

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)

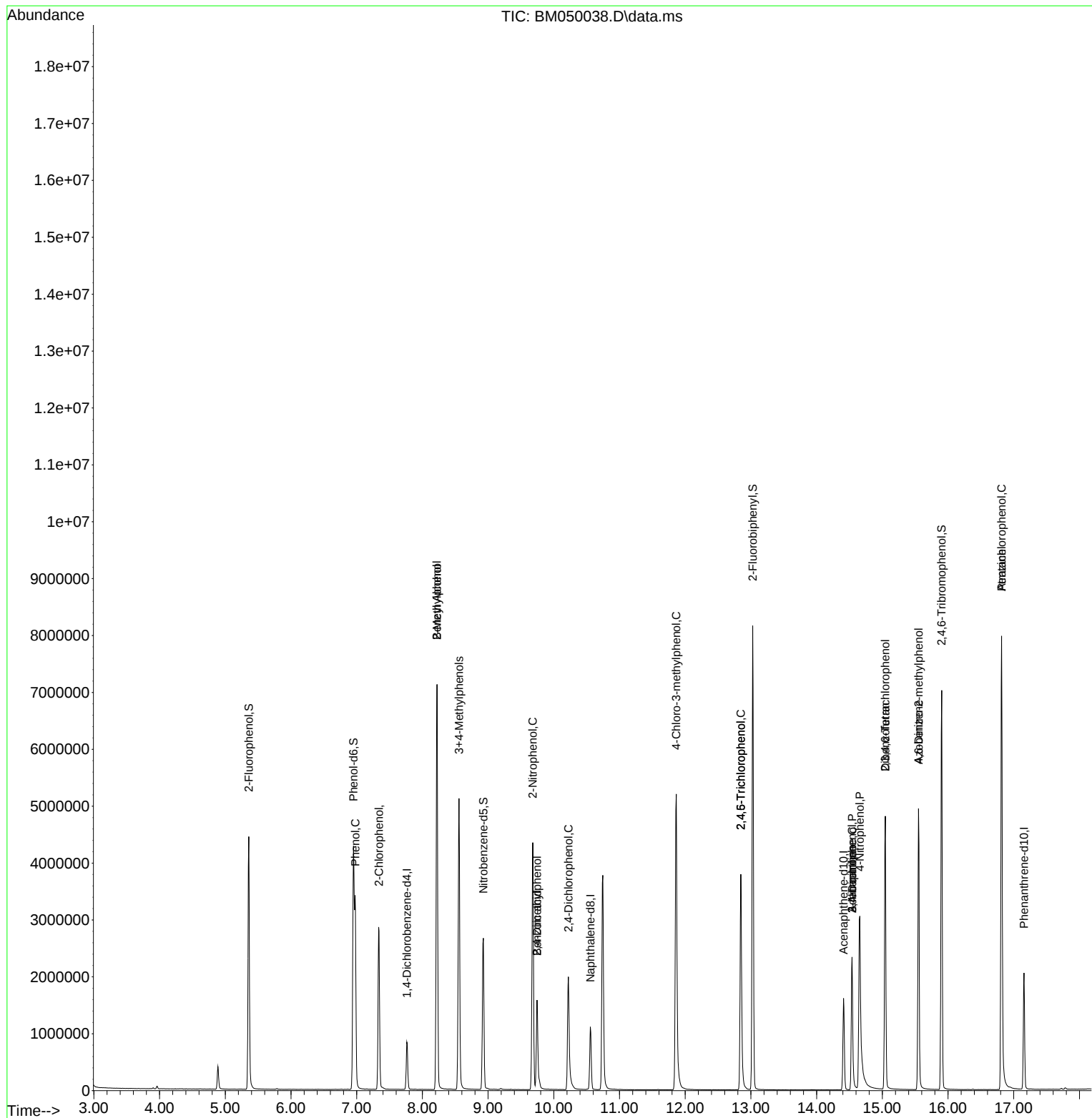
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	245413	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	914618	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	618114	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1211511	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1057120	20.000	ng	0.00
86) Perylene-d12	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
15) Benzyl Alcohol	8.222	79	933426	76.410	ng	# 1
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
32) Benzoic acid	9.745	122	524727	60.340	ng	# 13
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
44) 2,4,5-Trichlorophenol	12.845	196	1151938	78.711	ng	# 94
52) Acenaphthene	14.539	154	380153	11.446	ng	# 5
53) 3-Nitroaniline	14.539	138	19399	2.173	ng	# 1
54) 2,4-Dinitrophenol	14.539	184	658465	107.856	ng	99
55) Dibenzofuran	15.045	168	285271	5.163	ng	# 48
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
63) Azobenzene	15.551	77	247383	6.935	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.551	198	1381151	182.123	ng	97
69) Atrazine	16.815	200	299655	22.330	ng	# 35
70) Pentachlorophenol	16.815	266	1687241	177.494	ng	99

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

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

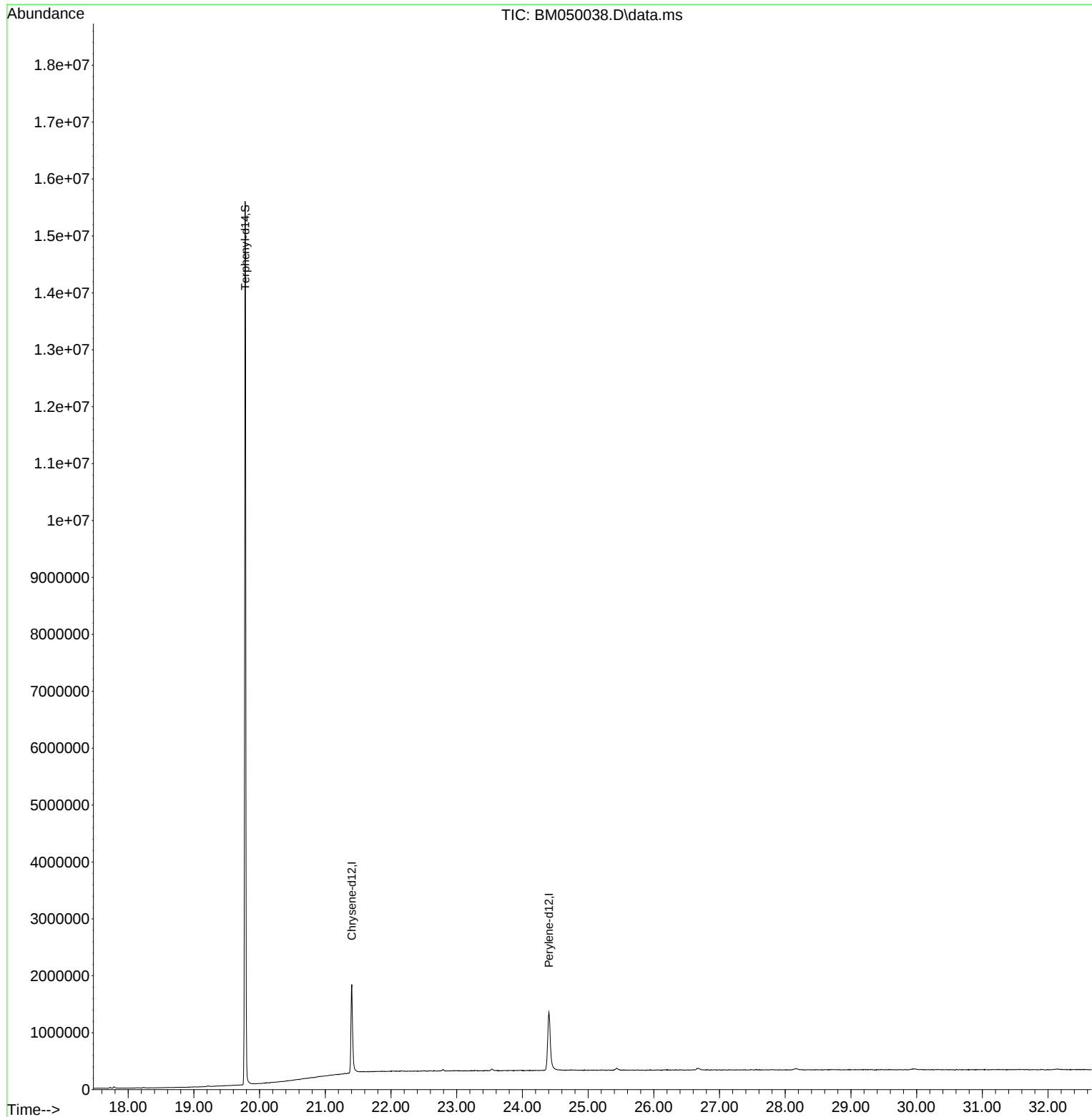
Quant Time: Apr 29 12:23:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



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

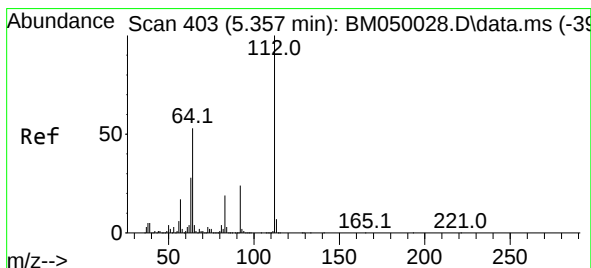
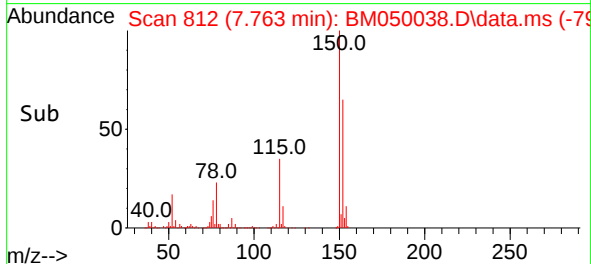
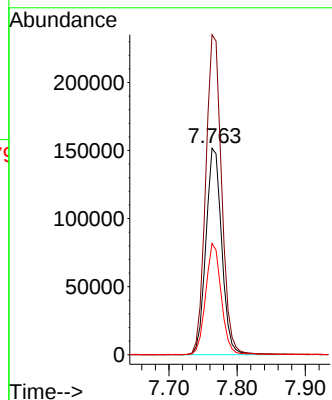
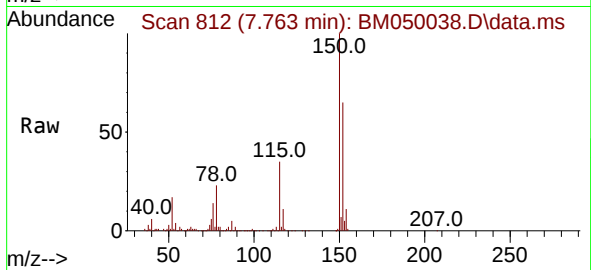




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.763 min Scan# 813
 Delta R.T. -0.006 min
 Lab File: BM050038.D
 Acq: 29 Apr 2025 11:39

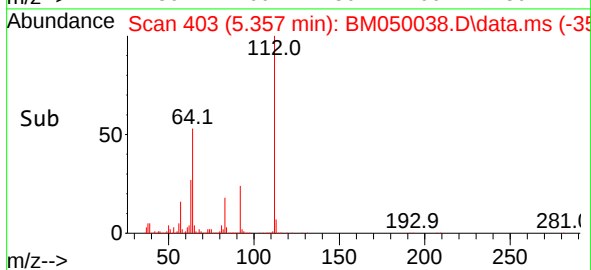
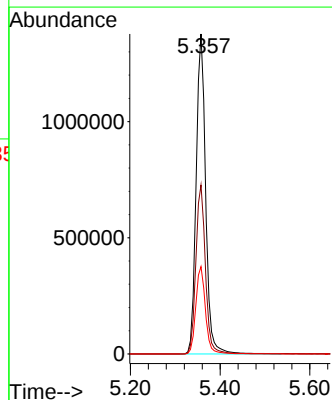
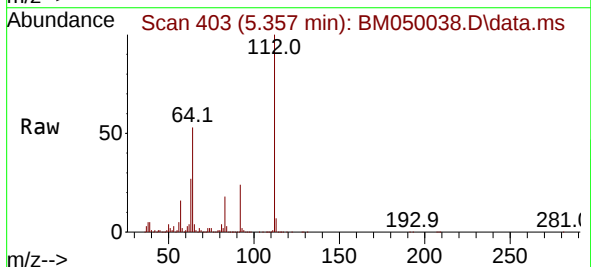
Instrument :
 BNA_M
 ClientSampleId :
 38073-100124

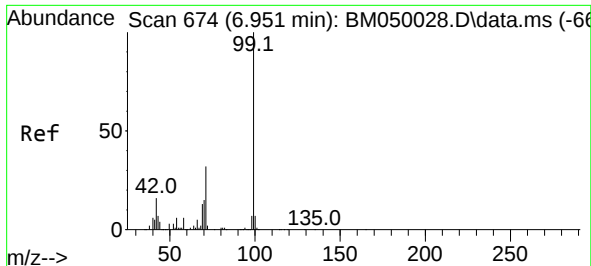
Tgt Ion:152 Resp: 245413
 Ion Ratio Lower Upper
 152 100
 150 155.0 124.1 186.1
 115 53.9 41.2 61.8



#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

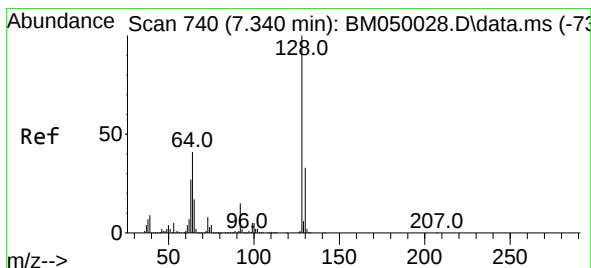
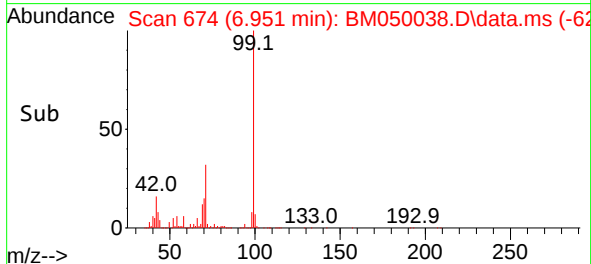
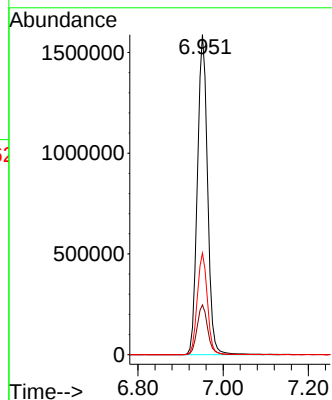
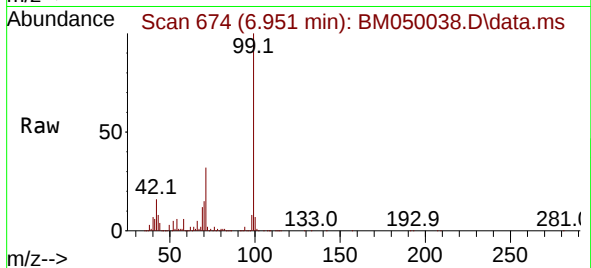




#7
Phenol-d6
Concen: 149.322 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

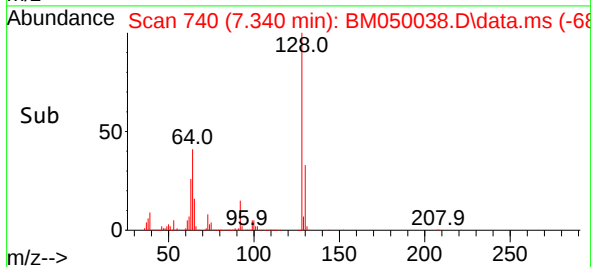
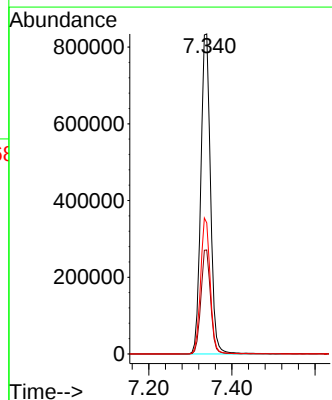
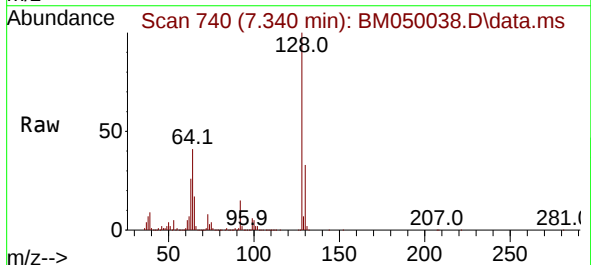
Instrument :
BNA_M
ClientSampleId :
38073-100124

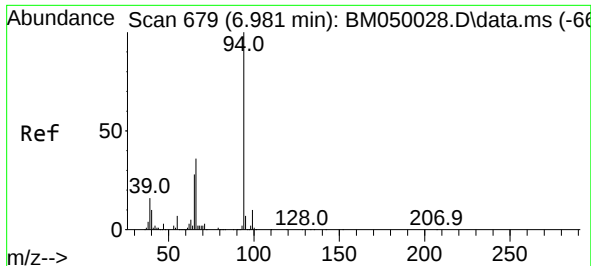
Tgt Ion: 99 Resp: 2630309
Ion Ratio Lower Upper
99 100
42 15.5 13.0 19.4
71 31.8 25.6 38.4



#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

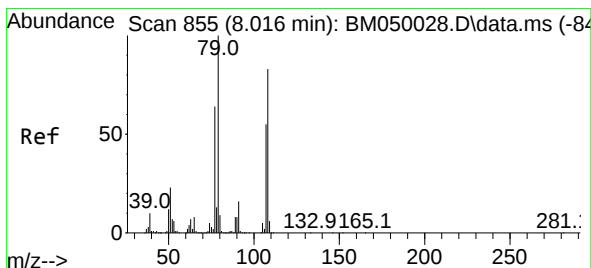
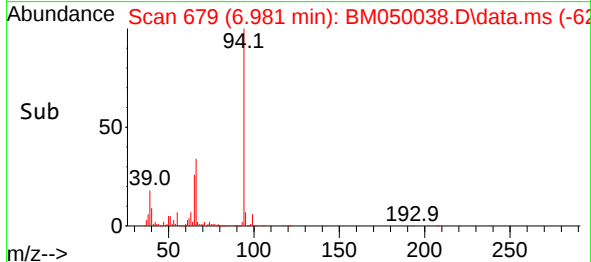
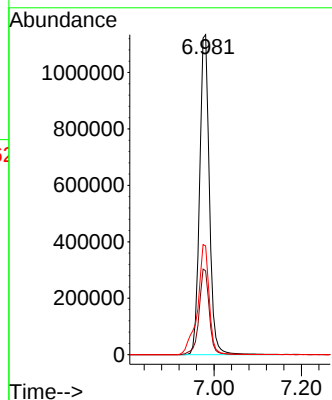
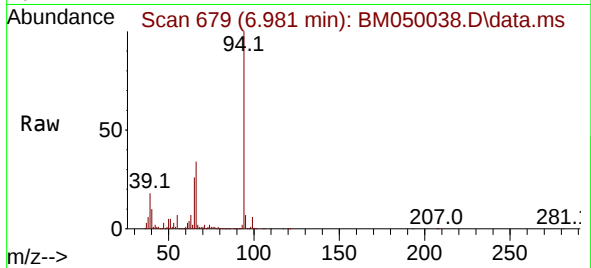




#10
Phenol
Concen: 98.975 ng
RT: 6.981 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

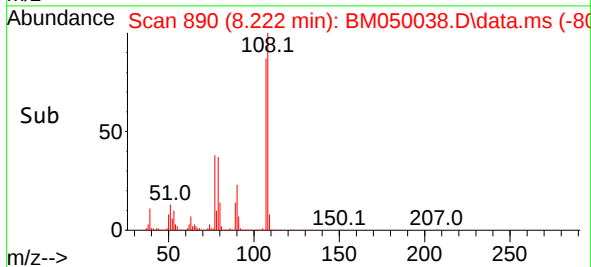
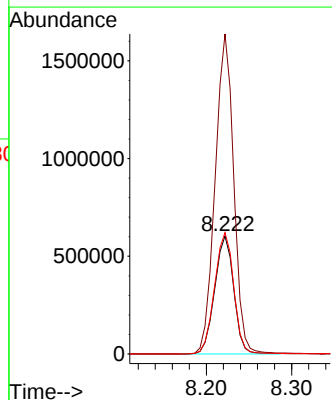
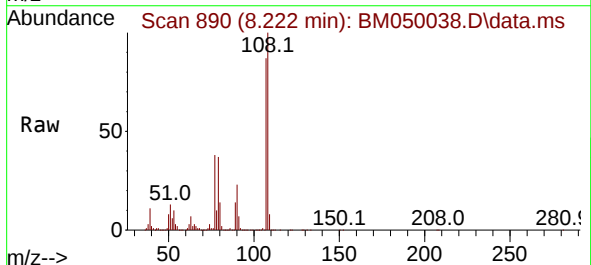
Instrument :
BNA_M
ClientSampleId :
38073-100124

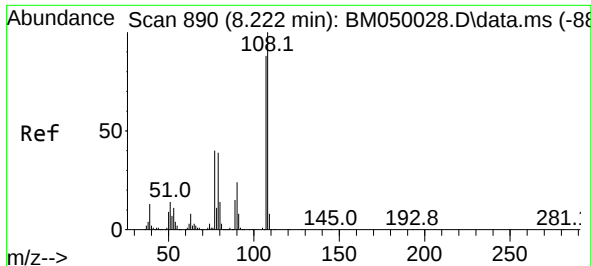
Tgt Ion: 94 Resp: 1764956
Ion Ratio Lower Upper
94 100
65 26.2 7.6 47.6
66 34.0 15.8 55.8



#15
Benzyl Alcohol
Concen: 76.410 ng
RT: 8.222 min Scan# 890
Delta R.T. 0.206 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Tgt Ion: 79 Resp: 933426
Ion Ratio Lower Upper
79 100
108 271.4 66.0 99.0#
77 103.0 51.6 77.4#



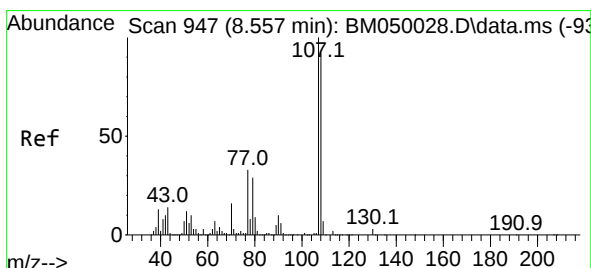
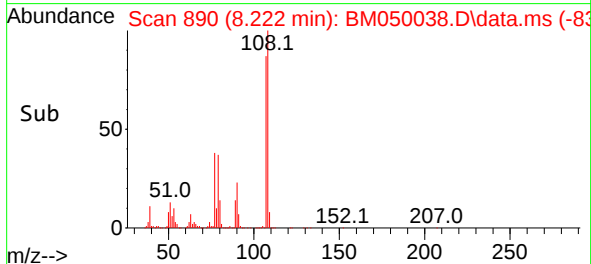
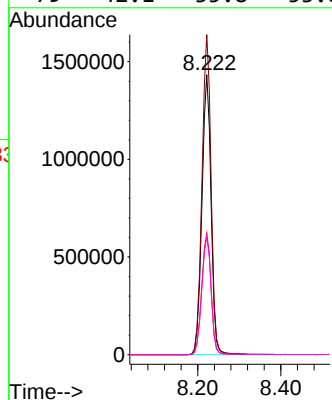
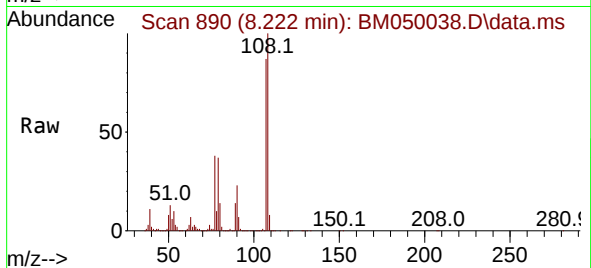


#17
2-Methylphenol
Concen: 185.916 ng
RT: 8.222 min Scan# 890
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Instrument :
BNA_M
ClientSampleId :
38073-100124

Tgt Ion:107 Resp: 2184055

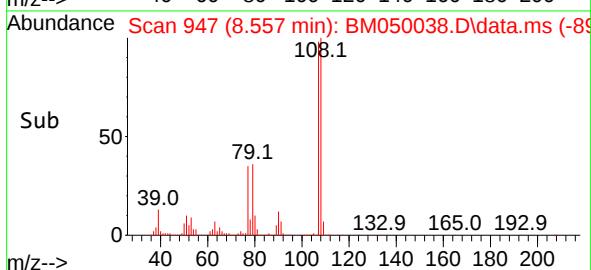
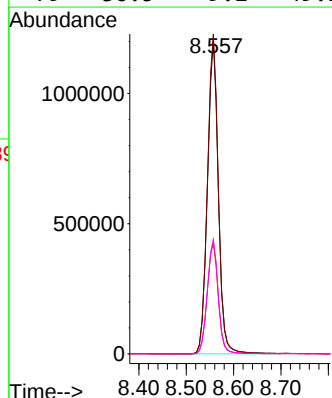
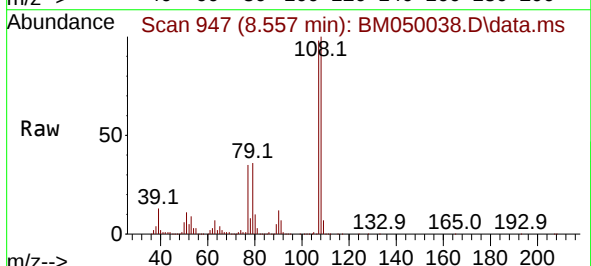
Ion	Ratio	Lower	Upper
107	100		
108	114.3	91.1	136.7
77	43.4	36.2	54.4
79	42.1	35.8	53.8

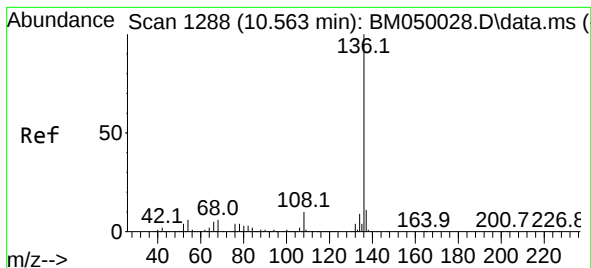


#20
3+4-Methylphenols
Concen: 121.233 ng
RT: 8.557 min Scan# 947
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

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

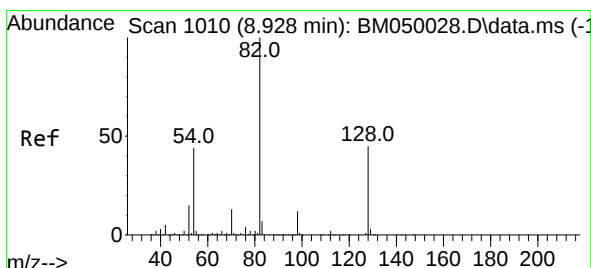
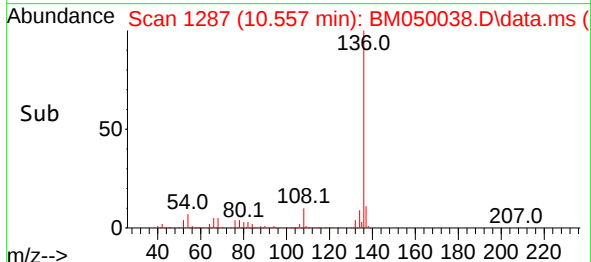
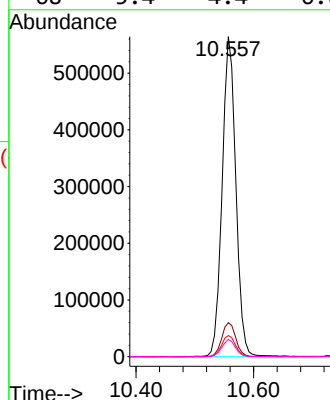
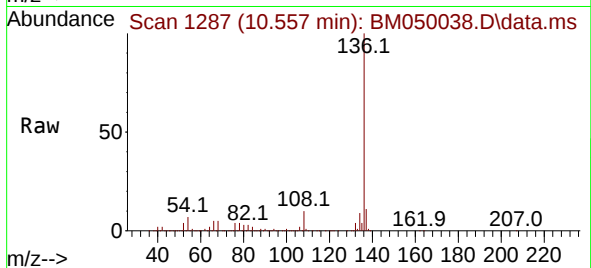




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

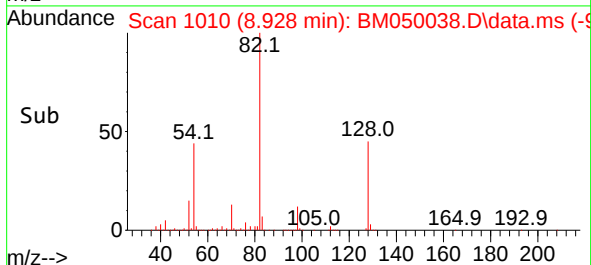
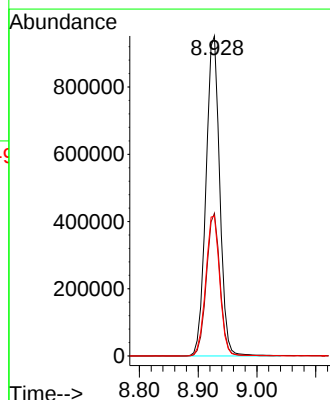
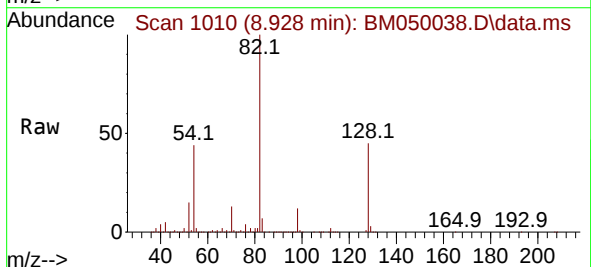
Instrument :
BNA_M
ClientSampleId :
38073-100124

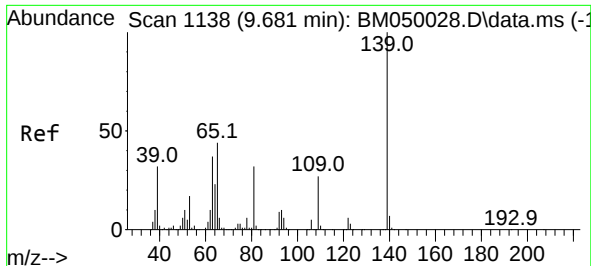
Tgt Ion:	136	Resp:	914618
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	6.6	5.1	7.7
68	5.4	4.4	6.6



#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

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

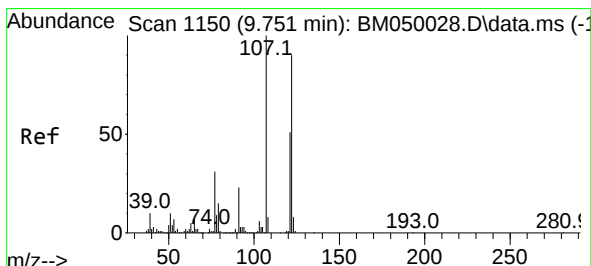
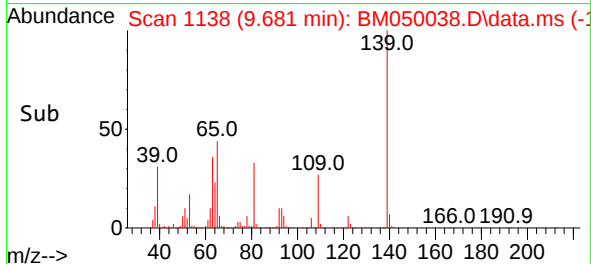
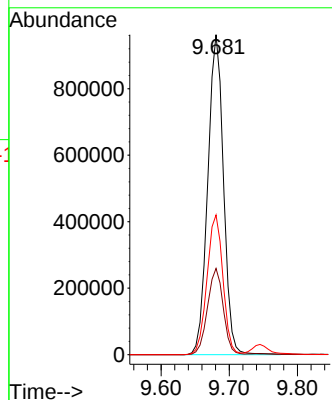
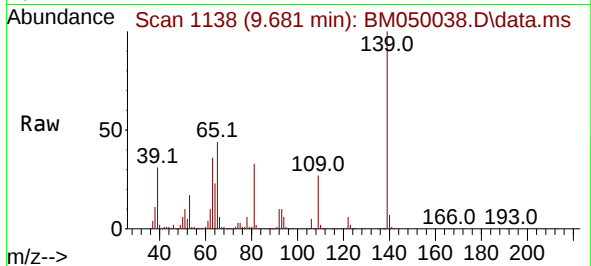




#26
2-Nitrophenol
Concen: 188.661 ng
RT: 9.681 min Scan# 1138
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

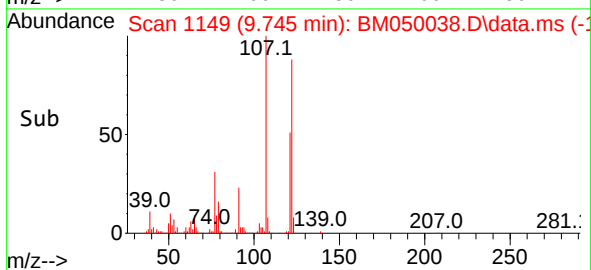
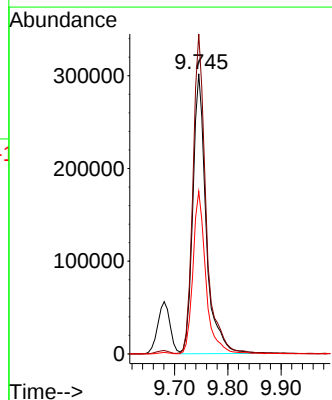
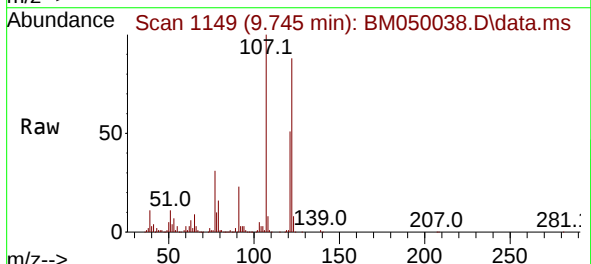
Instrument :
BNA_M
ClientSampleId :
38073-100124

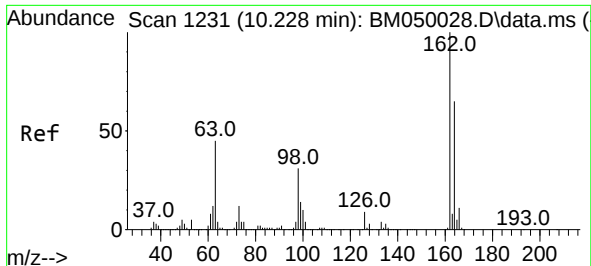
Tgt Ion:139 Resp: 1546833
Ion Ratio Lower Upper
139 100
109 27.0 21.9 32.9
65 43.7 35.4 53.2



#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

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# 1149

Delta R.T. -0.006 min

Lab File: BM050038.D

Acq: 29 Apr 2025 11:39

Instrument :

BNA_M

ClientSampleId :

38073-100124

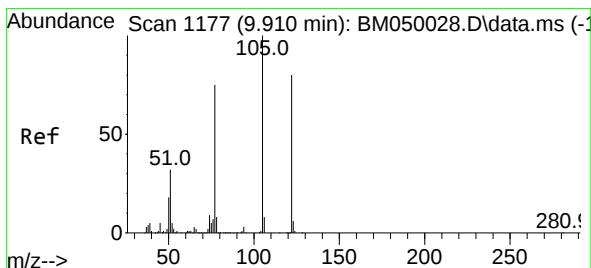
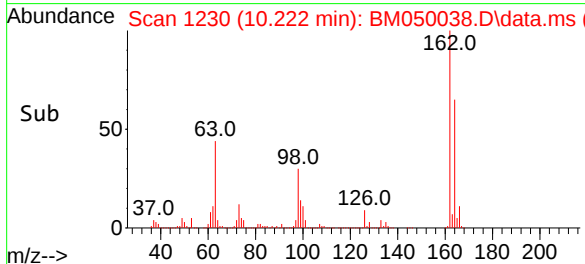
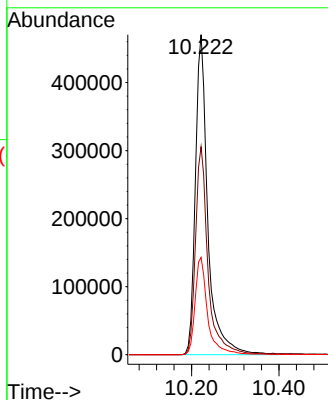
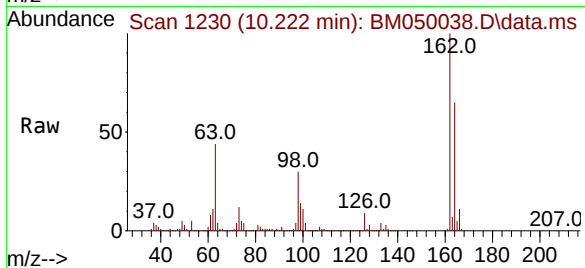
Tgt Ion:162 Resp: 933870

Ion Ratio Lower Upper

162 100

164 65.0 45.4 85.4

98 30.4 11.3 51.3



#32

Benzoic acid

Concen: 60.340 ng

RT: 9.745 min Scan# 1149

Delta R.T. -0.165 min

Lab File: BM050038.D

Acq: 29 Apr 2025 11:39

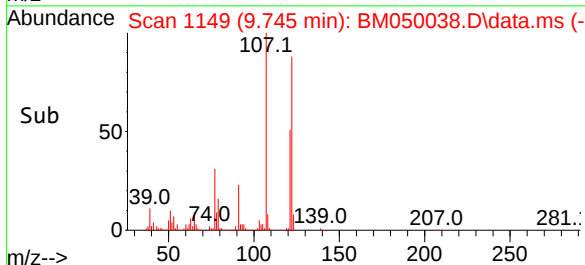
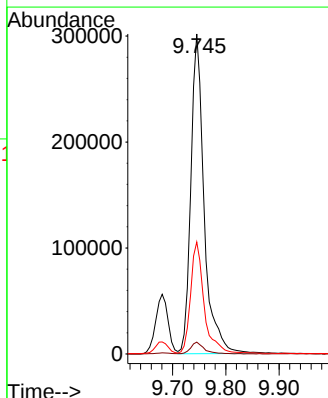
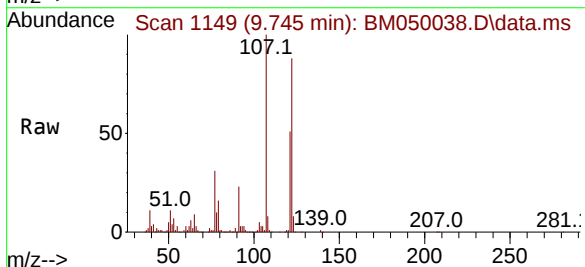
Tgt Ion:122 Resp: 524727

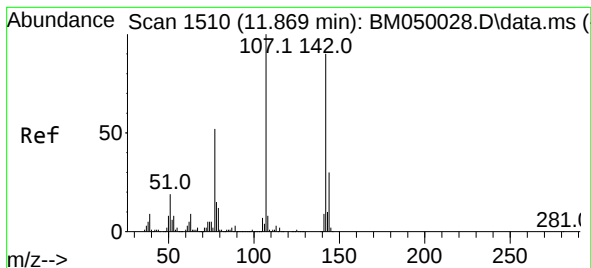
Ion Ratio Lower Upper

122 100

105 3.7 103.6 143.6#

77 35.0 73.7 113.7#

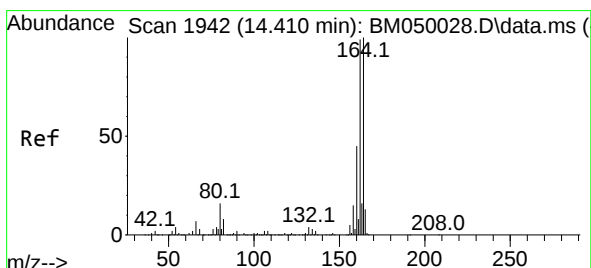
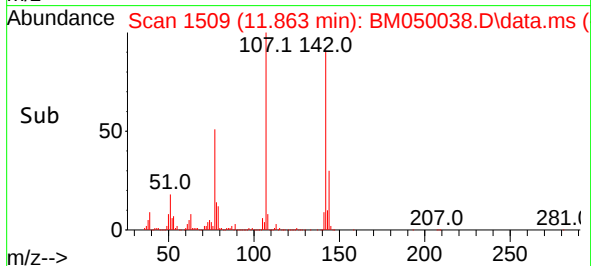
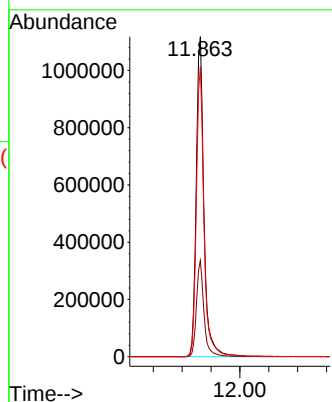
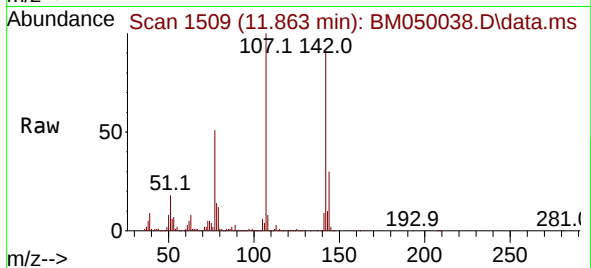




#36
4-Chloro-3-methylphenol
Concen: 147.310 ng
RT: 11.863 min Scan# 1510
Delta R.T. -0.006 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

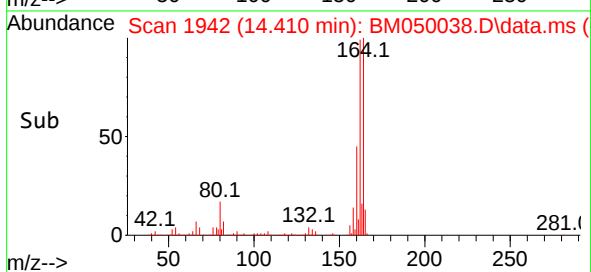
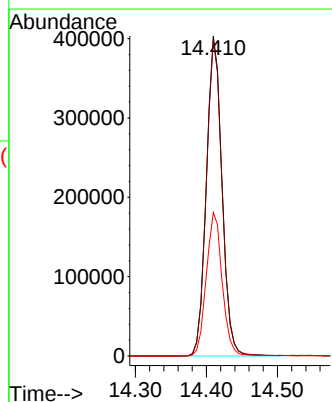
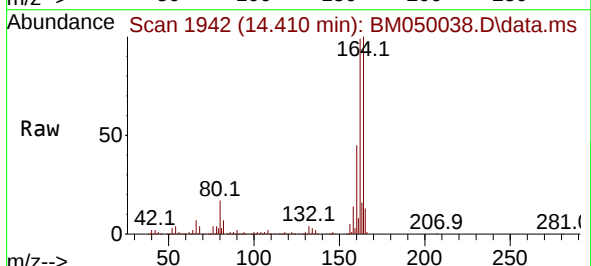
Instrument :
BNA_M
ClientSampleId :
38073-100124

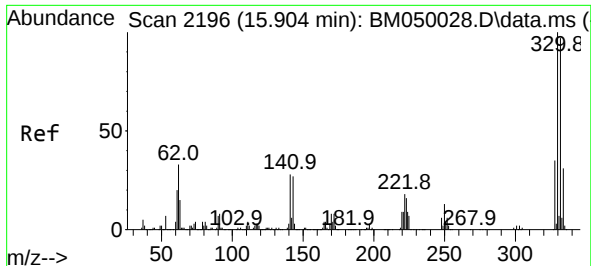
Tgt Ion:107 Resp: 2073107
Ion Ratio Lower Upper
107 100
144 30.1 23.8 35.6
142 90.7 71.9 107.9



#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# 21

Delta R.T. -0.000 min

Lab File: BM050038.D

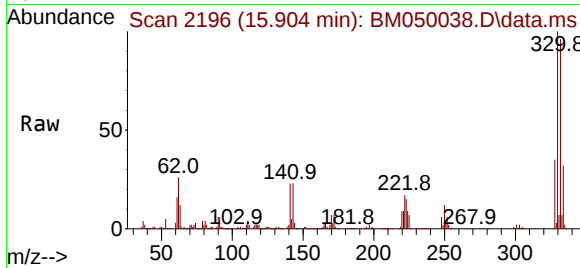
Acq: 29 Apr 2025 11:39

Instrument :

BNA_M

ClientSampleId :

38073-100124



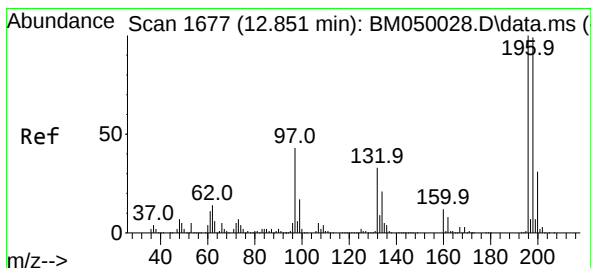
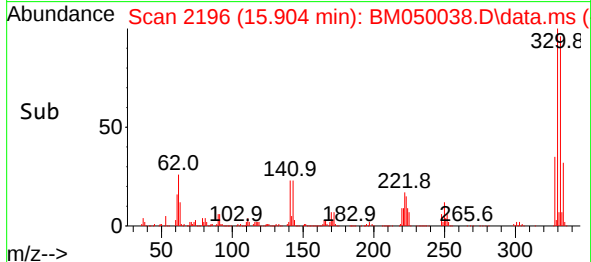
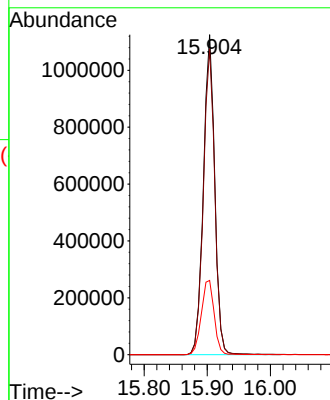
Tgt Ion:330 Resp: 1407153

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

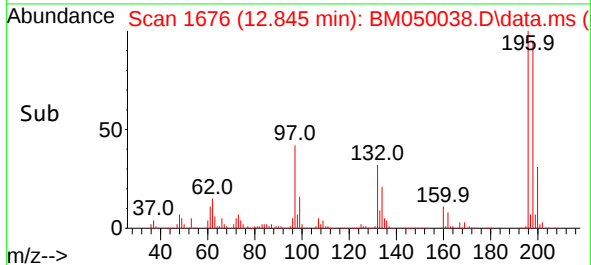
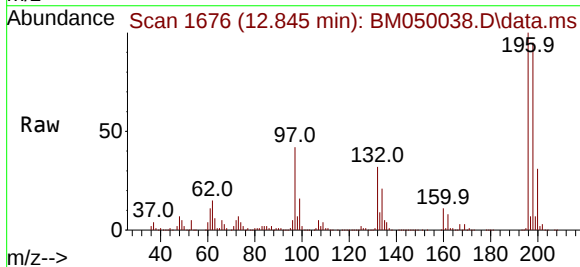
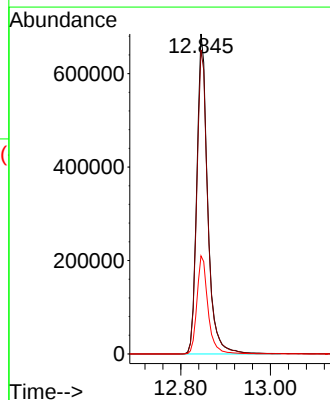
Tgt Ion:196 Resp: 1151938

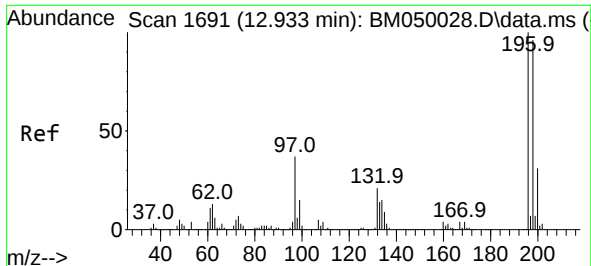
Ion Ratio Lower Upper

196 100

198 95.1 79.0 118.6

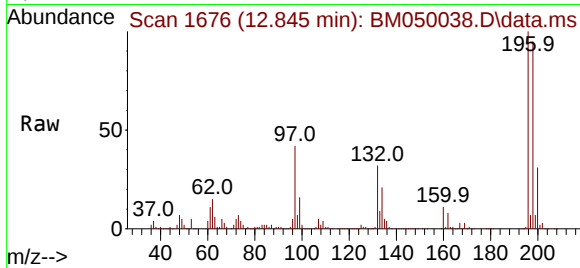
200 30.6 25.1 37.7



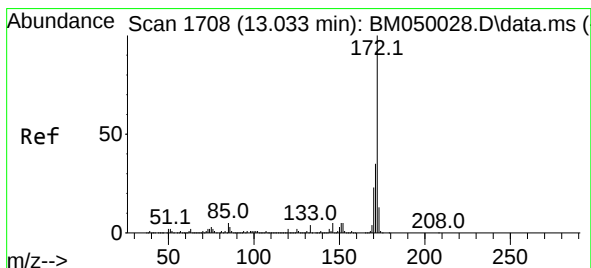
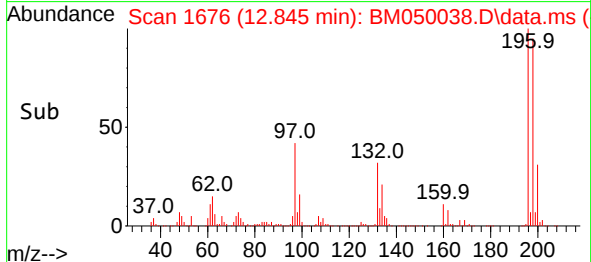
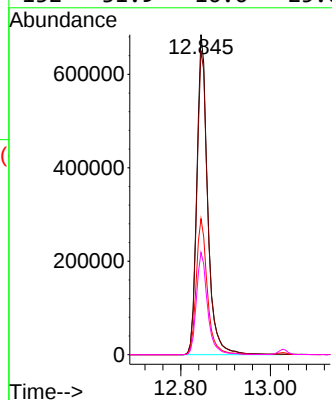


#44
2,4,5-Trichlorophenol
Concen: 78.711 ng
RT: 12.845 min Scan# 1
Delta R.T. -0.088 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Instrument :
BNA_M
ClientSampleId :
38073-100124

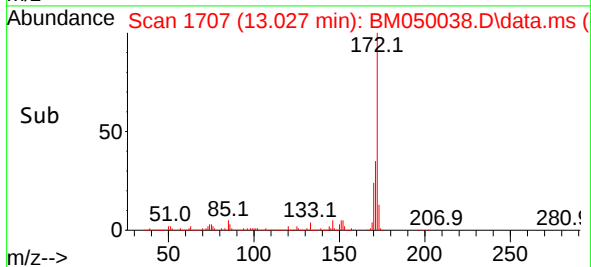
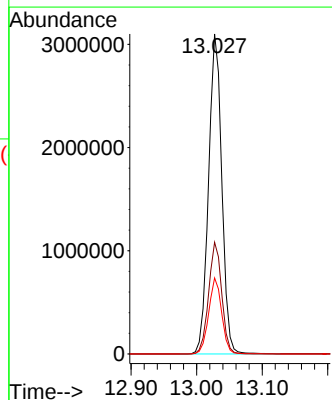
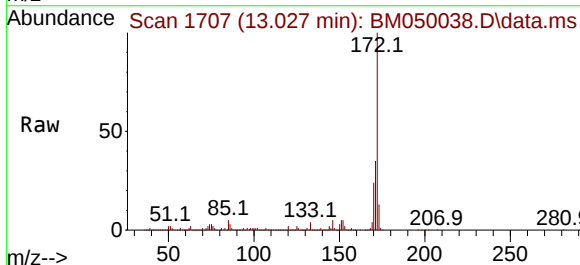


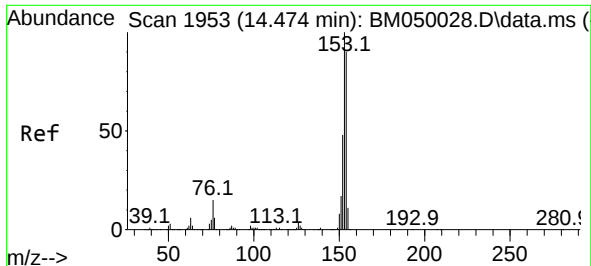
Tgt Ion:196 Resp: 1151938
Ion Ratio Lower Upper
196 100
198 95.1 76.7 115.1
97 42.5 30.1 45.1
132 31.9 16.6 25.0#



#45
2-Fluorobiphenyl
Concen: 83.509 ng
RT: 13.027 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

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

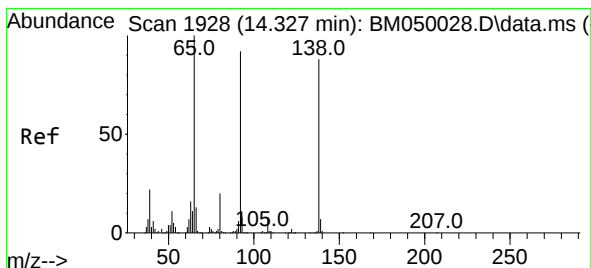
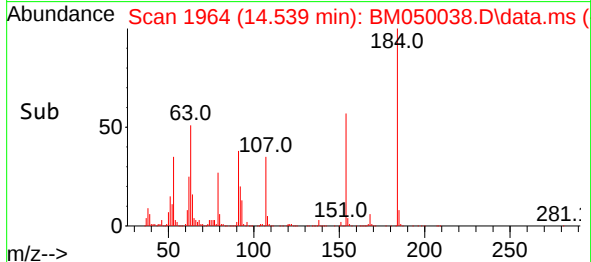
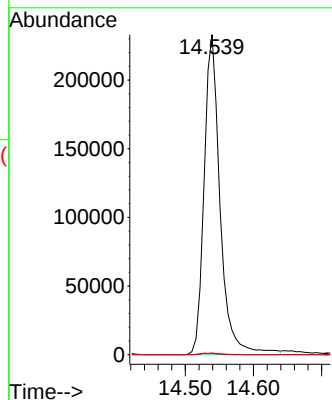
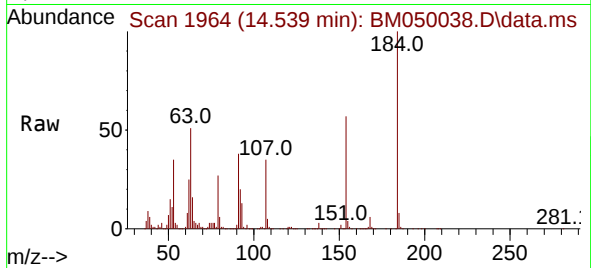




#52
Acenaphthene
Concen: 11.446 ng
RT: 14.539 min Scan# 1964
Delta R.T. 0.065 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

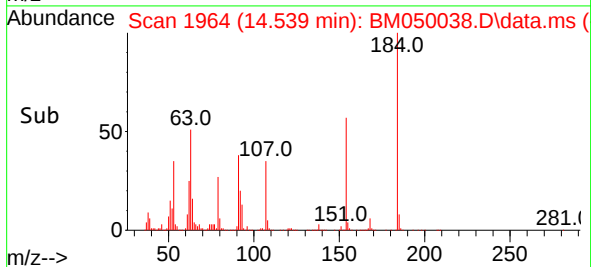
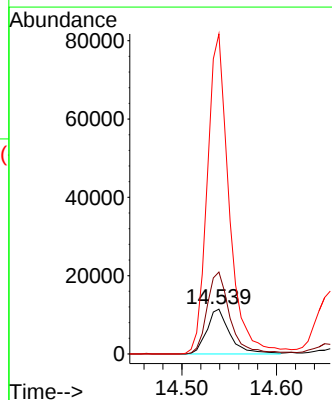
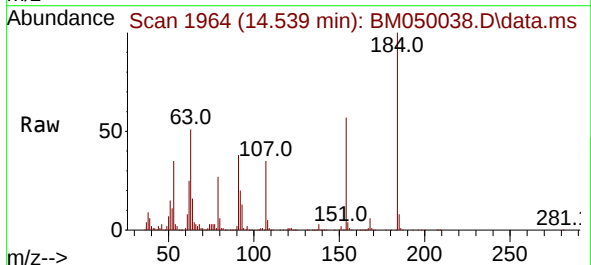
Instrument :
BNA_M
ClientSampleId :
38073-100124

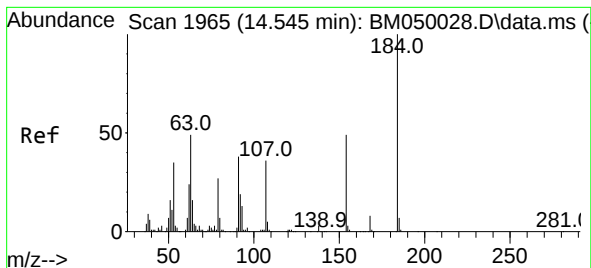
Tgt Ion:154 Resp: 380153
Ion Ratio Lower Upper
154 100
153 0.4 89.0 133.4#
152 0.5 43.0 64.6#



#53
3-Nitroaniline
Concen: 2.173 ng
RT: 14.539 min Scan# 1964
Delta R.T. 0.212 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Tgt Ion:138 Resp: 19399
Ion Ratio Lower Upper
138 100
108 182.8 7.4 11.2#
92 713.4 84.0 126.0#

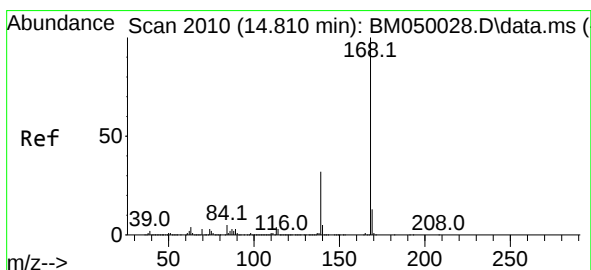
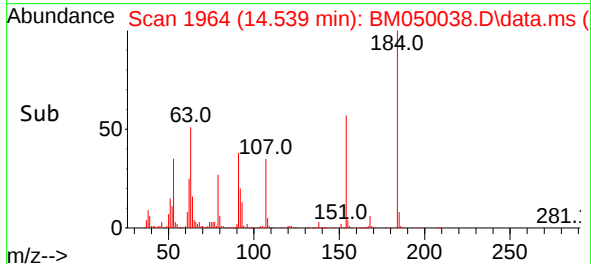
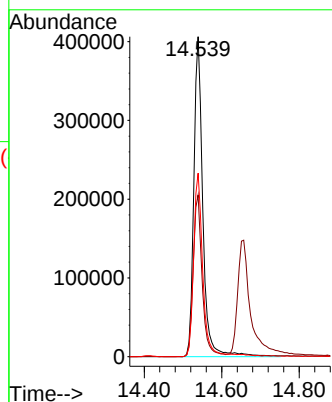
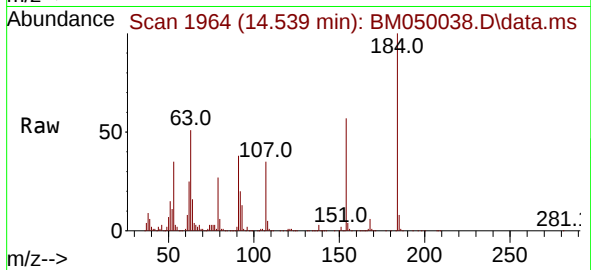




#54
2,4-Dinitrophenol
Concen: 107.856 ng
RT: 14.539 min Scan# 1964
Delta R.T. -0.006 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

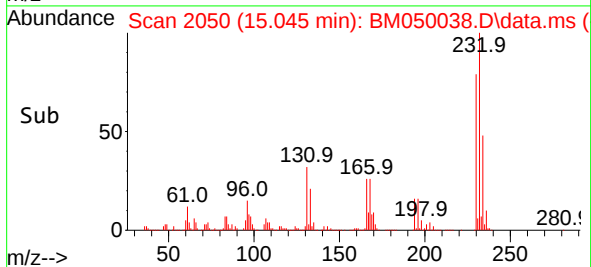
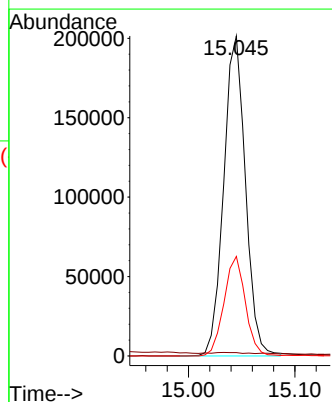
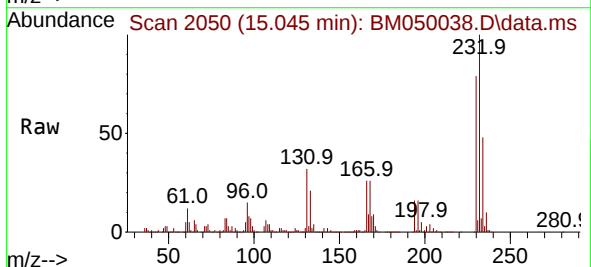
Instrument :
BNA_M
ClientSampleId :
38073-100124

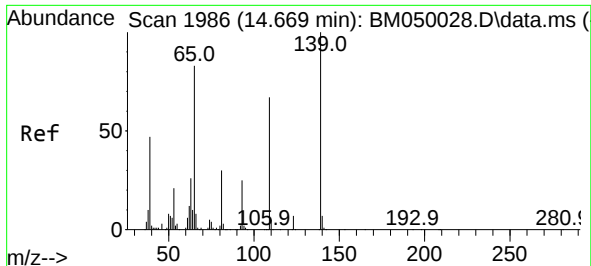
Tgt Ion:184 Resp: 658465
Ion Ratio Lower Upper
184 100
63 50.5 39.8 59.6
154 57.4 46.1 69.1



#55
Dibenzofuran
Concen: 5.163 ng
RT: 15.045 min Scan# 2050
Delta R.T. 0.235 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Tgt Ion:168 Resp: 285271
Ion Ratio Lower Upper
168 100
139 1.1 26.1 39.1#
169 31.1 10.8 16.2#

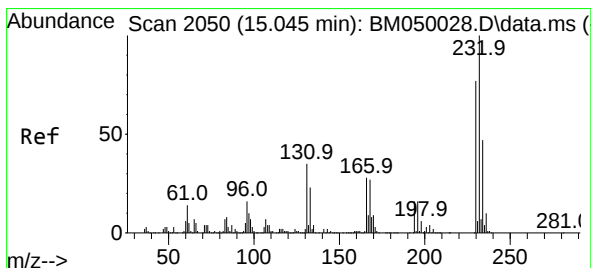
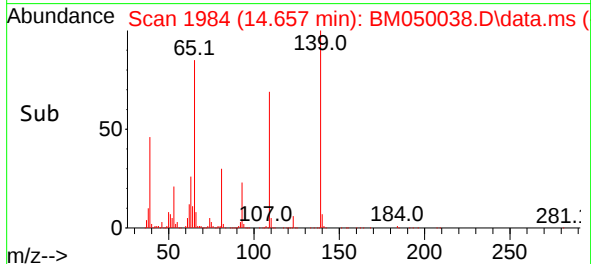
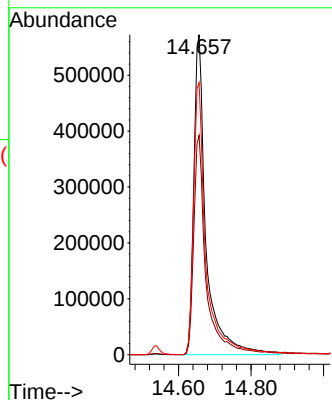
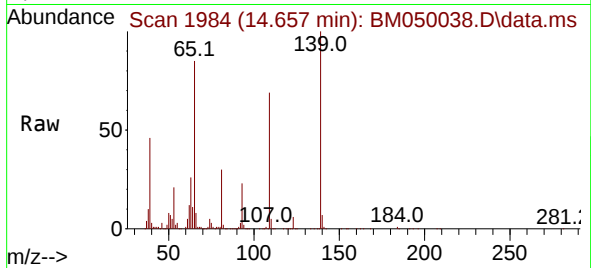




#56
4-Nitrophenol
Concen: 179.320 ng
RT: 14.657 min Scan# 1984
Delta R.T. -0.012 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

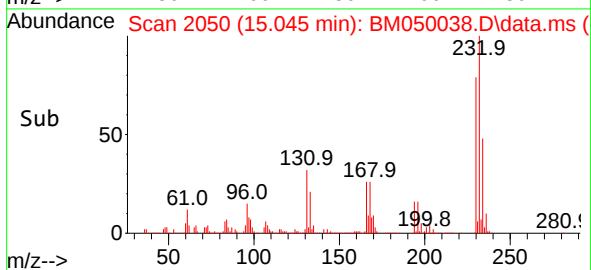
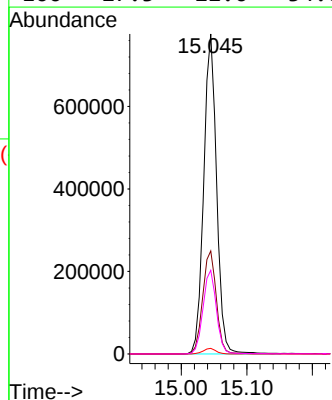
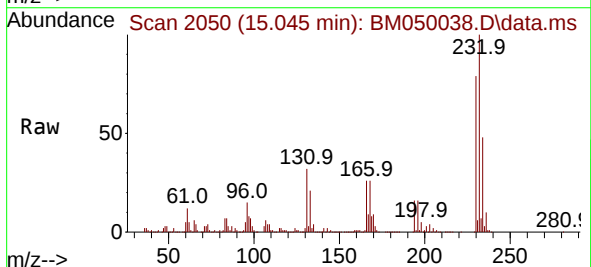
Instrument :
BNA_M
ClientSampleId :
38073-100124

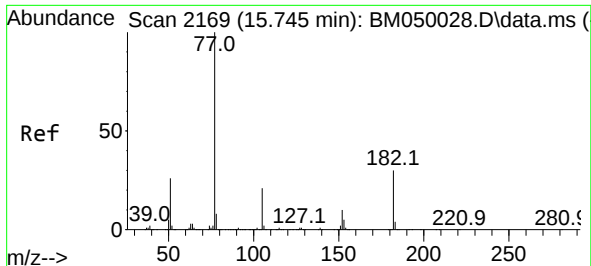
Tgt Ion:139 Resp: 1345989
Ion Ratio Lower Upper
139 100
109 68.6 47.0 87.0
65 85.0 64.3 104.3



#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

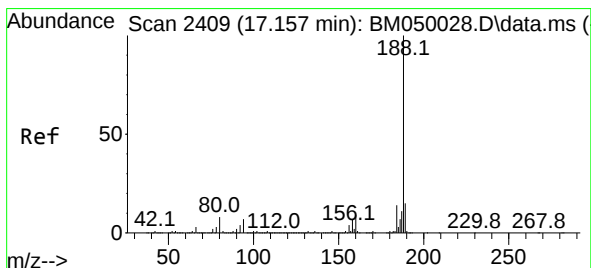
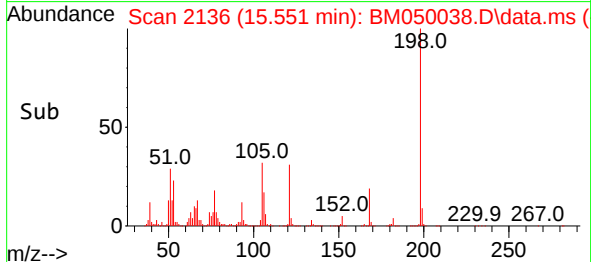
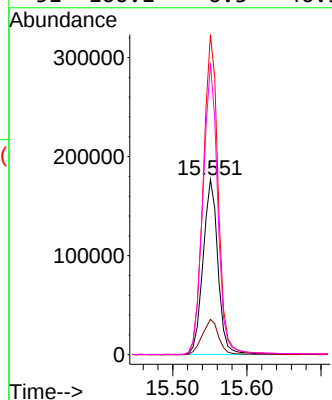
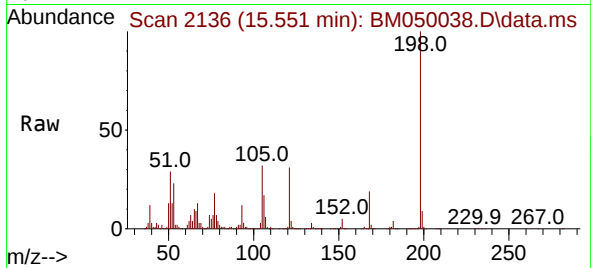




#63
Azobenzene
Concen: 6.935 ng
RT: 15.551 min Scan# 2169
Delta R.T. -0.194 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

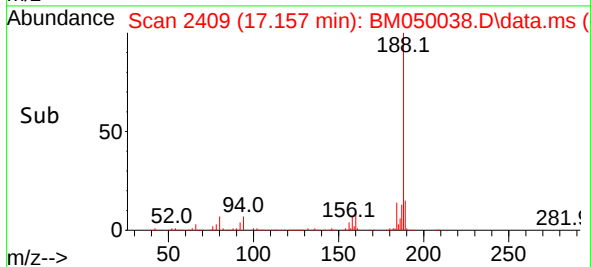
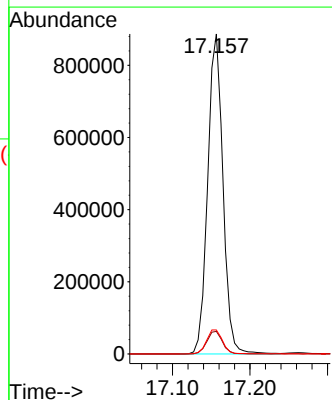
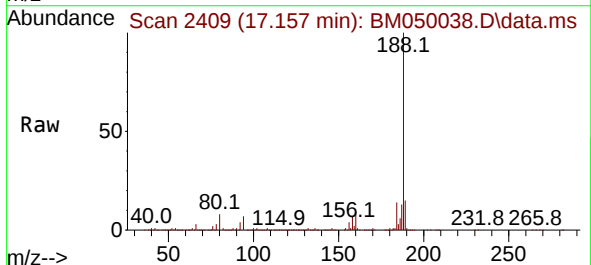
Instrument :
BNA_M
ClientSampleId :
38073-100124

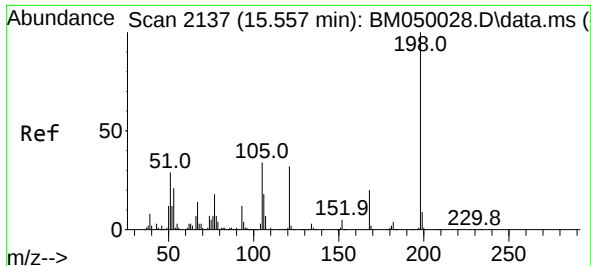
Tgt Ion: 77 Resp: 247383
Ion Ratio Lower Upper
77 100
182 20.2 10.5 50.5
105 182.6 1.1 41.1#
51 166.1 6.3 46.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

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

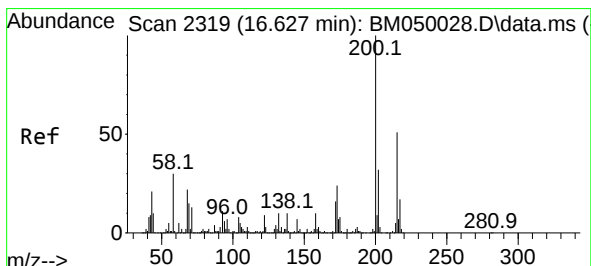
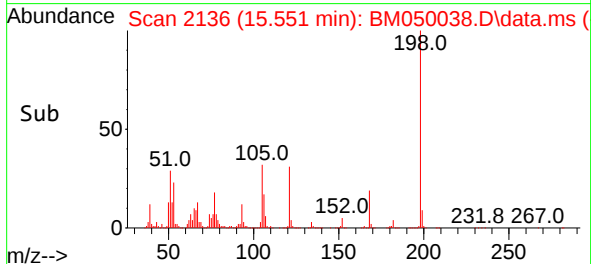
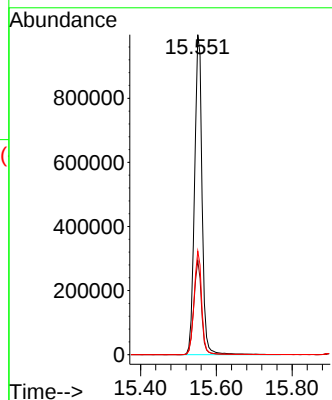
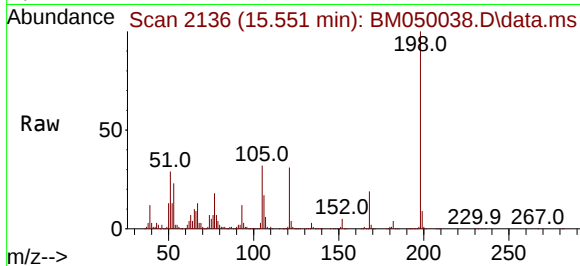




#65
4,6-Dinitro-2-methylphenol
Concen: 182.123 ng
RT: 15.551 min Scan# 2137
Delta R.T. -0.006 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

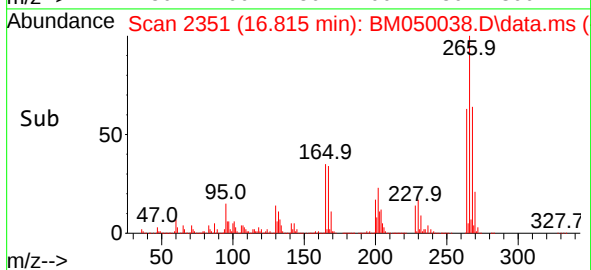
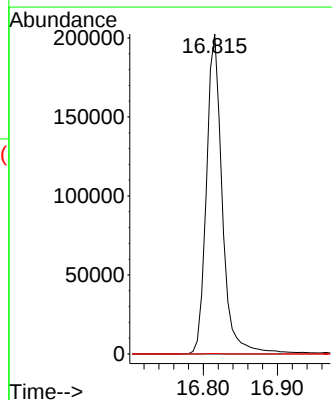
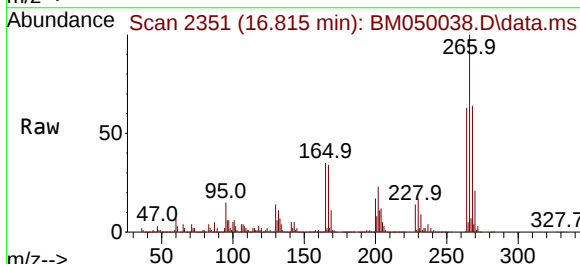
Instrument :
BNA_M
ClientSampleId :
38073-100124

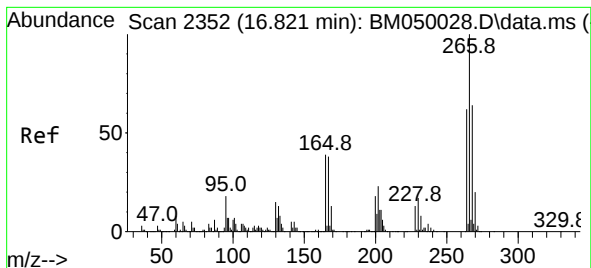
Tgt Ion:198 Resp: 1381151
Ion Ratio Lower Upper
198 100
51 29.4 10.4 50.4
105 32.4 14.6 54.6



#69
Atrazine
Concen: 22.330 ng
RT: 16.815 min Scan# 2351
Delta R.T. 0.188 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Tgt Ion:200 Resp: 299655
Ion Ratio Lower Upper
200 100
173 0.0 4.3 44.3#
215 0.2 30.6 70.6#





#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

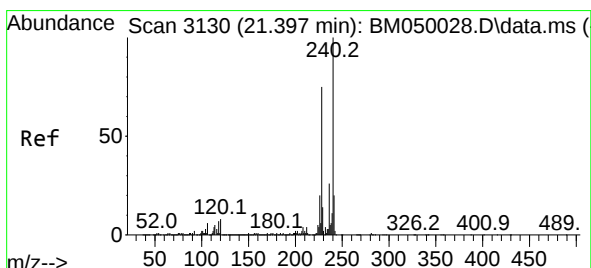
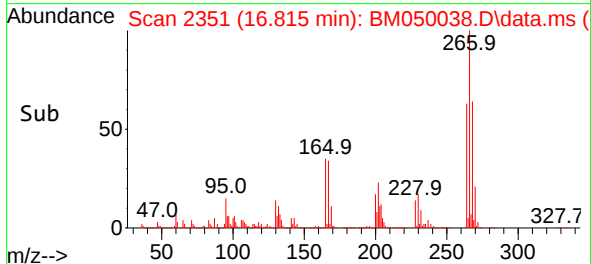
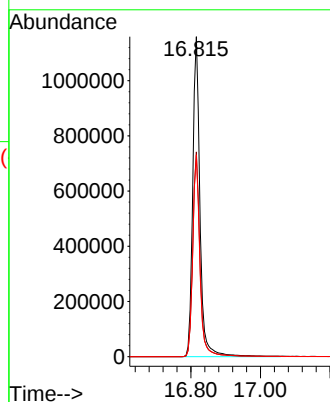
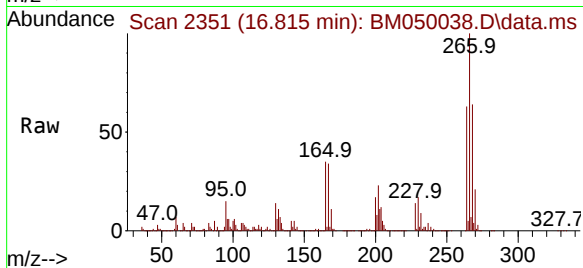
Tgt Ion:266 Resp: 1687241

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

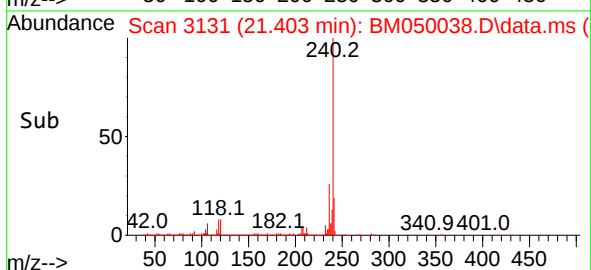
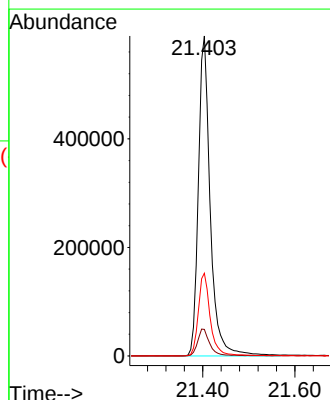
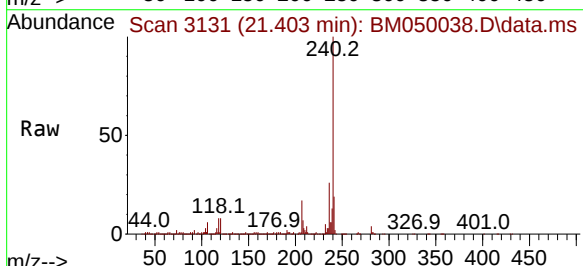
Tgt Ion:240 Resp: 1057120

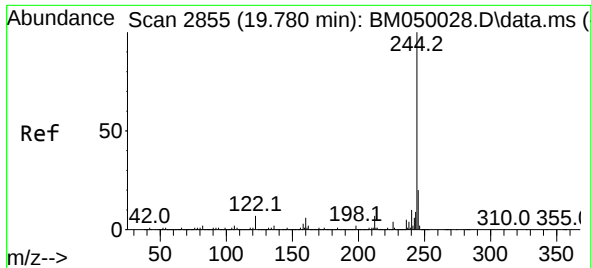
Ion Ratio Lower Upper

240 100

120 8.3 6.5 9.7

236 25.8 20.9 31.3

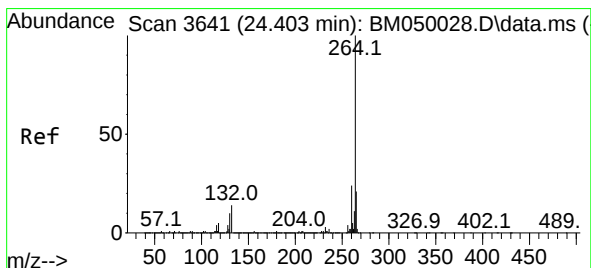
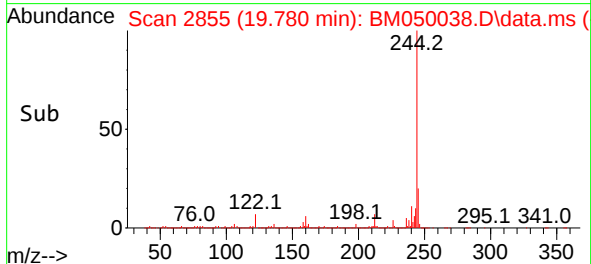
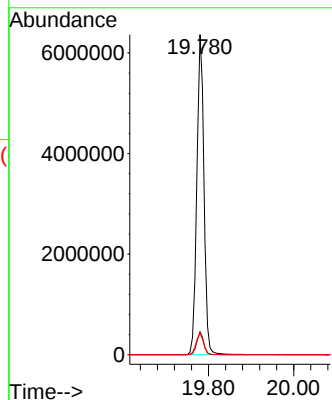
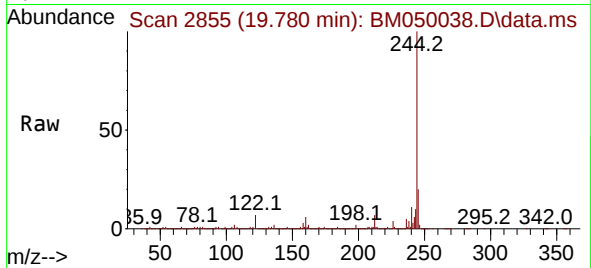




#79
 Terphenyl-d14
 Concen: 103.471 ng
 RT: 19.780 min Scan# 2855
 Delta R.T. -0.000 min
 Lab File: BM050038.D
 Acq: 29 Apr 2025 11:39

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

