

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042925\
 Data File : BM050037.D
 Acq On : 29 Apr 2025 11:00
 Operator : RC/JU
 Sample : Q1502-06DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PT-ACIDS-WPDL

Quant Time: Apr 29 11:44:04 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)

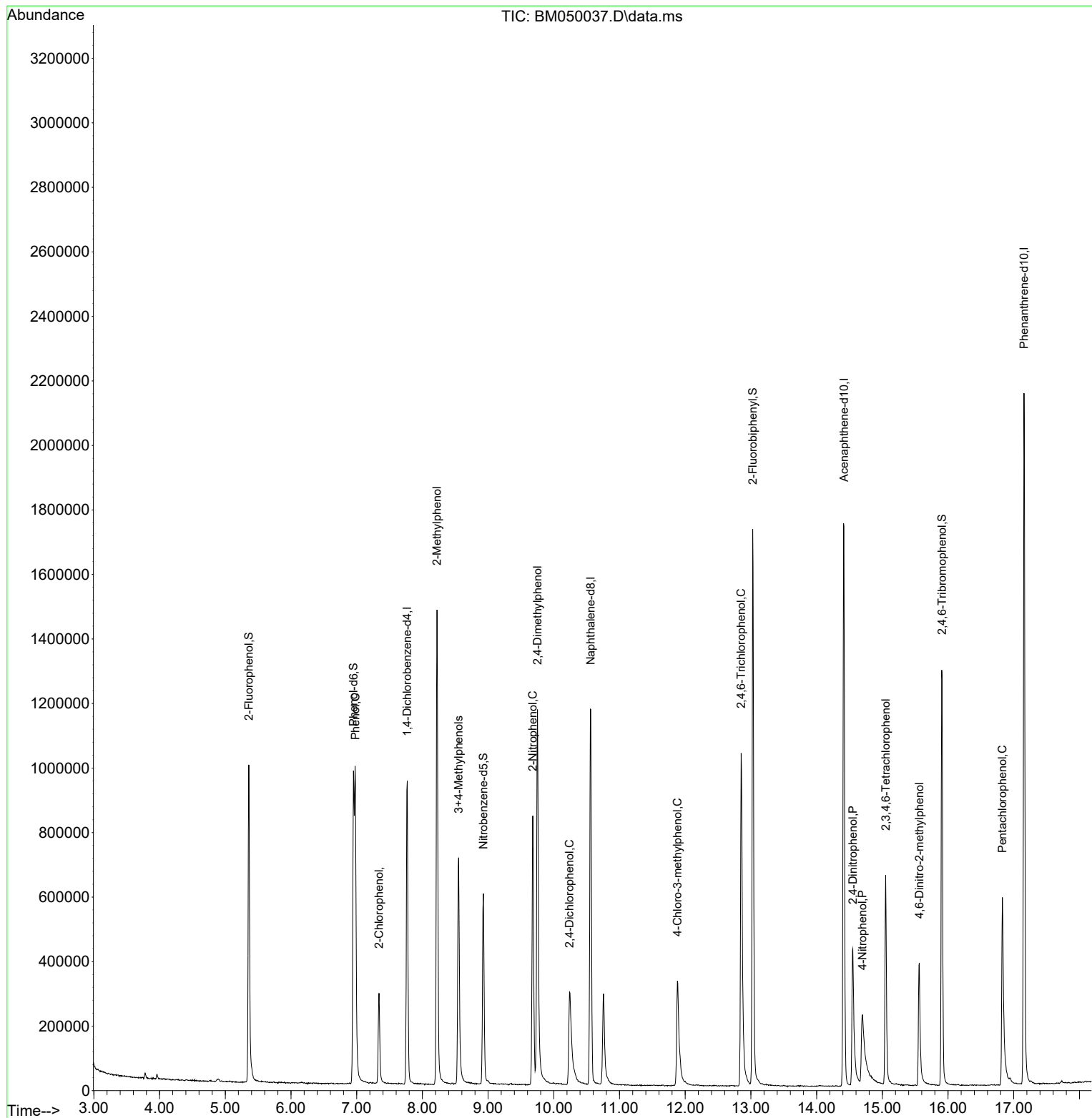
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	285134	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	1023582	20.000	ng	0.00
39) Acenaphthene-d10	14.415	164	695798	20.000	ng	0.00
64) Phenanthrene-d10	17.156	188	1366968	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1204986	20.000	ng	0.00
86) Perylene-d12	24.409	264	1245037	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	475658	29.211	ng	0.00
7) Phenol-d6	6.951	99	598360	29.237	ng	0.00
23) Nitrobenzene-d5	8.928	82	363396	17.494	ng	0.00
42) 2,4,6-Tribromophenol	15.909	330	268686	26.116	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	997151	16.953	ng	0.00
79) Terphenyl-d14	19.786	244	1459162	17.919	ng	0.00
Target Compounds						
						Qvalue
8) 2-Chlorophenol	7.339	128	135242	7.682	ng	99
10) Phenol	6.981	94	583557	28.166	ng	98
17) 2-Methylphenol	8.222	107	480425	35.199	ng	99
20) 3+4-Methylphenols	8.551	107	372169	20.191	ng	90
26) 2-Nitrophenol	9.680	139	308890	33.664	ng	99
27) 2,4-Dimethylphenol	9.751	122	408187	26.825	ng	99
29) 2,4-Dichlorophenol	10.239	162	221948	13.020	ng	98
36) 4-Chloro-3-methylphenol	11.880	107	187985	11.936	ng	99
43) 2,4,6-Trichlorophenol	12.851	196	363197	23.774	ng	97
54) 2,4-Dinitrophenol	14.551	184	153333	26.867	ng	95
56) 4-Nitrophenol	14.698	139	158586	22.828	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.051	232	152946	10.725	ng	98
65) 4,6-Dinitro-2-methylph...	15.562	198	127018	14.844	ng	94
70) Pentachlorophenol	16.827	266	160909	15.002	ng	99

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

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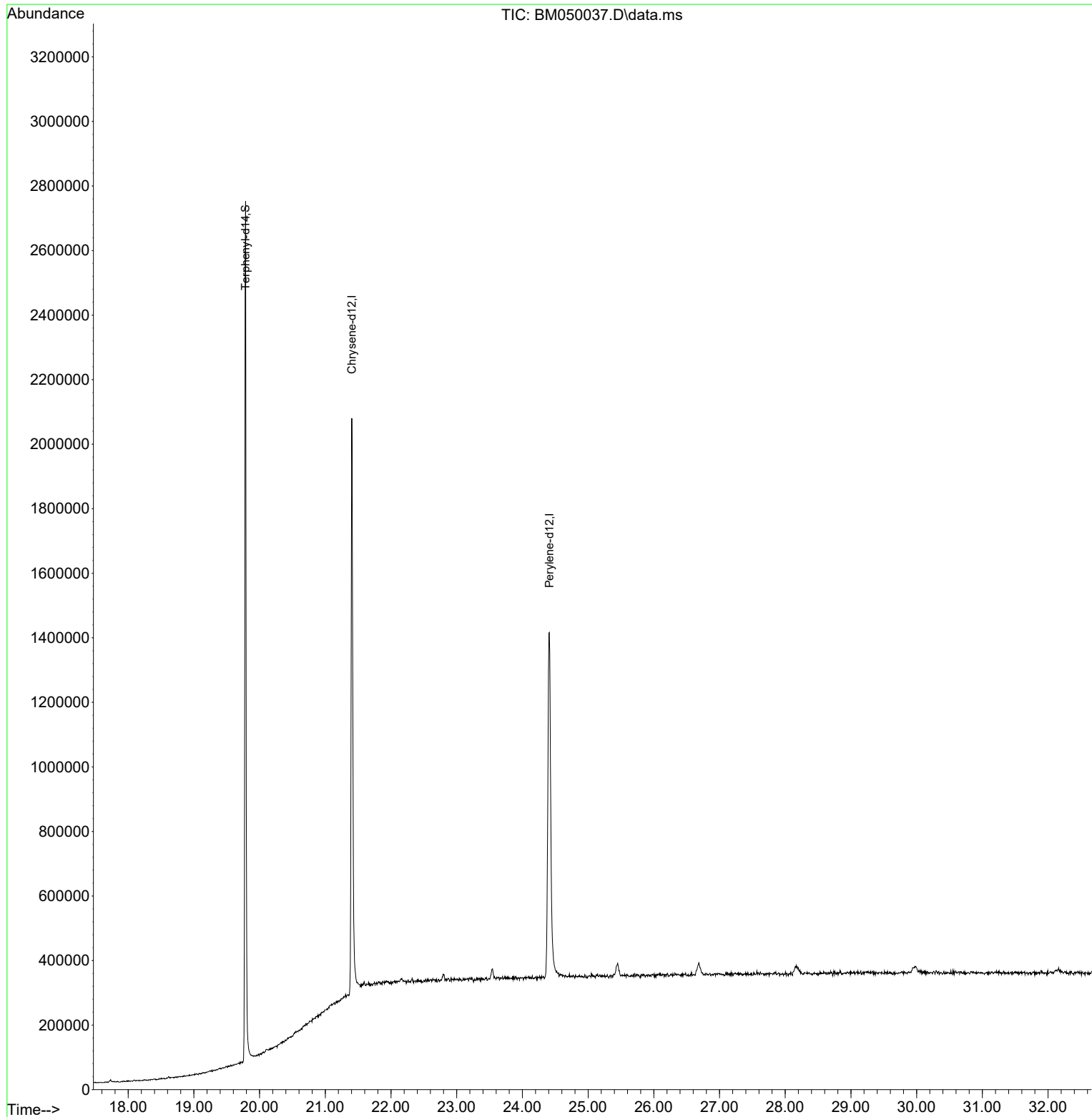
Quant Time: Apr 29 11:44:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
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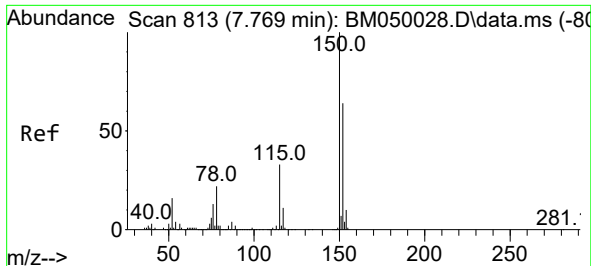


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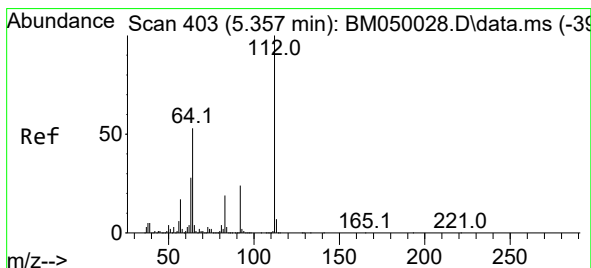
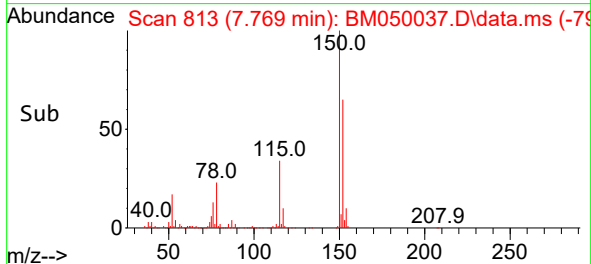
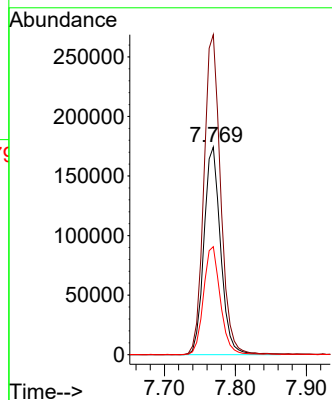
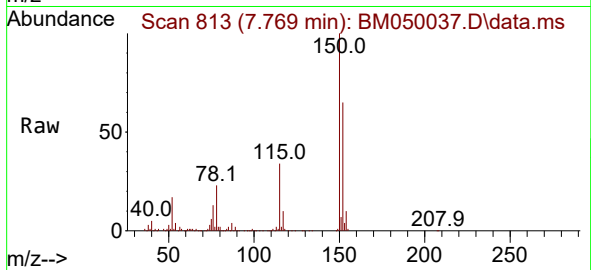




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 813
Delta R.T. -0.000 min
Lab File: BM050037.D
Acq: 29 Apr 2025 11:00

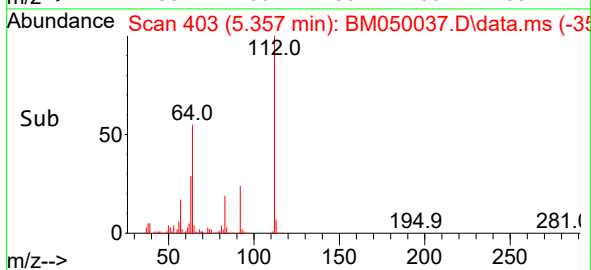
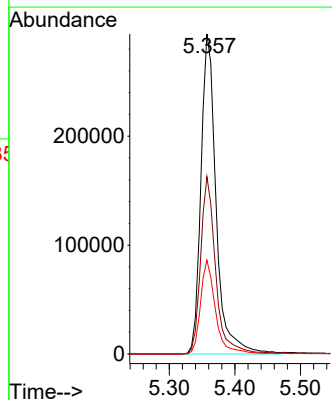
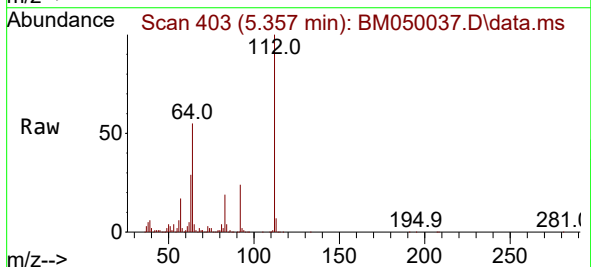
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BNA_M
ClientSampleId :
PT-ACIDS-WPDL

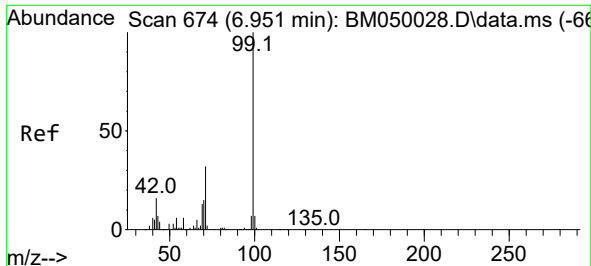
Tgt Ion:152 Resp: 285134
Ion Ratio Lower Upper
152 100
150 154.1 124.1 186.1
115 52.0 41.2 61.8



#5
2-Fluorophenol
Concen: 29.211 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.000 min
Lab File: BM050037.D
Acq: 29 Apr 2025 11:00

Tgt Ion:112 Resp: 475658
Ion Ratio Lower Upper
112 100
64 55.4 42.6 64.0
63 29.3 22.2 33.4

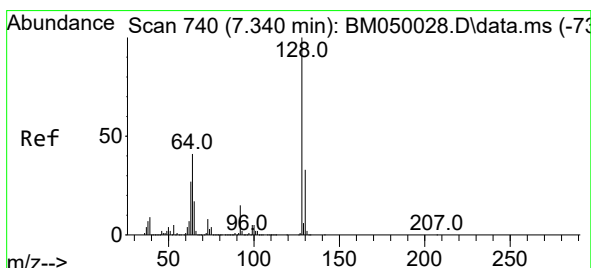
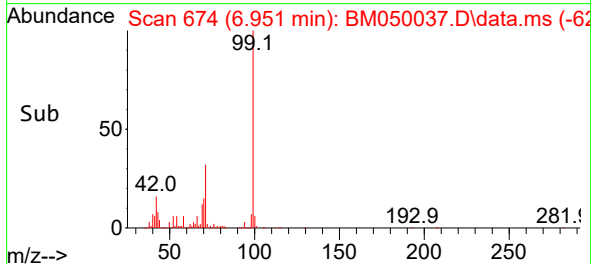
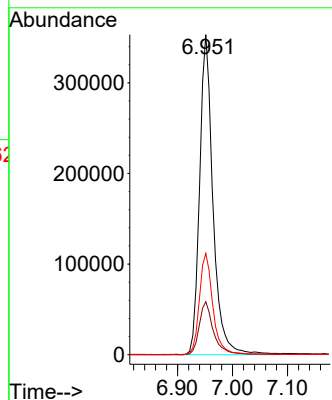
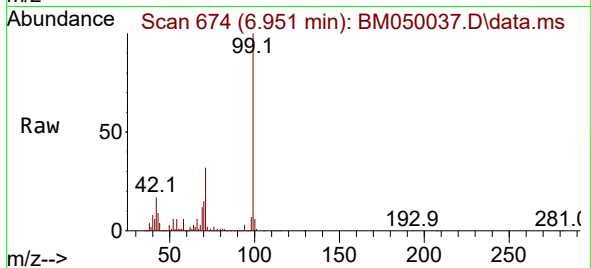




#7
Phenol-d6
Concen: 29.237 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM050037.D
Acq: 29 Apr 2025 11:00

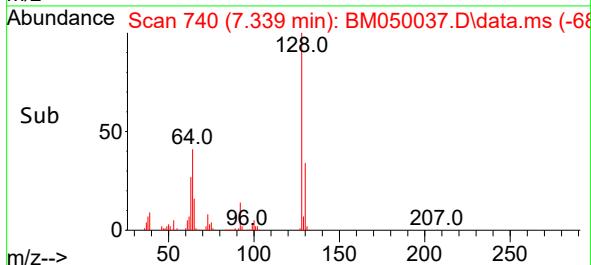
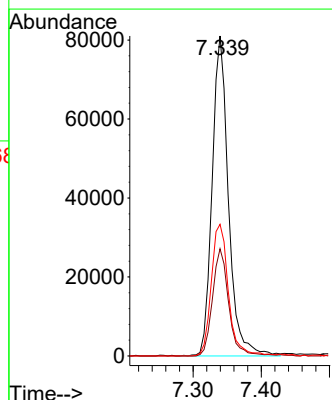
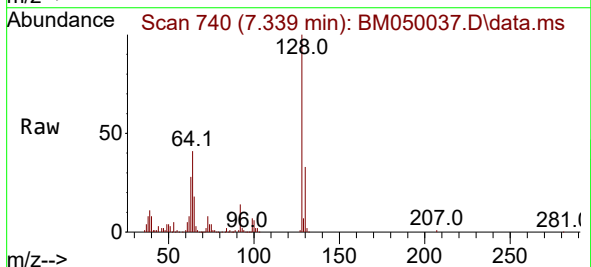
Instrument :
BNA_M
ClientSampleId :
PT-ACIDS-WPDL

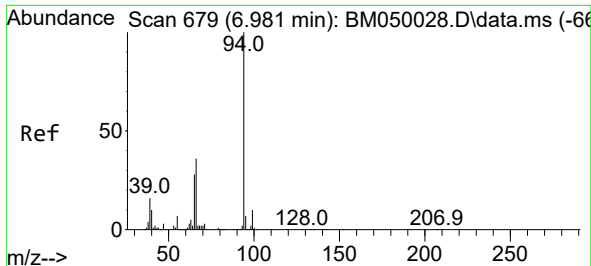
Tgt Ion: 99 Resp: 598360
Ion Ratio Lower Upper
99 100
42 16.5 13.0 19.4
71 31.6 25.6 38.4



#8
2-Chlorophenol
Concen: 7.682 ng
RT: 7.339 min Scan# 740
Delta R.T. -0.000 min
Lab File: BM050037.D
Acq: 29 Apr 2025 11:00

Tgt Ion: 128 Resp: 135242
Ion Ratio Lower Upper
128 100
130 33.5 12.8 52.8
64 41.2 21.2 61.2

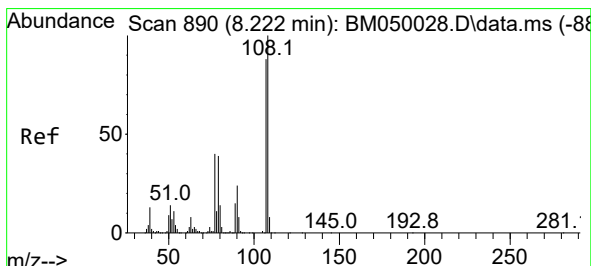
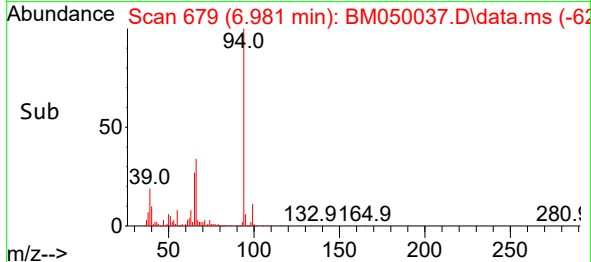
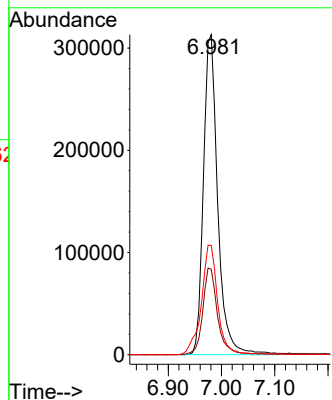
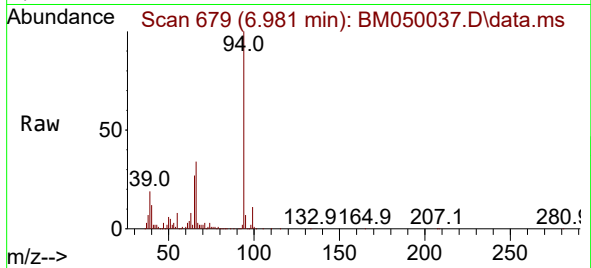




#10
Phenol
Concen: 28.166 ng
RT: 6.981 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM050037.D
Acq: 29 Apr 2025 11:00

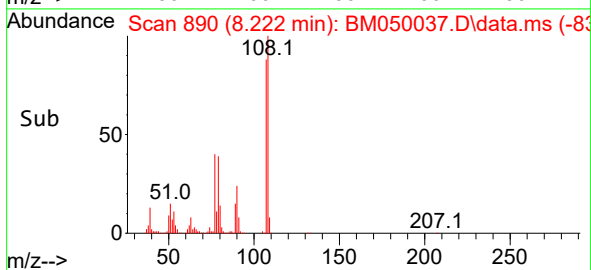
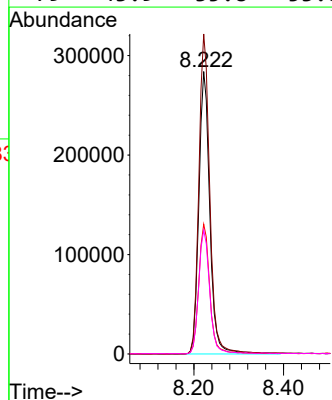
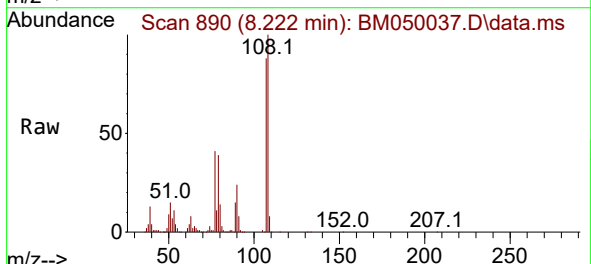
Instrument :
BNA_M
ClientSampleId :
PT-ACIDS-WPDL

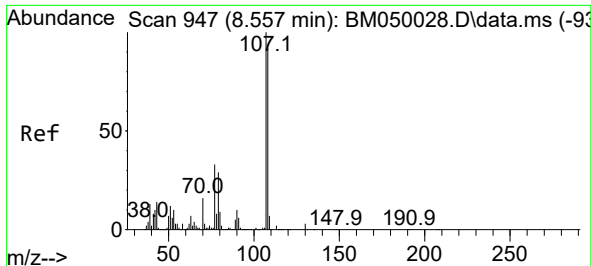
Tgt Ion: 94 Resp: 583557
Ion Ratio Lower Upper
94 100
65 26.7 7.6 47.6
66 34.2 15.8 55.8



#17
2-Methylphenol
Concen: 35.199 ng
RT: 8.222 min Scan# 890
Delta R.T. -0.000 min
Lab File: BM050037.D
Acq: 29 Apr 2025 11:00

Tgt Ion: 107 Resp: 480425
Ion Ratio Lower Upper
107 100
108 113.3 91.1 136.7
77 45.9 36.2 54.4
79 43.9 35.8 53.8

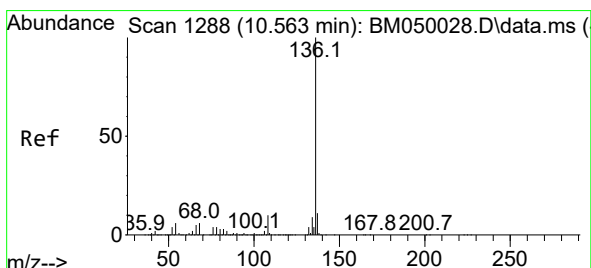
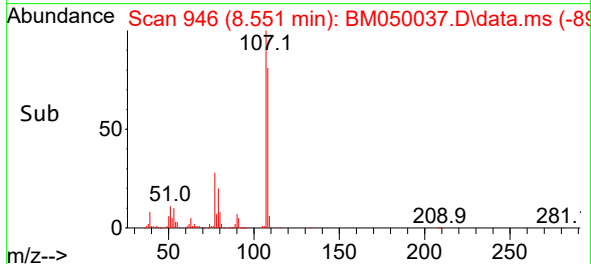
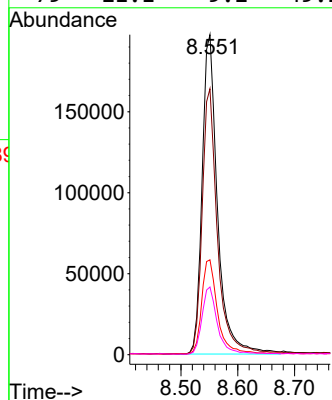
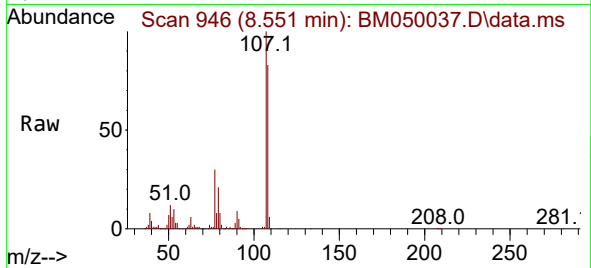




#20
3+4-Methylphenols
Concen: 20.191 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.006 min
Lab File: BM050037.D
Acq: 29 Apr 2025 11:00

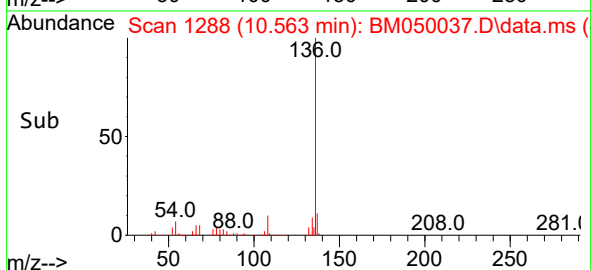
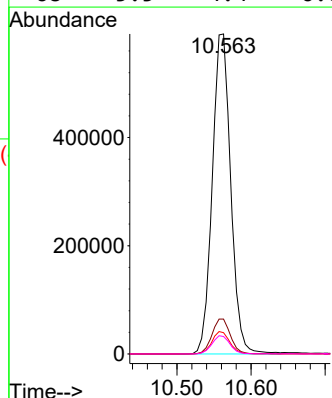
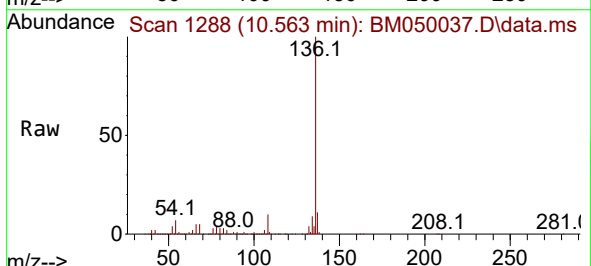
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BNA_M
ClientSampleId :
PT-ACIDS-WPDL

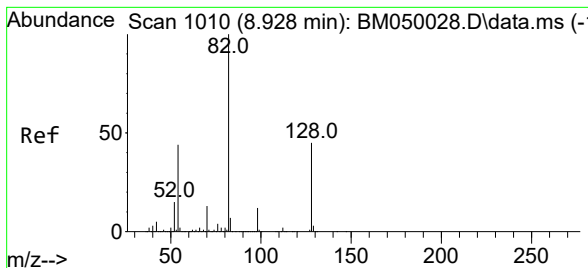
Tgt Ion:107 Resp: 372169
Ion Ratio Lower Upper
107 100
108 83.1 72.4 112.4
77 29.6 13.6 53.6
79 21.1 9.2 49.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. -0.000 min
Lab File: BM050037.D
Acq: 29 Apr 2025 11:00

Tgt Ion:136 Resp: 1023582
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 6.6 5.1 7.7
68 5.5 4.4 6.6

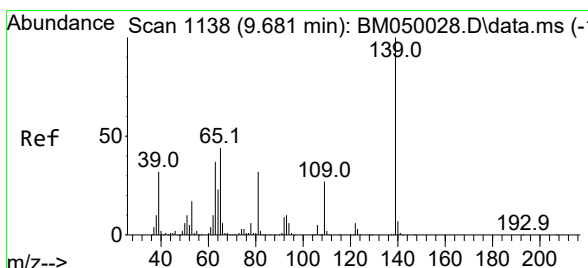
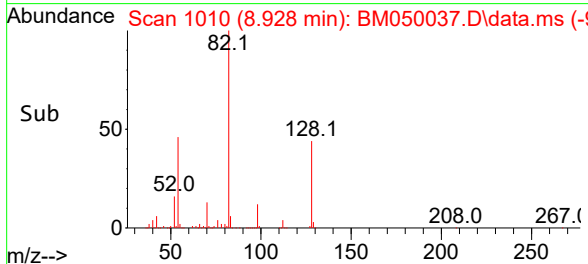
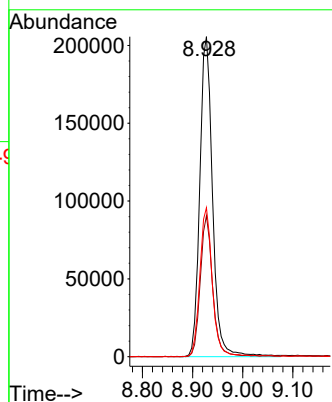
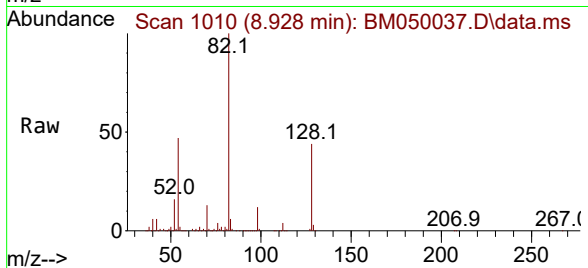




#23
Nitrobenzene-d5
Concen: 17.494 ng
RT: 8.928 min Scan# 1010
Delta R.T. -0.000 min
Lab File: BM050037.D
Acq: 29 Apr 2025 11:00

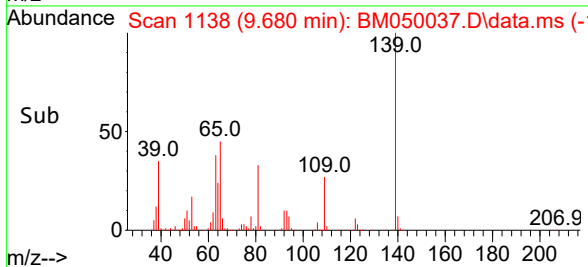
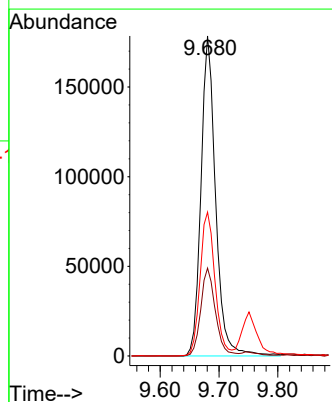
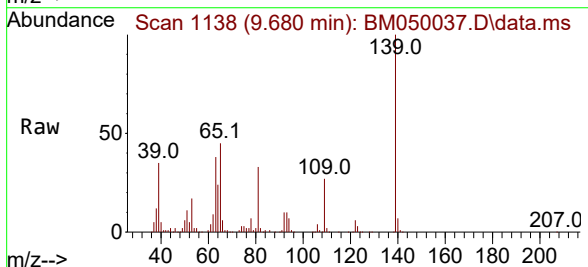
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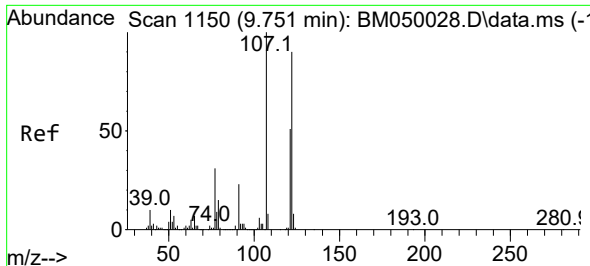
Tgt Ion: 82 Resp: 363396
Ion Ratio Lower Upper
82 100
128 44.1 35.7 53.5
54 46.5 35.4 53.2



#26
2-Nitrophenol
Concen: 33.664 ng
RT: 9.680 min Scan# 1138
Delta R.T. -0.000 min
Lab File: BM050037.D
Acq: 29 Apr 2025 11:00

Tgt Ion: 139 Resp: 308890
Ion Ratio Lower Upper
139 100
109 27.4 21.9 32.9
65 45.0 35.4 53.2





#27

2,4-Dimethylphenol

Concen: 26.825 ng

RT: 9.751 min Scan# 1150

Delta R.T. -0.000 min

Lab File: BM050037.D

Acq: 29 Apr 2025 11:00

Instrument :

BNA_M

ClientSampleId :

PT-ACIDS-WPDL

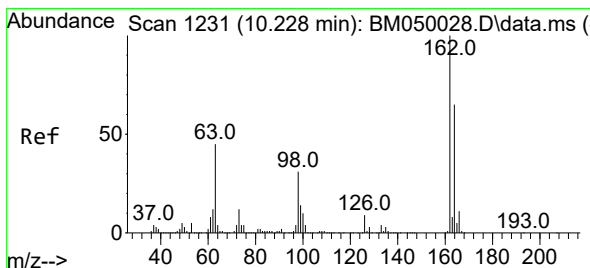
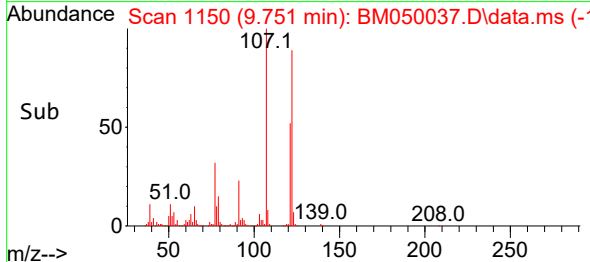
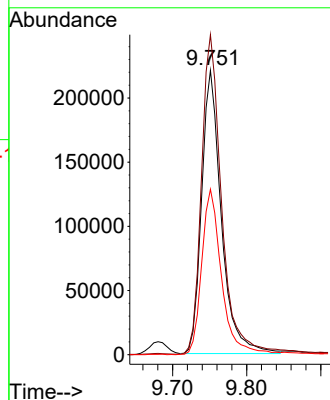
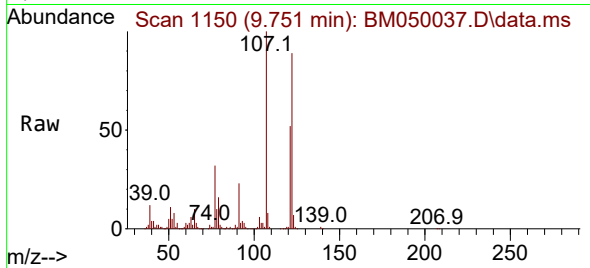
Tgt Ion:122 Resp: 408187

Ion Ratio Lower Upper

122 100

107 112.5 89.0 133.6

121 58.2 45.6 68.4



#29

2,4-Dichlorophenol

Concen: 13.020 ng

RT: 10.239 min Scan# 1233

Delta R.T. 0.012 min

Lab File: BM050037.D

Acq: 29 Apr 2025 11:00

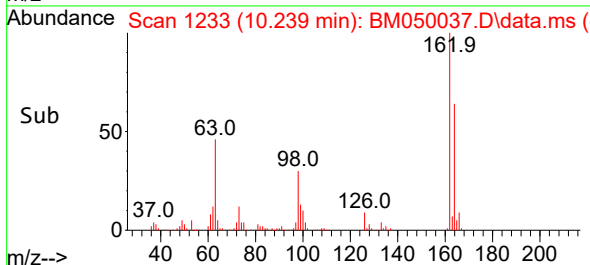
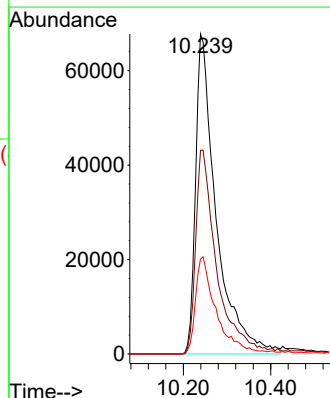
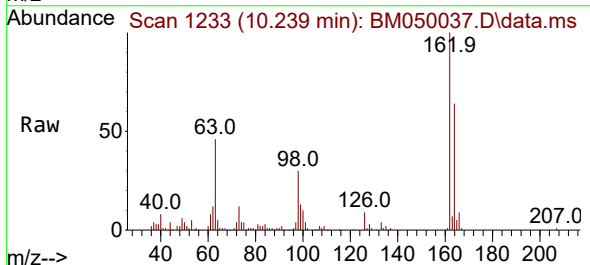
Tgt Ion:162 Resp: 221948

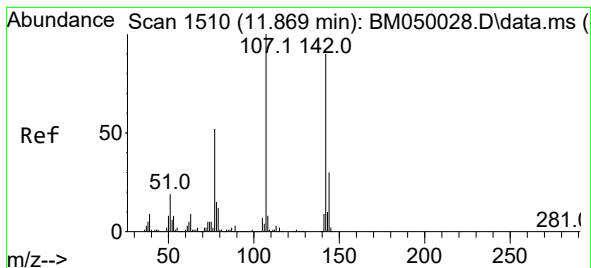
Ion Ratio Lower Upper

162 100

164 63.6 45.4 85.4

98 29.7 11.3 51.3

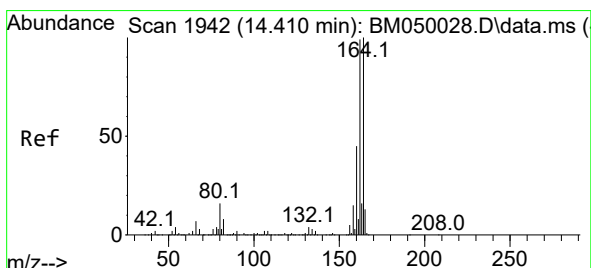
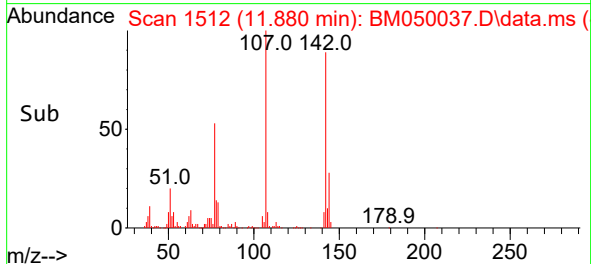
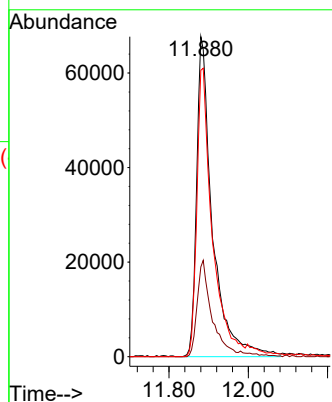
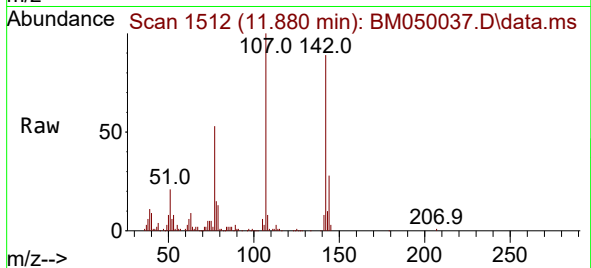




#36
4-Chloro-3-methylphenol
Concen: 11.936 ng
RT: 11.880 min Scan# 1510
Delta R.T. 0.012 min
Lab File: BM050037.D
Acq: 29 Apr 2025 11:00

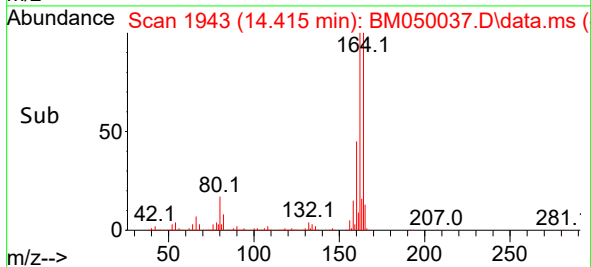
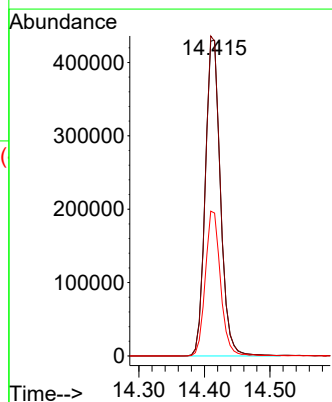
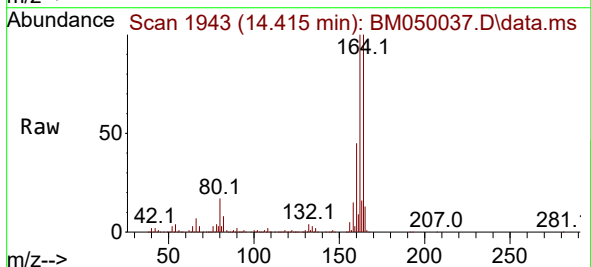
Instrument :
BNA_M
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PT-ACIDS-WPDL

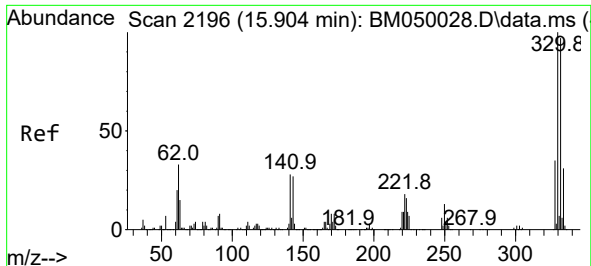
Tgt Ion:107 Resp: 187985
Ion Ratio Lower Upper
107 100
144 28.1 23.8 35.6
142 89.5 71.9 107.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.415 min Scan# 1943
Delta R.T. 0.005 min
Lab File: BM050037.D
Acq: 29 Apr 2025 11:00

Tgt Ion:164 Resp: 695798
Ion Ratio Lower Upper
164 100
162 99.7 79.4 119.0
160 45.2 36.2 54.4

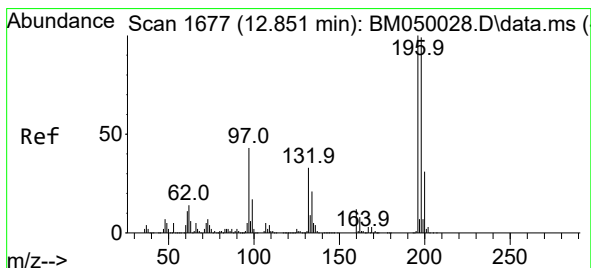
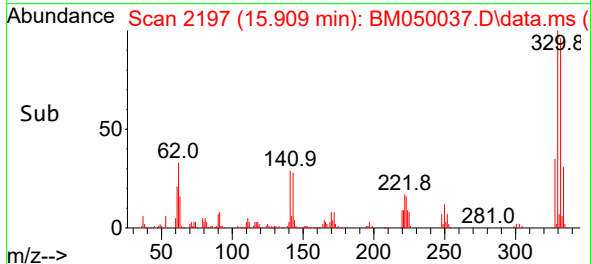
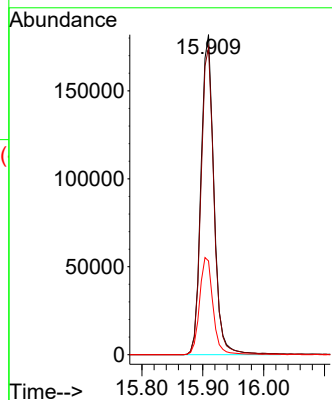
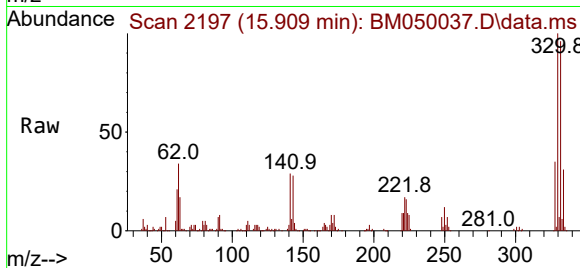




#42
2,4,6-Tribromophenol
Concen: 26.116 ng
RT: 15.909 min Scan# 2196
Delta R.T. 0.006 min
Lab File: BM050037.D
Acq: 29 Apr 2025 11:00

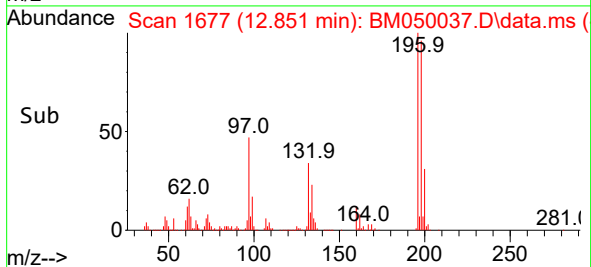
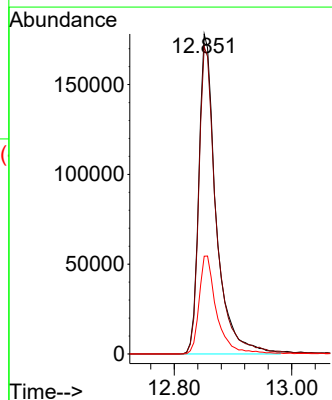
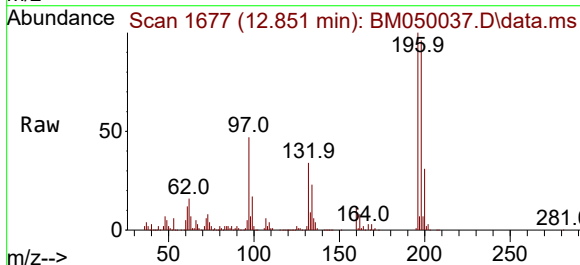
Instrument :
BNA_M
ClientSampleId :
PT-ACIDS-WPDL

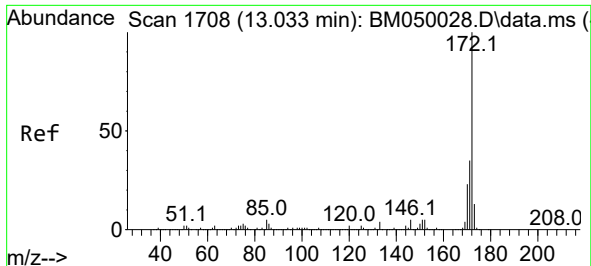
Tgt Ion:330 Resp: 268686
Ion Ratio Lower Upper
330 100
332 96.7 77.3 115.9
141 31.5 22.5 33.7



#43
2,4,6-Trichlorophenol
Concen: 23.774 ng
RT: 12.851 min Scan# 1677
Delta R.T. -0.000 min
Lab File: BM050037.D
Acq: 29 Apr 2025 11:00

Tgt Ion:196 Resp: 363197
Ion Ratio Lower Upper
196 100
198 96.0 79.0 118.6
200 30.5 25.1 37.7

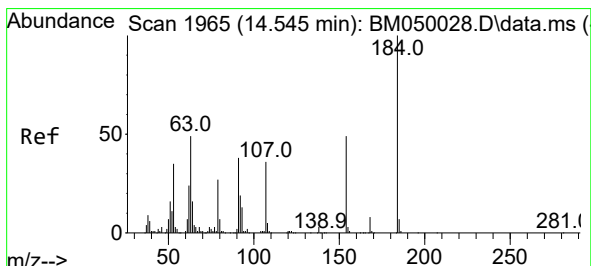
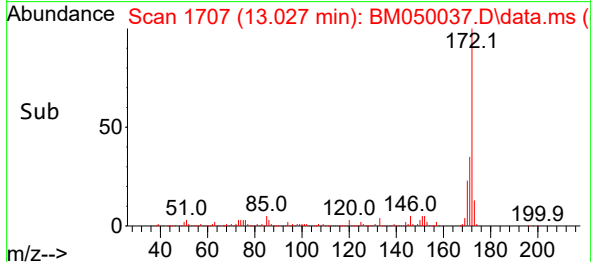
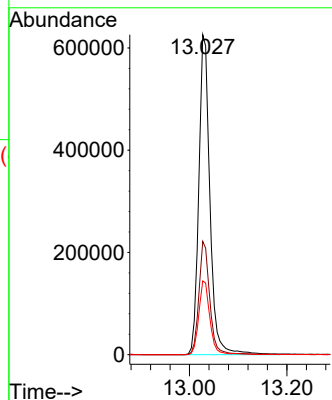
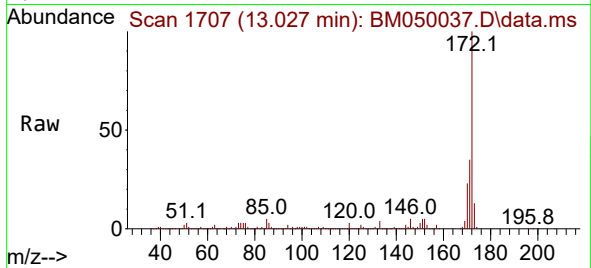




#45
2-Fluorobiphenyl
Concen: 16.953 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050037.D
Acq: 29 Apr 2025 11:00

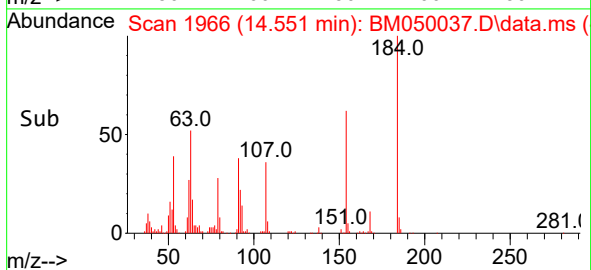
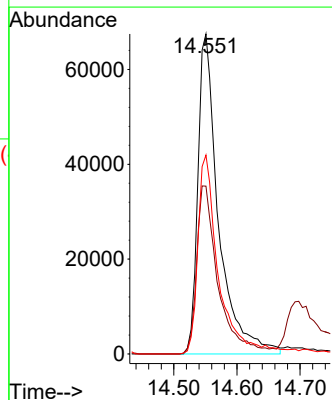
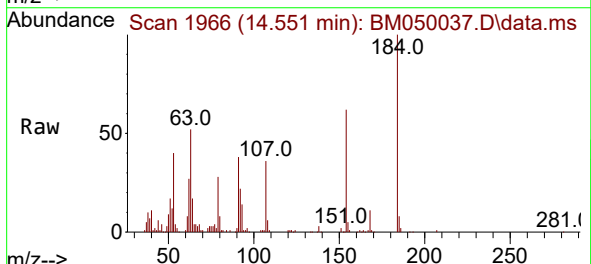
Instrument :
BNA_M
ClientSampleId :
PT-ACIDS-WPDL

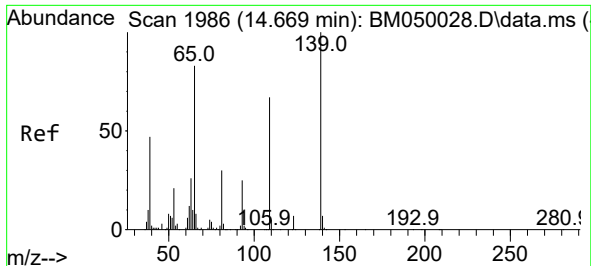
Tgt Ion:172 Resp: 997151
Ion Ratio Lower Upper
172 100
171 35.4 27.8 41.6
170 23.0 18.6 28.0



#54
2,4-Dinitrophenol
Concen: 26.867 ng
RT: 14.551 min Scan# 1966
Delta R.T. 0.006 min
Lab File: BM050037.D
Acq: 29 Apr 2025 11:00

Tgt Ion:184 Resp: 153333
Ion Ratio Lower Upper
184 100
63 52.5 39.8 59.6
154 62.2 46.1 69.1

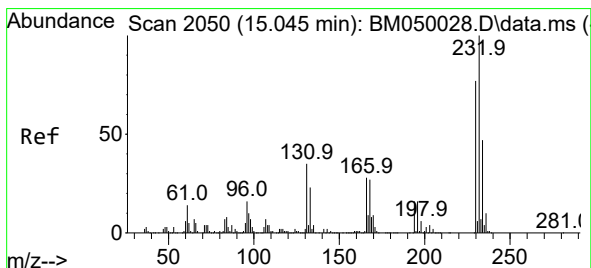
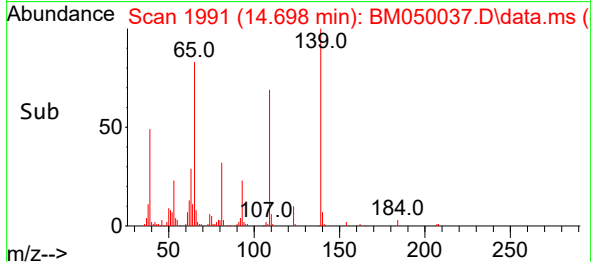
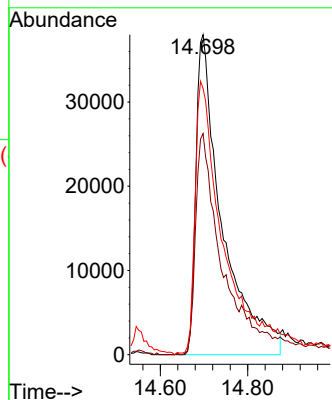
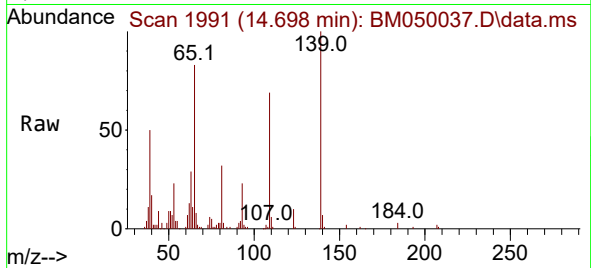




#56
4-Nitrophenol
Concen: 22.828 ng
RT: 14.698 min Scan# 1986
Delta R.T. 0.029 min
Lab File: BM050037.D
Acq: 29 Apr 2025 11:00

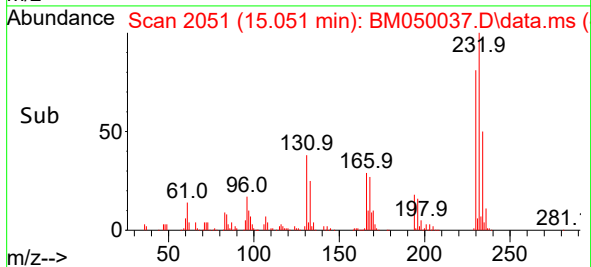
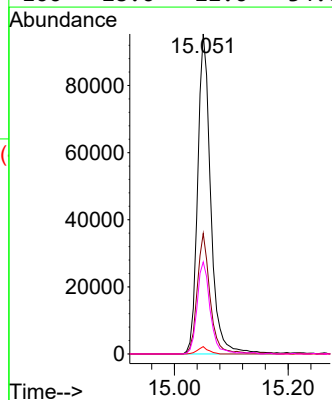
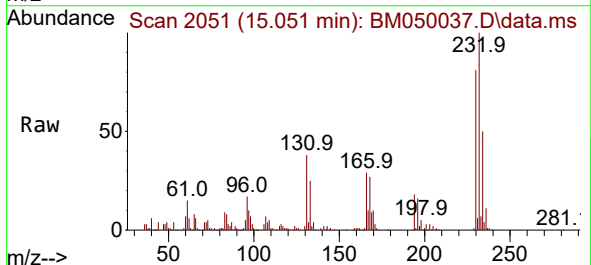
Instrument :
BNA_M
ClientSampleId :
PT-ACIDS-WPDL

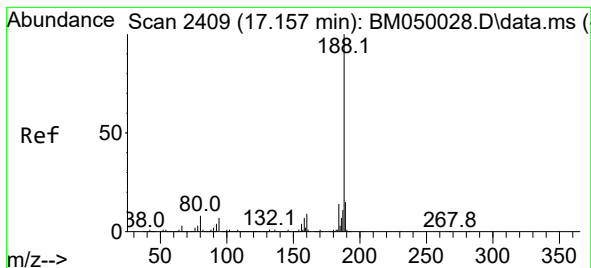
Tgt Ion:139 Resp: 158586
Ion Ratio Lower Upper
139 100
109 69.1 47.0 87.0
65 83.2 64.3 104.3



#59
2,3,4,6-Tetrachlorophenol
Concen: 10.725 ng
RT: 15.051 min Scan# 2051
Delta R.T. 0.006 min
Lab File: BM050037.D
Acq: 29 Apr 2025 11:00

Tgt Ion:232 Resp: 152946
Ion Ratio Lower Upper
232 100
131 36.9 28.2 42.4
130 1.9 1.5 2.3
166 28.6 22.6 34.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.156 min Scan# 2409

Delta R.T. -0.001 min

Lab File: BM050037.D

Acq: 29 Apr 2025 11:00

Instrument :

BNA_M

ClientSampleId :

PT-ACIDS-WPDL

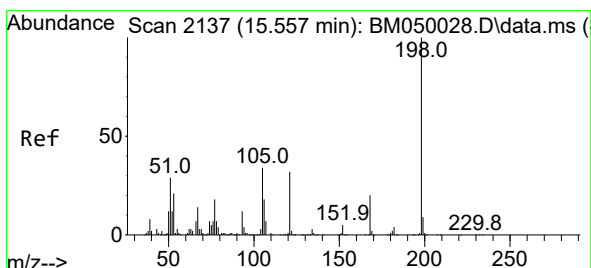
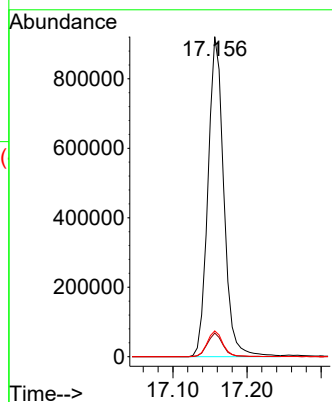
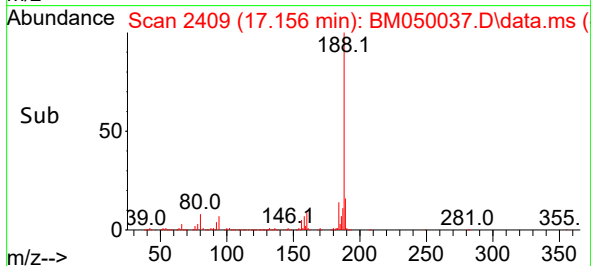
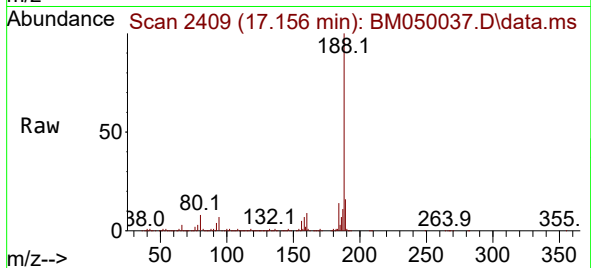
Tgt Ion:188 Resp: 1366968

Ion Ratio Lower Upper

188 100

94 7.4 5.7 8.5

80 8.0 6.2 9.4



#65

4,6-Dinitro-2-methylphenol

Concen: 14.844 ng

RT: 15.562 min Scan# 2138

Delta R.T. 0.005 min

Lab File: BM050037.D

Acq: 29 Apr 2025 11:00

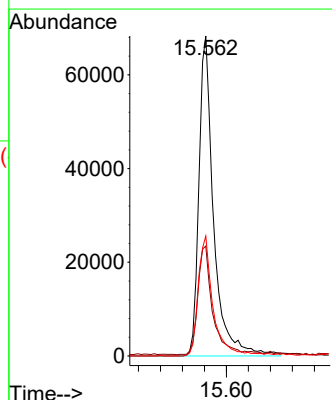
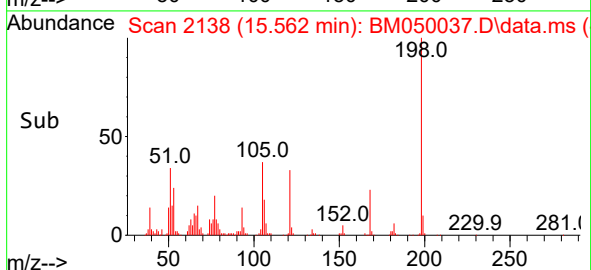
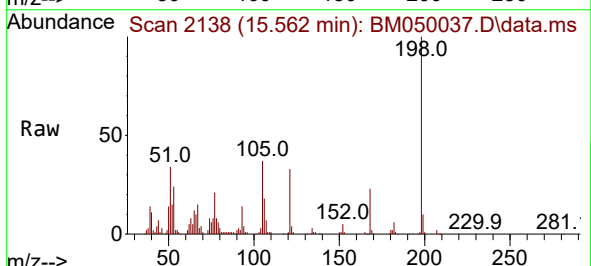
Tgt Ion:198 Resp: 127018

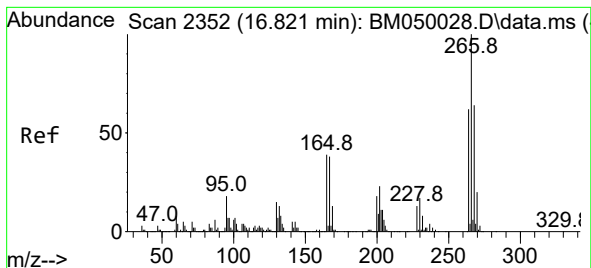
Ion Ratio Lower Upper

198 100

51 34.4 10.4 50.4

105 37.4 14.6 54.6





#70

Pentachlorophenol

Concen: 15.002 ng

RT: 16.827 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM050037.D

Acq: 29 Apr 2025 11:00

Instrument :

BNA_M

ClientSampleId :

PT-ACIDS-WPDL

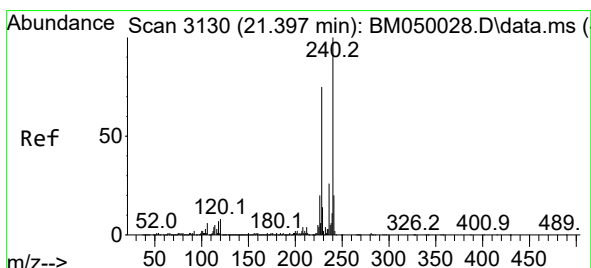
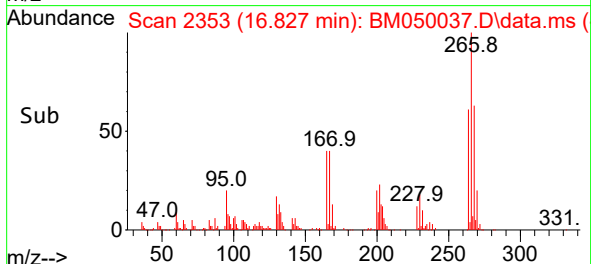
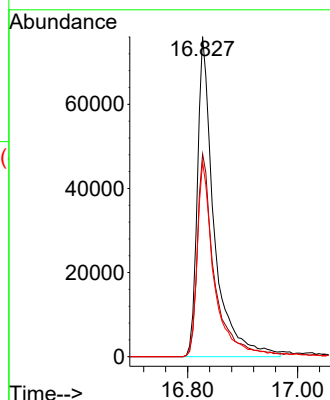
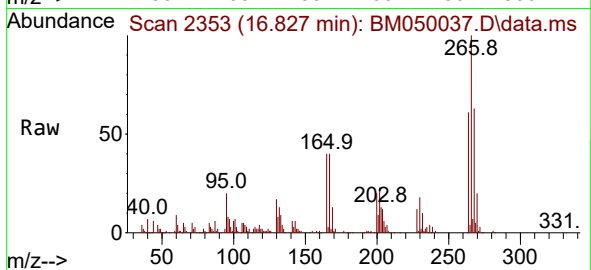
Tgt Ion:266 Resp: 160909

Ion Ratio Lower Upper

266 100

268 63.3 51.2 76.8

264 60.9 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: BM050037.D

Acq: 29 Apr 2025 11:00

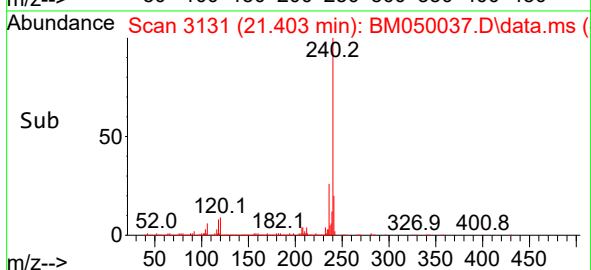
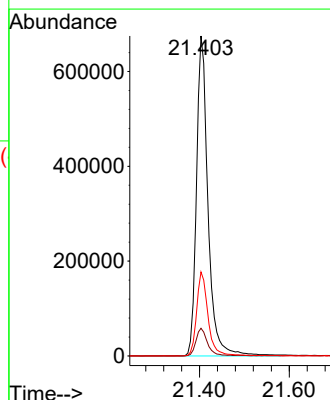
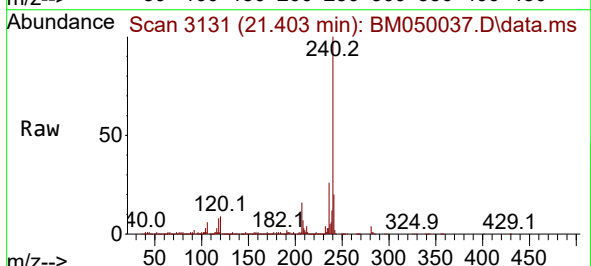
Tgt Ion:240 Resp: 1204986

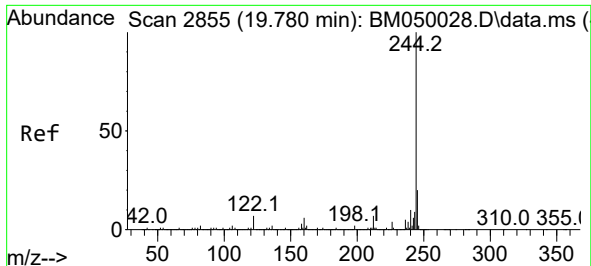
Ion Ratio Lower Upper

240 100

120 8.6 6.5 9.7

236 26.2 20.9 31.3

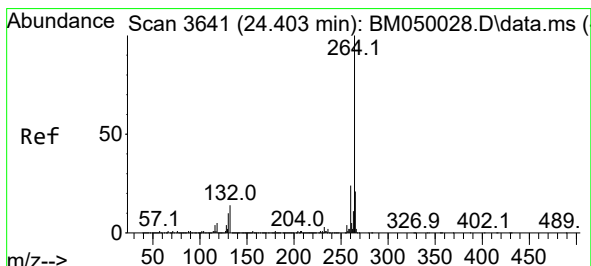
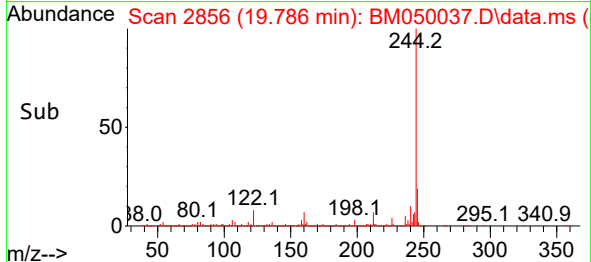
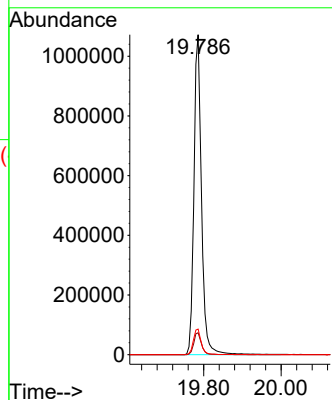
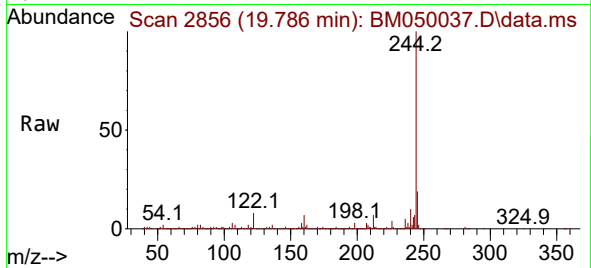




#79
 Terphenyl-d14
 Concen: 17.919 ng
 RT: 19.786 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BM050037.D
 Acq: 29 Apr 2025 11:00

Instrument :
 BNA_M
 ClientSampleId :
 PT-ACIDS-WPDL

Tgt Ion:244 Resp: 1459162
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 8.0 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.409 min Scan# 3642
 Delta R.T. 0.006 min
 Lab File: BM050037.D
 Acq: 29 Apr 2025 11:00

Tgt Ion:264 Resp: 1245037
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.8 28.2
 265 22.0 17.0 25.4

