

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071025\
 Data File : BM050391.D
 Acq On : 10 Jul 2025 15:57
 Operator : RC/JU
 Sample : Q2529-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-98

Quant Time: Jul 10 16:32:32 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)

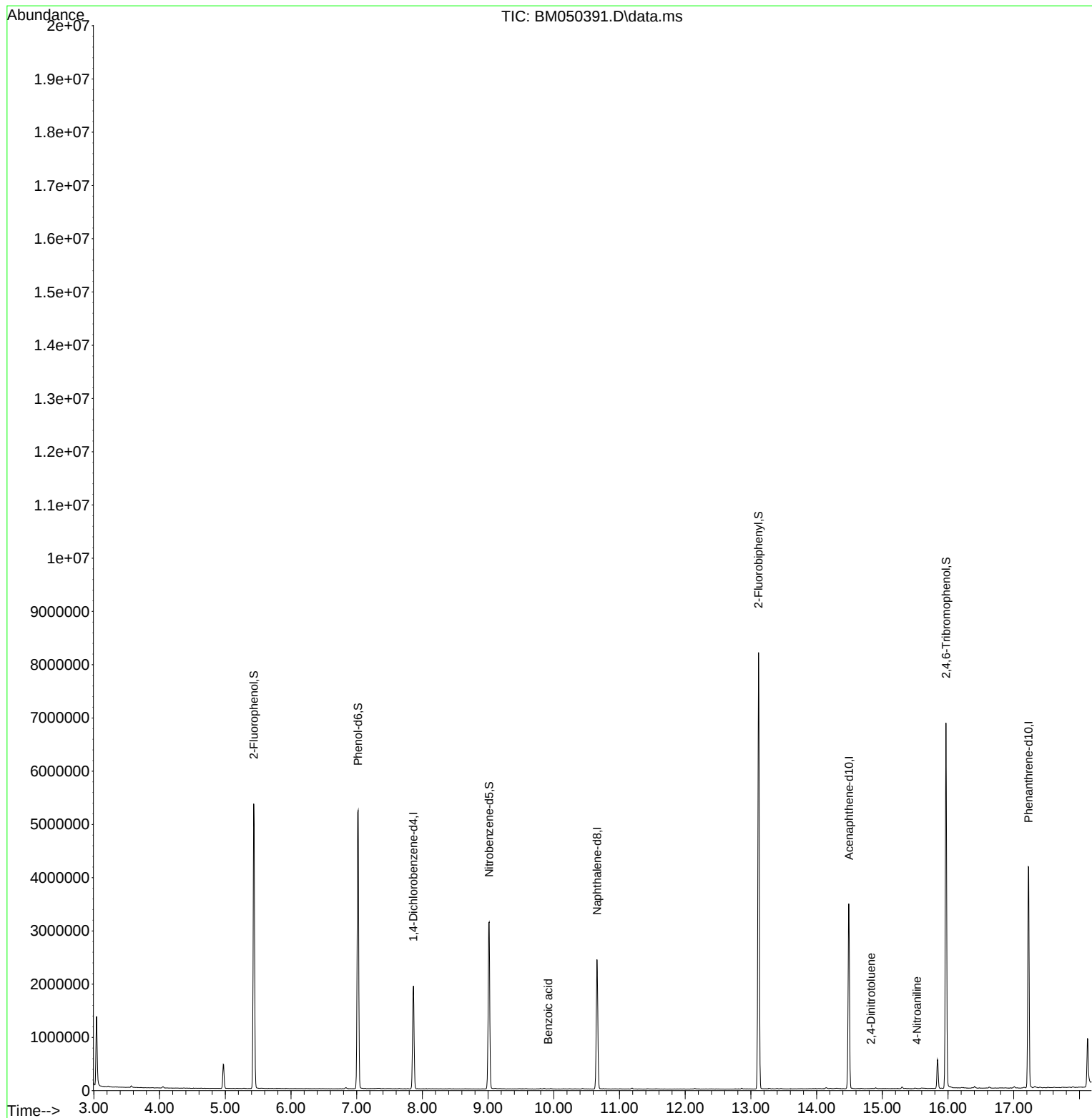
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	541235	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	1982504	20.000	ng	0.00
39) Acenaphthene-d10	14.492	164	1258100	20.000	ng	0.00
64) Phenanthrene-d10	17.227	188	2502021	20.000	ng	0.00
76) Chrysene-d12	21.450	240	2656845	20.000	ng	0.00
86) Perylene-d12	24.491	264	2652822	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	2318298	73.730	ng	0.00
7) Phenol-d6	7.022	99	2983692	75.275	ng	0.00
23) Nitrobenzene-d5	9.016	82	1778320	45.764	ng	0.00
42) 2,4,6-Tribromophenol	15.968	330	1264596	82.729	ng	0.00
45) 2-Fluorobiphenyl	13.116	172	4329912	42.502	ng	0.00
79) Terphenyl-d14	19.839	244	7301537	48.353	ng	0.00
Target Compounds						
					Qvalue	
32) Benzoic acid	9.916	122	118	5.980	ng	# 1
57) 2,4-Dinitrotoluene	14.827	165	471	2.742	ng	# 43
62) 4-Nitroaniline	15.527	138	116	2.592	ng	# 6

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

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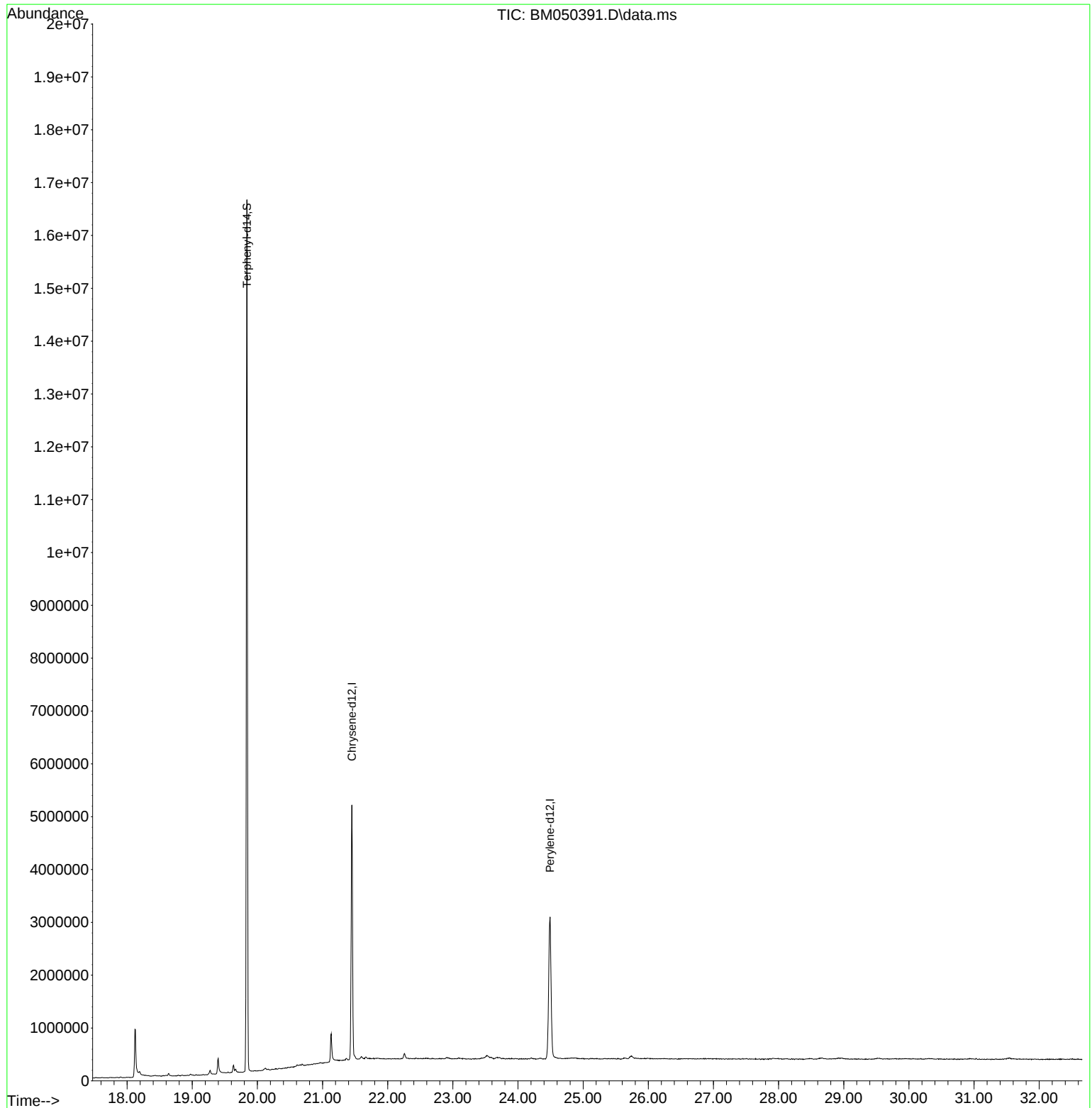
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

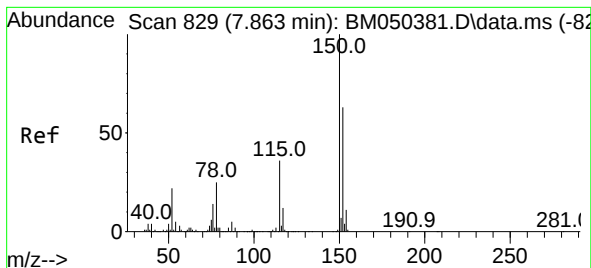


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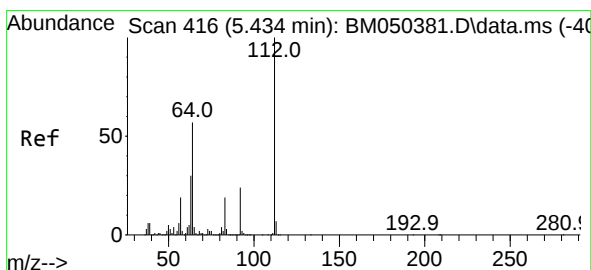
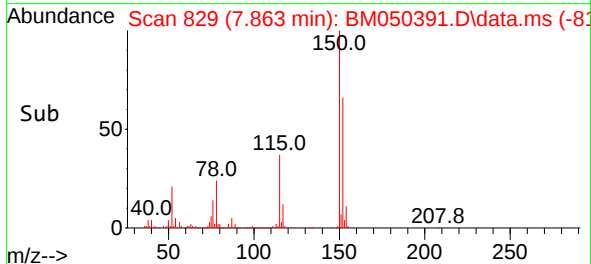
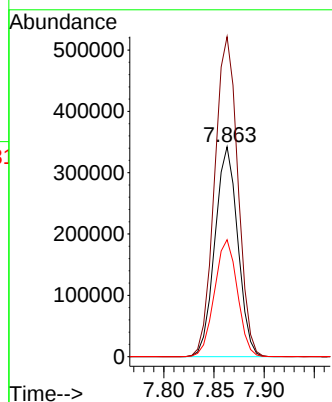
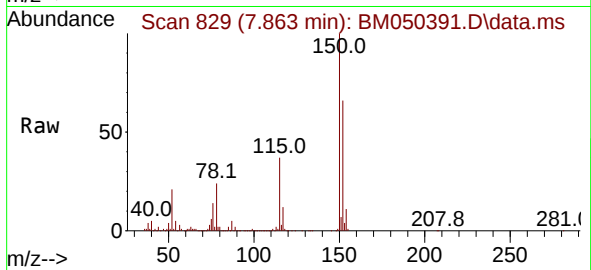




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.863 min Scan# 829
 Delta R.T. 0.000 min
 Lab File: BM050391.D
 Acq: 10 Jul 2025 15:57

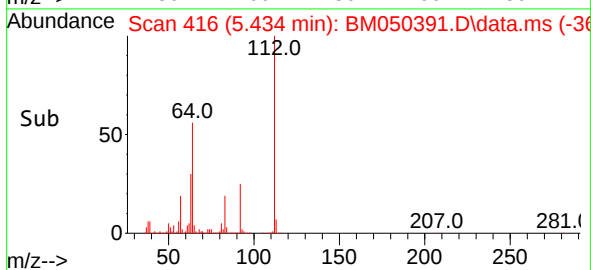
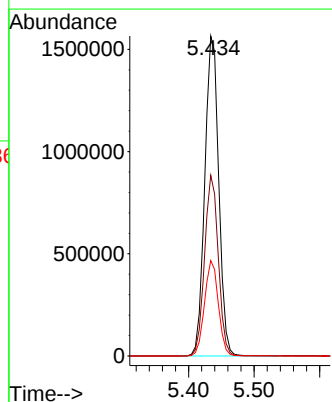
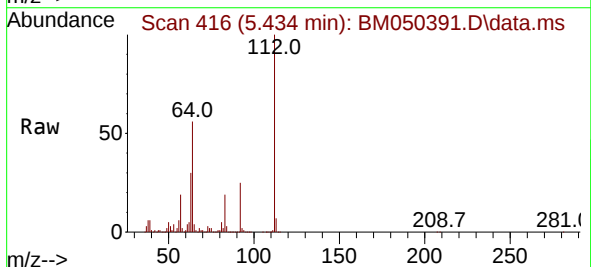
Instrument :
 BNA_M
 ClientSampleId :
 TP-98

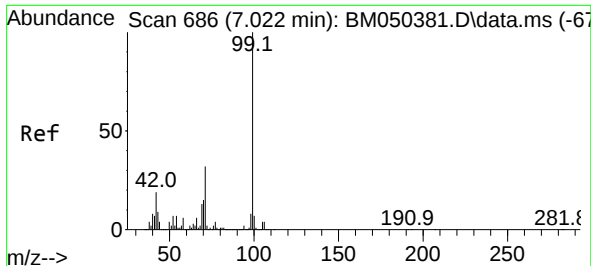
Tgt Ion:152 Resp: 541235
 Ion Ratio Lower Upper
 152 100
 150 152.4 126.2 189.4
 115 55.7 45.8 68.8



#5
 2-Fluorophenol
 Concen: 73.730 ng
 RT: 5.434 min Scan# 416
 Delta R.T. 0.000 min
 Lab File: BM050391.D
 Acq: 10 Jul 2025 15:57

Tgt Ion:112 Resp: 2318298
 Ion Ratio Lower Upper
 112 100
 64 56.4 45.5 68.3
 63 29.8 24.2 36.4



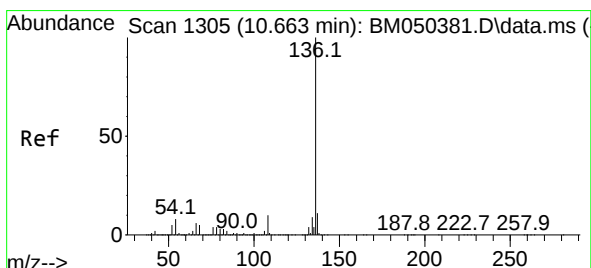
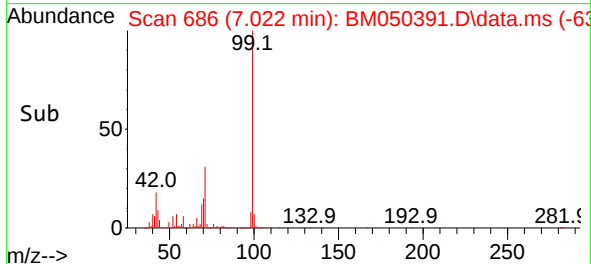
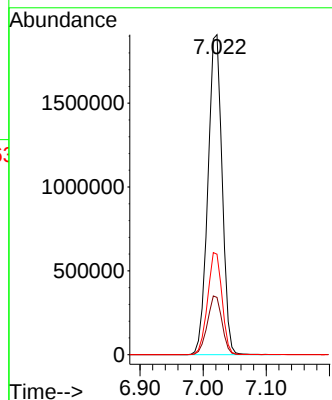
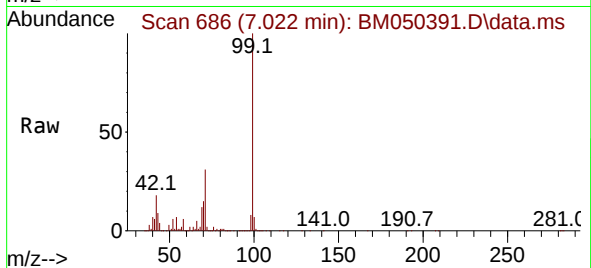


#7
Phenol-d6
Concen: 75.275 ng
RT: 7.022 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM050391.D
Acq: 10 Jul 2025 15:57

Instrument :
BNA_M
ClientSampleId :
TP-98

Tgt Ion: 99 Resp: 2983692

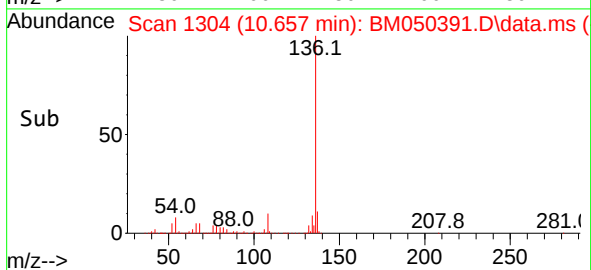
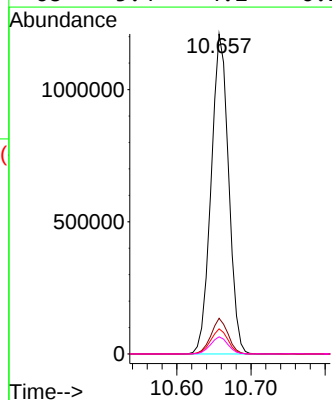
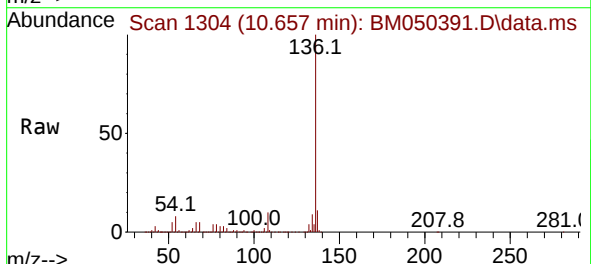
Ion	Ratio	Lower	Upper
99	100		
42	17.9	15.0	22.6
71	31.4	25.9	38.9

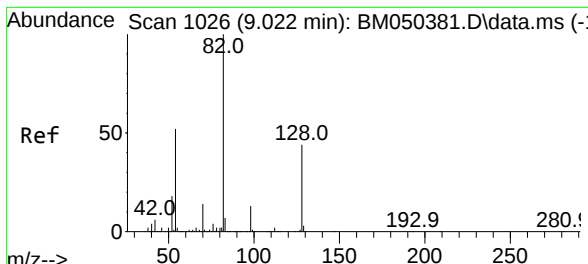


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BM050391.D
Acq: 10 Jul 2025 15:57

Tgt Ion: 136 Resp: 1982504

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	7.9	6.3	9.5
68	5.4	4.2	6.2



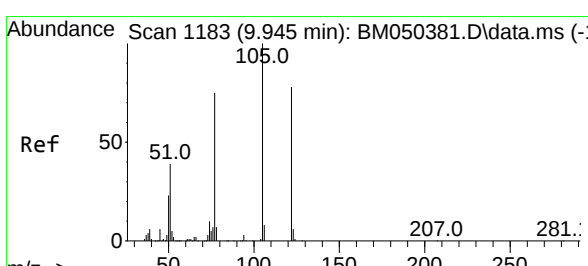
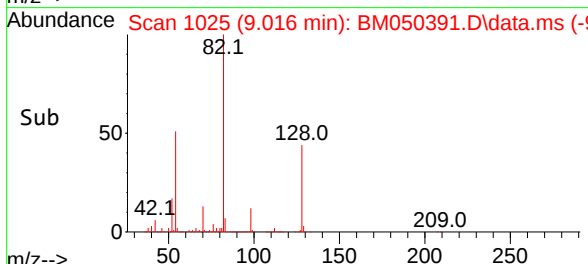
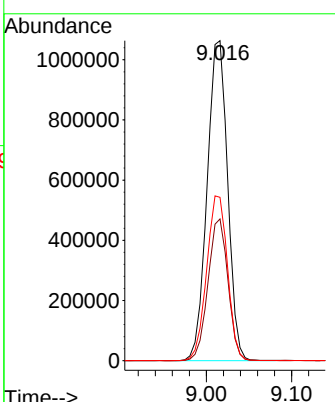
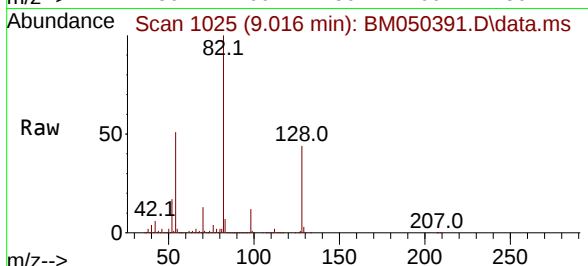


#23
 Nitrobenzene-d5
 Concen: 45.764 ng
 RT: 9.016 min Scan# 1178
 Delta R.T. -0.006 min
 Lab File: BM050391.D
 Acq: 10 Jul 2025 15:57

Instrument :
 BNA_M
 ClientSampleId :
 TP-98

Tgt Ion: 82 Resp: 1778320

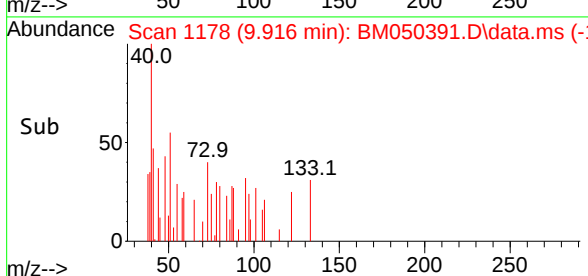
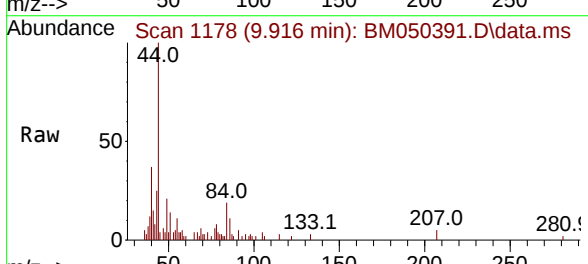
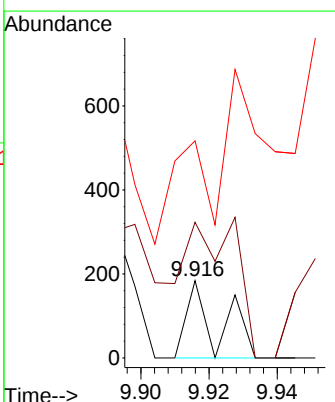
Ion	Ratio	Lower	Upper
82	100		
128	44.3	35.2	52.8
54	51.0	41.5	62.3

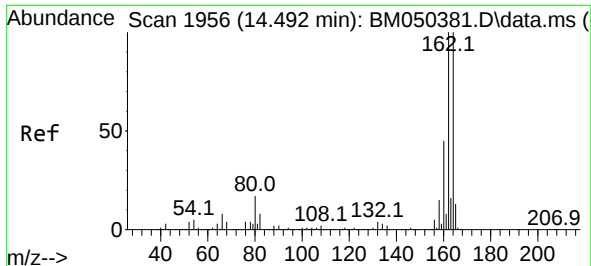


#32
 Benzoic acid
 Concen: 5.980 ng
 RT: 9.916 min Scan# 1178
 Delta R.T. -0.029 min
 Lab File: BM050391.D
 Acq: 10 Jul 2025 15:57

Tgt Ion: 122 Resp: 118

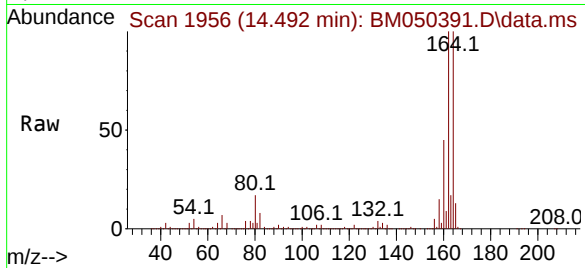
Ion	Ratio	Lower	Upper
122	100		
105	175.5	104.0	144.0#
77	281.0	73.8	113.8#



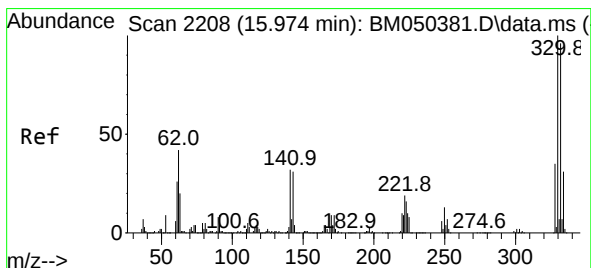
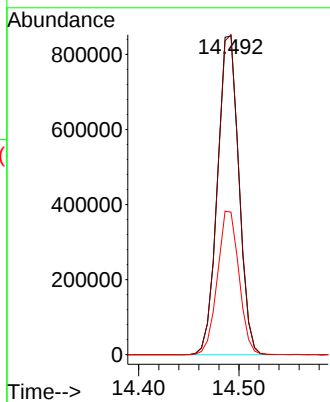
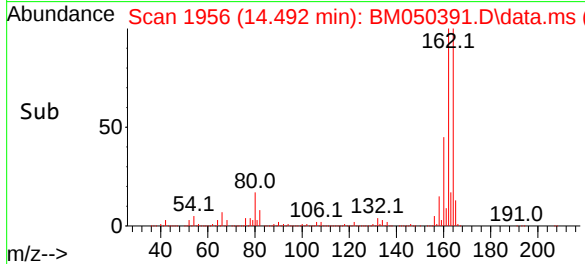


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.492 min Scan# 1956
Delta R.T. 0.000 min
Lab File: BM050391.D
Acq: 10 Jul 2025 15:57

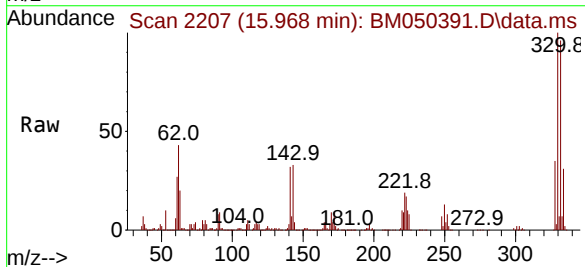
Instrument :
BNA_M
ClientSampleId :
TP-98



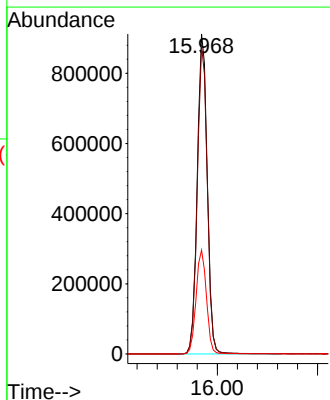
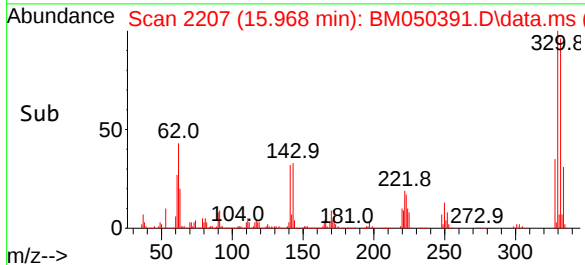
Tgt Ion:164 Resp: 1258100
Ion Ratio Lower Upper
164 100
162 100.4 79.9 119.9
160 44.8 36.2 54.4

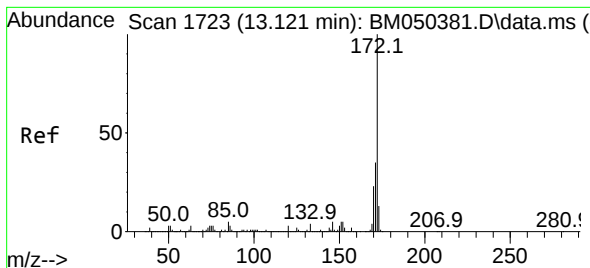


#42
2,4,6-Tribromophenol
Concen: 82.729 ng
RT: 15.968 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BM050391.D
Acq: 10 Jul 2025 15:57



Tgt Ion:330 Resp: 1264596
Ion Ratio Lower Upper
330 100
332 95.7 76.9 115.3
141 33.5 27.4 41.0





#45

2-Fluorobiphenyl

Concen: 42.502 ng

RT: 13.116 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM050391.D

Acq: 10 Jul 2025 15:57

Instrument :

BNA_M

ClientSampleId :

TP-98

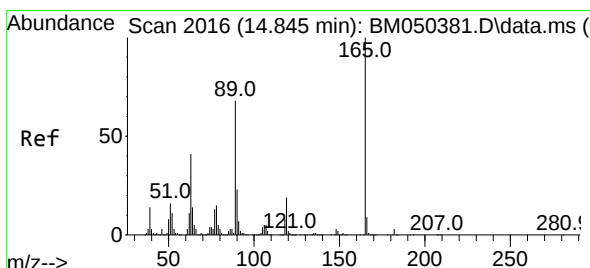
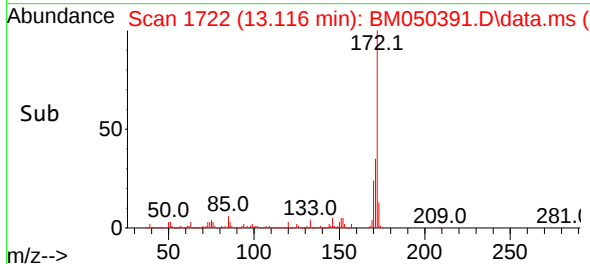
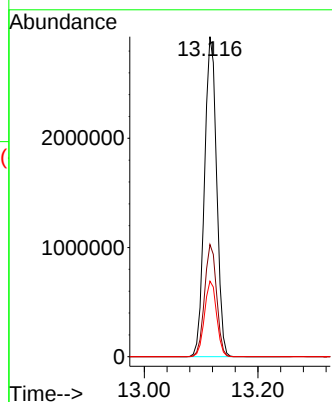
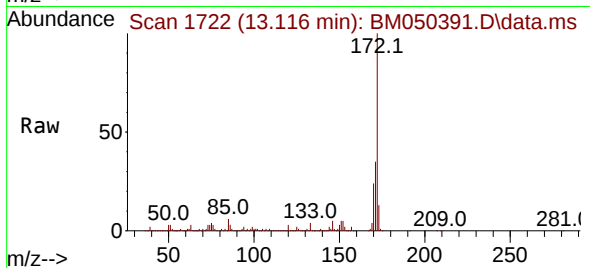
Tgt Ion:172 Resp: 4329912

Ion Ratio Lower Upper

172 100

171 35.1 27.7 41.5

170 23.6 18.8 28.2



#57

2,4-Dinitrotoluene

Concen: 2.742 ng

RT: 14.827 min Scan# 2013

Delta R.T. -0.018 min

Lab File: BM050391.D

Acq: 10 Jul 2025 15:57

Tgt Ion:165 Resp: 471

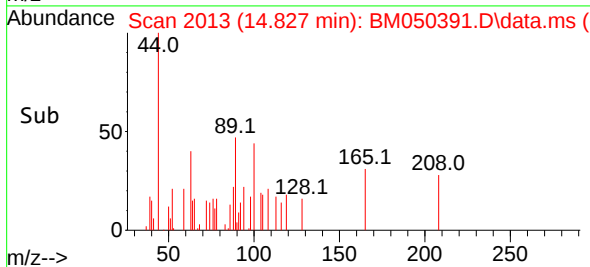
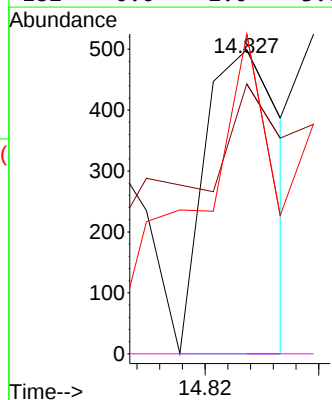
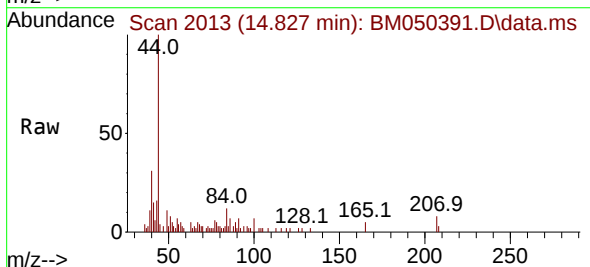
Ion Ratio Lower Upper

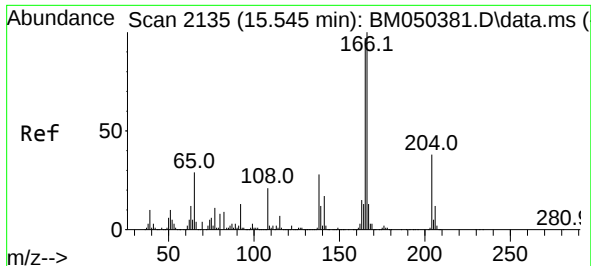
165 100

63 88.8 32.5 48.7#

89 105.2 54.0 81.0#

182 0.0 2.0 3.0#

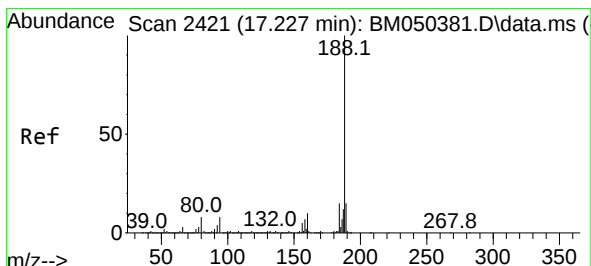
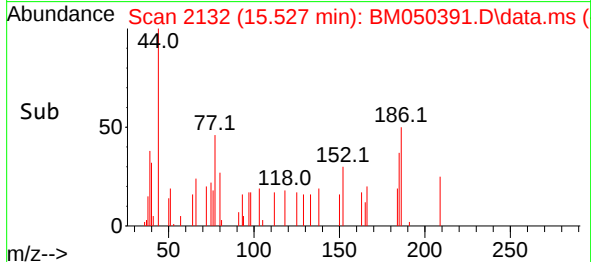
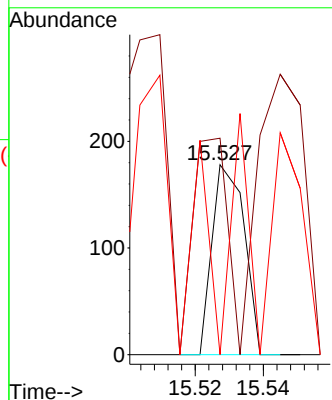
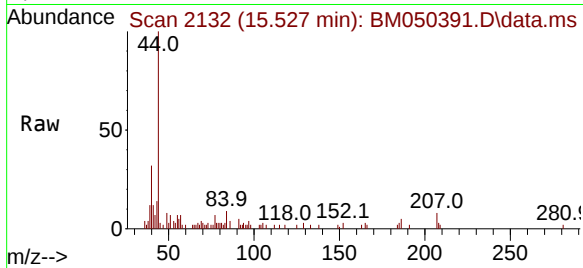




#62
4-Nitroaniline
Concen: 2.592 ng
RT: 15.527 min Scan# 2135
Delta R.T. -0.018 min
Lab File: BM050391.D
Acq: 10 Jul 2025 15:57

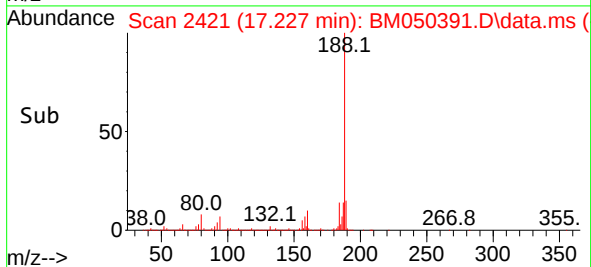
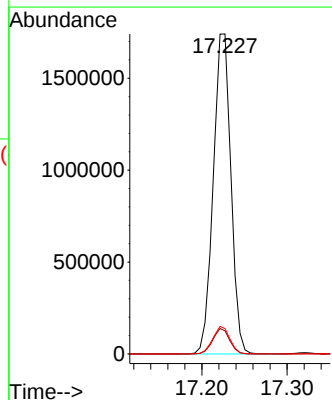
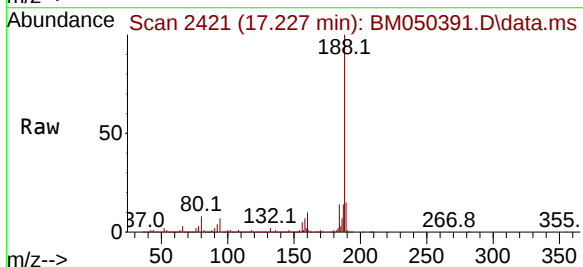
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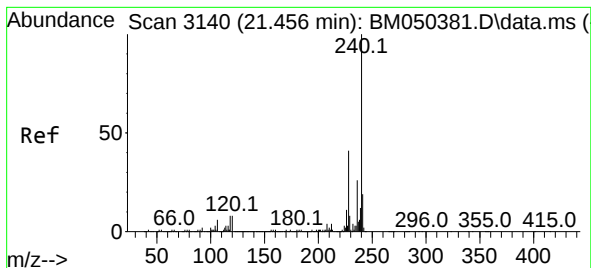
Tgt Ion:138 Resp: 116
Ion Ratio Lower Upper
138 100
92 114.0 24.5 64.5#
108 0.0 52.5 92.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2421
Delta R.T. 0.000 min
Lab File: BM050391.D
Acq: 10 Jul 2025 15:57

Tgt Ion:188 Resp: 2502021
Ion Ratio Lower Upper
188 100
94 7.3 6.0 9.0
80 7.9 6.5 9.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.450 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM050391.D

Acq: 10 Jul 2025 15:57

Instrument :

BNA_M

ClientSampleId :

TP-98

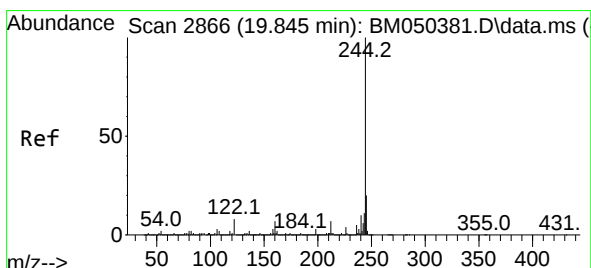
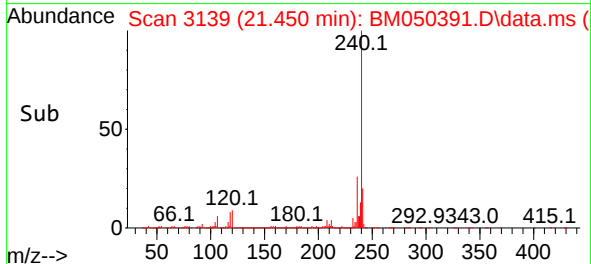
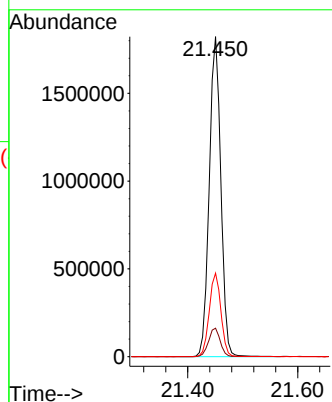
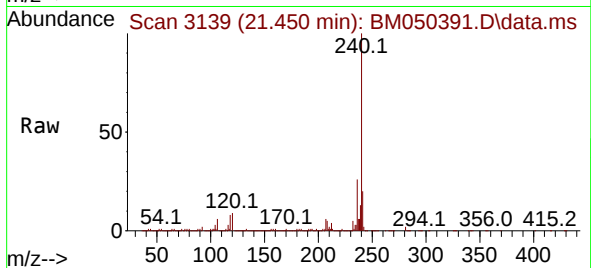
Tgt Ion:240 Resp: 2656845

Ion Ratio Lower Upper

240 100

120 8.9 6.7 10.1

236 26.1 20.7 31.1



#79

Terphenyl-d14

Concen: 48.353 ng

RT: 19.839 min Scan# 2865

Delta R.T. -0.006 min

Lab File: BM050391.D

Acq: 10 Jul 2025 15:57

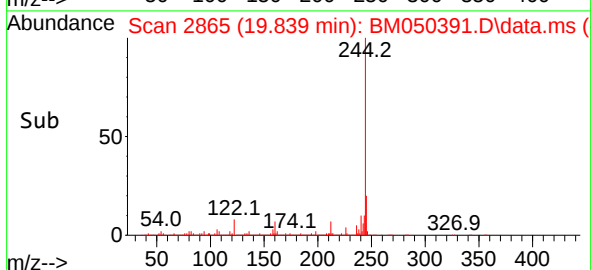
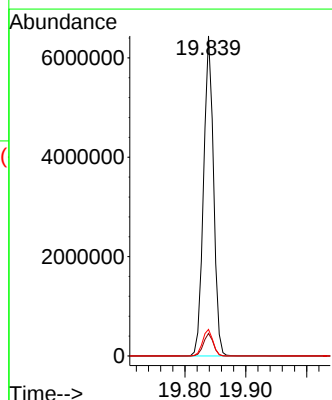
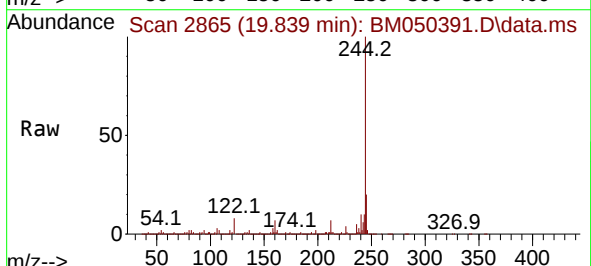
Tgt Ion:244 Resp: 7301537

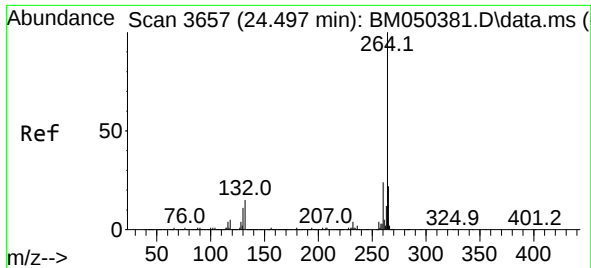
Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 8.3 6.2 9.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.491 min Scan# 30
 Delta R.T. -0.006 min
 Lab File: BM050391.D
 Acq: 10 Jul 2025 15:57

Instrument :
 BNA_M
 ClientSampleId :
 TP-98

Tgt Ion:264 Resp: 2652822
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.2 28.8
 265 21.8 17.8 26.6

