

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042925\
 Data File : BM050039.D
 Acq On : 29 Apr 2025 12:19
 Operator : RC/JU
 Sample : Q1870-03DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 38073-100124DL

Quant Time: Apr 29 12:49:59 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)

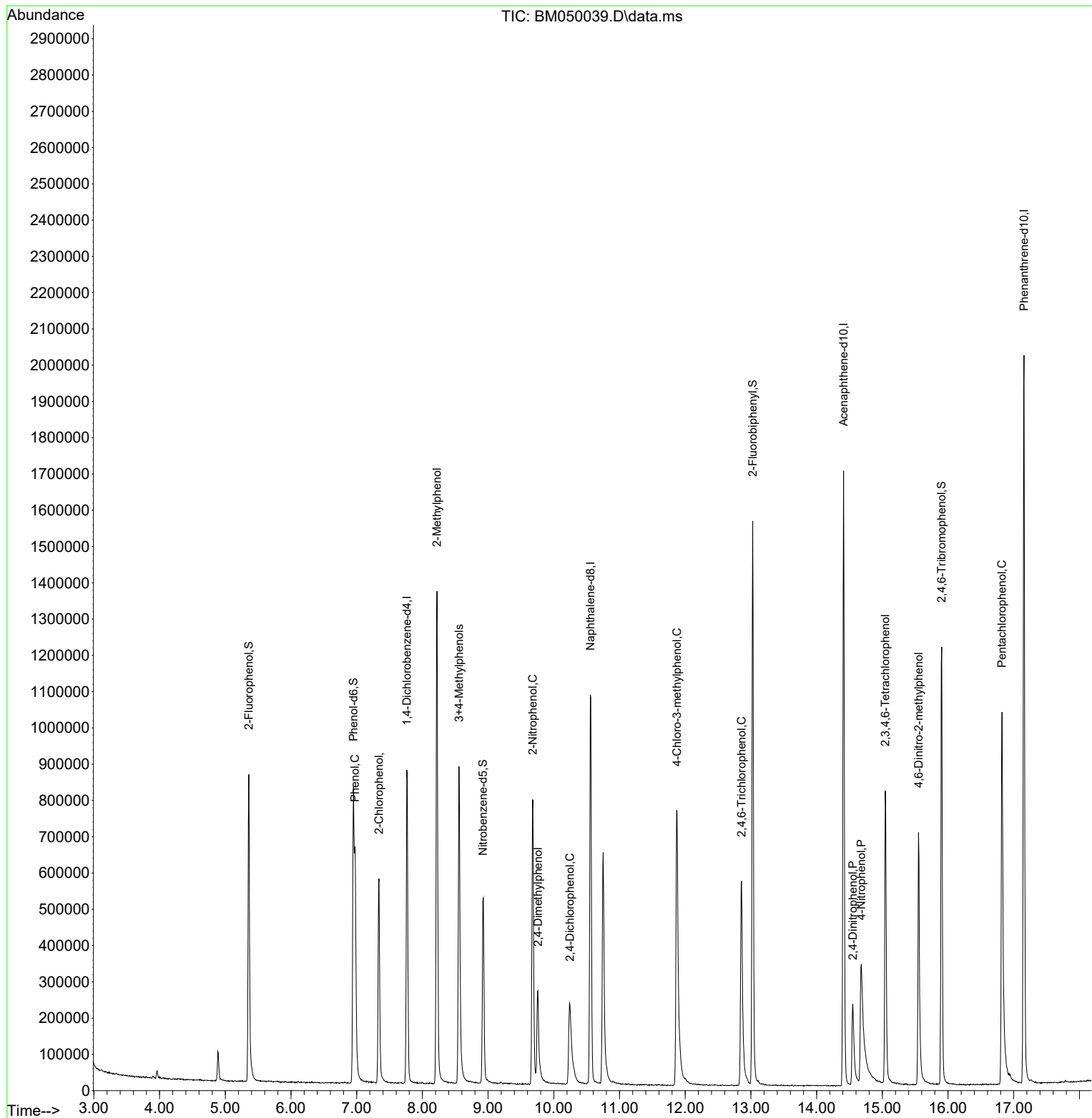
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	263165	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	956265	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	649474	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1264583	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1106889	20.000	ng	0.00
86) Perylene-d12	24.403	264	1162761	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	412664	27.458	ng	0.00
7) Phenol-d6	6.951	99	525578	27.824	ng	0.00
23) Nitrobenzene-d5	8.922	82	321963	16.591	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	242779	25.281	ng	0.00
45) 2-Fluorobiphenyl	13.028	172	891533	16.239	ng	0.00
79) Terphenyl-d14	19.780	244	1240532	16.584	ng	0.00
Target Compounds						
						Qvalue
8) 2-Chlorophenol	7.340	128	285108	17.546	ng	98
10) Phenol	6.975	94	358723	18.759	ng	99
17) 2-Methylphenol	8.222	107	437982	34.768	ng	98
20) 3+4-Methylphenols	8.557	107	377978	22.218	ng	88
26) 2-Nitrophenol	9.681	139	303356	35.388	ng	99
27) 2,4-Dimethylphenol	9.757	122	103515	7.282	ng	98
29) 2,4-Dichlorophenol	10.245	162	180720	11.347	ng	99
36) 4-Chloro-3-methylphenol	11.875	107	402286	27.340	ng	99
43) 2,4,6-Trichlorophenol	12.857	196	220393	15.455	ng	99
54) 2,4-Dinitrophenol	14.551	184	80341	17.600	ng	93
56) 4-Nitrophenol	14.680	139	232111	33.220	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.045	232	197993	14.875	ng	99
65) 4,6-Dinitro-2-methylph...	15.551	198	207363	26.196	ng	93
70) Pentachlorophenol	16.821	266	269690	27.180	ng	98

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

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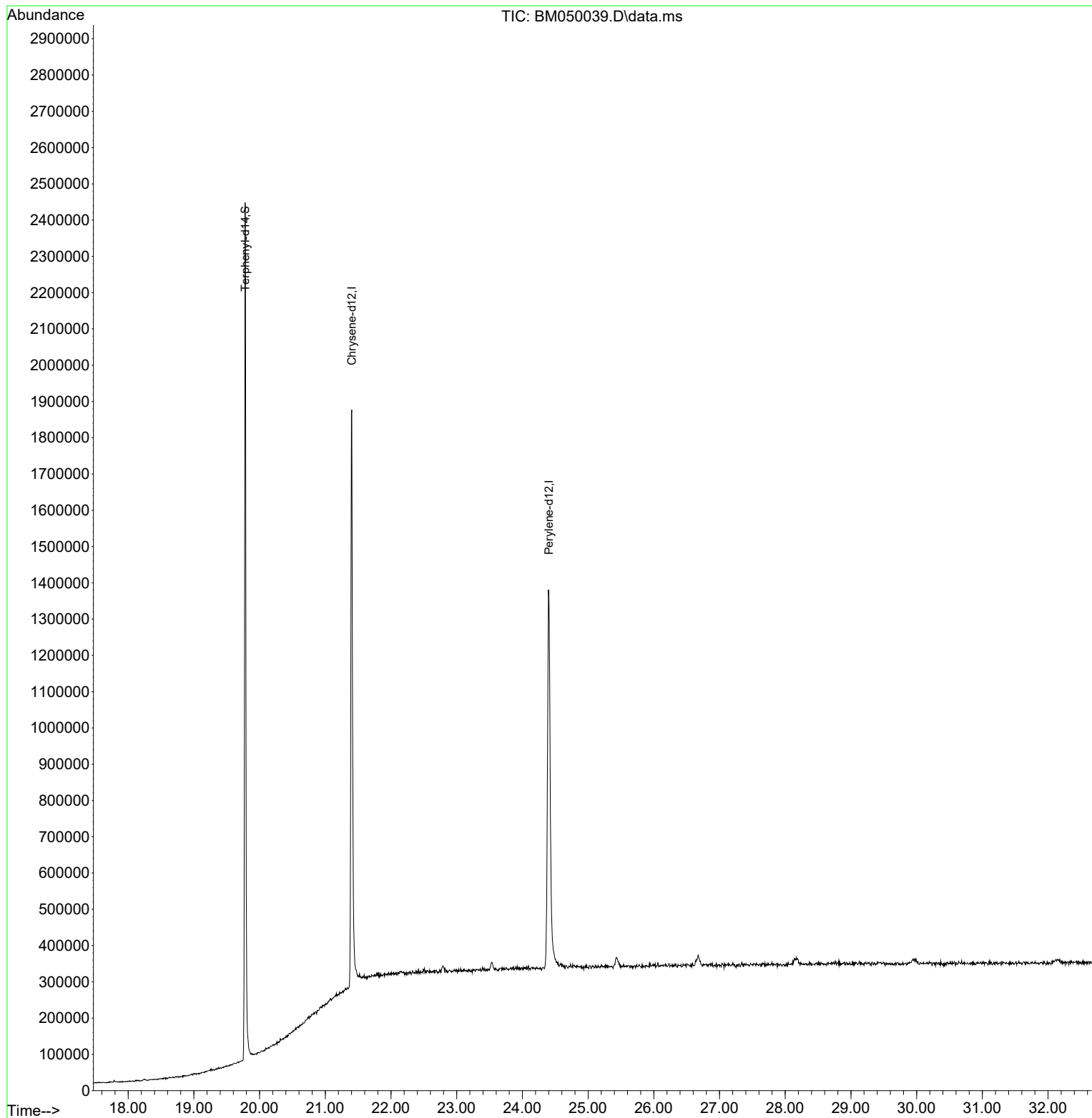
Quant Time: Apr 29 12:49:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
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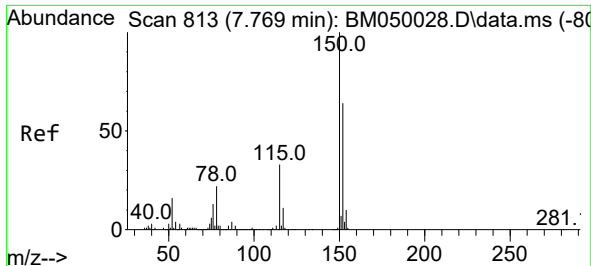


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042925\
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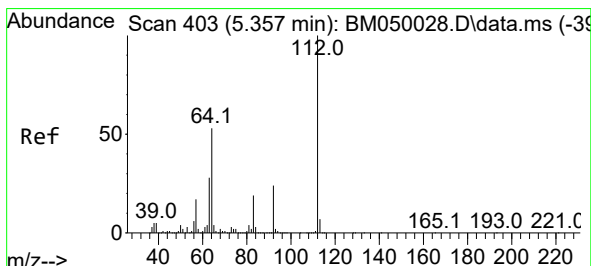
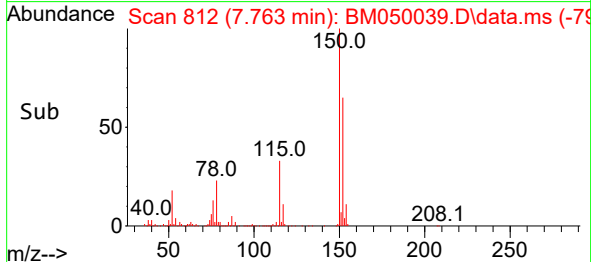
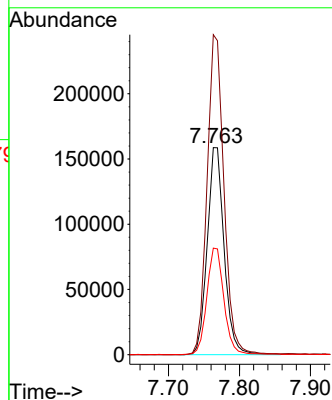
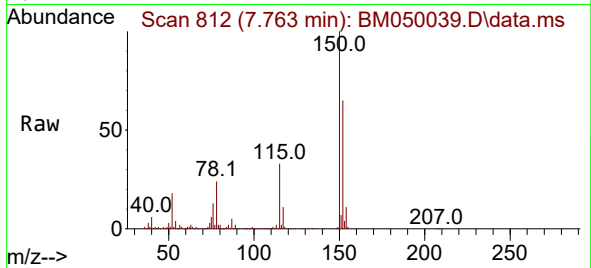




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 813
Delta R.T. -0.006 min
Lab File: BM050039.D
Acq: 29 Apr 2025 12:19

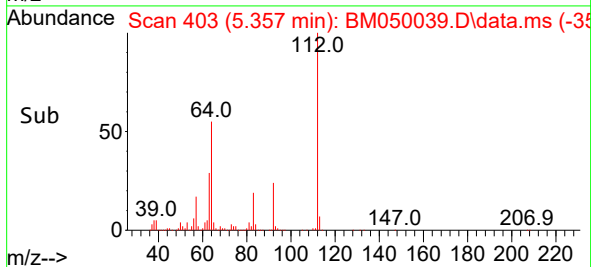
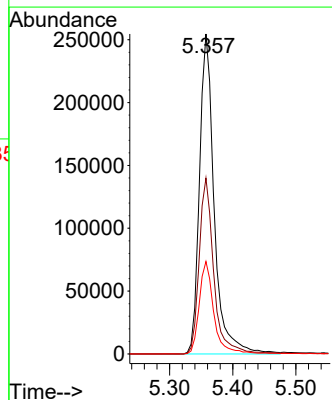
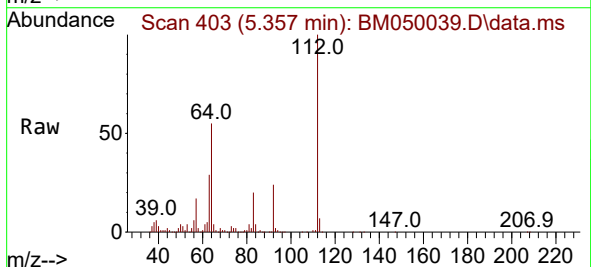
Instrument :
BNA_M
ClientSampleId :
38073-100124DL

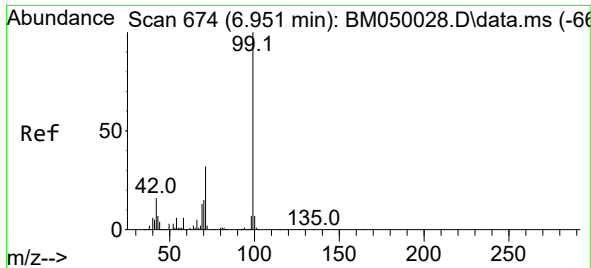
Tgt Ion:152 Resp: 263165
Ion Ratio Lower Upper
152 100
150 154.6 124.1 186.1
115 51.5 41.2 61.8



#5
2-Fluorophenol
Concen: 27.458 ng
RT: 5.357 min Scan# 403
Delta R.T. 0.000 min
Lab File: BM050039.D
Acq: 29 Apr 2025 12:19

Tgt Ion:112 Resp: 412664
Ion Ratio Lower Upper
112 100
64 55.0 42.6 64.0
63 28.9 22.2 33.4

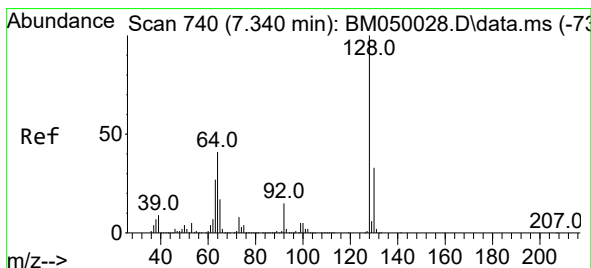
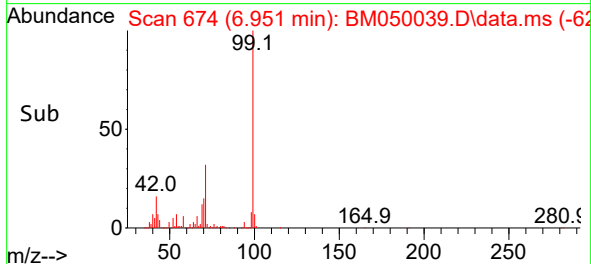
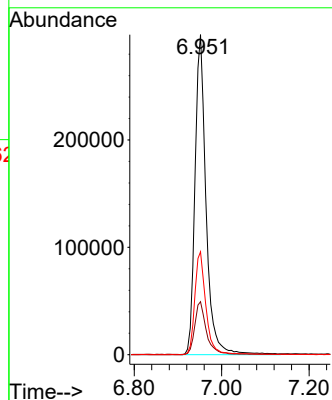
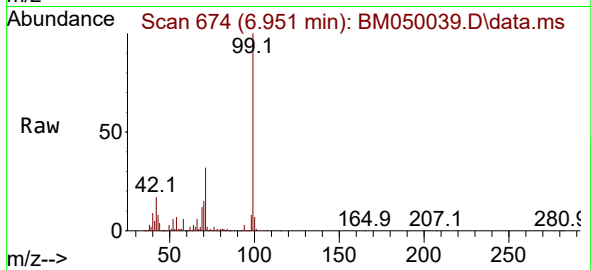




#7
Phenol-d6
Concen: 27.824 ng
RT: 6.951 min Scan# 674
Delta R.T. 0.000 min
Lab File: BM050039.D
Acq: 29 Apr 2025 12:19

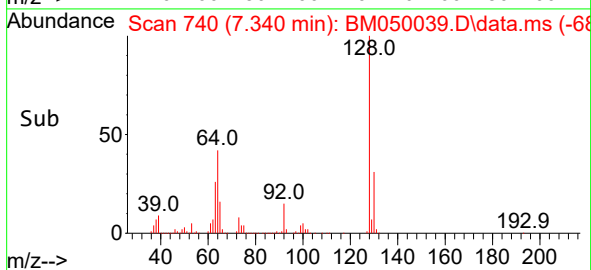
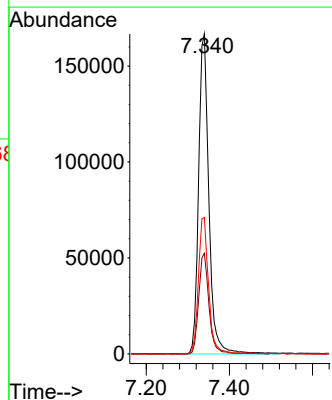
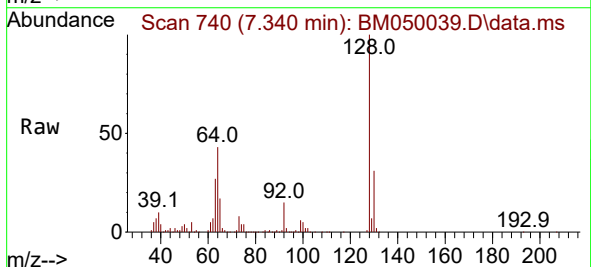
Instrument :
BNA_M
ClientSampleId :
38073-100124DL

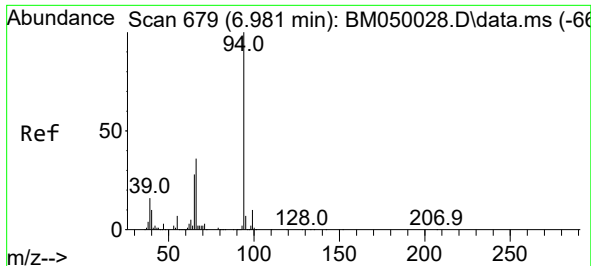
Tgt Ion: 99 Resp: 525578
Ion Ratio Lower Upper
99 100
42 16.6 13.0 19.4
71 32.2 25.6 38.4



#8
2-Chlorophenol
Concen: 17.546 ng
RT: 7.340 min Scan# 740
Delta R.T. 0.000 min
Lab File: BM050039.D
Acq: 29 Apr 2025 12:19

Tgt Ion: 128 Resp: 285108
Ion Ratio Lower Upper
128 100
130 31.5 12.8 52.8
64 42.6 21.2 61.2

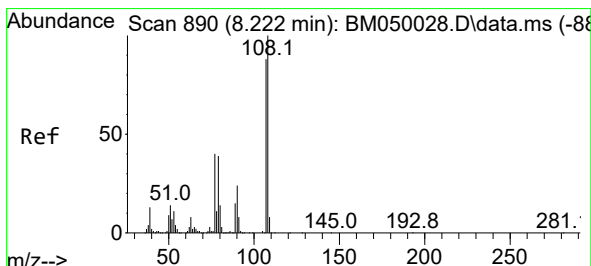
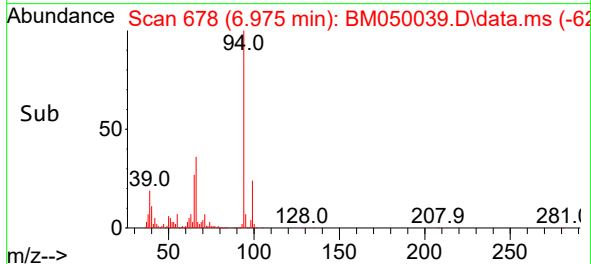
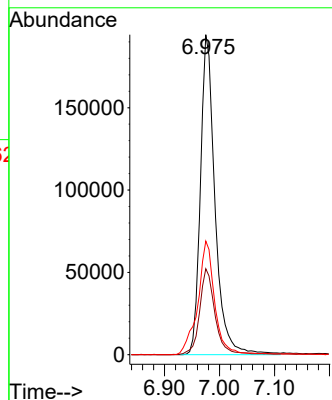
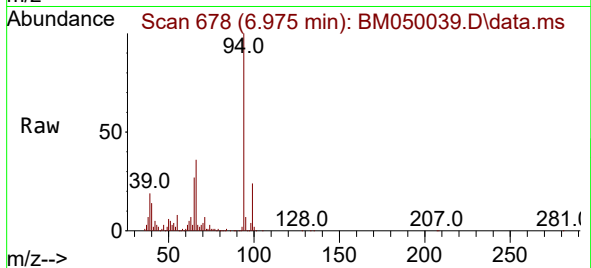




#10
Phenol
Concen: 18.759 ng
RT: 6.975 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM050039.D
Acq: 29 Apr 2025 12:19

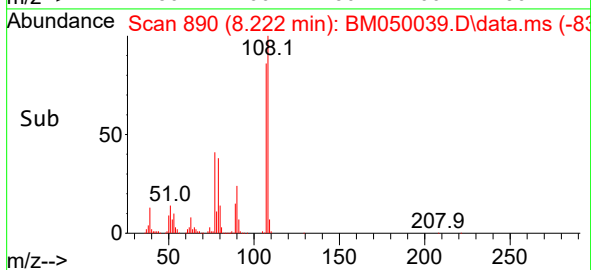
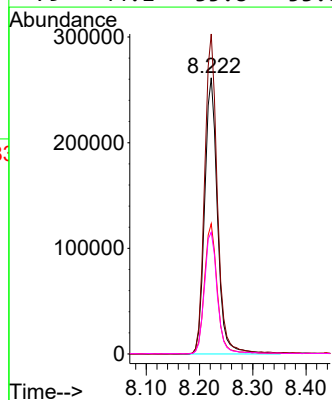
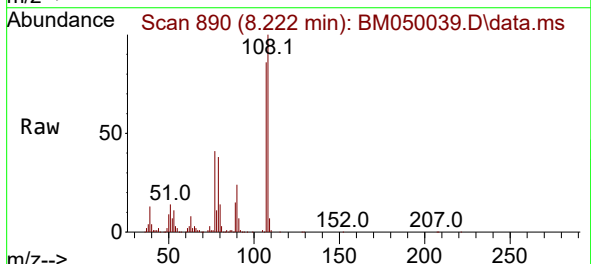
Instrument :
BNA_M
ClientSampleId :
38073-100124DL

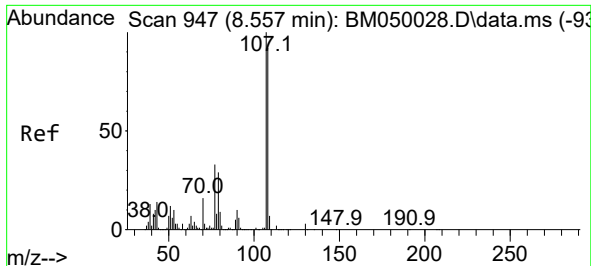
Tgt Ion: 94 Resp: 358723
Ion Ratio Lower Upper
94 100
65 26.8 7.6 47.6
66 35.5 15.8 55.8



#17
2-Methylphenol
Concen: 34.768 ng
RT: 8.222 min Scan# 890
Delta R.T. 0.000 min
Lab File: BM050039.D
Acq: 29 Apr 2025 12:19

Tgt Ion: 107 Resp: 437982
Ion Ratio Lower Upper
107 100
108 115.9 91.1 136.7
77 47.2 36.2 54.4
79 44.1 35.8 53.8



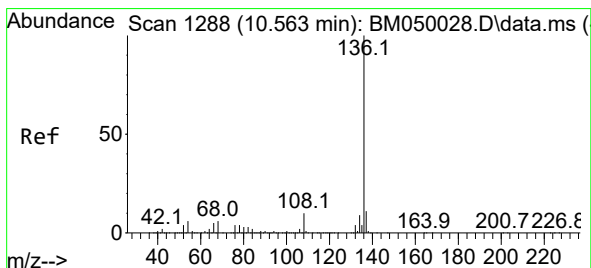
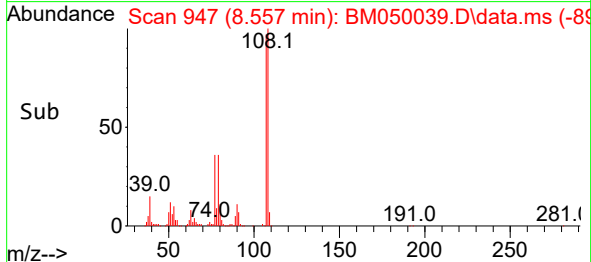
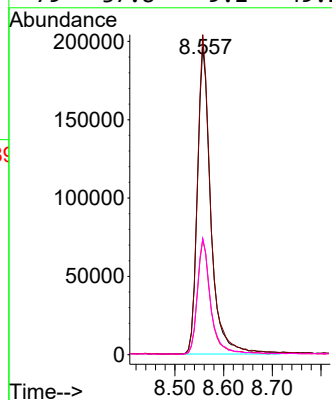
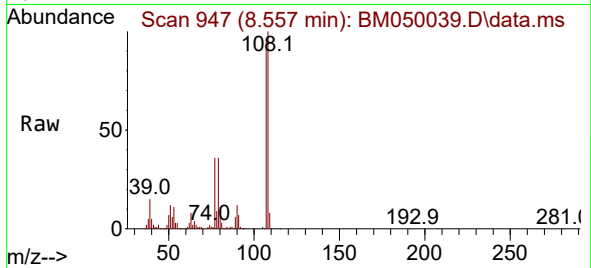


#20
3+4-Methylphenols
Concen: 22.218 ng
RT: 8.557 min Scan# 947
Delta R.T. 0.000 min
Lab File: BM050039.D
Acq: 29 Apr 2025 12:19

Instrument :
BNA_M
ClientSampleId :
38073-100124DL

Tgt Ion:107 Resp: 377978

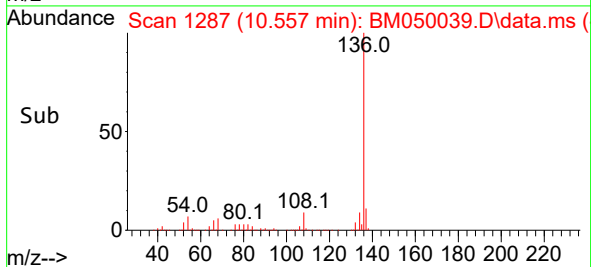
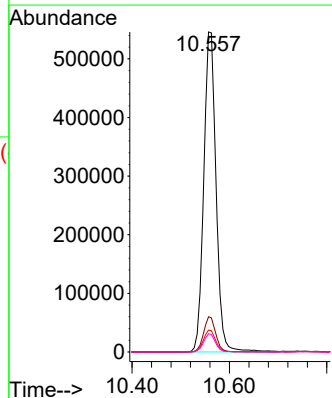
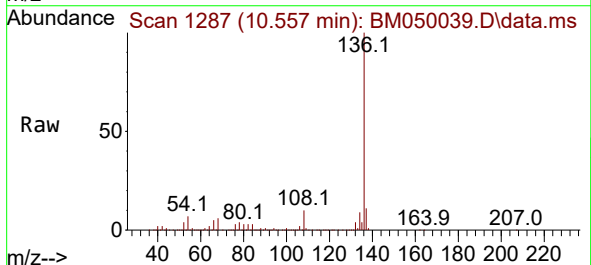
Ion	Ratio	Lower	Upper
107	100		
108	104.0	72.4	112.4
77	37.4	13.6	53.6
79	37.8	9.2	49.2

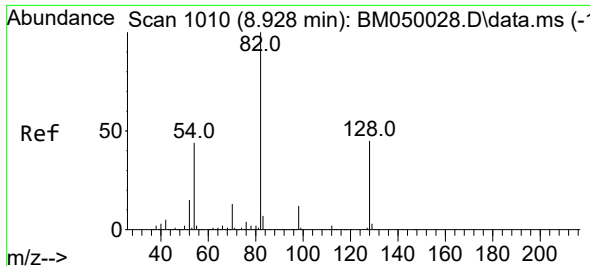


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BM050039.D
Acq: 29 Apr 2025 12:19

Tgt Ion:136 Resp: 956265

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.9	5.1	7.7
68	5.7	4.4	6.6





#23

Nitrobenzene-d5

Concen: 16.591 ng

RT: 8.922 min Scan# 1009

Delta R.T. -0.006 min

Lab File: BM050039.D

Acq: 29 Apr 2025 12:19

Instrument :

BNA_M

ClientSampleId :

38073-100124DL

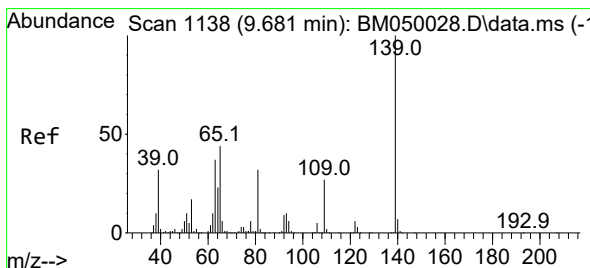
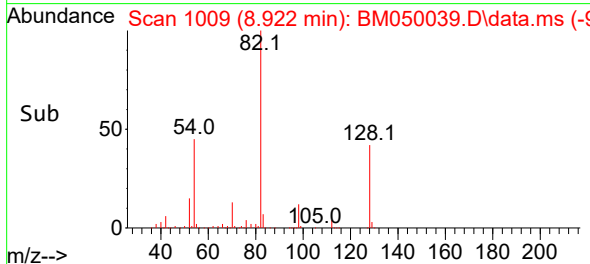
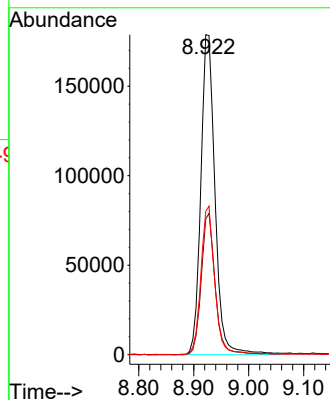
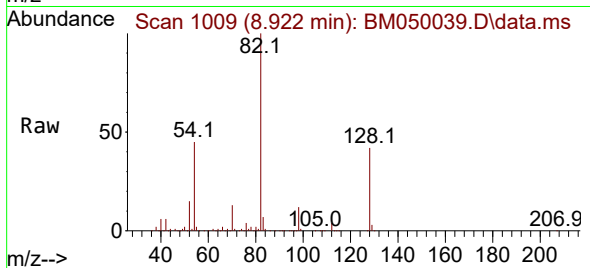
Tgt Ion: 82 Resp: 321963

Ion Ratio Lower Upper

82 100

128 42.5 35.7 53.5

54 44.8 35.4 53.2



#26

2-Nitrophenol

Concen: 35.388 ng

RT: 9.681 min Scan# 1138

Delta R.T. 0.000 min

Lab File: BM050039.D

Acq: 29 Apr 2025 12:19

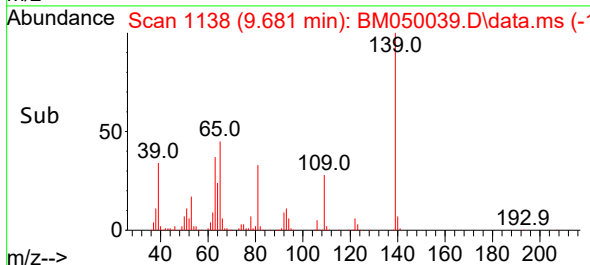
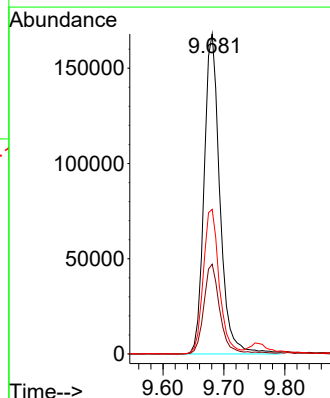
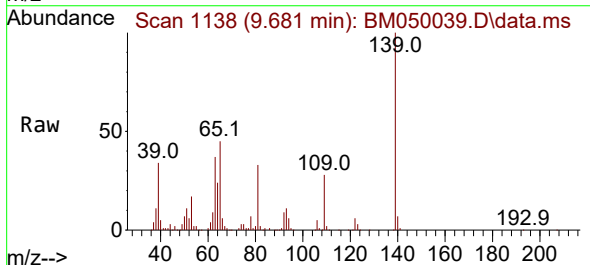
Tgt Ion: 139 Resp: 303356

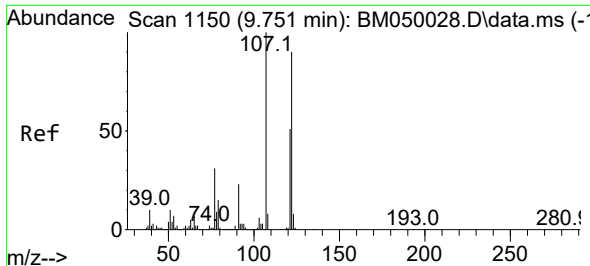
Ion Ratio Lower Upper

139 100

109 28.0 21.9 32.9

65 45.2 35.4 53.2

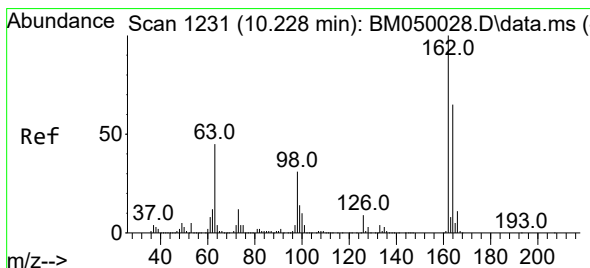
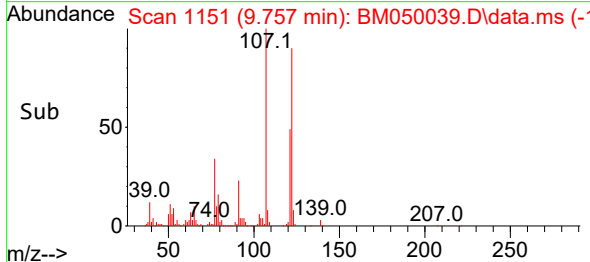
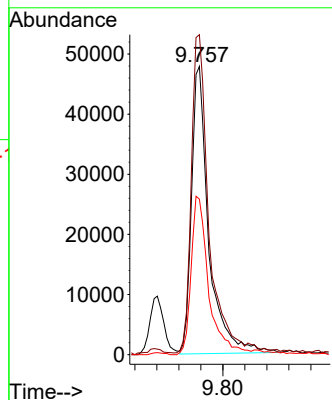
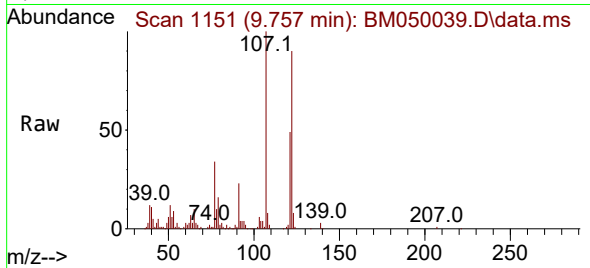




#27
2,4-Dimethylphenol
Concen: 7.282 ng
RT: 9.757 min Scan# 1151
Delta R.T. 0.006 min
Lab File: BM050039.D
Acq: 29 Apr 2025 12:19

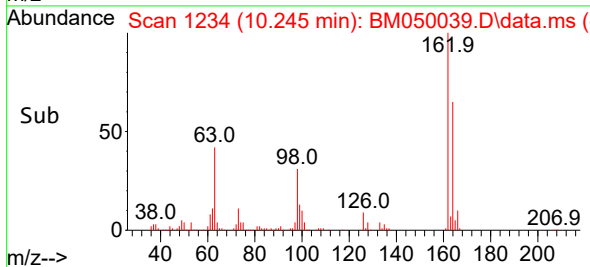
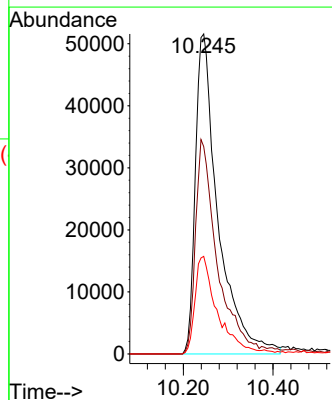
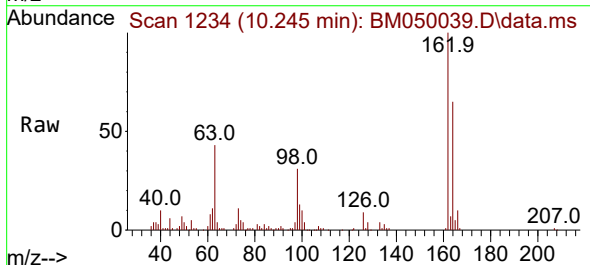
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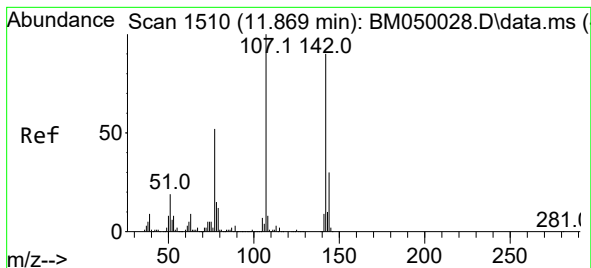
Tgt Ion:122 Resp: 103515
Ion Ratio Lower Upper
122 100
107 111.0 89.0 133.6
121 53.9 45.6 68.4



#29
2,4-Dichlorophenol
Concen: 11.347 ng
RT: 10.245 min Scan# 1234
Delta R.T. 0.018 min
Lab File: BM050039.D
Acq: 29 Apr 2025 12:19

Tgt Ion:162 Resp: 180720
Ion Ratio Lower Upper
162 100
164 64.8 45.4 85.4
98 30.5 11.3 51.3

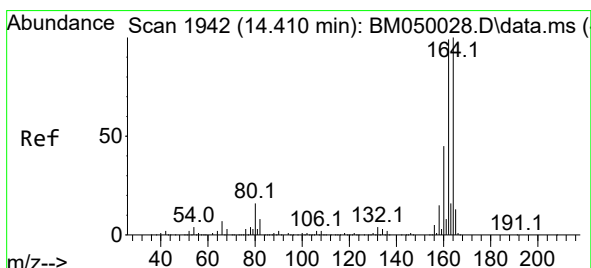
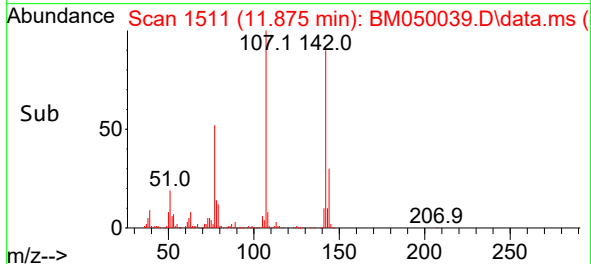
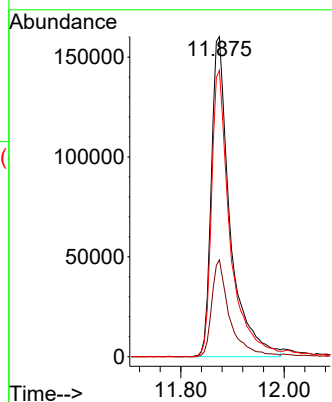
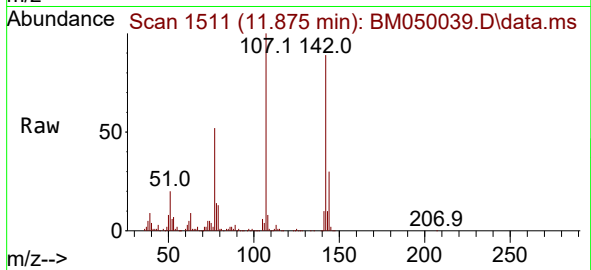




#36
4-Chloro-3-methylphenol
Concen: 27.340 ng
RT: 11.875 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM050039.D
Acq: 29 Apr 2025 12:19

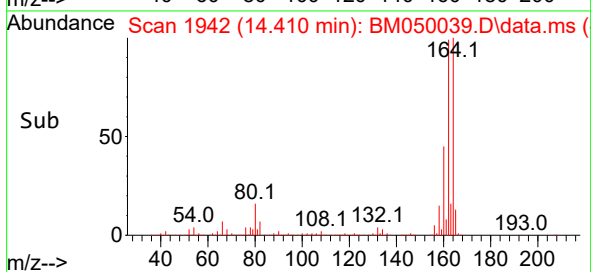
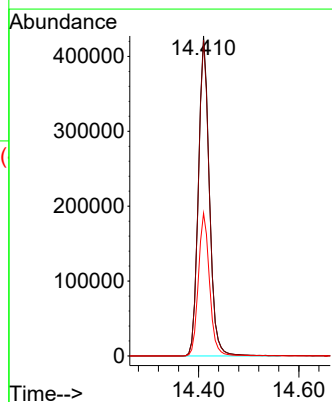
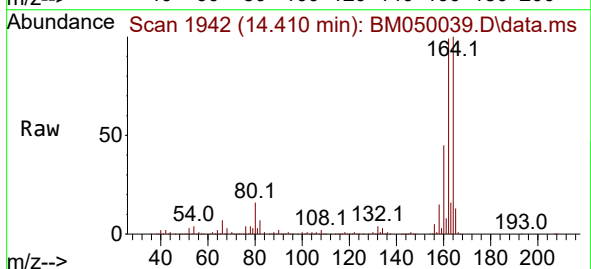
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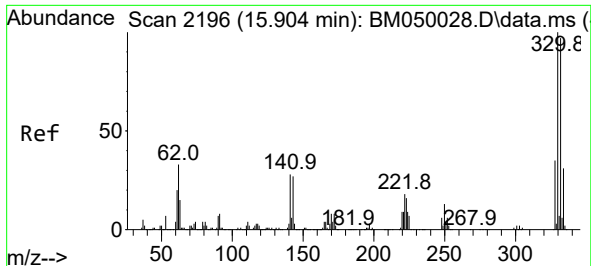
Tgt Ion:107 Resp: 402286
Ion Ratio Lower Upper
107 100
144 30.2 23.8 35.6
142 89.5 71.9 107.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.000 min
Lab File: BM050039.D
Acq: 29 Apr 2025 12:19

Tgt Ion:164 Resp: 649474
Ion Ratio Lower Upper
164 100
162 98.7 79.4 119.0
160 44.6 36.2 54.4

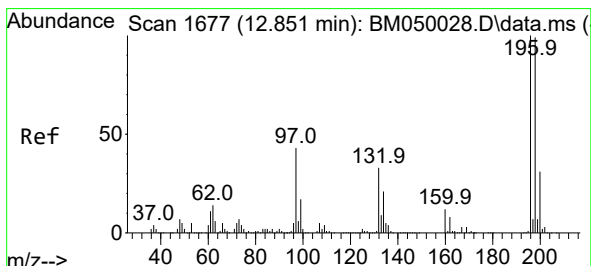
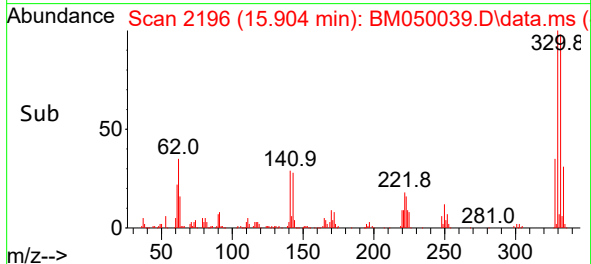
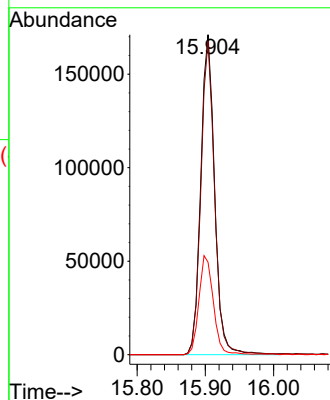
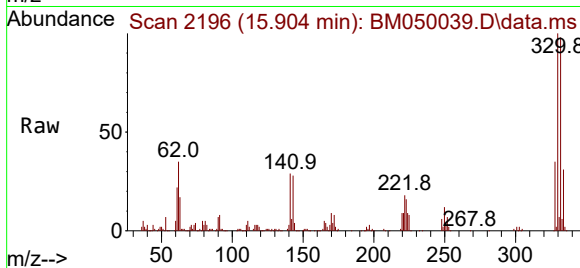




#42
2,4,6-Tribromophenol
Concen: 25.281 ng
RT: 15.904 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BM050039.D
Acq: 29 Apr 2025 12:19

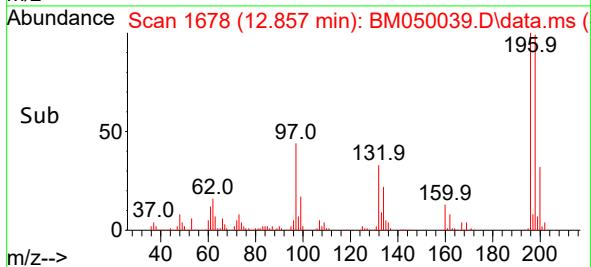
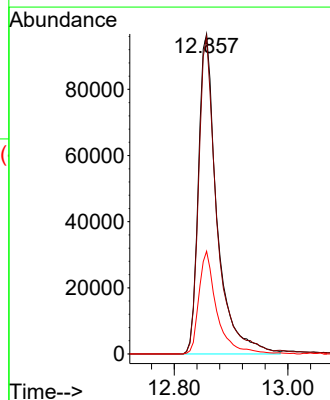
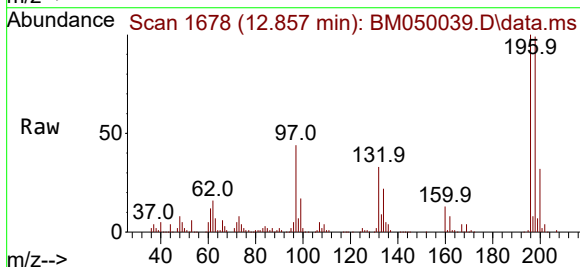
Instrument :
BNA_M
ClientSampleId :
38073-100124DL

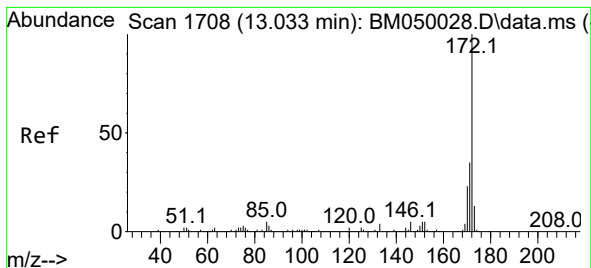
Tgt Ion:330 Resp: 242779
Ion Ratio Lower Upper
330 100
332 96.9 77.3 115.9
141 32.0 22.5 33.7



#43
2,4,6-Trichlorophenol
Concen: 15.455 ng
RT: 12.857 min Scan# 1678
Delta R.T. 0.006 min
Lab File: BM050039.D
Acq: 29 Apr 2025 12:19

Tgt Ion:196 Resp: 220393
Ion Ratio Lower Upper
196 100
198 99.2 79.0 118.6
200 32.1 25.1 37.7





#45

2-Fluorobiphenyl

Concen: 16.239 ng

RT: 13.028 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM050039.D

Acq: 29 Apr 2025 12:19

Instrument :

BNA_M

ClientSampleId :

38073-100124DL

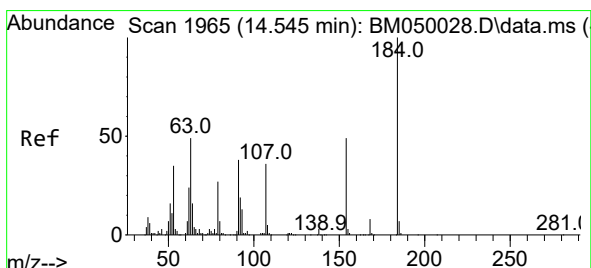
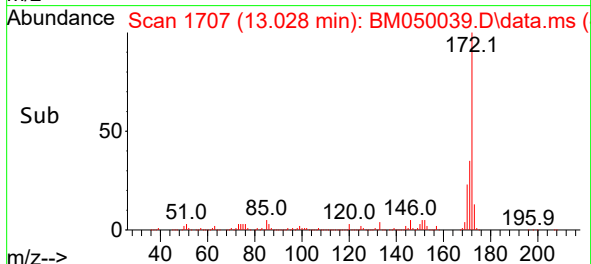
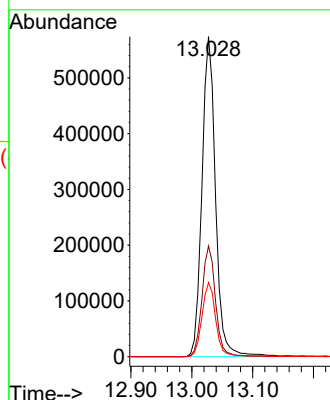
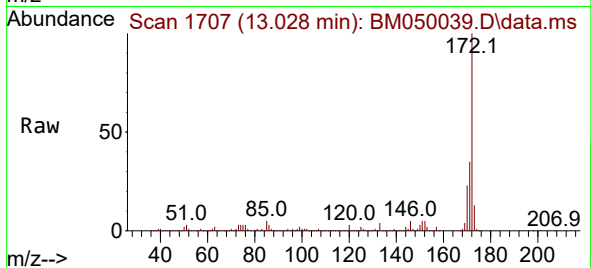
Tgt Ion:172 Resp: 891533

Ion Ratio Lower Upper

172 100

171 34.6 27.8 41.6

170 23.2 18.6 28.0



#54

2,4-Dinitrophenol

Concen: 17.600 ng

RT: 14.551 min Scan# 1966

Delta R.T. 0.006 min

Lab File: BM050039.D

Acq: 29 Apr 2025 12:19

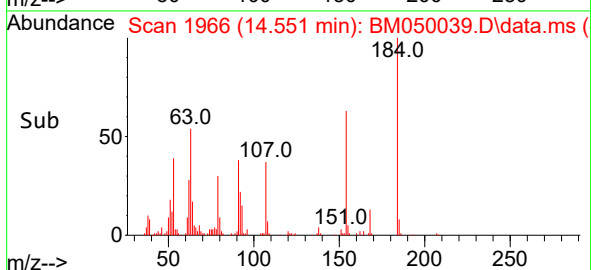
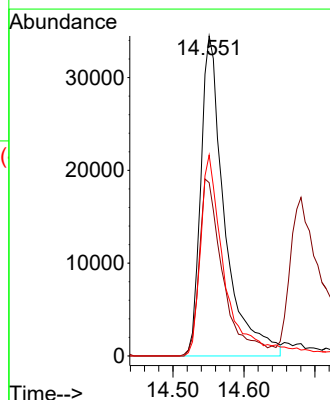
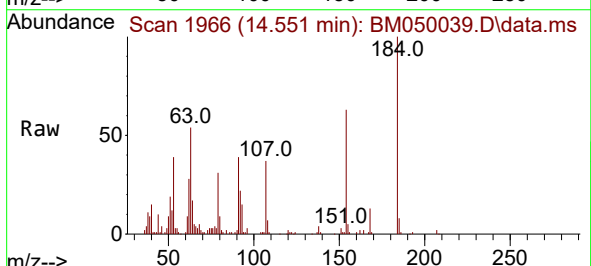
Tgt Ion:184 Resp: 80341

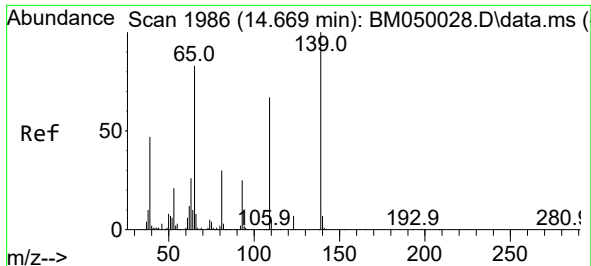
Ion Ratio Lower Upper

184 100

63 54.1 39.8 59.6

154 62.8 46.1 69.1

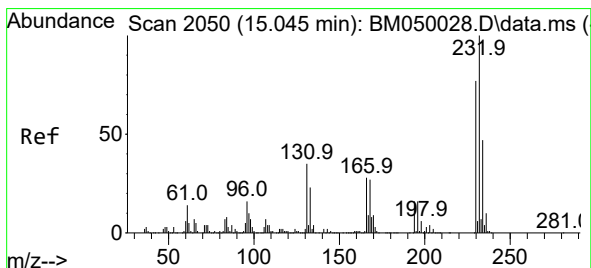
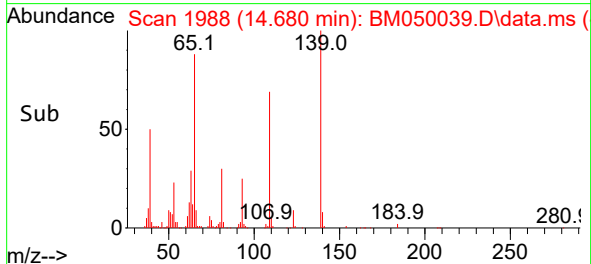
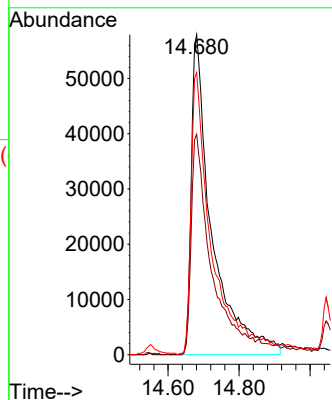
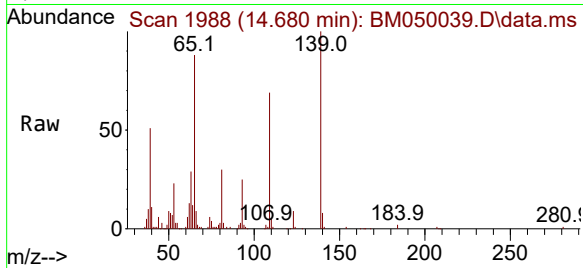




#56
4-Nitrophenol
Concen: 33.220 ng
RT: 14.680 min Scan# 1988
Delta R.T. 0.011 min
Lab File: BM050039.D
Acq: 29 Apr 2025 12:19

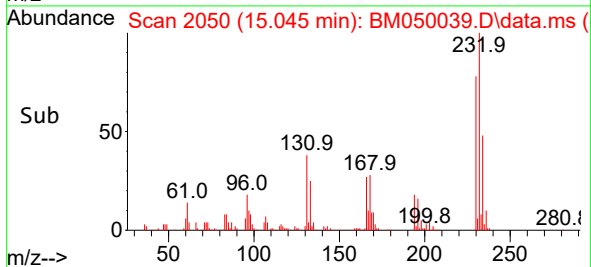
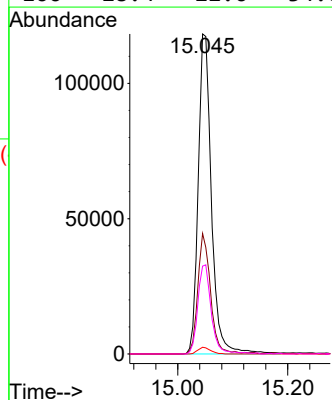
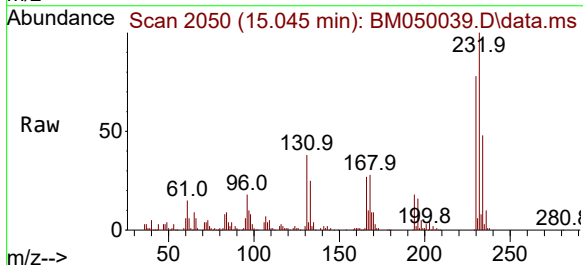
Instrument :
BNA_M
ClientSampleId :
38073-100124DL

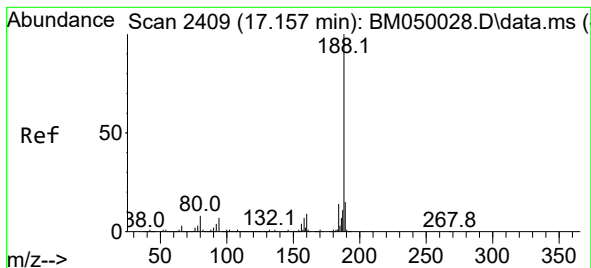
Tgt Ion:139 Resp: 232111
Ion Ratio Lower Upper
139 100
109 68.9 47.0 87.0
65 88.2 64.3 104.3



#59
2,3,4,6-Tetrachlorophenol
Concen: 14.875 ng
RT: 15.045 min Scan# 2050
Delta R.T. 0.000 min
Lab File: BM050039.D
Acq: 29 Apr 2025 12:19

Tgt Ion:232 Resp: 197993
Ion Ratio Lower Upper
232 100
131 36.1 28.2 42.4
130 2.0 1.5 2.3
166 28.4 22.6 34.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.157 min Scan# 2409

Delta R.T. -0.000 min

Lab File: BM050039.D

Acq: 29 Apr 2025 12:19

Instrument :

BNA_M

ClientSampleId :

38073-100124DL

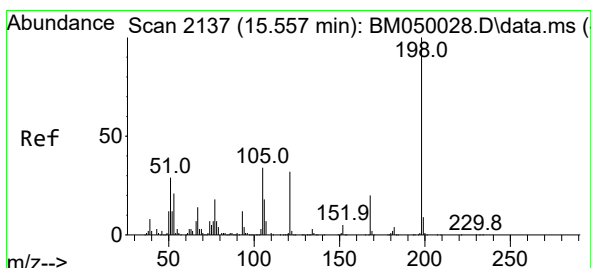
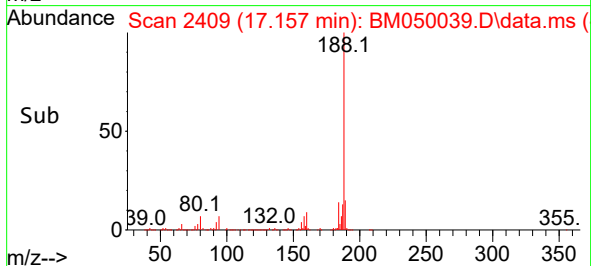
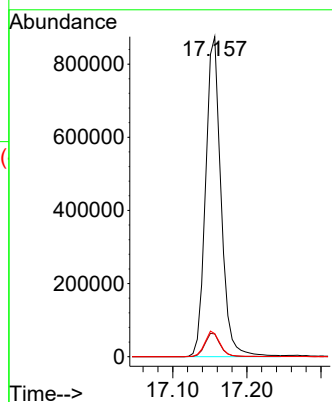
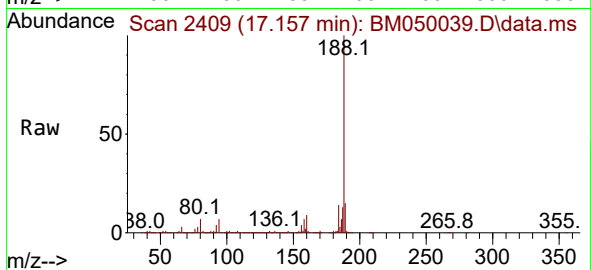
Tgt Ion:188 Resp: 1264583

Ion Ratio Lower Upper

188 100

94 7.1 5.7 8.5

80 7.2 6.2 9.4



#65

4,6-Dinitro-2-methylphenol

Concen: 26.196 ng

RT: 15.551 min Scan# 2136

Delta R.T. -0.006 min

Lab File: BM050039.D

Acq: 29 Apr 2025 12:19

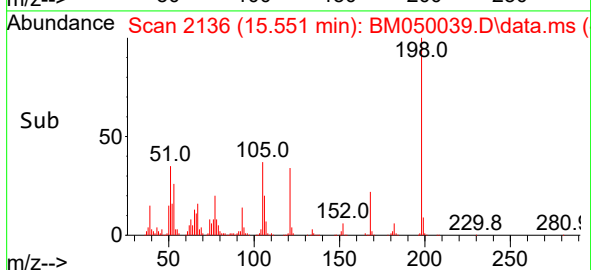
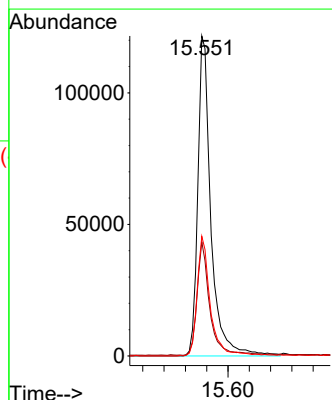
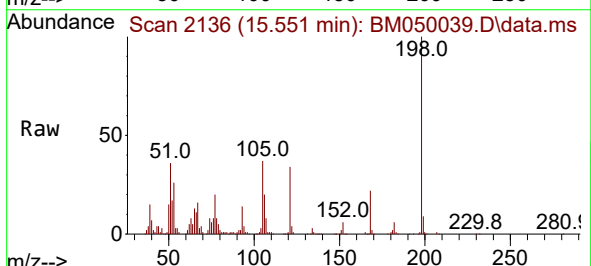
Tgt Ion:198 Resp: 207363

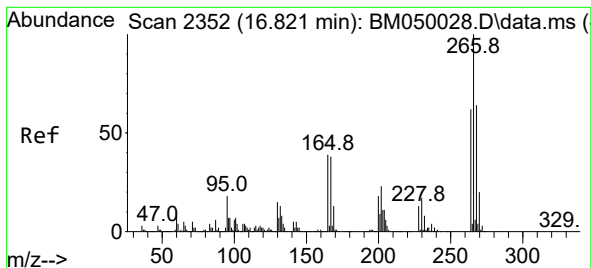
Ion Ratio Lower Upper

198 100

51 35.6 10.4 50.4

105 37.4 14.6 54.6





#70

Pentachlorophenol

Concen: 27.180 ng

RT: 16.821 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM050039.D

Acq: 29 Apr 2025 12:19

Instrument :

BNA_M

ClientSampleId :

38073-100124DL

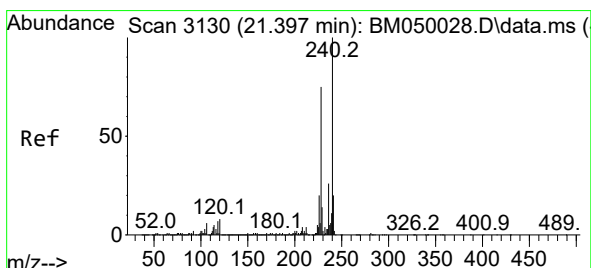
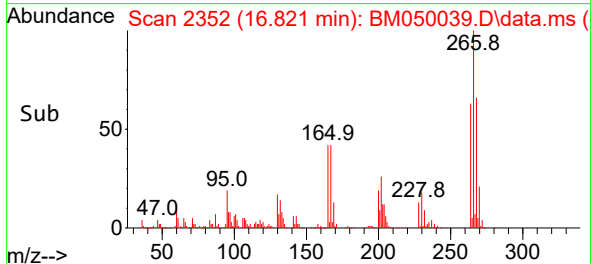
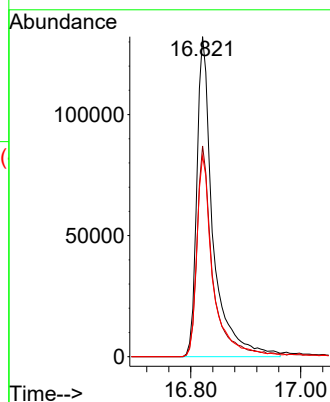
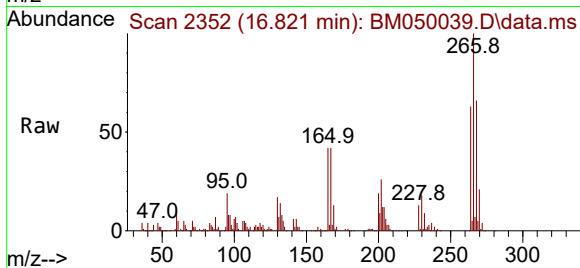
Tgt Ion:266 Resp: 269690

Ion Ratio Lower Upper

266 100

268 65.9 51.2 76.8

264 62.7 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: BM050039.D

Acq: 29 Apr 2025 12:19

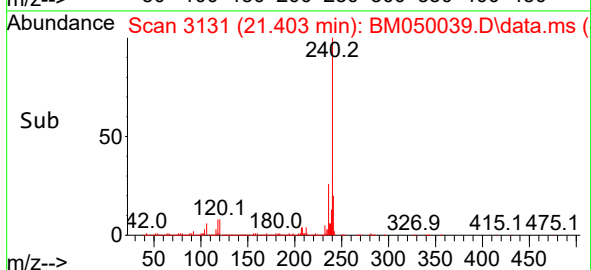
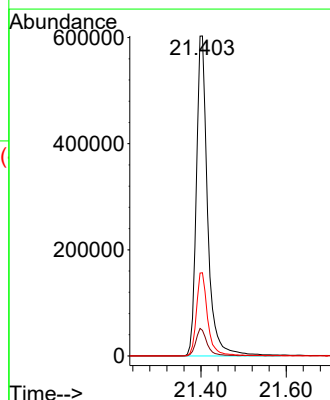
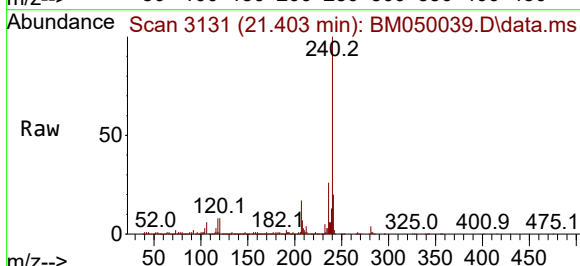
Tgt Ion:240 Resp: 1106889

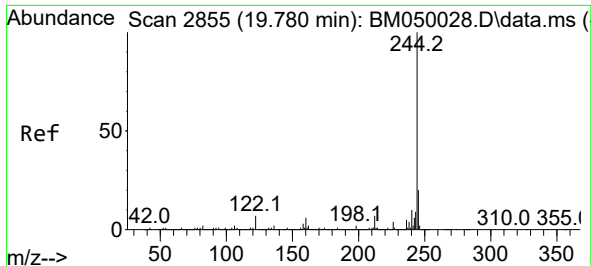
Ion Ratio Lower Upper

240 100

120 8.0 6.5 9.7

236 26.0 20.9 31.3

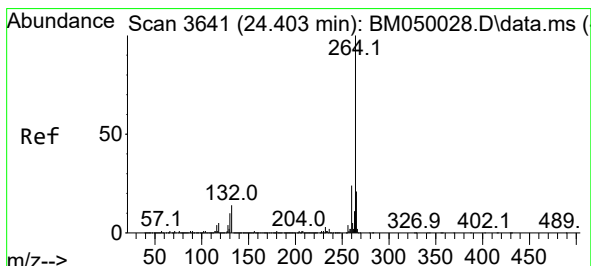
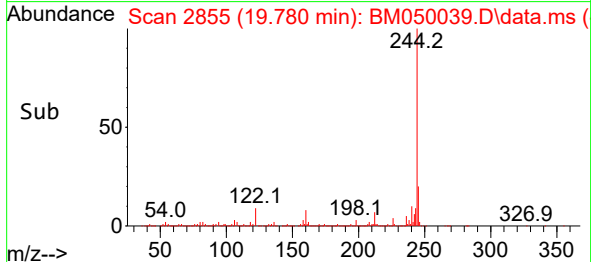
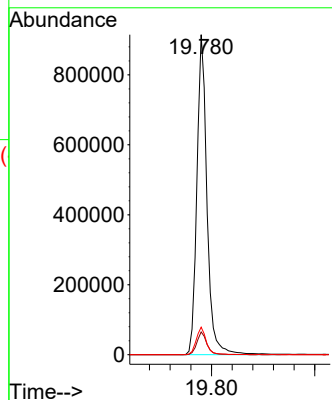
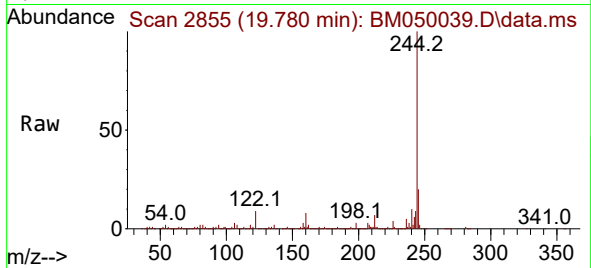




#79
 Terphenyl-d14
 Concen: 16.584 ng
 RT: 19.780 min Scan# 2855
 Delta R.T. 0.000 min
 Lab File: BM050039.D
 Acq: 29 Apr 2025 12:19

Instrument :
 BNA_M
 ClientSampleId :
 38073-100124DL

Tgt Ion:244 Resp: 1240532
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.6 8.4
 122 8.6 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: BM050039.D
 Acq: 29 Apr 2025 12:19

Tgt Ion:264 Resp: 1162761
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.8 28.2
 265 21.2 17.0 25.4

