

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072225\
 Data File : BM050481.D
 Acq On : 22 Jul 2025 11:29
 Operator : RC/JU
 Sample : PB168929BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 22 19:41:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 16:20:15 2025
 Response via : Initial Calibration

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

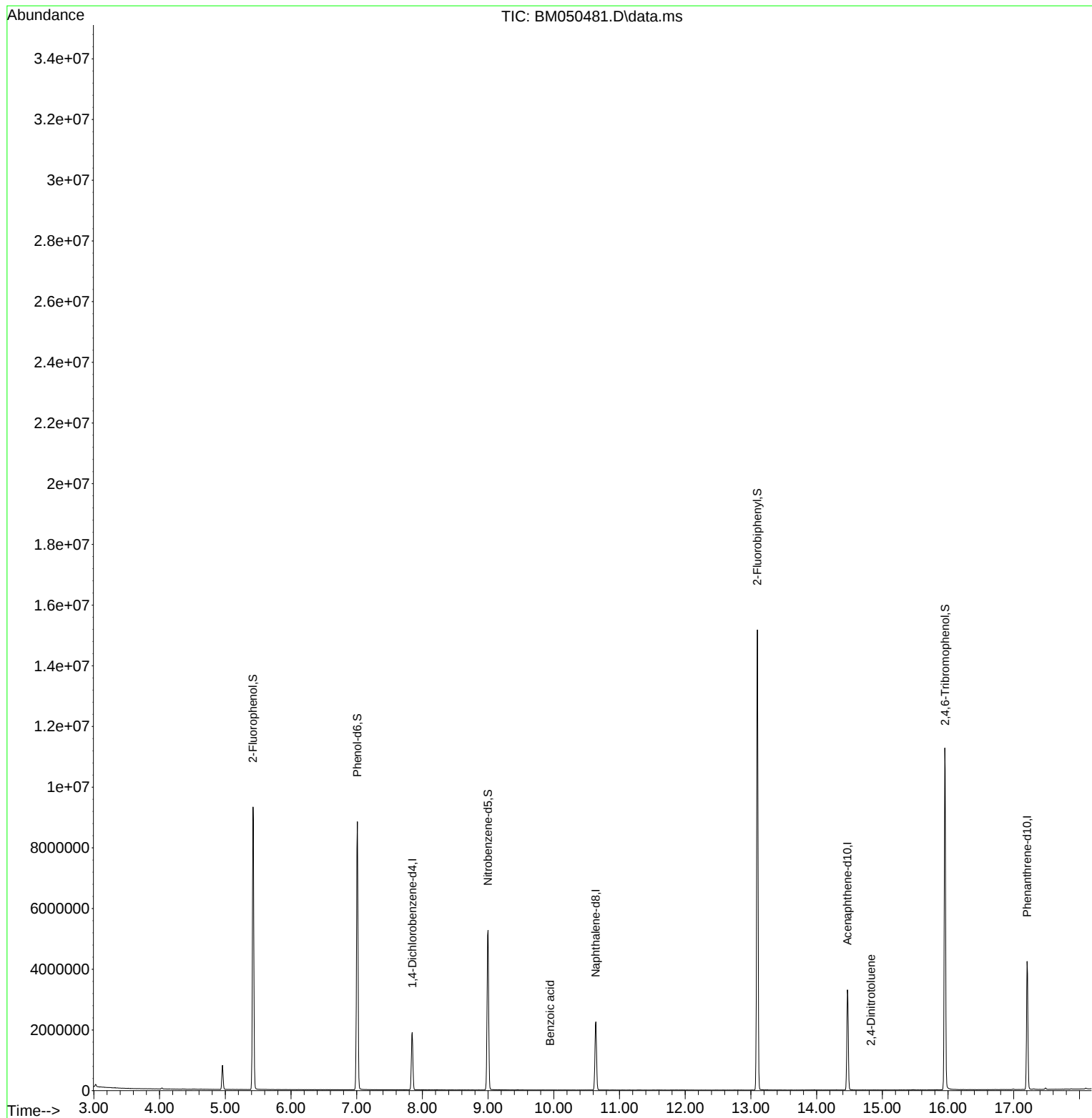
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.845	152	552021	20.000	ng	0.00
21) Naphthalene-d8	10.639	136	1914515	20.000	ng	0.00
39) Acenaphthene-d10	14.468	164	1205881	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	2563541	20.000	ng	0.00
76) Chrysene-d12	21.427	240	2673293	20.000	ng	0.00
86) Perylene-d12	24.450	264	2939248	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	4104774	127.996	ng	0.00
7) Phenol-d6	7.010	99	5060084	125.165	ng	0.00
23) Nitrobenzene-d5	8.998	82	2995161	79.815	ng	0.00
42) 2,4,6-Tribromophenol	15.957	330	2243185	153.102	ng	0.00
45) 2-Fluorobiphenyl	13.098	172	7772805	79.601	ng	0.00
79) Terphenyl-d14	19.815	244	12429504	81.806	ng	0.00
Target Compounds						
32) Benzoic acid	9.945	122	59	5.977	ng	# 1
57) 2,4-Dinitrotoluene	14.827	165	71	2.727	ng	# 20

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

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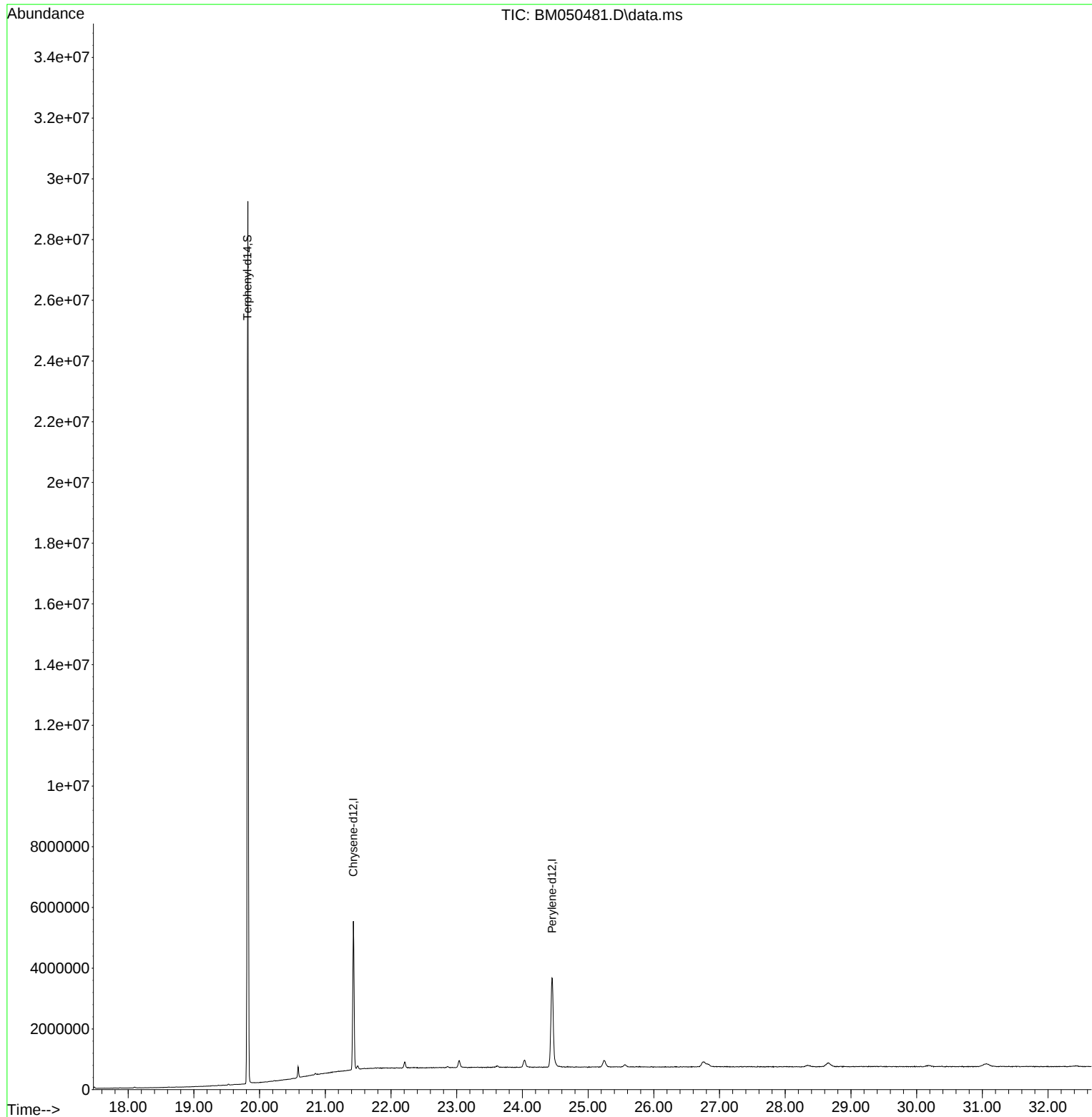
Quant Time: Jul 22 19:41:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
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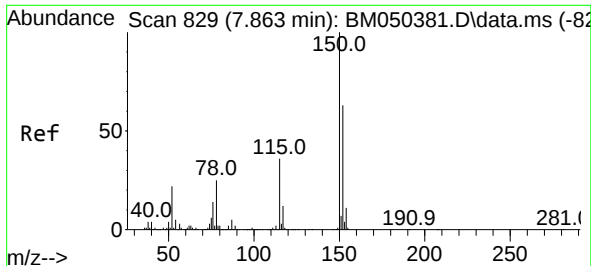


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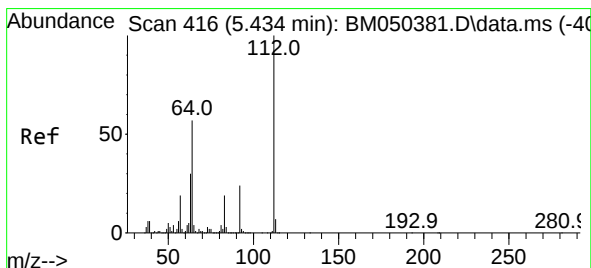
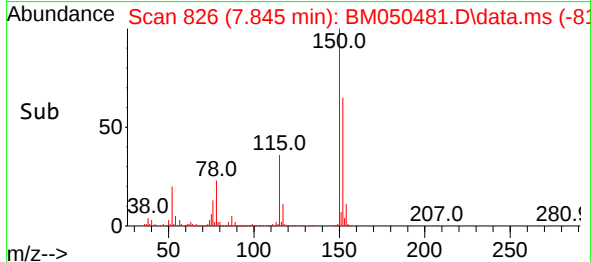
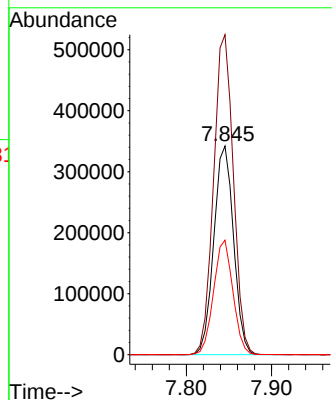
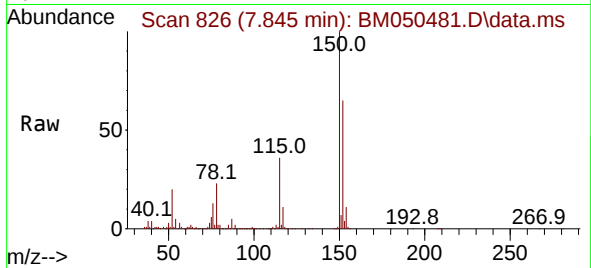




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050481.D
Acq: 22 Jul 2025 11:29

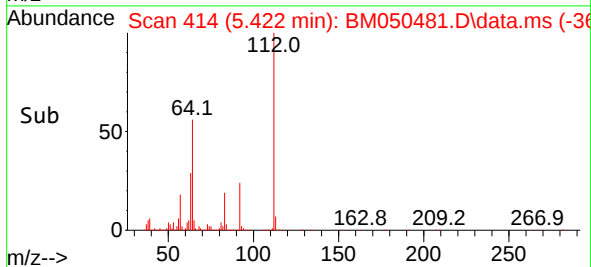
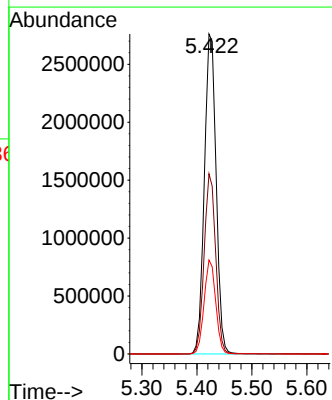
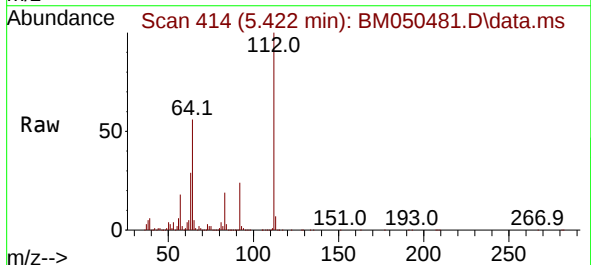
Instrument :
BNA_M
ClientSampleId :

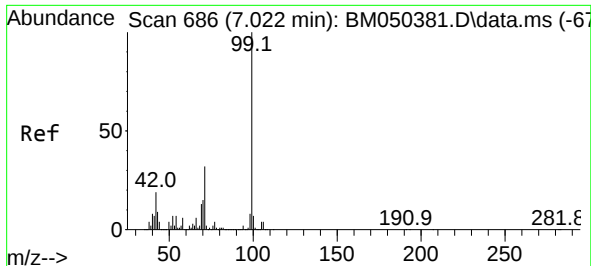
Tgt Ion:152 Resp: 552021
Ion Ratio Lower Upper
152 100
150 153.4 126.2 189.4
115 54.9 45.8 68.8



#5
2-Fluorophenol
Concen: 127.996 ng
RT: 5.422 min Scan# 414
Delta R.T. -0.006 min
Lab File: BM050481.D
Acq: 22 Jul 2025 11:29

Tgt Ion:112 Resp: 4104774
Ion Ratio Lower Upper
112 100
64 56.3 45.5 68.3
63 29.4 24.2 36.4

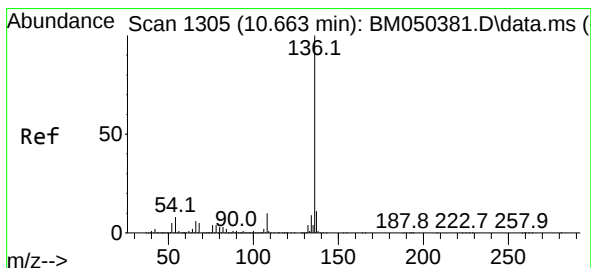
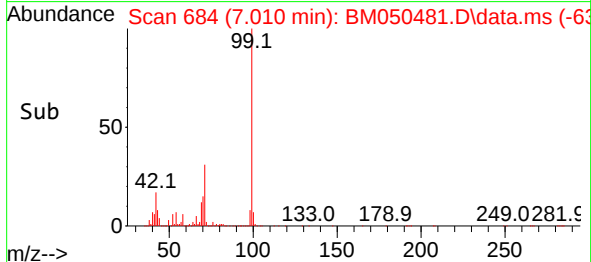
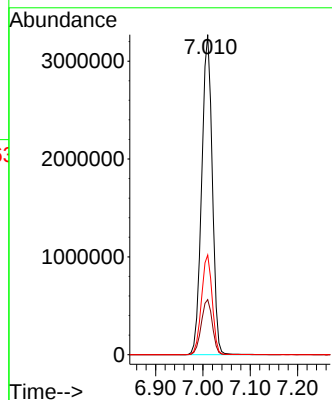
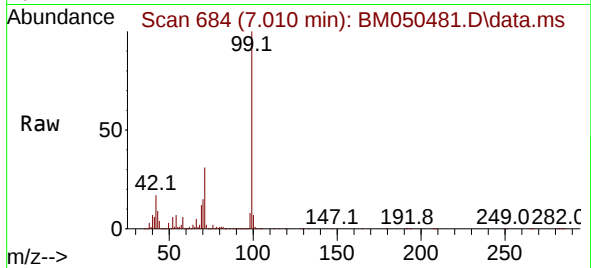




#7
Phenol-d6
Concen: 125.165 ng
RT: 7.010 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM050481.D
Acq: 22 Jul 2025 11:29

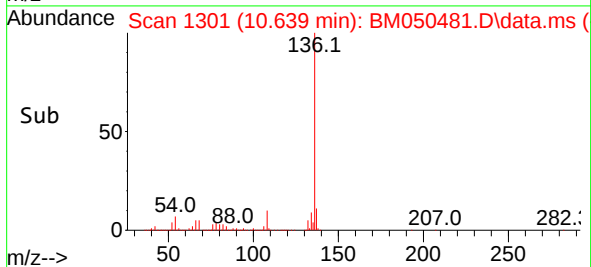
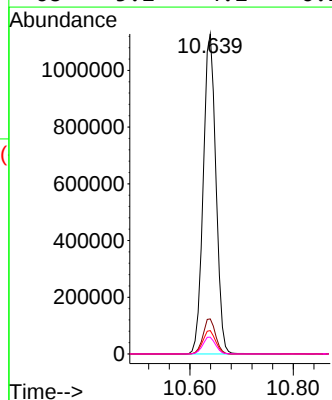
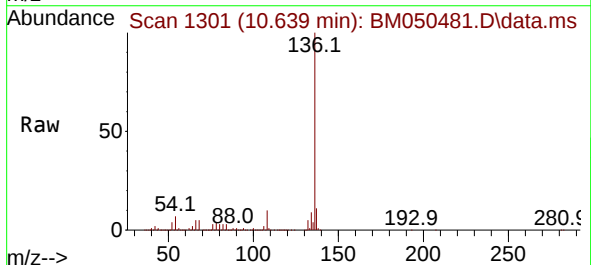
Instrument :
BNA_M
ClientSampleId :

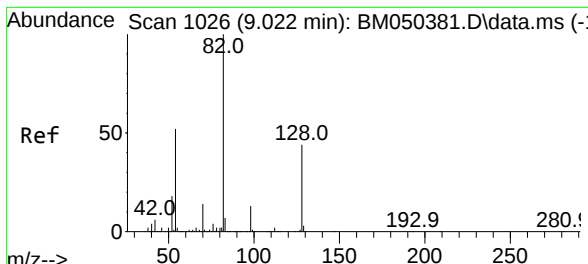
Tgt Ion: 99 Resp: 5060084
Ion Ratio Lower Upper
99 100
42 17.2 15.0 22.6
71 31.2 25.9 38.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.639 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BM050481.D
Acq: 22 Jul 2025 11:29

Tgt Ion: 136 Resp: 1914515
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.3 6.3 9.5
68 5.2 4.2 6.2



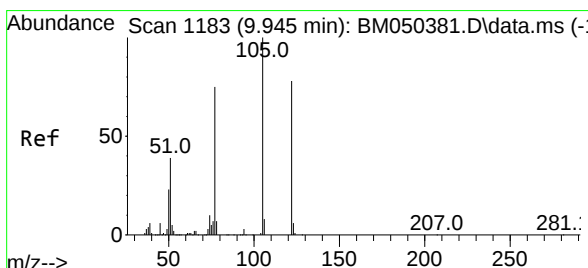
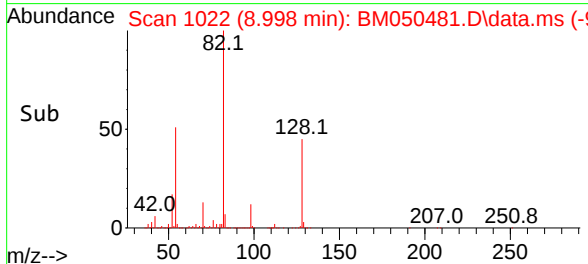
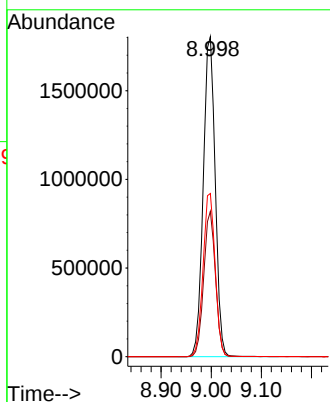
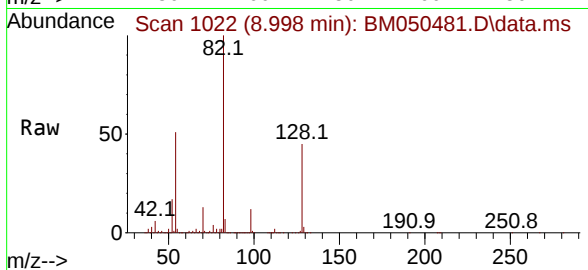


#23
 Nitrobenzene-d5
 Concen: 79.815 ng
 RT: 8.998 min Scan# 1022
 Delta R.T. -0.006 min
 Lab File: BM050481.D
 Acq: 22 Jul 2025 11:29

Instrument :
 BNA_M
 ClientSampleId :

Tgt Ion: 82 Resp: 2995161

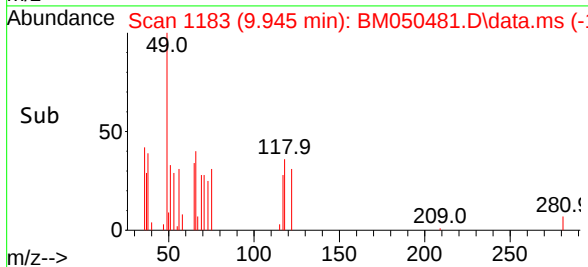
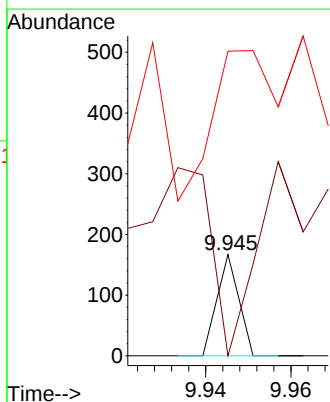
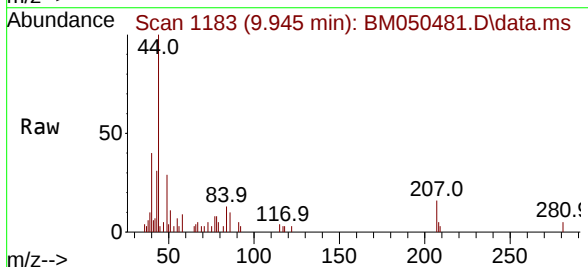
Ion	Ratio	Lower	Upper
82	100		
128	45.4	35.2	52.8
54	51.0	41.5	62.3

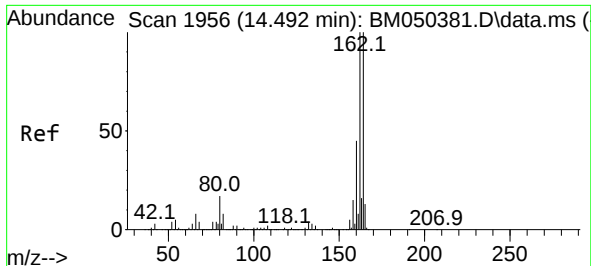


#32
 Benzoic acid
 Concen: 5.977 ng
 RT: 9.945 min Scan# 1183
 Delta R.T. 0.012 min
 Lab File: BM050481.D
 Acq: 22 Jul 2025 11:29

Tgt Ion: 122 Resp: 59

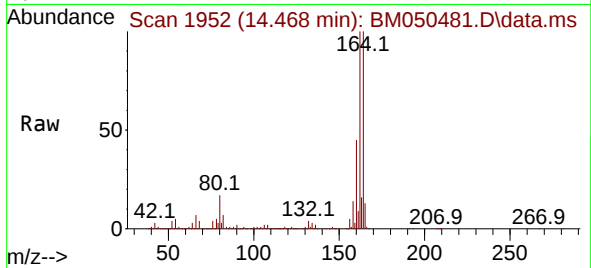
Ion	Ratio	Lower	Upper
122	100		
105	0.0	104.0	144.0#
77	300.6	73.8	113.8#





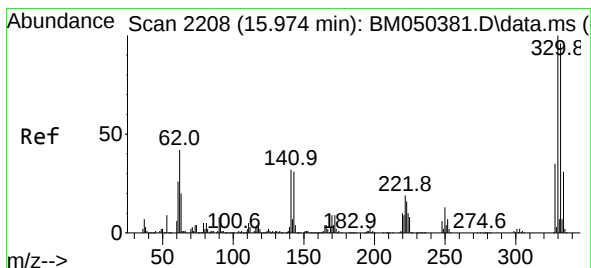
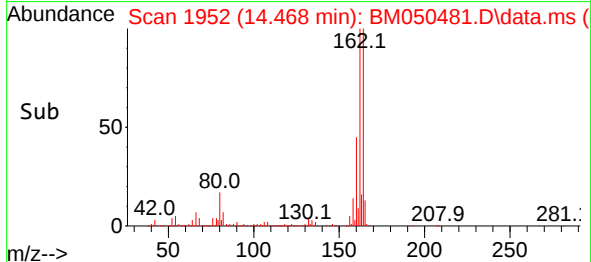
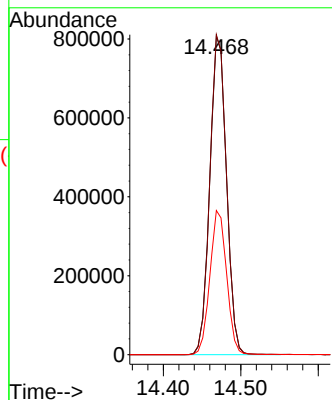
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.468 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BM050481.D
Acq: 22 Jul 2025 11:29

Instrument :
BNA_M
ClientSampleId :



Tgt Ion:164 Resp: 1205881

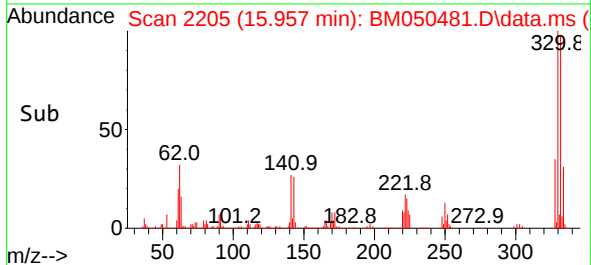
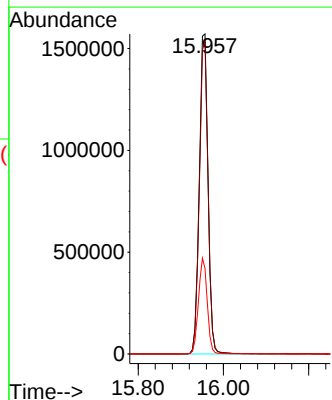
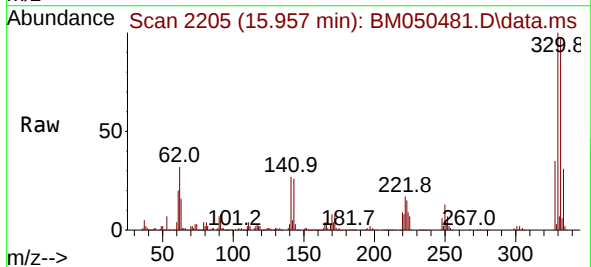
Ion	Ratio	Lower	Upper
164	100		
162	100.4	79.9	119.9
160	45.2	36.2	54.4

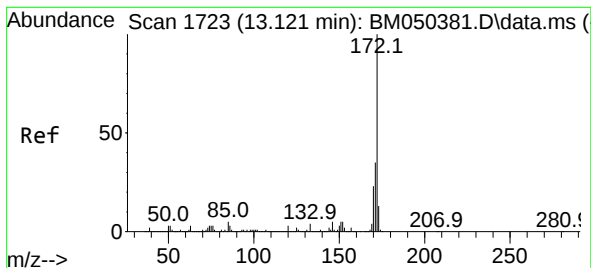


#42
2,4,6-Tribromophenol
Concen: 153.102 ng
RT: 15.957 min Scan# 2205
Delta R.T. 0.000 min
Lab File: BM050481.D
Acq: 22 Jul 2025 11:29

Tgt Ion:330 Resp: 2243185

Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.9	115.3
141	30.0	27.4	41.0





#45

2-Fluorobiphenyl

Concen: 79.601 ng

RT: 13.098 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM050481.D

Acq: 22 Jul 2025 11:29

Instrument :

BNA_M

ClientSampleId :

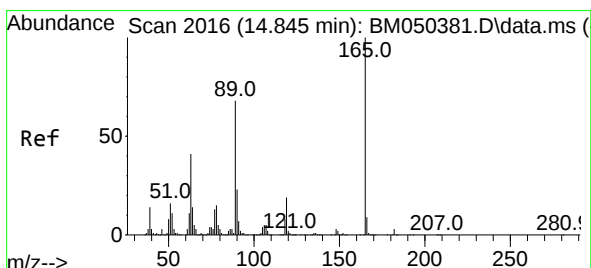
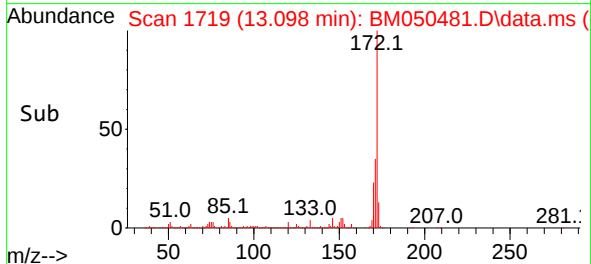
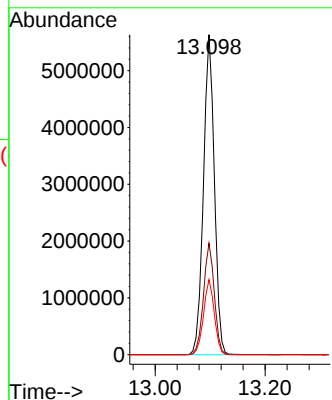
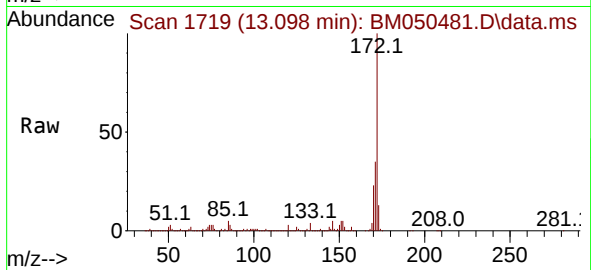
Tgt Ion:172 Resp: 7772805

Ion Ratio Lower Upper

172 100

171 34.8 27.7 41.5

170 23.4 18.8 28.2



#57

2,4-Dinitrotoluene

Concen: 2.727 ng

RT: 14.827 min Scan# 2013

Delta R.T. 0.000 min

Lab File: BM050481.D

Acq: 22 Jul 2025 11:29

Tgt Ion:165 Resp: 71

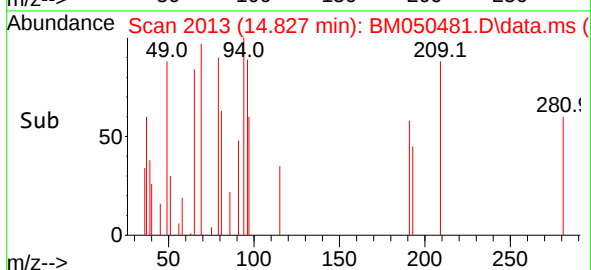
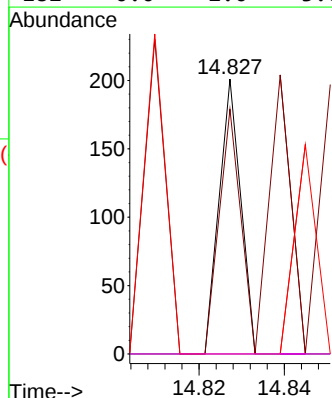
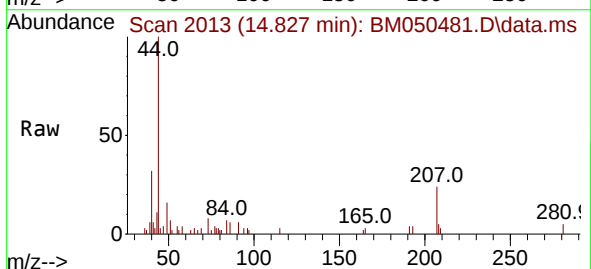
Ion Ratio Lower Upper

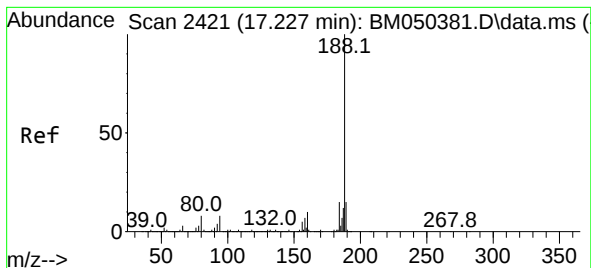
165 100

63 89.1 32.5 48.7#

89 0.0 54.0 81.0#

182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.204 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM050481.D

Acq: 22 Jul 2025 11:29

Instrument :

BNA_M

ClientSampleId :

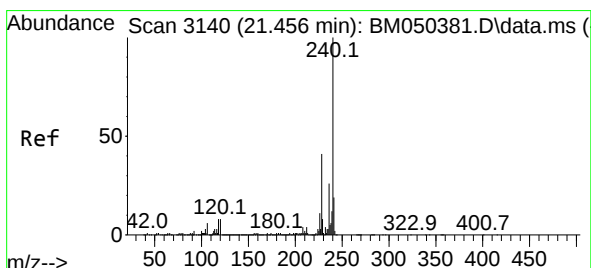
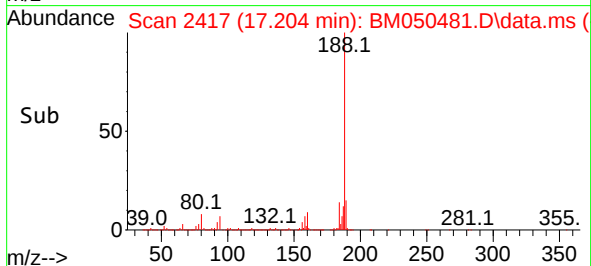
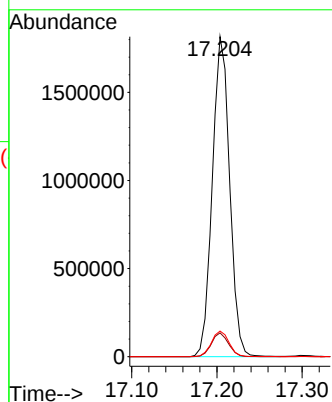
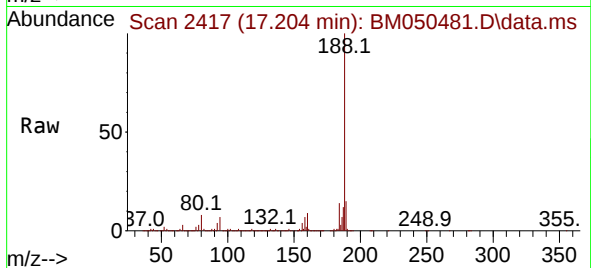
Tgt Ion:188 Resp: 2563541

Ion Ratio Lower Upper

188 100

94 7.5 6.0 9.0

80 8.0 6.5 9.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.427 min Scan# 3135

Delta R.T. -0.006 min

Lab File: BM050481.D

Acq: 22 Jul 2025 11:29

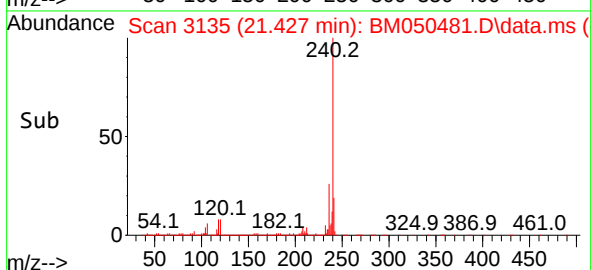
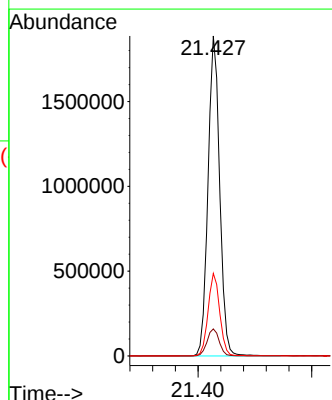
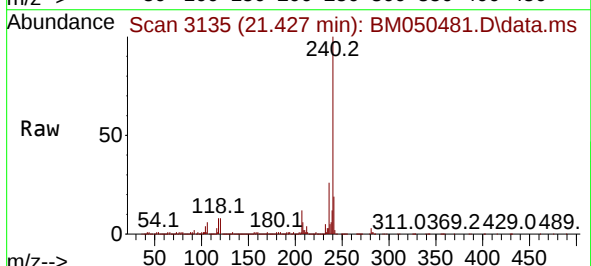
Tgt Ion:240 Resp: 2673293

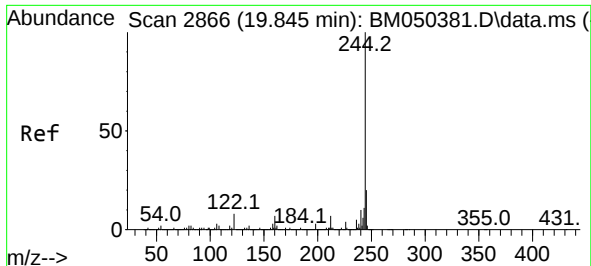
Ion Ratio Lower Upper

240 100

120 8.5 6.7 10.1

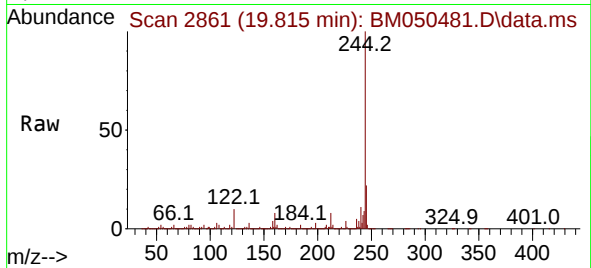
236 25.8 20.7 31.1



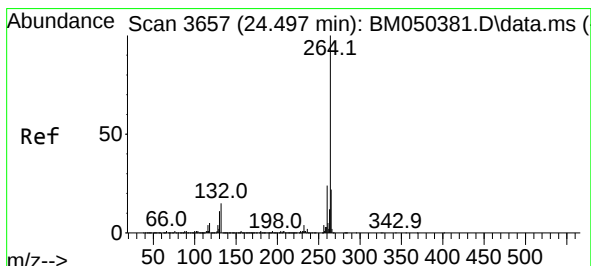
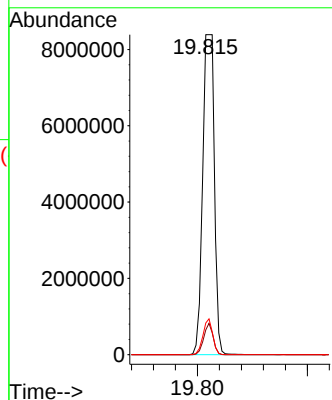
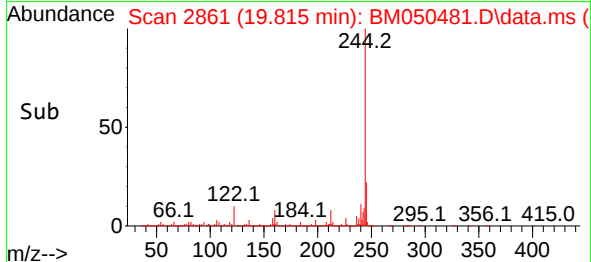


#79
 Terphenyl-d14
 Concen: 81.806 ng
 RT: 19.815 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM050481.D
 Acq: 22 Jul 2025 11:29

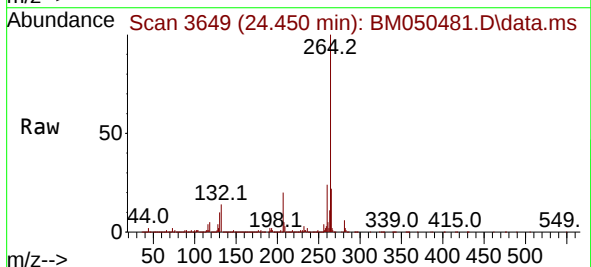
Instrument :
 BNA_M
 ClientSampleId :



Tgt Ion:244 Resp:12429504
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.7 8.5
 122 9.9 6.2 9.2#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.450 min Scan# 3649
 Delta R.T. -0.006 min
 Lab File: BM050481.D
 Acq: 22 Jul 2025 11:29



Tgt Ion:264 Resp: 2939248
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 22.2 17.8 26.6

