

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
 Data File : BM050056.D
 Acq On : 30 Apr 2025 22:36
 Operator : RC/JU
 Sample : PB167767BS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB167767BS

Quant Time: May 01 02:20:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	260866	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	920346	20.000	ng	0.00
39) Acenaphthene-d10	14.404	164	574035	20.000	ng	0.00
64) Phenanthrene-d10	17.151	188	1043099	20.000	ng	0.00
76) Chrysene-d12	21.391	240	1009737	20.000	ng	0.00
86) Perylene-d12	24.391	264	991820	20.000	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	2098207	140.843	ng	0.00
7) Phenol-d6	6.951	99	2615518	139.686	ng	0.00
23) Nitrobenzene-d5	8.922	82	1533365	82.098	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	1137256	133.986	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	3983085	82.084	ng	0.00
79) Terphenyl-d14	19.780	244	5764733	84.481	ng	0.00

Target Compounds					Qvalue
2) 1,4-Dioxane	3.251	88	237525	37.185	ng 98
3) Pyridine	3.651	79	678186	41.323	ng 98
4) n-Nitrosodimethylamine	3.563	42	305418	47.449	ng 98
6) Aniline	7.092	93	617055	26.098	ng 97
8) 2-Chlorophenol	7.334	128	751625	46.663	ng 97
9) Benzaldehyde	6.904	77	344655	27.506	ng 97
10) Phenol	6.975	94	928848	49.002	ng 99
11) bis(2-Chloroethyl)ether	7.187	93	711509	44.953	ng 98
12) 1,3-Dichlorobenzene	7.651	146	854098	43.896	ng 99
13) 1,4-Dichlorobenzene	7.798	146	856737	43.829	ng 100
14) 1,2-Dichlorobenzene	8.116	146	826088	43.750	ng 99
15) Benzyl Alcohol	8.010	79	605258	46.612	ng 97
16) 2,2'-oxybis(1-Chloropr...	8.286	45	893644	46.447	ng 99
17) 2-Methylphenol	8.222	107	589021	47.170	ng 99
18) Hexachloroethane	8.839	117	308862	44.449	ng 99
19) n-Nitroso-di-n-propyla...	8.569	70	549741	45.778	ng 98
20) 3+4-Methylphenols	8.551	107	790108	46.853	ng 97
22) Acetophenone	8.586	105	1063173	46.465	ng # 98
24) Nitrobenzene	8.963	77	768278	47.573	ng 98
25) Isophorone	9.492	82	1411637	44.339	ng 98
26) 2-Nitrophenol	9.675	139	382022	46.304	ng 97
27) 2,4-Dimethylphenol	9.745	122	646030	47.217	ng 97
28) bis(2-Chloroethoxy)met...	9.969	93	898260	45.648	ng 99
29) 2,4-Dichlorophenol	10.222	162	719948	46.970	ng 99
30) 1,2,4-Trichlorobenzene	10.422	180	845617	45.281	ng 100
31) Naphthalene	10.604	128	2110306	45.277	ng 100
32) Benzoic acid	9.916	122	383214	43.793	ng 99
33) 4-Chloroaniline	10.733	127	249272	13.048	ng 97
34) Hexachlorobutadiene	10.892	225	531684	44.852	ng 99
35) Caprolactam	11.522	113	178963	40.044	ng 91
36) 4-Chloro-3-methylphenol	11.863	107	629705	44.467	ng 97
37) 2-Methylnaphthalene	12.221	142	1385260	44.330	ng 99
38) 1-Methylnaphthalene	12.439	142	1459600	44.137	ng 100
40) 1,2,4,5-Tetrachloroben...	12.592	216	951841	47.900	ng 98
41) Hexachlorocyclopentadiene	12.574	237	1333070	109.773	ng 99
43) 2,4,6-Trichlorophenol	12.845	196	595553	47.252	ng 99

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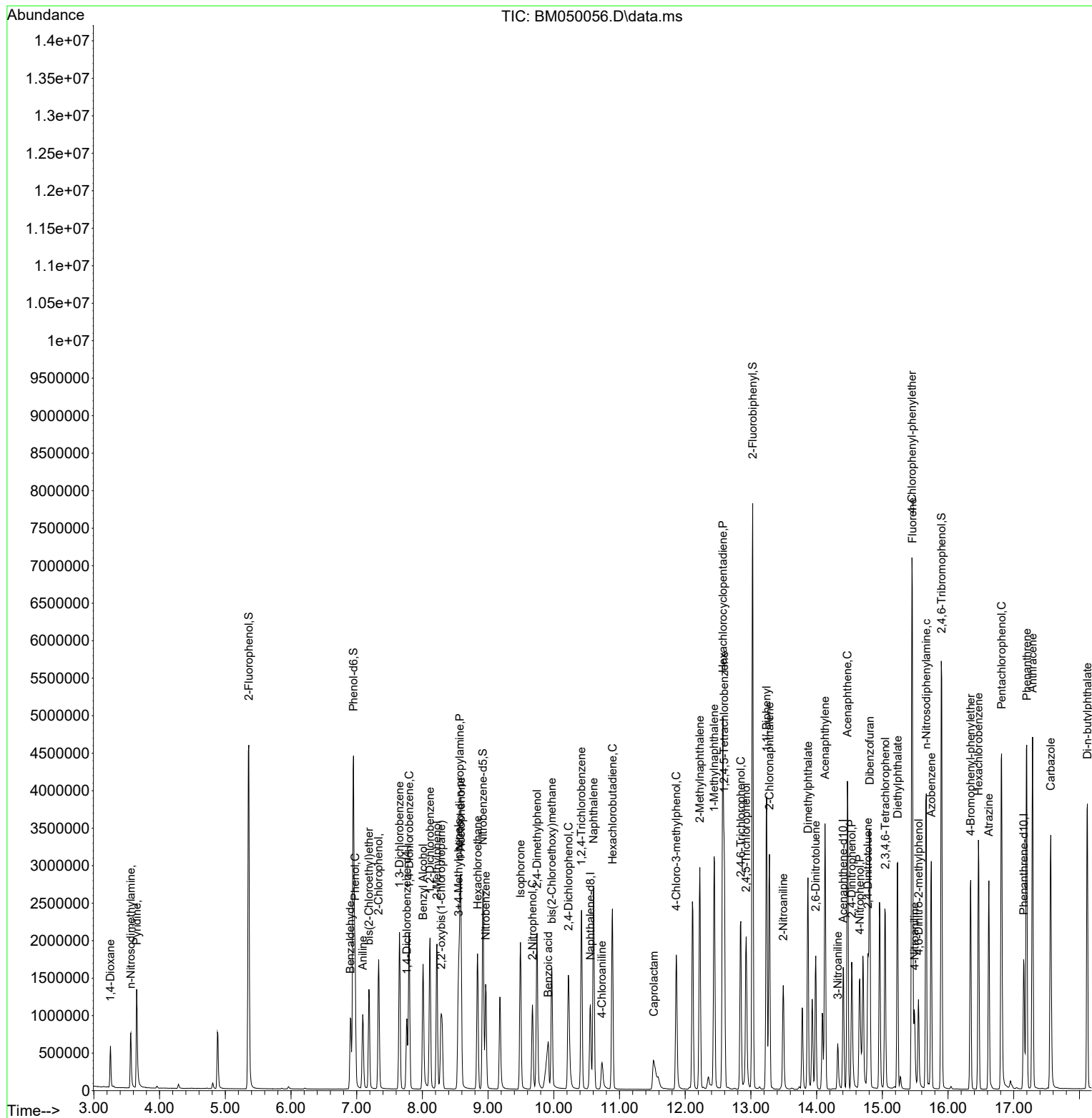
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.927	196	645088	47.463	ng	98
46) 1,1'-Biphenyl	13.239	154	2001051	46.895	ng	99
47) 2-Chloronaphthalene	13.280	162	1578759	46.715	ng	100
48) 2-Nitroaniline	13.492	65	381610	48.111	ng	94
49) Acenaphthylene	14.127	152	2446083	45.906	ng	100
50) Dimethylphthalate	13.868	163	1848756	44.069	ng	99
51) 2,6-Dinitrotoluene	13.986	165	391102	45.028	ng	94
52) Acenaphthene	14.468	154	1428392	46.311	ng	99
53) 3-Nitroaniline	14.321	138	168224	20.286	ng	96
54) 2,4-Dinitrophenol	14.533	184	462686	83.005	ng	94
55) Dibenzofuran	14.810	168	2314511	45.103	ng	99
56) 4-Nitrophenol	14.657	139	591638	87.262	ng	95
57) 2,4-Dinitrotoluene	14.780	165	546027	45.495	ng	98
58) Fluorene	15.457	166	1957695	46.608	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.045	232	525931	44.704	ng	99
60) Diethylphthalate	15.233	149	1728526	43.728	ng	99
61) 4-Chlorophenyl-phenyle...	15.451	204	1073517	46.531	ng	100
62) 4-Nitroaniline	15.492	138	334232	41.776	ng	97
63) Azobenzene	15.745	77	1570210	47.397	ng	99
65) 4,6-Dinitro-2-methylph...	15.551	198	296541	45.416	ng	94
66) n-Nitrosodiphenylamine	15.668	169	1568744	48.976	ng	99
67) 4-Bromophenyl-phenylether	16.345	248	598749	47.467	ng	98
68) Hexachlorobenzene	16.462	284	687532	47.285	ng	99
69) Atrazine	16.621	200	535442	46.343	ng	100
70) Pentachlorophenol	16.815	266	898093	109.731	ng	99
71) Phenanthrene	17.198	178	2812828	47.811	ng	99
72) Anthracene	17.286	178	2854263	47.941	ng	99
73) Carbazole	17.562	167	2385066	46.165	ng	100
74) Di-n-butylphthalate	18.121	149	2828360	45.971	ng	100
75) Fluoranthene	19.215	202	3152095	45.635	ng	100
77) Benzidine	19.403	184	1014430	28.283	ng	100
78) Pyrene	19.574	202	3260859	45.988	ng	100
80) Butylbenzylphthalate	20.468	149	1187182	44.703	ng	91
81) Benzo(a)anthracene	21.374	228	3291107	47.331	ng	100
82) 3,3'-Dichlorobenzidine	21.297	252	595613	22.376	ng	99
83) Chrysene	21.439	228	3026421	47.027	ng	99
84) Bis(2-ethylhexyl)phtha...	21.291	149	1774890	44.744	ng	99
85) Di-n-octyl phthalate	22.421	149	2943736	44.999	ng	98
87) Indeno(1,2,3-cd)pyrene	27.785	276	3802462	51.452	ng	99
88) Benzo(b)fluoranthene	23.444	252	3072621	47.637	ng	99
89) Benzo(k)fluoranthene	23.503	252	3071354	47.074	ng	99
90) Benzo(a)pyrene	24.250	252	2881740	47.701	ng	99
91) Dibenzo(a,h)anthracene	27.826	278	3128406	51.930	ng	99
92) Benzo(g,h,i)perylene	28.838	276	2984145	51.741	ng	98

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

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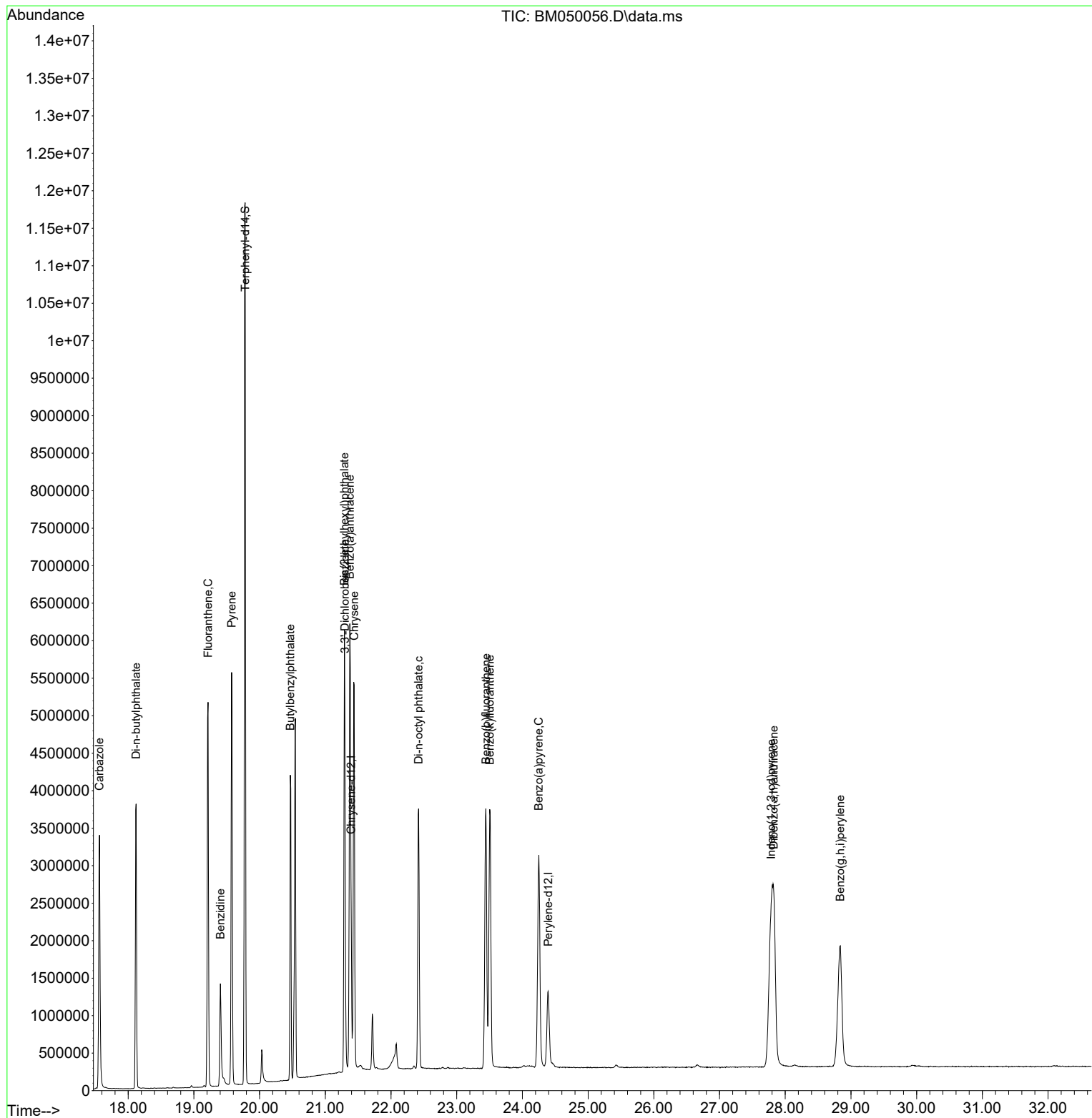
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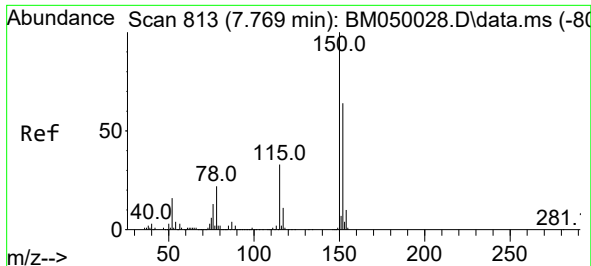


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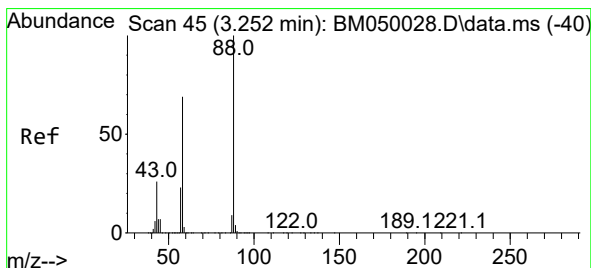
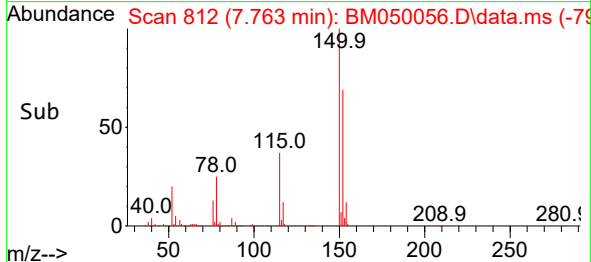
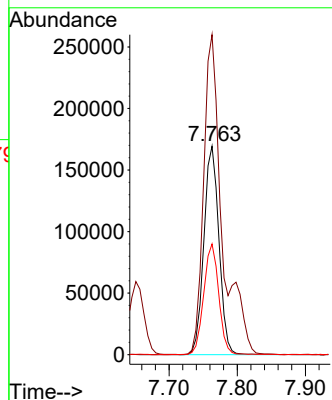
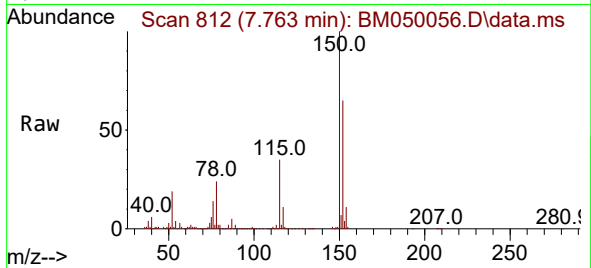




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 813
Delta R.T. -0.006 min
Lab File: BM050056.D
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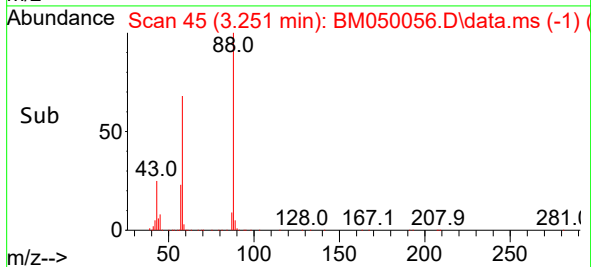
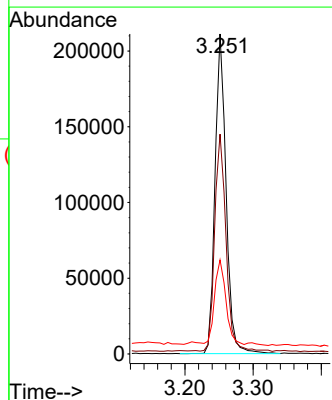
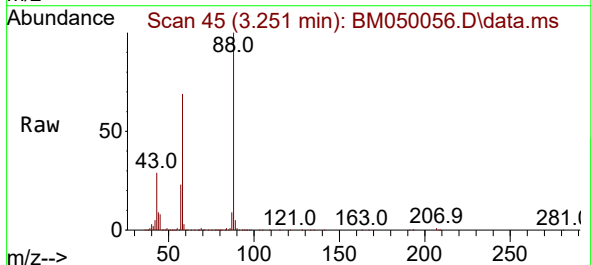
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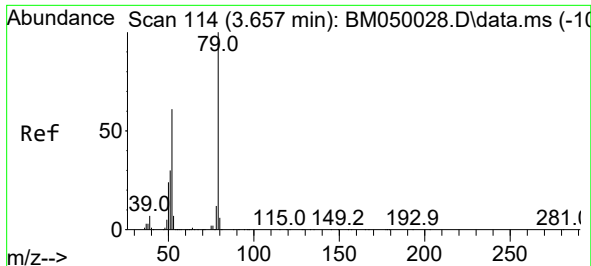
Tgt Ion:152 Resp: 260866
Ion Ratio Lower Upper
152 100
150 153.5 124.1 186.1
115 53.1 41.2 61.8



#2
1,4-Dioxane
Concen: 37.185 ng
RT: 3.251 min Scan# 45
Delta R.T. -0.000 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion: 88 Resp: 237525
Ion Ratio Lower Upper
88 100
58 70.1 55.1 82.7
43 27.6 20.9 31.3

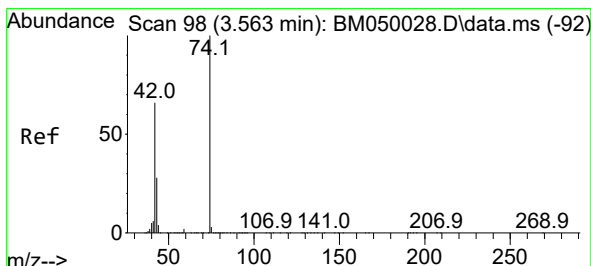
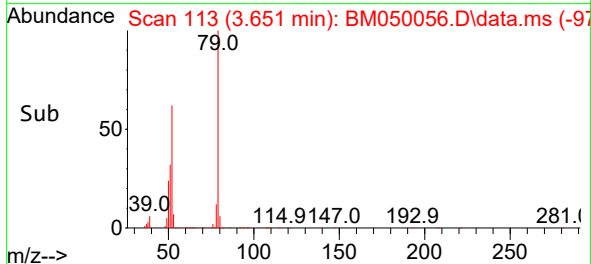
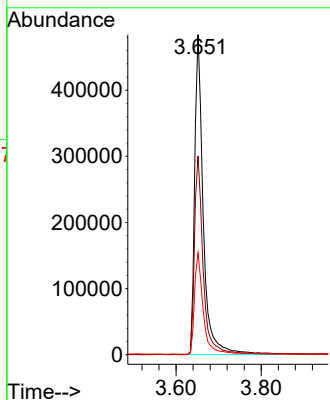
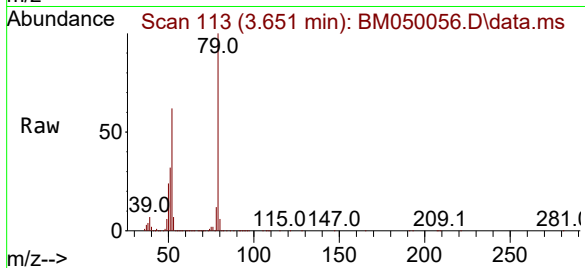




#3
Pyridine
Concen: 41.323 ng
RT: 3.651 min Scan# 114
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

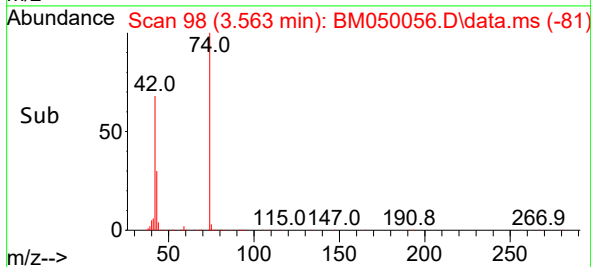
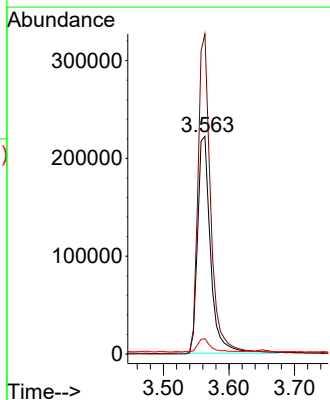
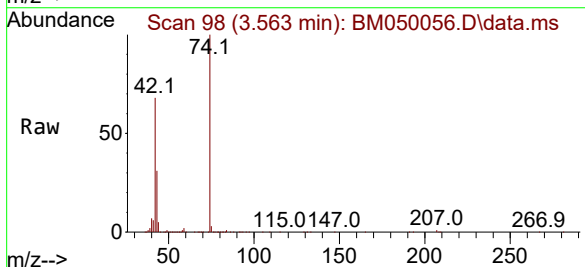
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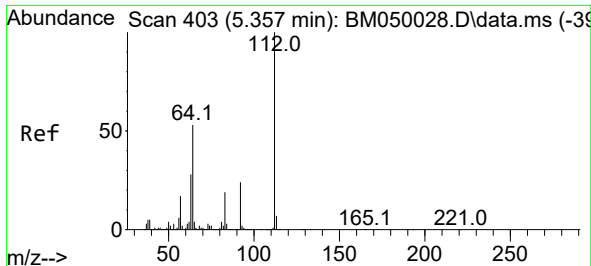
Tgt Ion: 79 Resp: 678186
Ion Ratio Lower Upper
79 100
52 62.0 48.6 72.8
51 31.8 24.6 37.0



#4
n-Nitrosodimethylamine
Concen: 47.449 ng
RT: 3.563 min Scan# 98
Delta R.T. -0.000 min
Lab File: BM050056.D
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Tgt Ion: 42 Resp: 305418
Ion Ratio Lower Upper
42 100
74 147.1 120.2 180.2
44 7.0 6.2 9.2

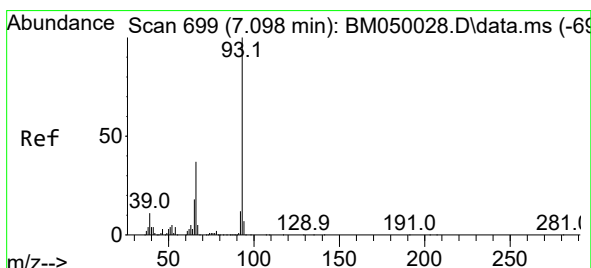
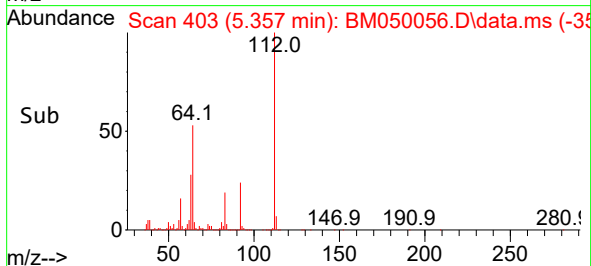
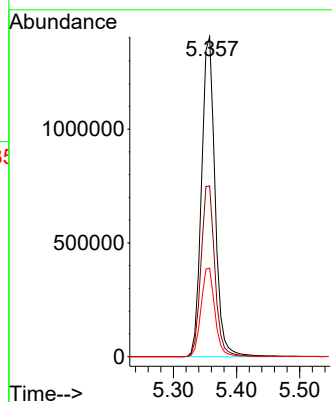
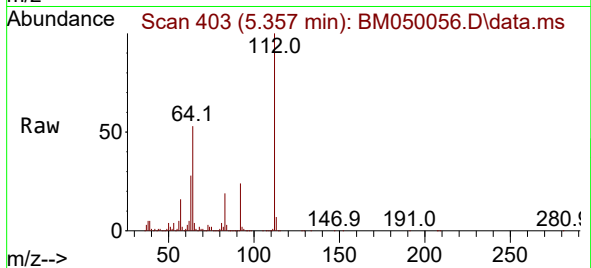




#5
2-Fluorophenol
Concen: 140.843 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.000 min
Lab File: BM050056.D
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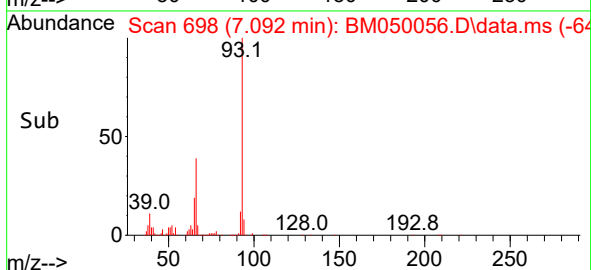
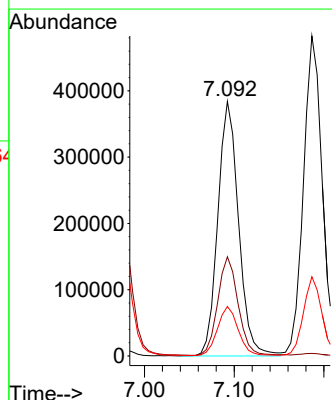
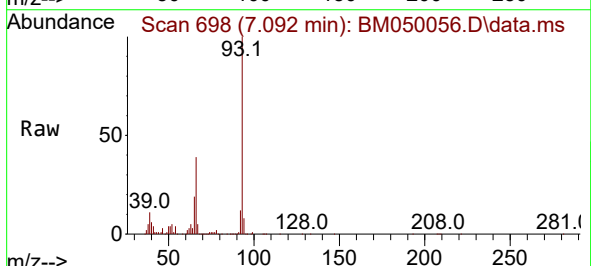
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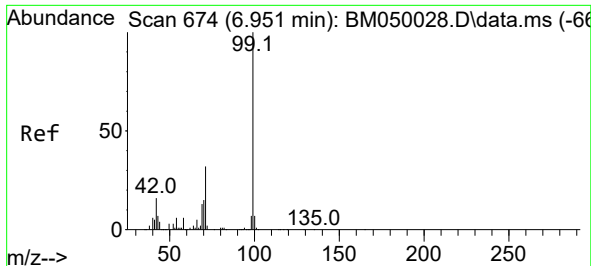
Tgt Ion:112 Resp: 2098207
Ion Ratio Lower Upper
112 100
64 53.4 42.6 64.0
63 27.6 22.2 33.4



#6
Aniline
Concen: 26.098 ng
RT: 7.092 min Scan# 698
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion: 93 Resp: 617055
Ion Ratio Lower Upper
93 100
66 39.0 29.9 44.9
65 19.4 14.5 21.7

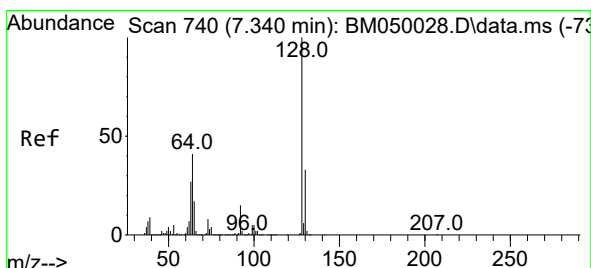
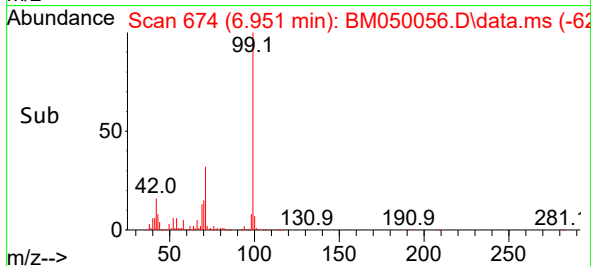
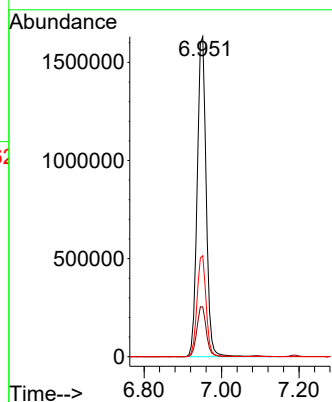
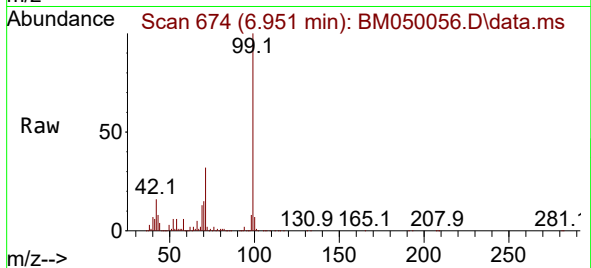




#7
Phenol-d6
Concen: 139.686 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM050056.D
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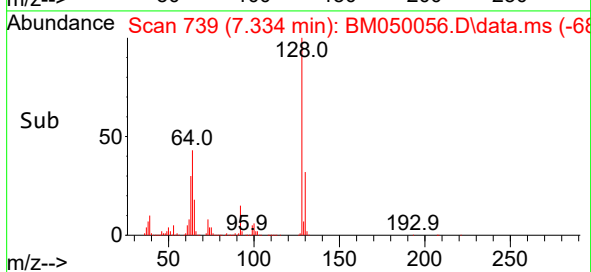
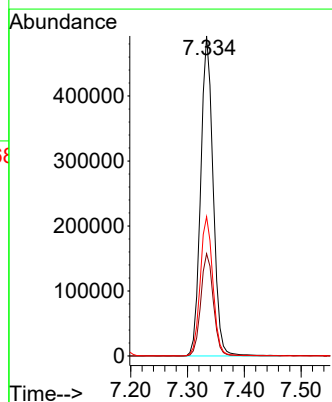
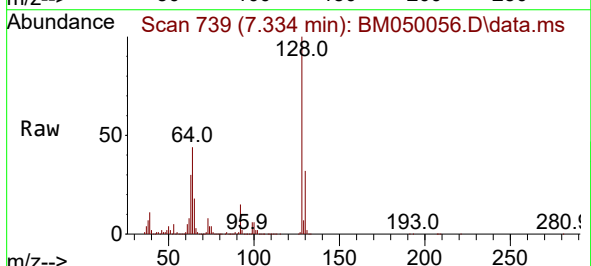
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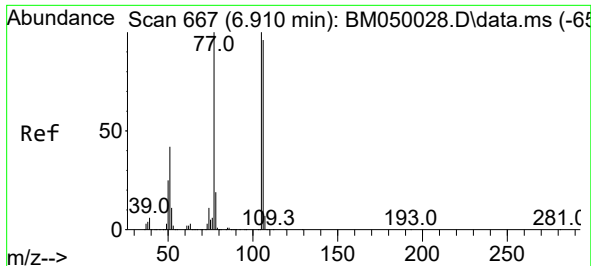
Tgt Ion: 99 Resp: 2615518
Ion Ratio Lower Upper
99 100
42 15.5 13.0 19.4
71 31.5 25.6 38.4



#8
2-Chlorophenol
Concen: 46.663 ng
RT: 7.334 min Scan# 739
Delta R.T. -0.006 min
Lab File: BM050056.D
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Tgt Ion:128 Resp: 751625
Ion Ratio Lower Upper
128 100
130 31.9 12.8 52.8
64 43.5 21.2 61.2

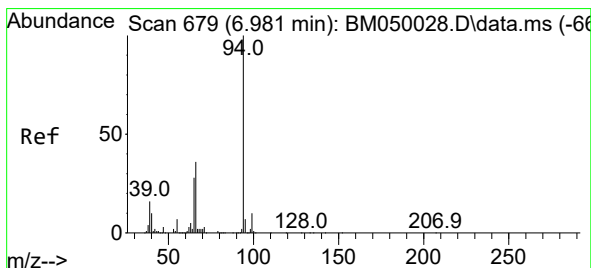
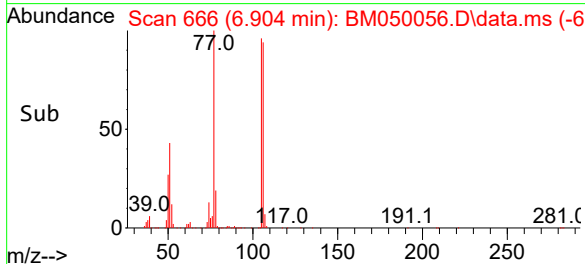
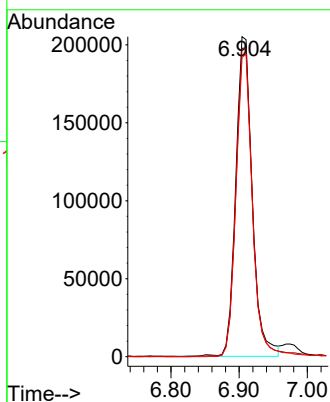
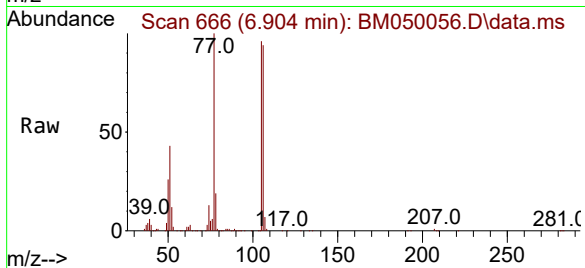




#9
Benzaldehyde
Concen: 27.506 ng
RT: 6.904 min Scan# 666
Delta R.T. -0.006 min
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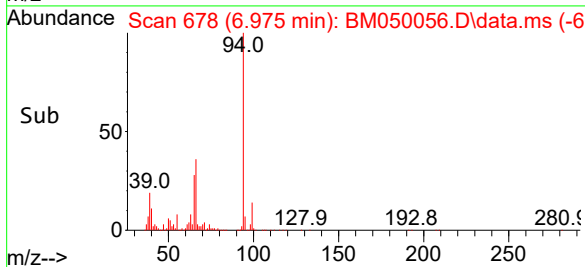
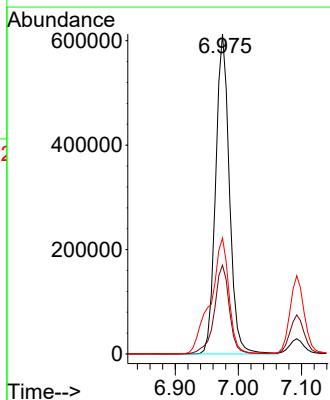
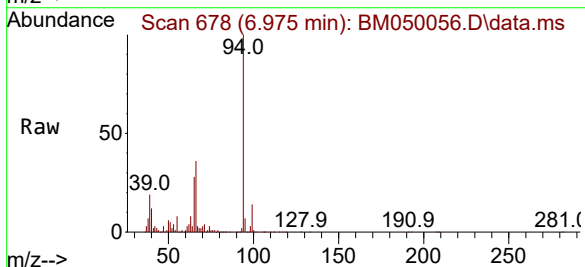
Instrument :
BNA_M
ClientSampleId :
PB167767BS

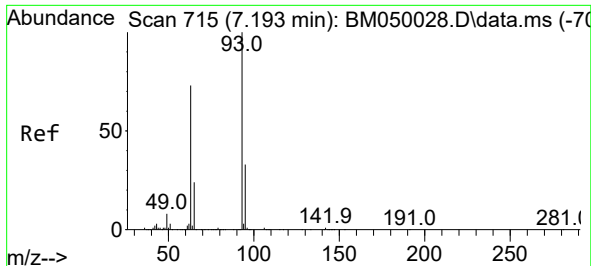
Tgt Ion: 77 Resp: 344655
Ion Ratio Lower Upper
77 100
105 96.4 80.5 120.5
106 93.5 76.1 116.1



#10
Phenol
Concen: 49.002 ng
RT: 6.975 min Scan# 678
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion: 94 Resp: 928848
Ion Ratio Lower Upper
94 100
65 27.7 7.6 47.6
66 36.3 15.8 55.8

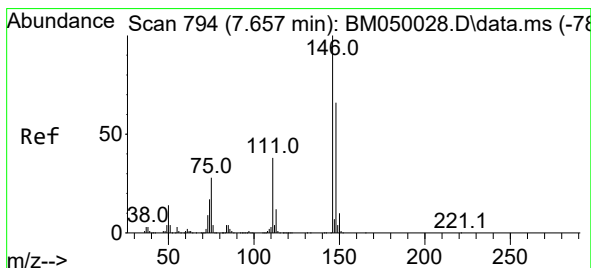
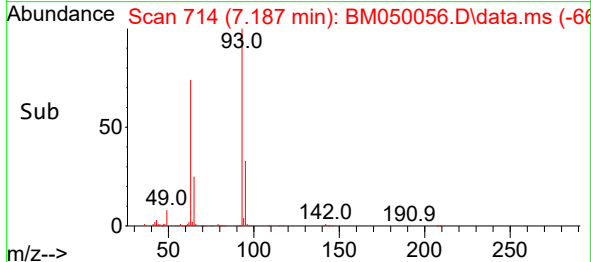
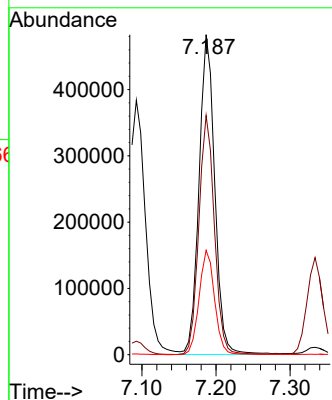
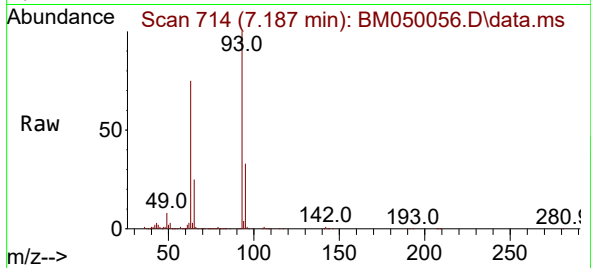




#11
bis(2-Chloroethyl)ether
Concen: 44.953 ng
RT: 7.187 min Scan# 714
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

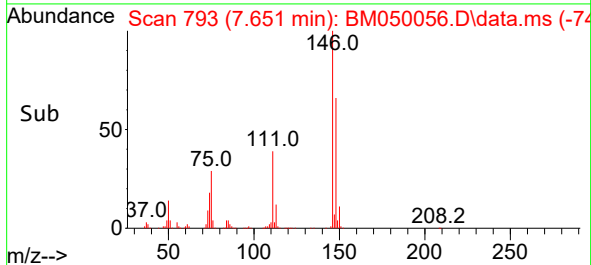
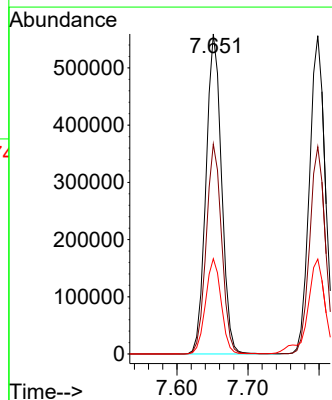
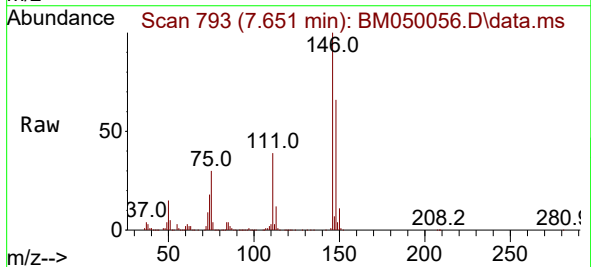
Instrument :
BNA_M
ClientSampleId :
PB167767BS

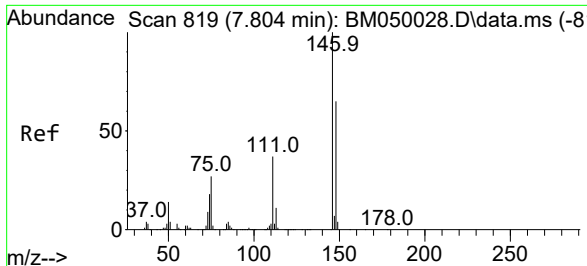
Tgt Ion: 93 Resp: 711509
Ion Ratio Lower Upper
93 100
63 74.8 52.3 92.3
95 32.6 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 43.896 ng
RT: 7.651 min Scan# 793
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:146 Resp: 854098
Ion Ratio Lower Upper
146 100
148 65.6 52.5 78.7
75 29.7 22.6 34.0

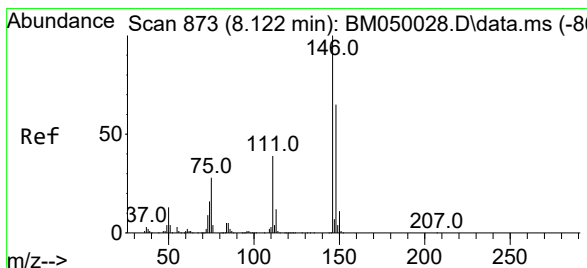
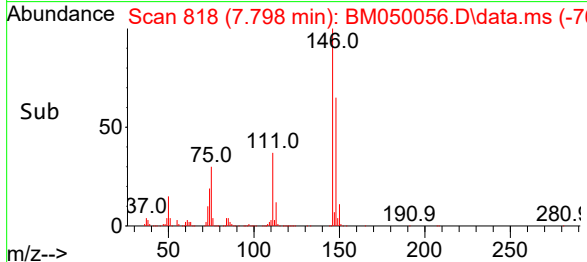
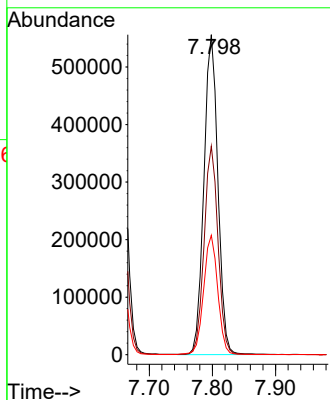
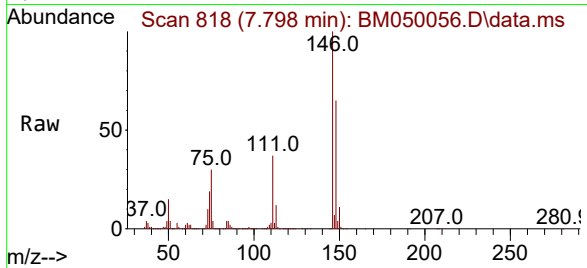




#13
1,4-Dichlorobenzene
Concen: 43.829 ng
RT: 7.798 min Scan# 819
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

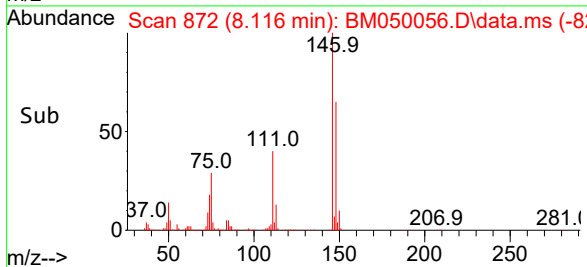
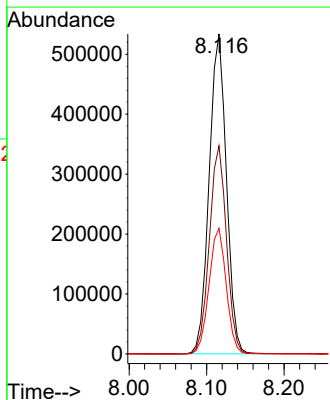
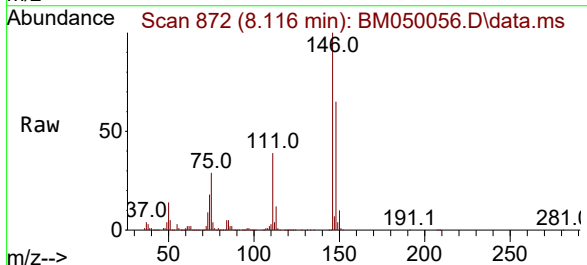
Instrument :
BNA_M
ClientSampleId :
PB167767BS

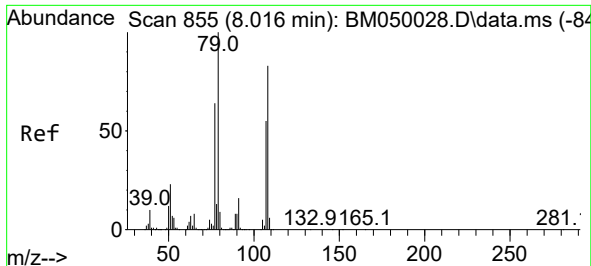
Tgt Ion:146 Resp: 856737
Ion Ratio Lower Upper
146 100
148 65.1 52.2 78.2
111 37.3 29.3 43.9



#14
1,2-Dichlorobenzene
Concen: 43.750 ng
RT: 8.116 min Scan# 872
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:146 Resp: 826088
Ion Ratio Lower Upper
146 100
148 65.0 52.4 78.6
111 39.3 31.0 46.6

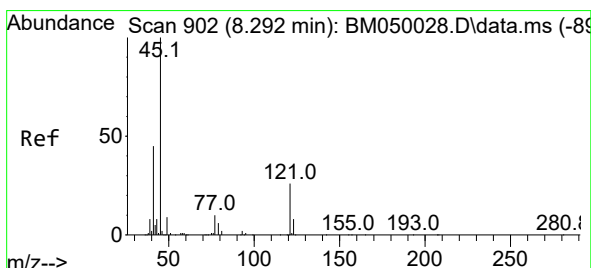
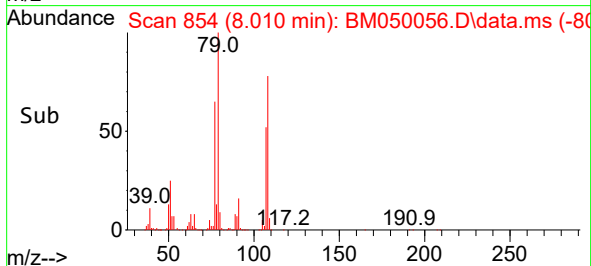
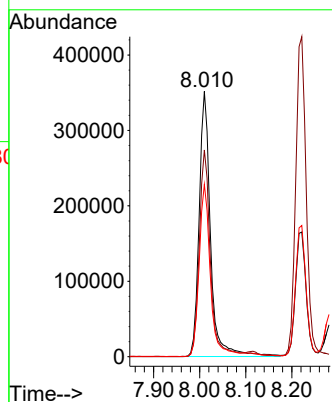
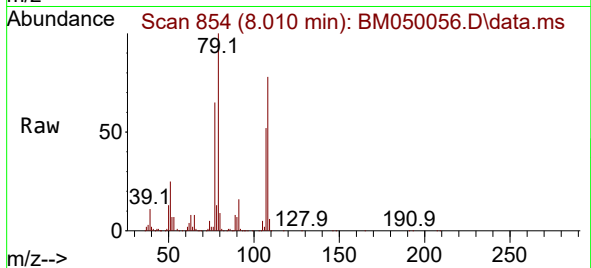




#15
Benzyl Alcohol
Concen: 46.612 ng
RT: 8.010 min Scan# 855
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

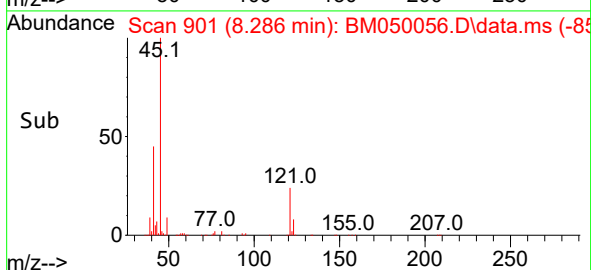
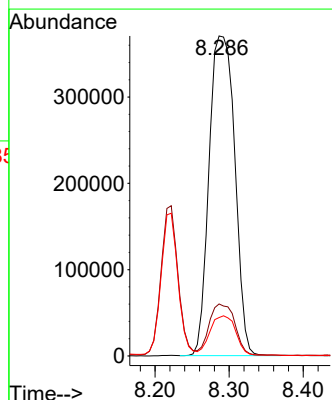
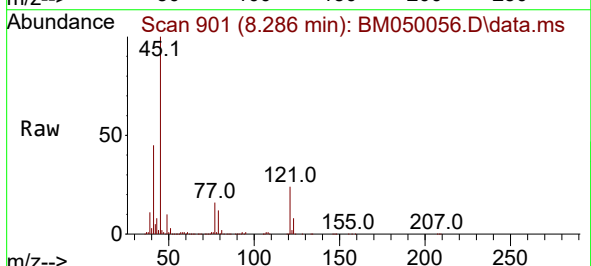
Instrument :
BNA_M
ClientSampleId :
PB167767BS

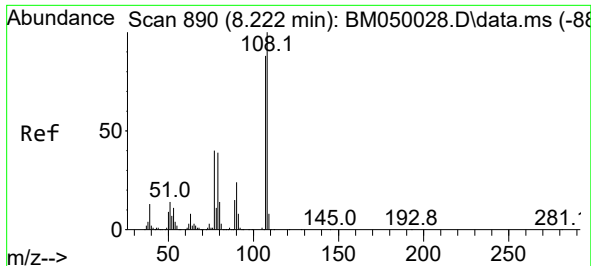
Tgt Ion: 79 Resp: 605258
Ion Ratio Lower Upper
79 100
108 77.9 66.0 99.0
77 64.9 51.6 77.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.447 ng
RT: 8.286 min Scan# 901
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion: 45 Resp: 893644
Ion Ratio Lower Upper
45 100
77 16.3 0.0 36.4
79 12.0 0.0 32.7



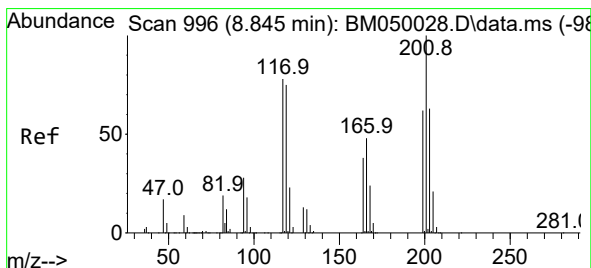
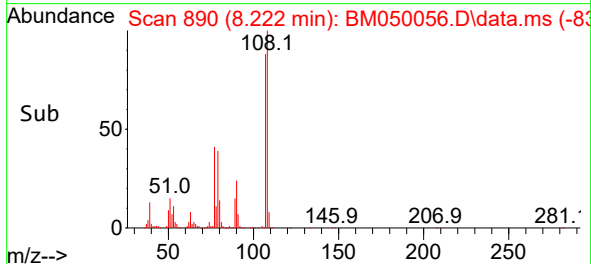
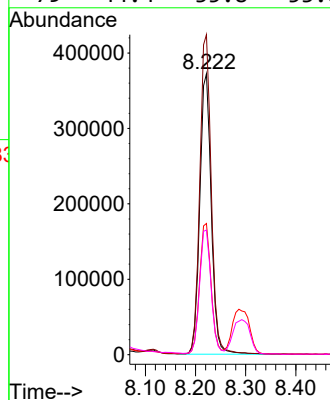
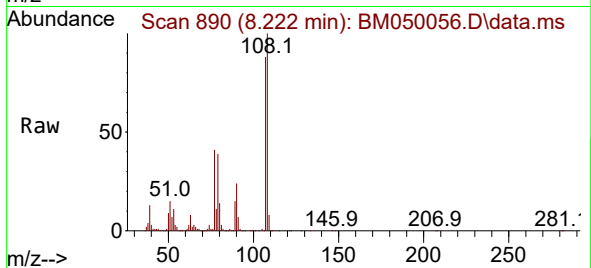


#17
2-Methylphenol
Concen: 47.170 ng
RT: 8.222 min Scan# 890
Delta R.T. -0.000 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:107 Resp: 589021

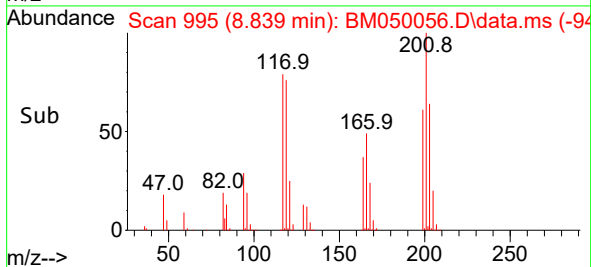
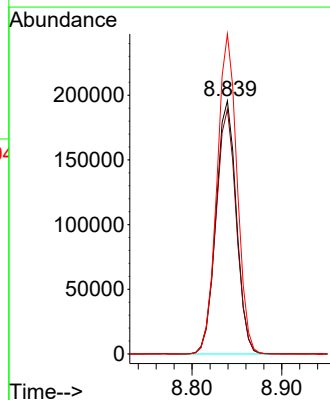
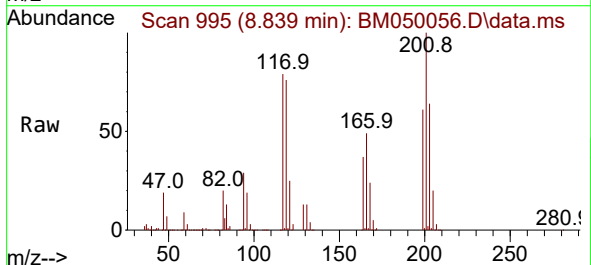
Ion	Ratio	Lower	Upper
107	100		
108	113.9	91.1	136.7
77	46.7	36.2	54.4
79	44.4	35.8	53.8

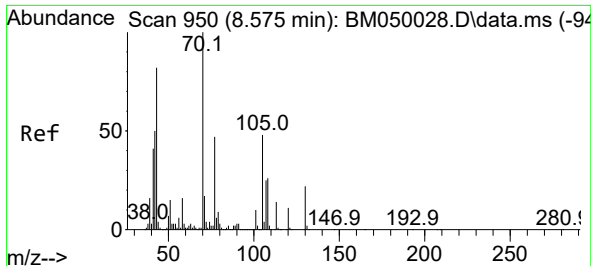


#18
Hexachloroethane
Concen: 44.449 ng
RT: 8.839 min Scan# 995
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:117 Resp: 308862

Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.3	115.9
201	126.4	102.8	154.2





#19

n-Nitroso-di-n-propylamine

Concen: 45.778 ng

RT: 8.569 min Scan# 949

Delta R.T. -0.006 min

Lab File: BM050056.D

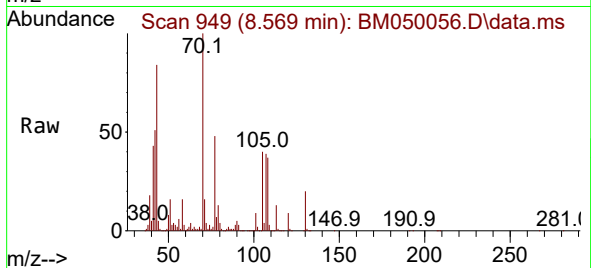
Acq: 30 Apr 2025 22:36

Instrument :

BNA_M

ClientSampleId :

PB167767BS



Tgt Ion: 70 Resp: 549741

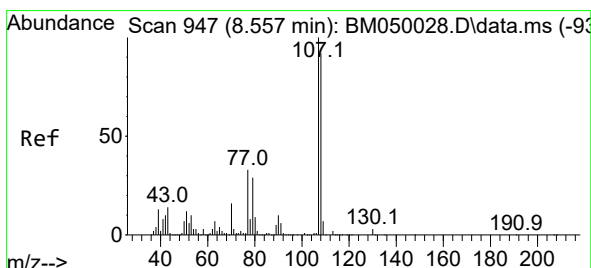
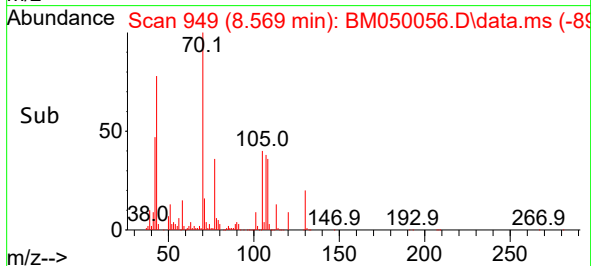
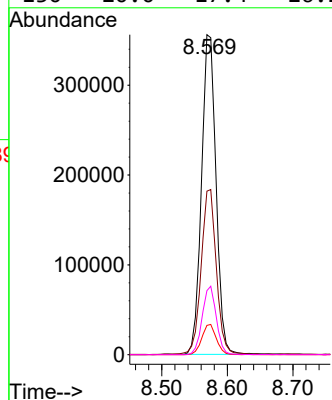
Ion Ratio Lower Upper

70 100

42 51.1 40.5 60.7

101 9.1 7.8 11.6

130 20.0 17.4 26.2



#20

3+4-Methylphenols

Concen: 46.853 ng

RT: 8.551 min Scan# 946

Delta R.T. -0.006 min

Lab File: BM050056.D

Acq: 30 Apr 2025 22:36

Tgt Ion: 107 Resp: 790108

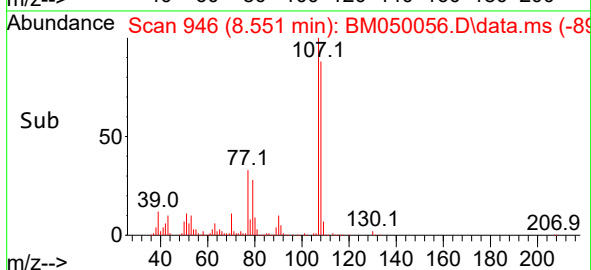
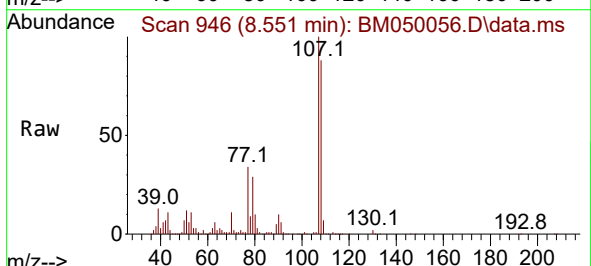
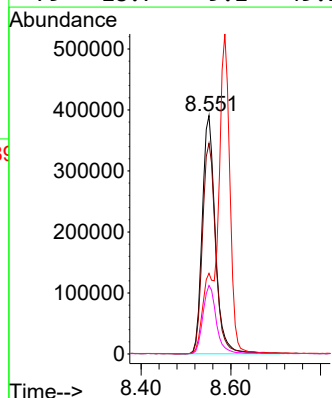
Ion Ratio Lower Upper

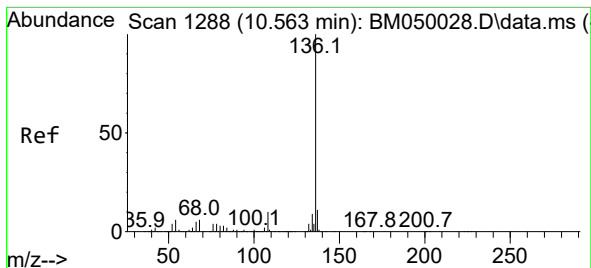
107 100

108 88.4 72.4 112.4

77 33.8 13.6 53.6

79 28.7 9.2 49.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.557 min Scan# 1287

Delta R.T. -0.006 min

Lab File: BM050056.D

Acq: 30 Apr 2025 22:36

Instrument :

BNA_M

ClientSampleId :

PB167767BS

Tgt Ion:136 Resp: 920346

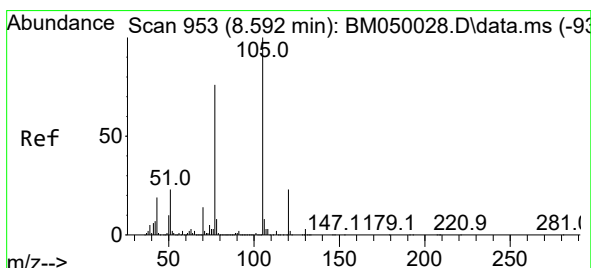
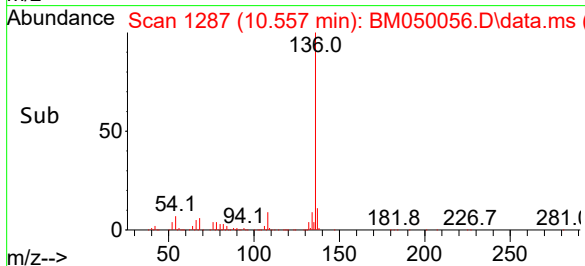
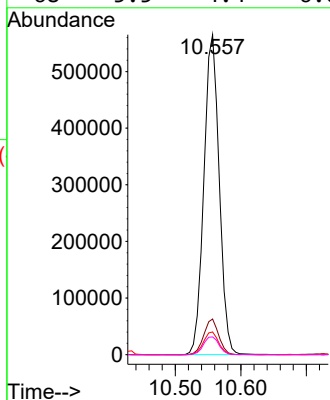
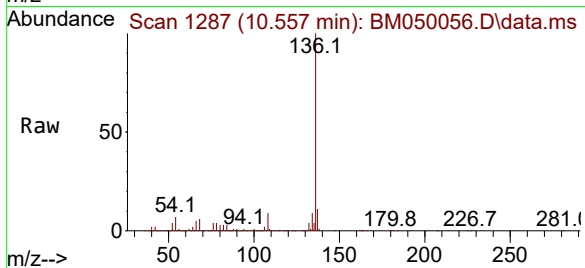
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.1 5.1 7.7

68 5.5 4.4 6.6



#22

Acetophenone

Concen: 46.465 ng

RT: 8.586 min Scan# 952

Delta R.T. -0.006 min

Lab File: BM050056.D

Acq: 30 Apr 2025 22:36

Tgt Ion:105 Resp: 1063173

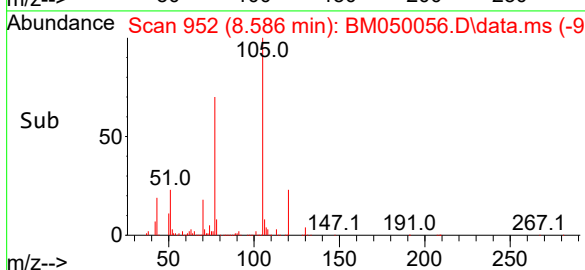
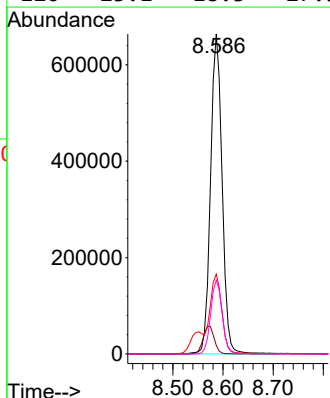
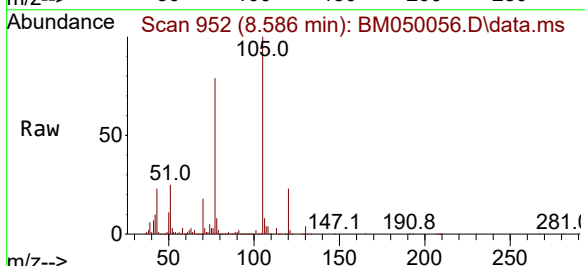
Ion Ratio Lower Upper

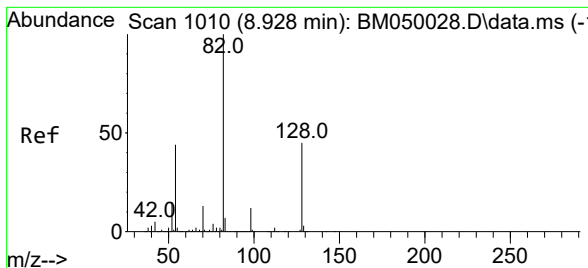
105 100

71 2.7 1.7 2.5#

51 24.9 18.6 27.8

120 23.1 18.3 27.5

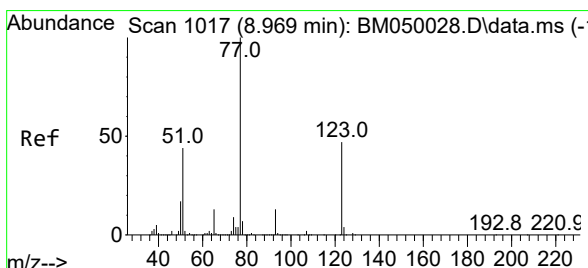
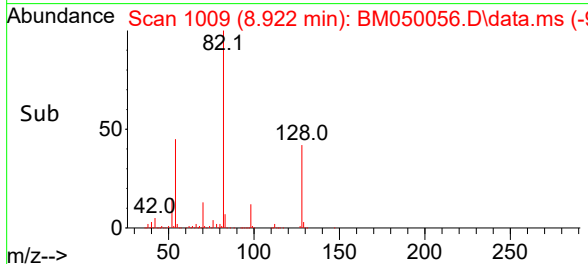
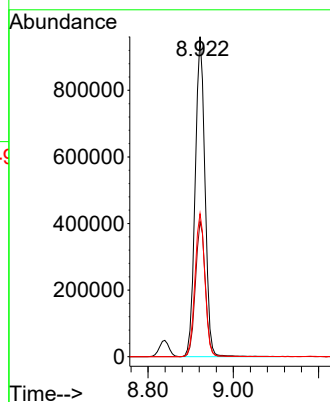
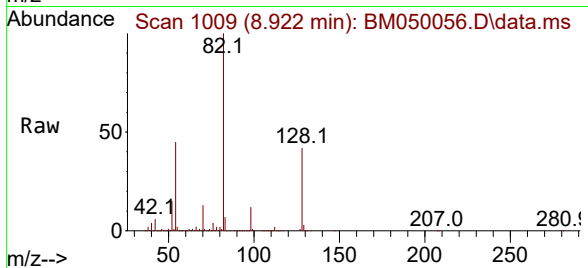




#23
Nitrobenzene-d5
Concen: 82.098 ng
RT: 8.922 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

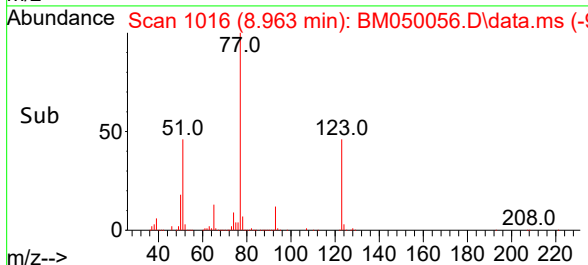
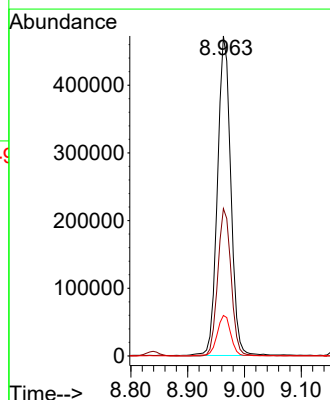
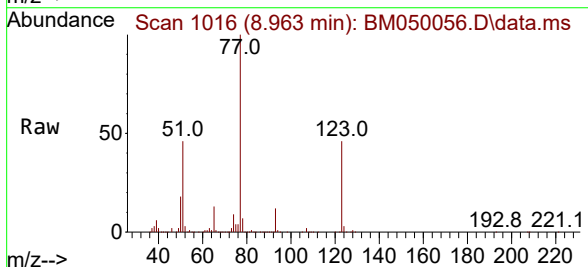
Instrument :
BNA_M
ClientSampleId :
PB167767BS

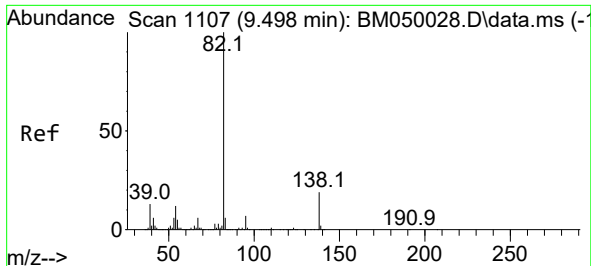
Tgt Ion: 82 Resp: 1533365
Ion Ratio Lower Upper
82 100
128 42.3 35.7 53.5
54 44.7 35.4 53.2



#24
Nitrobenzene
Concen: 47.573 ng
RT: 8.963 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion: 77 Resp: 768278
Ion Ratio Lower Upper
77 100
123 46.0 37.9 56.9
65 12.6 10.1 15.1





#25

Isophorone

Concen: 44.339 ng

RT: 9.492 min Scan# 1106

Delta R.T. -0.006 min

Lab File: BM050056.D

Acq: 30 Apr 2025 22:36

Instrument :

BNA_M

ClientSampleId :

PB167767BS

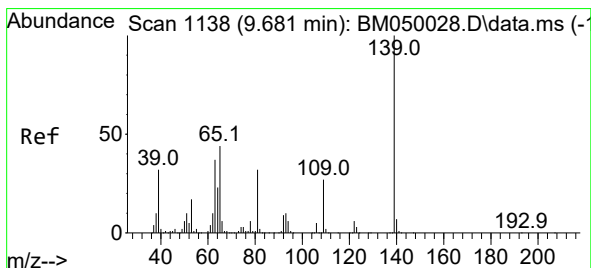
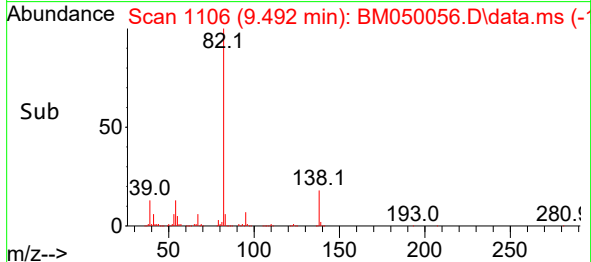
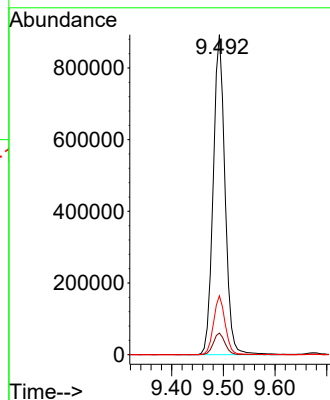
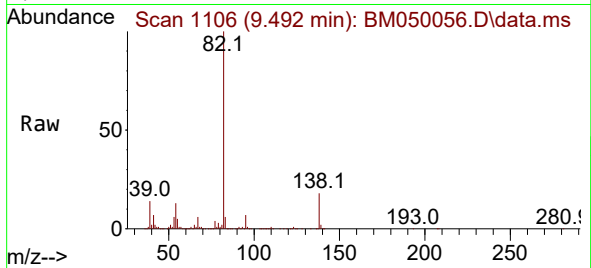
Tgt Ion: 82 Resp: 1411637

Ion Ratio Lower Upper

82 100

95 6.8 5.7 8.5

138 18.4 15.5 23.3



#26

2-Nitrophenol

Concen: 46.304 ng

RT: 9.675 min Scan# 1137

Delta R.T. -0.006 min

Lab File: BM050056.D

Acq: 30 Apr 2025 22:36

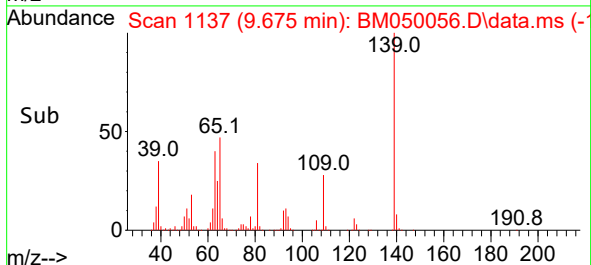
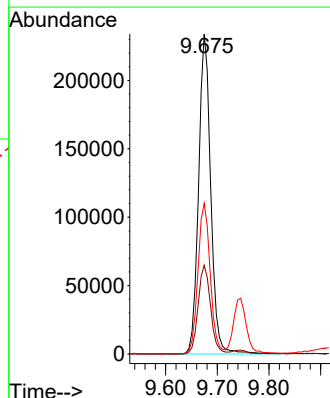
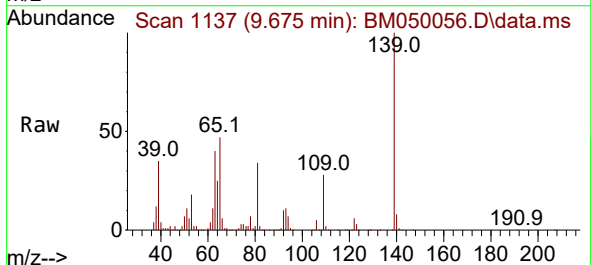
Tgt Ion:139 Resp: 382022

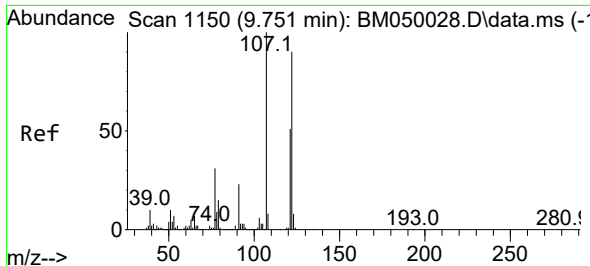
Ion Ratio Lower Upper

139 100

109 27.7 21.9 32.9

65 47.0 35.4 53.2





#27

2,4-Dimethylphenol

Concen: 47.217 ng

RT: 9.745 min Scan# 1149

Delta R.T. -0.006 min

Lab File: BM050056.D

Acq: 30 Apr 2025 22:36

Instrument :

BNA_M

ClientSampleId :

PB167767BS

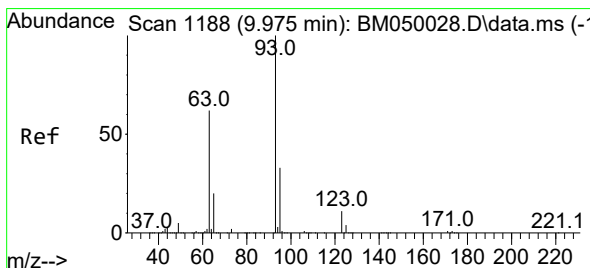
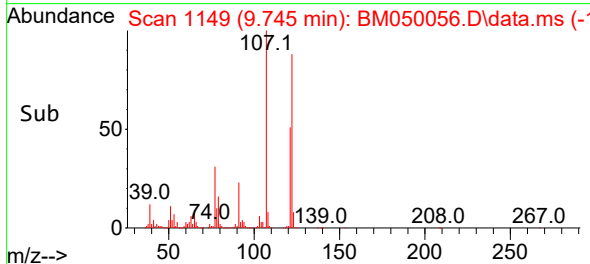
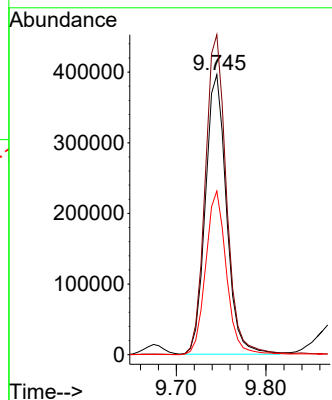
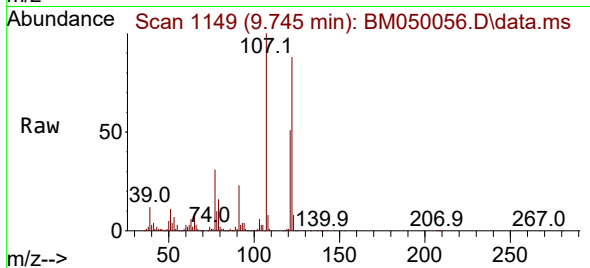
Tgt Ion:122 Resp: 646030

Ion Ratio Lower Upper

122 100

107 114.3 89.0 133.6

121 58.5 45.6 68.4



#28

bis(2-Chloroethoxy)methane

Concen: 45.648 ng

RT: 9.969 min Scan# 1187

Delta R.T. -0.006 min

Lab File: BM050056.D

Acq: 30 Apr 2025 22:36

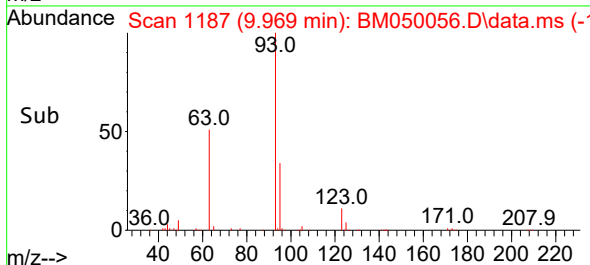
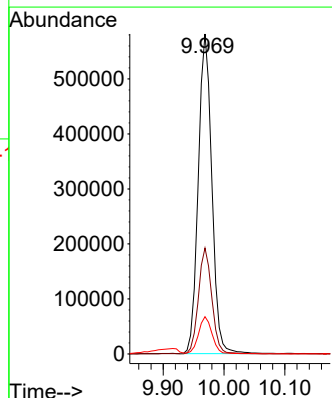
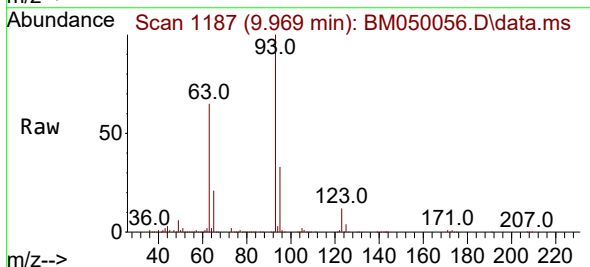
Tgt Ion: 93 Resp: 898260

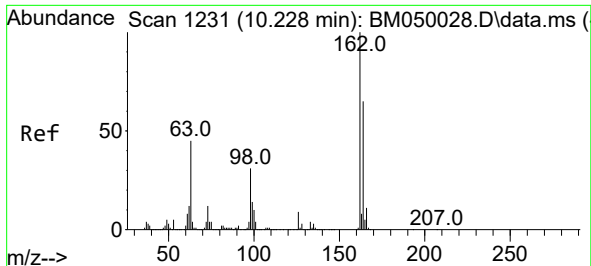
Ion Ratio Lower Upper

93 100

95 33.1 26.1 39.1

123 11.6 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 46.970 ng

RT: 10.222 min Scan# 1231

Delta R.T. -0.006 min

Lab File: BM050056.D

Acq: 30 Apr 2025 22:36

Instrument :

BNA_M

ClientSampleId :

PB167767BS

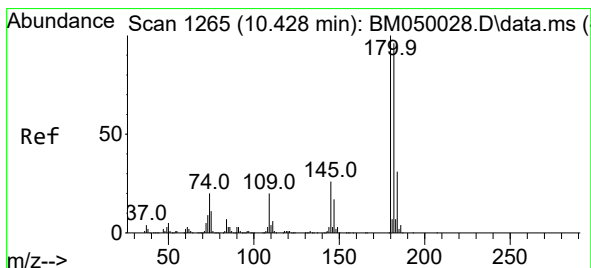
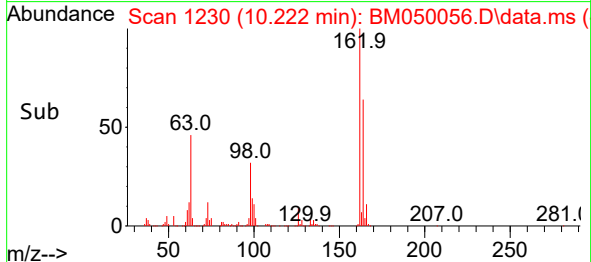
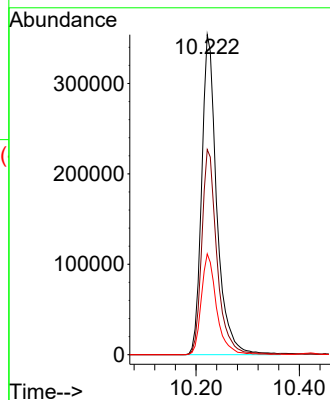
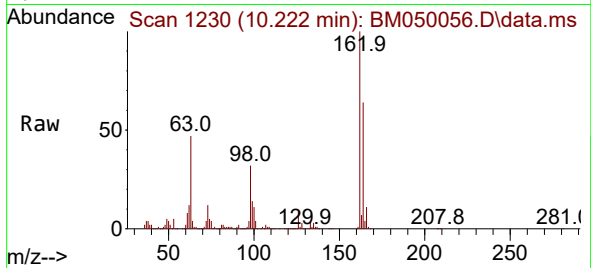
Tgt Ion:162 Resp: 719948

Ion Ratio Lower Upper

162 100

164 64.1 45.4 85.4

98 31.5 11.3 51.3



#30

1,2,4-Trichlorobenzene

Concen: 45.281 ng

RT: 10.422 min Scan# 1264

Delta R.T. -0.006 min

Lab File: BM050056.D

Acq: 30 Apr 2025 22:36

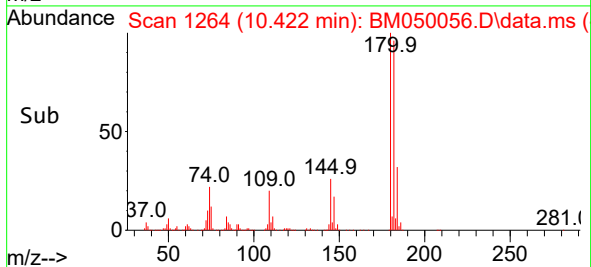
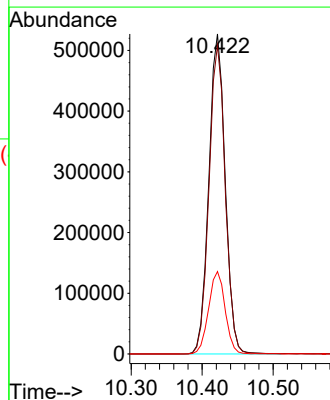
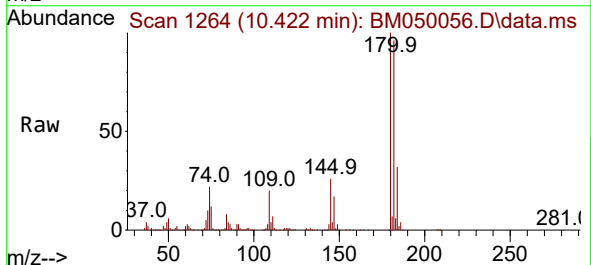
Tgt Ion:180 Resp: 845617

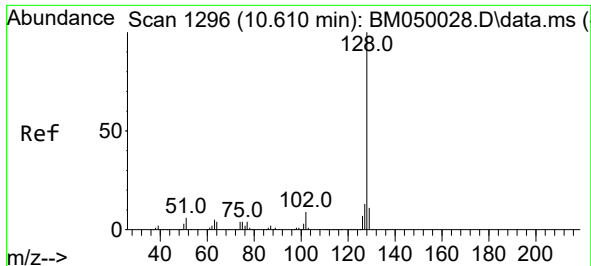
Ion Ratio Lower Upper

180 100

182 96.4 77.0 115.4

145 25.8 20.6 30.8

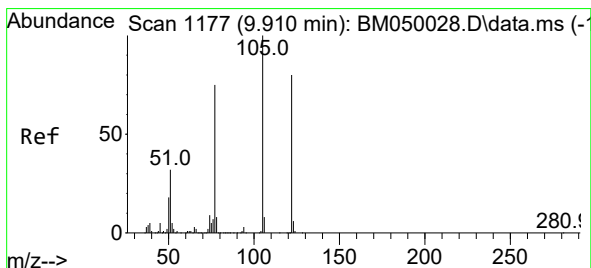
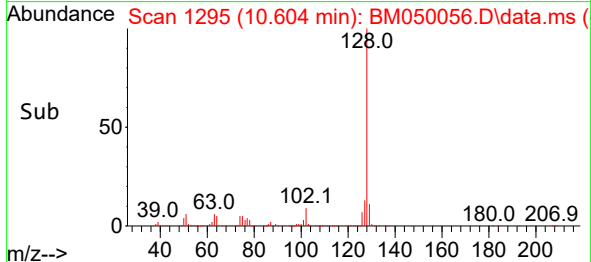
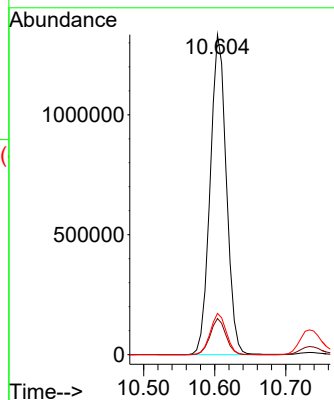
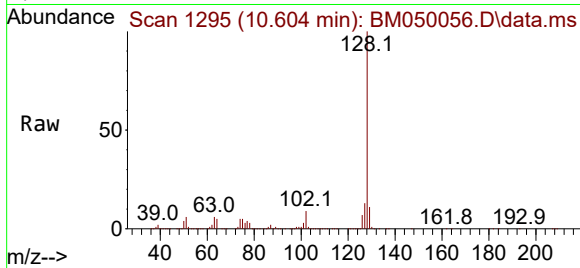




#31
Naphthalene
Concen: 45.277 ng
RT: 10.604 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

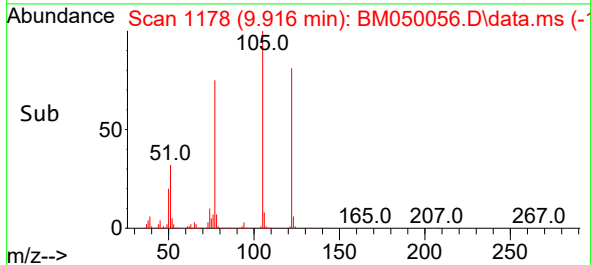
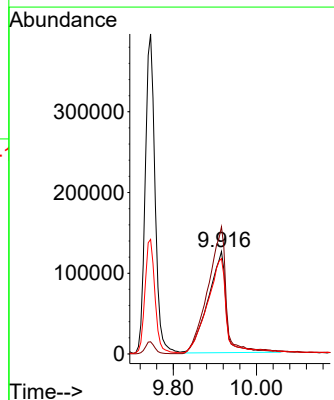
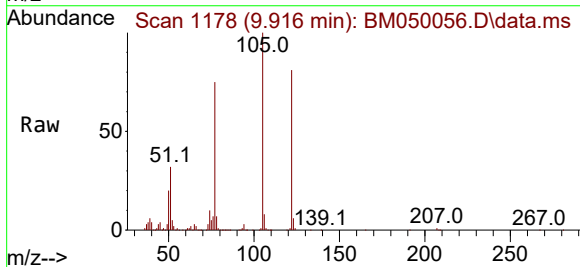
Instrument :
BNA_M
ClientSampleId :
PB167767BS

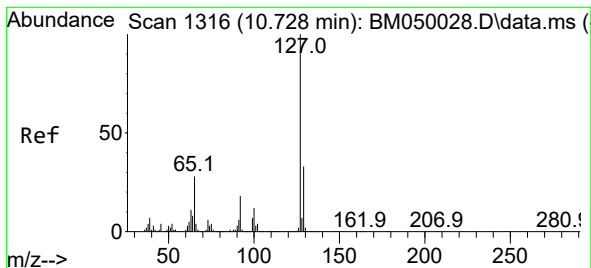
Tgt Ion:128 Resp: 2110306
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 12.9 10.4 15.6



#32
Benzoic acid
Concen: 43.793 ng
RT: 9.916 min Scan# 1178
Delta R.T. 0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:122 Resp: 383214
Ion Ratio Lower Upper
122 100
105 124.2 103.6 143.6
77 93.1 73.7 113.7





#33

4-Chloroaniline

Concen: 13.048 ng

RT: 10.733 min Scan# 1

Delta R.T. 0.006 min

Lab File: BM050056.D

Acq: 30 Apr 2025 22:36

Instrument :

BNA_M

ClientSampleId :

PB167767BS

Tgt Ion:127 Resp: 249272

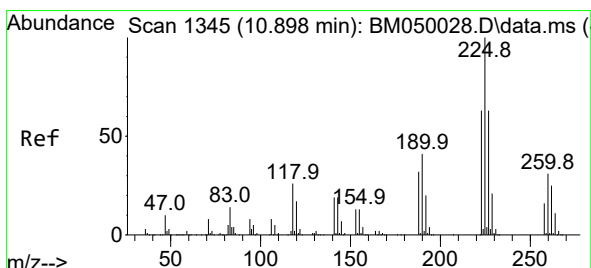
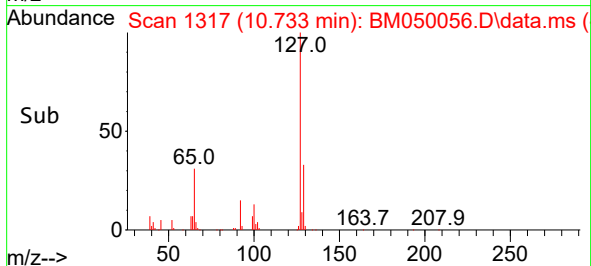
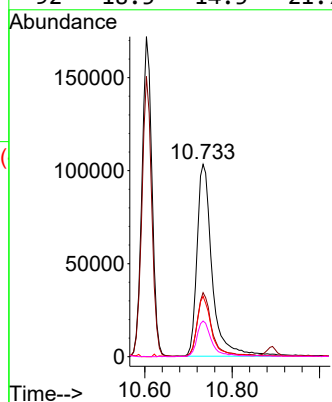
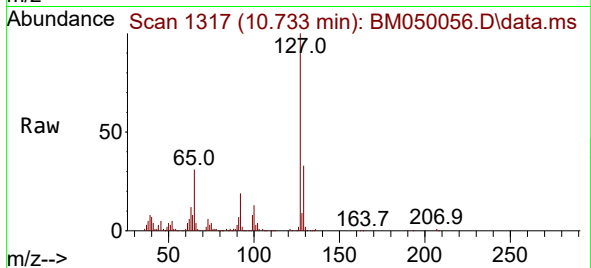
Ion Ratio Lower Upper

127 100

129 33.3 26.3 39.5

65 31.4 22.5 33.7

92 18.5 14.5 21.7



#34

Hexachlorobutadiene

Concen: 44.852 ng

RT: 10.892 min Scan# 1344

Delta R.T. -0.006 min

Lab File: BM050056.D

Acq: 30 Apr 2025 22:36

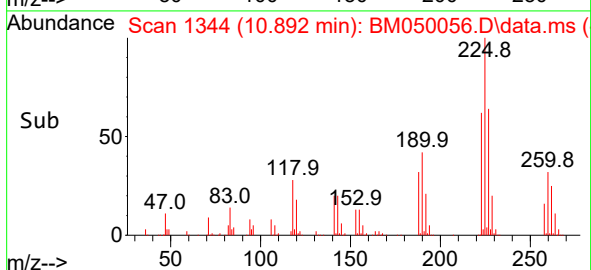
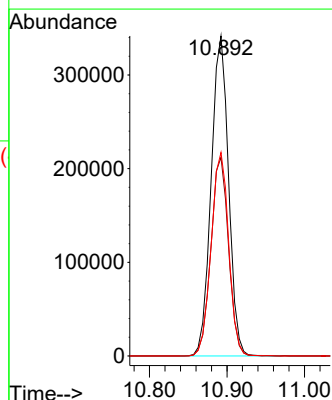
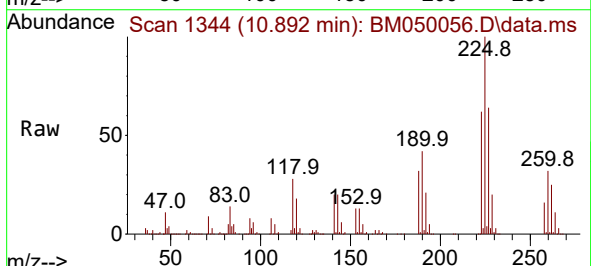
Tgt Ion:225 Resp: 531684

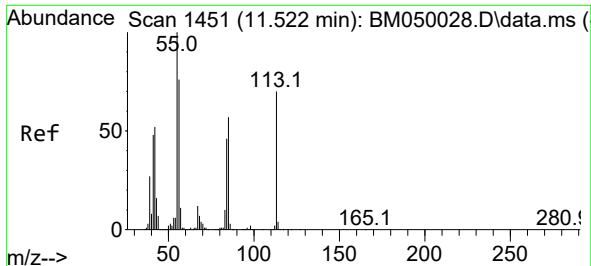
Ion Ratio Lower Upper

225 100

223 62.1 50.2 75.2

227 63.6 50.6 76.0

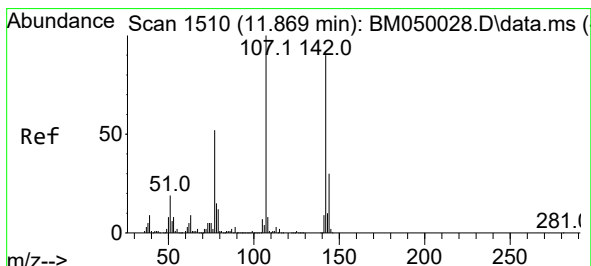
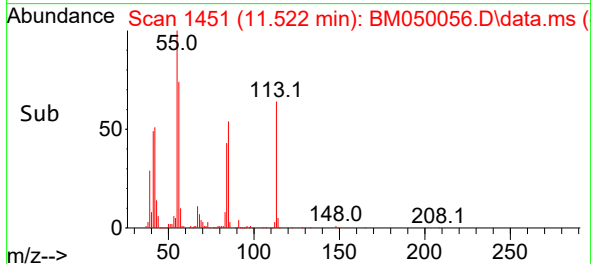
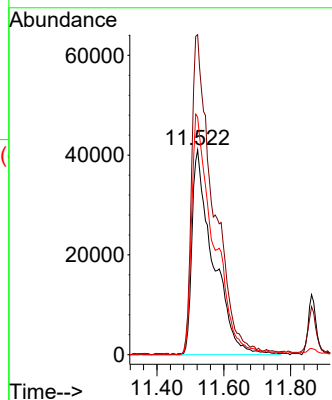
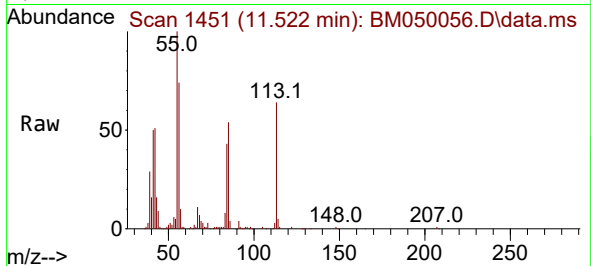




#35
Caprolactam
Concen: 40.044 ng
RT: 11.522 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

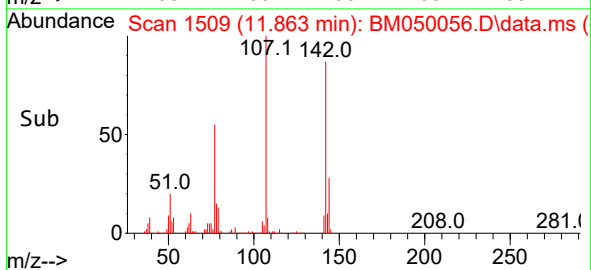
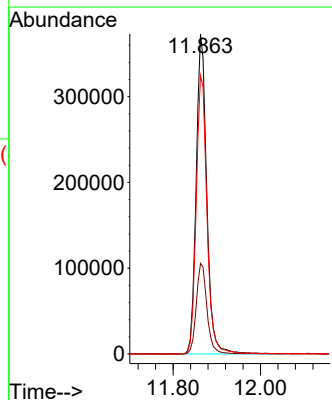
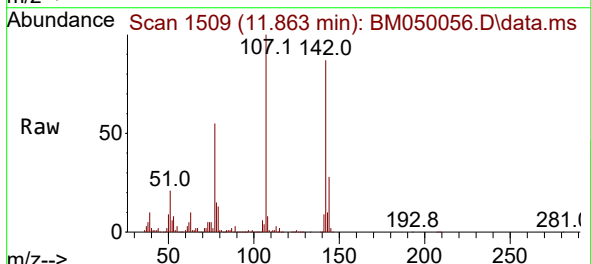
Instrument :
BNA_M
ClientSampleId :
PB167767BS

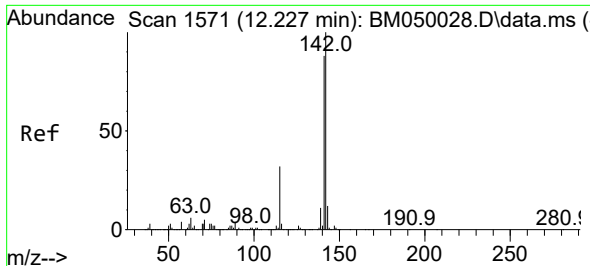
Tgt Ion:113 Resp: 178963
Ion Ratio Lower Upper
113 100
55 156.3 122.9 162.9
56 116.0 88.1 128.1



#36
4-Chloro-3-methylphenol
Concen: 44.467 ng
RT: 11.863 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:107 Resp: 629705
Ion Ratio Lower Upper
107 100
144 28.3 23.8 35.6
142 87.0 71.9 107.9

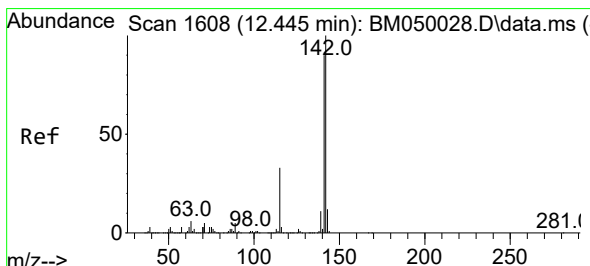
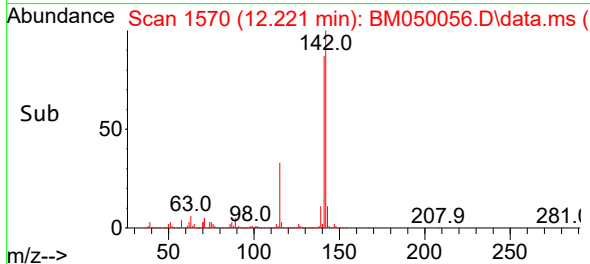
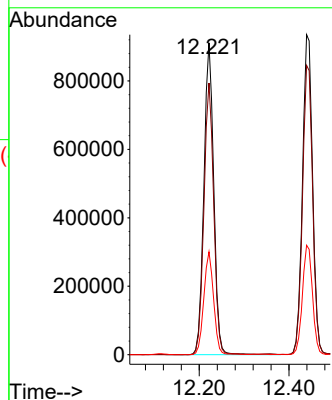
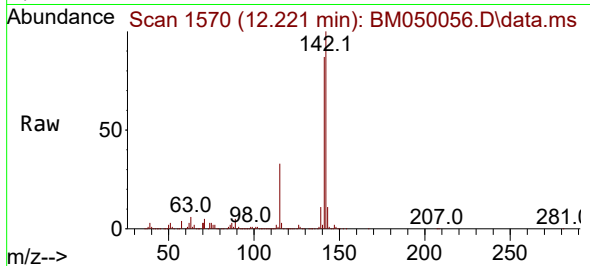




#37
2-Methylnaphthalene
Concen: 44.330 ng
RT: 12.221 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

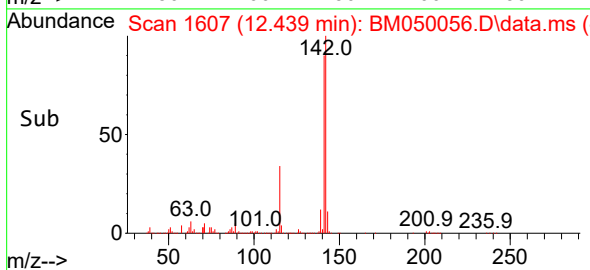
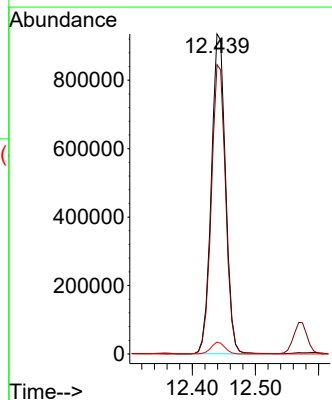
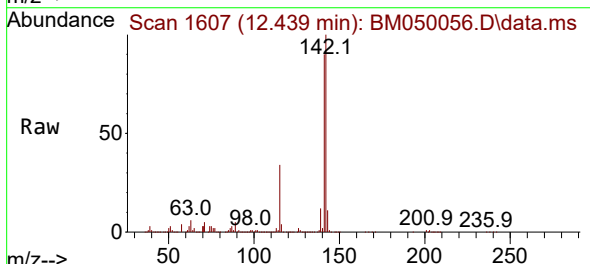
Instrument :
BNA_M
ClientSampleId :
PB167767BS

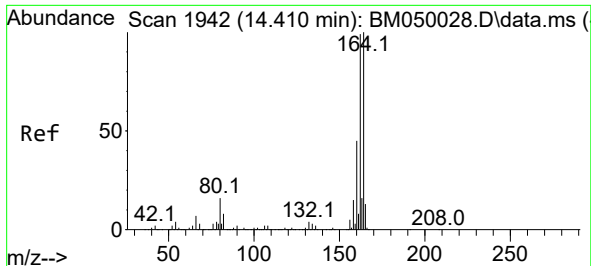
Tgt Ion:142 Resp: 1385260
Ion Ratio Lower Upper
142 100
141 87.1 70.4 105.6
115 33.0 25.4 38.2



#38
1-Methylnaphthalene
Concen: 44.137 ng
RT: 12.439 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:142 Resp: 1459600
Ion Ratio Lower Upper
142 100
141 90.4 72.1 108.1
116 3.7 2.7 4.1

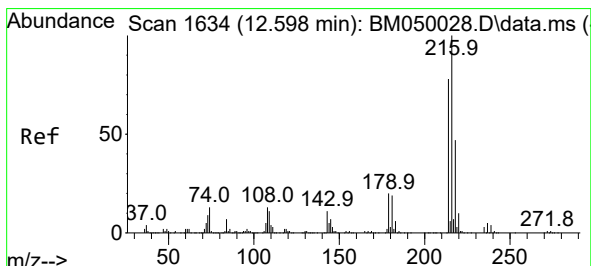
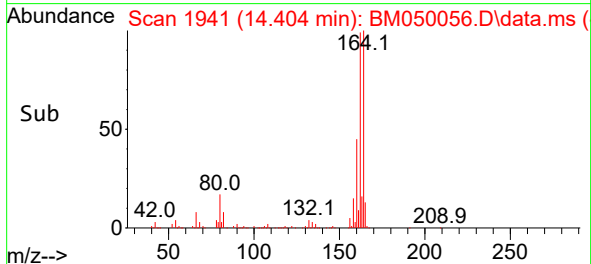
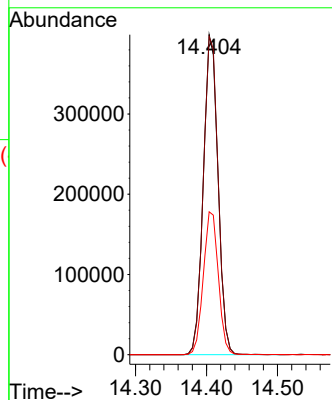
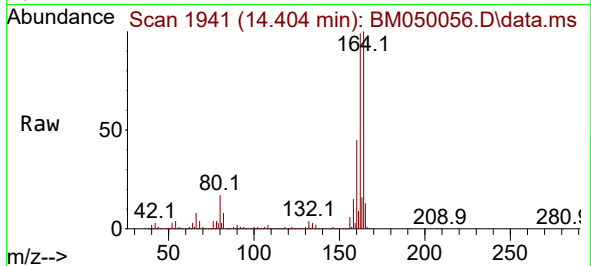




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

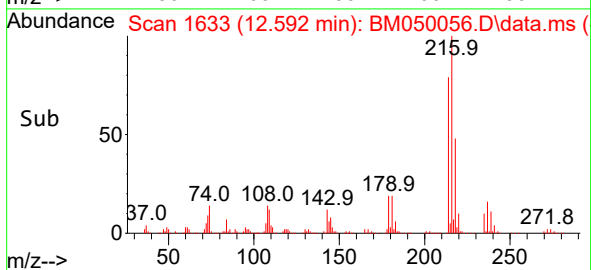
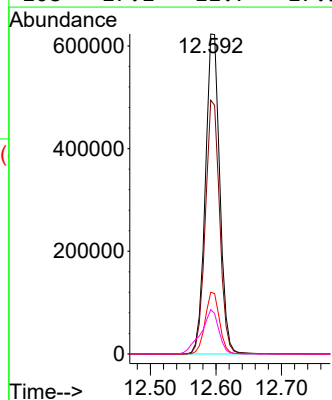
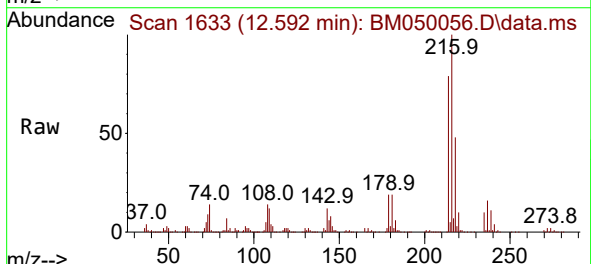
Instrument :
BNA_M
ClientSampleId :
PB167767BS

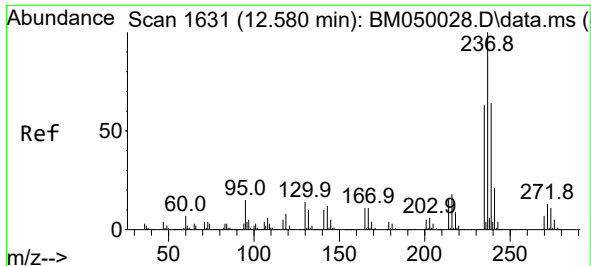
Tgt Ion:164 Resp: 574035
Ion Ratio Lower Upper
164 100
162 99.4 79.4 119.0
160 44.6 36.2 54.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.900 ng
RT: 12.592 min Scan# 1633
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:216 Resp: 951841
Ion Ratio Lower Upper
216 100
214 78.8 62.3 93.5
179 19.3 15.4 23.0
108 17.1 11.7 17.5

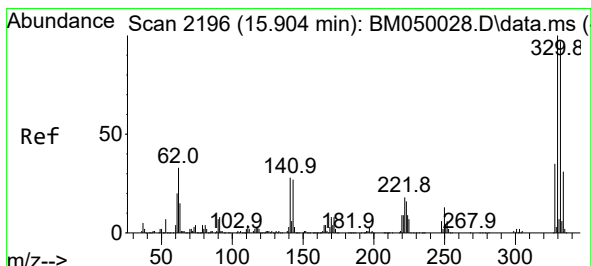
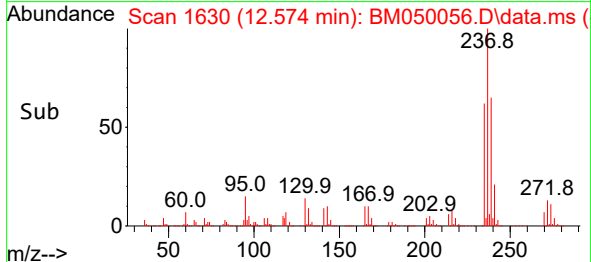
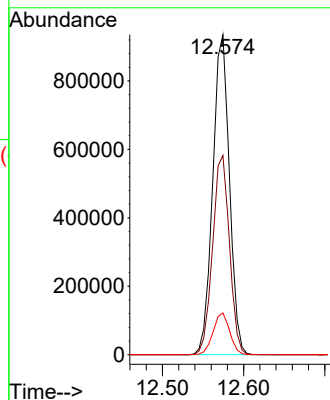
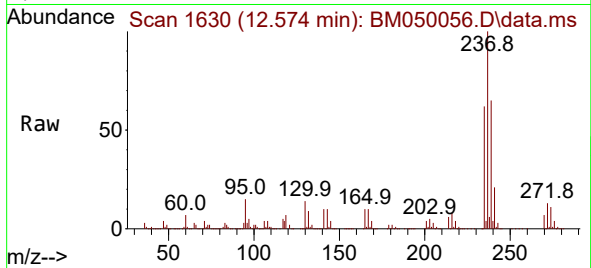




#41
Hexachlorocyclopentadiene
Concen: 109.773 ng
RT: 12.574 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

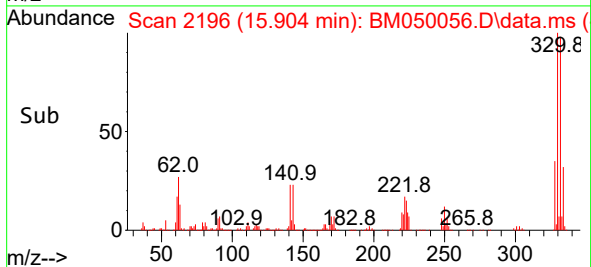
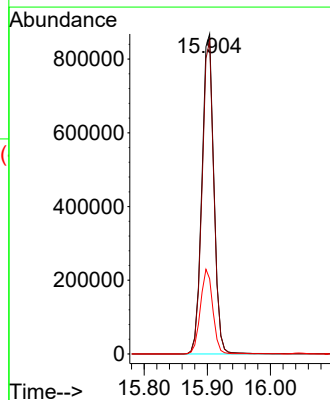
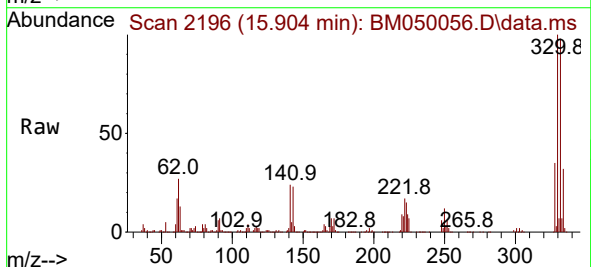
Instrument :
BNA_M
ClientSampleId :
PB167767BS

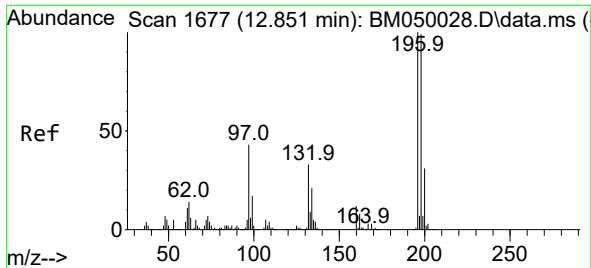
Tgt Ion:237 Resp: 1333070
Ion Ratio Lower Upper
237 100
235 62.2 42.9 82.9
272 13.1 0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 133.986 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.000 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:330 Resp: 1137256
Ion Ratio Lower Upper
330 100
332 96.7 77.3 115.9
141 27.5 22.5 33.7

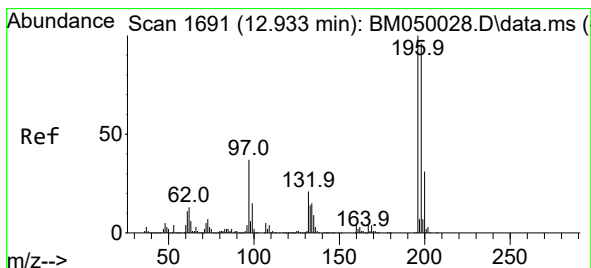
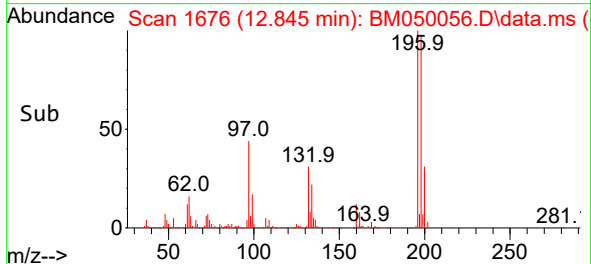
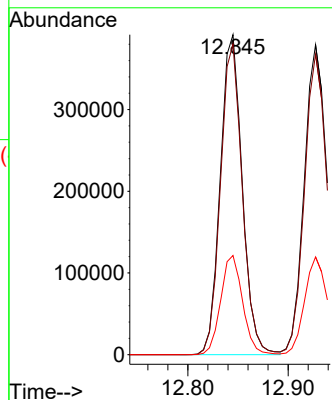
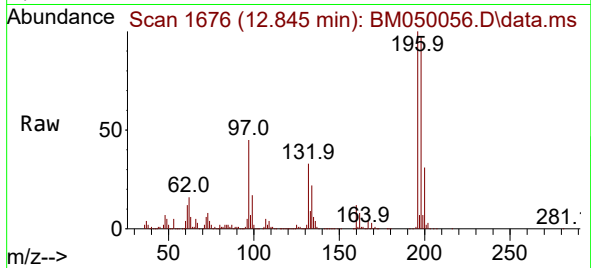




#43
2,4,6-Trichlorophenol
Concen: 47.252 ng
RT: 12.845 min Scan# 1676
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

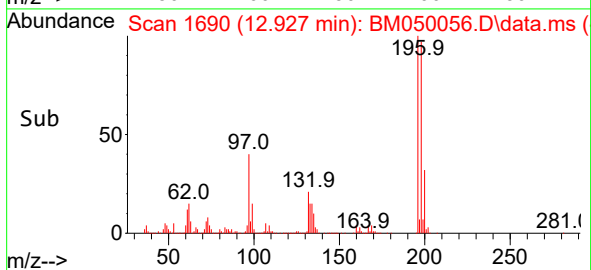
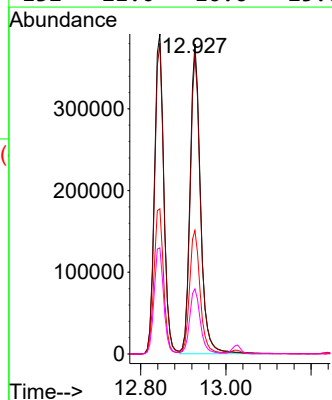
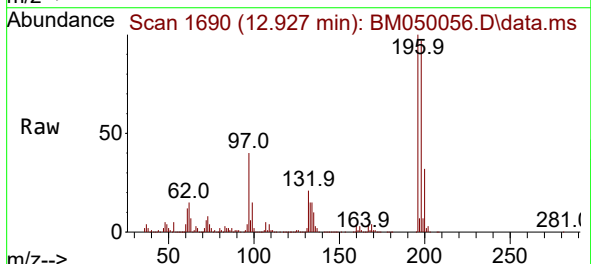
Instrument :
BNA_M
ClientSampleId :
PB167767BS

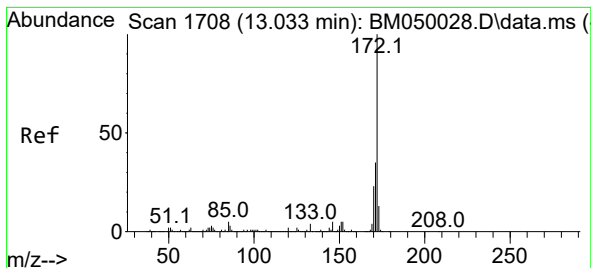
Tgt Ion:196 Resp: 595553
Ion Ratio Lower Upper
196 100
198 97.1 79.0 118.6
200 31.0 25.1 37.7



#44
2,4,5-Trichlorophenol
Concen: 47.463 ng
RT: 12.927 min Scan# 1690
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:196 Resp: 645088
Ion Ratio Lower Upper
196 100
198 97.0 76.7 115.1
97 39.9 30.1 45.1
132 21.0 16.6 25.0





#45

2-Fluorobiphenyl

Concen: 82.084 ng

RT: 13.027 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM050056.D

Acq: 30 Apr 2025 22:36

Instrument :

BNA_M

ClientSampleId :

PB167767BS

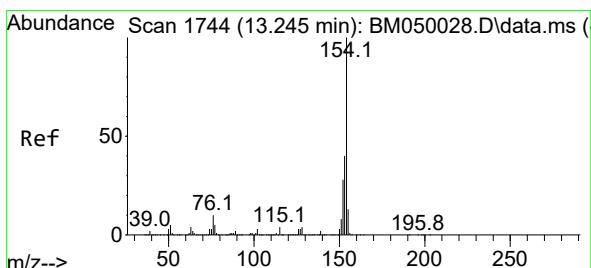
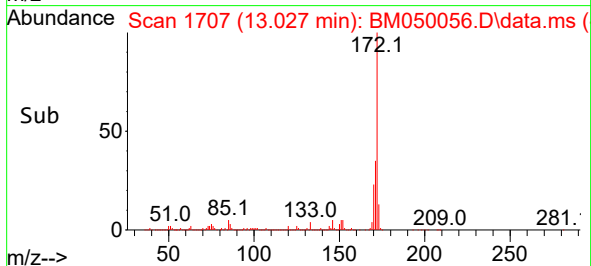
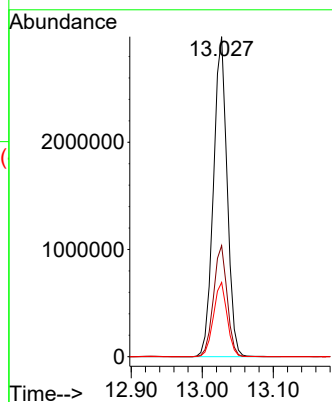
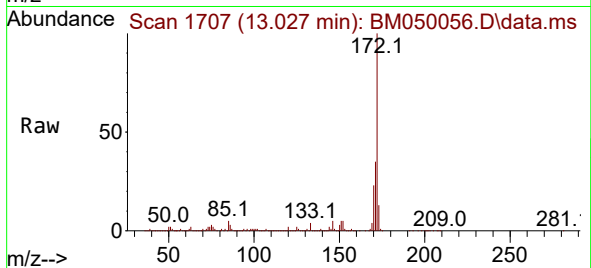
Tgt Ion:172 Resp: 3983085

Ion Ratio Lower Upper

172 100

171 34.7 27.8 41.6

170 23.2 18.6 28.0



#46

1,1'-Biphenyl

Concen: 46.895 ng

RT: 13.239 min Scan# 1743

Delta R.T. -0.006 min

Lab File: BM050056.D

Acq: 30 Apr 2025 22:36

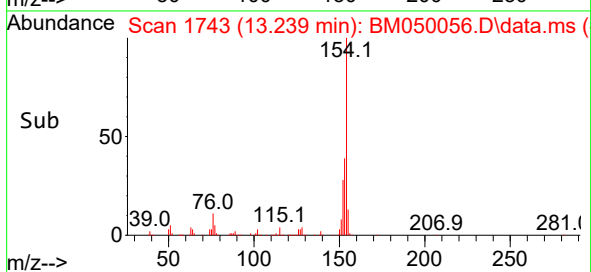
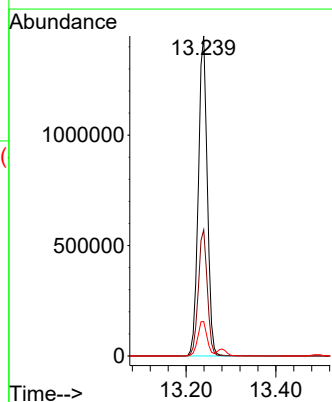
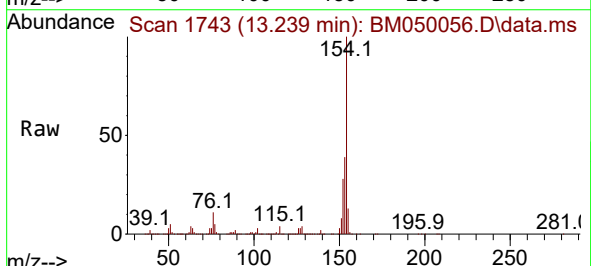
Tgt Ion:154 Resp: 2001051

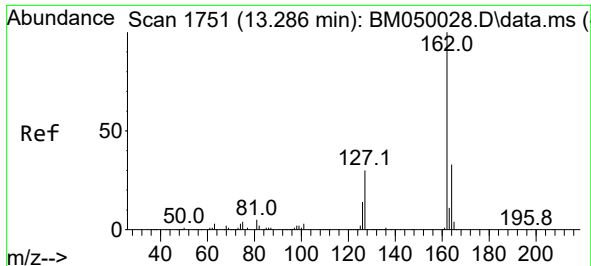
Ion Ratio Lower Upper

154 100

153 39.4 20.0 60.0

76 10.8 0.0 30.3

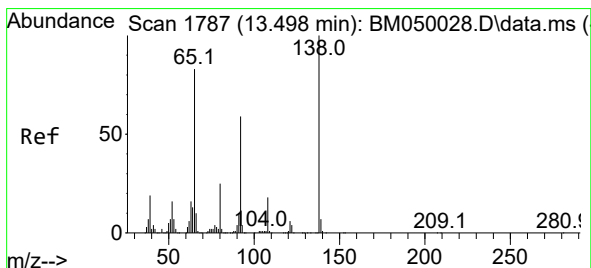
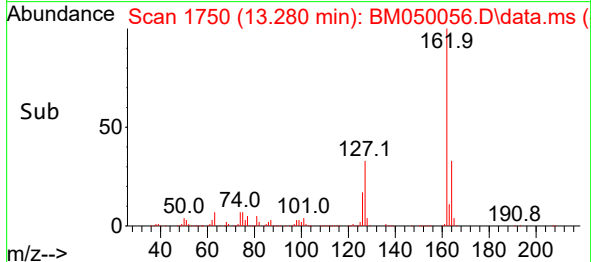
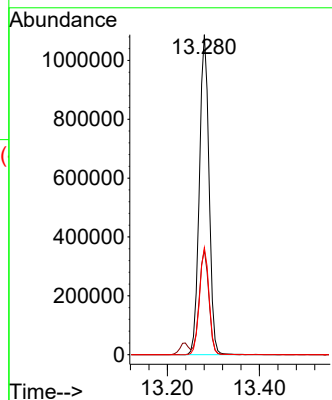
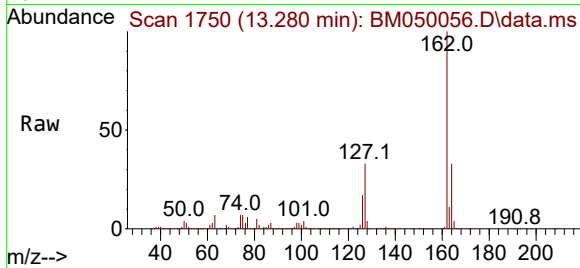




#47
2-Chloronaphthalene
Concen: 46.715 ng
RT: 13.280 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

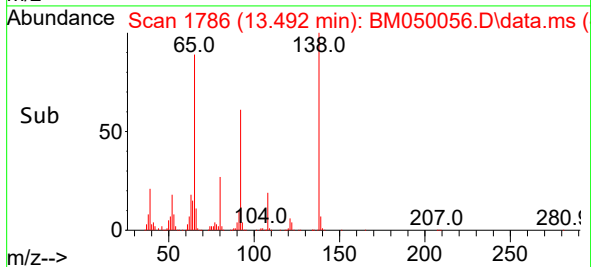
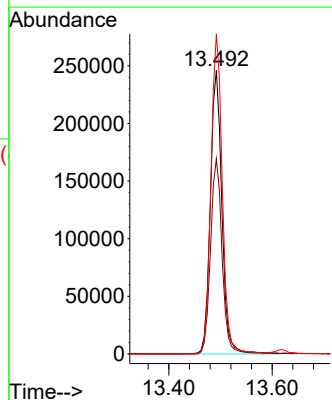
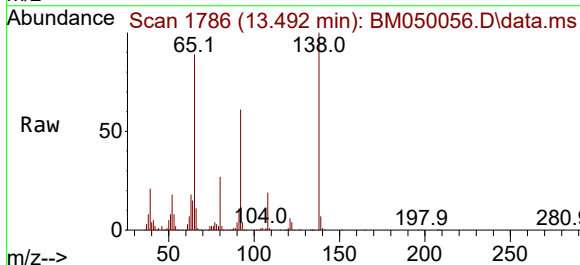
Instrument :
BNA_M
ClientSampleId :
PB167767BS

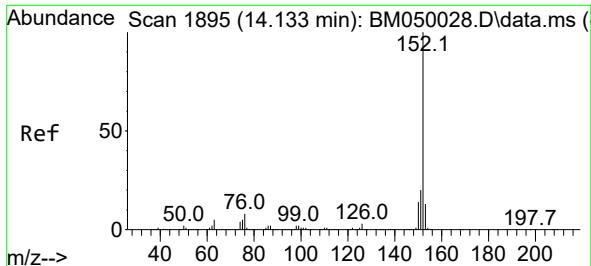
Tgt Ion:162 Resp: 1578759
Ion Ratio Lower Upper
162 100
127 32.8 25.9 38.9
164 33.5 26.6 40.0



#48
2-Nitroaniline
Concen: 48.111 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion: 65 Resp: 381610
Ion Ratio Lower Upper
65 100
92 68.9 57.1 85.7
138 112.9 97.0 145.4

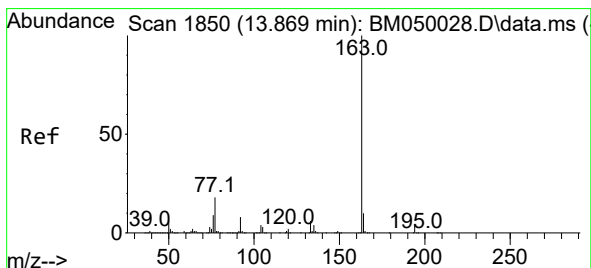
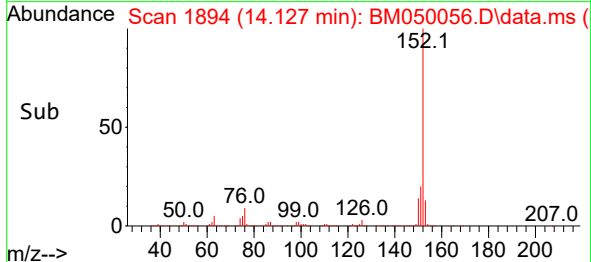
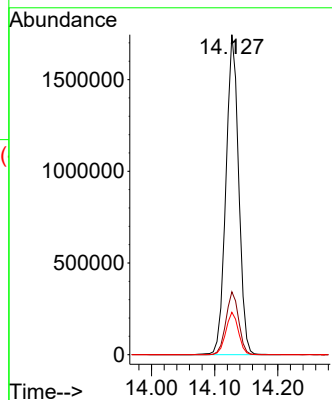
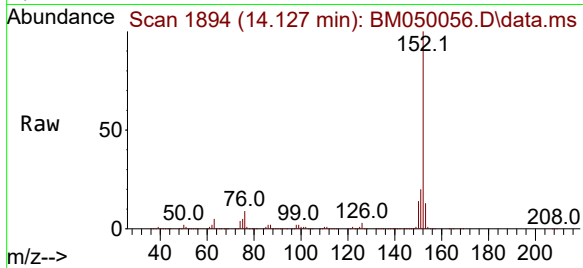




#49
Acenaphthylene
Concen: 45.906 ng
RT: 14.127 min Scan# 1894
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

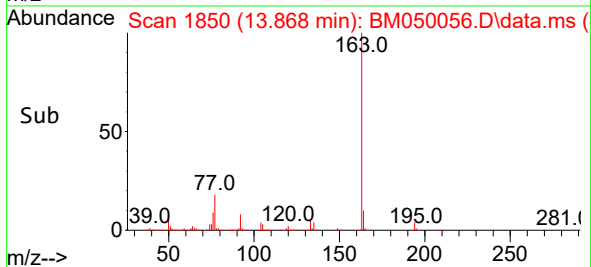
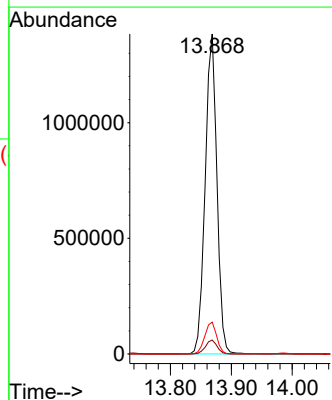
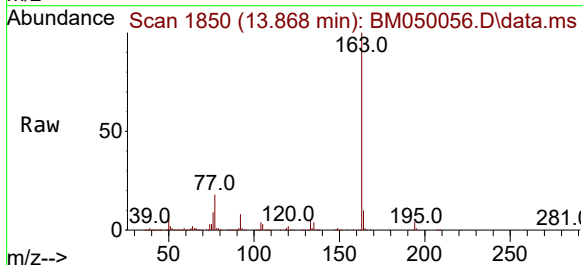
Instrument :
BNA_M
ClientSampleId :
PB167767BS

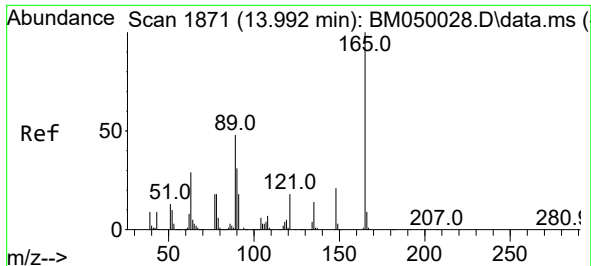
Tgt Ion:152 Resp: 2446083
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.8
153 13.3 10.6 15.8



#50
Dimethylphthalate
Concen: 44.069 ng
RT: 13.868 min Scan# 1850
Delta R.T. -0.000 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:163 Resp: 1848756
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 10.0 8.2 12.2

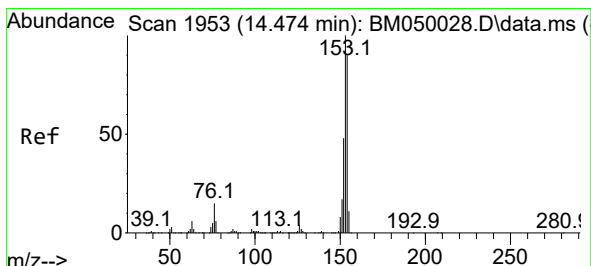
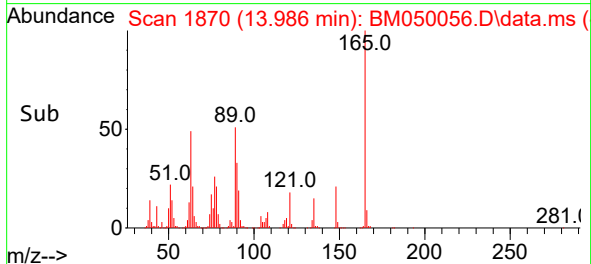
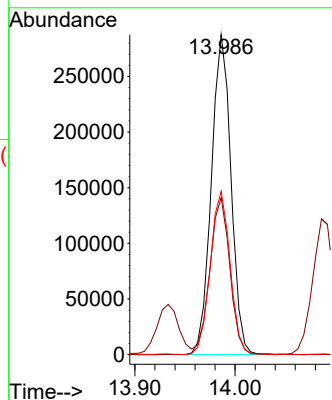
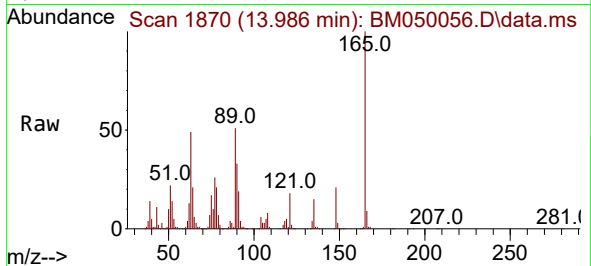




#51
2,6-Dinitrotoluene
Concen: 45.028 ng
RT: 13.986 min Scan# 1870
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

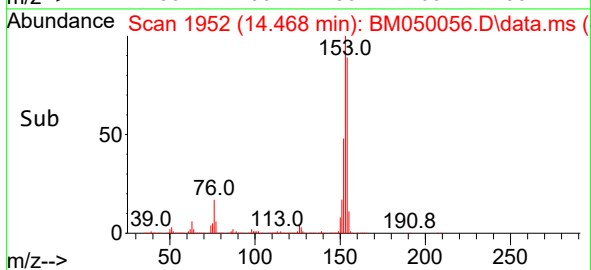
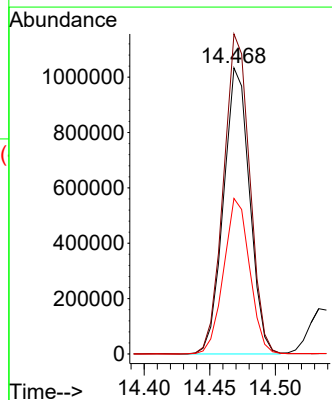
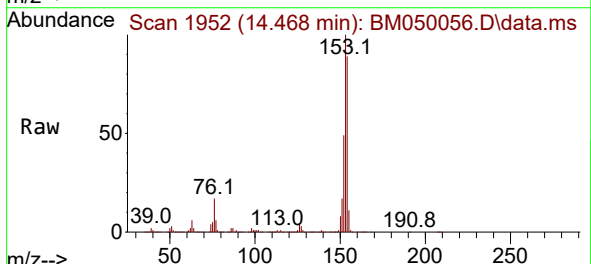
Instrument :
BNA_M
ClientSampleId :
PB167767BS

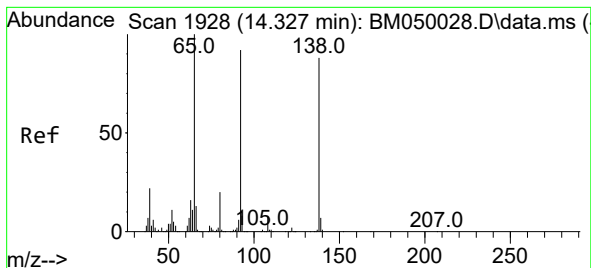
Tgt Ion:165 Resp: 391102
Ion Ratio Lower Upper
165 100
63 49.1 35.1 52.7
89 51.1 38.4 57.6



#52
Acenaphthene
Concen: 46.311 ng
RT: 14.468 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:154 Resp: 1428392
Ion Ratio Lower Upper
154 100
153 111.9 89.0 133.4
152 54.4 43.0 64.6

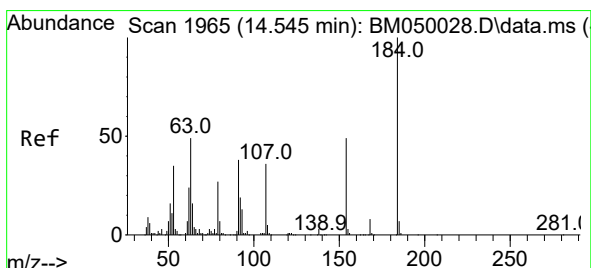
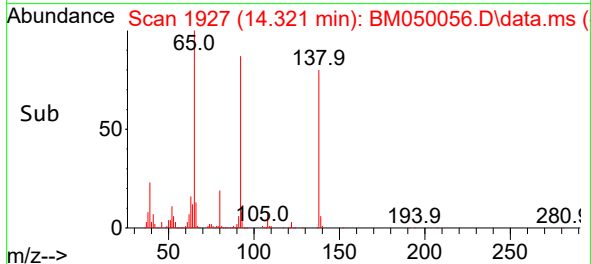
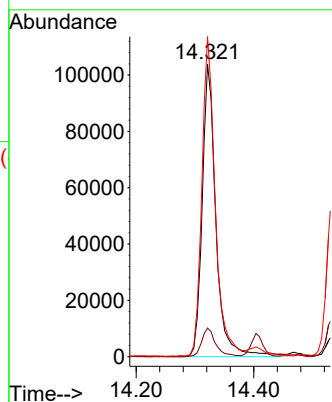
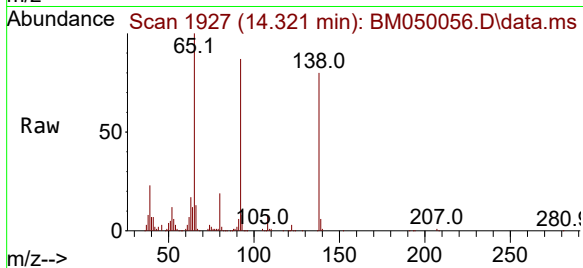




#53
3-Nitroaniline
Concen: 20.286 ng
RT: 14.321 min Scan# 1928
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

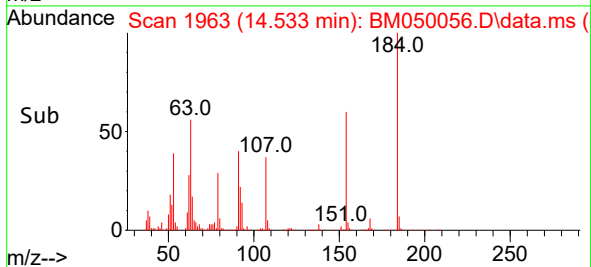
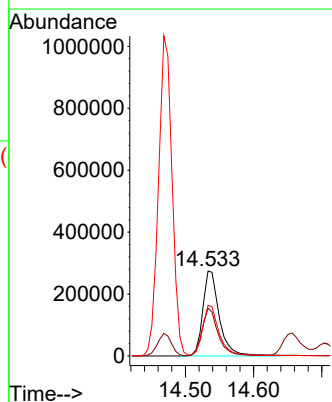
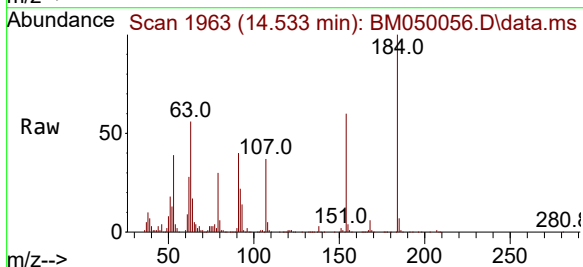
Instrument :
BNA_M
ClientSampleId :
PB167767BS

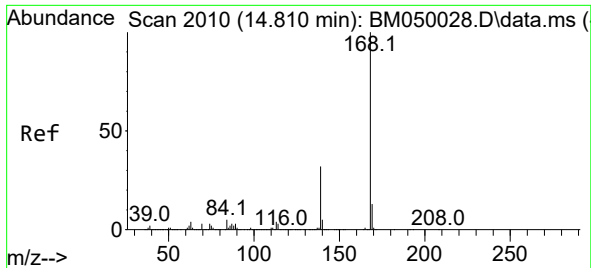
Tgt Ion:138 Resp: 168224
Ion Ratio Lower Upper
138 100
108 9.8 7.4 11.2
92 109.4 84.0 126.0



#54
2,4-Dinitrophenol
Concen: 83.005 ng
RT: 14.533 min Scan# 1963
Delta R.T. -0.012 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:184 Resp: 462686
Ion Ratio Lower Upper
184 100
63 56.2 39.8 59.6
154 59.6 46.1 69.1

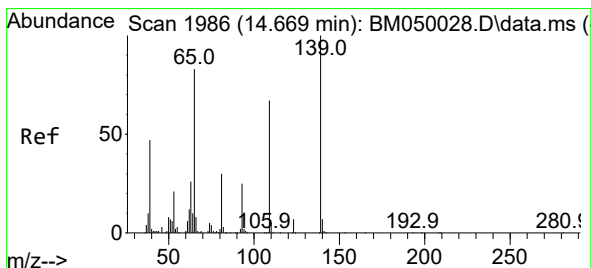
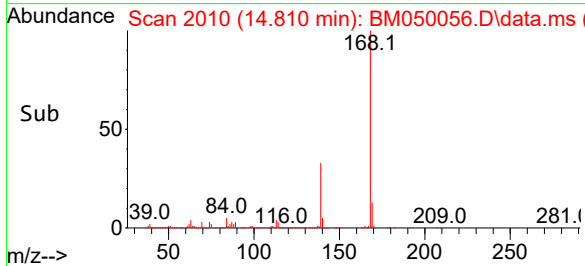
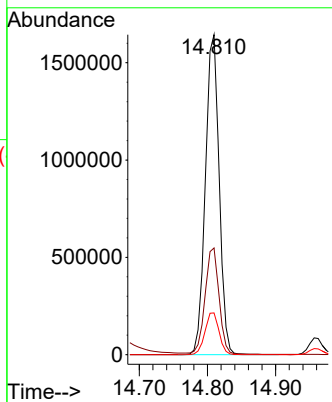
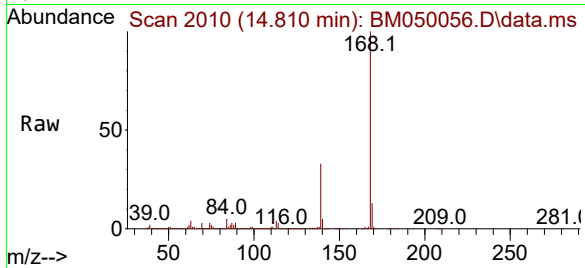




#55
Dibenzofuran
Concen: 45.103 ng
RT: 14.810 min Scan# 2010
Delta R.T. -0.000 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

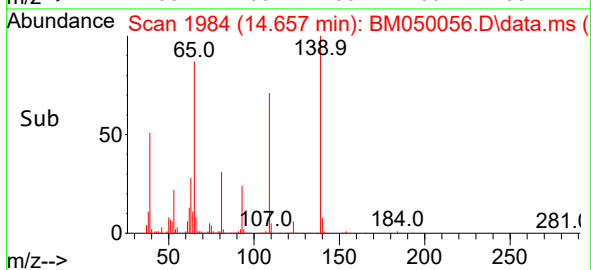
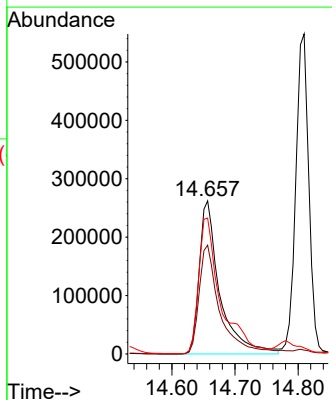
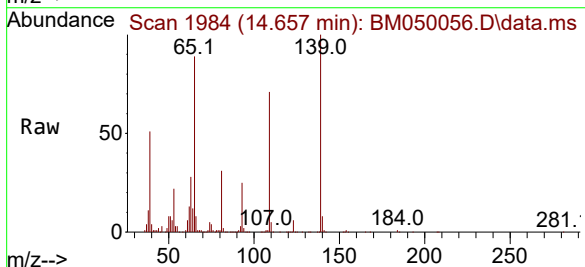
Instrument :
BNA_M
ClientSampleId :
PB167767BS

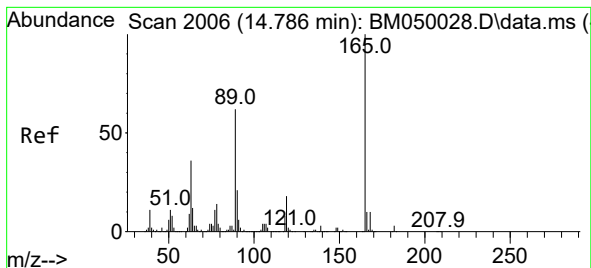
Tgt Ion:168 Resp: 2314511
Ion Ratio Lower Upper
168 100
139 33.3 26.1 39.1
169 13.1 10.8 16.2



#56
4-Nitrophenol
Concen: 87.262 ng
RT: 14.657 min Scan# 1984
Delta R.T. -0.012 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:139 Resp: 591638
Ion Ratio Lower Upper
139 100
109 71.1 47.0 87.0
65 88.7 64.3 104.3





#57

2,4-Dinitrotoluene

Concen: 45.495 ng

RT: 14.780 min Scan# 20

Delta R.T. -0.006 min

Lab File: BM050056.D

Acq: 30 Apr 2025 22:36

Instrument :

BNA_M

ClientSampleId :

PB167767BS

Tgt Ion:165 Resp: 546027

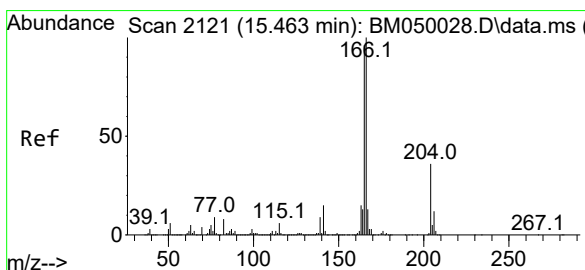
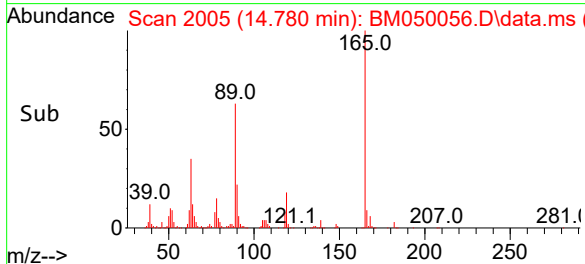
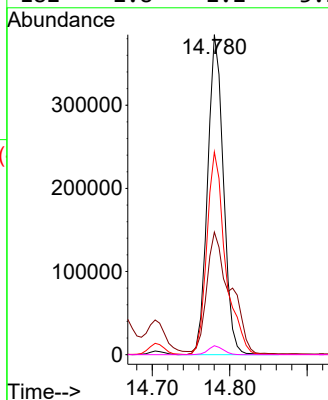
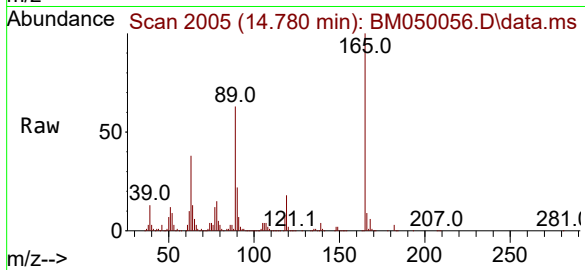
Ion Ratio Lower Upper

165 100

63 38.3 29.0 43.6

89 63.3 49.4 74.2

182 2.8 2.2 3.2



#58

Fluorene

Concen: 46.608 ng

RT: 15.457 min Scan# 2120

Delta R.T. -0.006 min

Lab File: BM050056.D

Acq: 30 Apr 2025 22:36

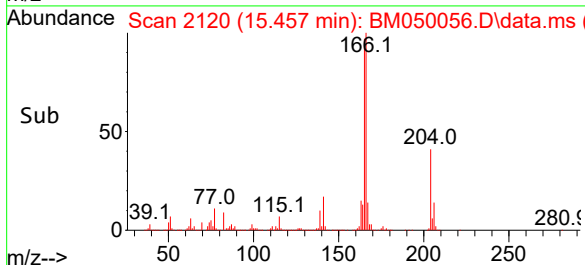
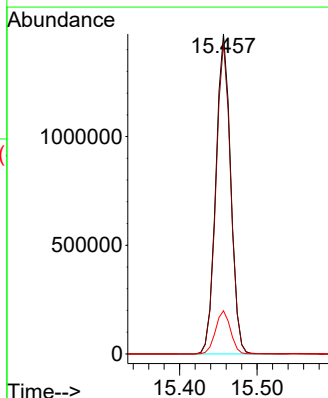
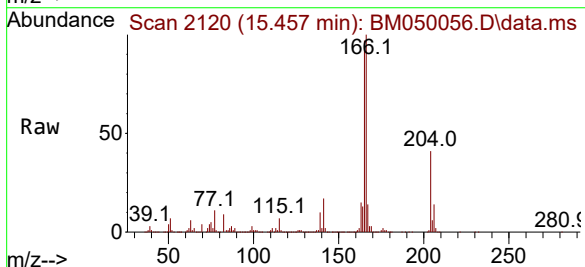
Tgt Ion:166 Resp: 1957695

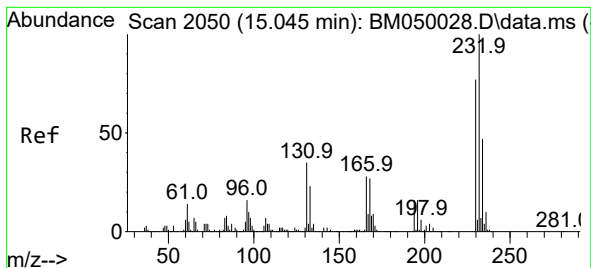
Ion Ratio Lower Upper

166 100

165 97.4 76.6 115.0

167 13.5 10.6 16.0

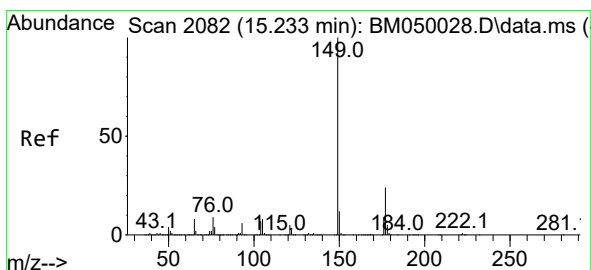
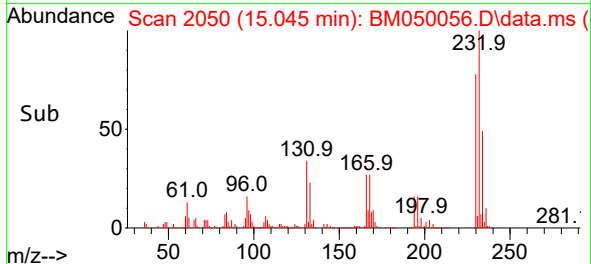
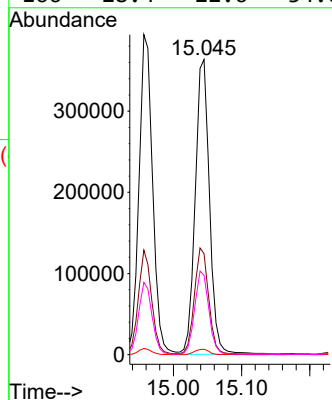
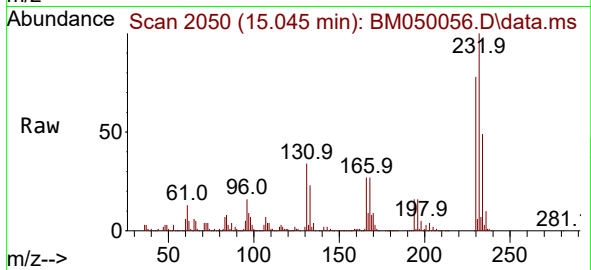




#59
2,3,4,6-Tetrachlorophenol
Concen: 44.704 ng
RT: 15.045 min Scan# 2050
Delta R.T. -0.000 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

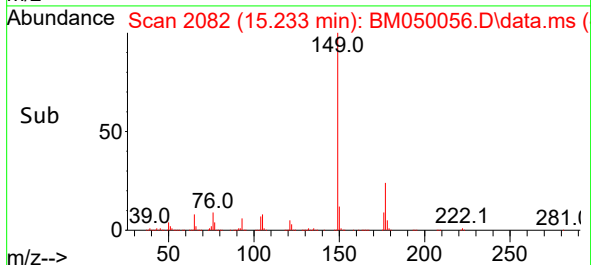
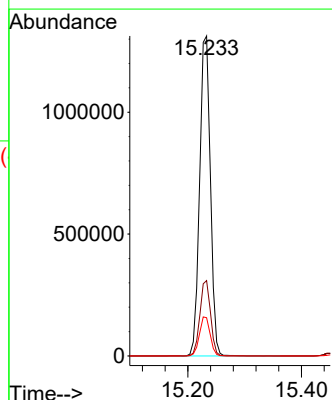
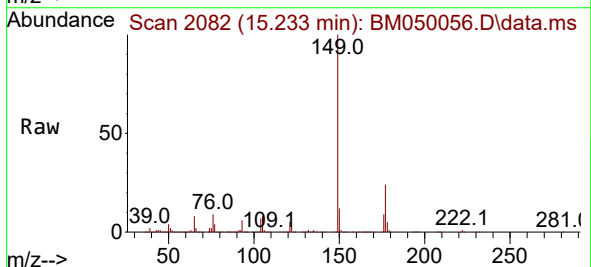
Instrument :
BNA_M
ClientSampleId :
PB167767BS

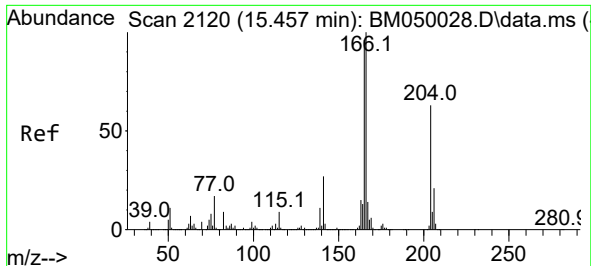
Tgt Ion:232 Resp: 525931
Ion Ratio Lower Upper
232 100
131 36.2 28.2 42.4
130 1.9 1.5 2.3
166 28.4 22.6 34.0



#60
Diethylphthalate
Concen: 43.728 ng
RT: 15.233 min Scan# 2082
Delta R.T. -0.000 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:149 Resp: 1728526
Ion Ratio Lower Upper
149 100
177 23.5 19.1 28.7
150 11.9 9.6 14.4

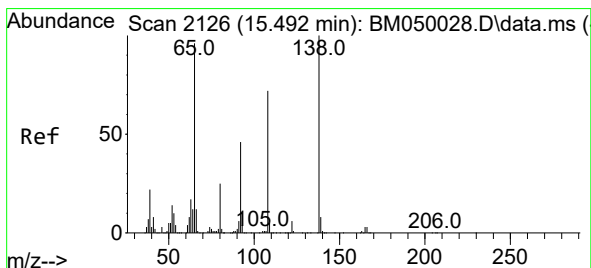
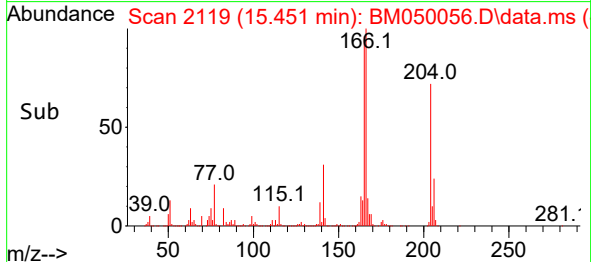
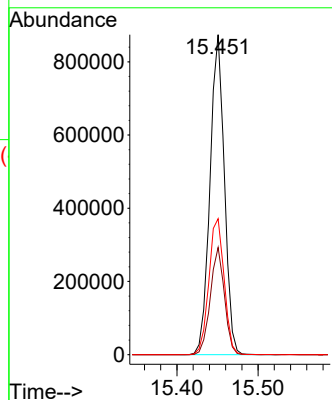
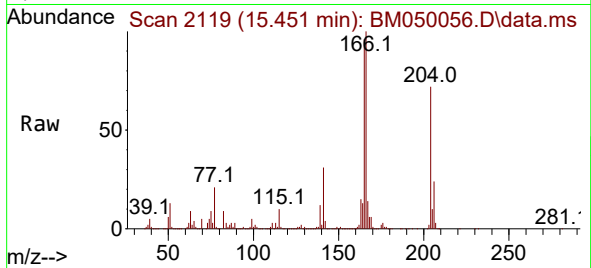




#61
4-Chlorophenyl-phenylether
Concen: 46.531 ng
RT: 15.451 min Scan# 2119
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

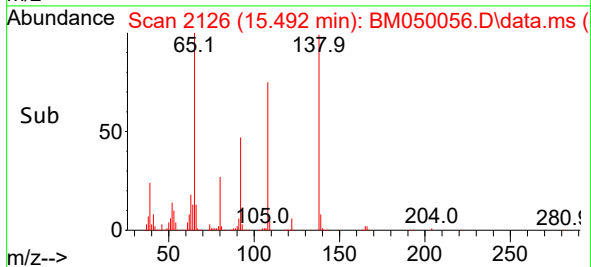
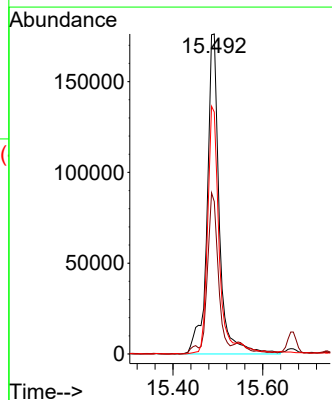
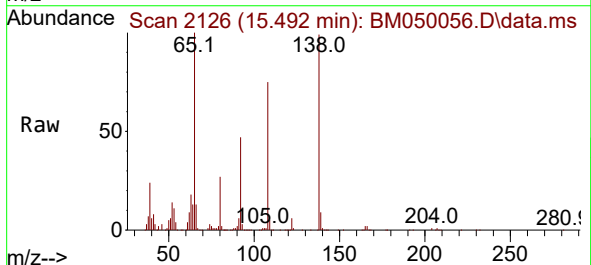
Instrument :
BNA_M
ClientSampleId :
PB167767BS

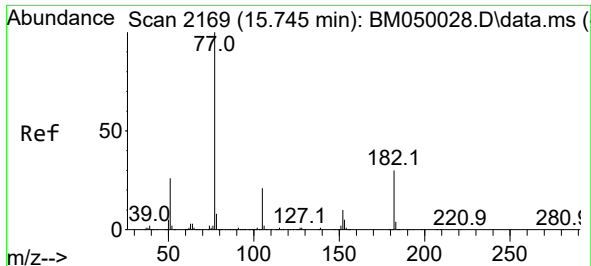
Tgt Ion:204 Resp: 1073517
Ion Ratio Lower Upper
204 100
206 33.5 26.3 39.5
141 42.5 34.0 51.0



#62
4-Nitroaniline
Concen: 41.776 ng
RT: 15.492 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:138 Resp: 334232
Ion Ratio Lower Upper
138 100
92 47.6 25.9 65.9
108 75.6 52.4 92.4

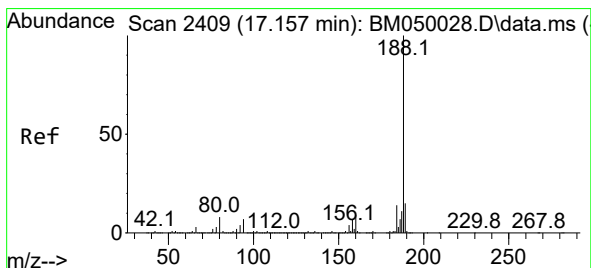
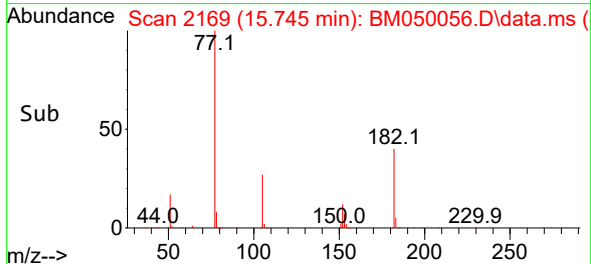
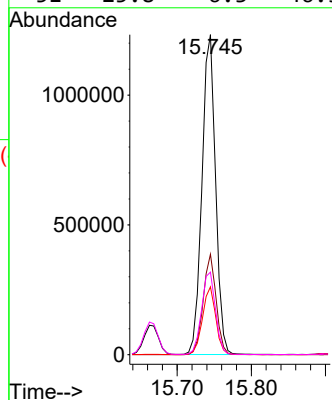
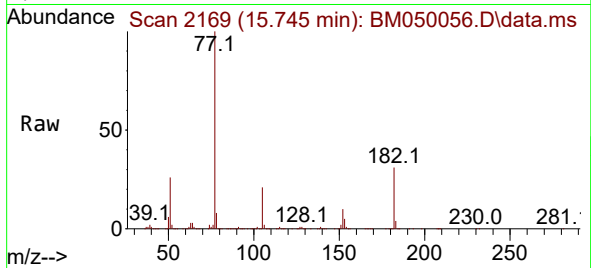




#63
Azobenzene
Concen: 47.397 ng
RT: 15.745 min Scan# 2169
Delta R.T. -0.000 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

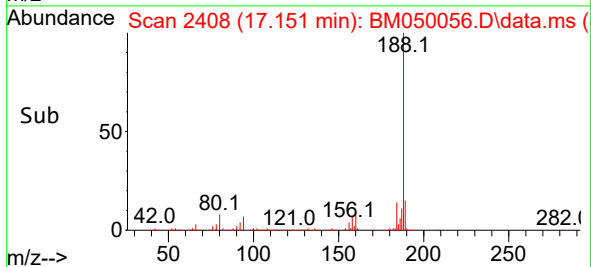
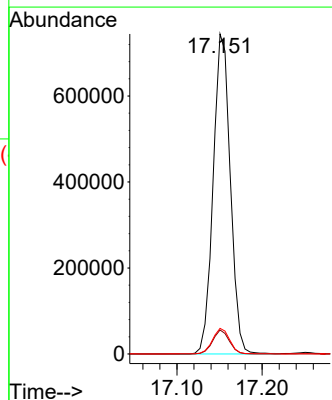
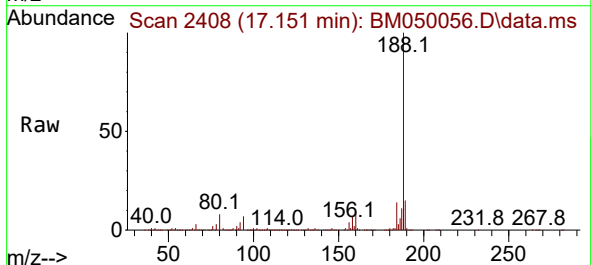
Instrument :
BNA_M
ClientSampleId :
PB167767BS

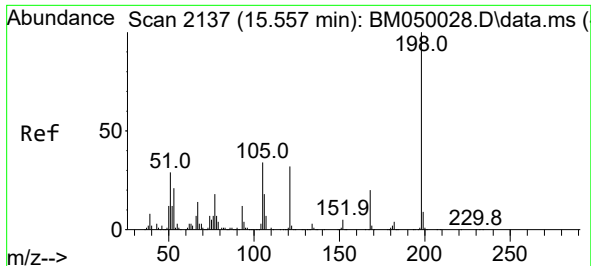
Tgt Ion: 77 Resp: 1570210
Ion Ratio Lower Upper
77 100
182 31.4 10.5 50.5
105 21.2 1.1 41.1
51 25.8 6.3 46.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.151 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:188 Resp: 1043099
Ion Ratio Lower Upper
188 100
94 7.5 5.7 8.5
80 8.0 6.2 9.4

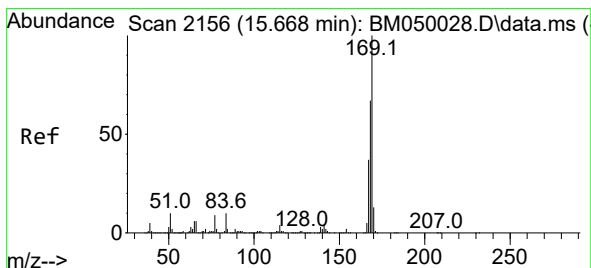
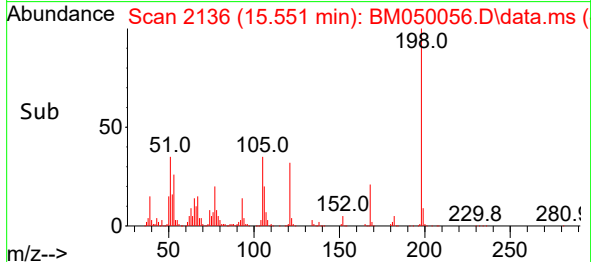
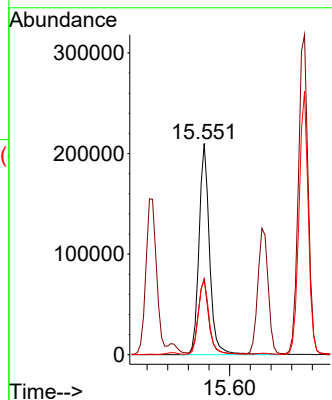
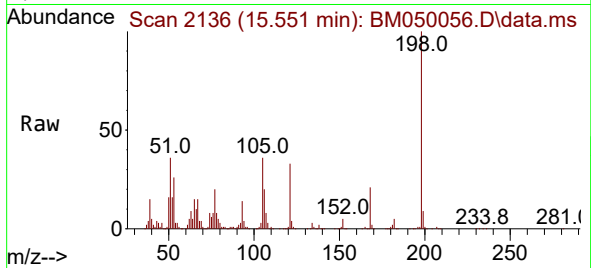




#65
4,6-Dinitro-2-methylphenol
Concen: 45.416 ng
RT: 15.551 min Scan# 2136
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

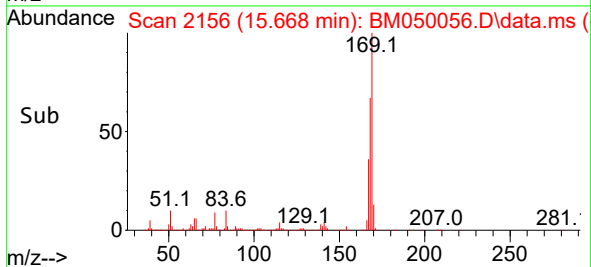
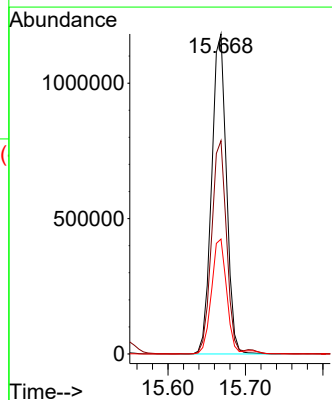
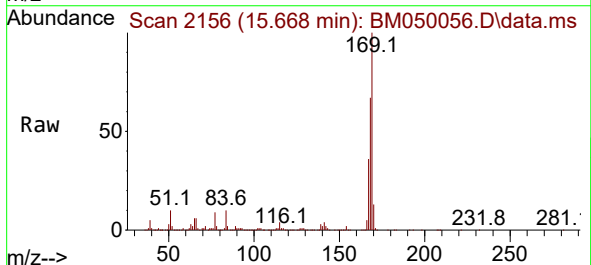
Instrument :
BNA_M
ClientSampleId :
PB167767BS

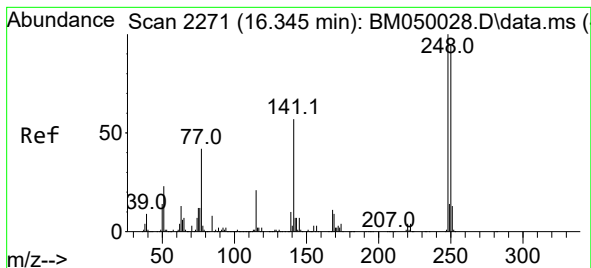
Tgt Ion:198 Resp: 296541
Ion Ratio Lower Upper
198 100
51 35.5 10.4 50.4
105 35.9 14.6 54.6



#66
n-Nitrosodiphenylamine
Concen: 48.976 ng
RT: 15.668 min Scan# 2156
Delta R.T. -0.000 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:169 Resp: 1568744
Ion Ratio Lower Upper
169 100
168 66.7 53.4 80.2
167 35.9 29.4 44.0

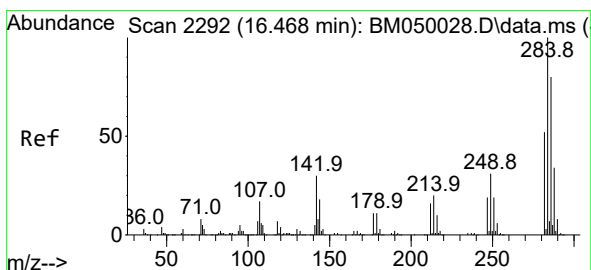
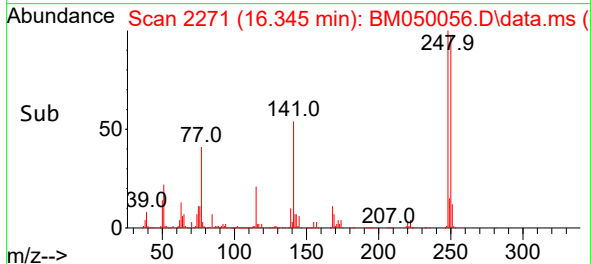
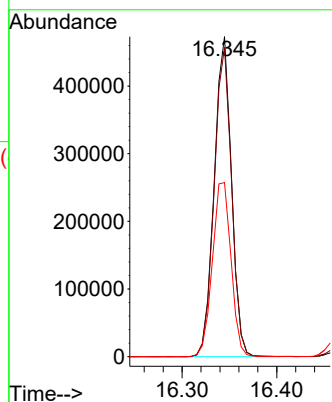
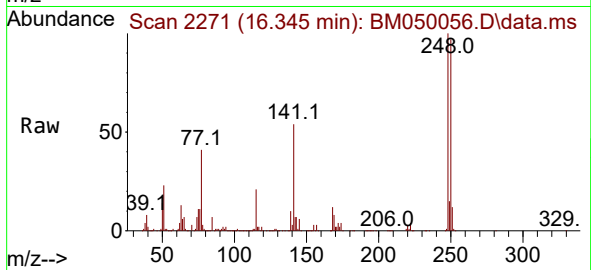




#67
4-Bromophenyl-phenylether
Concen: 47.467 ng
RT: 16.345 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

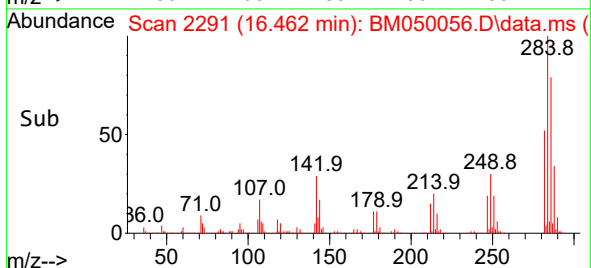
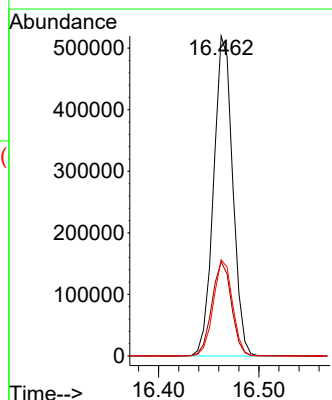
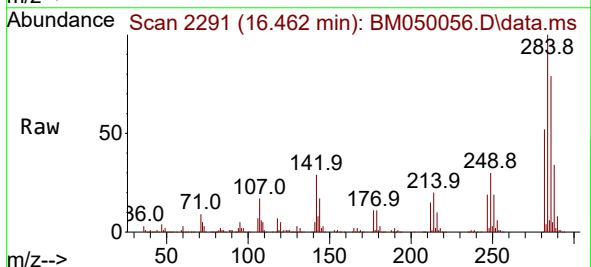
Instrument :
BNA_M
ClientSampleId :
PB167767BS

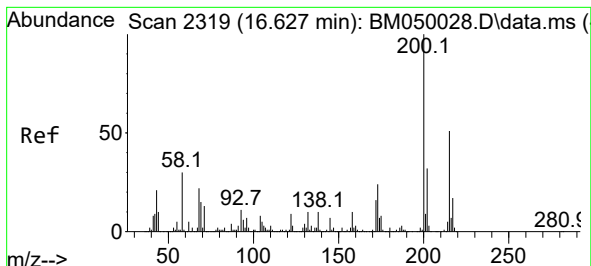
Tgt Ion:248 Resp: 598749
Ion Ratio Lower Upper
248 100
250 96.6 76.2 114.2
141 54.4 45.9 68.9



#68
Hexachlorobenzene
Concen: 47.285 ng
RT: 16.462 min Scan# 2291
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:284 Resp: 687532
Ion Ratio Lower Upper
284 100
142 29.5 23.9 35.9
249 30.1 24.5 36.7





#69

Atrazine

Concen: 46.343 ng

RT: 16.621 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM050056.D

Acq: 30 Apr 2025 22:36

Instrument :

BNA_M

ClientSampleId :

PB167767BS

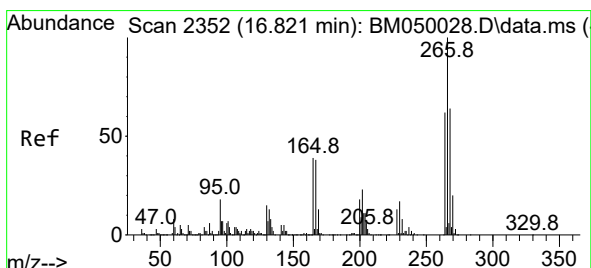
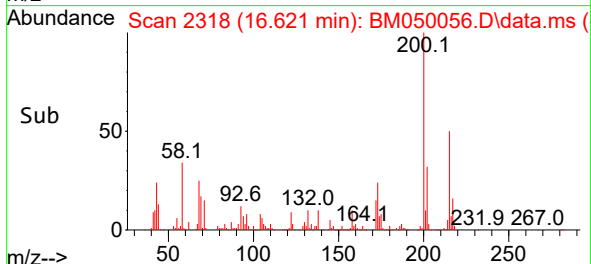
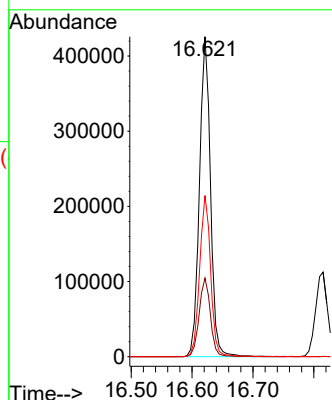
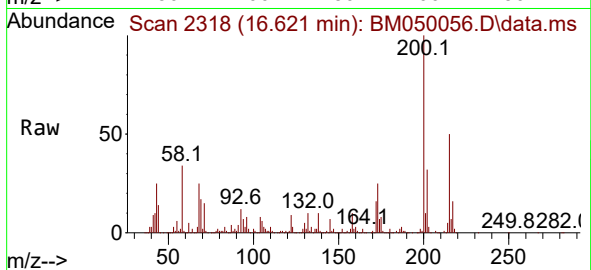
Tgt Ion:200 Resp: 535442

Ion Ratio Lower Upper

200 100

173 24.6 4.3 44.3

215 50.3 30.6 70.6



#70

Pentachlorophenol

Concen: 109.731 ng

RT: 16.815 min Scan# 2351

Delta R.T. -0.006 min

Lab File: BM050056.D

Acq: 30 Apr 2025 22:36

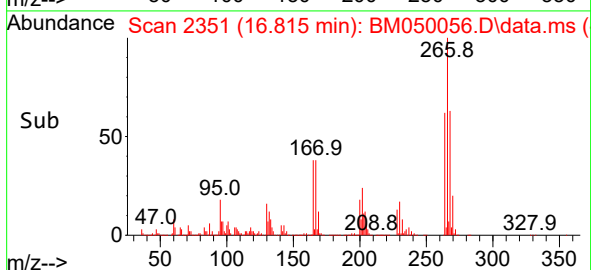
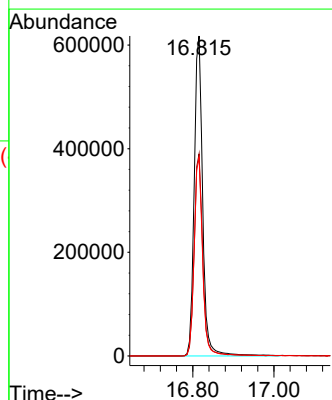
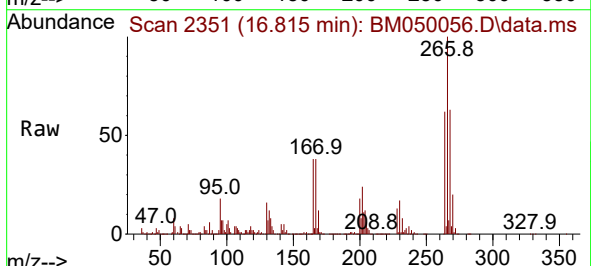
Tgt Ion:266 Resp: 898093

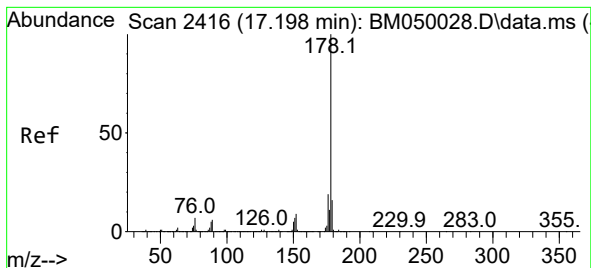
Ion Ratio Lower Upper

266 100

268 63.1 51.2 76.8

264 62.1 49.6 74.4





#71

Phenanthrene

Concen: 47.811 ng

RT: 17.198 min Scan# 2416

Delta R.T. -0.000 min

Lab File: BM050056.D

Acq: 30 Apr 2025 22:36

Instrument :

BNA_M

ClientSampleId :

PB167767BS

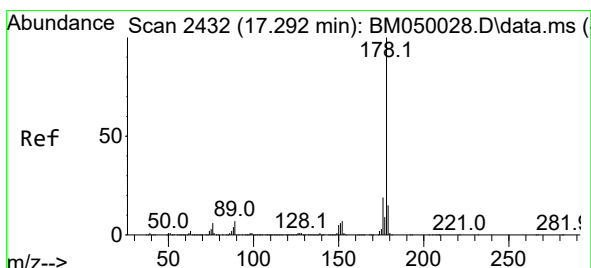
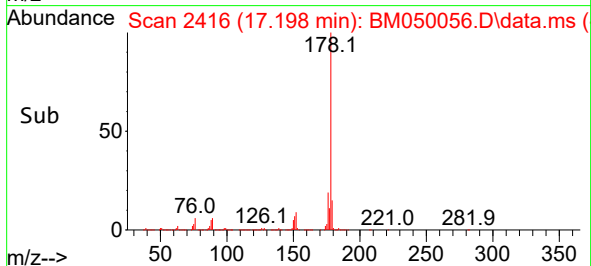
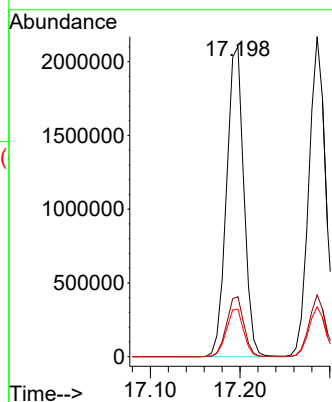
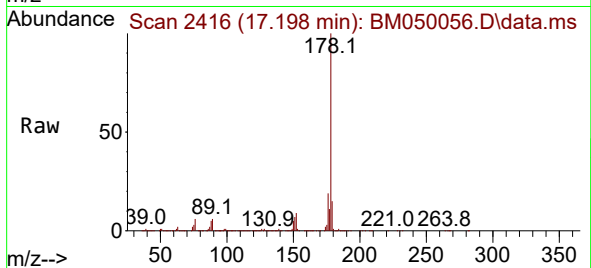
Tgt Ion:178 Resp: 2812828

Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

179 15.2 12.4 18.6



#72

Anthracene

Concen: 47.941 ng

RT: 17.286 min Scan# 2431

Delta R.T. -0.006 min

Lab File: BM050056.D

Acq: 30 Apr 2025 22:36

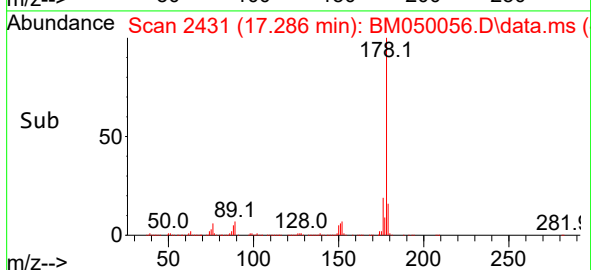
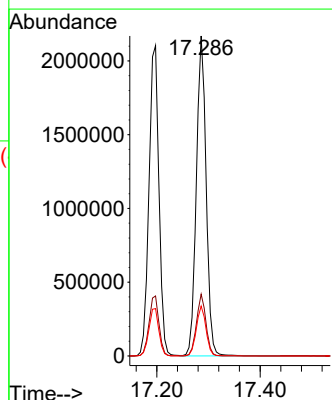
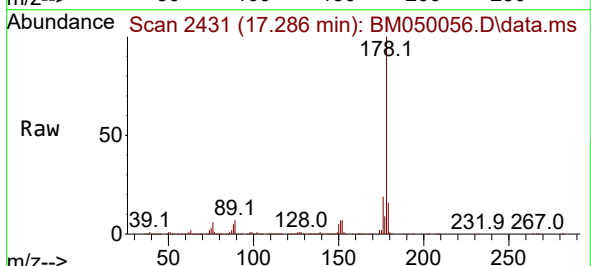
Tgt Ion:178 Resp: 2854263

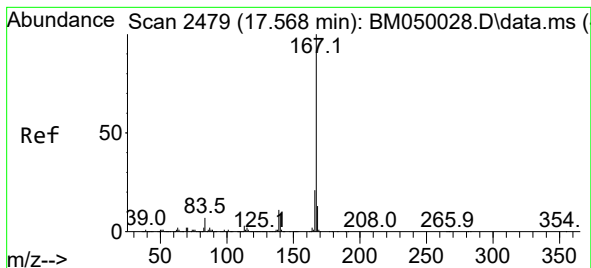
Ion Ratio Lower Upper

178 100

176 19.3 15.0 22.4

179 15.6 12.2 18.4





#73

Carbazole

Concen: 46.165 ng

RT: 17.562 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM050056.D

Acq: 30 Apr 2025 22:36

Instrument :

BNA_M

ClientSampleId :

PB167767BS

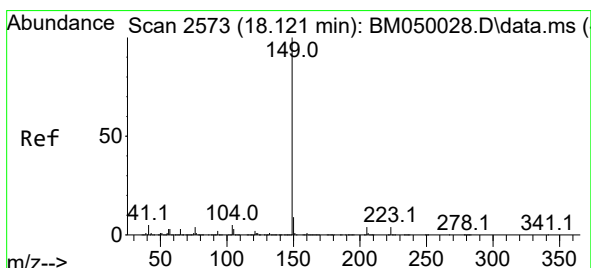
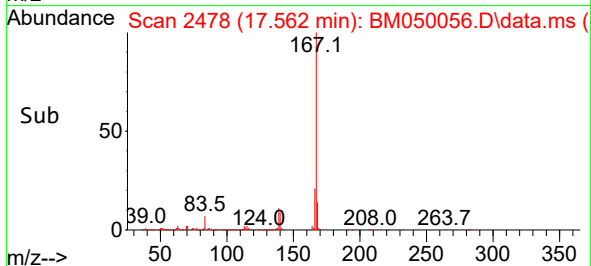
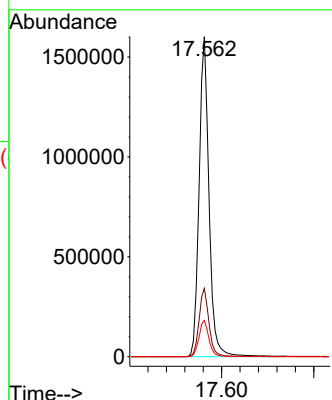
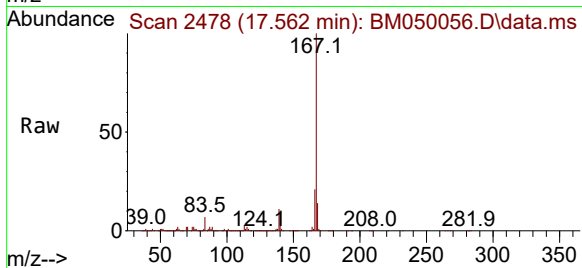
Tgt Ion:167 Resp: 2385066

Ion Ratio Lower Upper

167 100

166 21.4 17.2 25.8

139 11.4 9.0 13.6



#74

Di-n-butylphthalate

Concen: 45.971 ng

RT: 18.121 min Scan# 2573

Delta R.T. -0.000 min

Lab File: BM050056.D

Acq: 30 Apr 2025 22:36

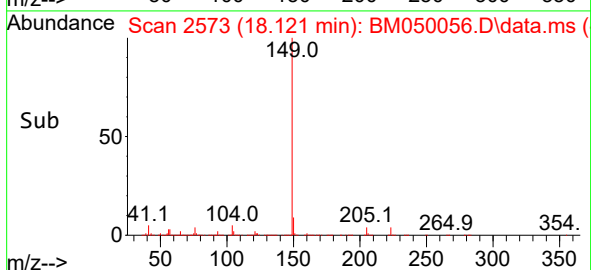
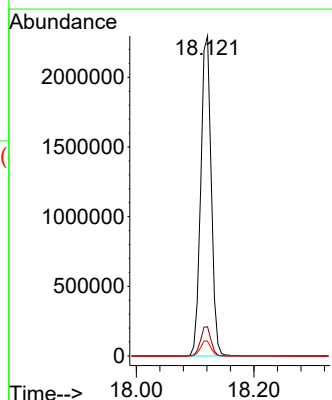
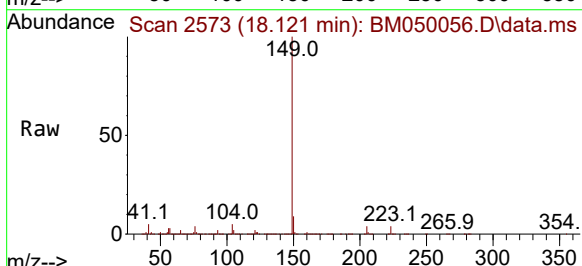
Tgt Ion:149 Resp: 2828360

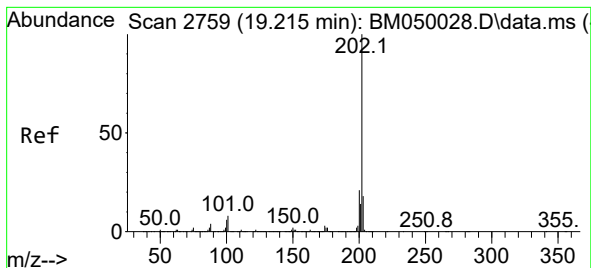
Ion Ratio Lower Upper

149 100

150 9.1 7.3 10.9

104 4.6 3.8 5.6

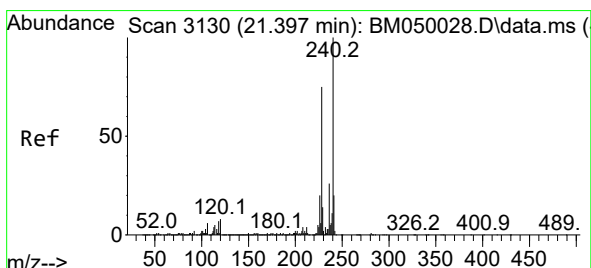
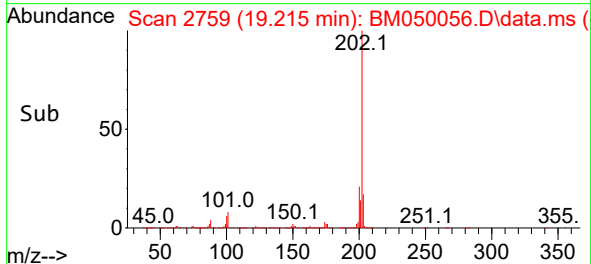
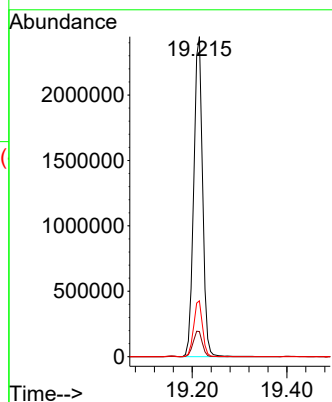
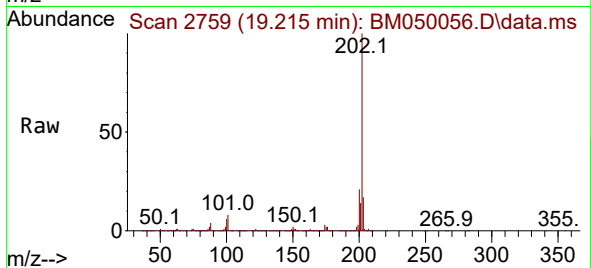




#75
Fluoranthene
Concen: 45.635 ng
RT: 19.215 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

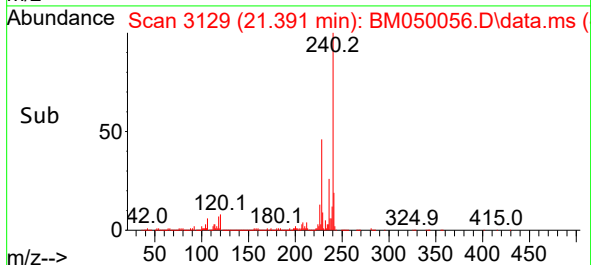
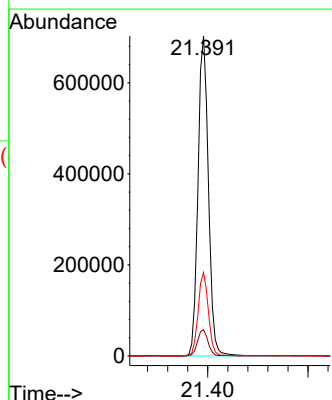
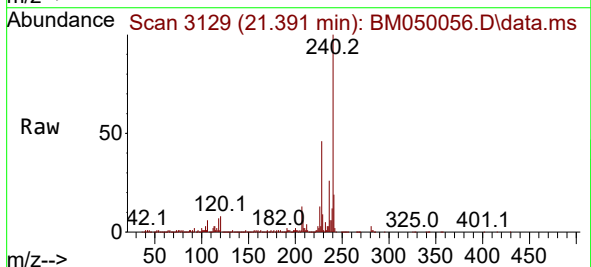
Instrument :
BNA_M
ClientSampleId :
PB167767BS

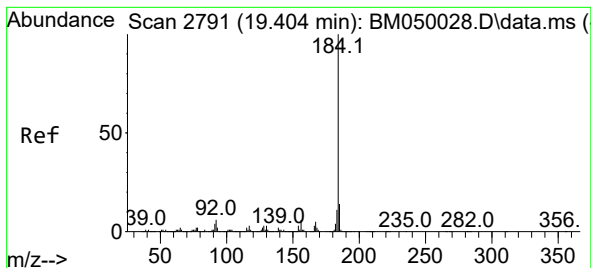
Tgt Ion:202 Resp: 3152095
Ion Ratio Lower Upper
202 100
101 7.9 0.0 28.0
203 17.5 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.391 min Scan# 3129
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:240 Resp: 1009737
Ion Ratio Lower Upper
240 100
120 8.2 6.5 9.7
236 26.1 20.9 31.3





#77

Benzidine

Concen: 28.283 ng

RT: 19.403 min Scan# 21

Delta R.T. -0.001 min

Lab File: BM050056.D

Acq: 30 Apr 2025 22:36

Instrument :

BNA_M

ClientSampleId :

PB167767BS

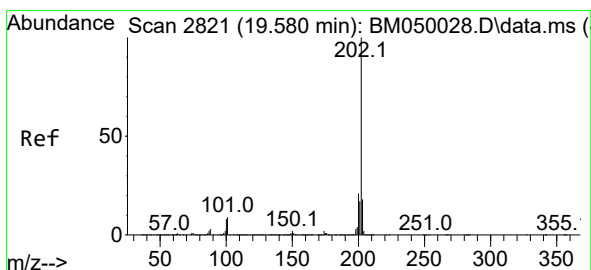
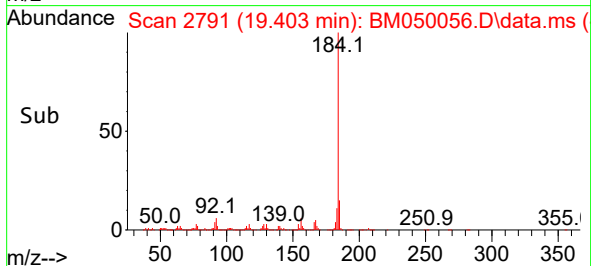
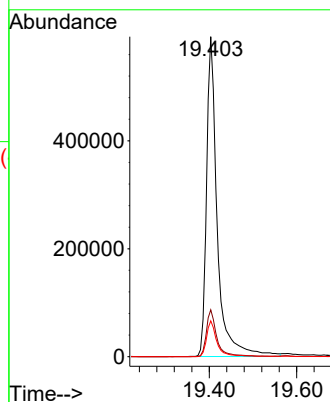
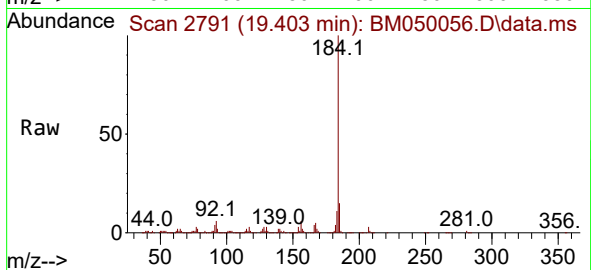
Tgt Ion:184 Resp: 1014430

Ion Ratio Lower Upper

184 100

185 14.7 11.5 17.3

183 11.2 8.9 13.3



#78

Pyrene

Concen: 45.988 ng

RT: 19.574 min Scan# 2820

Delta R.T. -0.006 min

Lab File: BM050056.D

Acq: 30 Apr 2025 22:36

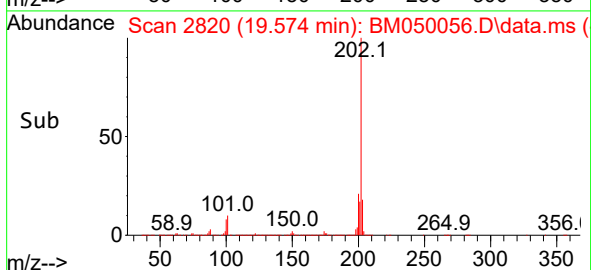
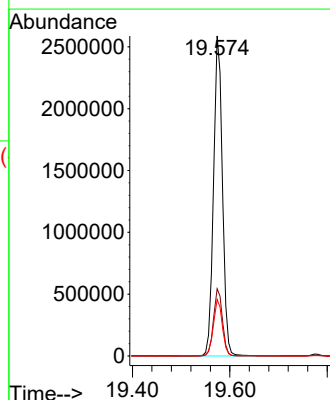
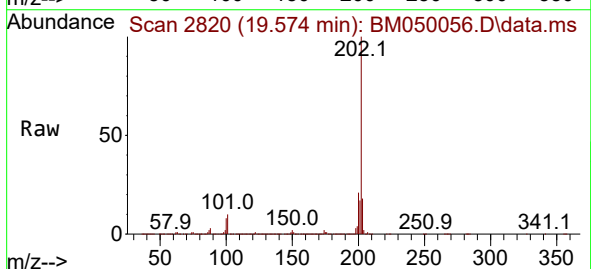
Tgt Ion:202 Resp: 3260859

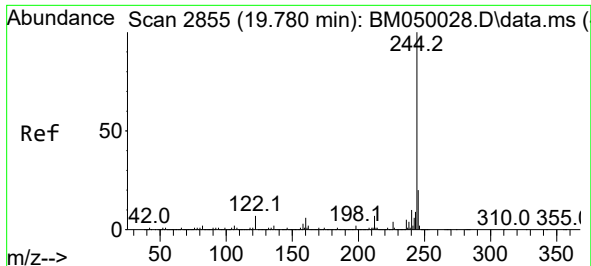
Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 17.6 14.1 21.1

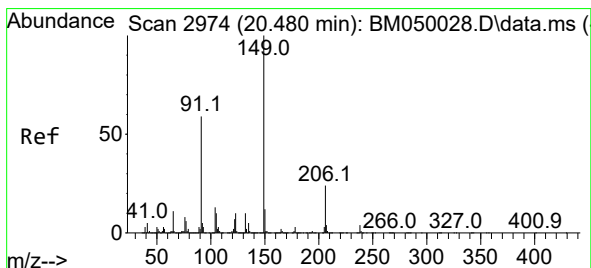
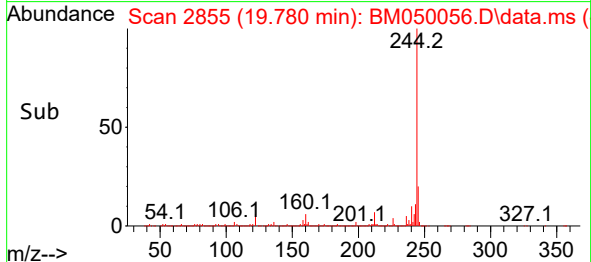
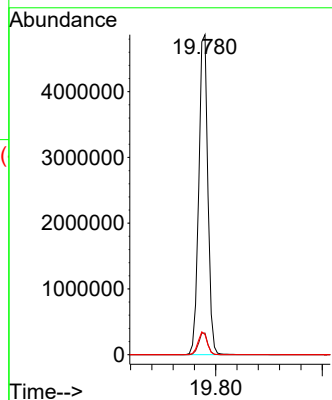
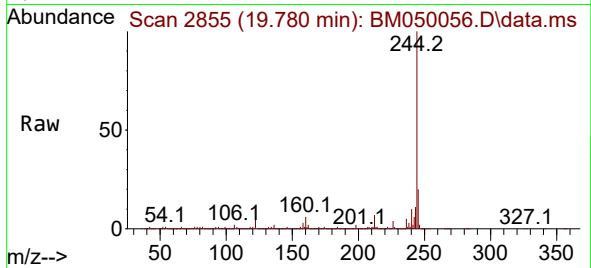




#79
 Terphenyl-d14
 Concen: 84.481 ng
 RT: 19.780 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BM050056.D
 Acq: 30 Apr 2025 22:36

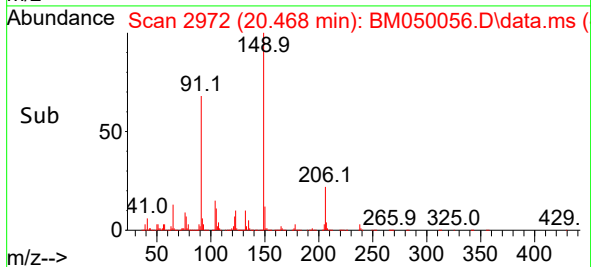
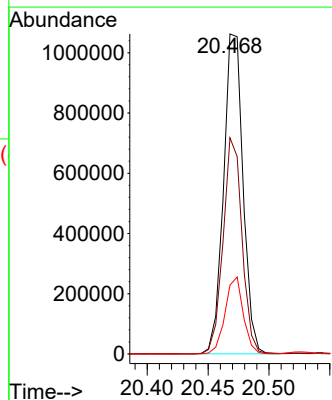
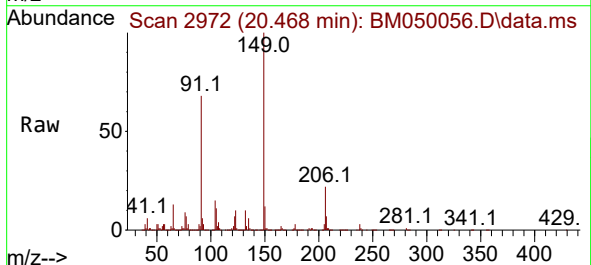
Instrument :
 BNA_M
 ClientSampleId :
 PB167767BS

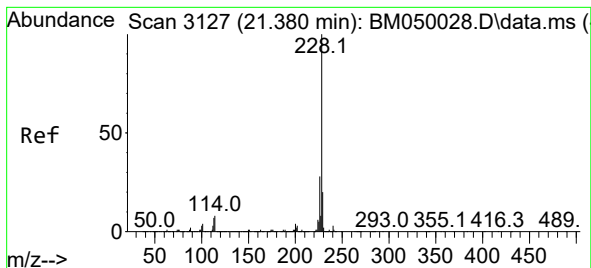
Tgt Ion:244 Resp: 5764733
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 6.3 5.6 8.4



#80
 Butylbenzylphthalate
 Concen: 44.703 ng
 RT: 20.468 min Scan# 2972
 Delta R.T. -0.012 min
 Lab File: BM050056.D
 Acq: 30 Apr 2025 22:36

Tgt Ion:149 Resp: 1187182
 Ion Ratio Lower Upper
 149 100
 91 67.5 47.4 71.2
 206 21.5 19.4 29.0





#81

Benzo(a)anthracene

Concen: 47.331 ng

RT: 21.374 min Scan# 3126

Delta R.T. -0.006 min

Lab File: BM050056.D

Acq: 30 Apr 2025 22:36

Instrument :

BNA_M

ClientSampleId :

PB167767BS

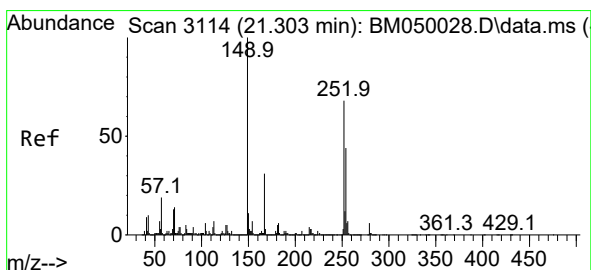
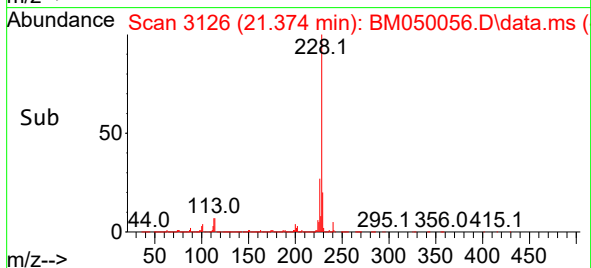
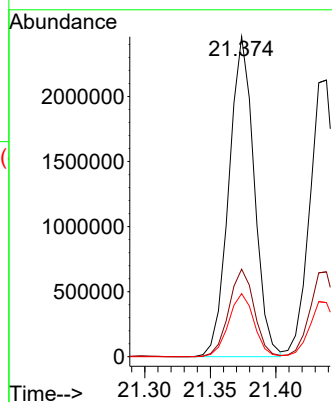
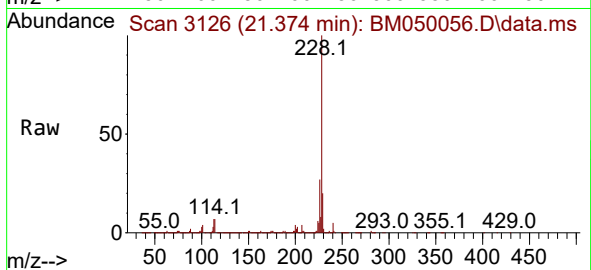
Tgt Ion:228 Resp: 3291107

Ion Ratio Lower Upper

228 100

226 27.3 22.1 33.1

229 19.7 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 22.376 ng

RT: 21.297 min Scan# 3113

Delta R.T. -0.006 min

Lab File: BM050056.D

Acq: 30 Apr 2025 22:36

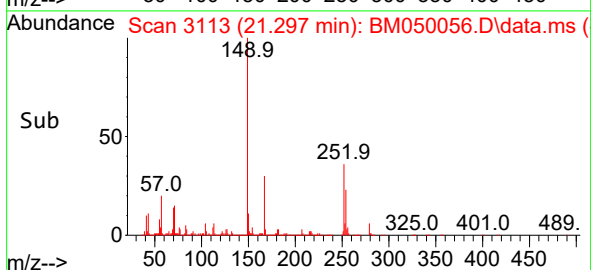
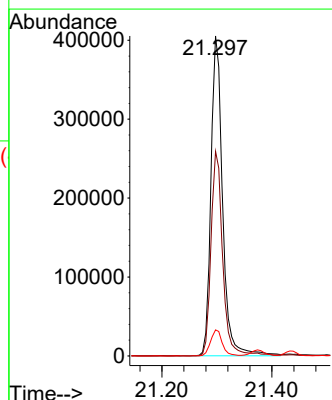
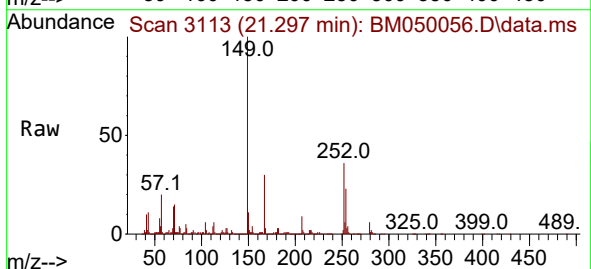
Tgt Ion:252 Resp: 595613

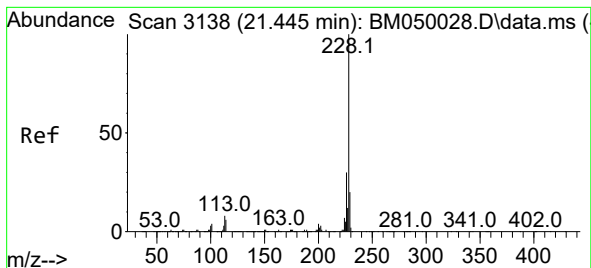
Ion Ratio Lower Upper

252 100

254 64.0 51.8 77.6

126 8.1 6.0 9.0





#83

Chrysene

Concen: 47.027 ng

RT: 21.439 min Scan# 3138

Delta R.T. -0.006 min

Lab File: BM050056.D

Acq: 30 Apr 2025 22:36

Instrument :

BNA_M

ClientSampleId :

PB167767BS

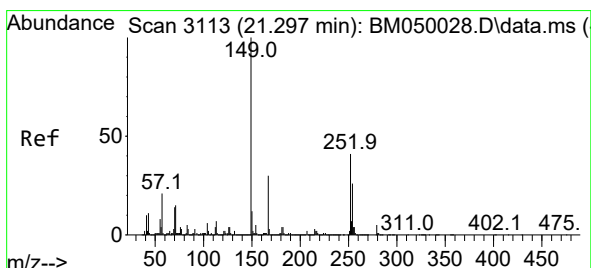
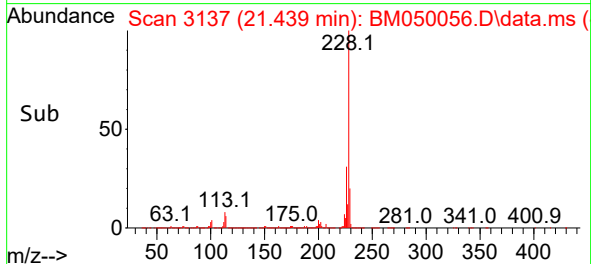
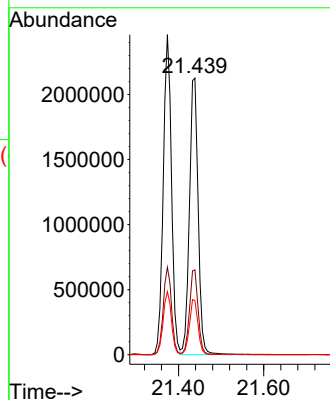
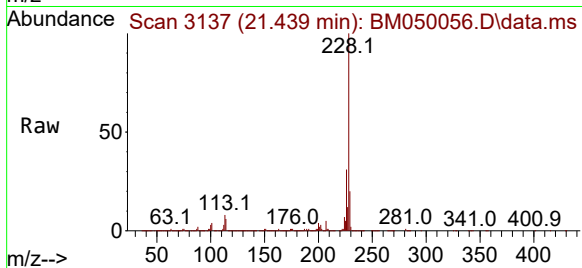
Tgt Ion:228 Resp: 3026421

Ion Ratio Lower Upper

228 100

226 30.7 24.2 36.2

229 19.6 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.744 ng

RT: 21.291 min Scan# 3112

Delta R.T. -0.006 min

Lab File: BM050056.D

Acq: 30 Apr 2025 22:36

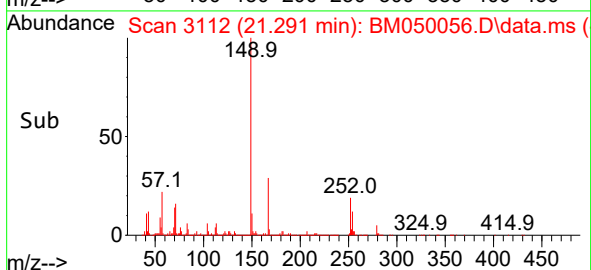
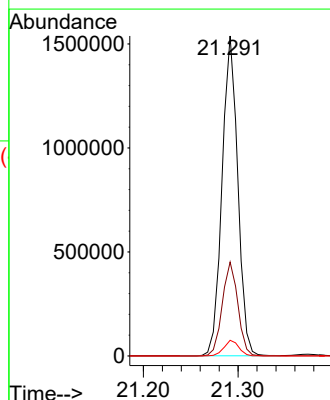
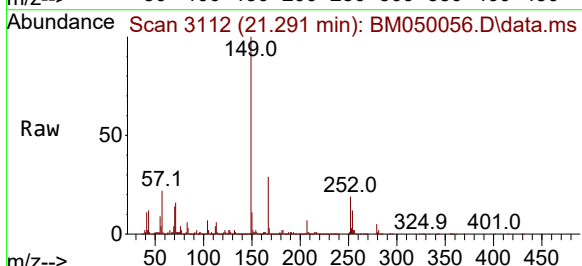
Tgt Ion:149 Resp: 1774890

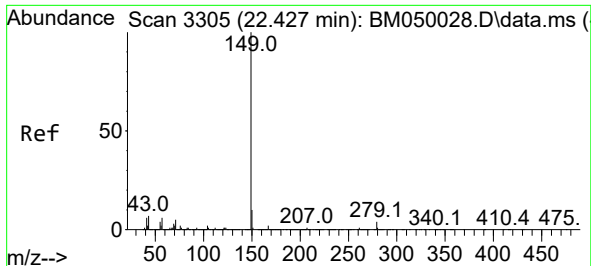
Ion Ratio Lower Upper

149 100

167 29.4 24.1 36.1

279 4.9 3.9 5.9

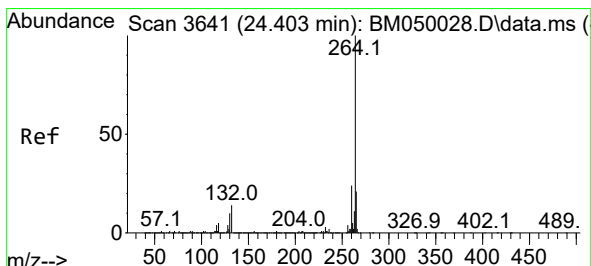
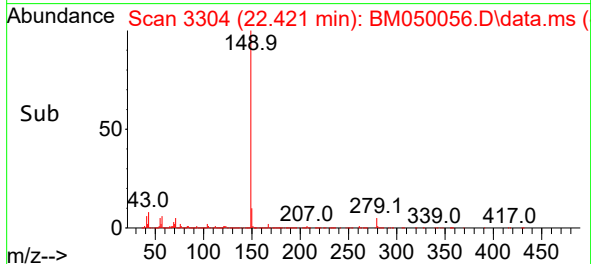
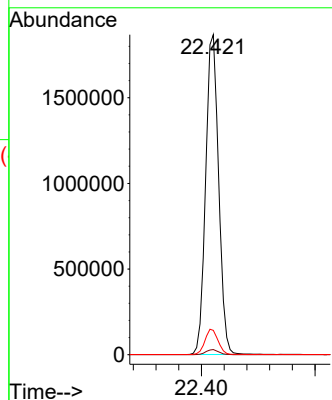
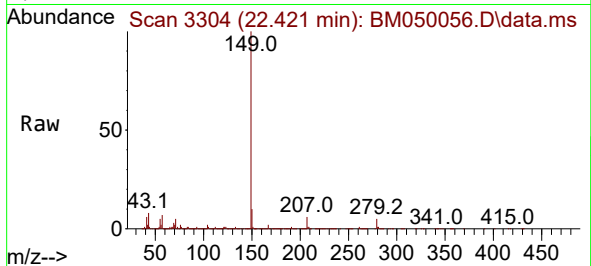




#85
Di-n-octyl phthalate
Concen: 44.999 ng
RT: 22.421 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

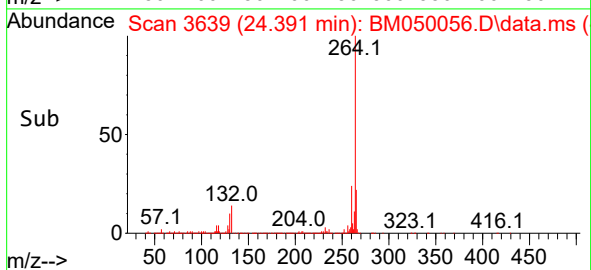
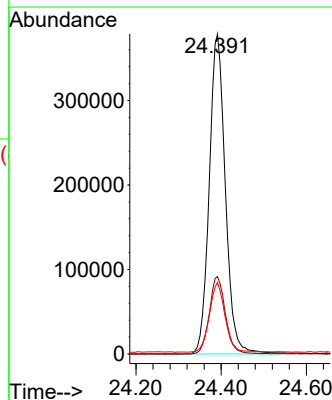
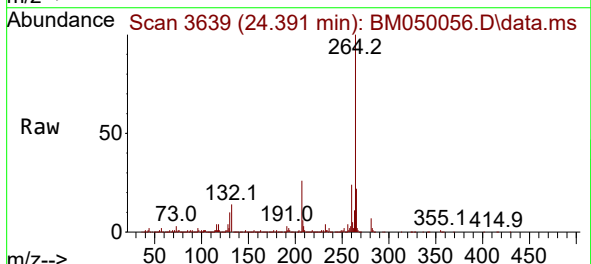
Instrument :
BNA_M
ClientSampleId :
PB167767BS

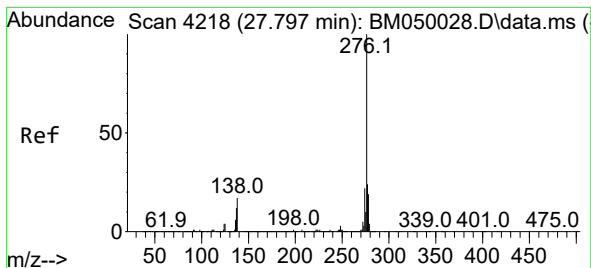
Tgt Ion:149 Resp: 2943736
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.0 5.8 8.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.391 min Scan# 3639
Delta R.T. -0.012 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:264 Resp: 991820
Ion Ratio Lower Upper
264 100
260 24.2 18.8 28.2
265 22.3 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 51.452 ng

RT: 27.785 min Scan# 41

Delta R.T. -0.012 min

Lab File: BM050056.D

Acq: 30 Apr 2025 22:36

Instrument :

BNA_M

ClientSampleId :

PB167767BS

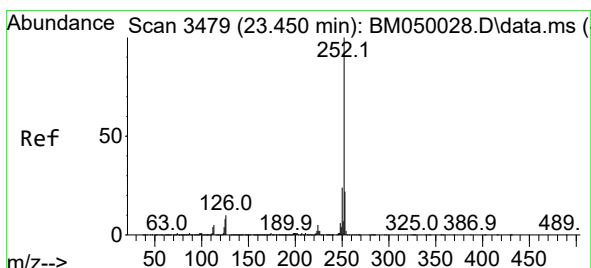
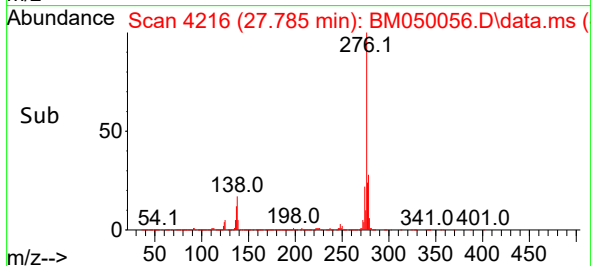
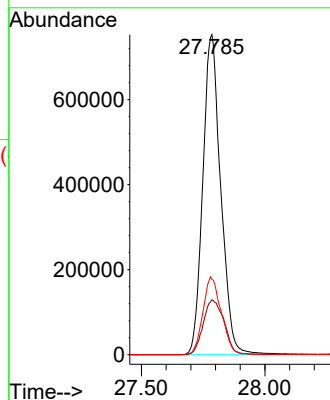
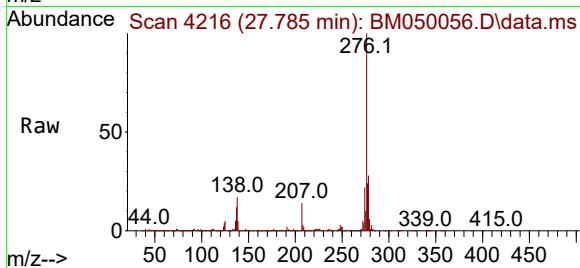
Tgt Ion:276 Resp: 3802462

Ion Ratio Lower Upper

276 100

138 19.9 16.4 24.6

277 25.0 19.8 29.8



#88

Benzo(b)fluoranthene

Concen: 47.637 ng

RT: 23.444 min Scan# 3478

Delta R.T. -0.006 min

Lab File: BM050056.D

Acq: 30 Apr 2025 22:36

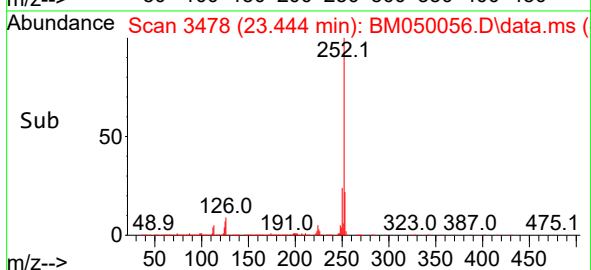
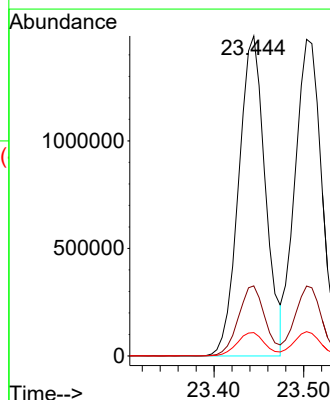
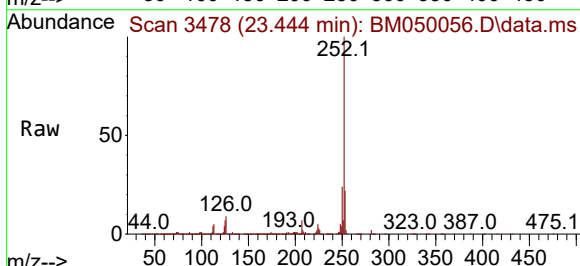
Tgt Ion:252 Resp: 3072621

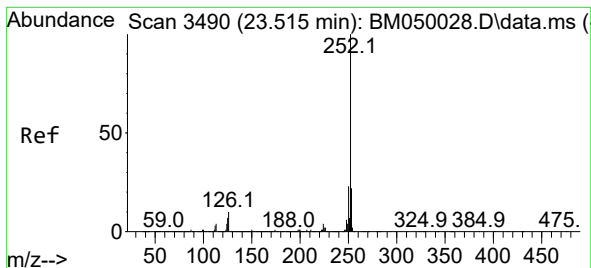
Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

125 7.3 6.1 9.1





#89

Benzo(k)fluoranthene

Concen: 47.074 ng

RT: 23.503 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM050056.D

Acq: 30 Apr 2025 22:36

Instrument :

BNA_M

ClientSampleId :

PB167767BS

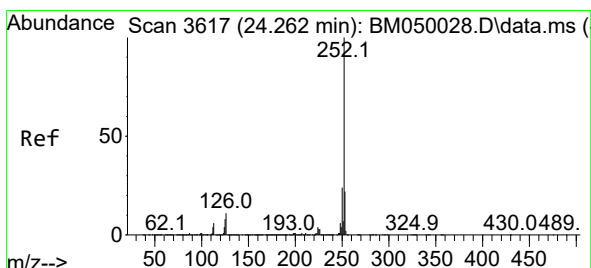
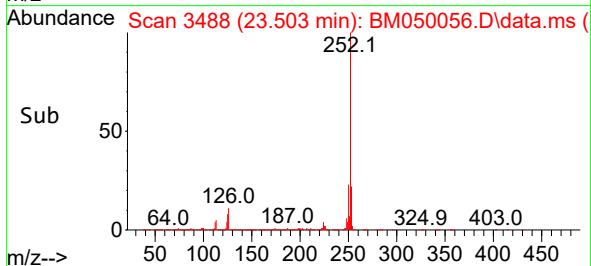
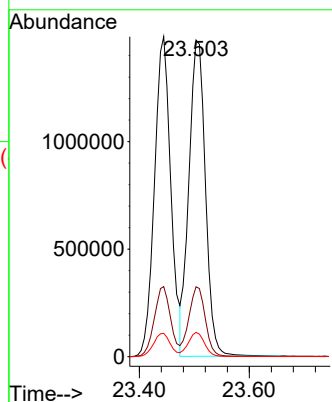
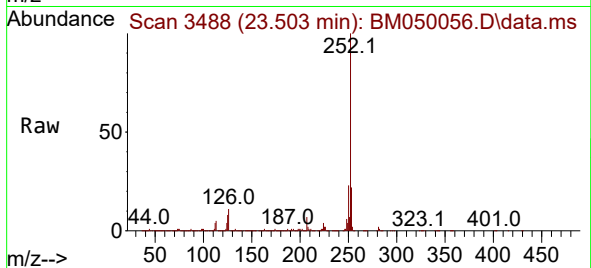
Tgt Ion:252 Resp: 3071354

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

125 7.7 5.8 8.8



#90

Benzo(a)pyrene

Concen: 47.701 ng

RT: 24.250 min Scan# 3615

Delta R.T. -0.012 min

Lab File: BM050056.D

Acq: 30 Apr 2025 22:36

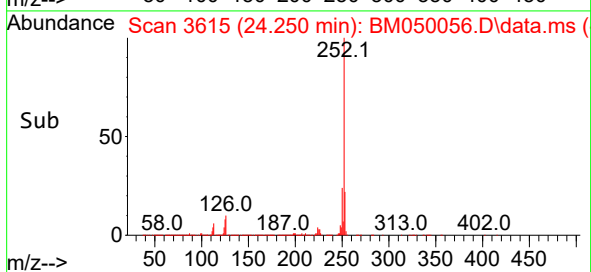
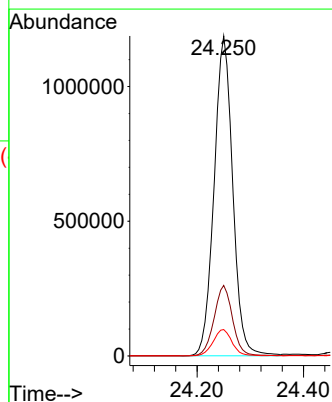
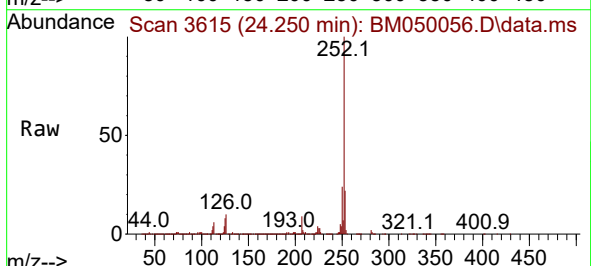
Tgt Ion:252 Resp: 2881740

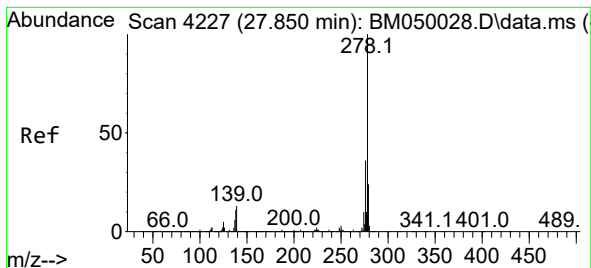
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

125 8.3 6.6 9.8





#91

Dibenzo(a,h)anthracene

Concen: 51.930 ng

RT: 27.826 min Scan# 41

Delta R.T. -0.024 min

Lab File: BM050056.D

Acq: 30 Apr 2025 22:36

Instrument :

BNA_M

ClientSampleId :

PB167767BS

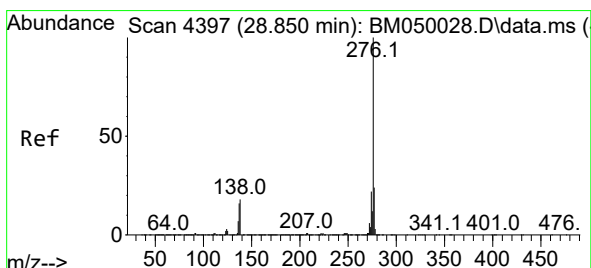
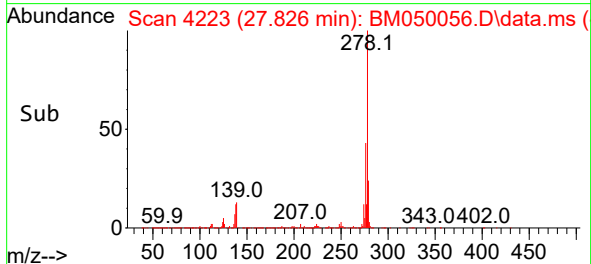
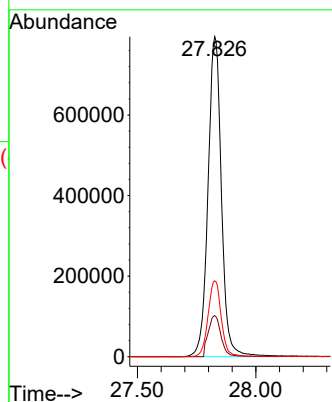
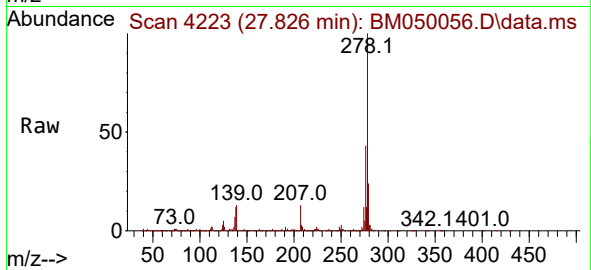
Tgt Ion:278 Resp: 3128406

Ion Ratio Lower Upper

278 100

139 12.8 10.5 15.7

279 23.7 19.4 29.0



#92

Benzo(g,h,i)perylene

Concen: 51.741 ng

RT: 28.838 min Scan# 4395

Delta R.T. -0.012 min

Lab File: BM050056.D

Acq: 30 Apr 2025 22:36

Tgt Ion:276 Resp: 2984145

Ion Ratio Lower Upper

276 100

277 23.2 19.1 28.7

138 16.8 14.3 21.5

