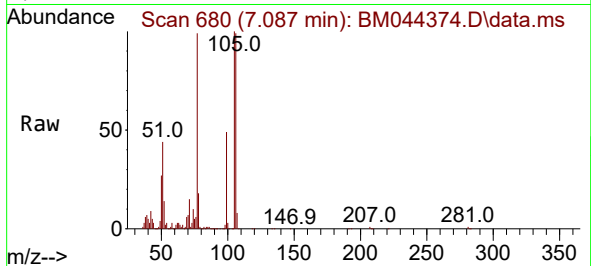




#6
Benzaldehyde
Concen: 42.285 ng/ul
RT: 7.087 min Scan# 679
Delta R.T. 0.012 min
Lab File: BM044374.D
Acq: 27 Feb 2024 19:33

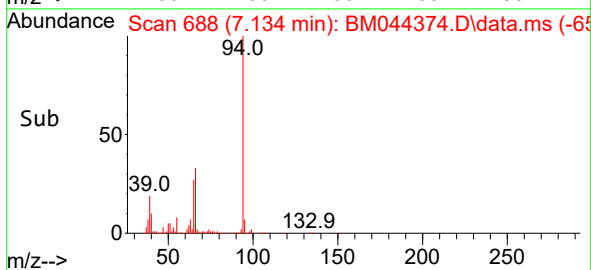
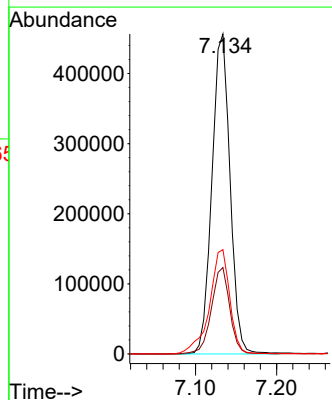
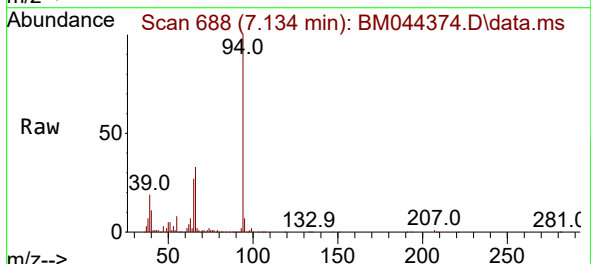
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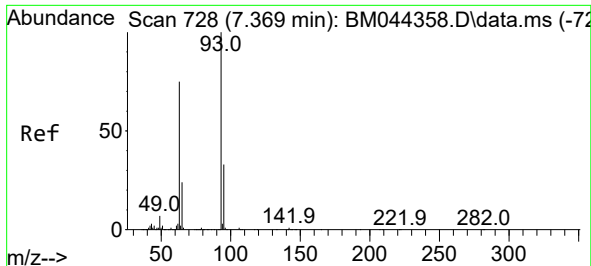
Tgt Ion: 77 Resp: 329164
Ion Ratio Lower Upper
77 100
105 100.7 79.0 118.6
106 99.3 77.4 116.2



#8
Phenol
Concen: 37.963 ng/ul
RT: 7.134 min Scan# 688
Delta R.T. 0.012 min
Lab File: BM044374.D
Acq: 27 Feb 2024 19:33

Tgt Ion: 94 Resp: 707659
Ion Ratio Lower Upper
94 100
65 27.0 20.6 31.0
66 32.6 25.4 38.0

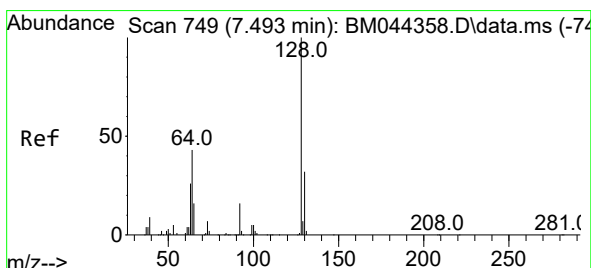
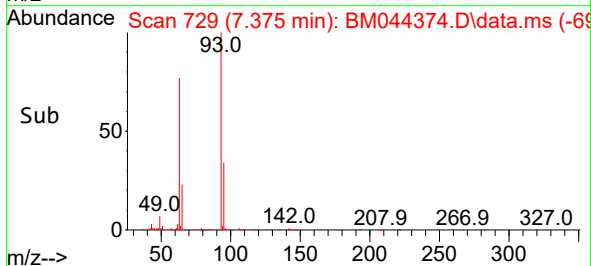
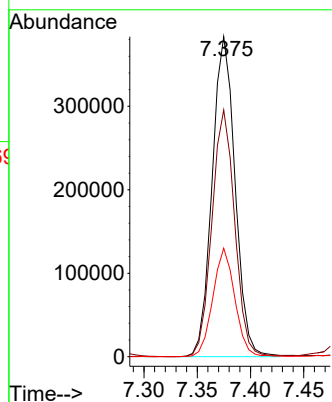
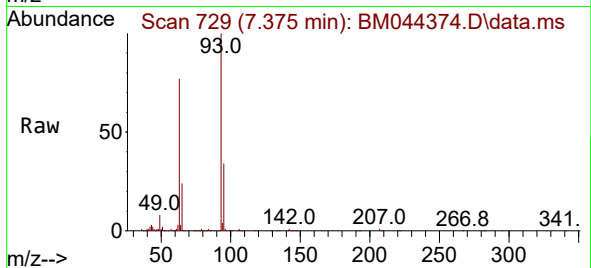




#10
Bis(2-Chloroethyl)ether
Concen: 36.802 ng/ul
RT: 7.375 min Scan# 70
Delta R.T. 0.012 min
Lab File: BM044374.D
Acq: 27 Feb 2024 19:33

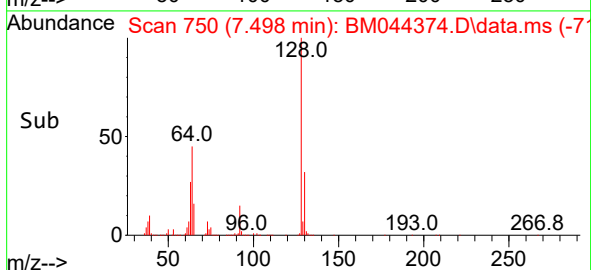
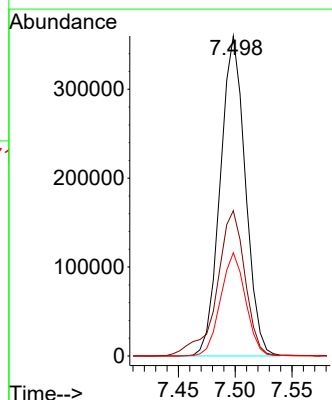
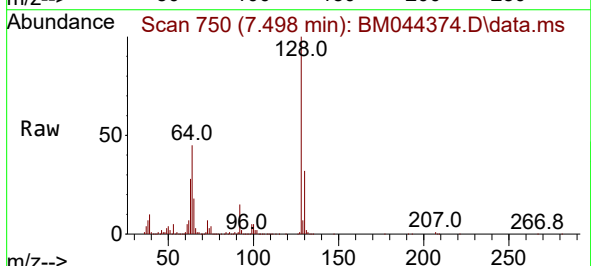
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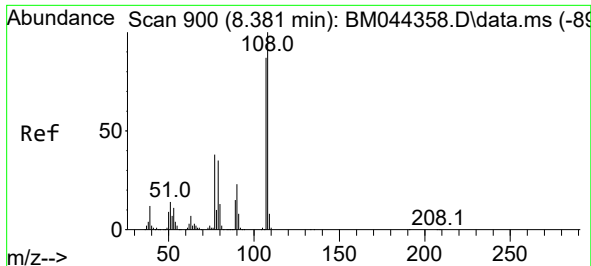
Tgt Ion: 93 Resp: 574211
Ion Ratio Lower Upper
93 100
63 77.1 61.0 91.6
95 33.9 25.1 37.7



#12
2-Chlorophenol
Concen: 39.521 ng/ul
RT: 7.498 min Scan# 750
Delta R.T. 0.012 min
Lab File: BM044374.D
Acq: 27 Feb 2024 19:33

Tgt Ion:128 Resp: 552230
Ion Ratio Lower Upper
128 100
64 45.4 39.0 58.6
130 32.3 25.4 38.0





#13

2-Methylphenol

Concen: 38.121 ng/ul

RT: 8.387 min Scan# 900

Delta R.T. 0.012 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

Instrument :

BNA_M

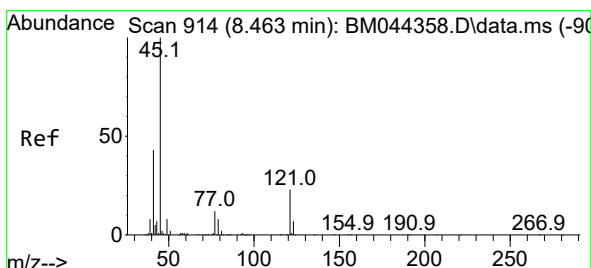
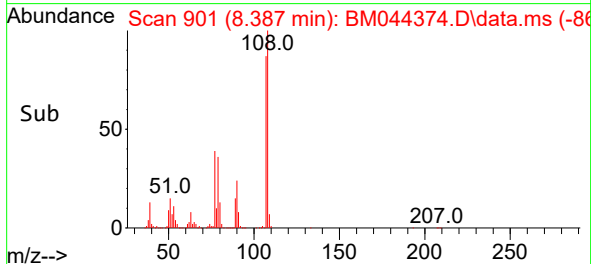
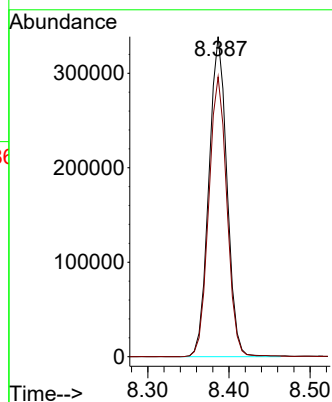
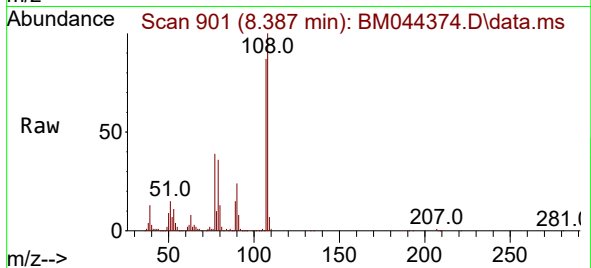
ClientSampleId :

Tgt Ion:108 Resp: 523520

Ion Ratio Lower Upper

108 100

107 87.4 70.6 105.8



#14

2,2'-oxybis(1-Chloropropane)

Concen: 35.528 ng/ul

RT: 8.469 min Scan# 915

Delta R.T. 0.006 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

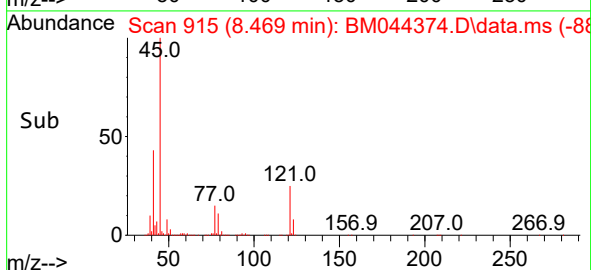
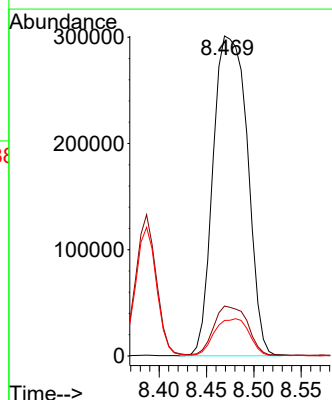
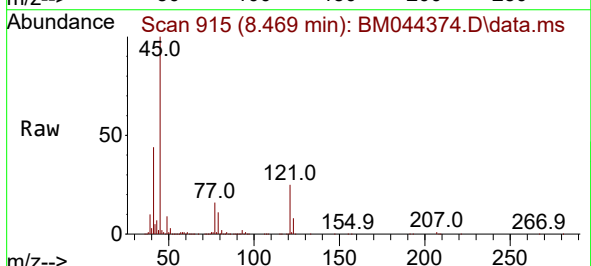
Tgt Ion: 45 Resp: 757914

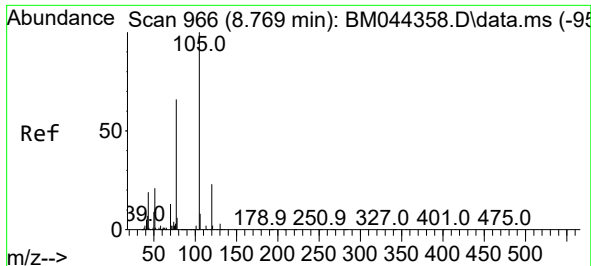
Ion Ratio Lower Upper

45 100

77 15.6 11.3 16.9

79 11.1 8.5 12.7

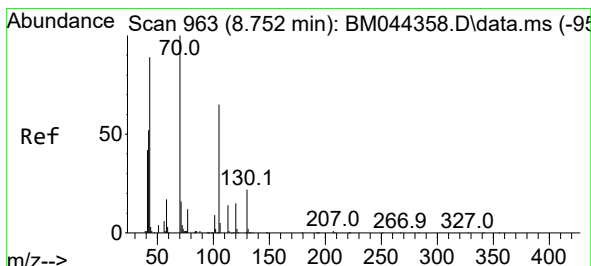
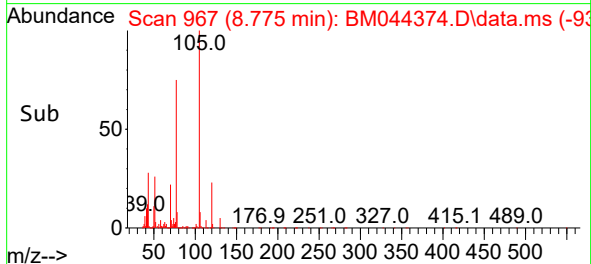
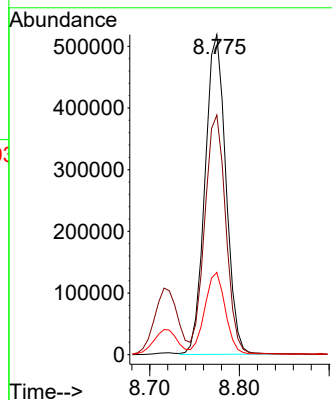
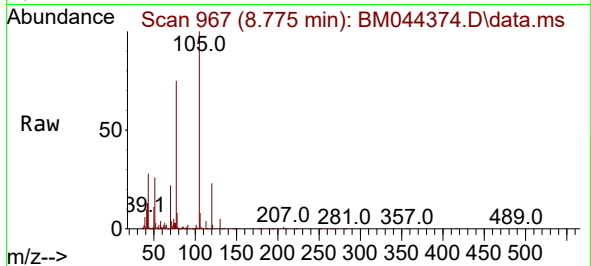




#16
Acetophenone
Concen: 38.636 ng/ul
RT: 8.775 min Scan# 966
Delta R.T. 0.012 min
Lab File: BM044374.D
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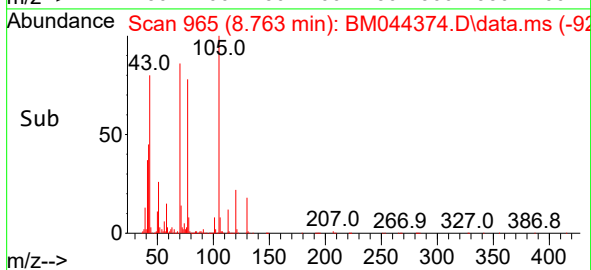
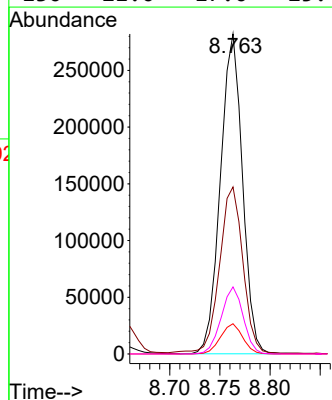
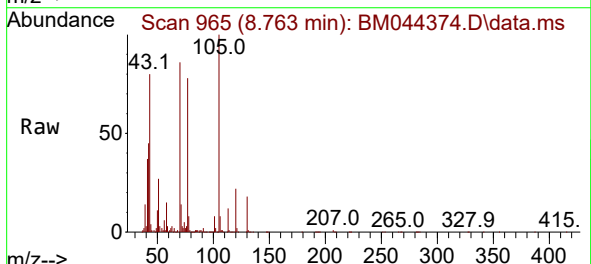
Instrument :
BNA_M
ClientSampleId :

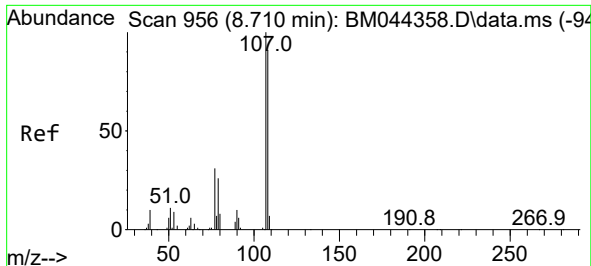
Tgt Ion:105 Resp: 837562
Ion Ratio Lower Upper
105 100
77 74.9 61.2 91.8
51 25.7 21.1 31.7



#17
N-Nitroso-di-n-propylamine
Concen: 39.707 ng/ul
RT: 8.763 min Scan# 965
Delta R.T. 0.012 min
Lab File: BM044374.D
Acq: 27 Feb 2024 19:33

Tgt Ion: 70 Resp: 431197
Ion Ratio Lower Upper
70 100
42 52.2 44.4 66.6
101 9.5 7.5 11.3
130 21.0 17.0 25.4

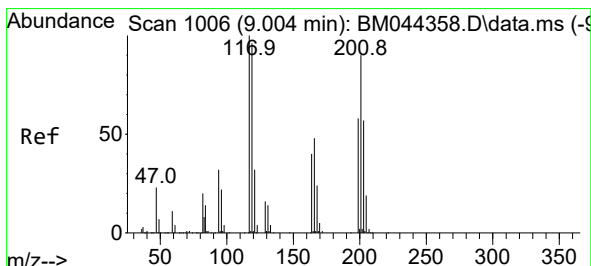
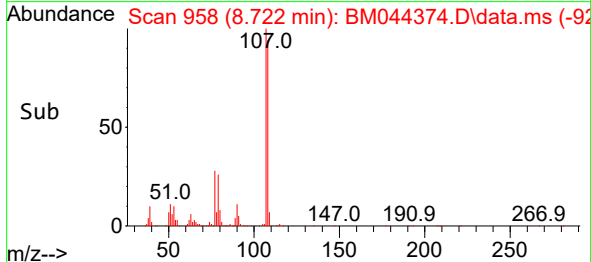
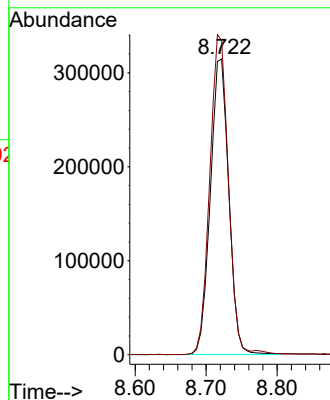
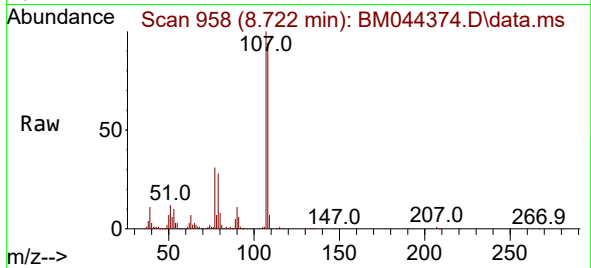




#18
4-Methylphenol
Concen: 38.793 ng/ul
RT: 8.722 min Scan# 91
Delta R.T. 0.018 min
Lab File: BM044374.D
Acq: 27 Feb 2024 19:33

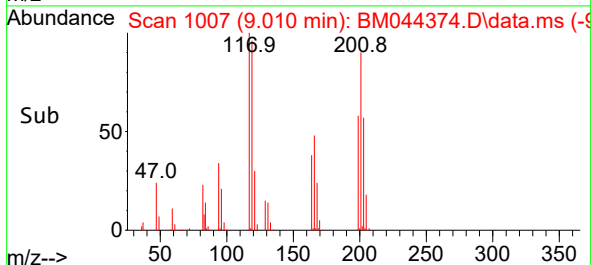
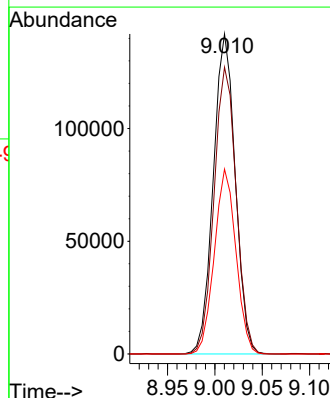
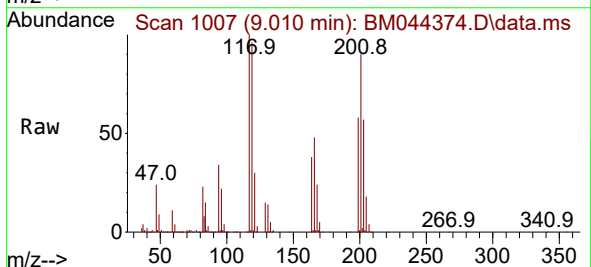
Instrument :
BNA_M
ClientSampleId :

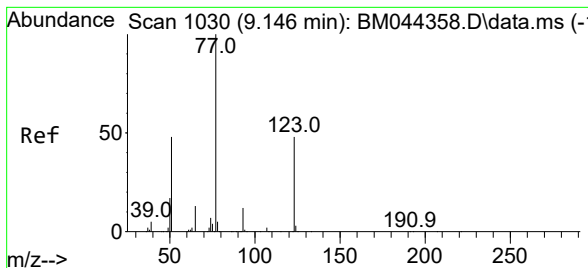
Tgt Ion:108 Resp: 567508
Ion Ratio Lower Upper
108 100
107 106.2 86.8 130.2



#19
Hexachloroethane
Concen: 38.565 ng/ul
RT: 9.010 min Scan# 1007
Delta R.T. 0.012 min
Lab File: BM044374.D
Acq: 27 Feb 2024 19:33

Tgt Ion:117 Resp: 228609
Ion Ratio Lower Upper
117 100
201 89.6 69.8 104.6
199 57.8 40.8 61.2

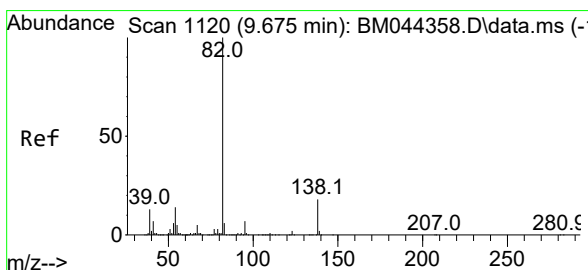
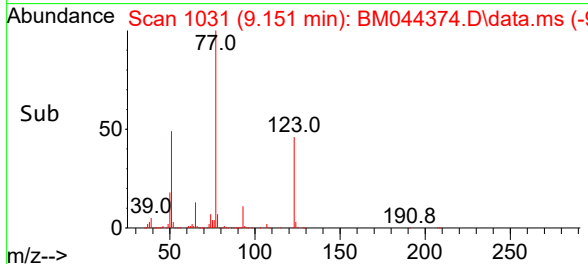
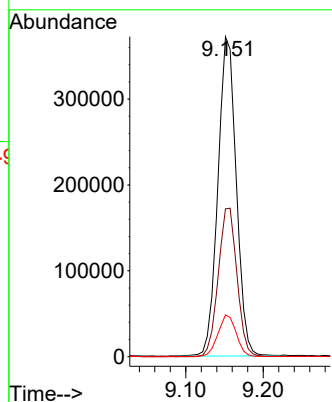
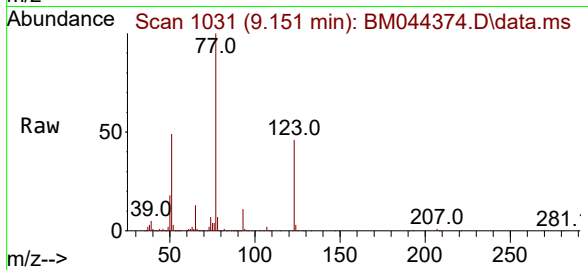




#22
Nitrobenzene
Concen: 38.090 ng/ul
RT: 9.151 min Scan# 1030
Delta R.T. 0.006 min
Lab File: BM044374.D
Acq: 27 Feb 2024 19:33

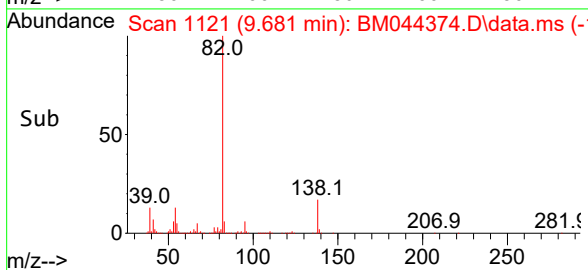
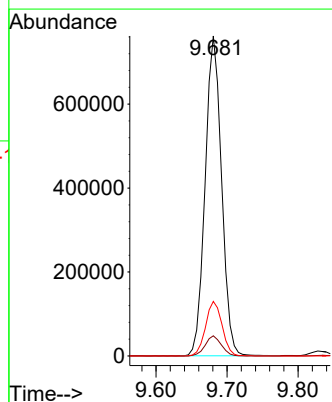
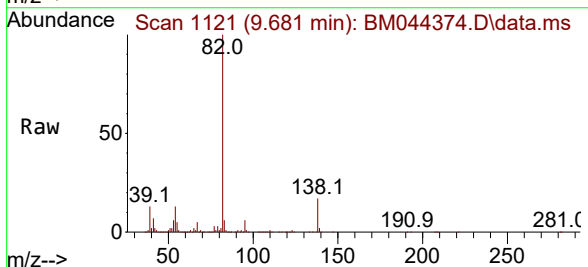
Instrument :
BNA_M
ClientSampleId :

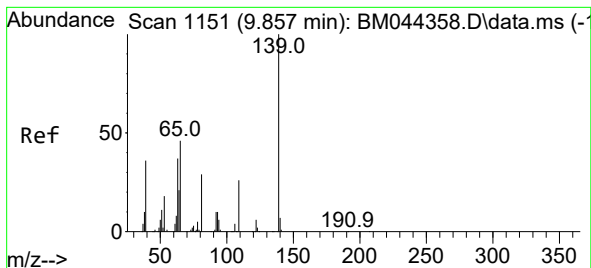
Tgt Ion: 77 Resp: 614571
Ion Ratio Lower Upper
77 100
123 46.2 36.9 55.3
65 13.1 10.2 15.2



#23
Isophorone
Concen: 39.287 ng/ul
RT: 9.681 min Scan# 1121
Delta R.T. 0.012 min
Lab File: BM044374.D
Acq: 27 Feb 2024 19:33

Tgt Ion: 82 Resp: 1228502
Ion Ratio Lower Upper
82 100
95 6.3 4.6 7.0
138 17.0 13.5 20.3

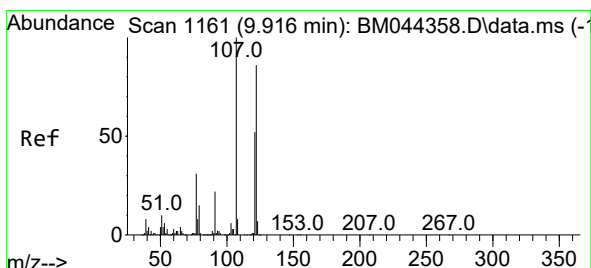
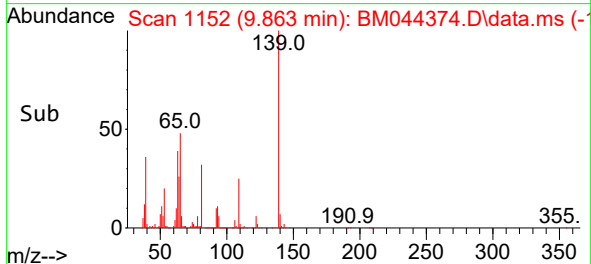
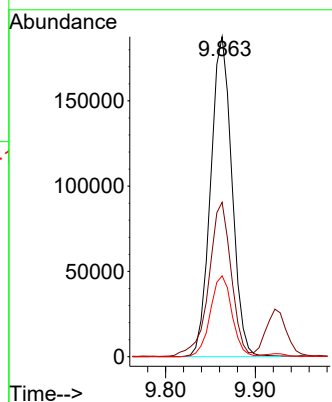
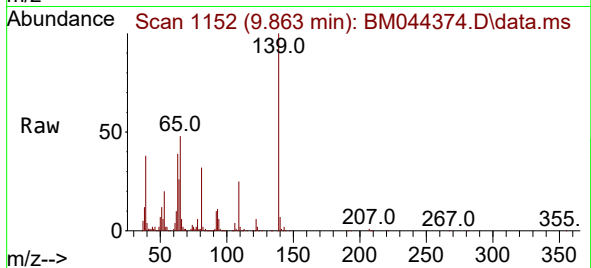




#25
2-Nitrophenol
Concen: 40.946 ng/ul
RT: 9.863 min Scan# 1152
Delta R.T. 0.012 min
Lab File: BM044374.D
Acq: 27 Feb 2024 19:33

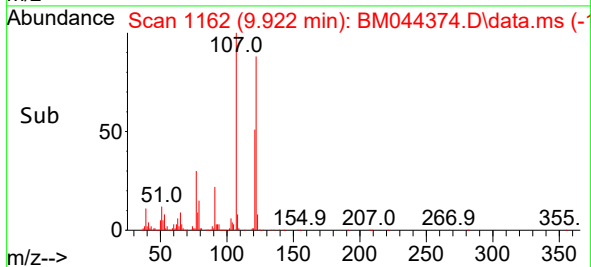
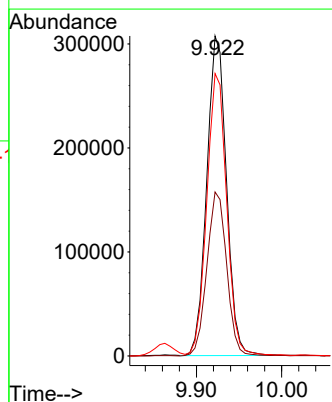
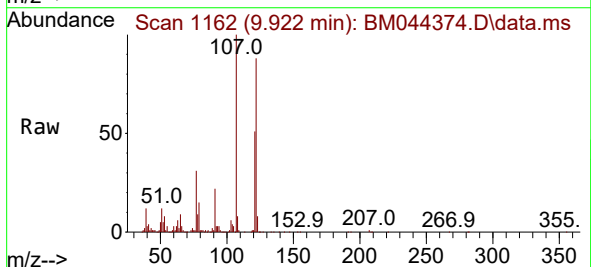
Instrument :
BNA_M
ClientSampleId :

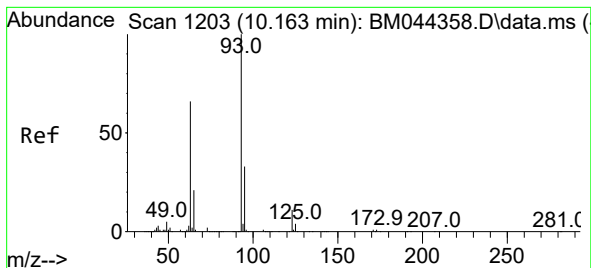
Tgt Ion:139 Resp: 309105
Ion Ratio Lower Upper
139 100
65 48.2 41.0 61.4
109 25.2 20.5 30.7



#26
2,4-Dimethylphenol
Concen: 34.266 ng/ul
RT: 9.922 min Scan# 1162
Delta R.T. 0.006 min
Lab File: BM044374.D
Acq: 27 Feb 2024 19:33

Tgt Ion:107 Resp: 493927
Ion Ratio Lower Upper
107 100
121 51.2 41.1 61.7
122 88.2 72.3 108.5





#27

Bis(2-Chloroethoxy)methane

Concen: 38.093 ng/ul

RT: 10.169 min Scan# 1203

Delta R.T. 0.006 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

Instrument :

BNA_M

ClientSampleId :

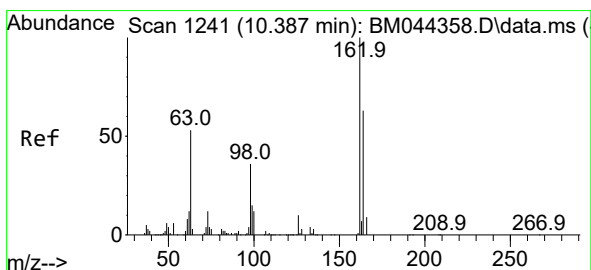
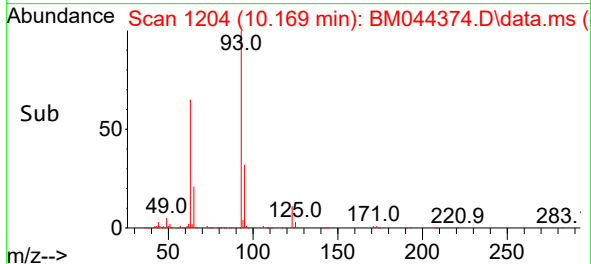
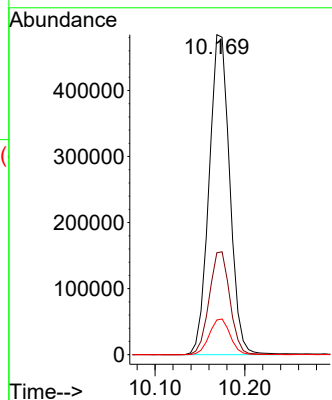
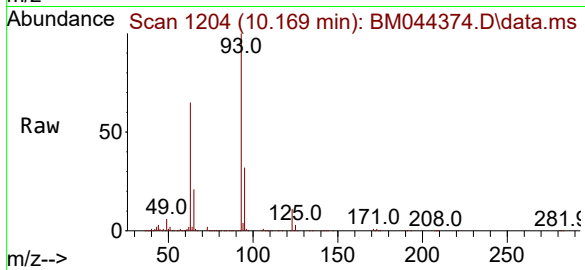
Tgt Ion: 93 Resp: 774361

Ion Ratio Lower Upper

93 100

95 31.8 26.0 39.0

123 10.9 9.0 13.6



#29

2,4-Dichlorophenol

Concen: 40.845 ng/ul

RT: 10.392 min Scan# 1242

Delta R.T. 0.012 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

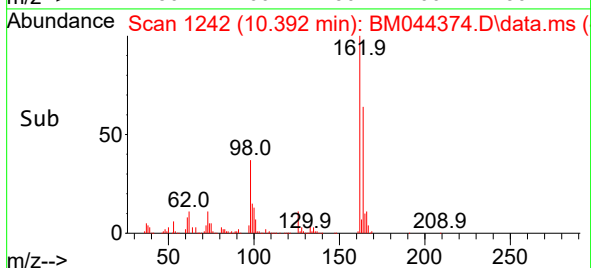
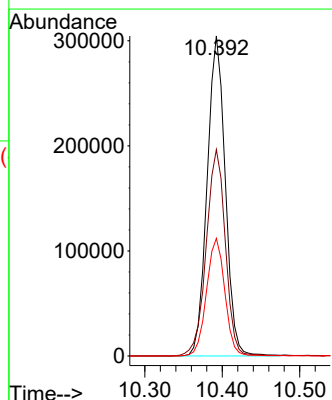
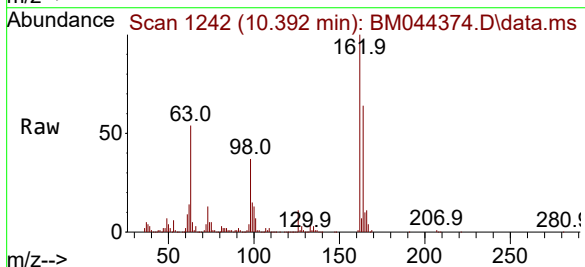
Tgt Ion:162 Resp: 496337

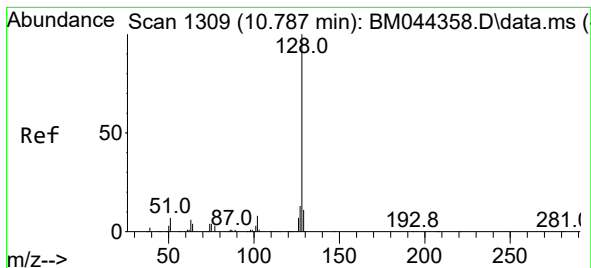
Ion Ratio Lower Upper

162 100

164 64.5 51.8 77.8

98 36.8 29.6 44.4

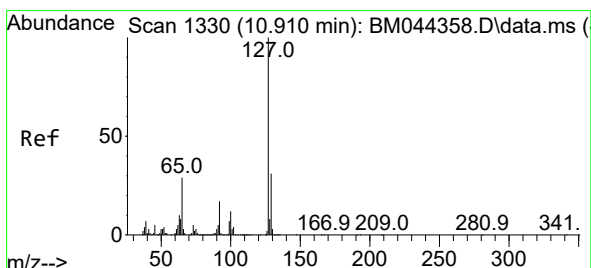
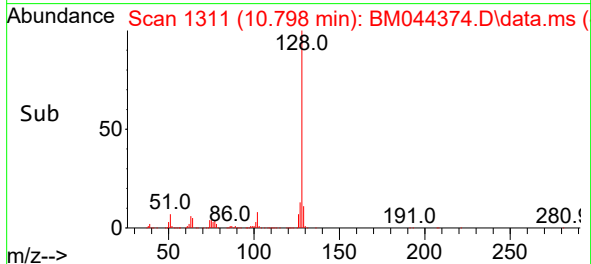
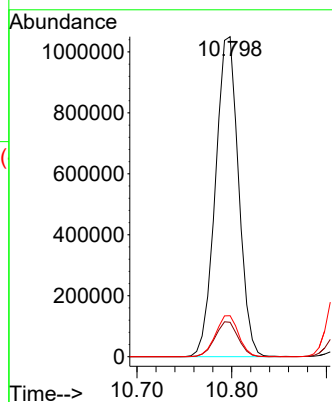
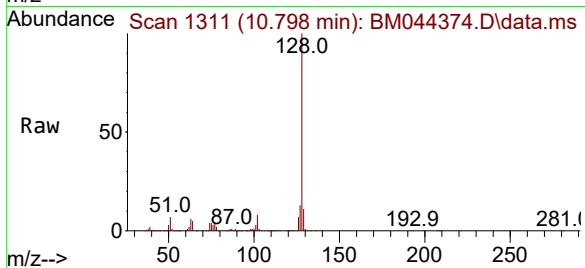




#30
Naphthalene
Concen: 38.141 ng/ul
RT: 10.798 min Scan# 1311
Delta R.T. 0.012 min
Lab File: BM044374.D
Acq: 27 Feb 2024 19:33

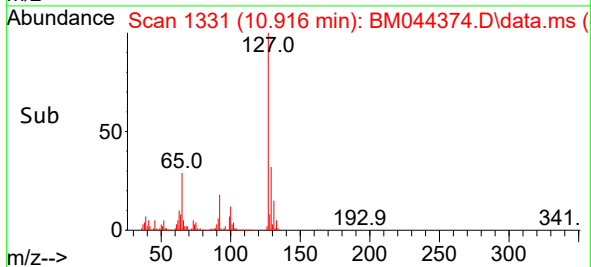
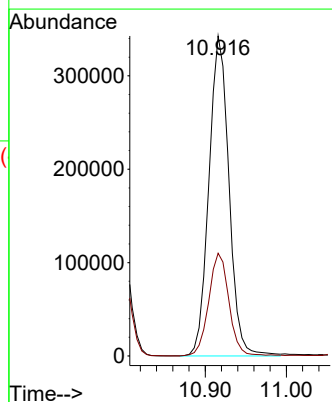
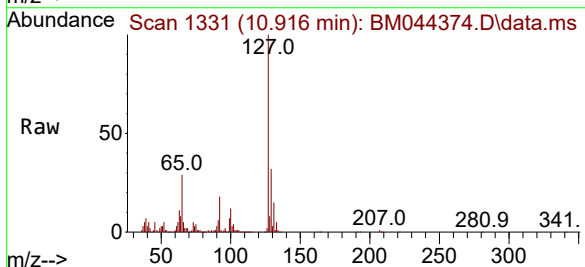
Instrument :
BNA_M
ClientSampleId :

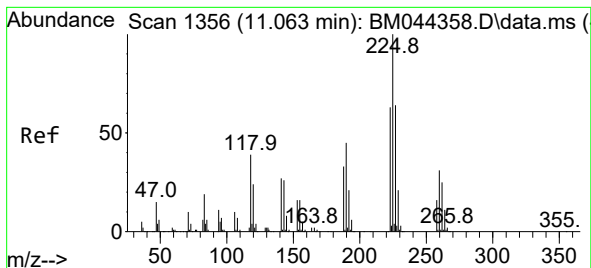
Tgt Ion:128 Resp: 1779896
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 12.8 10.2 15.2



#32
4-Chloroaniline
Concen: 29.968 ng/ul
RT: 10.916 min Scan# 1331
Delta R.T. 0.012 min
Lab File: BM044374.D
Acq: 27 Feb 2024 19:33

Tgt Ion:127 Resp: 588885
Ion Ratio Lower Upper
127 100
129 32.1 25.3 37.9





#33

Hexachlorobutadiene

Concen: 38.202 ng/ul

RT: 11.069 min Scan# 1

Delta R.T. 0.012 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

Instrument :

BNA_M

ClientSampleId :

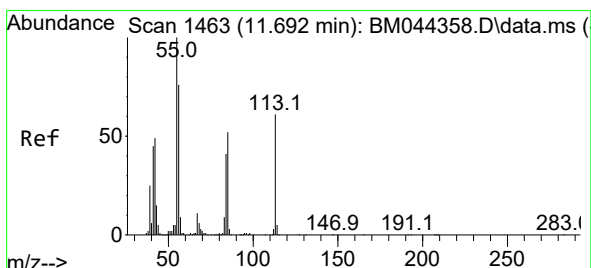
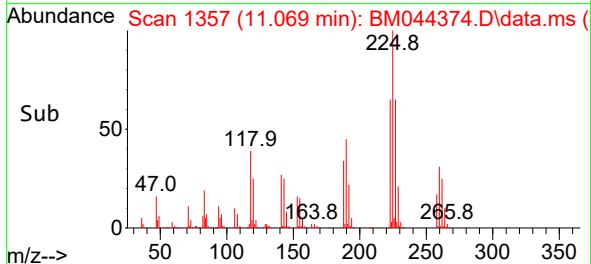
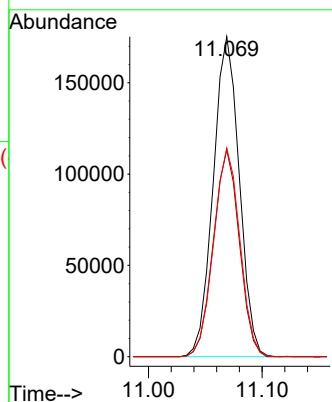
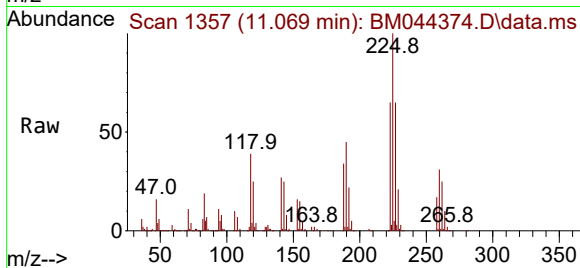
Tgt Ion:225 Resp: 279671

Ion Ratio Lower Upper

225 100

223 64.7 49.7 74.5

227 65.2 52.2 78.2



#34

Caprolactam

Concen: 40.969 ng/ul

RT: 11.704 min Scan# 1465

Delta R.T. 0.018 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

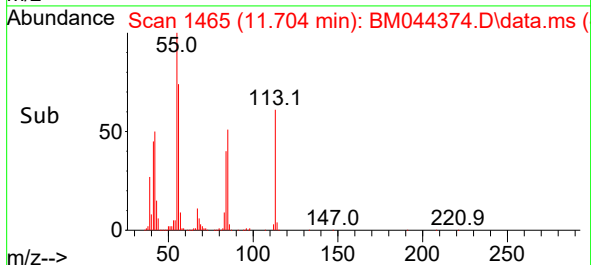
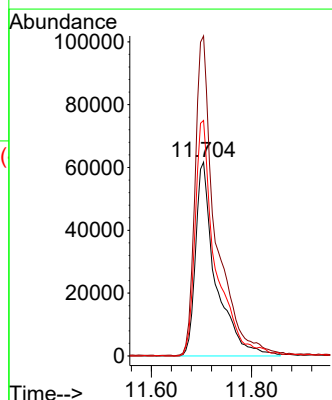
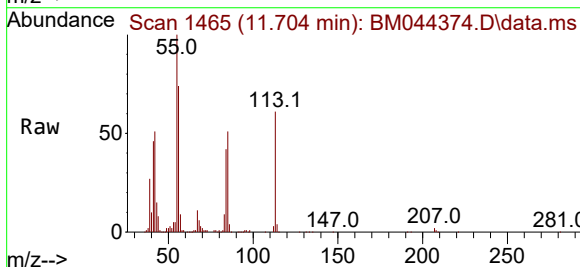
Tgt Ion:113 Resp: 172092

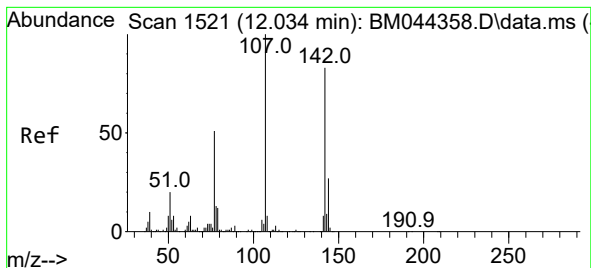
Ion Ratio Lower Upper

113 100

55 165.2 140.7 211.1

56 121.6 102.4 153.6

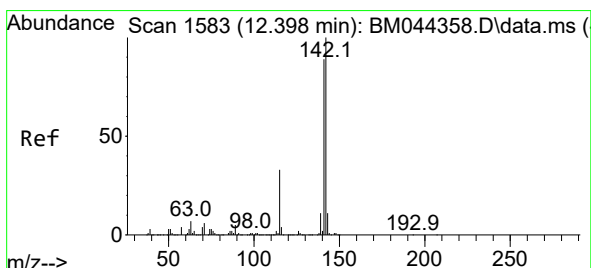
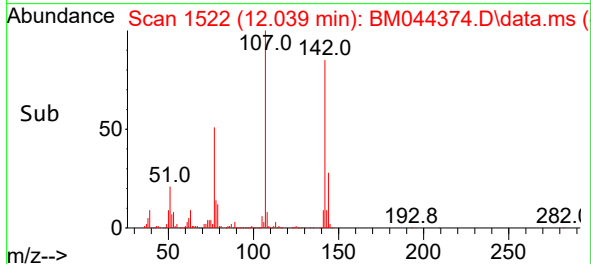
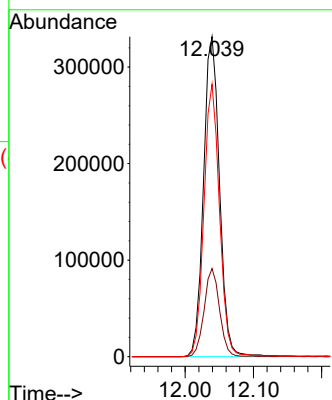
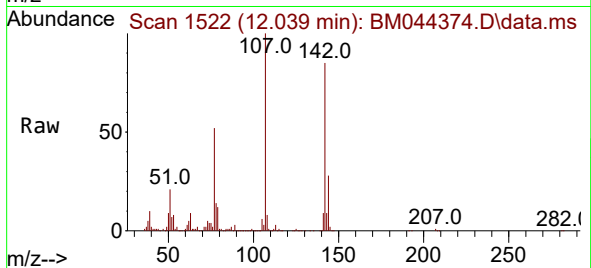




#35
4-Chloro-3-methylphenol
Concen: 41.898 ng/ul
RT: 12.039 min Scan# 1521
Delta R.T. 0.012 min
Lab File: BM044374.D
Acq: 27 Feb 2024 19:33

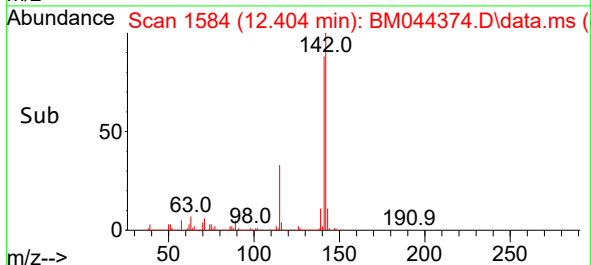
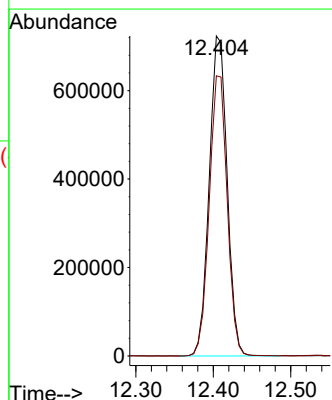
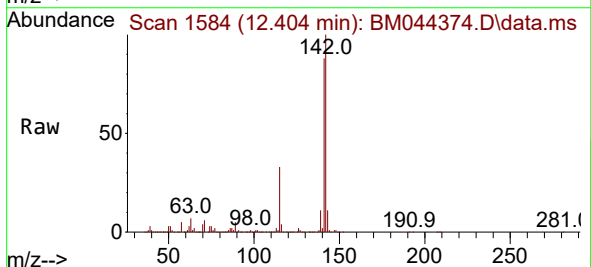
Instrument :
BNA_M
ClientSampleId :

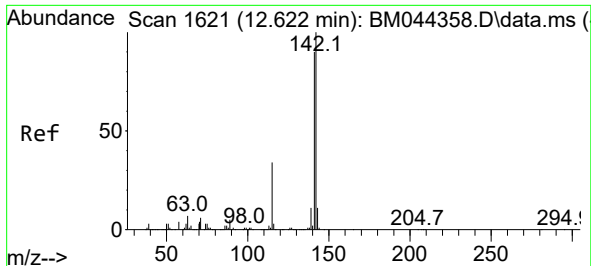
Tgt Ion:107 Resp: 542421
Ion Ratio Lower Upper
107 100
144 27.5 20.6 30.8
142 85.2 64.3 96.5



#36
2-Methylnaphthalene
Concen: 39.191 ng/ul
RT: 12.404 min Scan# 1584
Delta R.T. 0.006 min
Lab File: BM044374.D
Acq: 27 Feb 2024 19:33

Tgt Ion:142 Resp: 1164923
Ion Ratio Lower Upper
142 100
141 87.5 70.5 105.7





#37

1-Methylnaphthalene

Concen: 39.139 ng/ul

RT: 12.627 min Scan# 1

Delta R.T. 0.012 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

Instrument :

BNA_M

ClientSampleId :

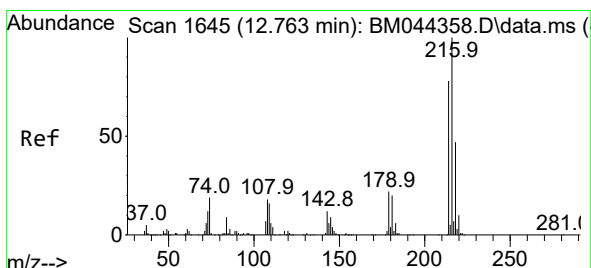
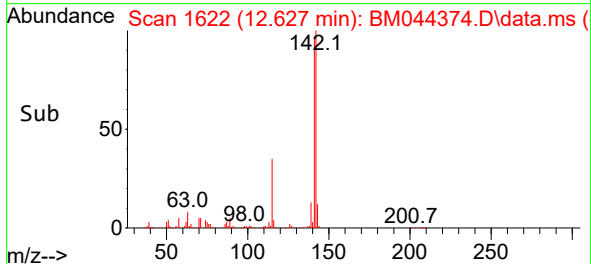
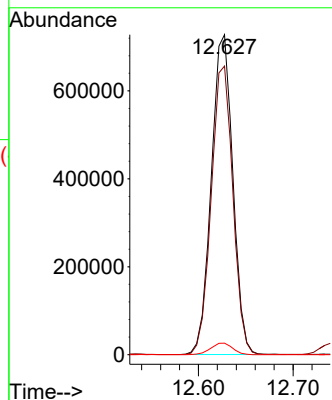
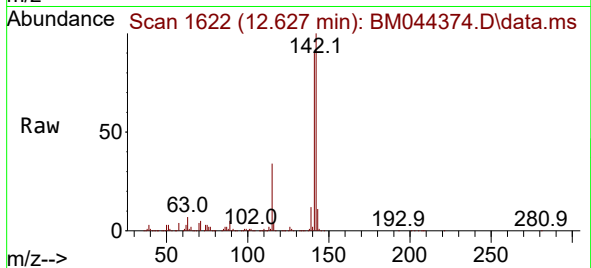
Tgt Ion:142 Resp: 1150039

Ion Ratio Lower Upper

142 100

141 90.2 73.0 109.4

116 3.6 2.7 4.1



#39

1,2,4,5-Tetrachlorobenzene

Concen: 39.342 ng/ul

RT: 12.769 min Scan# 1646

Delta R.T. 0.012 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

Tgt Ion:216 Resp: 549070

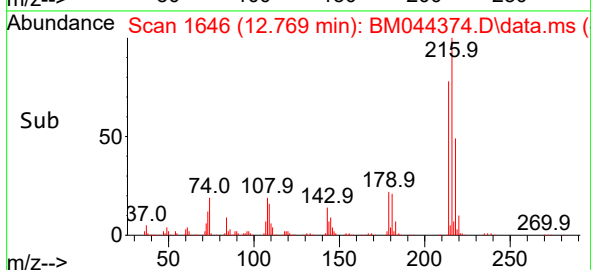
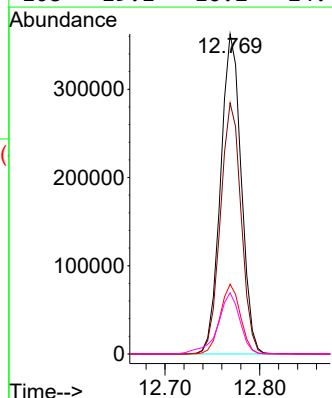
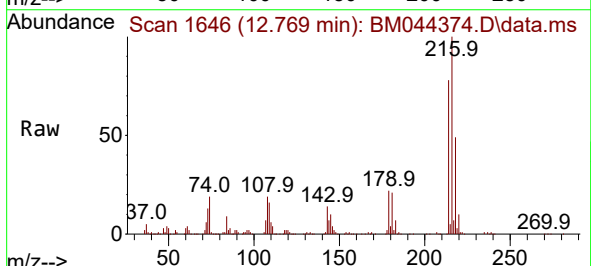
Ion Ratio Lower Upper

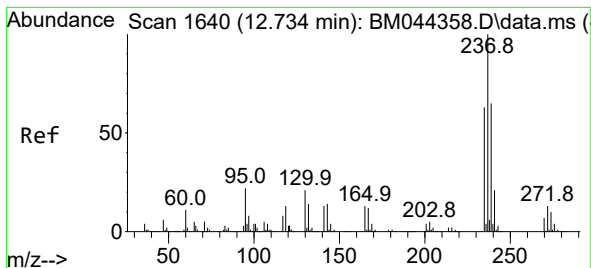
216 100

214 78.5 63.9 95.9

179 21.8 17.5 26.3

108 19.1 16.2 24.4





#40

Hexachlorocyclopentadiene

Concen: 30.075 ng/ul

RT: 12.739 min Scan# 1

Delta R.T. 0.006 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

Instrument :

BNA_M

ClientSampleId :

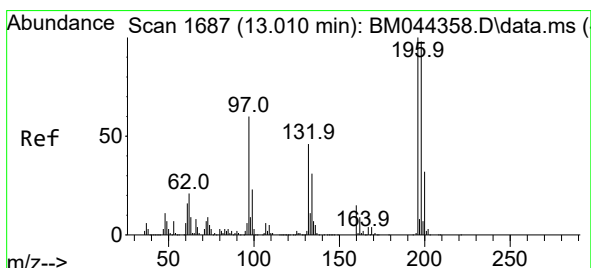
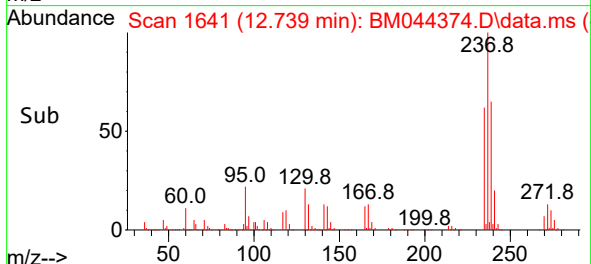
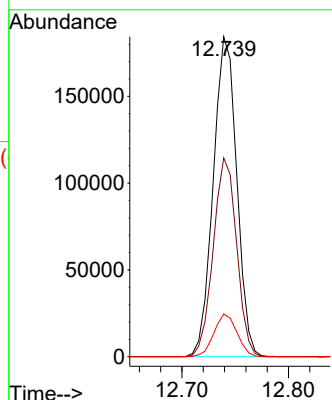
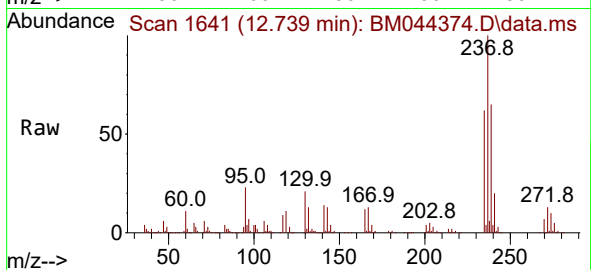
Tgt Ion:237 Resp: 282404

Ion Ratio Lower Upper

237 100

235 62.1 49.4 74.2

272 13.4 10.6 16.0



#41

2,4,6-Trichlorophenol

Concen: 41.010 ng/ul

RT: 13.016 min Scan# 1688

Delta R.T. 0.012 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

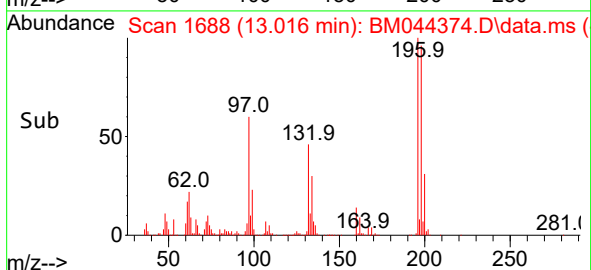
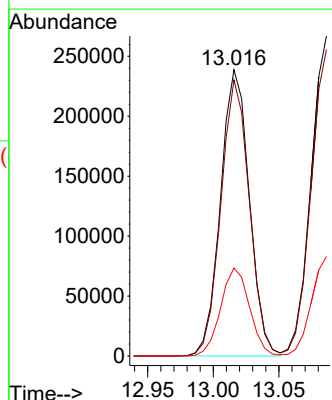
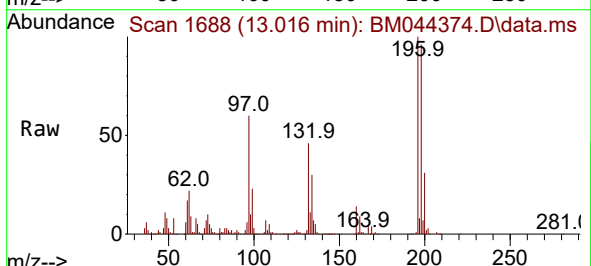
Tgt Ion:196 Resp: 364830

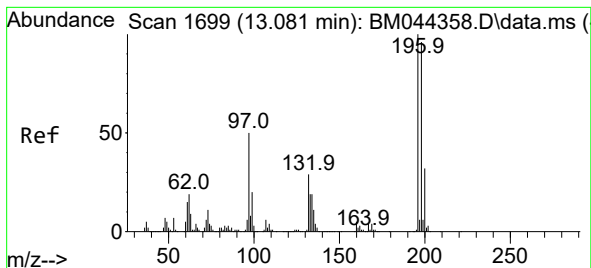
Ion Ratio Lower Upper

196 100

198 96.4 76.1 114.1

200 30.7 25.1 37.7





#42

2,4,5-Trichlorophenol

Concen: 41.661 ng/ul

RT: 13.086 min Scan# 1

Delta R.T. 0.012 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

Instrument :

BNA_M

ClientSampleId :

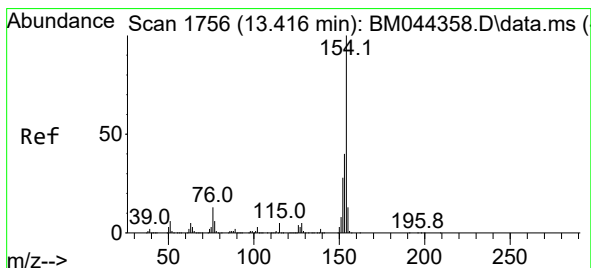
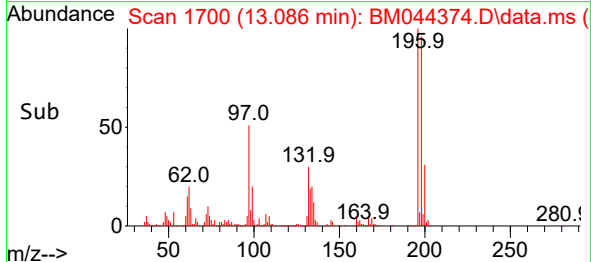
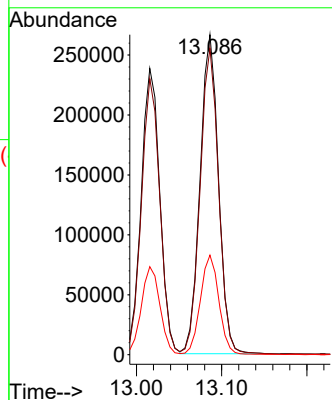
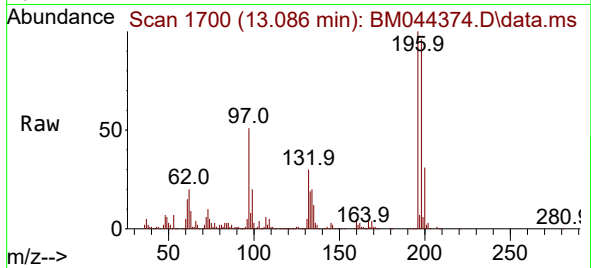
Tgt Ion:196 Resp: 400652

Ion Ratio Lower Upper

196 100

198 95.8 77.4 116.2

200 31.1 25.6 38.4



#43

1,1'-Biphenyl

Concen: 38.634 ng/ul

RT: 13.422 min Scan# 1757

Delta R.T. 0.012 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

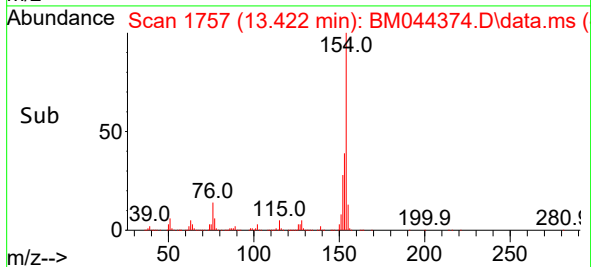
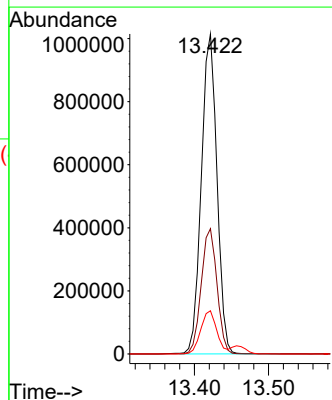
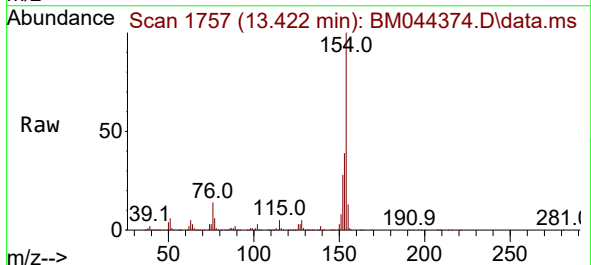
Tgt Ion:154 Resp: 1482857

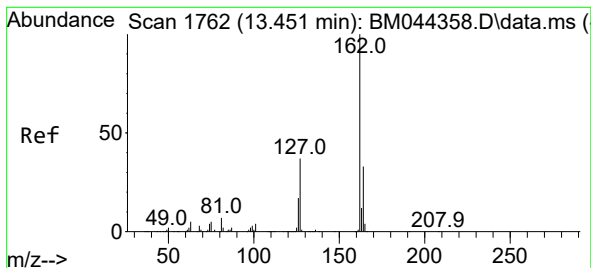
Ion Ratio Lower Upper

154 100

153 39.1 32.4 48.6

76 13.5 11.6 17.4





#44

2-Chloronaphthalene

Concen: 38.908 ng/ul

RT: 13.457 min Scan# 1

Delta R.T. 0.006 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

Instrument :

BNA_M

ClientSampleId :

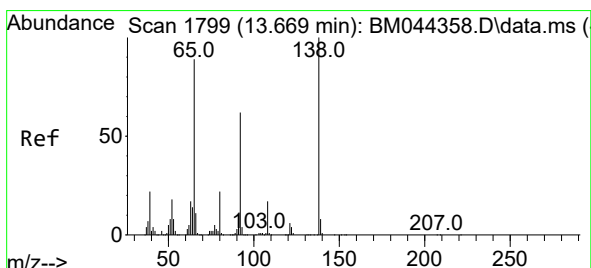
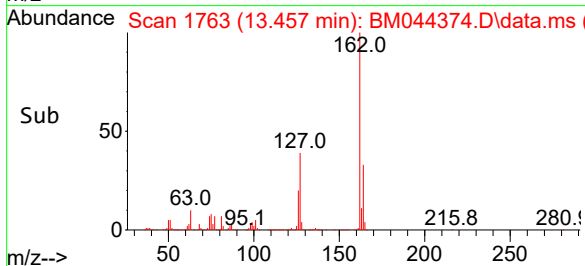
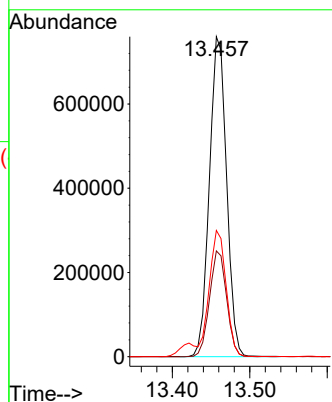
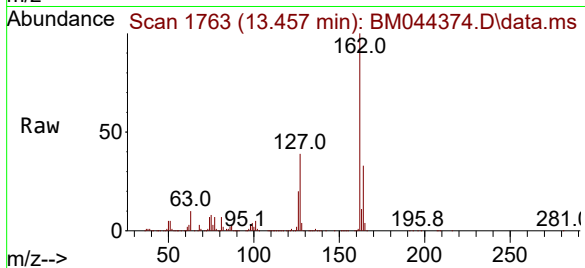
Tgt Ion:162 Resp: 1169303

Ion Ratio Lower Upper

162 100

164 33.1 26.1 39.1

127 39.5 30.9 46.3



#45

2-Nitroaniline

Concen: 42.384 ng/ul

RT: 13.674 min Scan# 1800

Delta R.T. 0.012 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

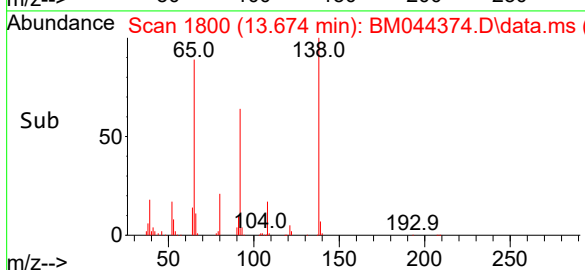
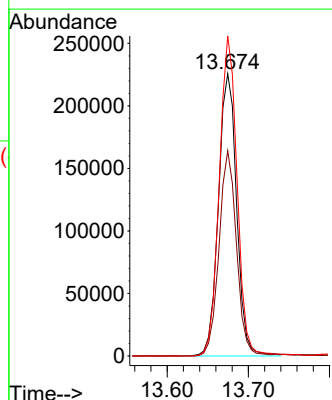
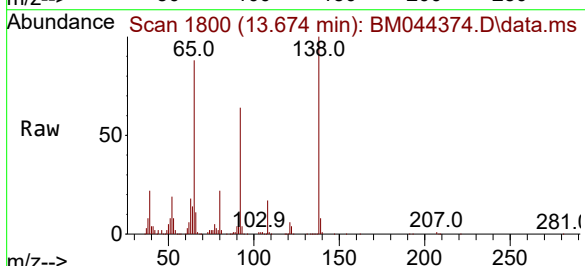
Tgt Ion: 65 Resp: 352663

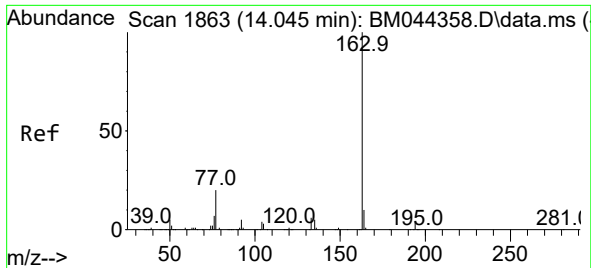
Ion Ratio Lower Upper

65 100

92 72.6 52.5 78.7

138 113.4 86.4 129.6

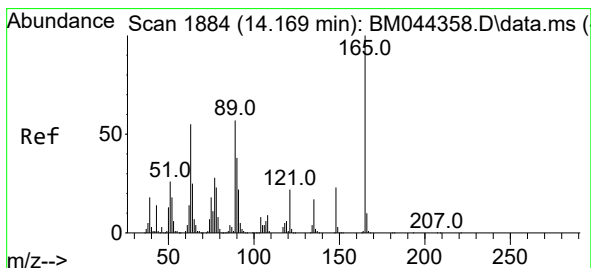
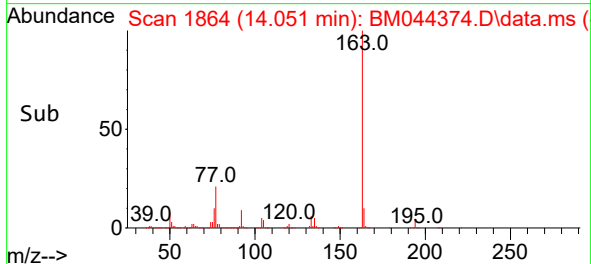
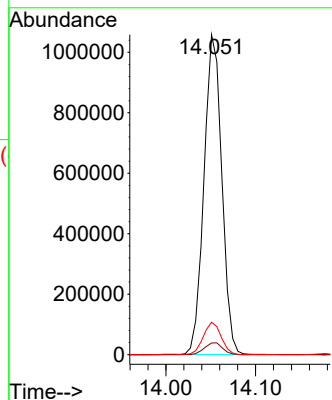
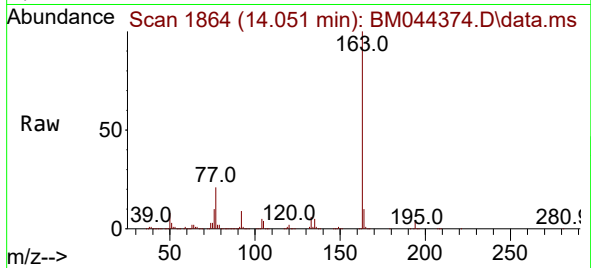




#47
Dimethylphthalate
Concen: 39.289 ng/ul
RT: 14.051 min Scan# 1864
Delta R.T. 0.006 min
Lab File: BM044374.D
Acq: 27 Feb 2024 19:33

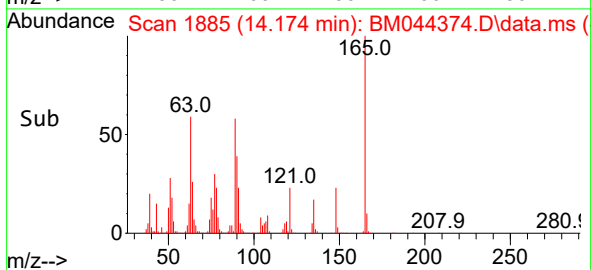
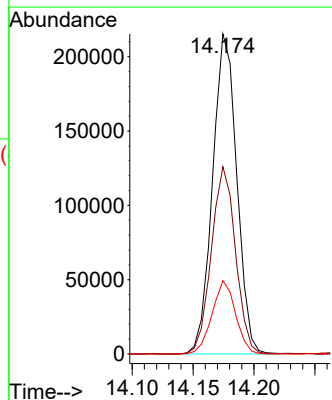
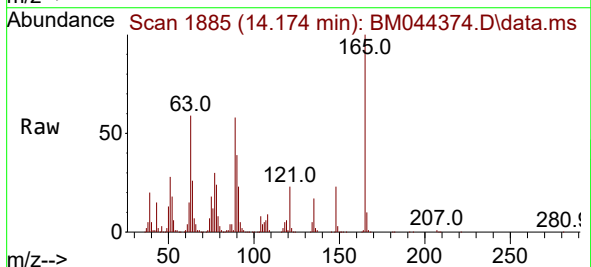
Instrument :
BNA_M
ClientSampleId :

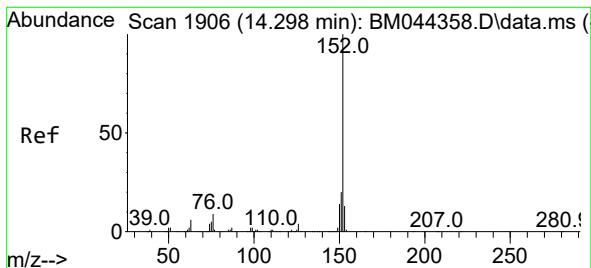
Tgt Ion:163 Resp: 1460094
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.6
164 10.2 8.1 12.1



#48
2,6-Dinitrotoluene
Concen: 42.760 ng/ul
RT: 14.174 min Scan# 1885
Delta R.T. 0.006 min
Lab File: BM044374.D
Acq: 27 Feb 2024 19:33

Tgt Ion:165 Resp: 297175
Ion Ratio Lower Upper
165 100
89 58.5 48.2 72.2
121 22.9 18.7 28.1





#50

Acenaphthylene

Concen: 39.359 ng/ul

RT: 14.304 min Scan# 1907

Delta R.T. 0.012 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

Instrument :

BNA_M

ClientSampleId :

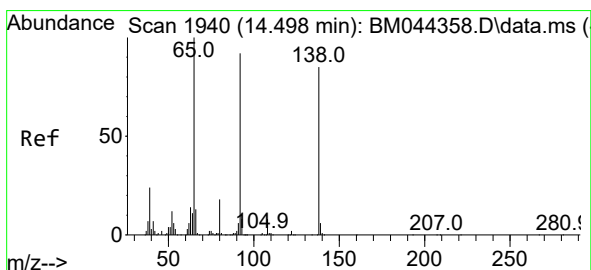
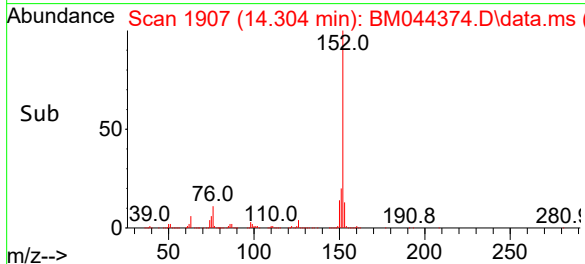
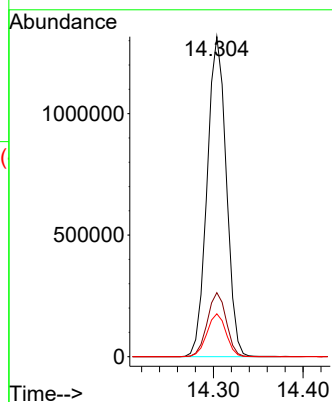
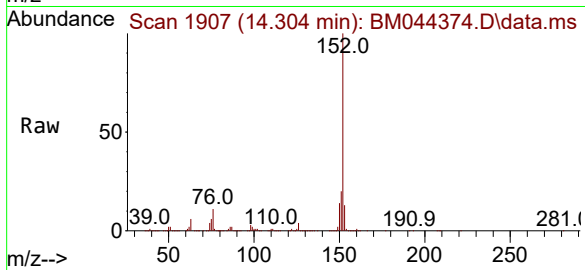
Tgt Ion:152 Resp: 1950346

Ion Ratio Lower Upper

152 100

151 20.0 15.8 23.6

153 13.4 10.4 15.6



#51

3-Nitroaniline

Concen: 43.534 ng/ul

RT: 14.504 min Scan# 1941

Delta R.T. 0.012 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

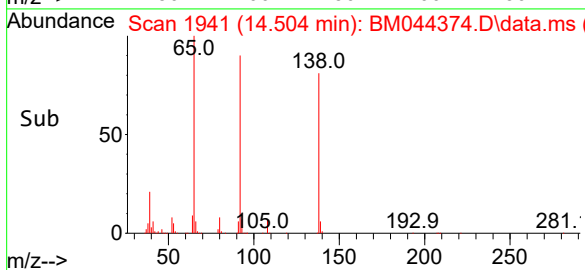
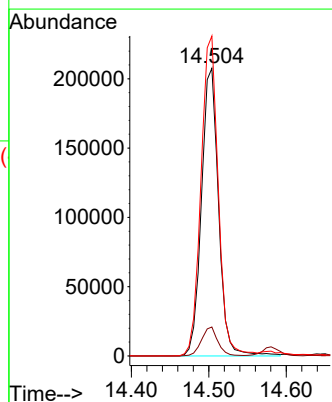
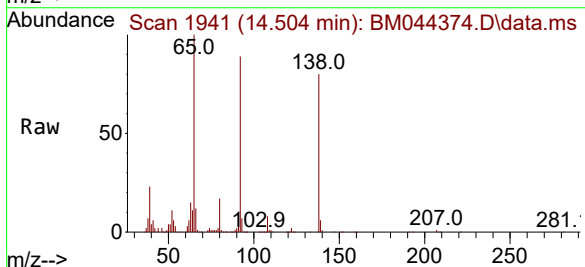
Tgt Ion:138 Resp: 319186

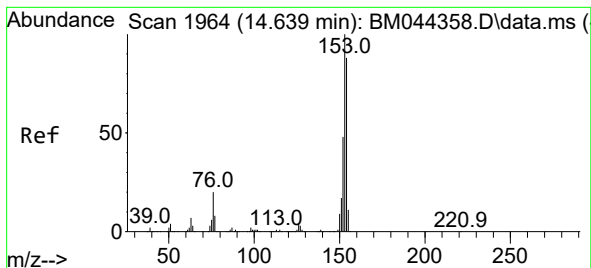
Ion Ratio Lower Upper

138 100

108 10.1 8.6 12.8

92 111.3 93.8 140.6





#52

Acenaphthene

Concen: 38.871 ng/ul

RT: 14.645 min Scan# 1965

Delta R.T. 0.012 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

Instrument :

BNA_M

ClientSampleId :

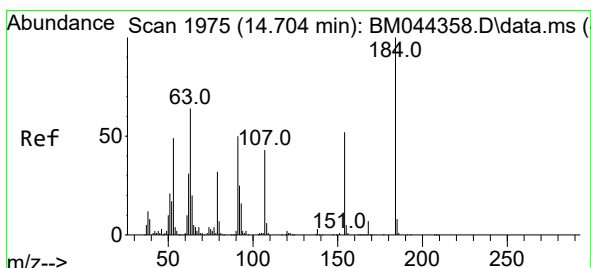
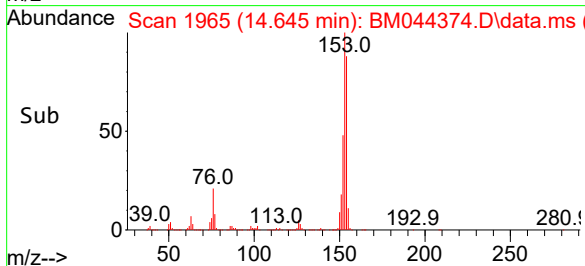
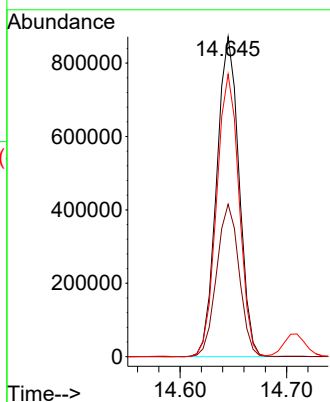
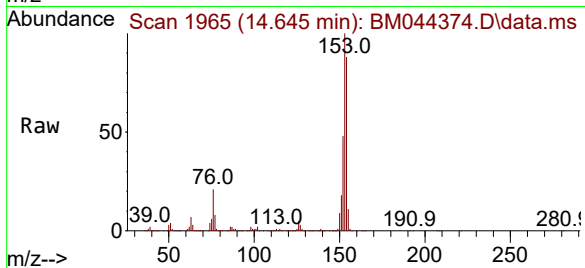
Tgt Ion:153 Resp: 1271582

Ion Ratio Lower Upper

153 100

152 47.7 38.5 57.7

154 88.3 70.8 106.2



#53

2,4-Dinitrophenol

Concen: 35.405 ng/ul

RT: 14.710 min Scan# 1976

Delta R.T. 0.012 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

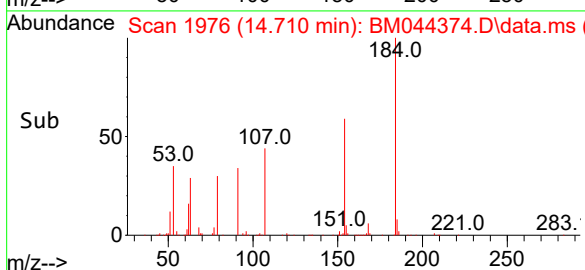
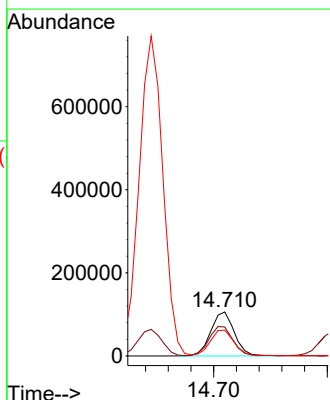
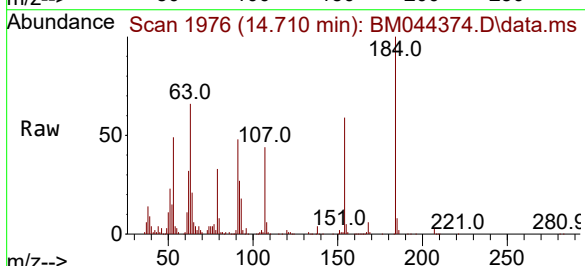
Tgt Ion:184 Resp: 152687

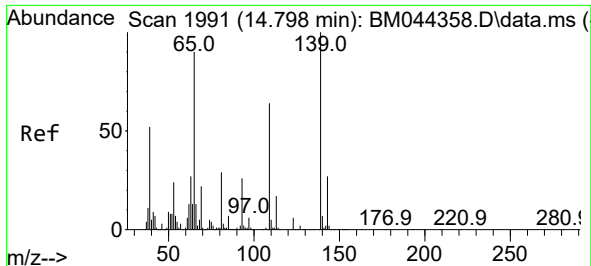
Ion Ratio Lower Upper

184 100

63 66.0 58.4 87.6

154 58.5 46.4 69.6

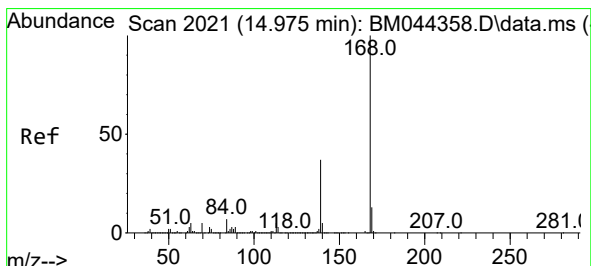
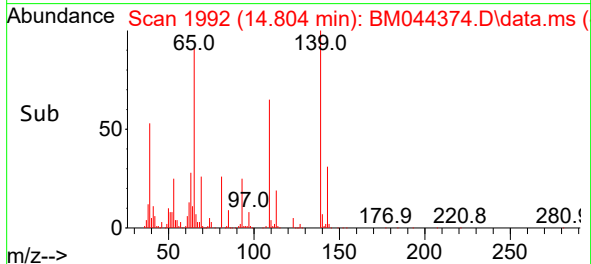
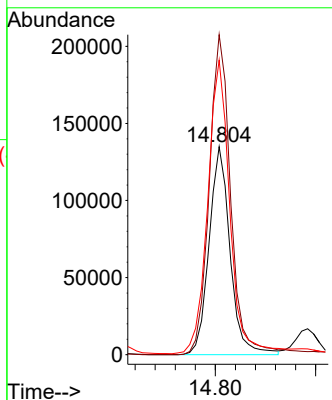
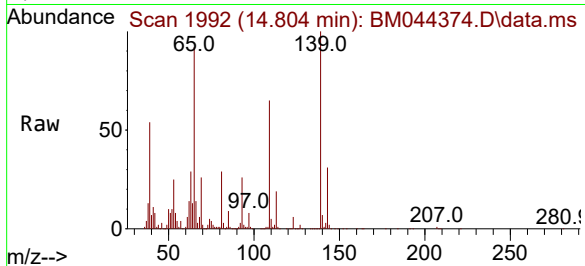




#55
4-Nitrophenol
Concen: 39.527 ng/ul
RT: 14.804 min Scan# 1992
Delta R.T. 0.012 min
Lab File: BM044374.D
Acq: 27 Feb 2024 19:33

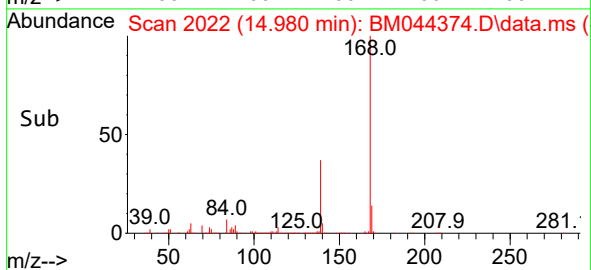
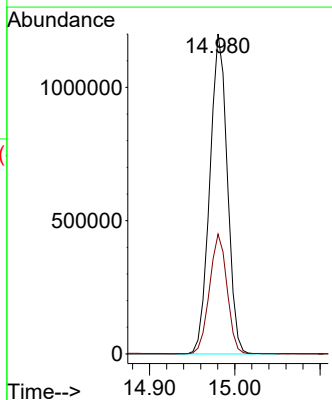
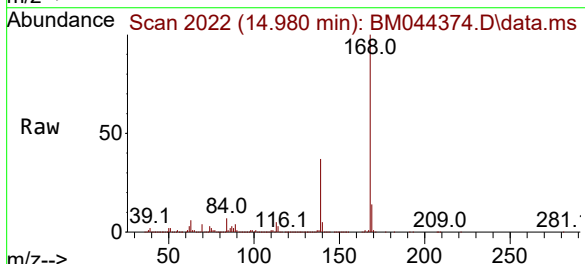
Instrument :
BNA_M
ClientSampleId :

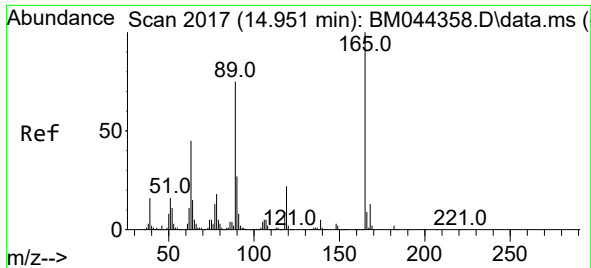
Tgt Ion:109 Resp: 196469
Ion Ratio Lower Upper
109 100
139 153.8 123.0 184.6
65 141.6 122.2 183.2



#56
Dibenzofuran
Concen: 39.112 ng/ul
RT: 14.980 min Scan# 2022
Delta R.T. 0.006 min
Lab File: BM044374.D
Acq: 27 Feb 2024 19:33

Tgt Ion:168 Resp: 1717581
Ion Ratio Lower Upper
168 100
139 37.5 29.9 44.9





#57

2,4-Dinitrotoluene

Concen: 43.240 ng/ul

RT: 14.957 min Scan# 2017

Delta R.T. 0.006 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

Instrument :

BNA_M

ClientSampleId :

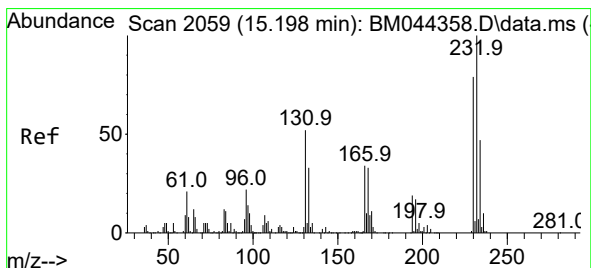
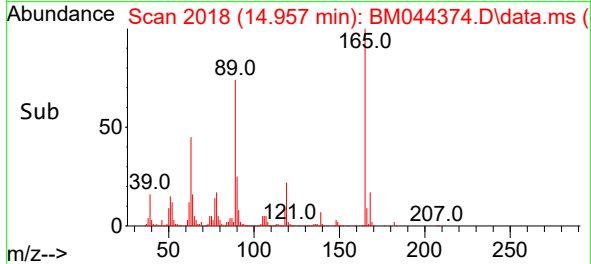
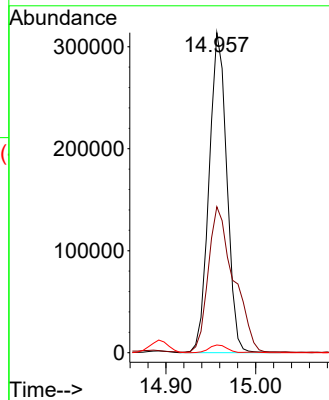
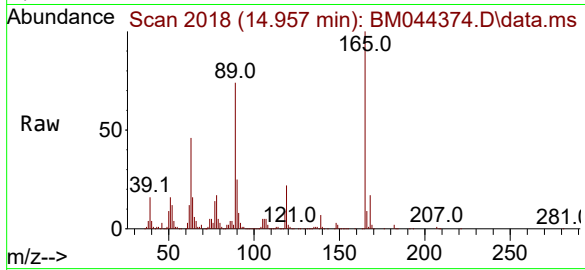
Tgt Ion:165 Resp: 431723

Ion Ratio Lower Upper

165 100

63 45.6 37.9 56.9

182 2.4 1.8 2.6



#58

2,3,4,6-Tetrachlorophenol

Concen: 40.142 ng/ul

RT: 15.204 min Scan# 2060

Delta R.T. 0.006 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

Tgt Ion:232 Resp: 310682

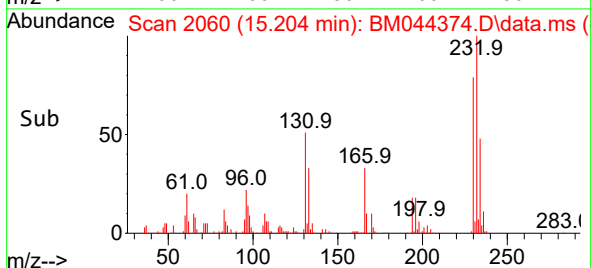
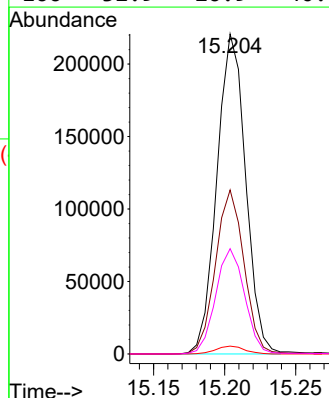
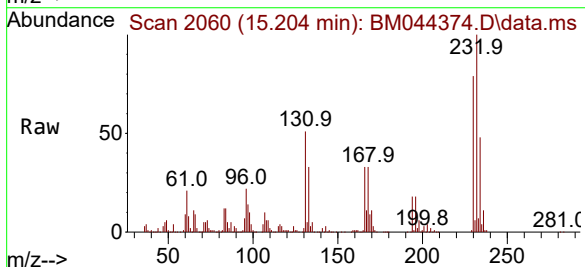
Ion Ratio Lower Upper

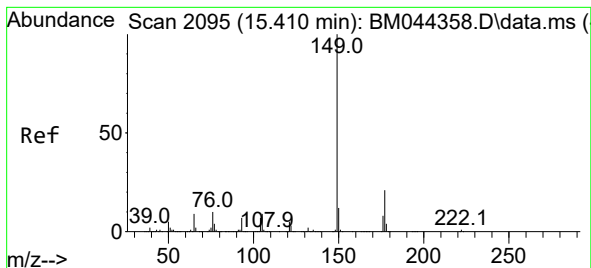
232 100

131 51.2 41.9 62.9

130 2.5 1.8 2.8

166 32.9 26.9 40.3





#59

Diethylphthalate

Concen: 39.863 ng/ul

RT: 15.416 min Scan# 2095

Delta R.T. 0.006 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

Instrument :

BNA_M

ClientSampleId :

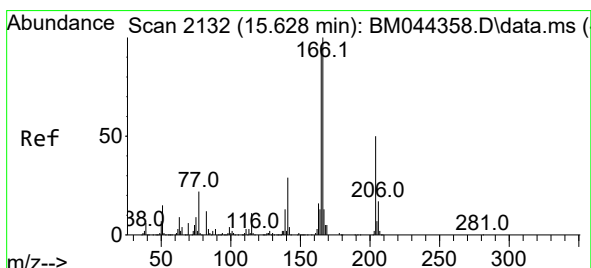
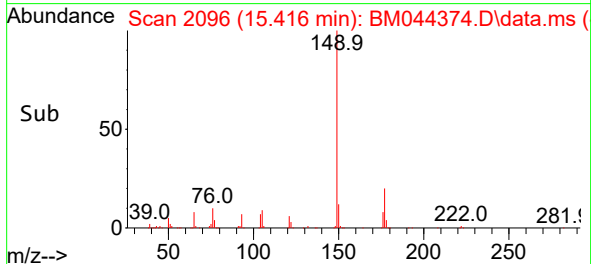
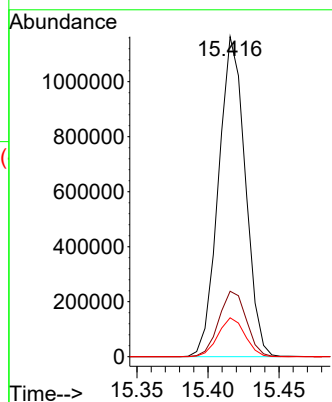
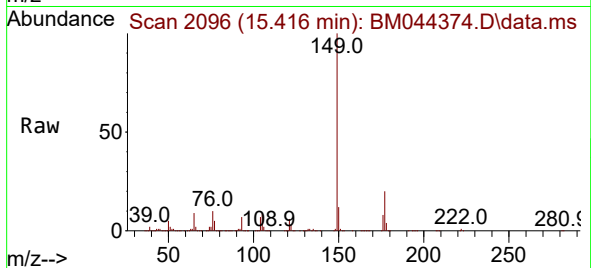
Tgt Ion:149 Resp: 1524891

Ion Ratio Lower Upper

149 100

177 20.5 17.0 25.6

150 12.2 9.6 14.4



#61

Fluorene

Concen: 39.700 ng/ul

RT: 15.633 min Scan# 2133

Delta R.T. 0.012 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

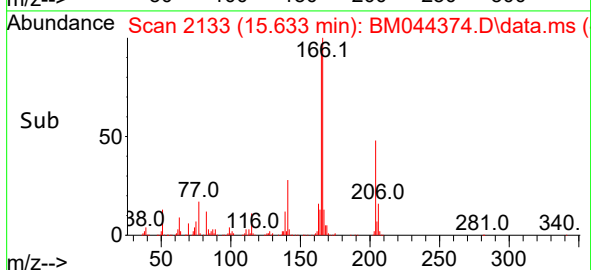
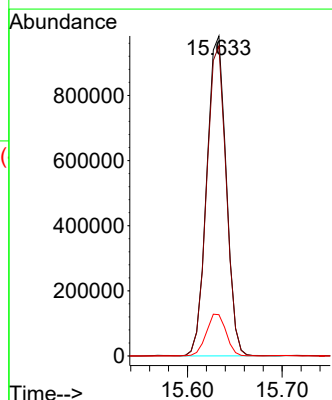
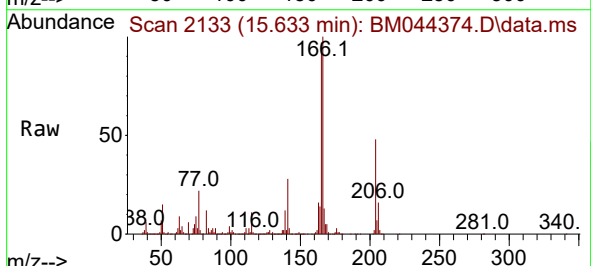
Tgt Ion:166 Resp: 1400263

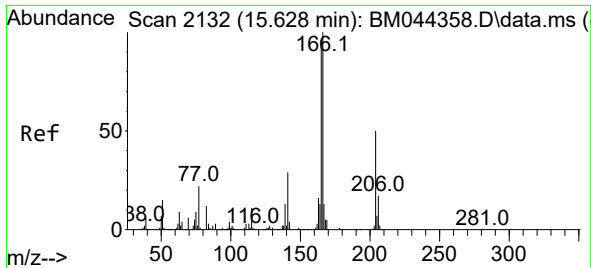
Ion Ratio Lower Upper

166 100

165 96.9 77.4 116.0

167 12.9 10.8 16.2

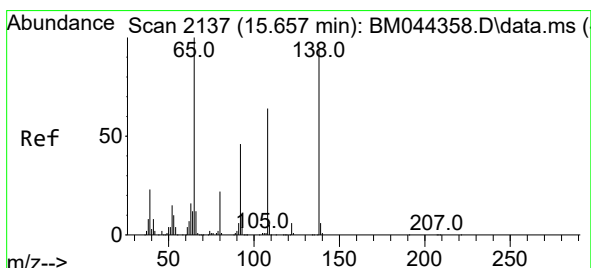
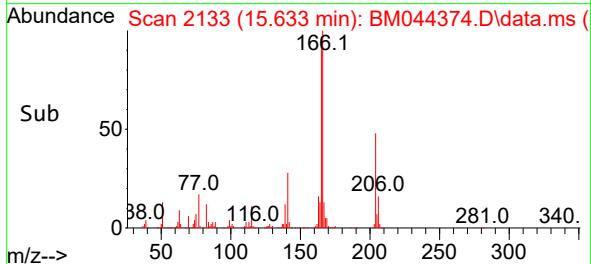
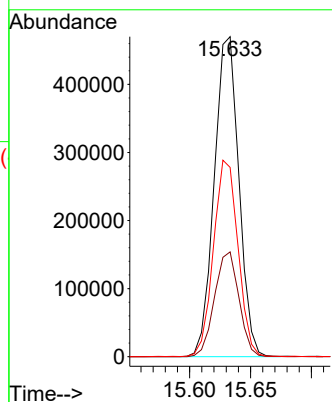
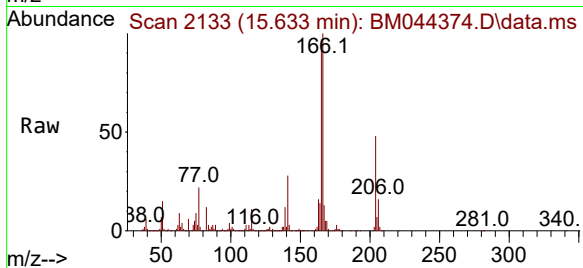




#62
4-Chlorophenyl-phenylether
Concen: 39.819 ng/ul
RT: 15.633 min Scan# 2133
Delta R.T. 0.012 min
Lab File: BM044374.D
Acq: 27 Feb 2024 19:33

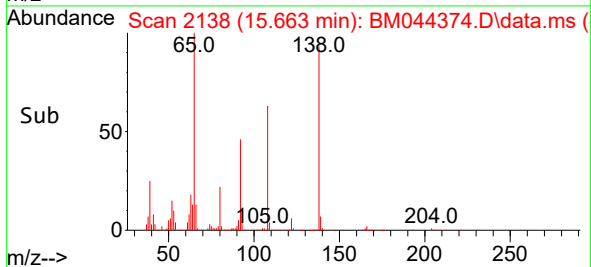
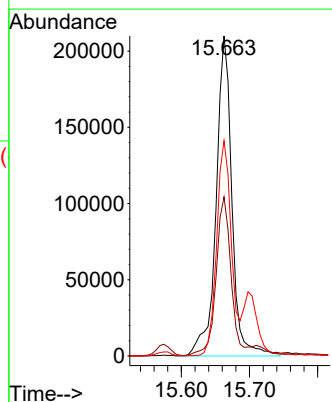
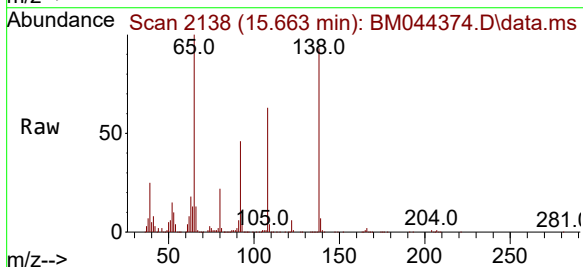
Instrument :
BNA_M
ClientSampleId :

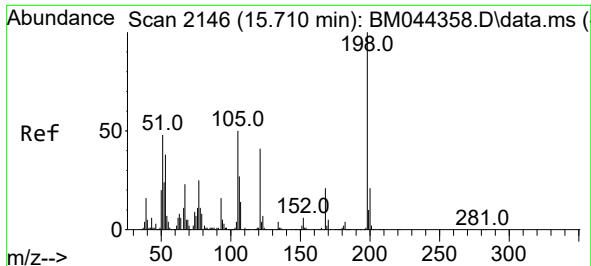
Tgt Ion:204 Resp: 661885
Ion Ratio Lower Upper
204 100
206 32.7 26.9 40.3
141 59.1 48.3 72.5



#63
4-Nitroaniline
Concen: 47.911 ng/ul
RT: 15.663 min Scan# 2138
Delta R.T. 0.012 min
Lab File: BM044374.D
Acq: 27 Feb 2024 19:33

Tgt Ion:138 Resp: 339760
Ion Ratio Lower Upper
138 100
92 49.7 40.9 61.3
108 67.3 55.1 82.7

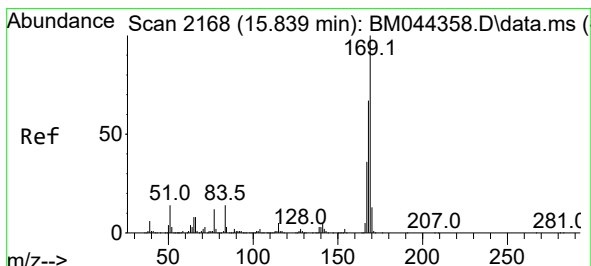
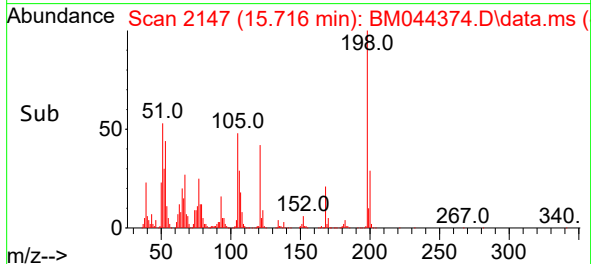
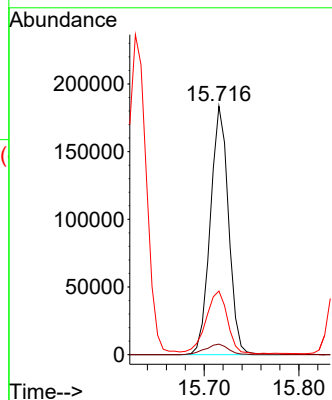
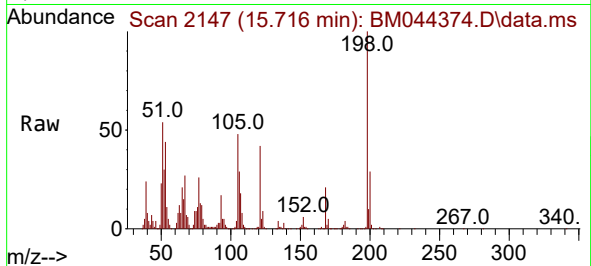




#66
4,6-Dinitro-2-methylphenol
Concen: 36.872 ng/ul
RT: 15.716 min Scan# 2146
Delta R.T. 0.012 min
Lab File: BM044374.D
Acq: 27 Feb 2024 19:33

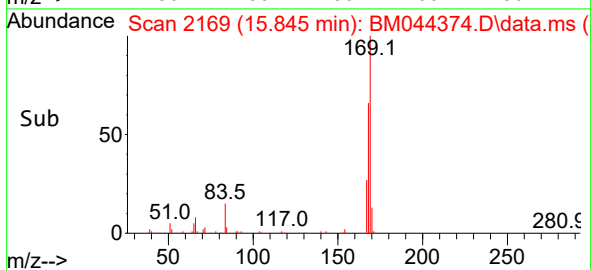
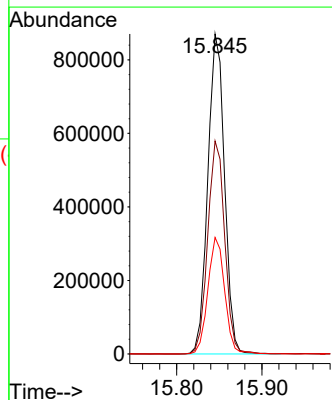
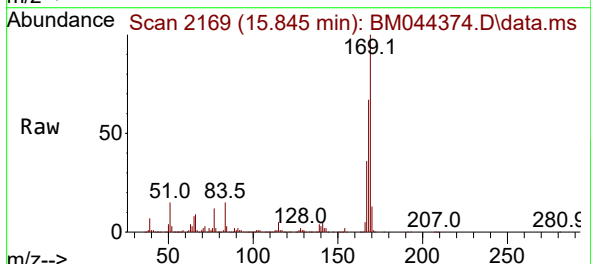
Instrument :
BNA_M
ClientSampleId :

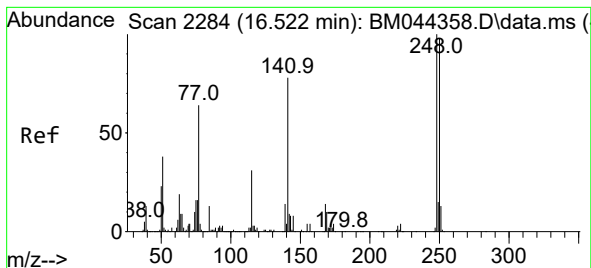
Tgt Ion:198 Resp: 245453
Ion Ratio Lower Upper
198 100
182 4.3 3.8 5.8
77 25.6 20.6 30.8



#67
N-Nitrosodiphenylamine
Concen: 39.864 ng/ul
RT: 15.845 min Scan# 2169
Delta R.T. 0.006 min
Lab File: BM044374.D
Acq: 27 Feb 2024 19:33

Tgt Ion:169 Resp: 1184796
Ion Ratio Lower Upper
169 100
168 66.5 53.6 80.4
167 36.4 29.2 43.8





#68

4-Bromophenyl-phenylether

Concen: 40.915 ng/ul

RT: 16.527 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

Instrument :

BNA_M

ClientSampleId :

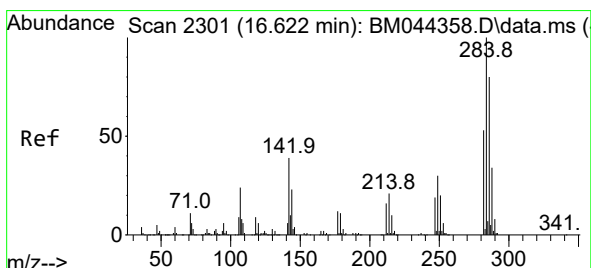
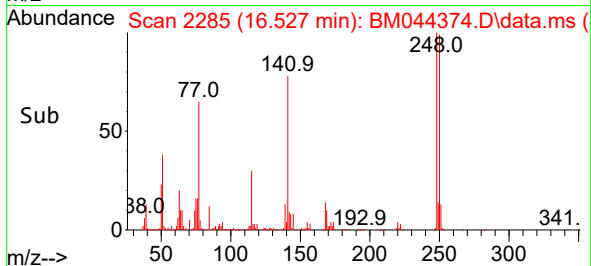
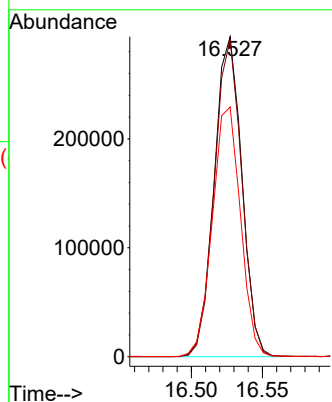
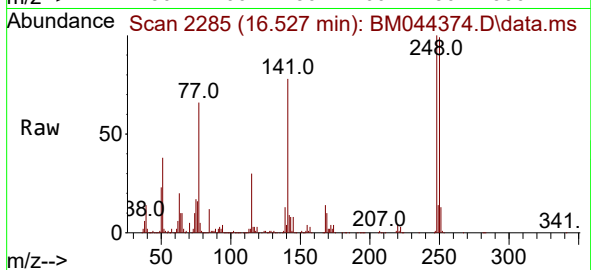
Tgt Ion:248 Resp: 398692

Ion Ratio Lower Upper

248 100

250 99.1 79.8 119.8

141 78.1 65.8 98.8



#69

Hexachlorobenzene

Concen: 40.455 ng/ul

RT: 16.627 min Scan# 2302

Delta R.T. 0.012 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

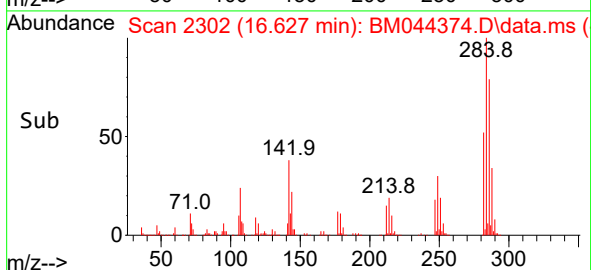
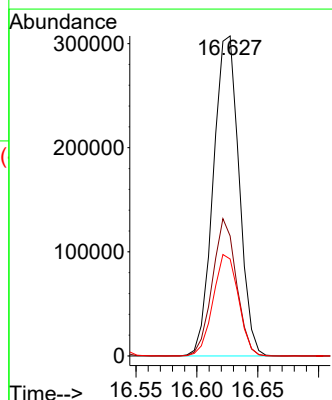
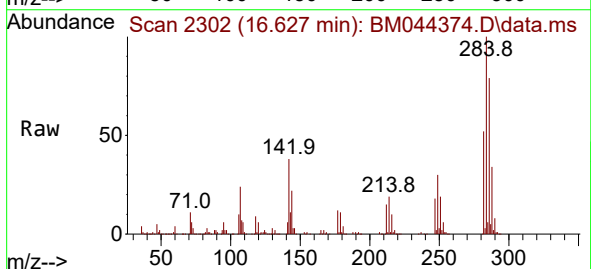
Tgt Ion:284 Resp: 451195

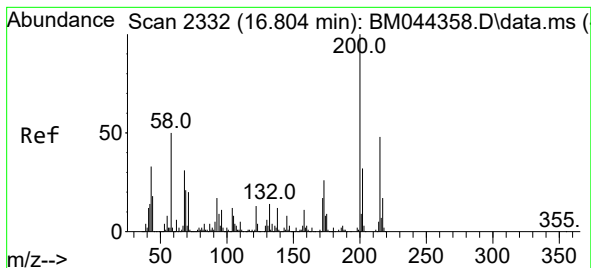
Ion Ratio Lower Upper

284 100

142 37.5 33.4 50.2

249 30.3 24.7 37.1





#70

Atrazine

Concen: 25.814 ng/ul

RT: 16.804 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

Instrument :

BNA_M

ClientSampleId :

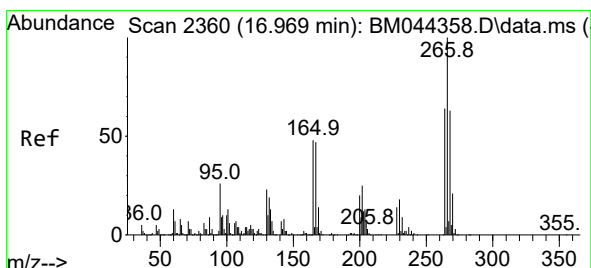
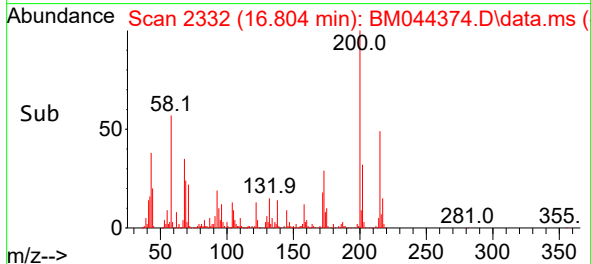
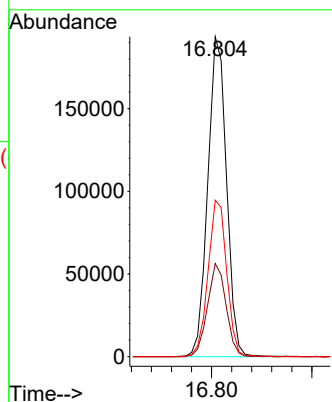
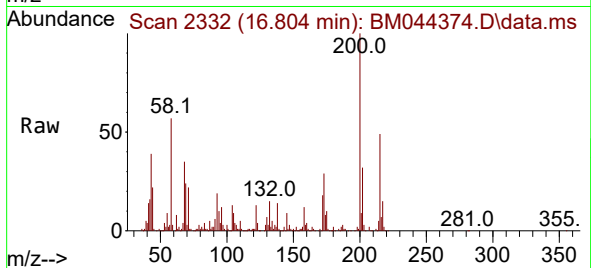
Tgt Ion:200 Resp: 251324

Ion Ratio Lower Upper

200 100

173 29.1 22.5 33.7

215 48.9 37.8 56.6



#71

Pentachlorophenol

Concen: 35.895 ng/ul

RT: 16.974 min Scan# 2361

Delta R.T. 0.006 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

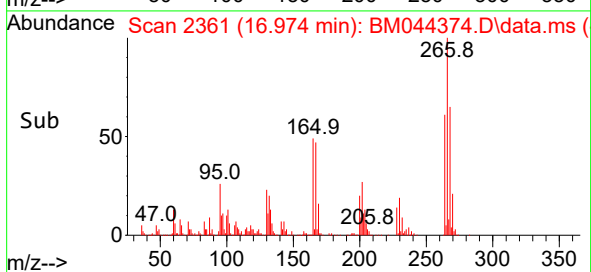
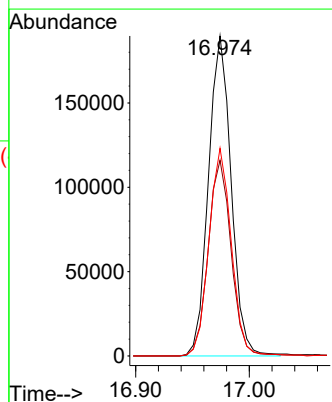
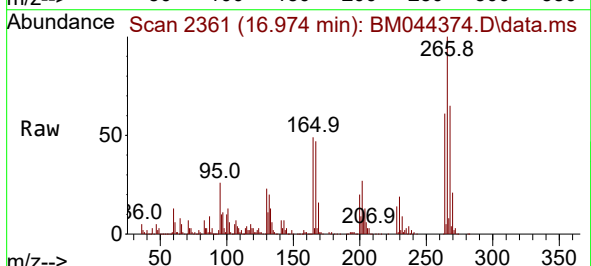
Tgt Ion:266 Resp: 263827

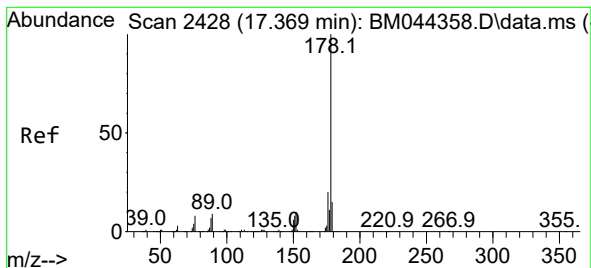
Ion Ratio Lower Upper

266 100

264 61.2 50.9 76.3

268 64.9 51.1 76.7





#72

Phenanthrene

Concen: 39.027 ng/ul

RT: 17.374 min Scan# 2428

Delta R.T. 0.006 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

Instrument :

BNA_M

ClientSampleId :

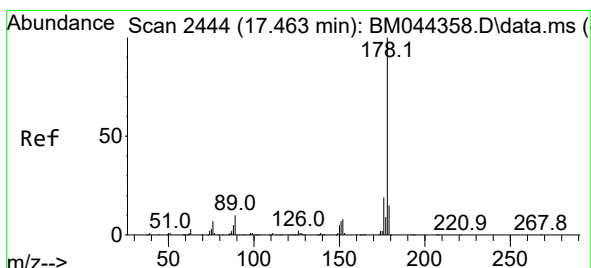
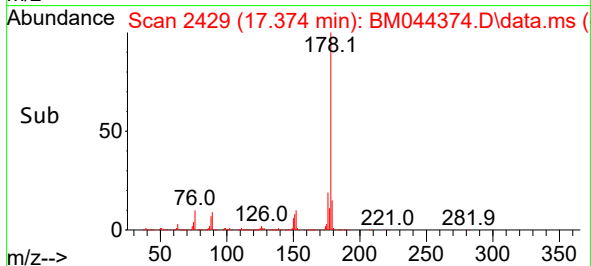
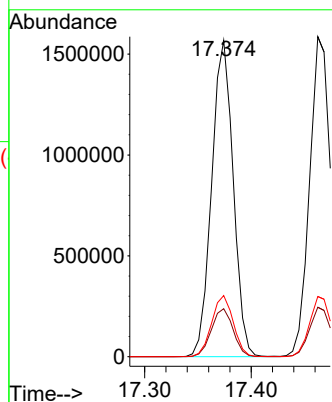
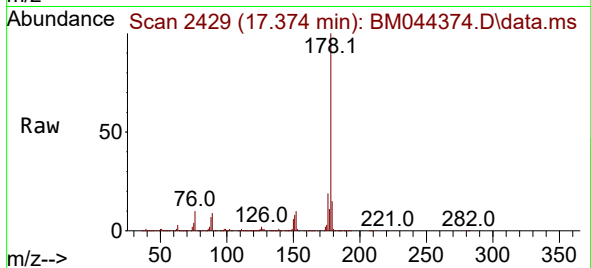
Tgt Ion:178 Resp: 2195747

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.4

176 19.3 15.6 23.4



#74

Anthracene

Concen: 38.748 ng/ul

RT: 17.462 min Scan# 2444

Delta R.T. 0.006 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

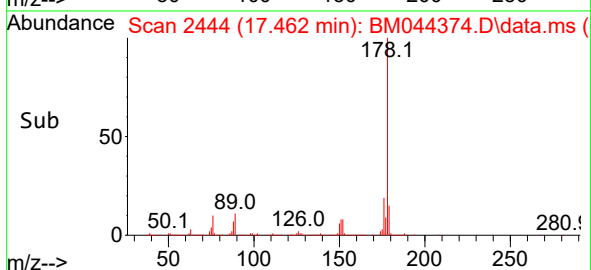
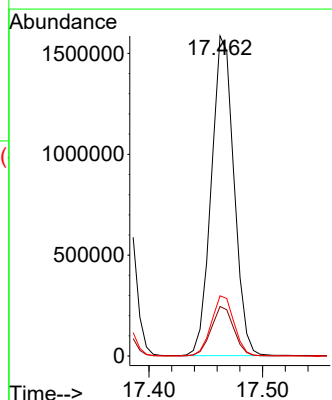
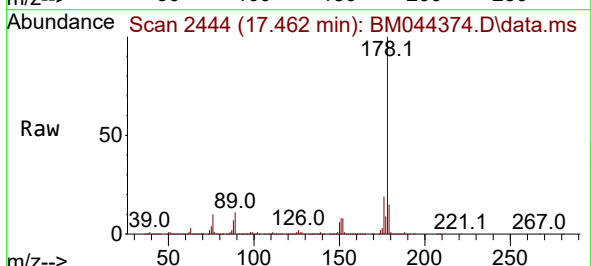
Tgt Ion:178 Resp: 2194937

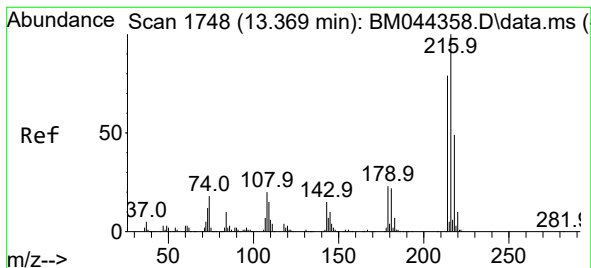
Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.2

176 18.8 15.4 23.0





#75

1,2,3,4-Tetrachlorobenzene

Concen: 39.691 ng/uL

RT: 13.374 min Scan# 1

Delta R.T. 0.006 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

Instrument :

BNA_M

ClientSampleId :

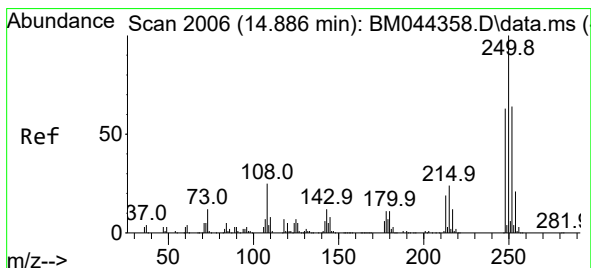
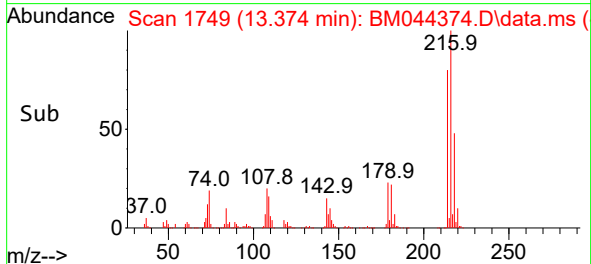
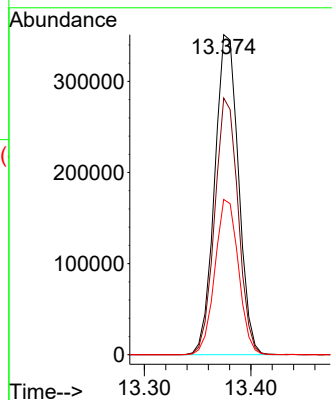
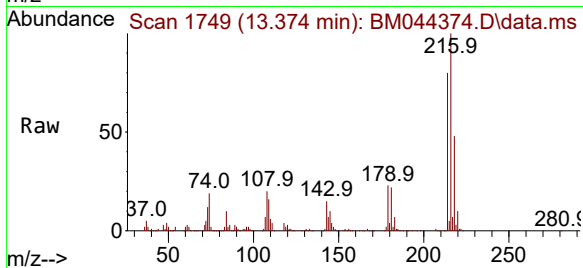
Tgt Ion:216 Resp: 544899

Ion Ratio Lower Upper

216 100

214 80.2 61.9 92.9

218 48.5 37.9 56.9



#76

Pentachlorobenzene

Concen: 39.634 ng/uL

RT: 14.892 min Scan# 2007

Delta R.T. 0.006 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

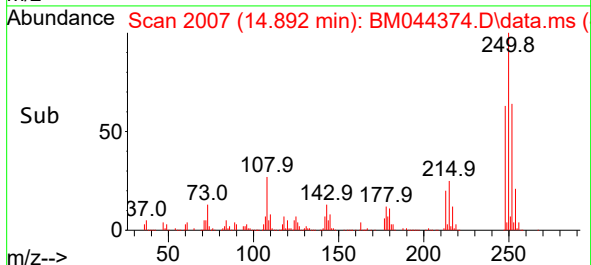
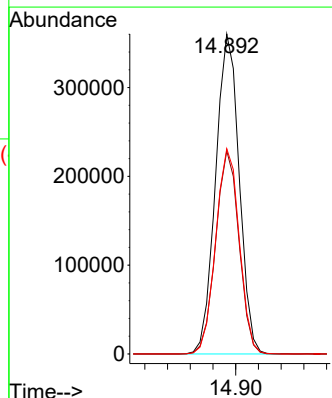
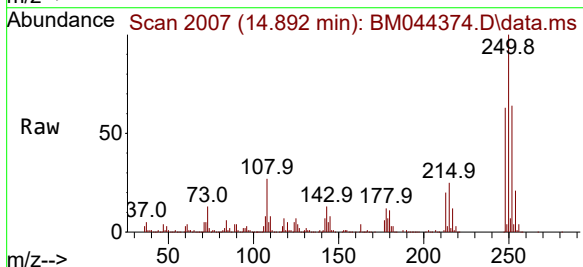
Tgt Ion:250 Resp: 519438

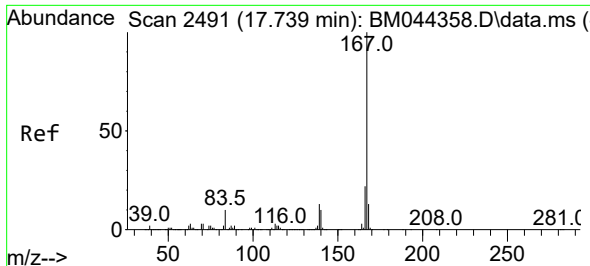
Ion Ratio Lower Upper

250 100

248 63.4 48.6 73.0

252 64.2 50.0 75.0

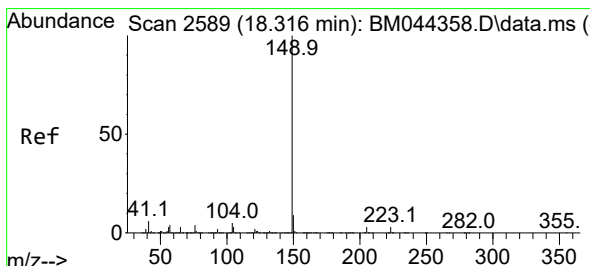
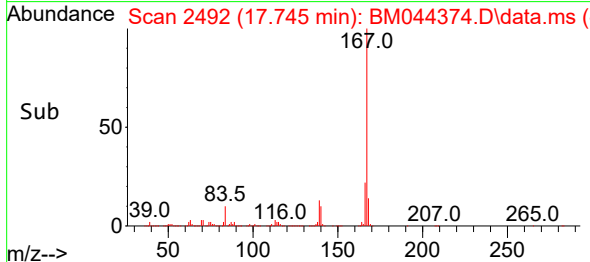
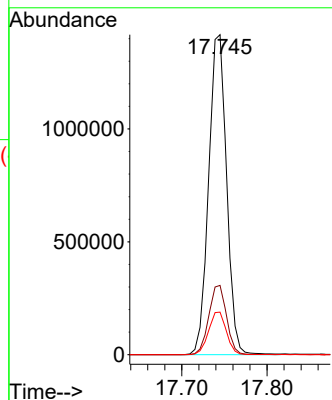
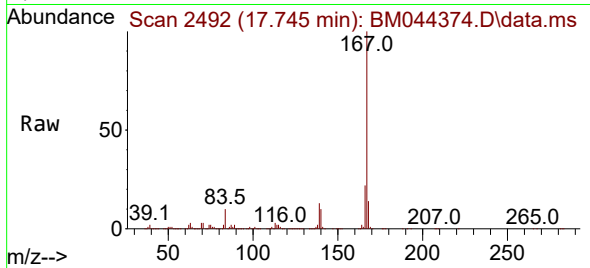




#77
 Carbazole
 Concen: 39.035 ng/ul
 RT: 17.745 min Scan# 2491
 Delta R.T. 0.012 min
 Lab File: BM044374.D
 Acq: 27 Feb 2024 19:33

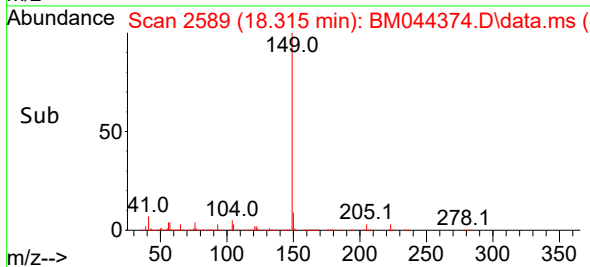
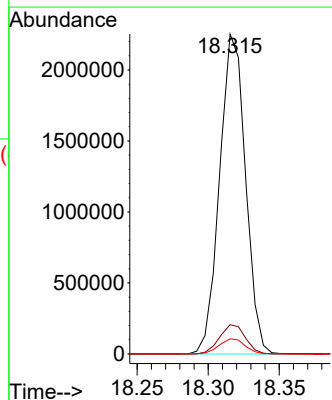
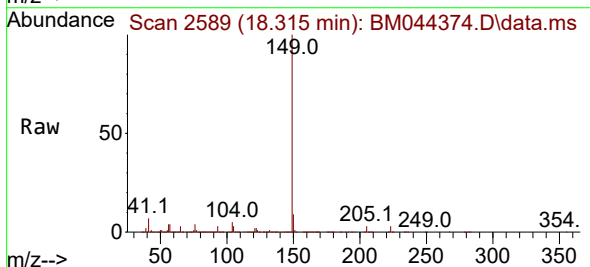
Instrument :
 BNA_M
 ClientSampleId :

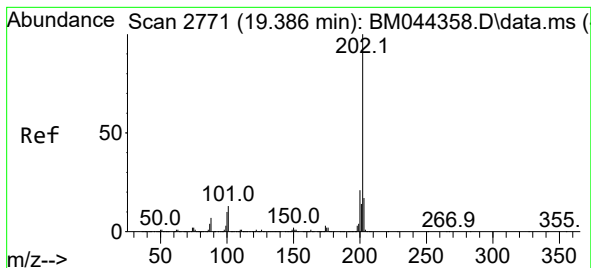
Tgt Ion:167 Resp: 2079193
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.1 25.7
 139 13.3 10.7 16.1



#78
 Di-n-butylphthalate
 Concen: 42.333 ng/ul
 RT: 18.315 min Scan# 2589
 Delta R.T. 0.006 min
 Lab File: BM044374.D
 Acq: 27 Feb 2024 19:33

Tgt Ion:149 Resp: 2854948
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.3 10.9
 104 4.7 3.8 5.8





#80

Fluoranthene

Concen: 41.518 ng/ul

RT: 19.392 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

Instrument :

BNA_M

ClientSampleId :

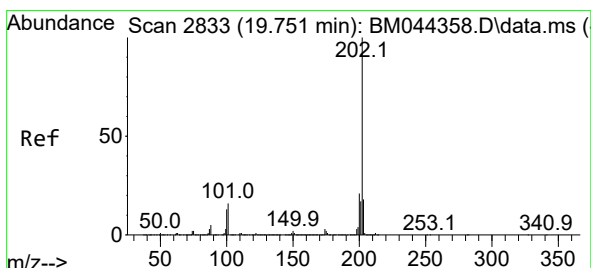
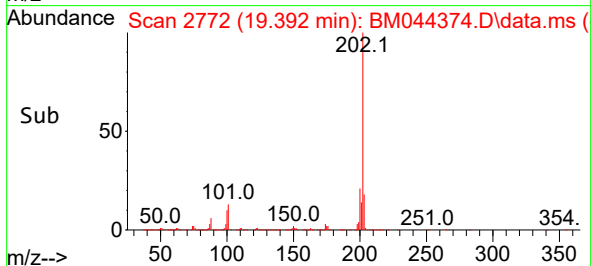
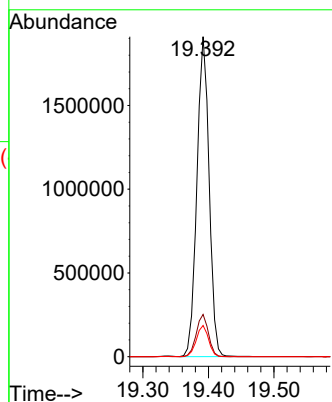
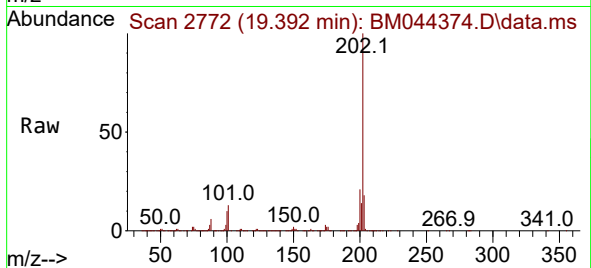
Tgt Ion:202 Resp: 2478030

Ion Ratio Lower Upper

202 100

101 13.2 11.1 16.7

100 9.8 8.2 12.2



#82

Pyrene

Concen: 41.081 ng/ul

RT: 19.756 min Scan# 2834

Delta R.T. 0.006 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

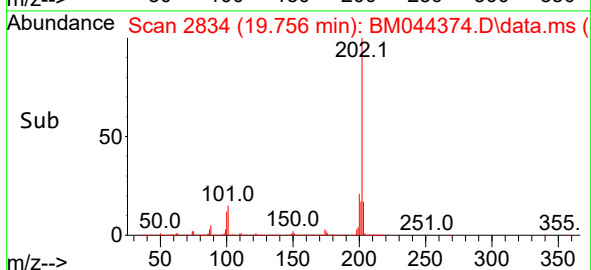
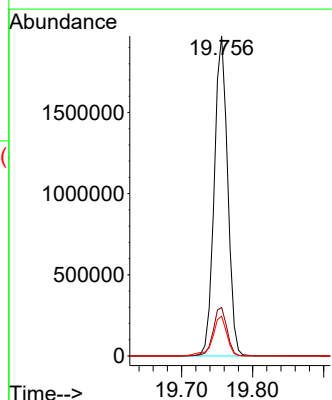
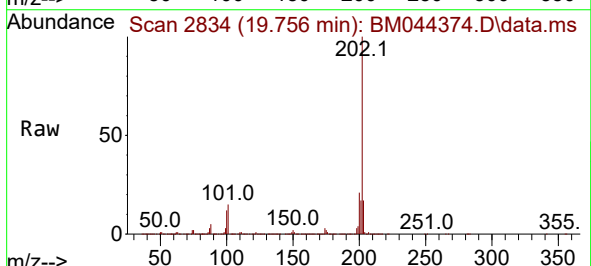
Tgt Ion:202 Resp: 2571437

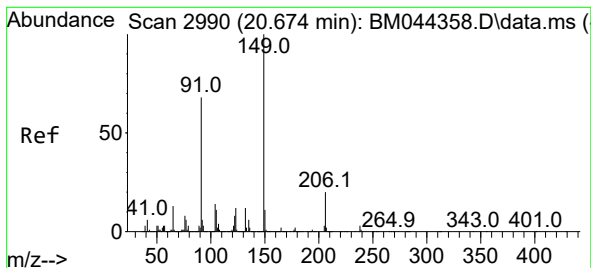
Ion Ratio Lower Upper

202 100

101 15.2 12.6 18.8

100 12.4 10.2 15.2





#83

Butylbenzylphthalate

Concen: 45.695 ng/ul

RT: 20.674 min Scan# 2990

Delta R.T. 0.006 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

Instrument :

BNA_M

ClientSampleId :

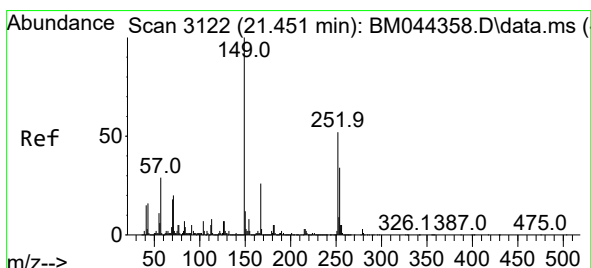
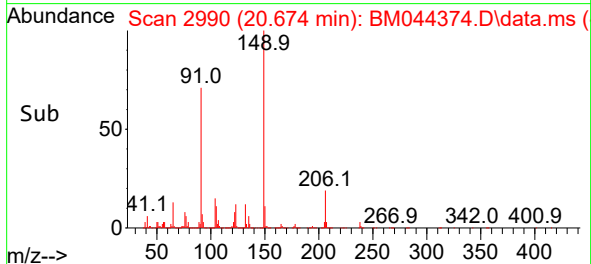
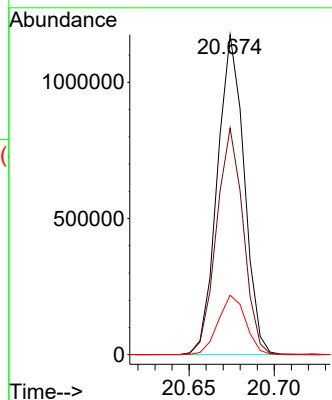
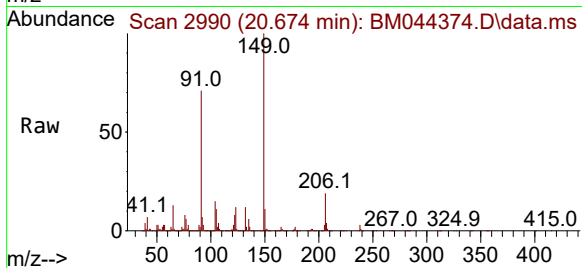
Tgt Ion:149 Resp: 1284703

Ion Ratio Lower Upper

149 100

91 70.8 58.1 87.1

206 18.6 15.0 22.4



#84

3,3'-Dichlorobenzidine

Concen: 41.133 ng/ul

RT: 21.450 min Scan# 3122

Delta R.T. 0.006 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

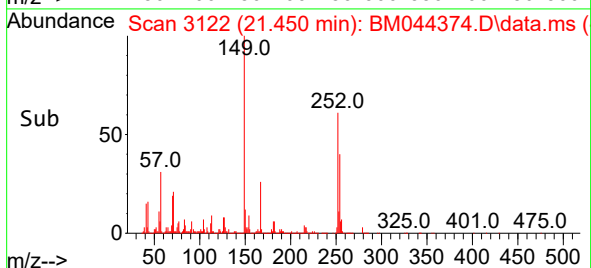
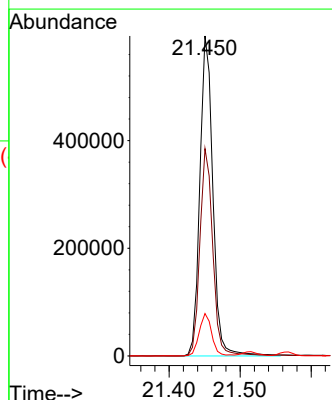
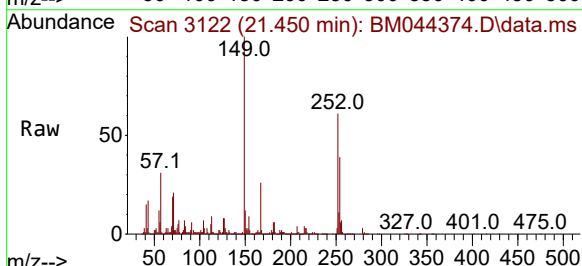
Tgt Ion:252 Resp: 761088

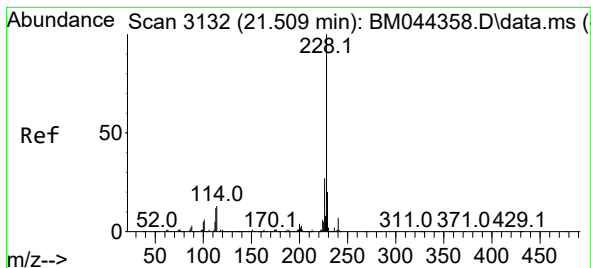
Ion Ratio Lower Upper

252 100

254 64.8 51.6 77.4

126 13.3 11.2 16.8





#85

Benzo(a)anthracene

Concen: 40.259 ng/ul

RT: 21.515 min Scan# 3133

Delta R.T. 0.006 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

Instrument :

BNA_M

ClientSampleId :

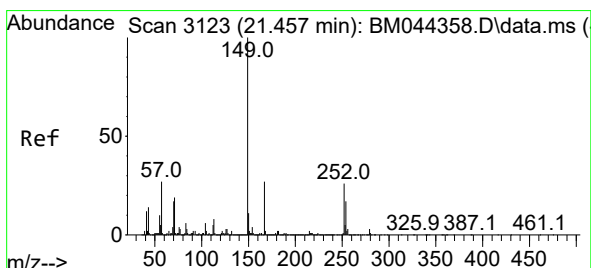
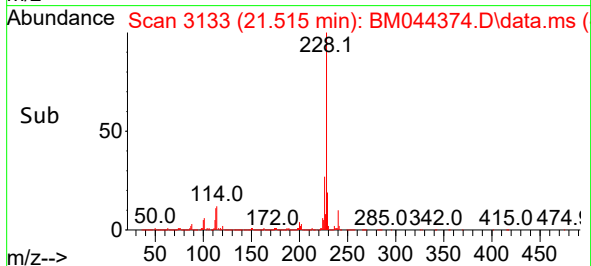
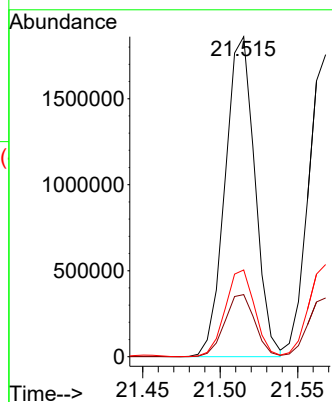
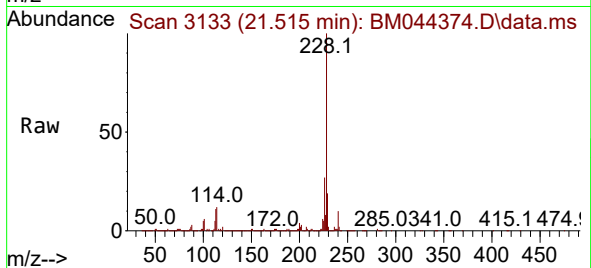
Tgt Ion:228 Resp: 2483769

Ion Ratio Lower Upper

228 100

229 19.4 15.4 23.0

226 27.1 21.2 31.8



#86

Bis(2-ethylhexyl)phthalate

Concen: 45.907 ng/ul

RT: 21.456 min Scan# 3123

Delta R.T. 0.006 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

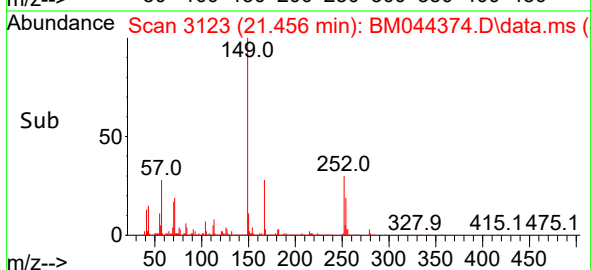
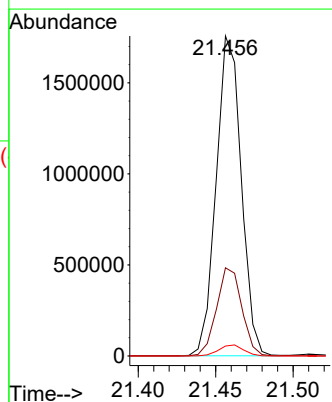
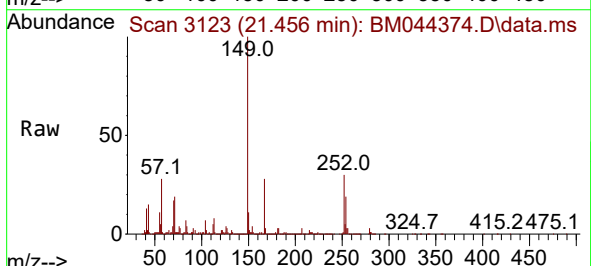
Tgt Ion:149 Resp: 1976033

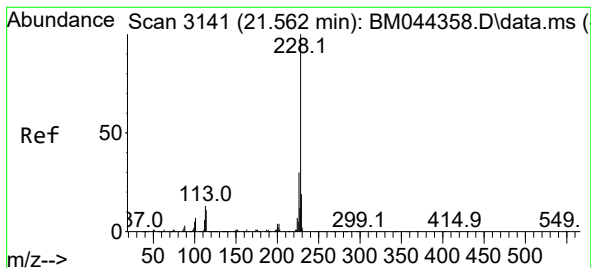
Ion Ratio Lower Upper

149 100

167 27.5 22.1 33.1

279 3.1 2.4 3.6





#87

Chrysene

Concen: 39.749 ng/ul

RT: 21.568 min Scan# 3141

Delta R.T. 0.006 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

Instrument :

BNA_M

ClientSampleId :

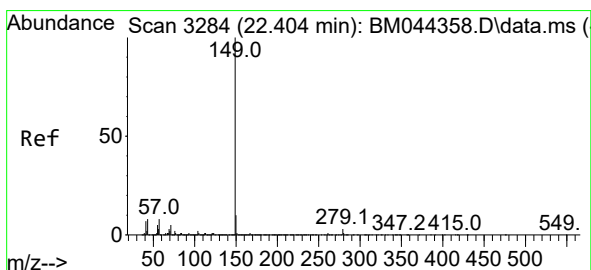
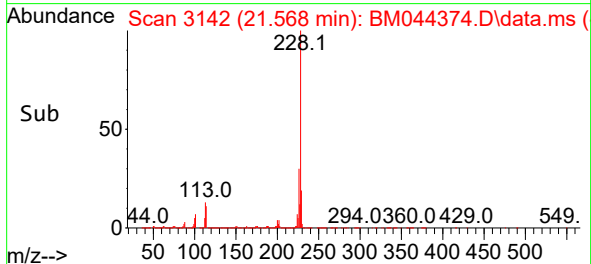
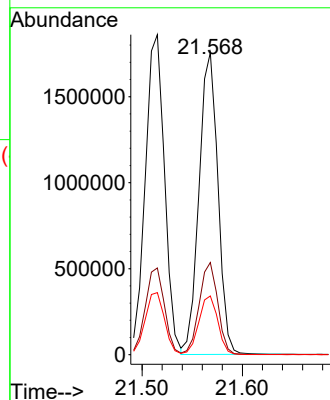
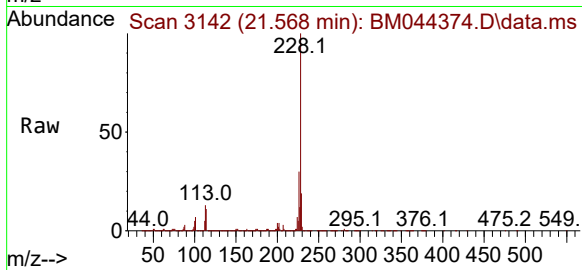
Tgt Ion:228 Resp: 2305184

Ion Ratio Lower Upper

228 100

226 30.5 23.8 35.6

229 19.4 16.0 24.0



#89

Di-n-octyl phthalate

Concen: 45.182 ng/ul

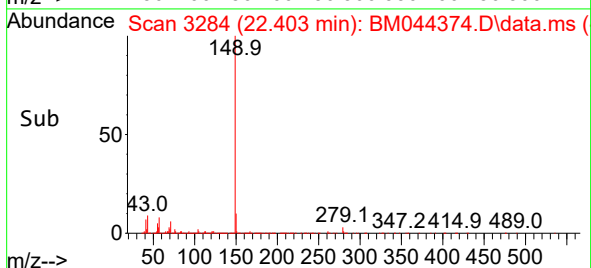
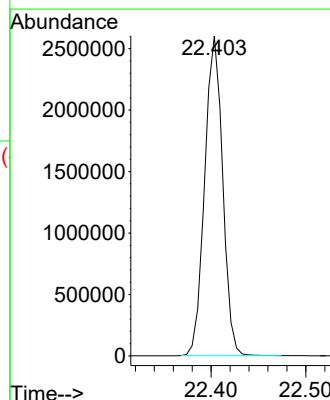
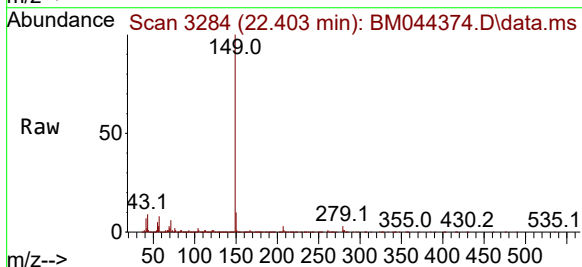
RT: 22.403 min Scan# 3284

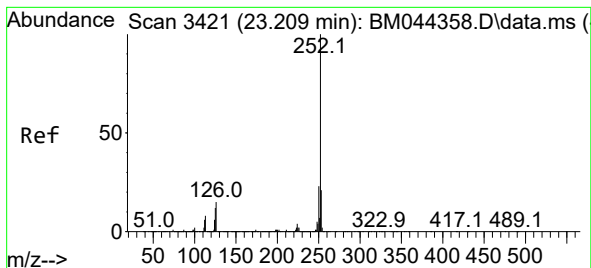
Delta R.T. 0.006 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

Tgt Ion:149 Resp: 3419442





#90

Benzo(b)fluoranthene

Concen: 41.846 ng/ul

RT: 23.209 min Scan# 3421

Delta R.T. 0.012 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

Instrument :

BNA_M

ClientSampleId :

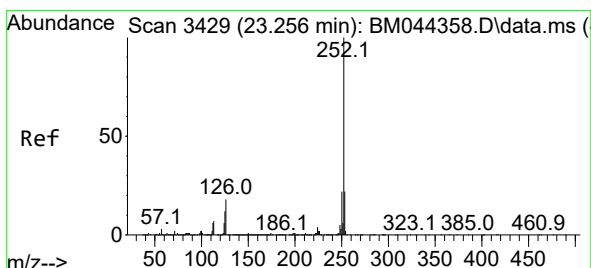
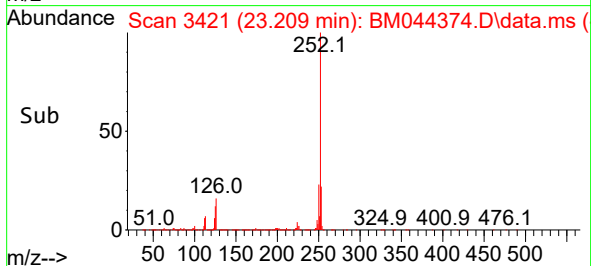
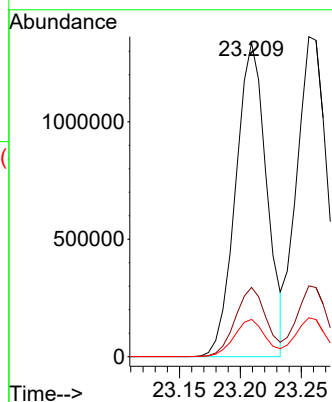
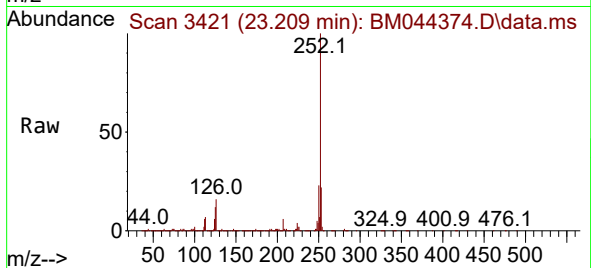
Tgt Ion:252 Resp: 2369663

Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

125 11.9 9.8 14.8



#91

Benzo(k)fluoranthene

Concen: 41.072 ng/ul

RT: 23.256 min Scan# 3429

Delta R.T. 0.006 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

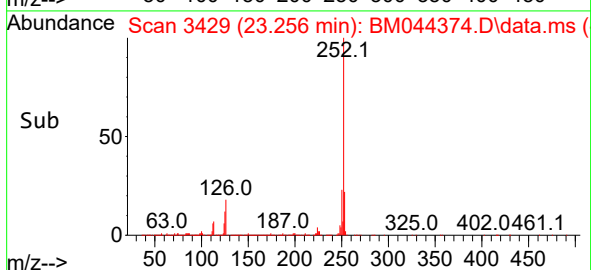
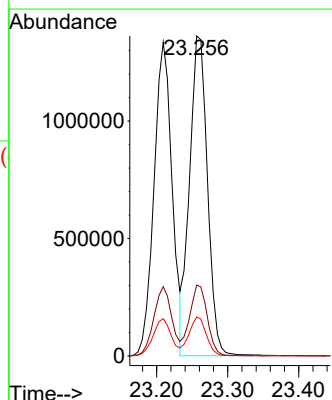
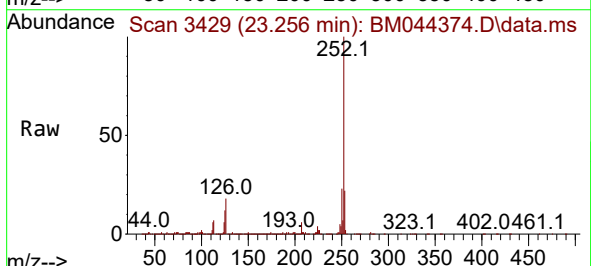
Tgt Ion:252 Resp: 2388867

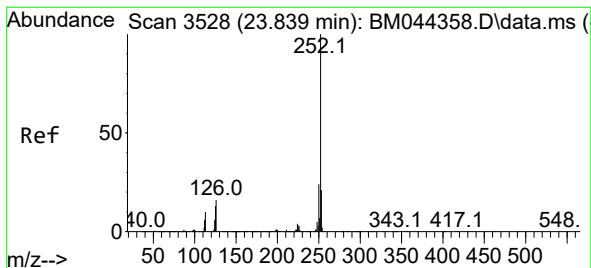
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

125 12.1 9.4 14.2





#93

Benzo(a)pyrene

Concen: 40.884 ng/ul

RT: 23.839 min Scan# 3

Delta R.T. 0.012 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

Instrument :

BNA_M

ClientSampleId :

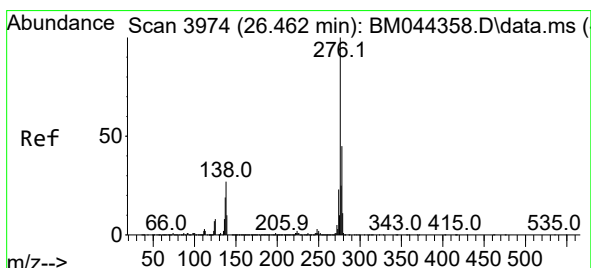
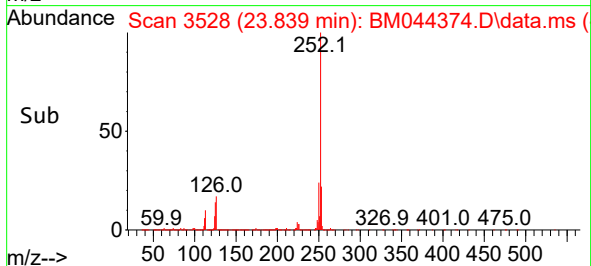
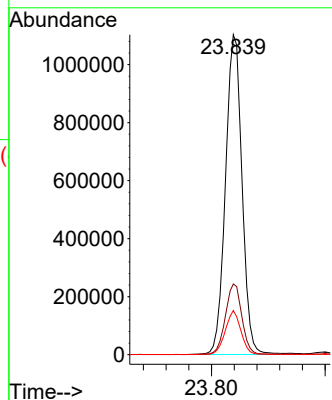
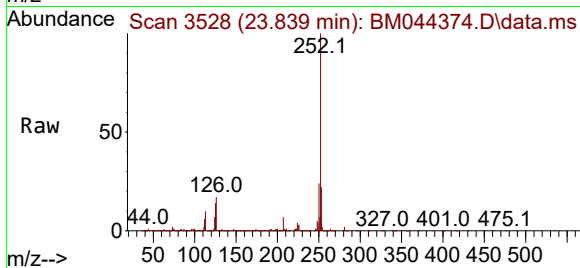
Tgt Ion:252 Resp: 2232173

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

125 13.8 10.8 16.2



#94

Indeno(1,2,3-cd)pyrene

Concen: 40.346 ng/ul

RT: 26.468 min Scan# 3975

Delta R.T. 0.024 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

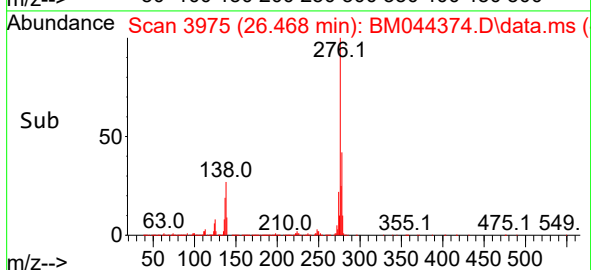
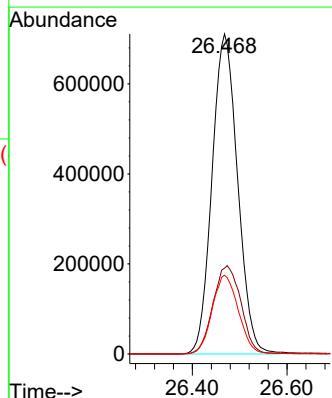
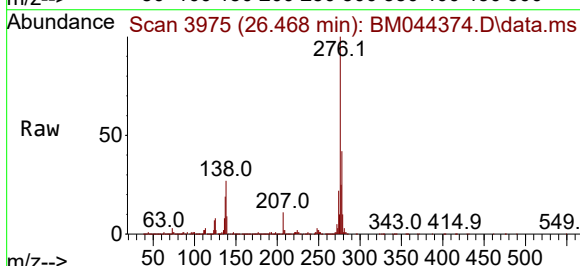
Tgt Ion:276 Resp: 2663868

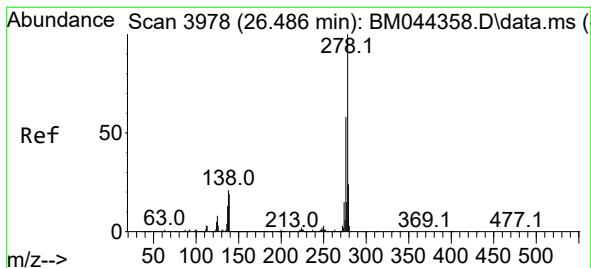
Ion Ratio Lower Upper

276 100

138 26.8 22.1 33.1

277 24.6 19.9 29.9





#95

Dibenzo(a,h)anthracene

Concen: 40.638 ng/ul

RT: 26.497 min Scan# 3978

Delta R.T. 0.024 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

Instrument :

BNA_M

ClientSampleId :

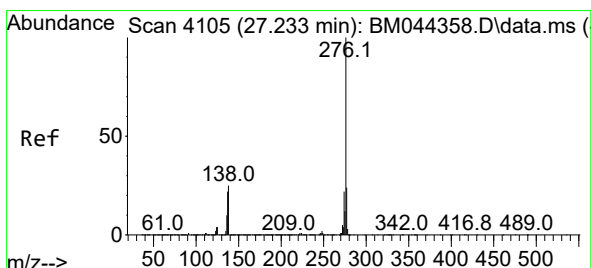
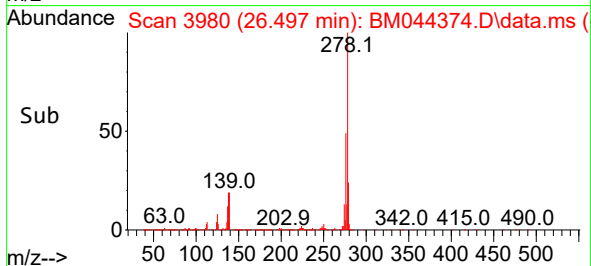
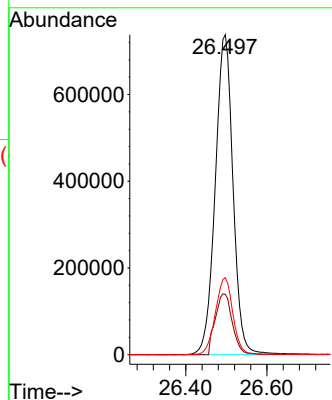
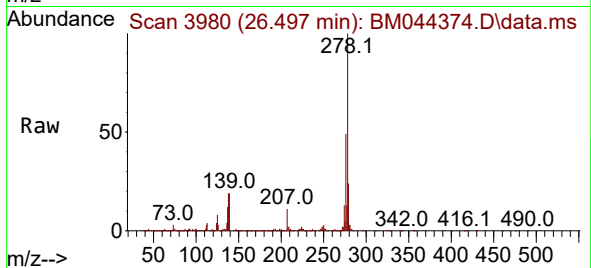
Tgt Ion:278 Resp: 2242189

Ion Ratio Lower Upper

278 100

139 18.8 14.9 22.3

279 24.1 19.5 29.3



#96

Benzo(g,h,i)perylene

Concen: 40.217 ng/ul

RT: 27.238 min Scan# 4106

Delta R.T. 0.024 min

Lab File: BM044374.D

Acq: 27 Feb 2024 19:33

Tgt Ion:276 Resp: 2147910

Ion Ratio Lower Upper

276 100

138 25.8 21.6 32.4

277 23.4 18.5 27.7

