

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071025\
 Data File : BM050397.D
 Acq On : 10 Jul 2025 19:59
 Operator : RC/JU
 Sample : Q2489-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G4(0-6)

Quant Time: Jul 11 01:26:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 08 18:32:25 2025
 Response via : Initial Calibration

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

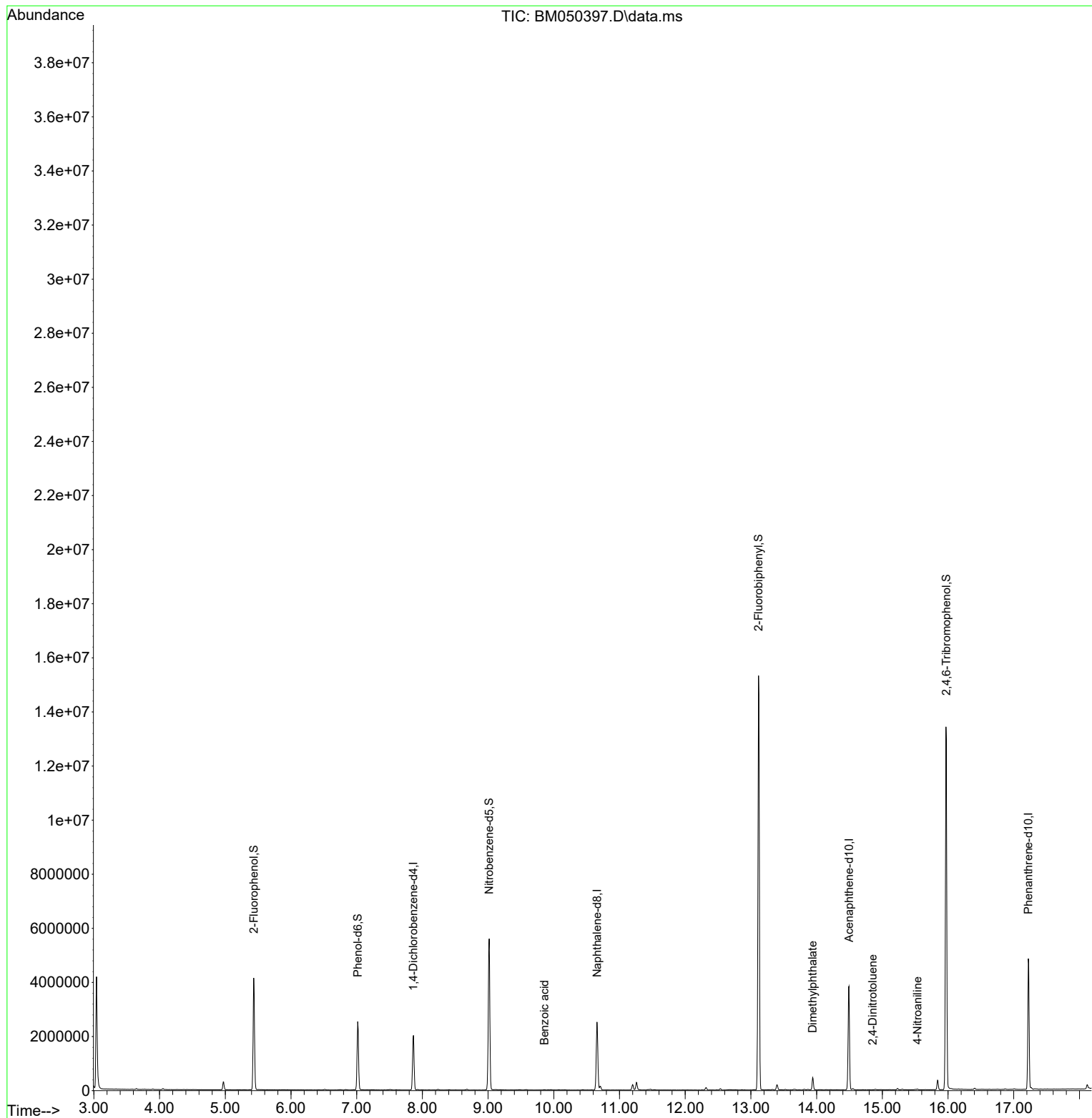
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	561976	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	2091010	20.000	ng	0.00
39) Acenaphthene-d10	14.492	164	1369169	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	2769354	20.000	ng	0.00
76) Chrysene-d12	21.451	240	2918200	20.000	ng	0.00
86) Perylene-d12	24.486	264	2873438	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1770139	54.219	ng	0.00
7) Phenol-d6	7.016	99	1368150	33.243	ng	0.00
23) Nitrobenzene-d5	9.016	82	3124285	76.229	ng	0.00
42) 2,4,6-Tribromophenol	15.974	330	2667817	160.369	ng	0.00
45) 2-Fluorobiphenyl	13.116	172	8273364	74.622	ng	0.00
79) Terphenyl-d14	19.839	244	13018069	78.489	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.857	122	3977	6.153	ng	94
50) Dimethylphthalate	13.939	163	289254	3.069	ng	99
57) 2,4-Dinitrotoluene	14.851	165	480	2.741	ng	# 20
62) 4-Nitroaniline	15.533	138	61	2.589	ng	# 2

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

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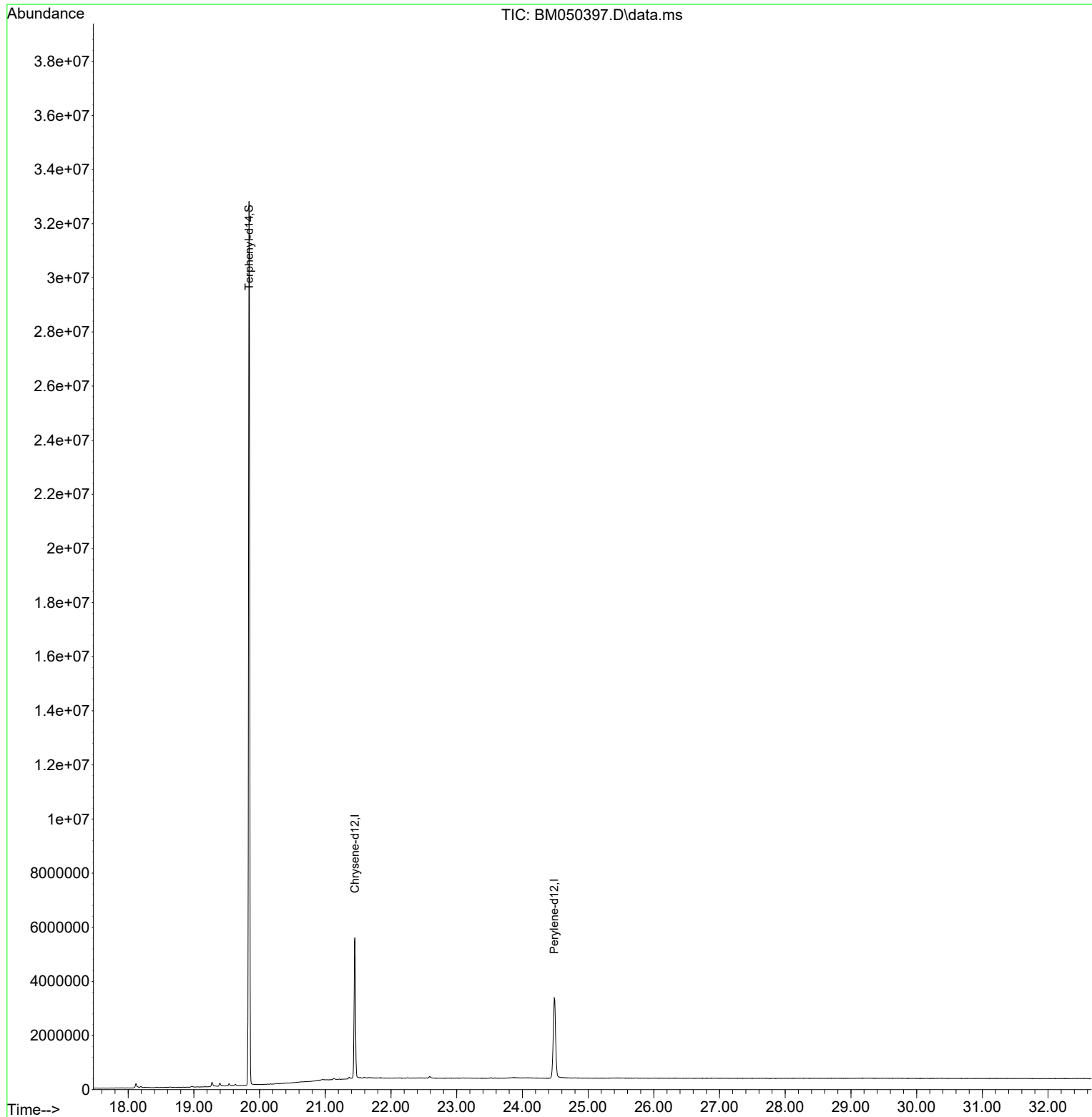
Quant Time: Jul 11 01:26:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

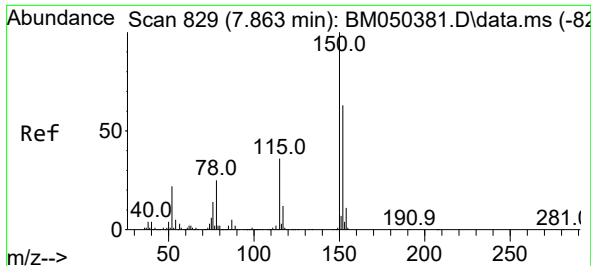


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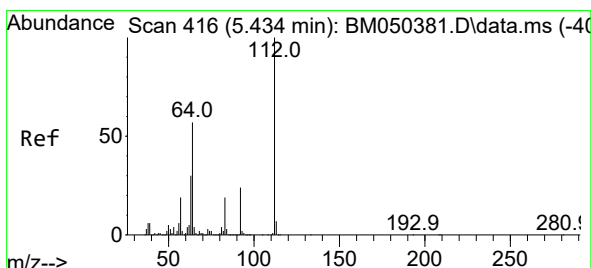
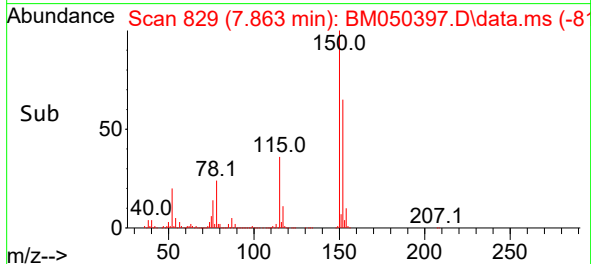
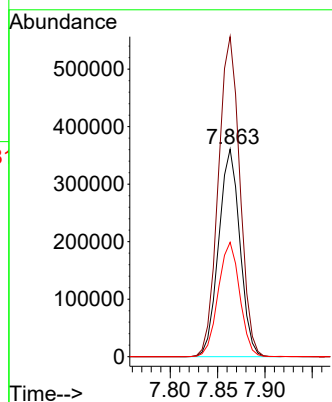
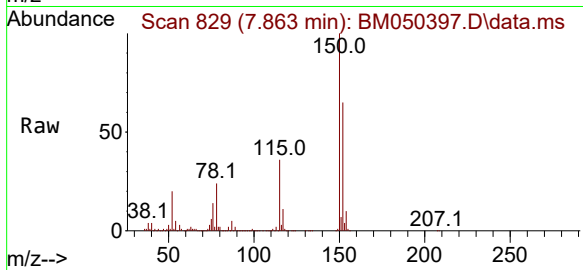




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 829
Delta R.T. 0.000 min
Lab File: BM050397.D
Acq: 10 Jul 2025 19:59

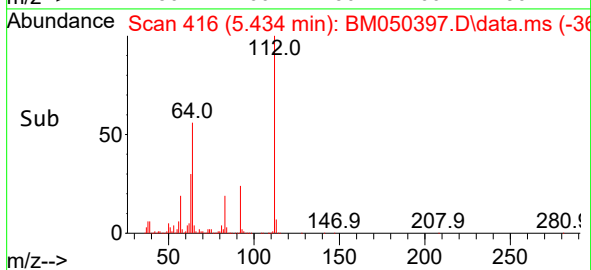
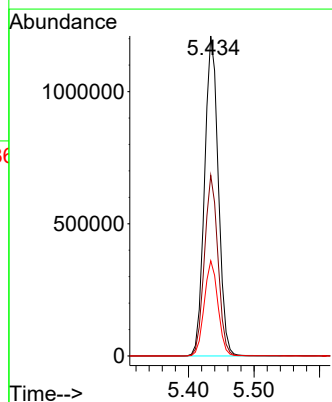
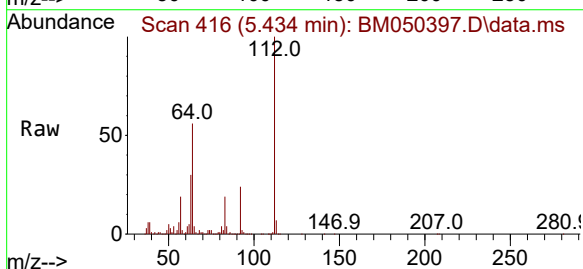
Instrument :
BNA_M
ClientSampleId :
G4(0-6)

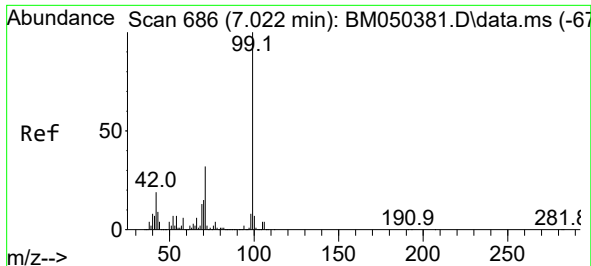
Tgt Ion:152 Resp: 561976
Ion Ratio Lower Upper
152 100
150 154.2 126.2 189.4
115 55.1 45.8 68.8



#5
2-Fluorophenol
Concen: 54.219 ng
RT: 5.434 min Scan# 416
Delta R.T. 0.000 min
Lab File: BM050397.D
Acq: 10 Jul 2025 19:59

Tgt Ion:112 Resp: 1770139
Ion Ratio Lower Upper
112 100
64 56.5 45.5 68.3
63 29.8 24.2 36.4

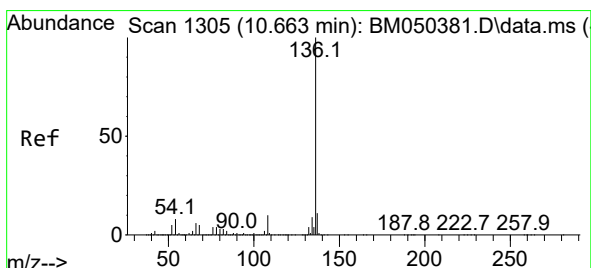
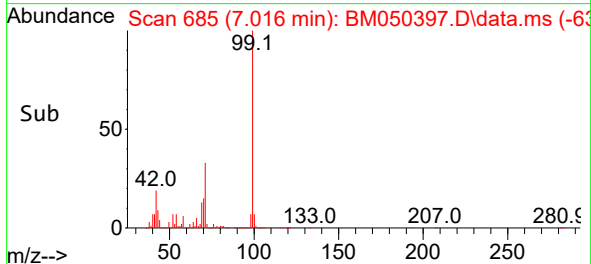
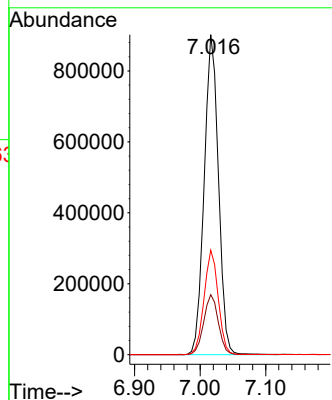
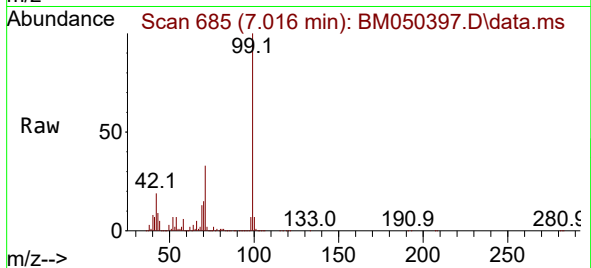




#7
Phenol-d6
Concen: 33.243 ng
RT: 7.016 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM050397.D
Acq: 10 Jul 2025 19:59

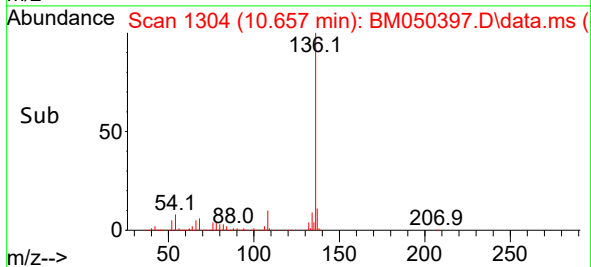
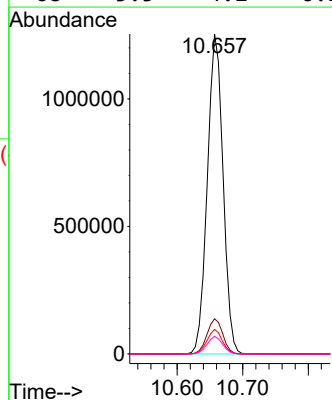
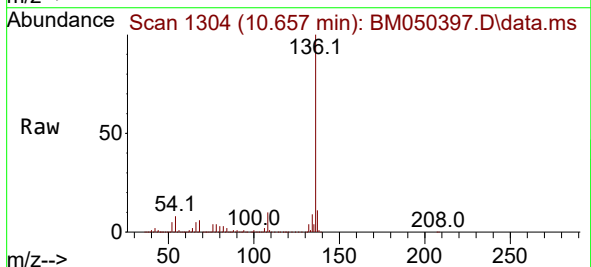
Instrument :
BNA_M
ClientSampleId :
G4(0-6)

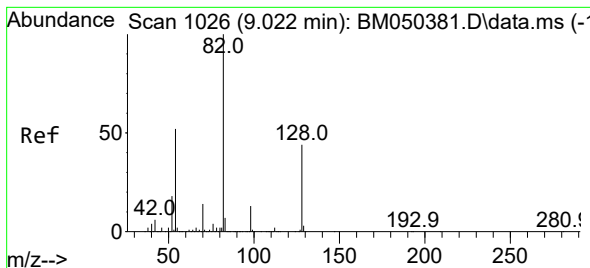
Tgt Ion: 99 Resp: 1368150
Ion Ratio Lower Upper
99 100
42 18.8 15.0 22.6
71 32.7 25.9 38.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BM050397.D
Acq: 10 Jul 2025 19:59

Tgt Ion:136 Resp: 2091010
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.7 6.3 9.5
68 5.5 4.2 6.2





#23

Nitrobenzene-d5

Concen: 76.229 ng

RT: 9.016 min Scan# 1168

Delta R.T. -0.006 min

Lab File: BM050397.D

Acq: 10 Jul 2025 19:59

Instrument :

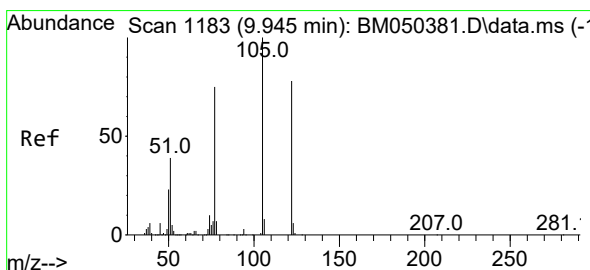
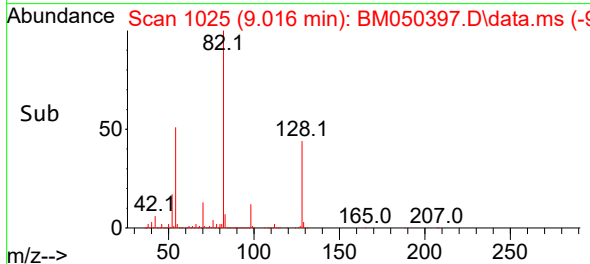
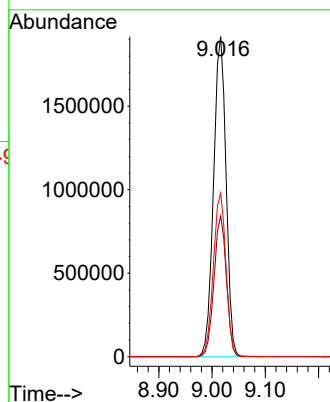
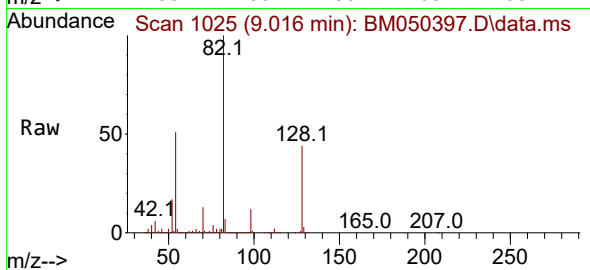
BNA_M

ClientSampleId :

G4(0-6)

Tgt Ion: 82 Resp: 3124285

Ion	Ratio	Lower	Upper
82	100		
128	43.9	35.2	52.8
54	51.1	41.5	62.3



#32

Benzoic acid

Concen: 6.153 ng

RT: 9.857 min Scan# 1168

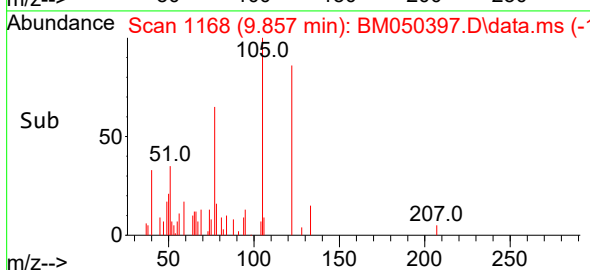
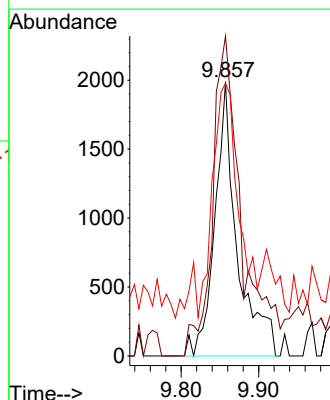
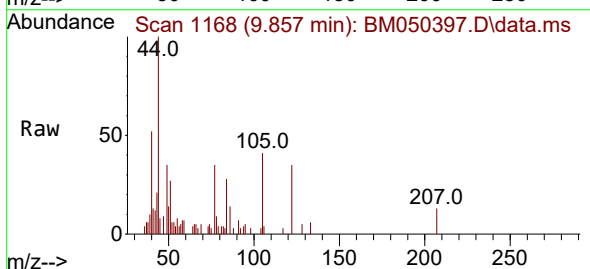
Delta R.T. -0.088 min

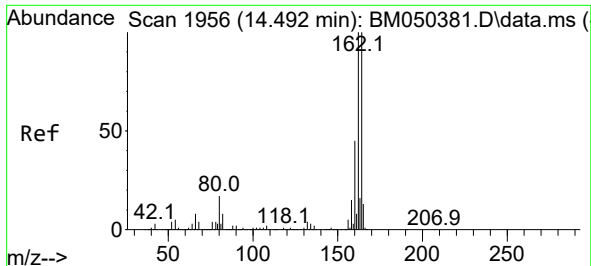
Lab File: BM050397.D

Acq: 10 Jul 2025 19:59

Tgt Ion: 122 Resp: 3977

Ion	Ratio	Lower	Upper
122	100		
105	116.7	104.0	144.0
77	99.5	73.8	113.8



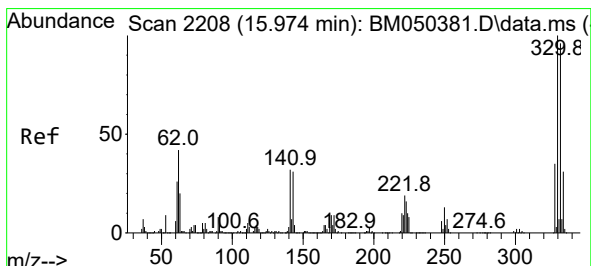
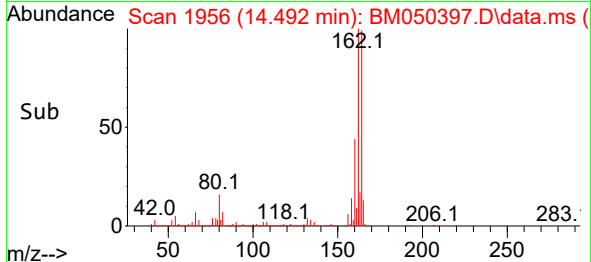
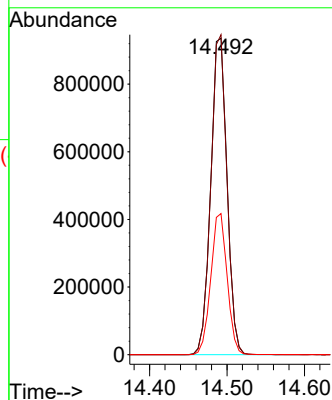
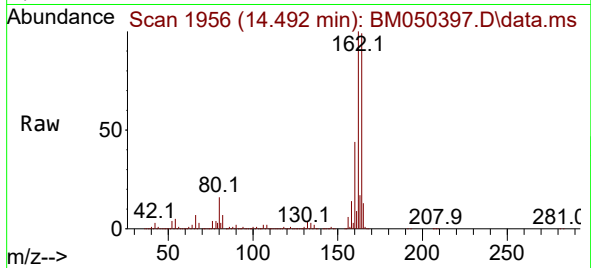


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.492 min Scan# 1956
Delta R.T. 0.000 min
Lab File: BM050397.D
Acq: 10 Jul 2025 19:59

Instrument :
BNA_M
ClientSampleId :
G4(0-6)

Tgt Ion:164 Resp: 1369169

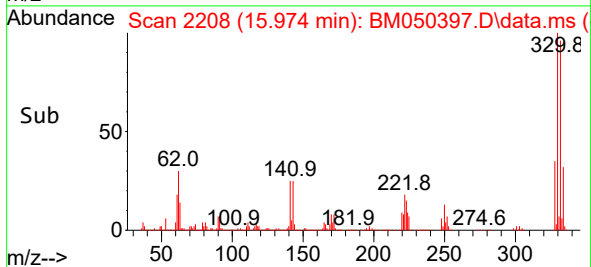
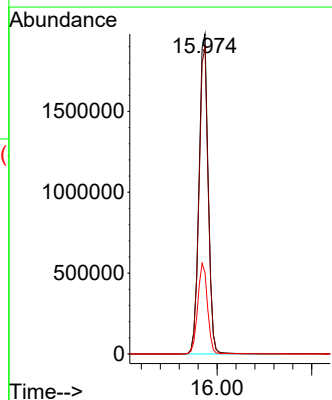
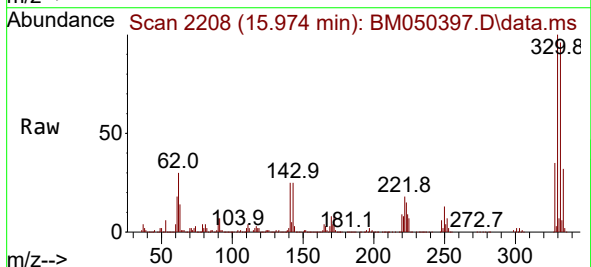
Ion	Ratio	Lower	Upper
164	100		
162	101.1	79.9	119.9
160	44.6	36.2	54.4

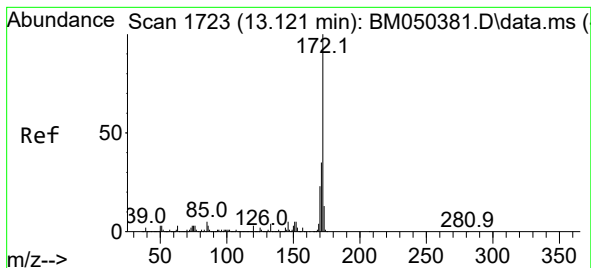


#42
2,4,6-Tribromophenol
Concen: 160.369 ng
RT: 15.974 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BM050397.D
Acq: 10 Jul 2025 19:59

Tgt Ion:330 Resp: 2667817

Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.9	115.3
141	30.0	27.4	41.0





#45

2-Fluorobiphenyl

Concen: 74.622 ng

RT: 13.116 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM050397.D

Acq: 10 Jul 2025 19:59

Instrument :

BNA_M

ClientSampleId :

G4(0-6)

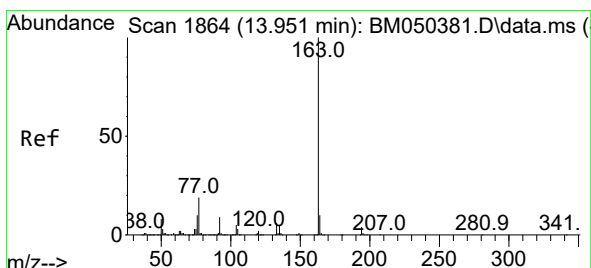
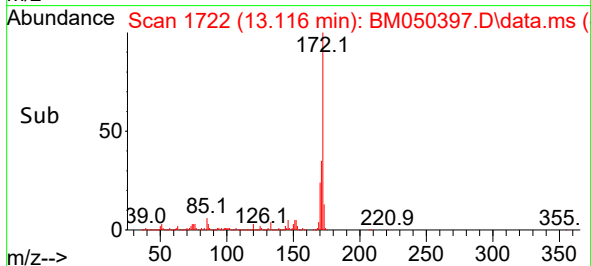
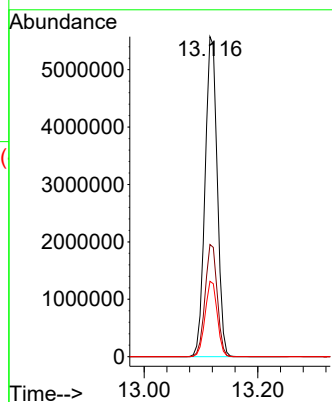
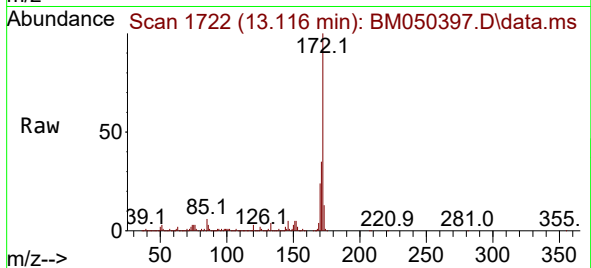
Tgt Ion:172 Resp: 8273364

Ion Ratio Lower Upper

172 100

171 35.1 27.7 41.5

170 23.6 18.8 28.2



#50

Dimethylphthalate

Concen: 3.069 ng

RT: 13.939 min Scan# 1862

Delta R.T. -0.012 min

Lab File: BM050397.D

Acq: 10 Jul 2025 19:59

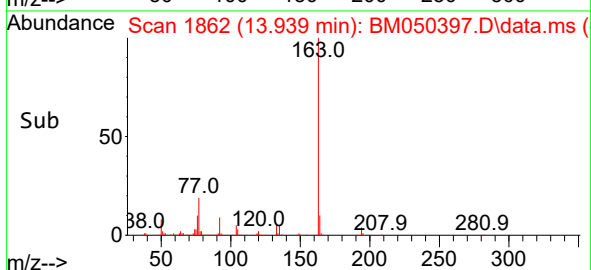
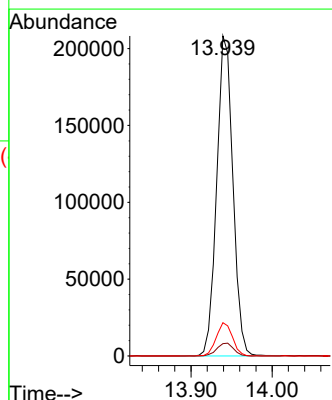
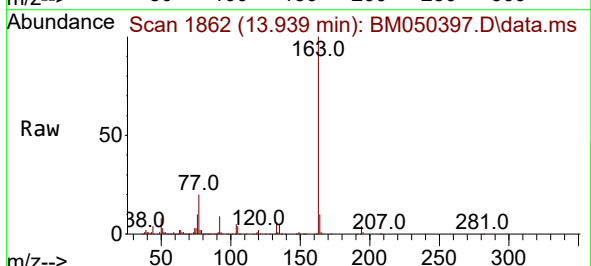
Tgt Ion:163 Resp: 289254

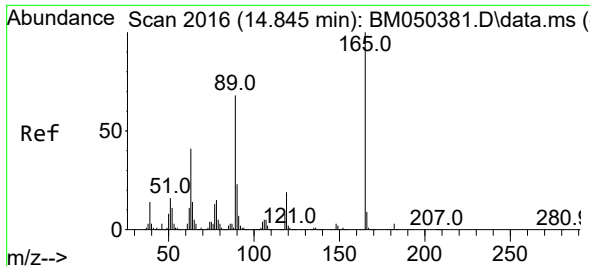
Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.2

164 10.4 8.2 12.2





#57

2,4-Dinitrotoluene

Concen: 2.741 ng

RT: 14.851 min Scan# 2016

Delta R.T. 0.006 min

Lab File: BM050397.D

Acq: 10 Jul 2025 19:59

Instrument :

BNA_M

ClientSampleId :

G4(0-6)

Tgt Ion:165 Resp: 480

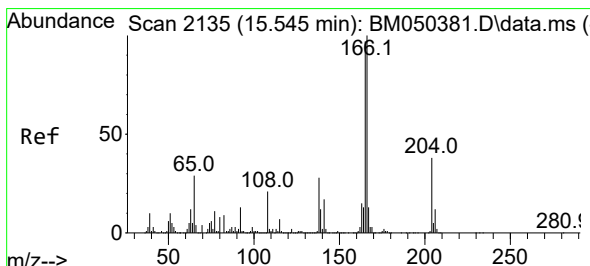
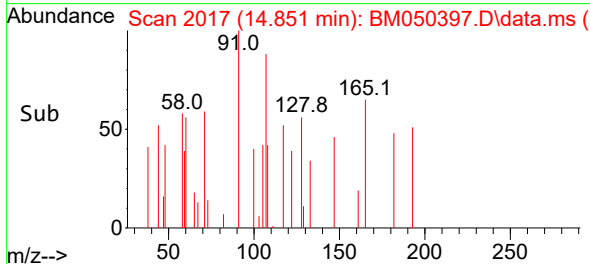
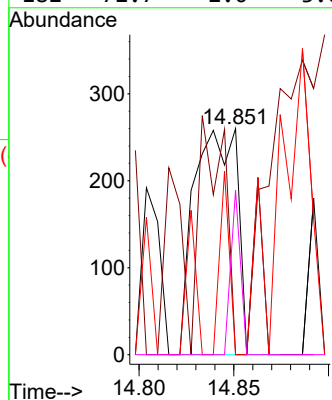
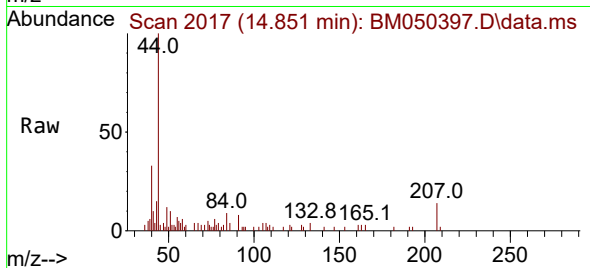
Ion Ratio Lower Upper

165 100

63 0.0 32.5 48.7#

89 0.0 54.0 81.0#

182 72.7 2.0 3.0#



#62

4-Nitroaniline

Concen: 2.589 ng

RT: 15.533 min Scan# 2133

Delta R.T. -0.012 min

Lab File: BM050397.D

Acq: 10 Jul 2025 19:59

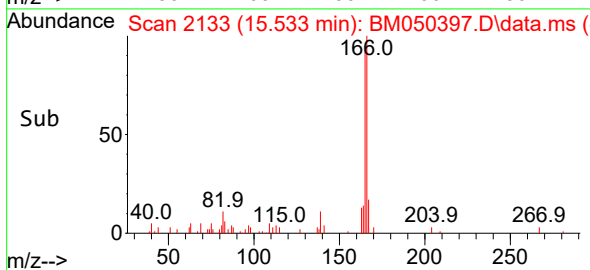
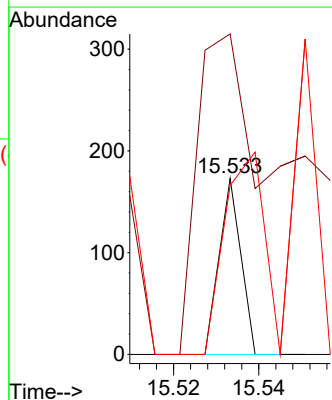
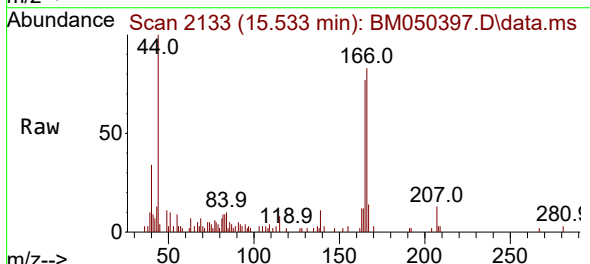
Tgt Ion:138 Resp: 61

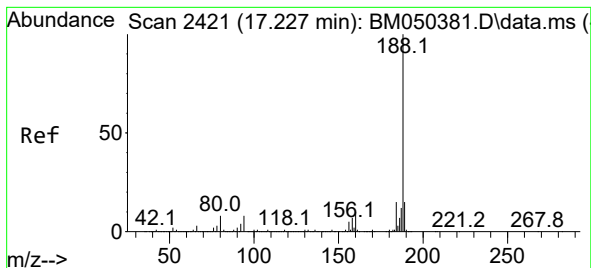
Ion Ratio Lower Upper

138 100

92 182.1 24.5 64.5#

108 96.0 52.5 92.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.221 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM050397.D

Acq: 10 Jul 2025 19:59

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G4(0-6)

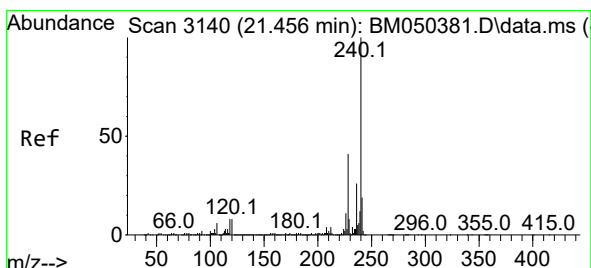
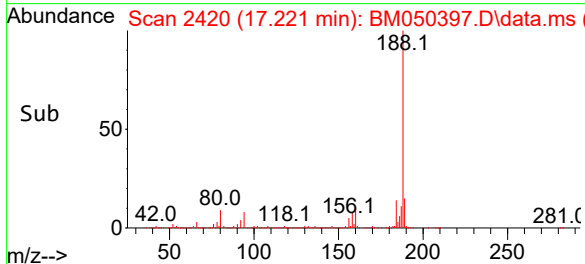
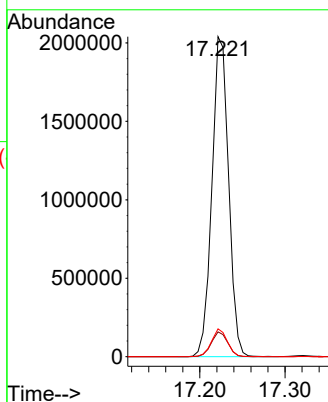
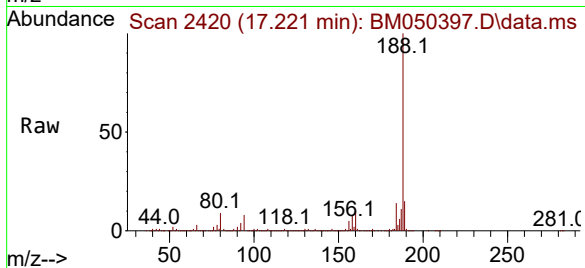
Tgt Ion:188 Resp: 2769354

Ion Ratio Lower Upper

188 100

94 7.8 6.0 9.0

80 8.7 6.5 9.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.451 min Scan# 3139

Delta R.T. -0.006 min

Lab File: BM050397.D

Acq: 10 Jul 2025 19:59

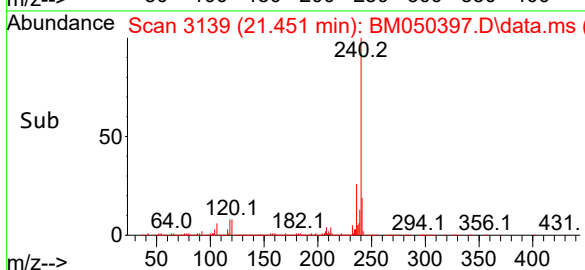
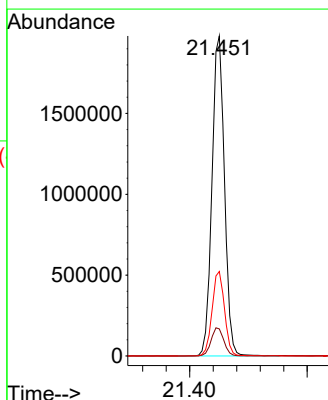
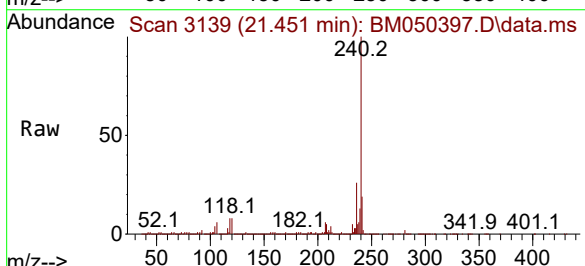
Tgt Ion:240 Resp: 2918200

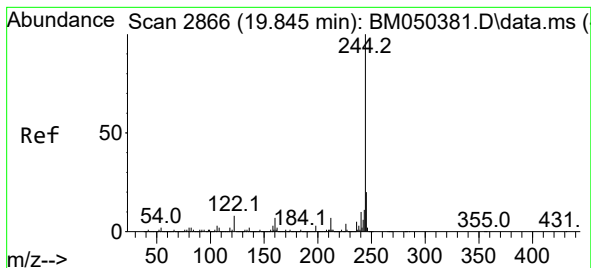
Ion Ratio Lower Upper

240 100

120 8.5 6.7 10.1

236 26.4 20.7 31.1





#79

Terphenyl-d14

Concen: 78.489 ng

RT: 19.839 min Scan# 2

Delta R.T. -0.006 min

Lab File: BM050397.D

Acq: 10 Jul 2025 19:59

Instrument :

BNA_M

ClientSampleId :

G4(0-6)

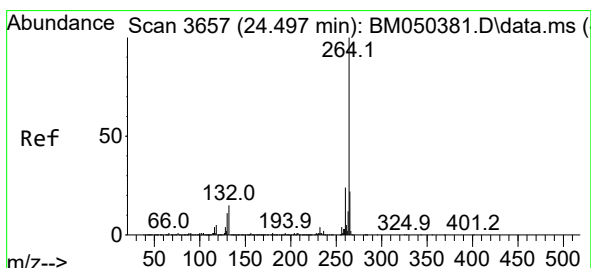
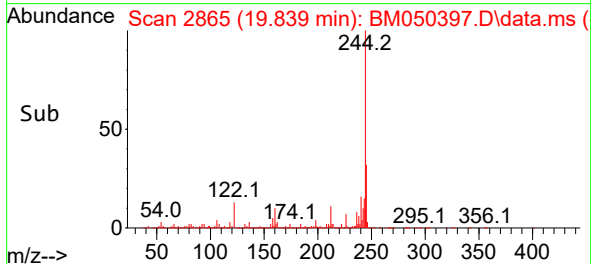
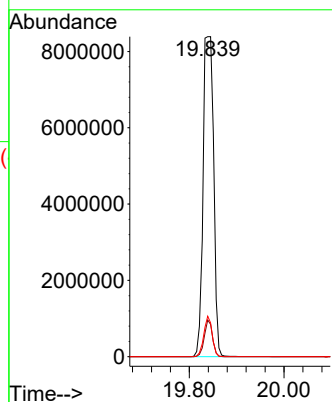
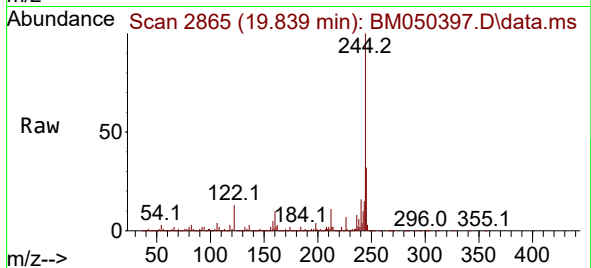
Tgt Ion:244 Resp:13018069

Ion Ratio Lower Upper

244 100

212 11.5 5.7 8.5#

122 12.7 6.2 9.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.486 min Scan# 3655

Delta R.T. -0.012 min

Lab File: BM050397.D

Acq: 10 Jul 2025 19:59

Tgt Ion:264 Resp: 2873438

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 21.9 17.8 26.6

