

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042925\
 Data File : BM050038.D
 Acq On : 29 Apr 2025 11:39
 Operator : RC/JU
 Sample : Q1870-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 38073-100124

Quant Time: Apr 29 12:23:19 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)

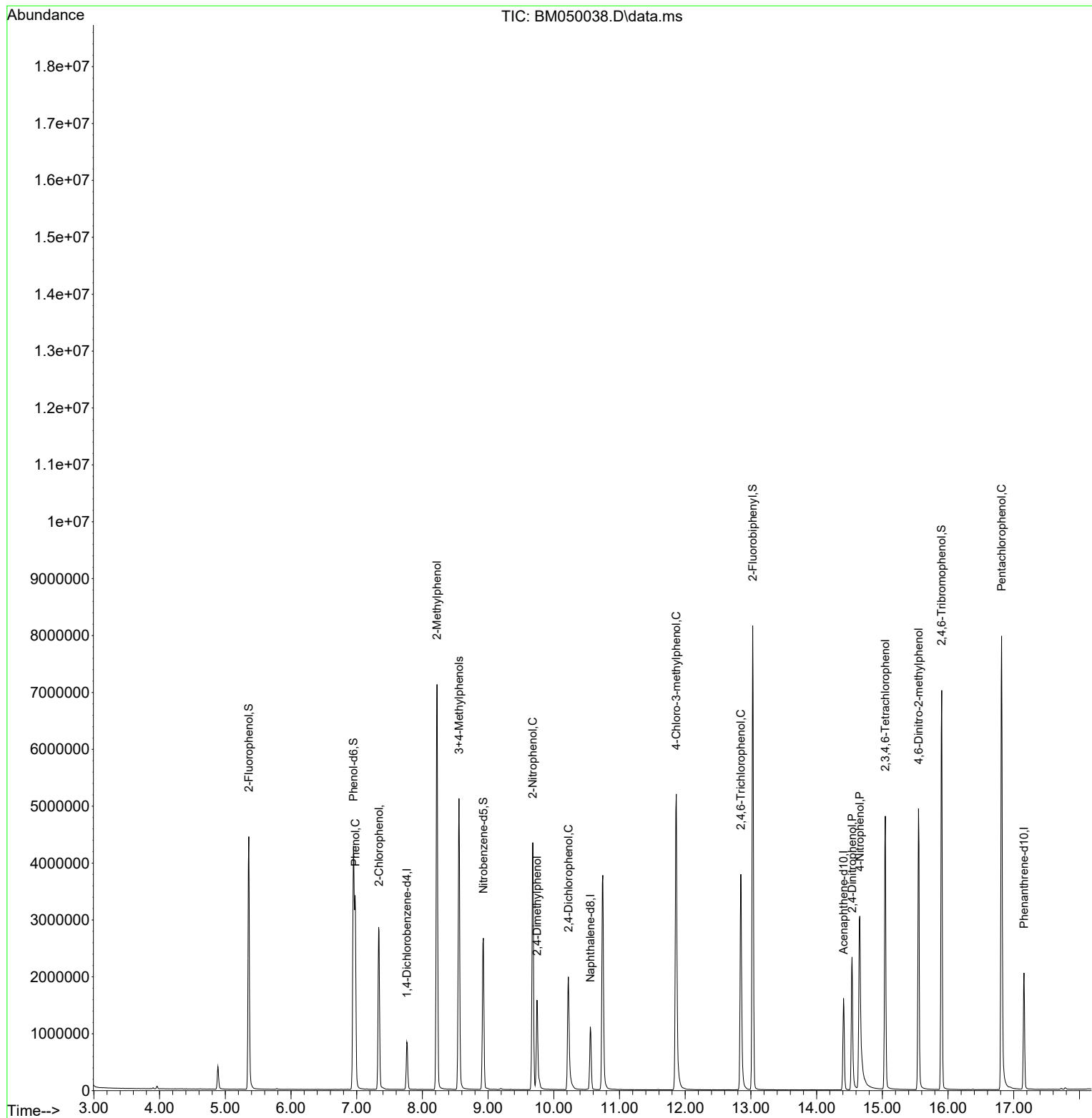
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	245413	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	914618	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	618114	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1211511	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1057120	20.000	ng	0.00
86) Perylene-d12	24.403	264	1117523	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	2025635	144.533	ng	0.00
7) Phenol-d6	6.951	99	2630309	149.322	ng	0.00
23) Nitrobenzene-d5	8.928	82	1551763	83.604	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	1407153	153.962	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	4363352	83.509	ng	0.00
79) Terphenyl-d14	19.780	244	7391887	103.471	ng	0.00
Target Compounds						Qvalue
8) 2-Chlorophenol	7.340	128	1351687	89.201	ng	100
10) Phenol	6.981	94	1764956	98.975	ng	97
17) 2-Methylphenol	8.222	107	2184055	185.916	ng	98
20) 3+4-Methylphenols	8.557	107	1923303	121.233	ng	91
26) 2-Nitrophenol	9.681	139	1546833	188.661	ng	99
27) 2,4-Dimethylphenol	9.745	122	524727	38.592	ng	98
29) 2,4-Dichlorophenol	10.222	162	933870	61.308	ng	99
36) 4-Chloro-3-methylphenol	11.863	107	2073107	147.310	ng	99
43) 2,4,6-Trichlorophenol	12.845	196	1151938	84.878	ng	97
54) 2,4-Dinitrophenol	14.539	184	658465	107.856	ng	99
56) 4-Nitrophenol	14.657	139	1345989	179.320	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.045	232	1063736	83.970	ng	98
65) 4,6-Dinitro-2-methylph...	15.551	198	1381151	182.123	ng	97
70) Pentachlorophenol	16.815	266	1687241	177.494	ng	99

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

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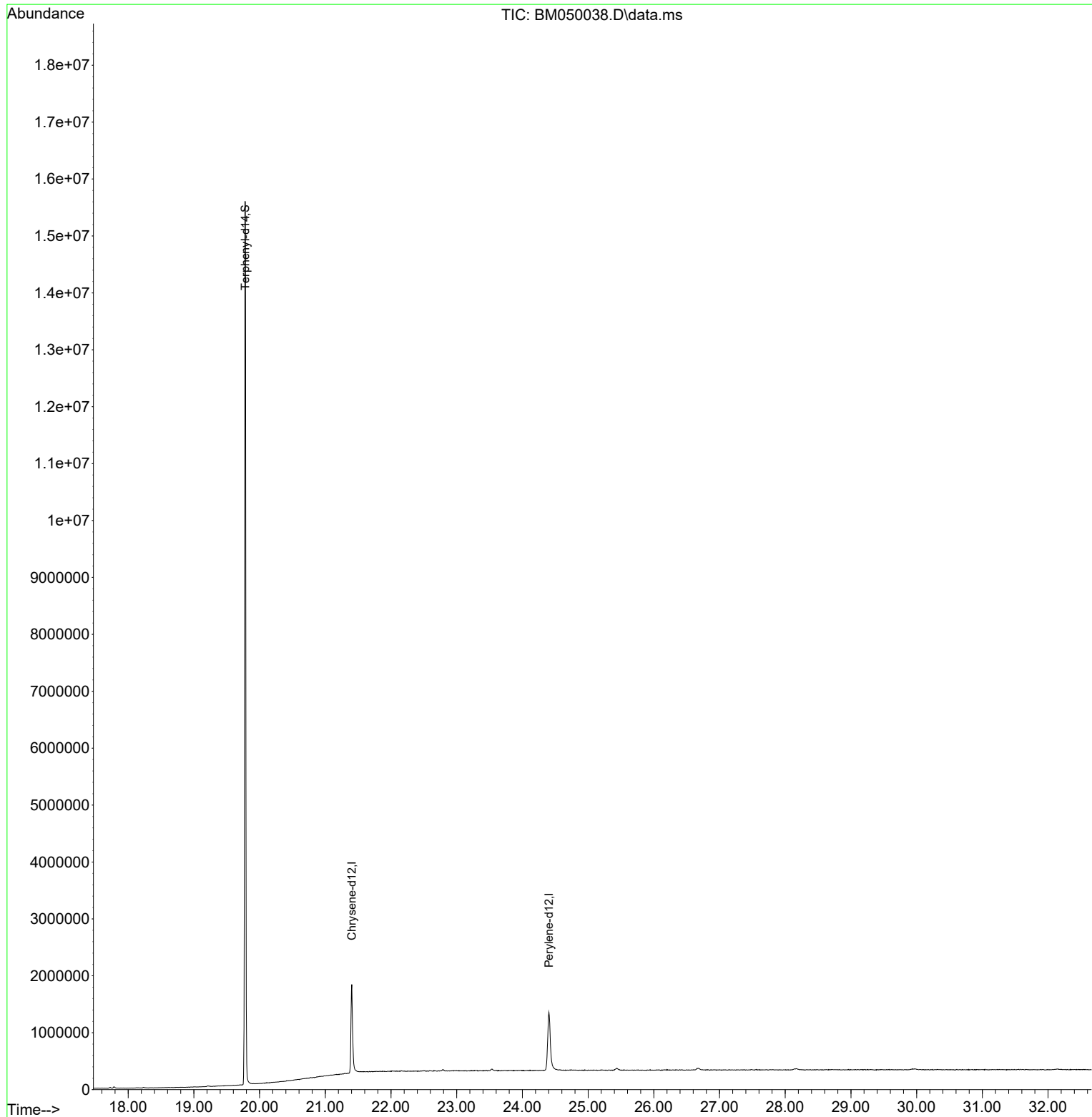
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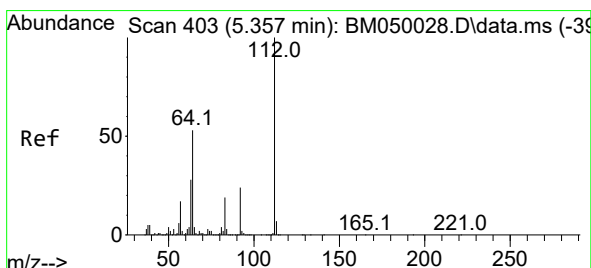
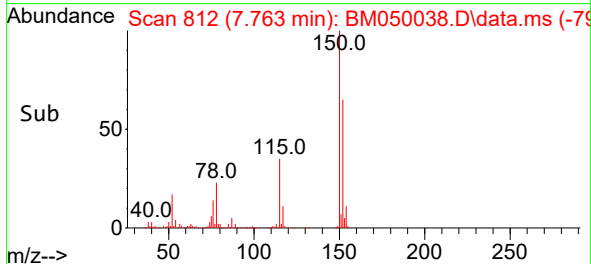
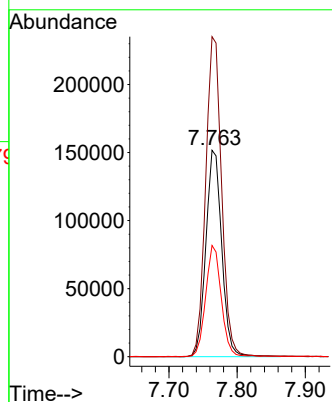
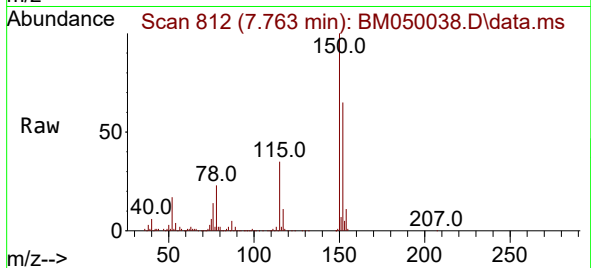




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 813
Delta R.T. -0.006 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

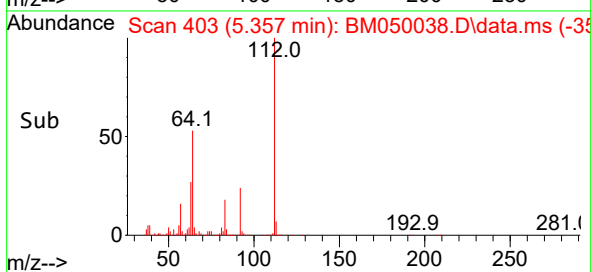
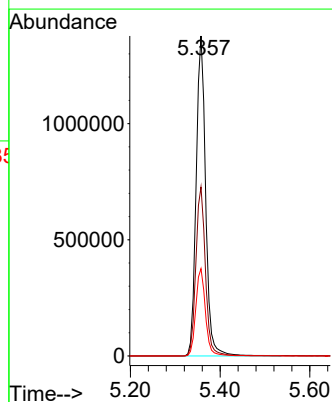
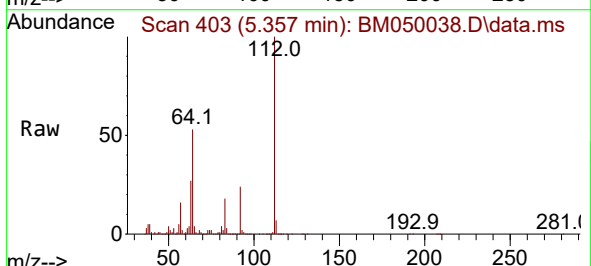
Instrument :
BNA_M
ClientSampleId :
38073-100124

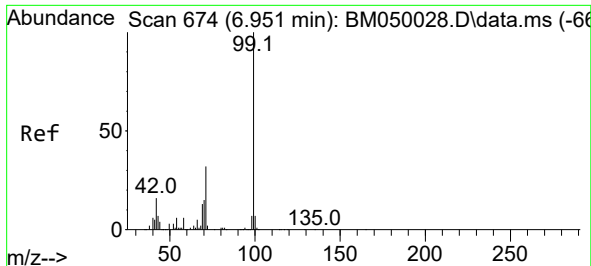
Tgt Ion:152 Resp: 245413
Ion Ratio Lower Upper
152 100
150 155.0 124.1 186.1
115 53.9 41.2 61.8



#5
2-Fluorophenol
Concen: 144.533 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Tgt Ion:112 Resp: 2025635
Ion Ratio Lower Upper
112 100
64 52.8 42.6 64.0
63 27.3 22.2 33.4

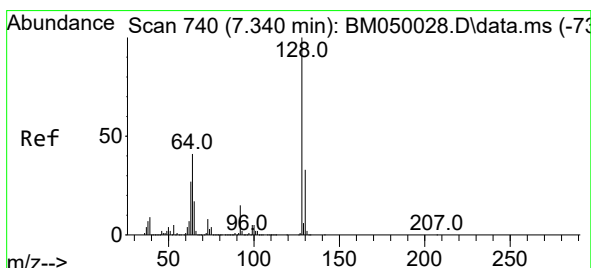
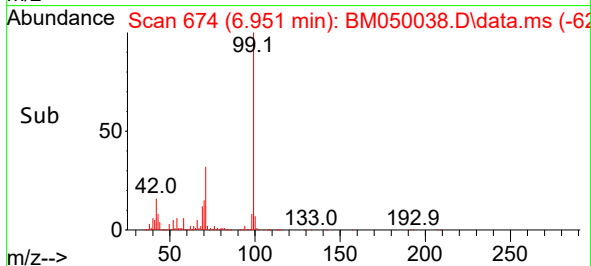
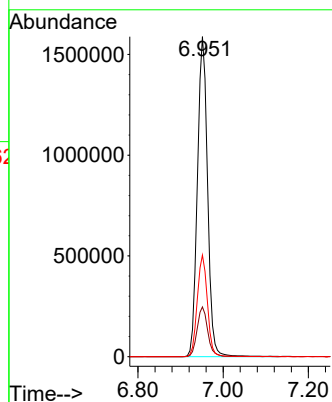
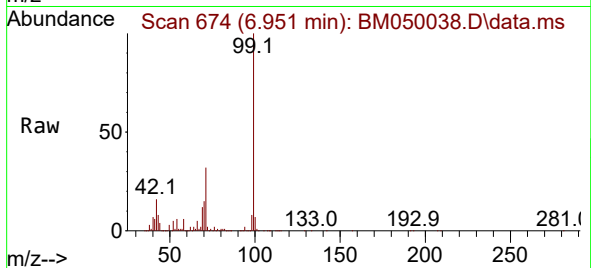




#7
Phenol-d6
Concen: 149.322 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

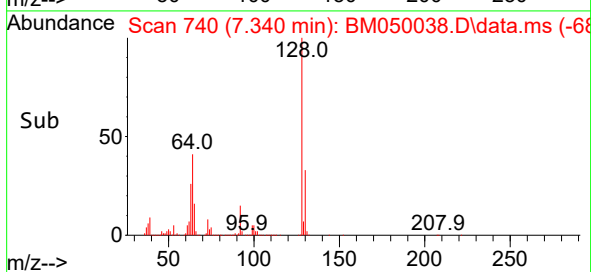
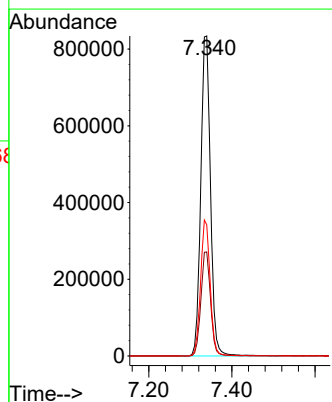
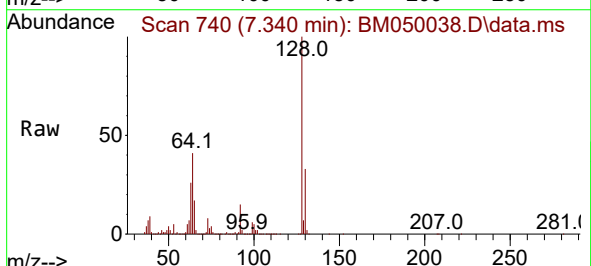
Instrument :
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ClientSampleId :
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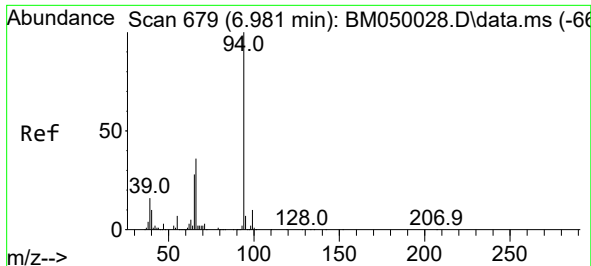
Tgt Ion: 99 Resp: 2630309
Ion Ratio Lower Upper
99 100
42 15.5 13.0 19.4
71 31.8 25.6 38.4



#8
2-Chlorophenol
Concen: 89.201 ng
RT: 7.340 min Scan# 740
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Tgt Ion:128 Resp: 1351687
Ion Ratio Lower Upper
128 100
130 32.5 12.8 52.8
64 40.9 21.2 61.2

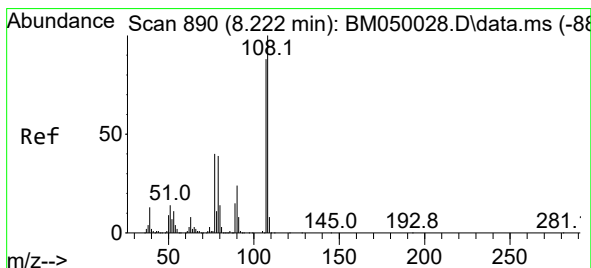
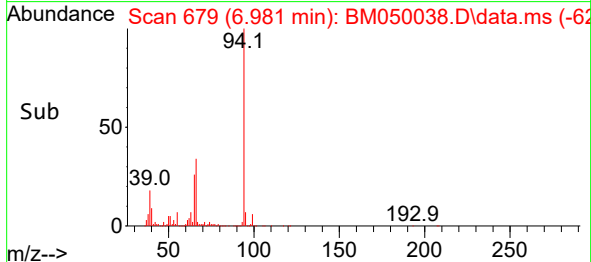
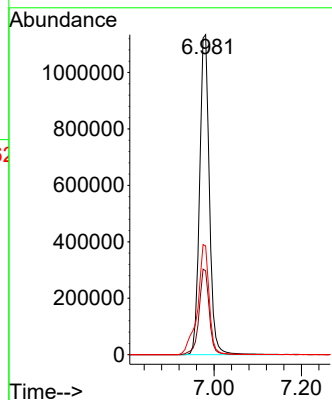
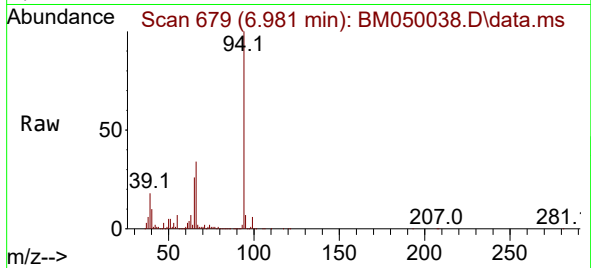




#10
Phenol
Concen: 98.975 ng
RT: 6.981 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

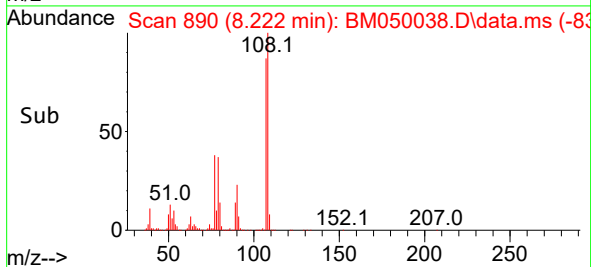
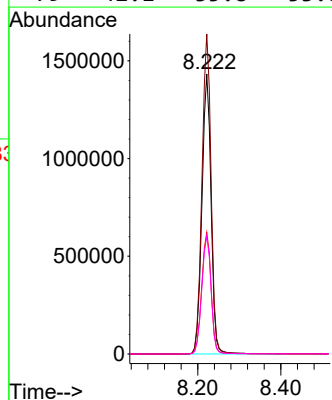
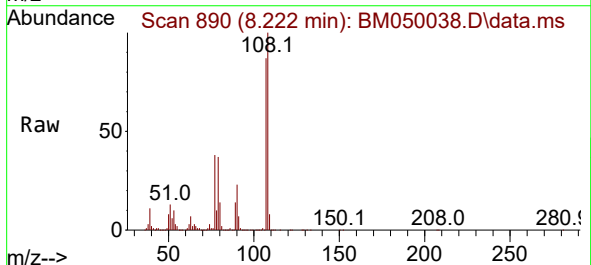
Instrument :
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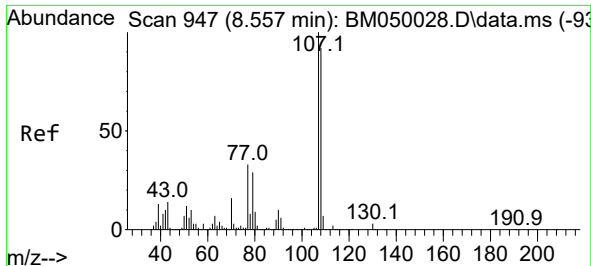
Tgt Ion: 94 Resp: 1764956
Ion Ratio Lower Upper
94 100
65 26.2 7.6 47.6
66 34.0 15.8 55.8



#17
2-Methylphenol
Concen: 185.916 ng
RT: 8.222 min Scan# 890
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Tgt Ion: 107 Resp: 2184055
Ion Ratio Lower Upper
107 100
108 114.3 91.1 136.7
77 43.4 36.2 54.4
79 42.1 35.8 53.8

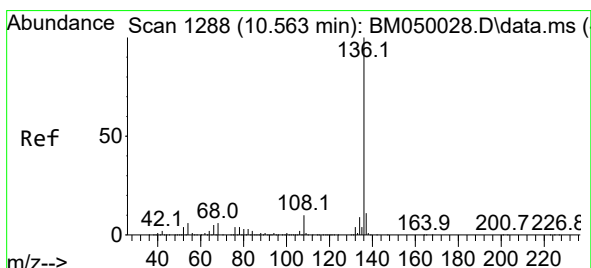
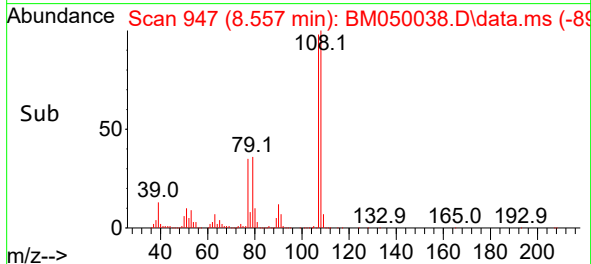
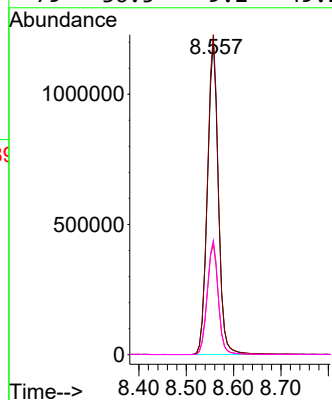
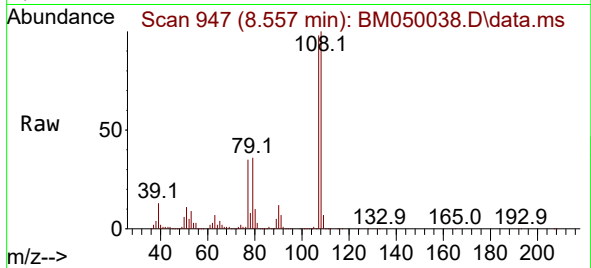




#20
3+4-Methylphenols
Concen: 121.233 ng
RT: 8.557 min Scan# 94
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

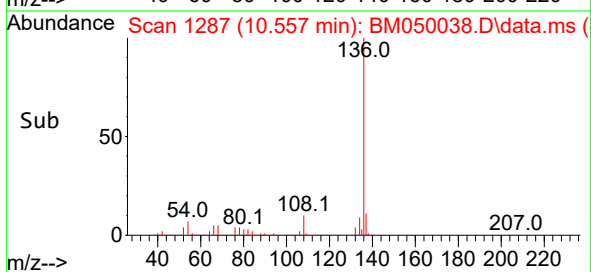
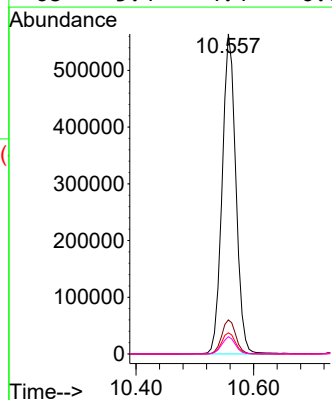
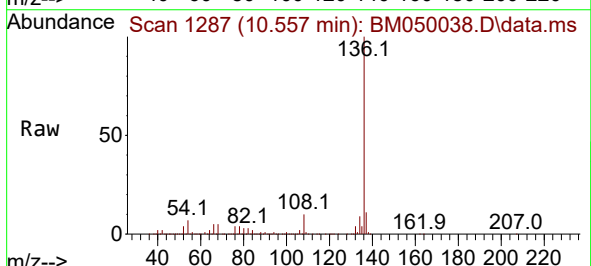
Instrument :
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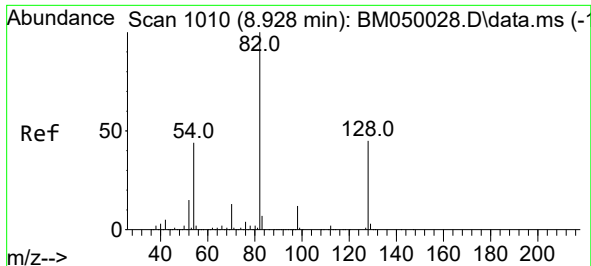
Tgt Ion:107 Resp: 1923303
Ion Ratio Lower Upper
107 100
108 102.1 72.4 112.4
77 35.4 13.6 53.6
79 36.5 9.2 49.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Tgt Ion:136 Resp: 914618
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 6.6 5.1 7.7
68 5.4 4.4 6.6

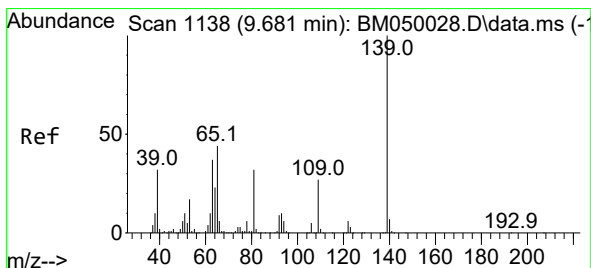
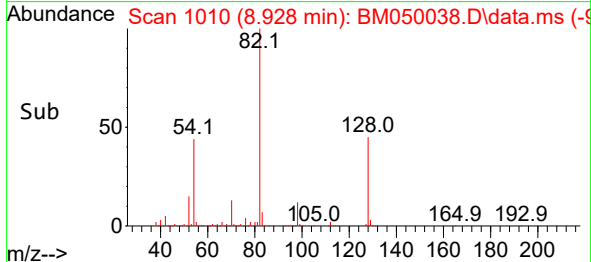
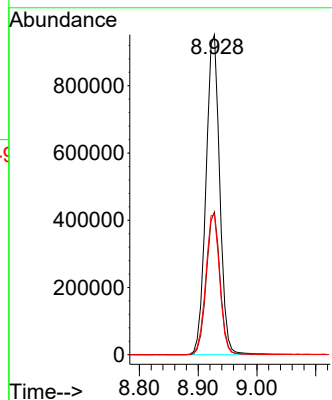
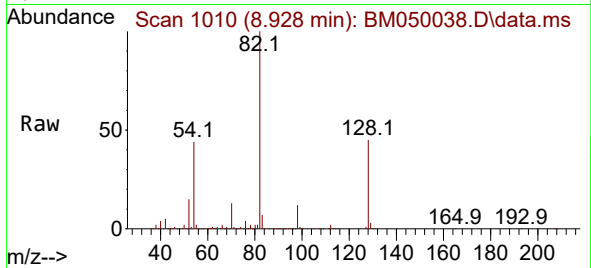




#23
Nitrobenzene-d5
Concen: 83.604 ng
RT: 8.928 min Scan# 1010
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

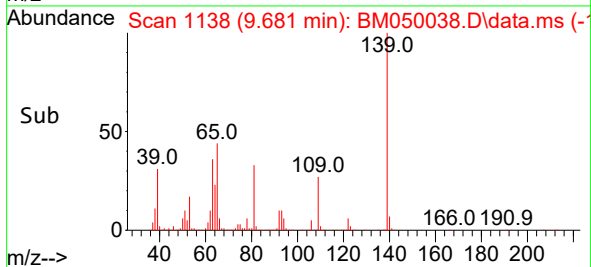
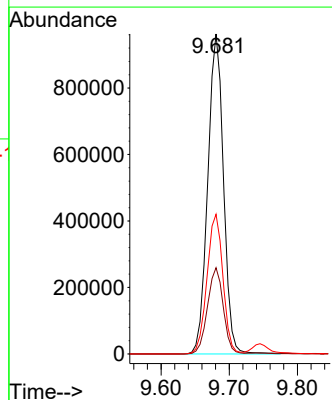
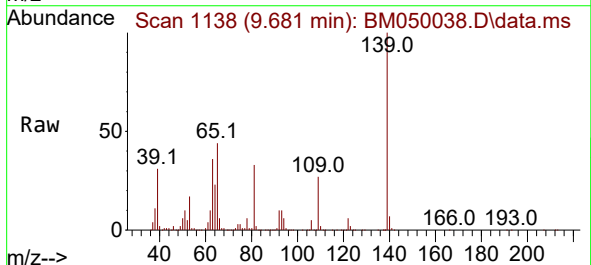
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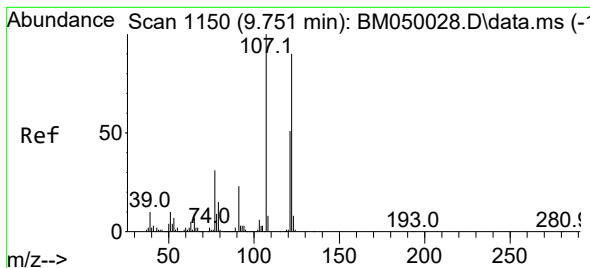
Tgt Ion: 82 Resp: 1551763
Ion Ratio Lower Upper
82 100
128 44.6 35.7 53.5
54 43.7 35.4 53.2



#26
2-Nitrophenol
Concen: 188.661 ng
RT: 9.681 min Scan# 1138
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Tgt Ion:139 Resp: 1546833
Ion Ratio Lower Upper
139 100
109 27.0 21.9 32.9
65 43.7 35.4 53.2

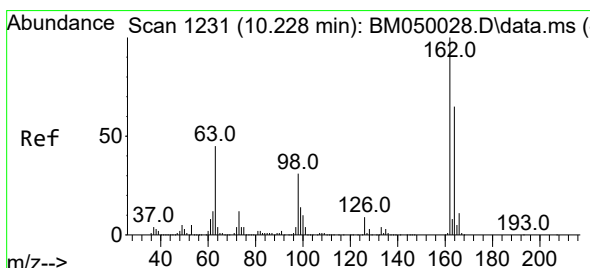
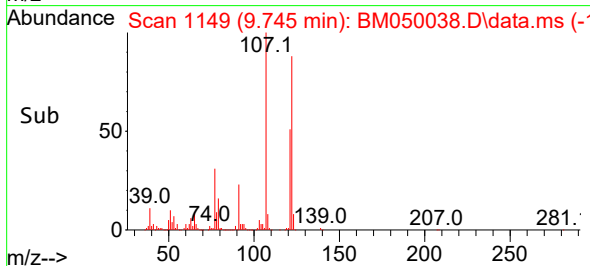
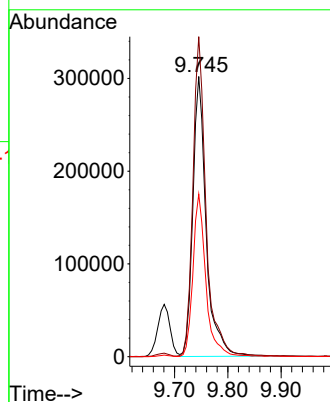
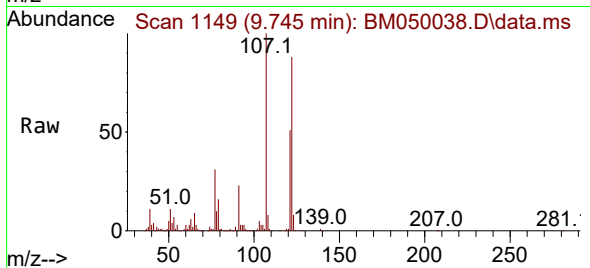




#27
2,4-Dimethylphenol
Concen: 38.592 ng
RT: 9.745 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

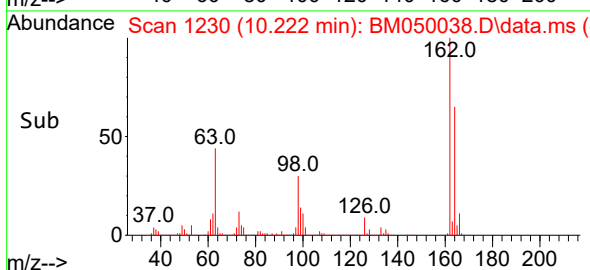
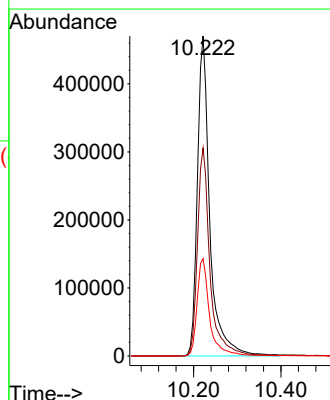
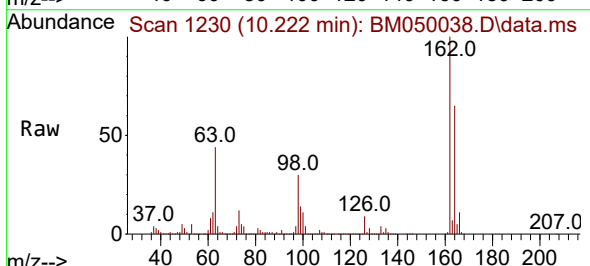
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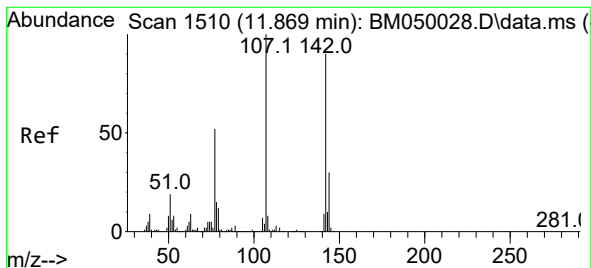
Tgt Ion:122 Resp: 524727
Ion Ratio Lower Upper
122 100
107 114.2 89.0 133.6
121 58.0 45.6 68.4



#29
2,4-Dichlorophenol
Concen: 61.308 ng
RT: 10.222 min Scan# 1230
Delta R.T. -0.006 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Tgt Ion:162 Resp: 933870
Ion Ratio Lower Upper
162 100
164 65.0 45.4 85.4
98 30.4 11.3 51.3

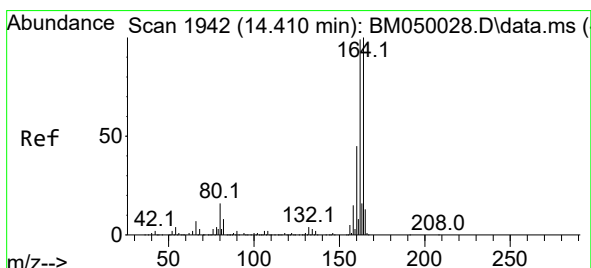
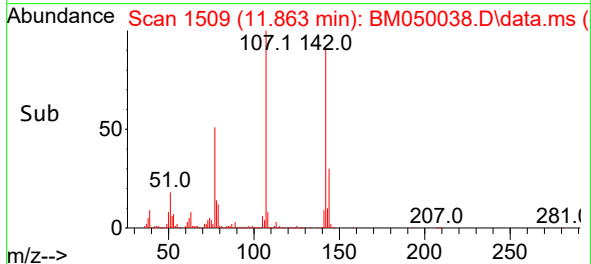
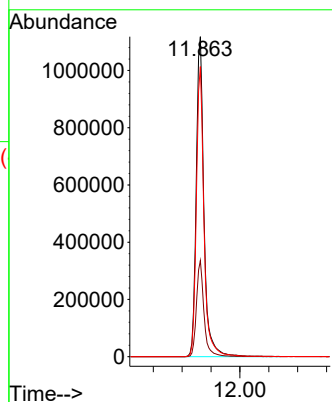
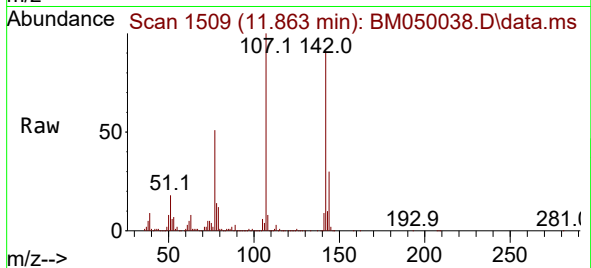




#36
4-Chloro-3-methylphenol
Concen: 147.310 ng
RT: 11.863 min Scan# 1510
Delta R.T. -0.006 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

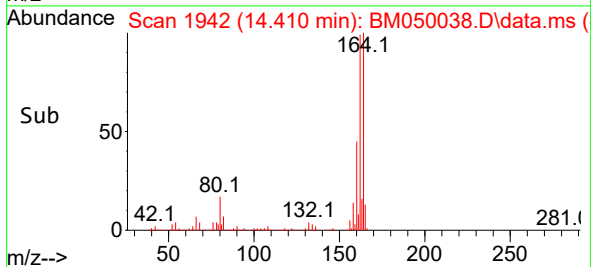
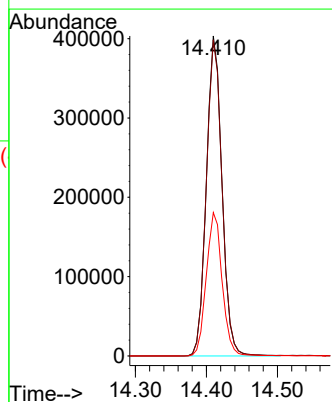
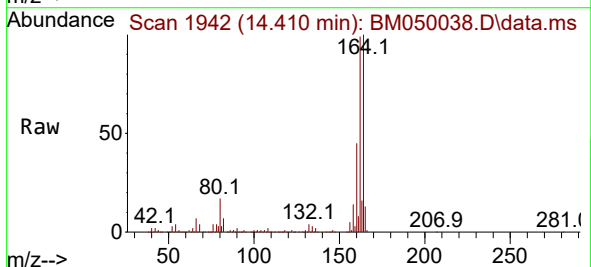
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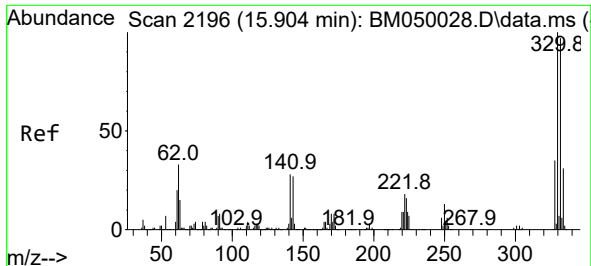
Tgt Ion:107 Resp: 2073107
Ion Ratio Lower Upper
107 100
144 30.1 23.8 35.6
142 90.7 71.9 107.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

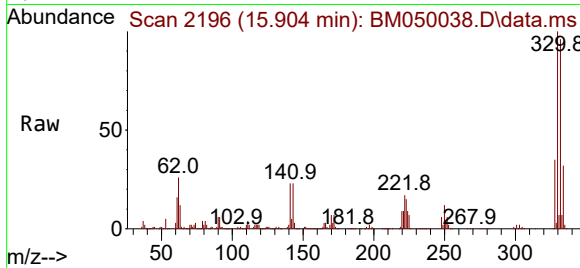
Tgt Ion:164 Resp: 618114
Ion Ratio Lower Upper
164 100
162 98.8 79.4 119.0
160 44.8 36.2 54.4



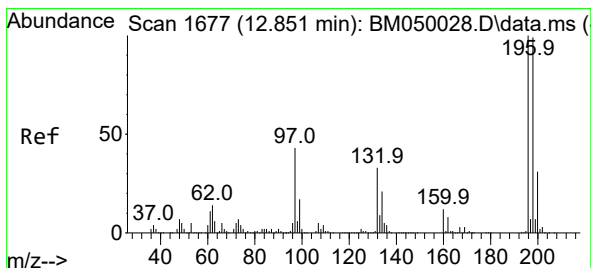
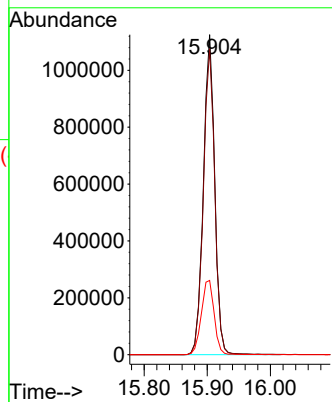
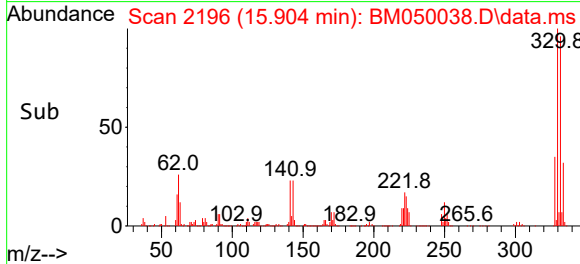


#42
2,4,6-Tribromophenol
Concen: 153.962 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

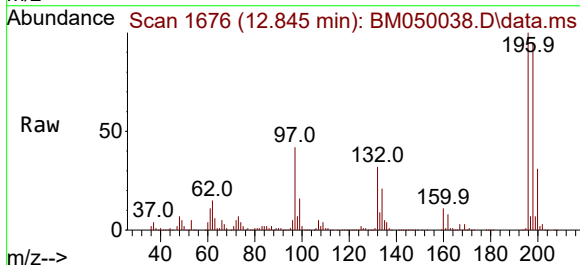
Instrument :
BNA_M
ClientSampleId :
38073-100124



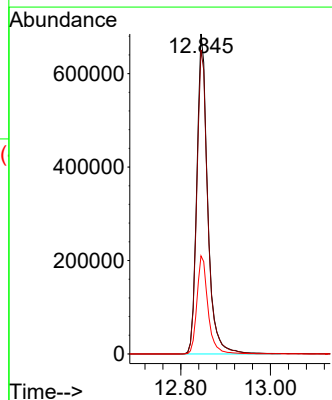
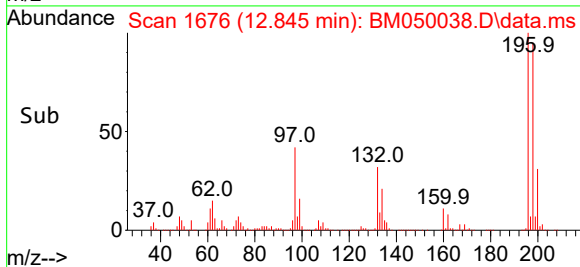
Tgt Ion:330 Resp: 1407153
Ion Ratio Lower Upper
330 100
332 96.3 77.3 115.9
141 26.3 22.5 33.7

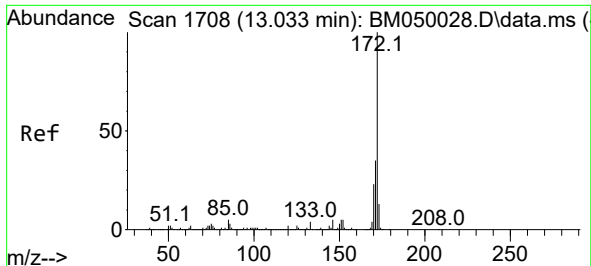


#43
2,4,6-Trichlorophenol
Concen: 84.878 ng
RT: 12.845 min Scan# 1676
Delta R.T. -0.006 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39



Tgt Ion:196 Resp: 1151938
Ion Ratio Lower Upper
196 100
198 95.1 79.0 118.6
200 30.6 25.1 37.7

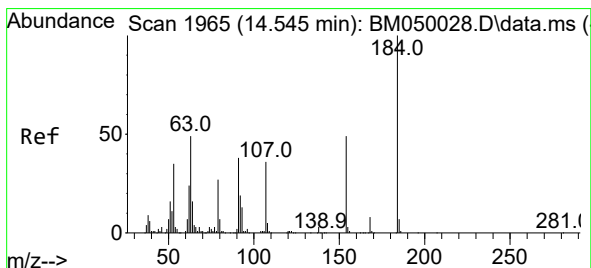
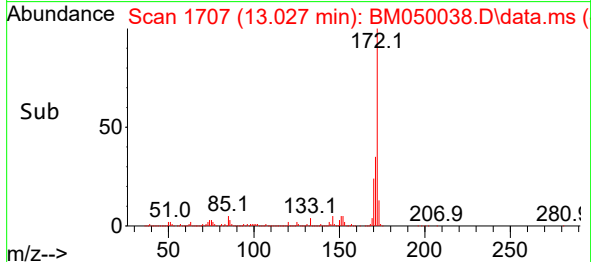
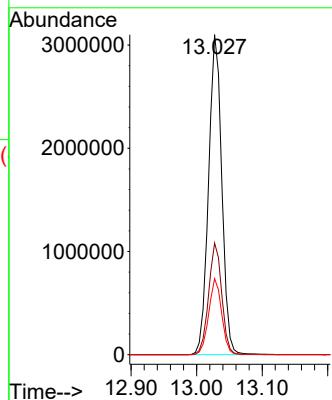
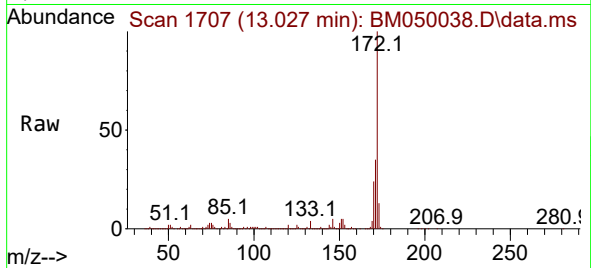




#45
2-Fluorobiphenyl
Concen: 83.509 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

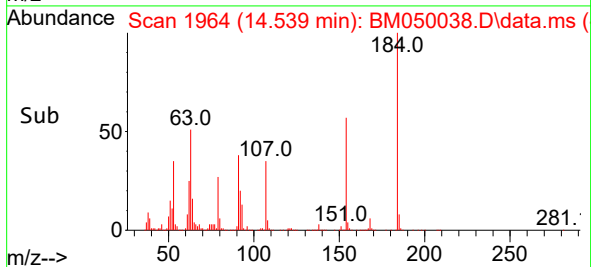
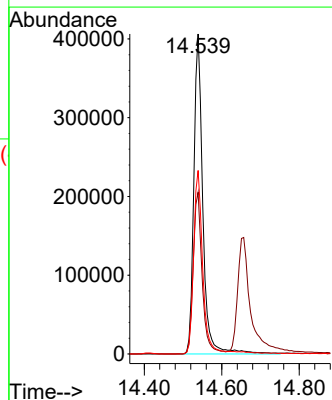
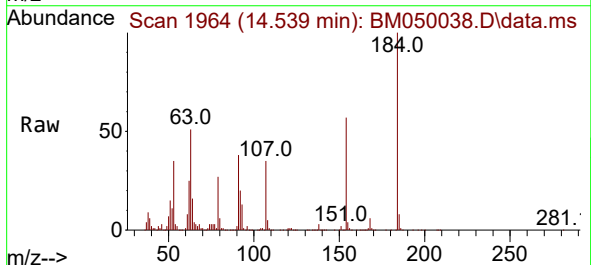
Instrument :
BNA_M
ClientSampleId :
38073-100124

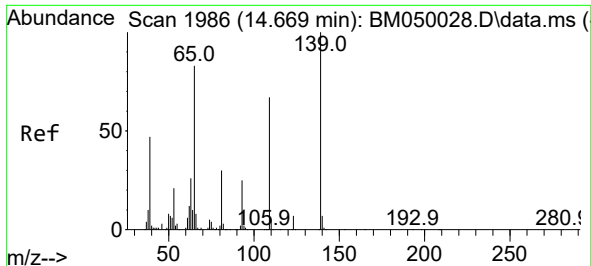
Tgt Ion:172 Resp: 4363352
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.6
170 23.7 18.6 28.0



#54
2,4-Dinitrophenol
Concen: 107.856 ng
RT: 14.539 min Scan# 1964
Delta R.T. -0.006 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Tgt Ion:184 Resp: 658465
Ion Ratio Lower Upper
184 100
63 50.5 39.8 59.6
154 57.4 46.1 69.1

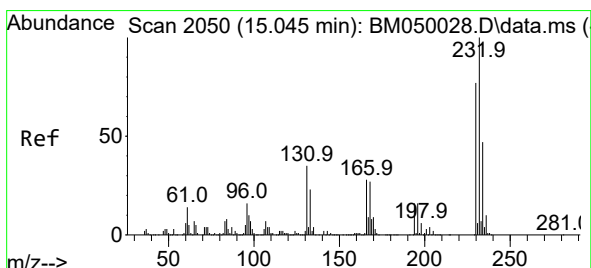
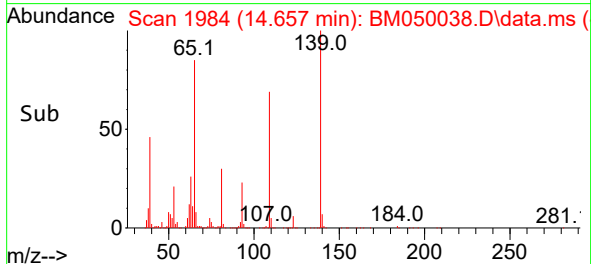
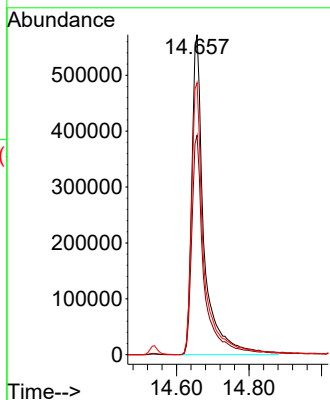
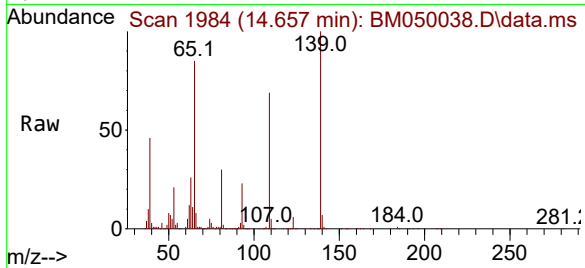




#56
4-Nitrophenol
Concen: 179.320 ng
RT: 14.657 min Scan# 1984
Delta R.T. -0.012 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

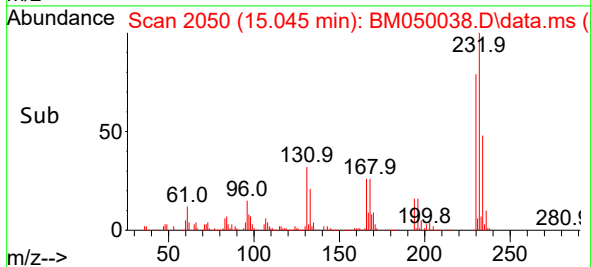
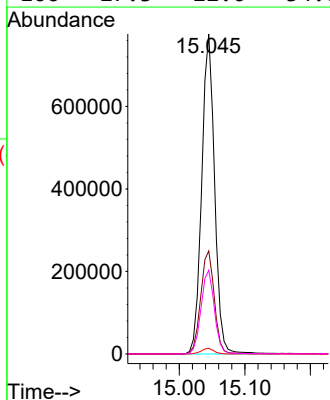
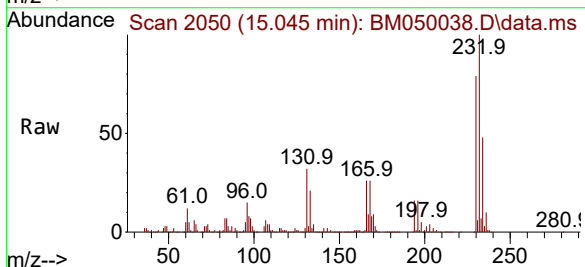
Instrument :
BNA_M
ClientSampleId :
38073-100124

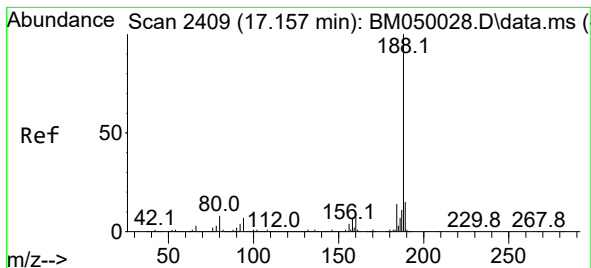
Tgt Ion:139 Resp: 1345989
Ion Ratio Lower Upper
139 100
109 68.6 47.0 87.0
65 85.0 64.3 104.3



#59
2,3,4,6-Tetrachlorophenol
Concen: 83.970 ng
RT: 15.045 min Scan# 2050
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Tgt Ion:232 Resp: 1063736
Ion Ratio Lower Upper
232 100
131 34.1 28.2 42.4
130 1.7 1.5 2.3
166 27.3 22.6 34.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.157 min Scan# 24

Delta R.T. -0.000 min

Lab File: BM050038.D

Acq: 29 Apr 2025 11:39

Instrument :

BNA_M

ClientSampleId :

38073-100124

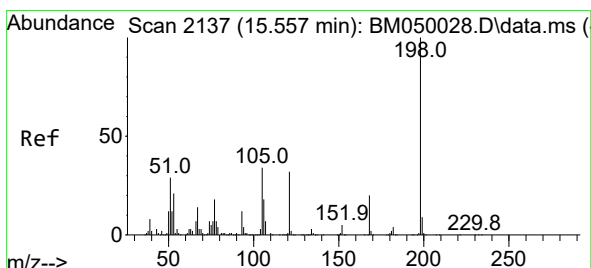
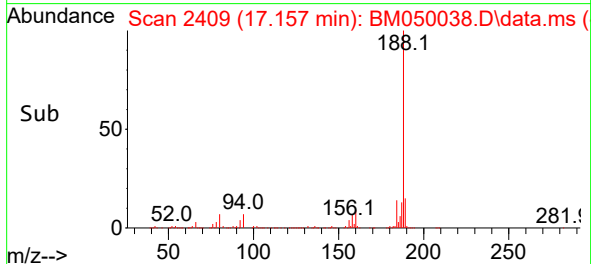
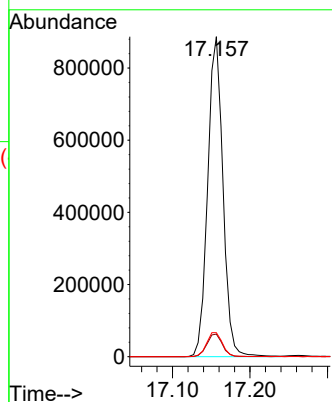
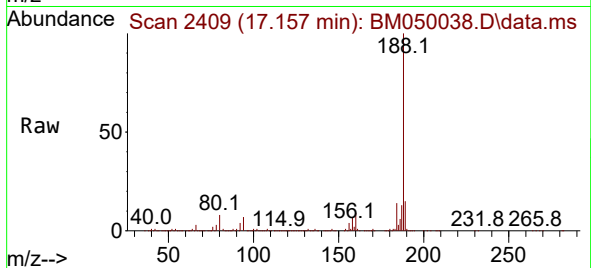
Tgt Ion:188 Resp: 1211511

Ion Ratio Lower Upper

188 100

94 7.0 5.7 8.5

80 7.5 6.2 9.4



#65

4,6-Dinitro-2-methylphenol

Concen: 182.123 ng

RT: 15.551 min Scan# 2136

Delta R.T. -0.006 min

Lab File: BM050038.D

Acq: 29 Apr 2025 11:39

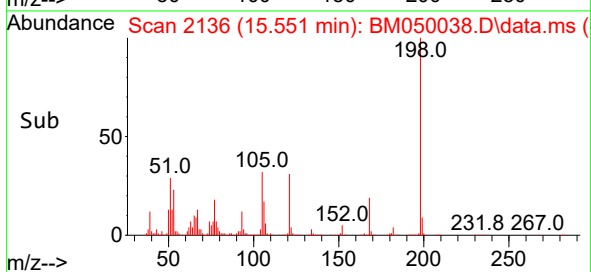
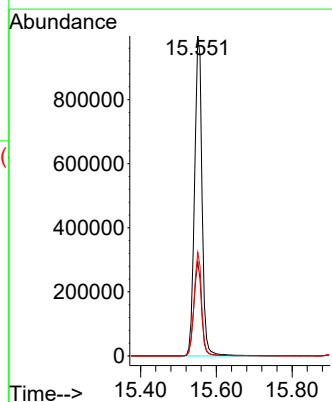
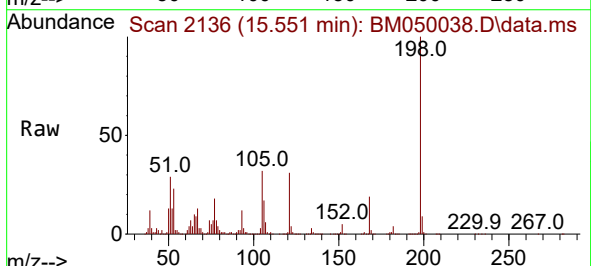
Tgt Ion:198 Resp: 1381151

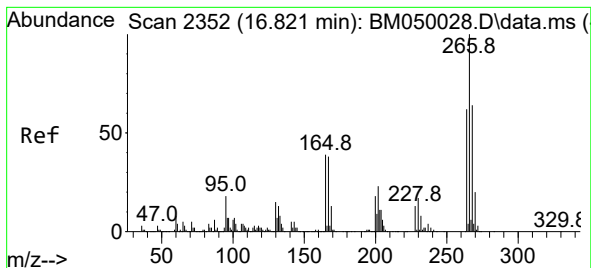
Ion Ratio Lower Upper

198 100

51 29.4 10.4 50.4

105 32.4 14.6 54.6





#70

Pentachlorophenol

Concen: 177.494 ng

RT: 16.815 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM050038.D

Acq: 29 Apr 2025 11:39

Instrument :

BNA_M

ClientSampleId :

38073-100124

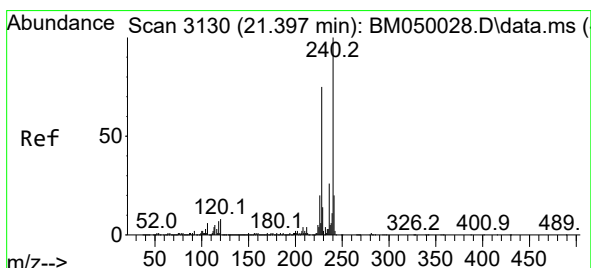
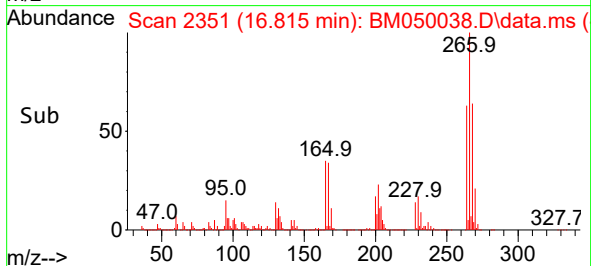
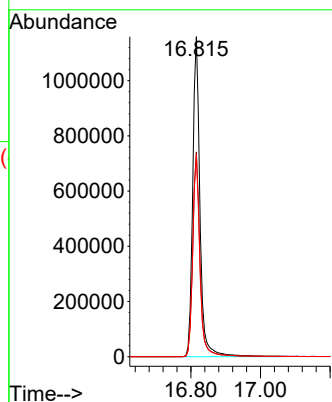
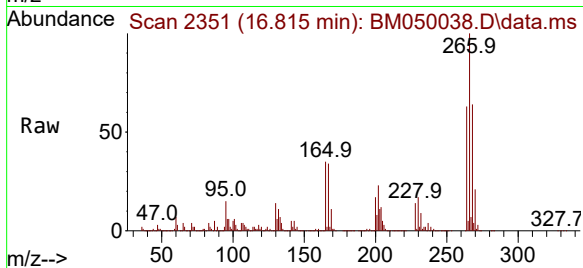
Tgt Ion:266 Resp: 1687241

Ion Ratio Lower Upper

266 100

268 64.0 51.2 76.8

264 63.1 49.6 74.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.403 min Scan# 3131

Delta R.T. 0.006 min

Lab File: BM050038.D

Acq: 29 Apr 2025 11:39

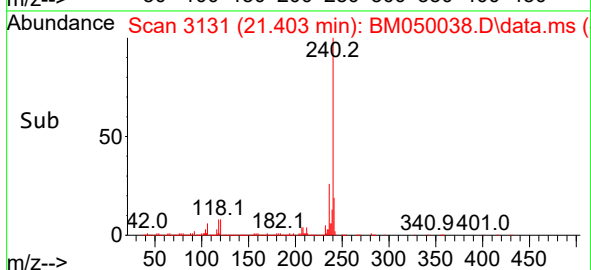
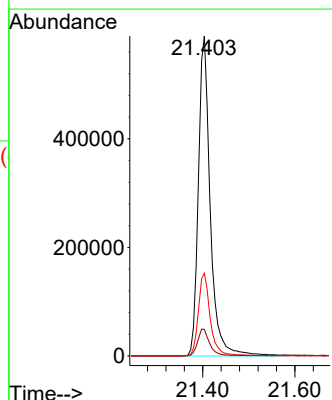
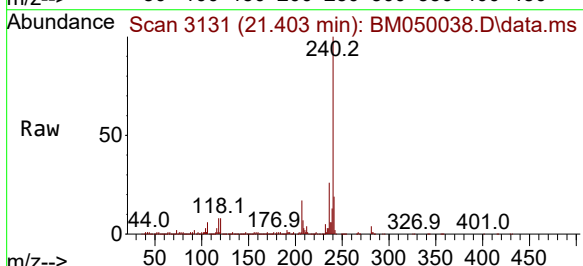
Tgt Ion:240 Resp: 1057120

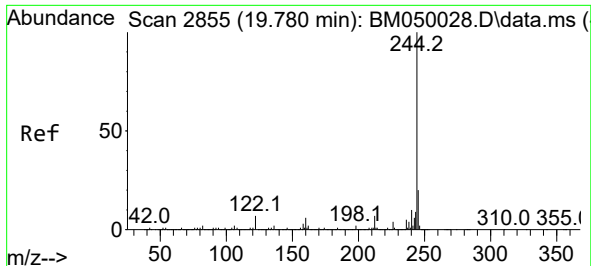
Ion Ratio Lower Upper

240 100

120 8.3 6.5 9.7

236 25.8 20.9 31.3

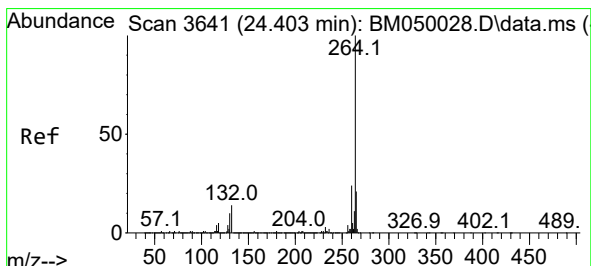
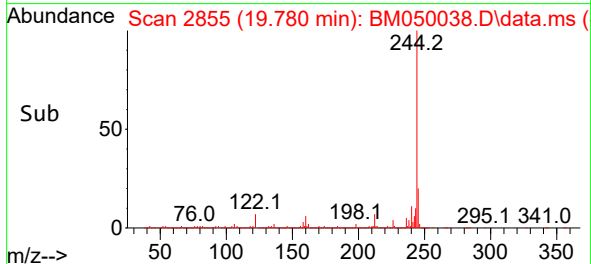
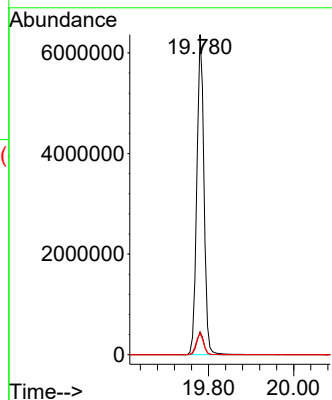
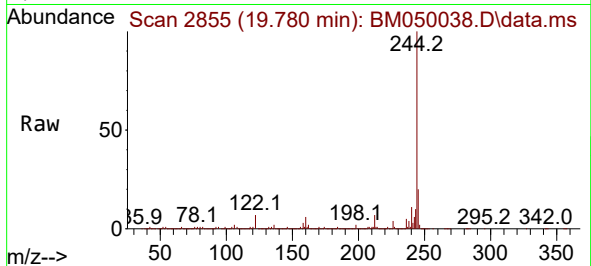




#79
 Terphenyl-d14
 Concen: 103.471 ng
 RT: 19.780 min Scan# 2855
 Delta R.T. -0.000 min
 Lab File: BM050038.D
 Acq: 29 Apr 2025 11:39

Instrument :
 BNA_M
 ClientSampleId :
 38073-100124

Tgt Ion:244 Resp: 7391887
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.6 8.4
 122 6.7 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.403 min Scan# 3641
 Delta R.T. -0.000 min
 Lab File: BM050038.D
 Acq: 29 Apr 2025 11:39

Tgt Ion:264 Resp: 1117523
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.8 28.2
 265 21.9 17.0 25.4

