

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071025\
 Data File : BM050401.D
 Acq On : 10 Jul 2025 22:39
 Operator : RC/JU
 Sample : Q2489-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G3(0-6)

Quant Time: Jul 11 01:28:48 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)

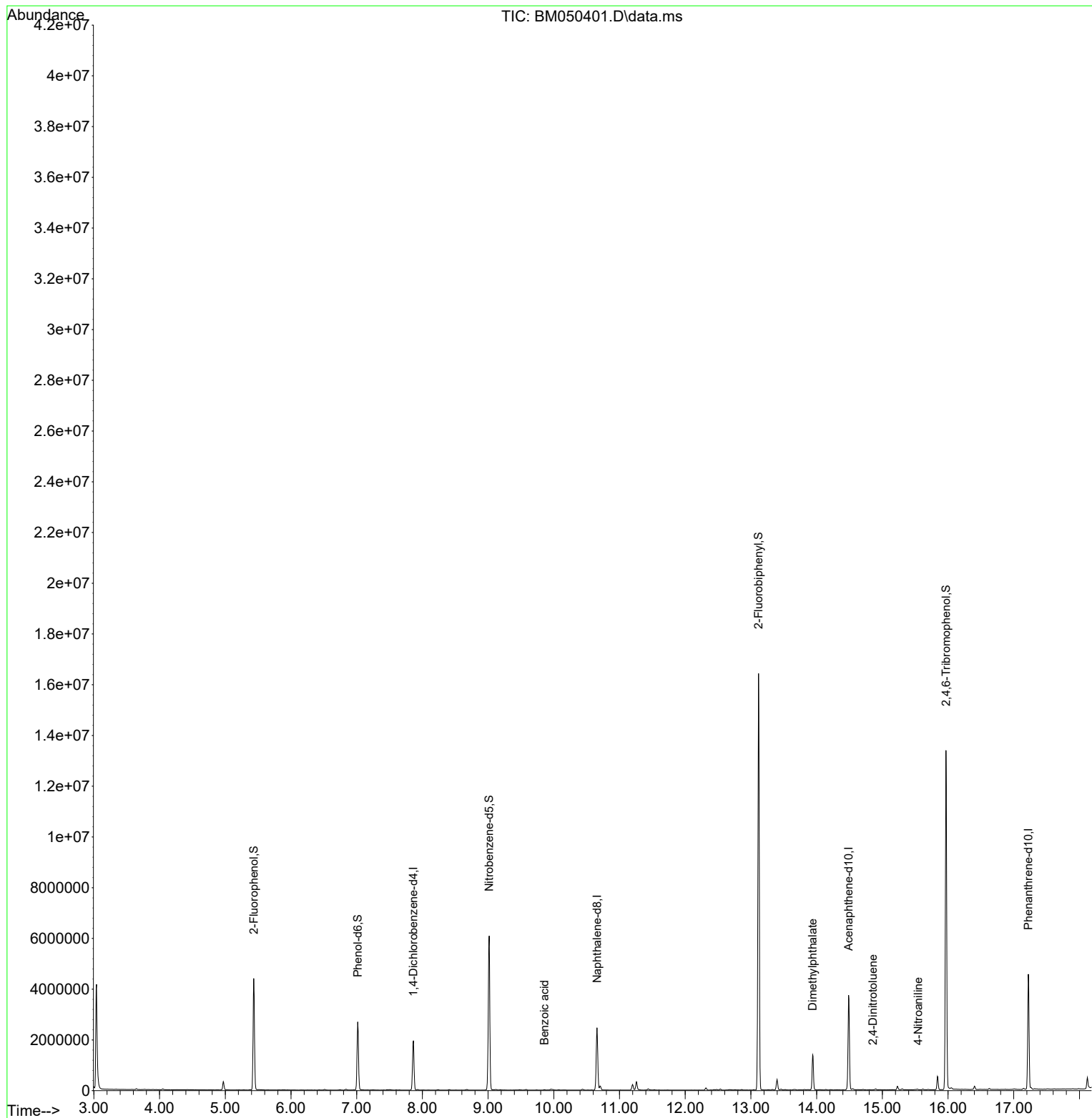
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	538062	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	2010300	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	1320616	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	2672284	20.000	ng	0.00
76) Chrysene-d12	21.445	240	2968688	20.000	ng	-0.01
86) Perylene-d12	24.486	264	3080582	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1883570	60.257	ng	0.00
7) Phenol-d6	7.016	99	1441309	36.577	ng	0.00
23) Nitrobenzene-d5	9.016	82	3335262	84.643	ng	0.00
42) 2,4,6-Tribromophenol	15.968	330	2552013	159.047	ng	0.00
45) 2-Fluorobiphenyl	13.116	172	8561125	80.057	ng	0.00
79) Terphenyl-d14	19.833	244	12530171	74.263	ng	-0.01
Target Compounds						
						Qvalue
32) Benzoic acid	9.857	122	4613	6.190	ng	# 61
50) Dimethylphthalate	13.939	163	914525	10.058	ng	100
57) 2,4-Dinitrotoluene	14.857	165	209	2.732	ng	# 53
62) 4-Nitroaniline	15.545	138	114	2.592	ng	# 19

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

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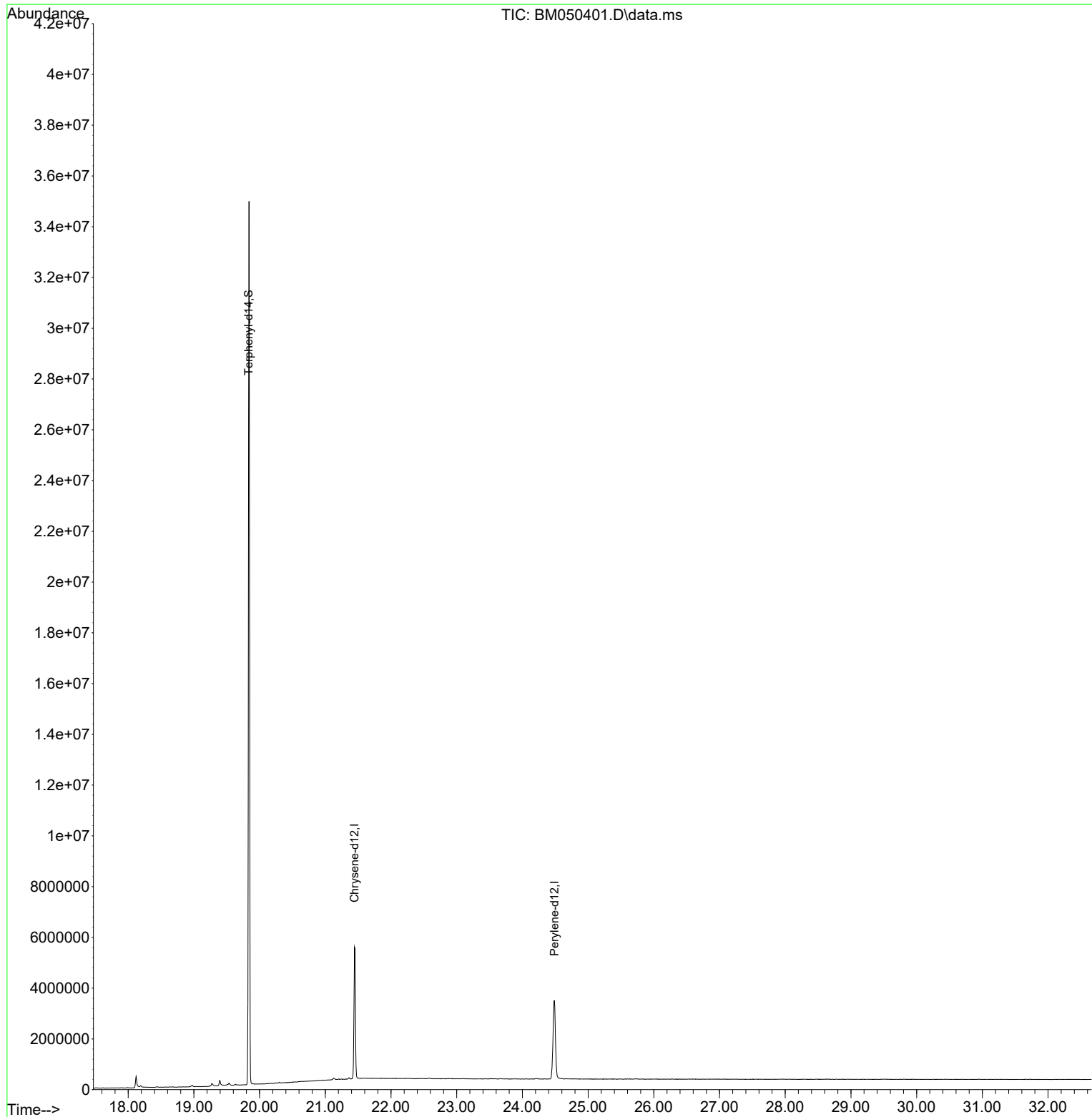
Quant Time: Jul 11 01:28:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

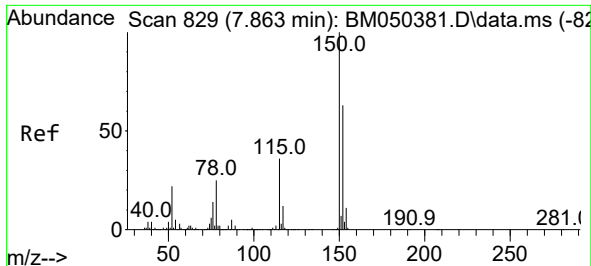


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071025\
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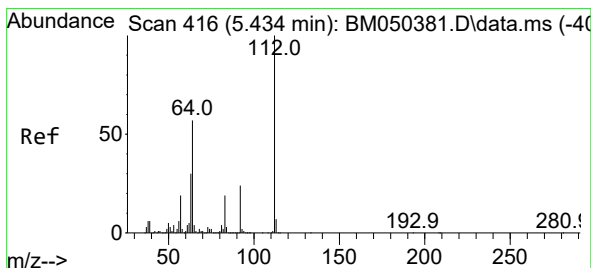
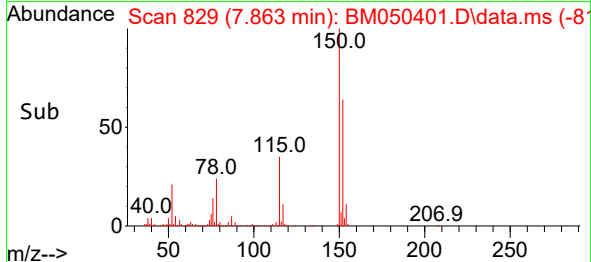
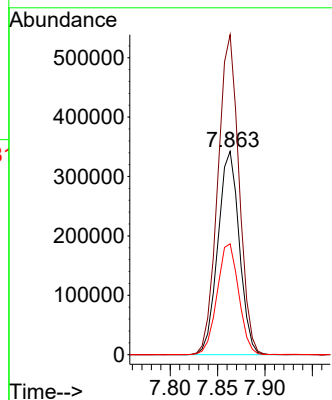
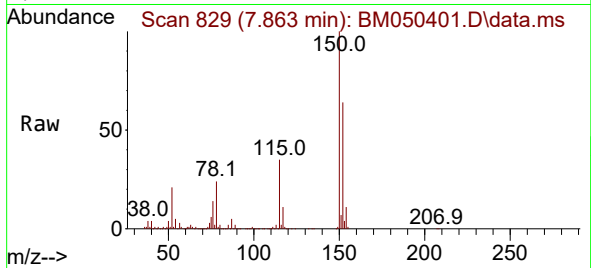




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.863 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BM050401.D
 Acq: 10 Jul 2025 22:39

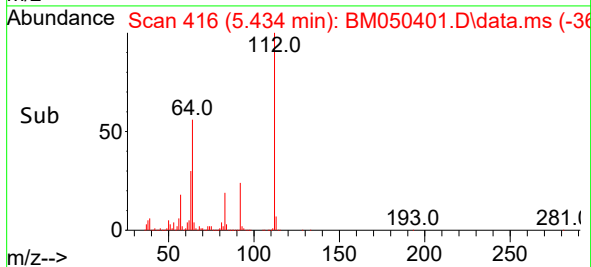
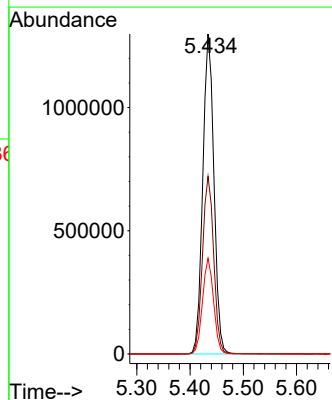
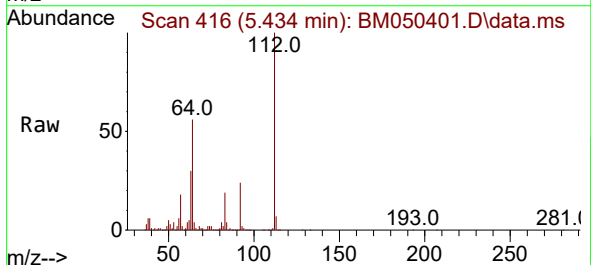
Instrument :
 BNA_M
 ClientSampleId :
 G3(0-6)

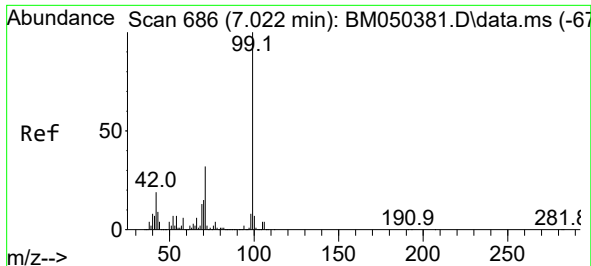
Tgt Ion:152 Resp: 538062
 Ion Ratio Lower Upper
 152 100
 150 157.4 126.2 189.4
 115 54.5 45.8 68.8



#5
 2-Fluorophenol
 Concen: 60.257 ng
 RT: 5.434 min Scan# 416
 Delta R.T. 0.000 min
 Lab File: BM050401.D
 Acq: 10 Jul 2025 22:39

Tgt Ion:112 Resp: 1883570
 Ion Ratio Lower Upper
 112 100
 64 55.5 45.5 68.3
 63 29.9 24.2 36.4

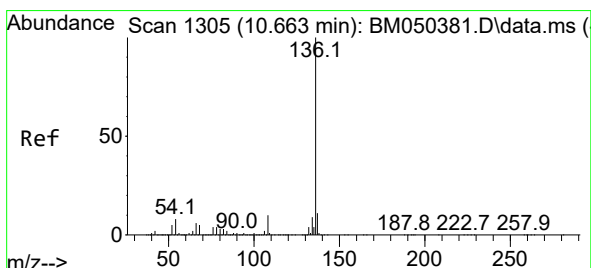
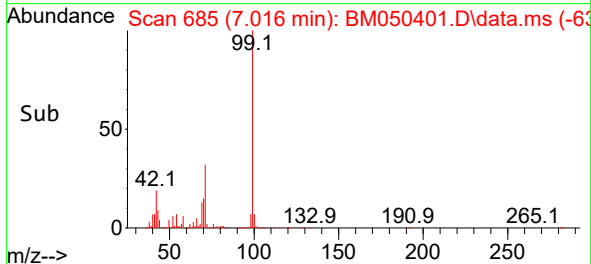
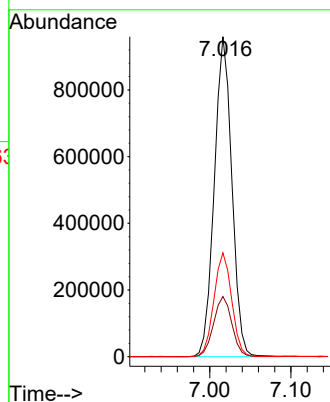
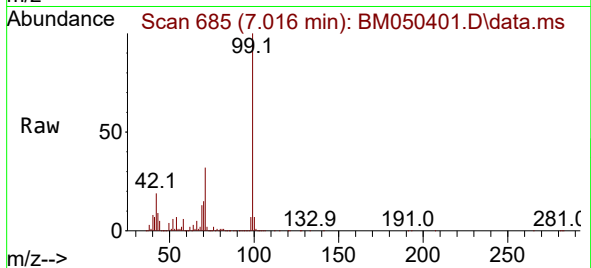




#7
Phenol-d6
Concen: 36.577 ng
RT: 7.016 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM050401.D
Acq: 10 Jul 2025 22:39

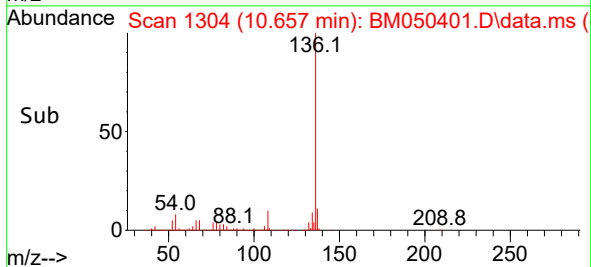
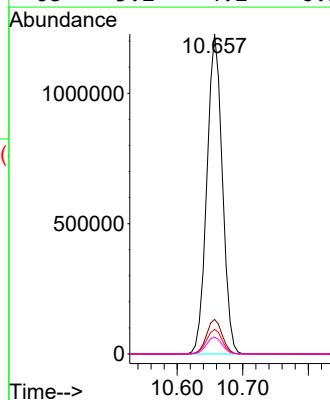
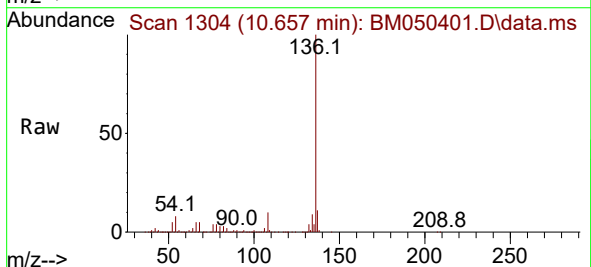
Instrument :
BNA_M
ClientSampleId :
G3(0-6)

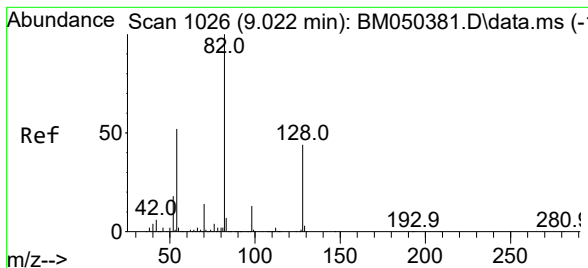
Tgt Ion: 99 Resp: 1441309
Ion Ratio Lower Upper
99 100
42 18.8 15.0 22.6
71 32.5 25.9 38.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BM050401.D
Acq: 10 Jul 2025 22:39

Tgt Ion:136 Resp: 2010300
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.7 6.3 9.5
68 5.2 4.2 6.2





#23

Nitrobenzene-d5

Concen: 84.643 ng

RT: 9.016 min Scan# 1168

Delta R.T. -0.006 min

Lab File: BM050401.D

Acq: 10 Jul 2025 22:39

Instrument :

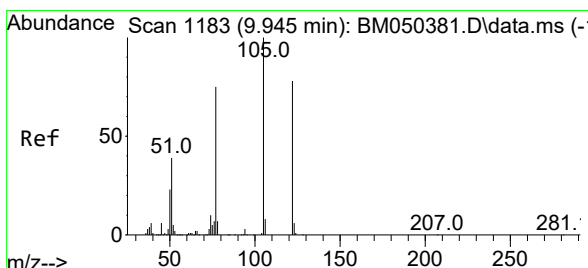
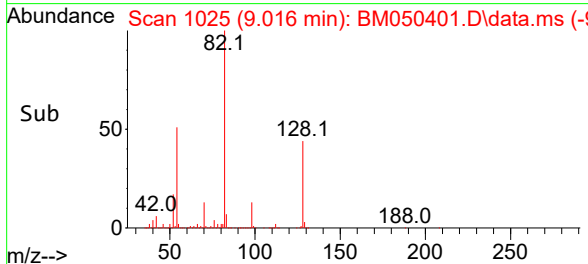
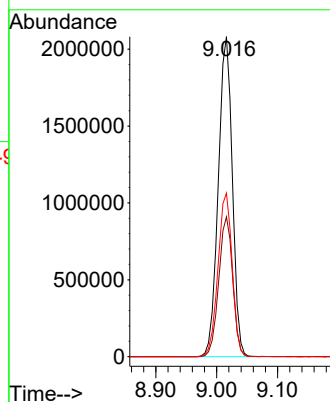
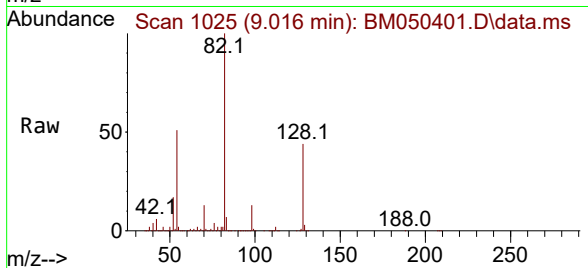
BNA_M

ClientSampleId :

G3(0-6)

Tgt Ion: 82 Resp: 3335262

Ion	Ratio	Lower	Upper
82	100		
128	43.7	35.2	52.8
54	51.1	41.5	62.3



#32

Benzoic acid

Concen: 6.190 ng

RT: 9.857 min Scan# 1168

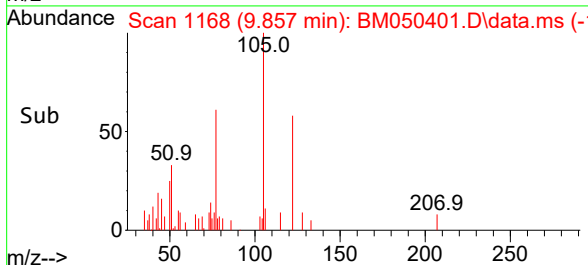
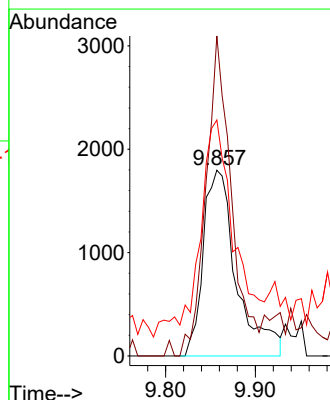
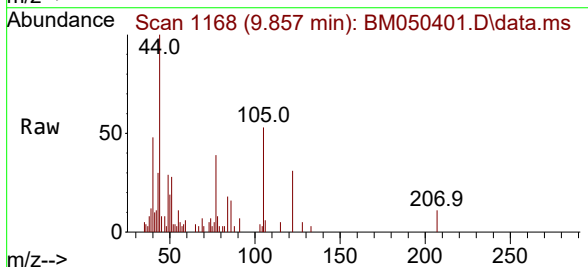
Delta R.T. -0.088 min

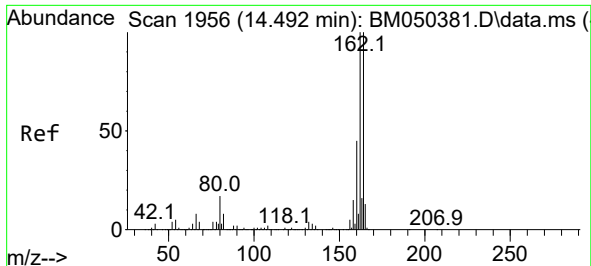
Lab File: BM050401.D

Acq: 10 Jul 2025 22:39

Tgt Ion: 122 Resp: 4613

Ion	Ratio	Lower	Upper
122	100		
105	172.2	104.0	144.0#
77	127.0	73.8	113.8#

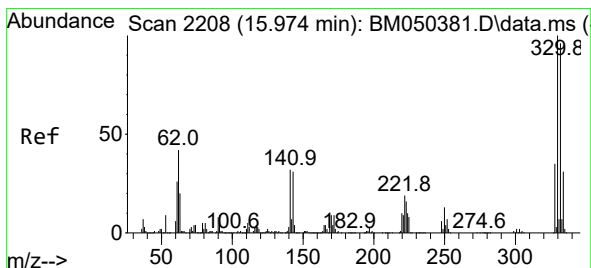
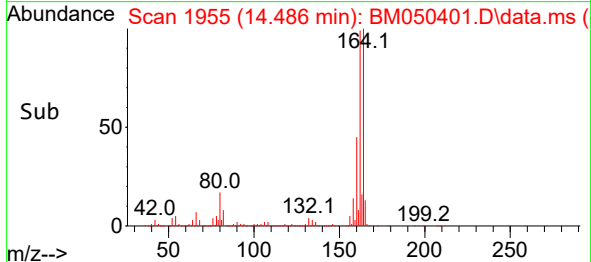
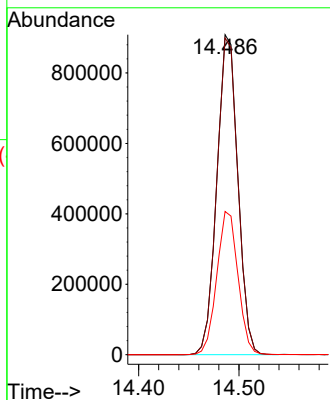
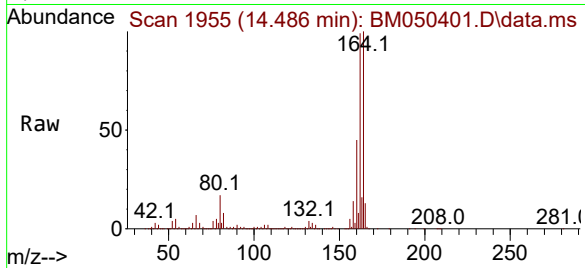




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1955
Delta R.T. -0.006 min
Lab File: BM050401.D
Acq: 10 Jul 2025 22:39

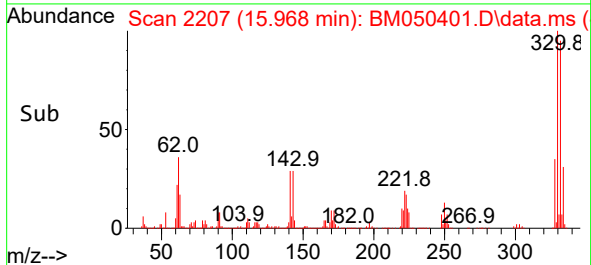
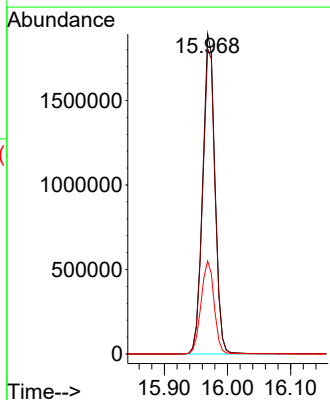
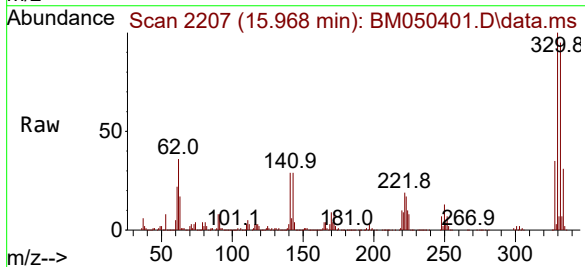
Instrument :
BNA_M
ClientSampleId :
G3(0-6)

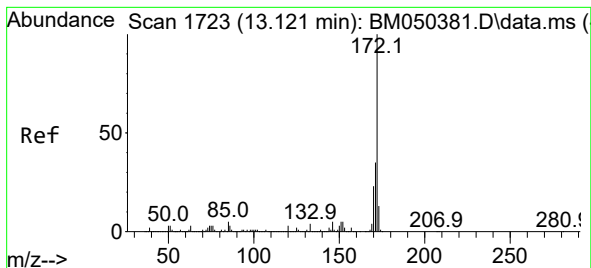
Tgt Ion:164 Resp: 1320616
Ion Ratio Lower Upper
164 100
162 99.0 79.9 119.9
160 44.7 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 159.047 ng
RT: 15.968 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BM050401.D
Acq: 10 Jul 2025 22:39

Tgt Ion:330 Resp: 2552013
Ion Ratio Lower Upper
330 100
332 96.7 76.9 115.3
141 31.1 27.4 41.0





#45

2-Fluorobiphenyl

Concen: 80.057 ng

RT: 13.116 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM050401.D

Acq: 10 Jul 2025 22:39

Instrument :

BNA_M

ClientSampleId :

G3(0-6)

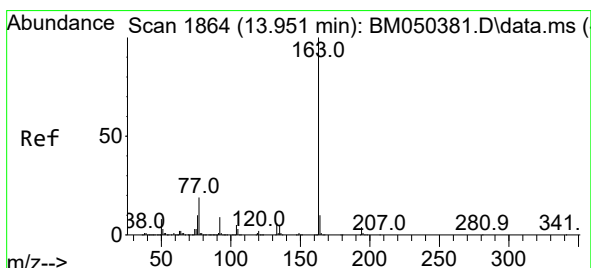
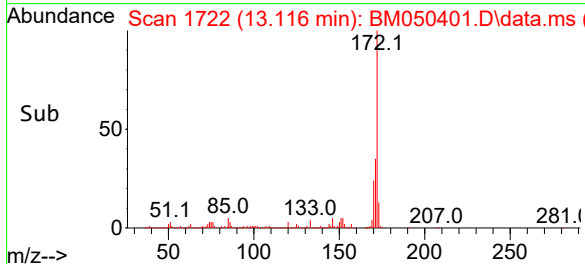
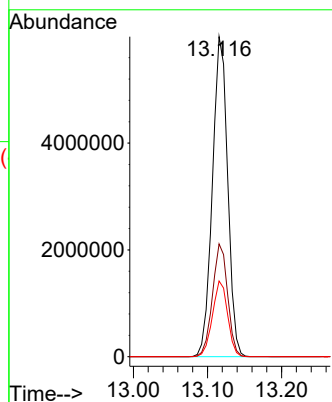
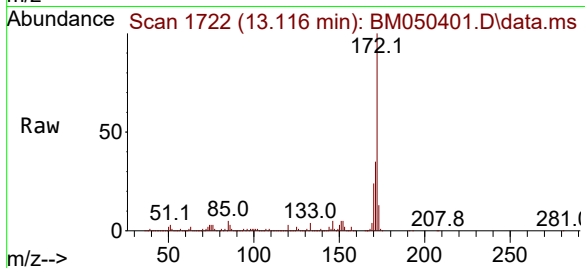
Tgt Ion:172 Resp: 8561125

Ion Ratio Lower Upper

172 100

171 35.2 27.7 41.5

170 23.7 18.8 28.2



#50

Dimethylphthalate

Concen: 10.058 ng

RT: 13.939 min Scan# 1862

Delta R.T. -0.012 min

Lab File: BM050401.D

Acq: 10 Jul 2025 22:39

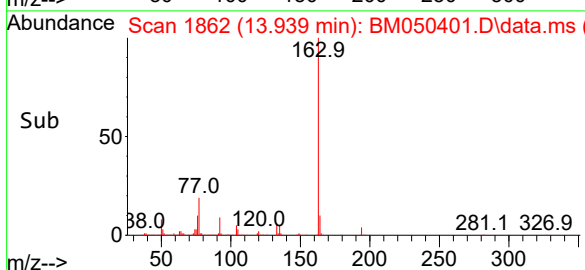
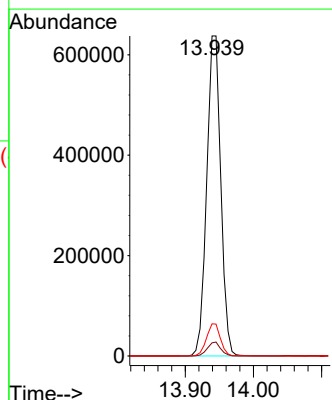
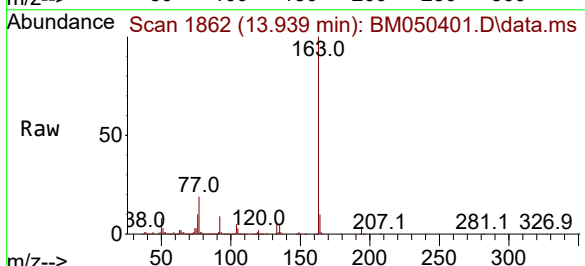
Tgt Ion:163 Resp: 914525

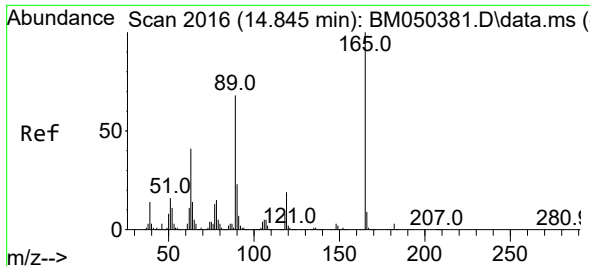
Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

164 10.1 8.2 12.2

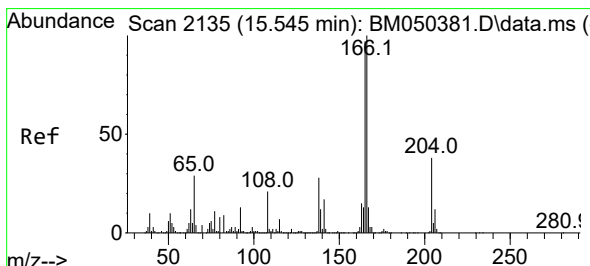
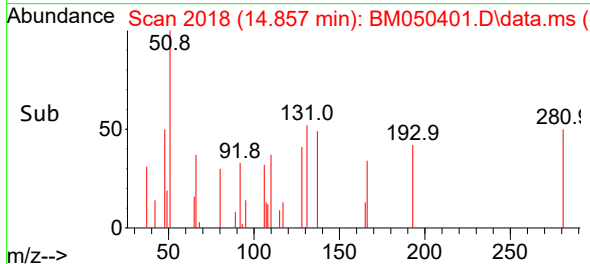
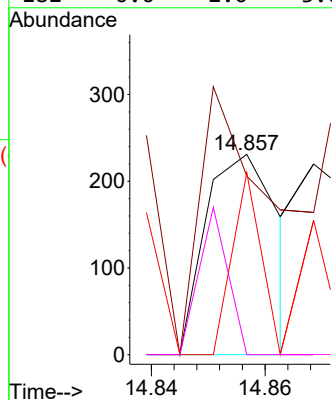
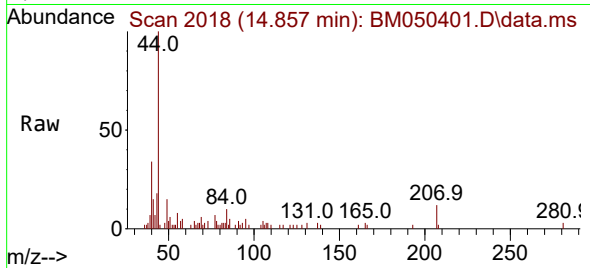




#57
2,4-Dinitrotoluene
Concen: 2.732 ng
RT: 14.857 min Scan# 2016
Delta R.T. 0.012 min
Lab File: BM050401.D
Acq: 10 Jul 2025 22:39

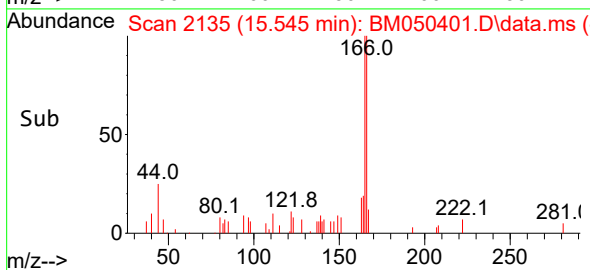
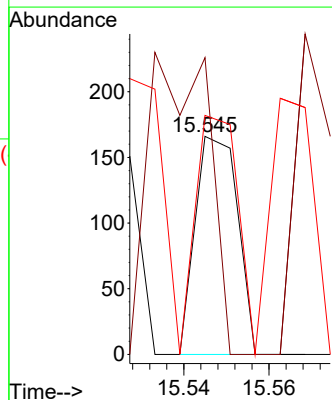
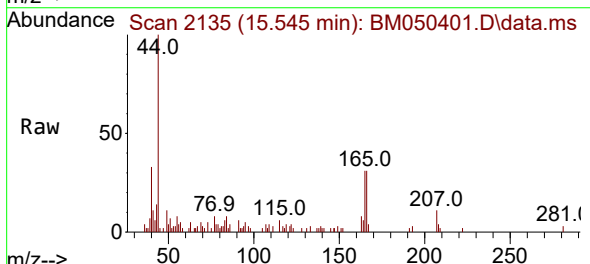
Instrument :
BNA_M
ClientSampleId :
G3(0-6)

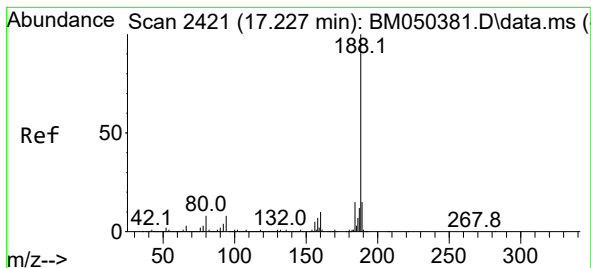
Tgt Ion:165 Resp: 209
Ion Ratio Lower Upper
165 100
63 89.2 32.5 48.7#
89 90.9 54.0 81.0#
182 0.0 2.0 3.0#



#62
4-Nitroaniline
Concen: 2.592 ng
RT: 15.545 min Scan# 2135
Delta R.T. -0.000 min
Lab File: BM050401.D
Acq: 10 Jul 2025 22:39

Tgt Ion:138 Resp: 114
Ion Ratio Lower Upper
138 100
92 136.1 24.5 64.5#
108 109.6 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: BM050401.D

Acq: 10 Jul 2025 22:39

Instrument :

BNA_M

ClientSampleId :

G3(0-6)

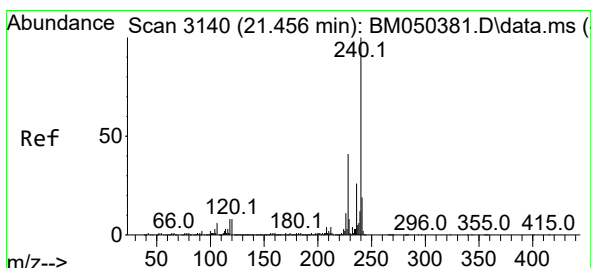
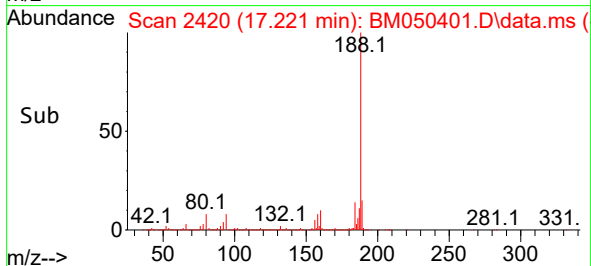
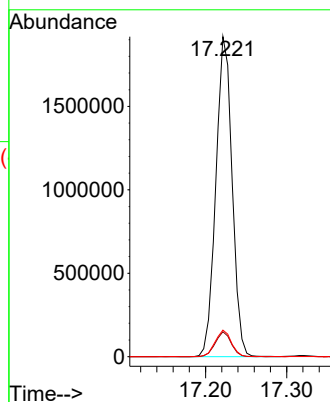
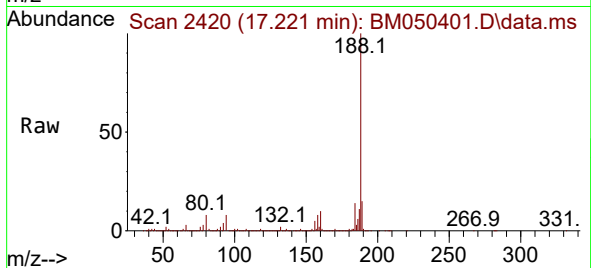
Tgt Ion:188 Resp: 2672284

Ion Ratio Lower Upper

188 100

94 7.8 6.0 9.0

80 8.3 6.5 9.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.445 min Scan# 3138

Delta R.T. -0.012 min

Lab File: BM050401.D

Acq: 10 Jul 2025 22:39

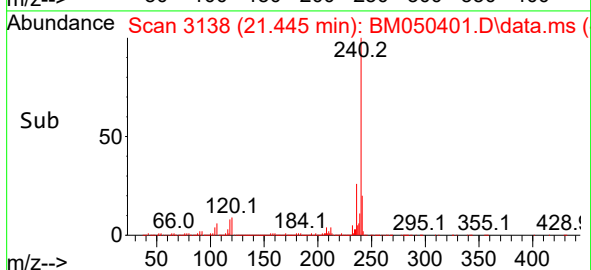
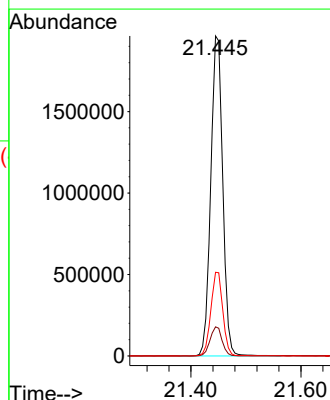
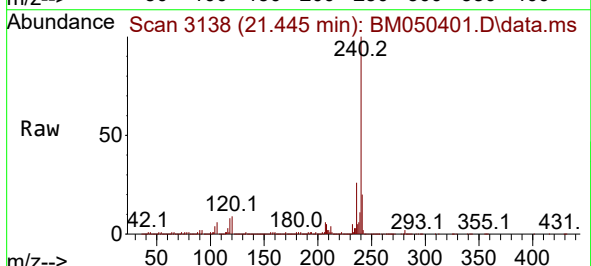
Tgt Ion:240 Resp: 2968688

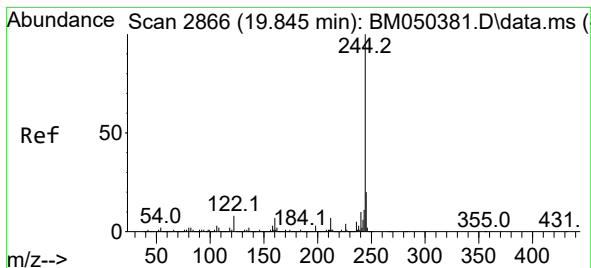
Ion Ratio Lower Upper

240 100

120 9.1 6.7 10.1

236 26.2 20.7 31.1





#79

Terphenyl-d14

Concen: 74.263 ng

RT: 19.833 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050401.D

Acq: 10 Jul 2025 22:39

Instrument :

BNA_M

ClientSampleId :

G3(0-6)

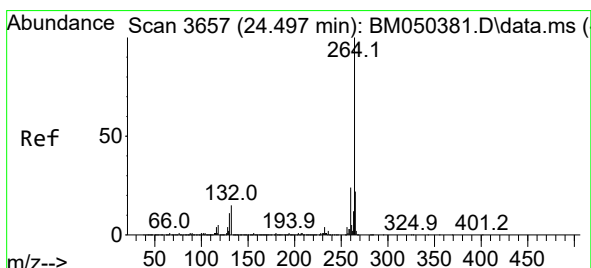
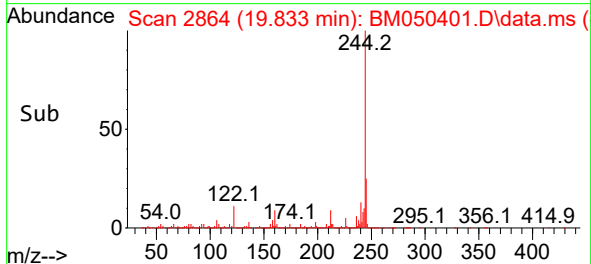
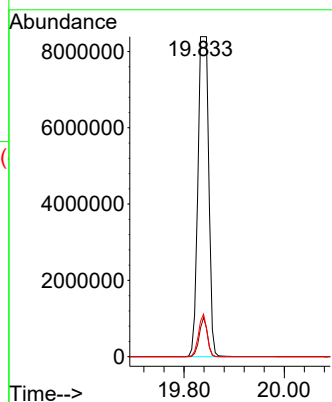
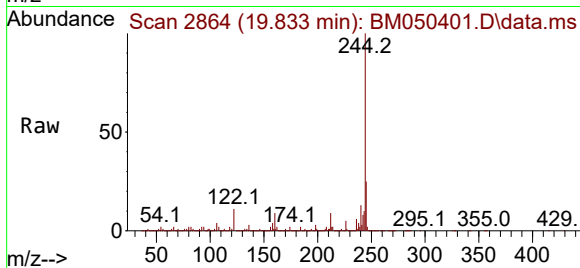
Tgt Ion:244 Resp:12530171

Ion Ratio Lower Upper

244 100

212 9.0 5.7 8.5#

122 11.1 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: BM050401.D

Acq: 10 Jul 2025 22:39

Tgt Ion:264 Resp: 3080582

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 21.8 17.8 26.6

