

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071125\
 Data File : BM050406.D
 Acq On : 11 Jul 2025 10:09
 Operator : RC/JU
 Sample : PB168787BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB168787BL

Quant Time: Jul 11 11:18:50 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)

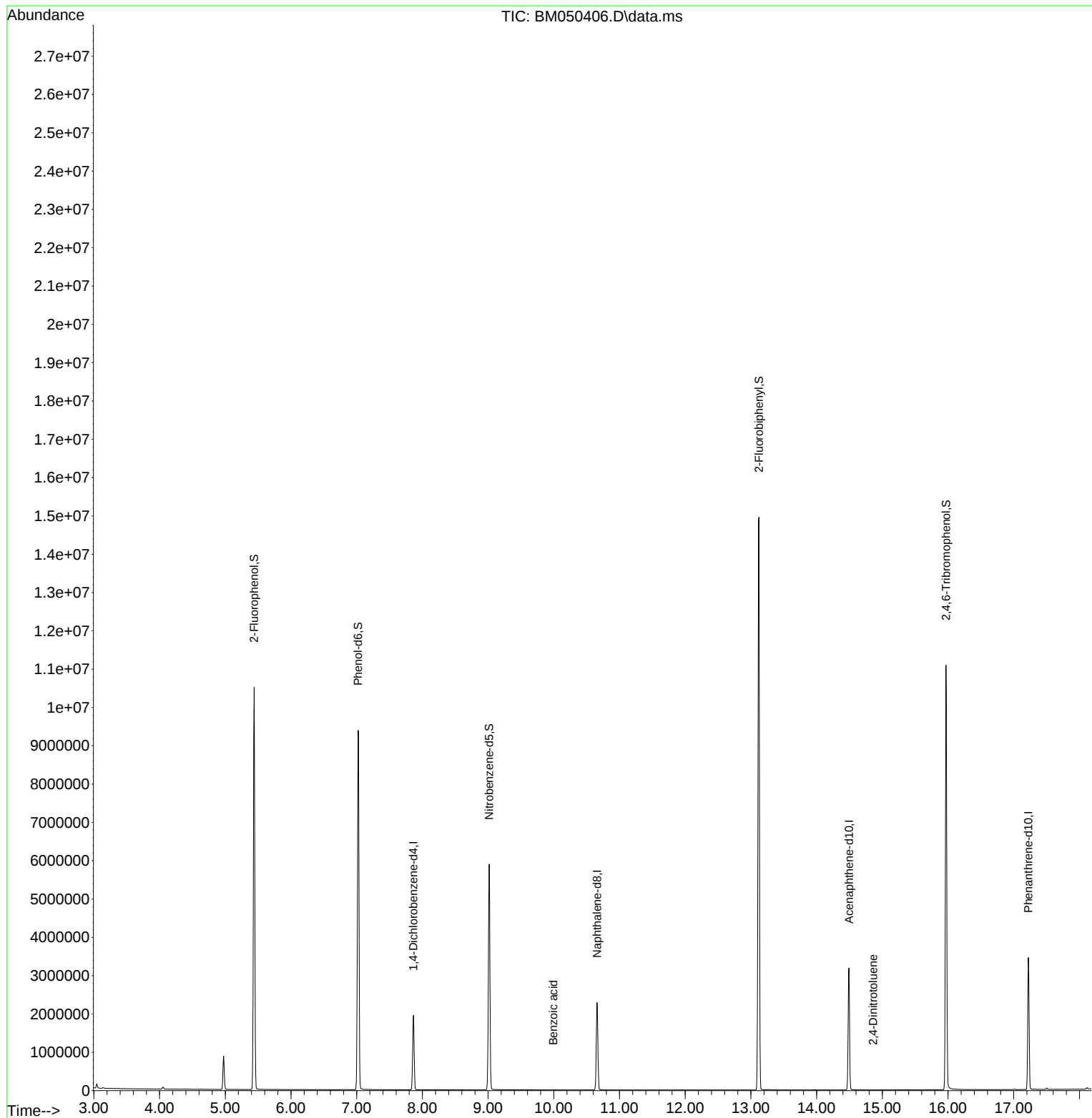
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	534059	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	1904372	20.000	ng	0.00
39) Acenaphthene-d10	14.492	164	1147168	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	2066785	20.000	ng	0.00
76) Chrysene-d12	21.450	240	1707427	20.000	ng	0.00
86) Perylene-d12	24.491	264	1735951	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	4480710	144.417	ng	0.00
7) Phenol-d6	7.022	99	5526733	141.306	ng	0.00
23) Nitrobenzene-d5	9.016	82	3238003	86.746	ng	0.00
42) 2,4,6-Tribromophenol	15.968	330	2129653	152.793	ng	0.00
45) 2-Fluorobiphenyl	13.121	172	8168272	87.932	ng	0.00
79) Terphenyl-d14	19.839	244	10401621	107.186	ng	0.00
Target Compounds						
32) Benzoic acid	9.992	122	53	5.977	ng	# 18
57) 2,4-Dinitrotoluene	14.863	165	65	2.727	ng	# 25

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

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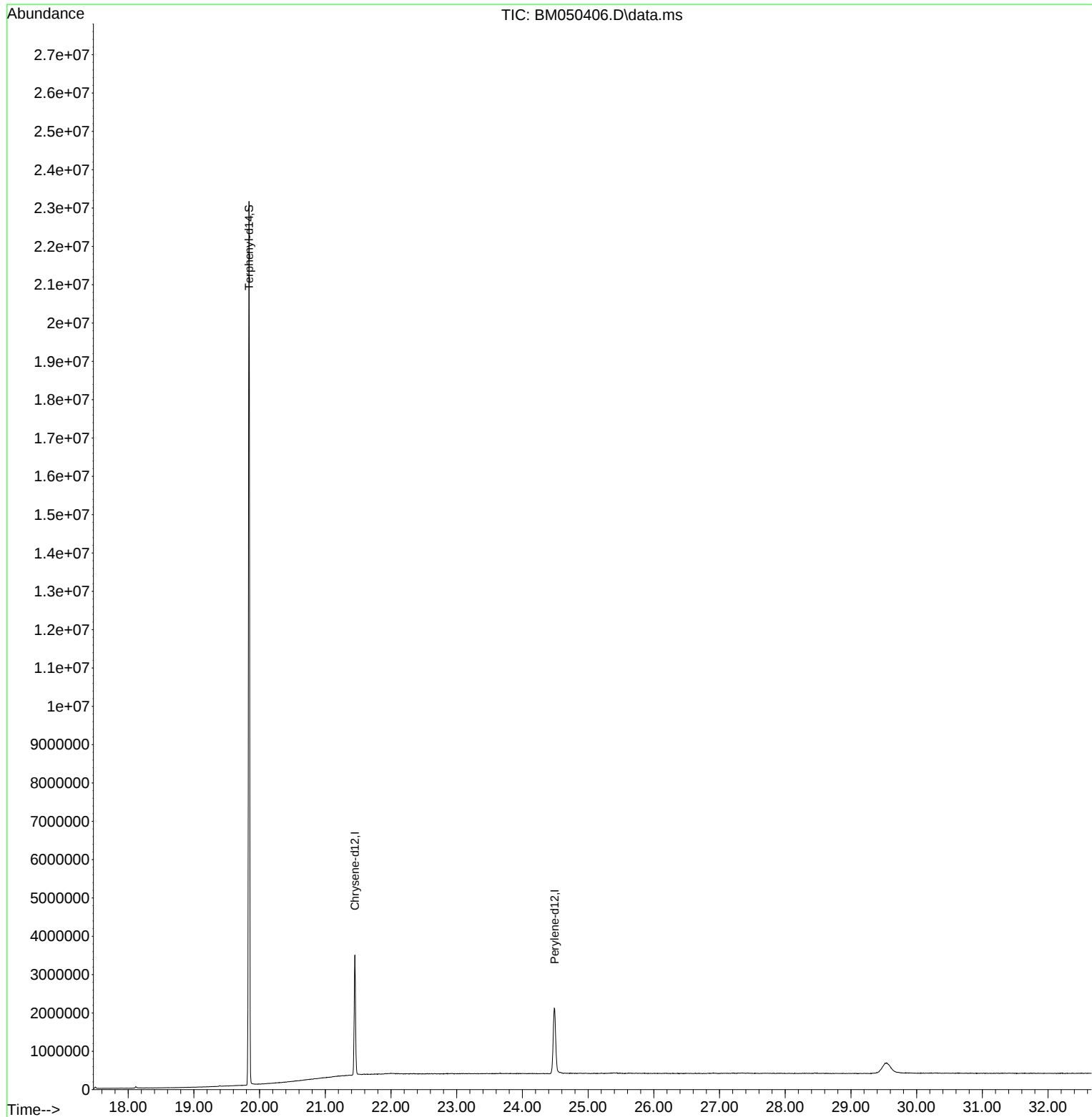
Quant Time: Jul 11 11:18:50 2025
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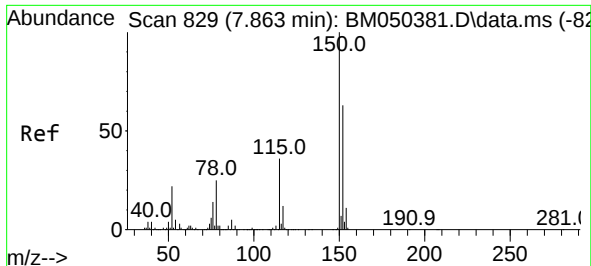


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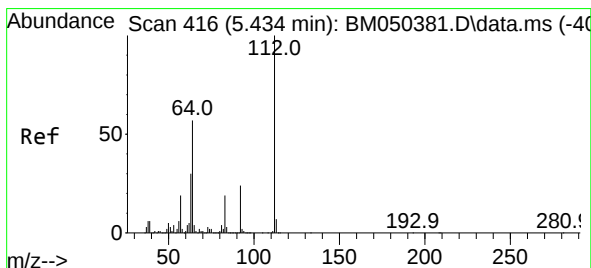
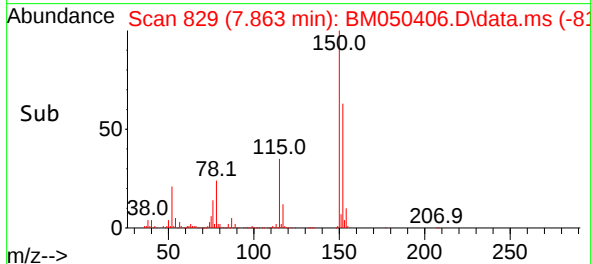
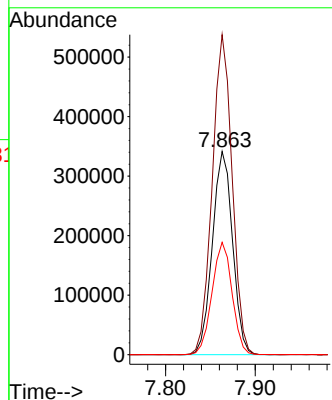
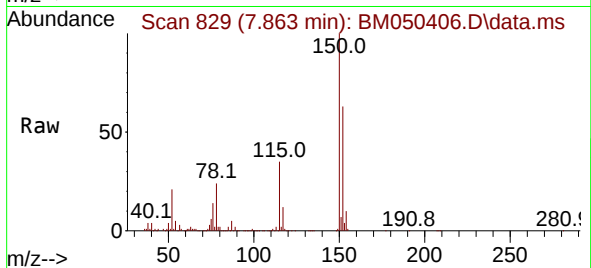




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.863 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BM050406.D
 Acq: 11 Jul 2025 10:09

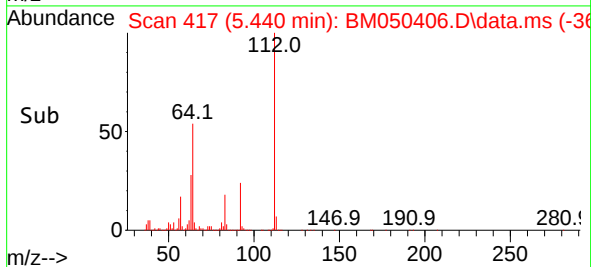
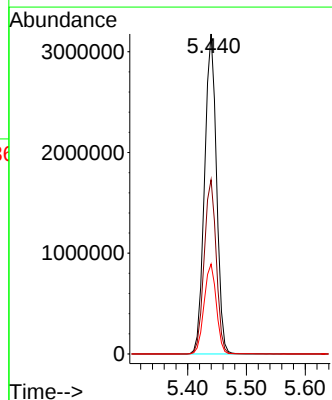
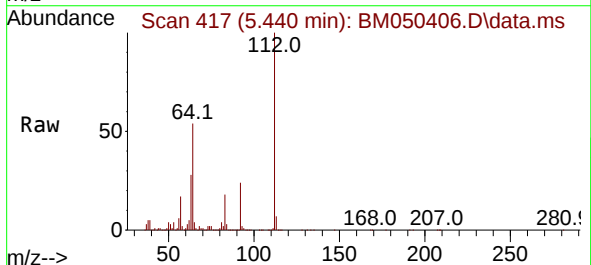
Instrument :
 BNA_M
 ClientSampleId :
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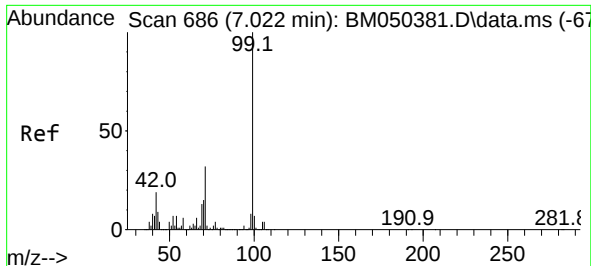
Tgt Ion:152 Resp: 534059
 Ion Ratio Lower Upper
 152 100
 150 157.5 126.2 189.4
 115 55.3 45.8 68.8



#5
 2-Fluorophenol
 Concen: 144.417 ng
 RT: 5.440 min Scan# 417
 Delta R.T. 0.006 min
 Lab File: BM050406.D
 Acq: 11 Jul 2025 10:09

Tgt Ion:112 Resp: 4480710
 Ion Ratio Lower Upper
 112 100
 64 54.4 45.5 68.3
 63 28.1 24.2 36.4

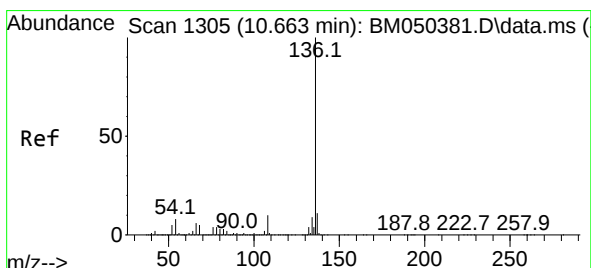
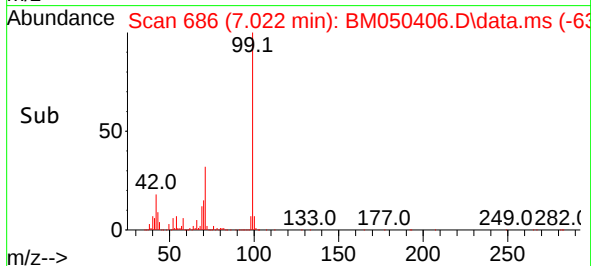
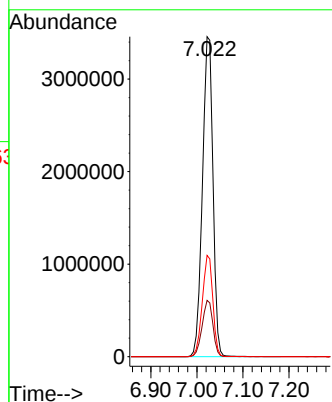
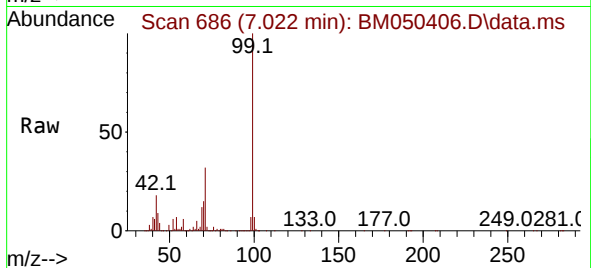




#7
Phenol-d6
Concen: 141.306 ng
RT: 7.022 min Scan# 686
Delta R.T. 0.000 min
Lab File: BM050406.D
Acq: 11 Jul 2025 10:09

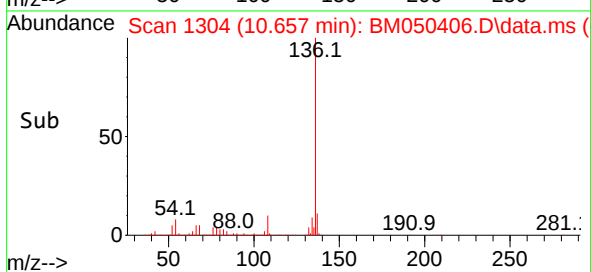
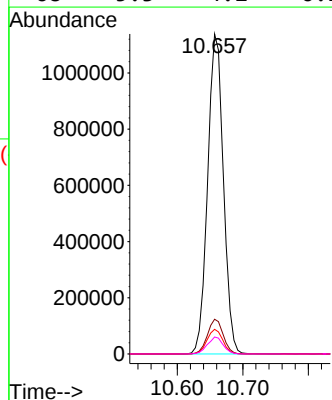
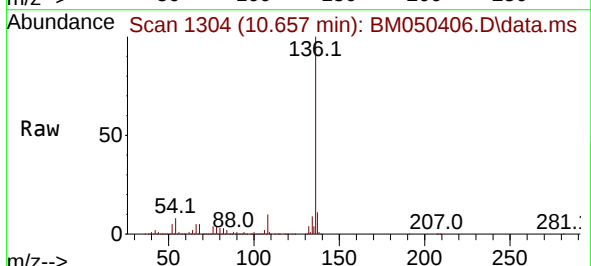
Instrument :
BNA_M
ClientSampleId :
PB168787BL

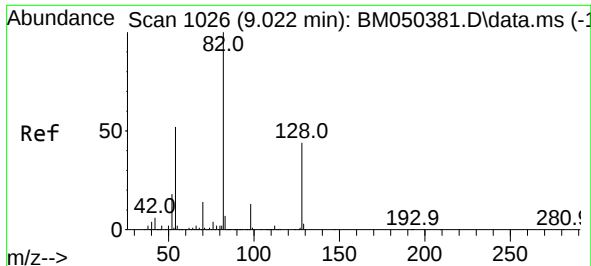
Tgt Ion: 99 Resp: 5526733
Ion Ratio Lower Upper
99 100
42 17.6 15.0 22.6
71 31.7 25.9 38.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BM050406.D
Acq: 11 Jul 2025 10:09

Tgt Ion:136 Resp: 1904372
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.7 6.3 9.5
68 5.3 4.2 6.2

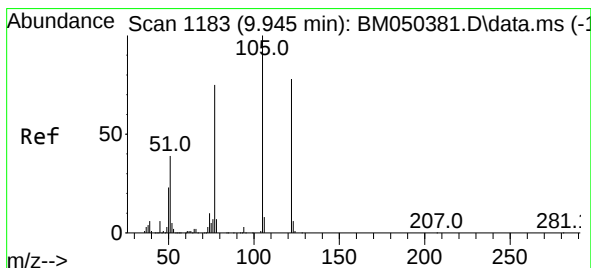
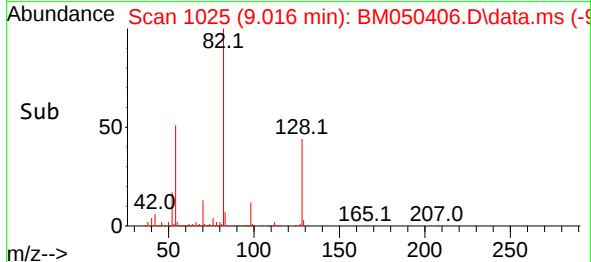
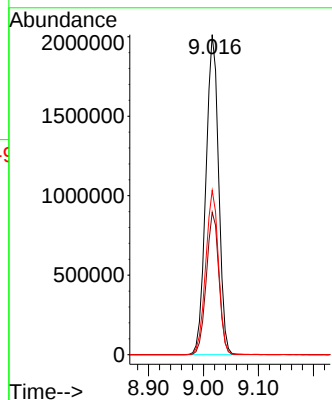
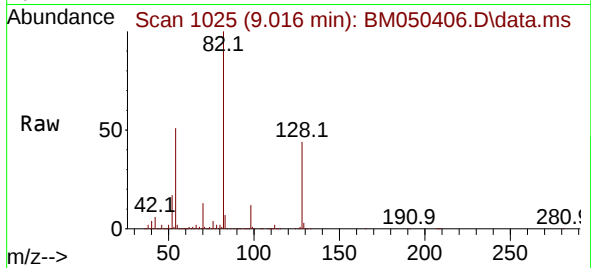




#23
Nitrobenzene-d5
Concen: 86.746 ng
RT: 9.016 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BM050406.D
Acq: 11 Jul 2025 10:09

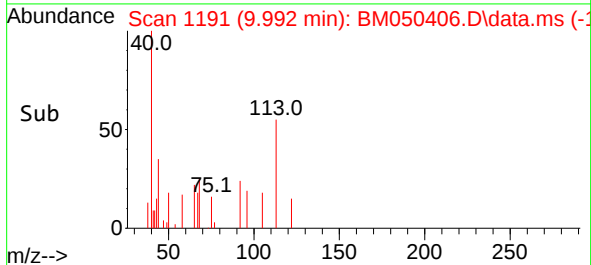
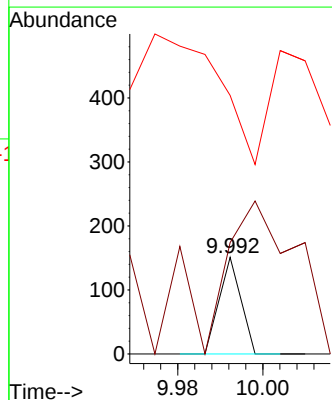
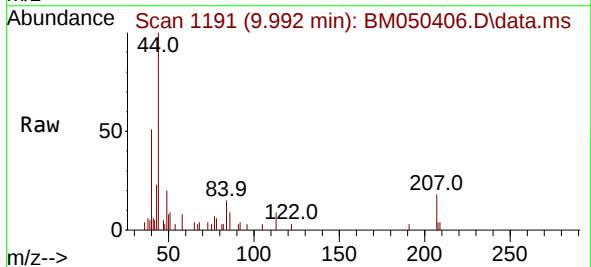
Instrument :
BNA_M
ClientSampleId :
PB168787BL

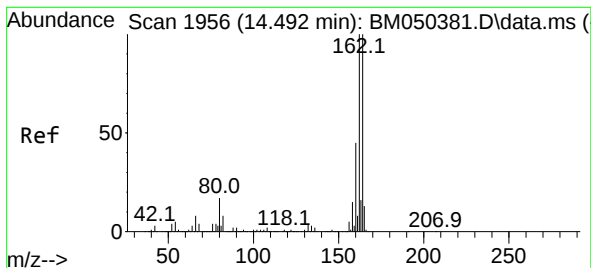
Tgt Ion: 82 Resp: 3238003
Ion Ratio Lower Upper
82 100
128 44.5 35.2 52.8
54 51.3 41.5 62.3



#32
Benzoic acid
Concen: 5.977 ng
RT: 9.992 min Scan# 1191
Delta R.T. 0.047 min
Lab File: BM050406.D
Acq: 11 Jul 2025 10:09

Tgt Ion:122 Resp: 53
Ion Ratio Lower Upper
122 100
105 115.2 104.0 144.0
77 267.5 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: BM050406.D

Acq: 11 Jul 2025 10:09

Instrument :

BNA_M

ClientSampleId :

PB168787BL

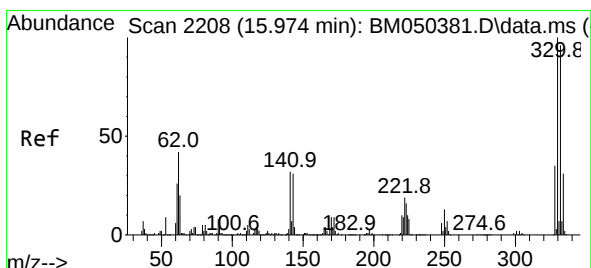
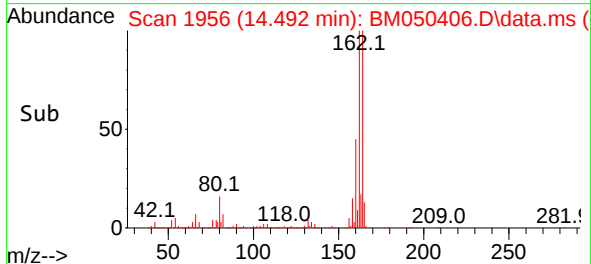
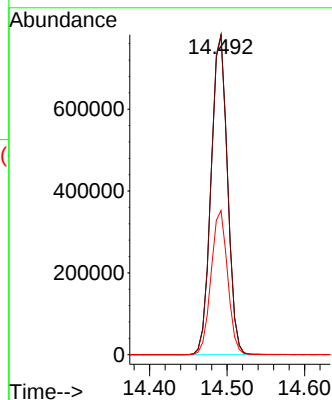
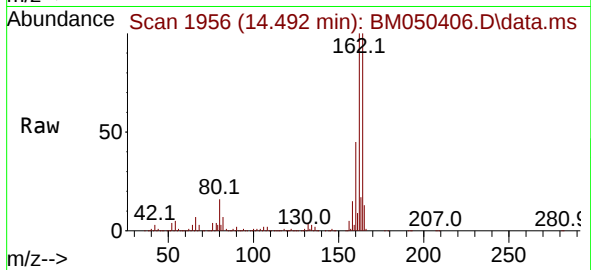
Tgt Ion:164 Resp: 1147168

Ion Ratio Lower Upper

164 100

162 100.3 79.9 119.9

160 45.2 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 152.793 ng

RT: 15.968 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BM050406.D

Acq: 11 Jul 2025 10:09

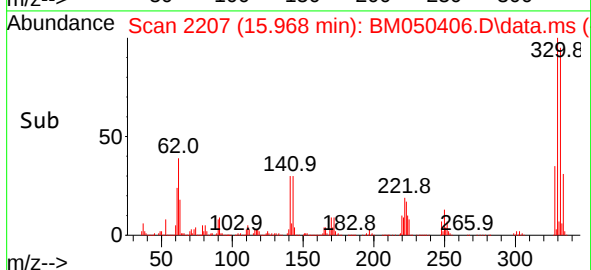
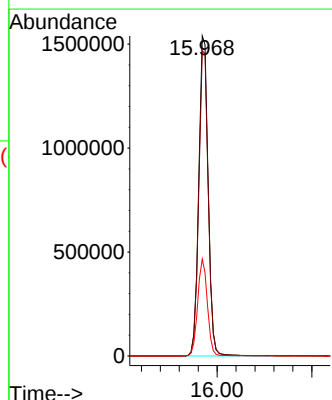
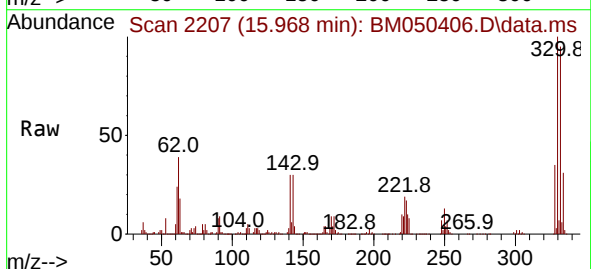
Tgt Ion:330 Resp: 2129653

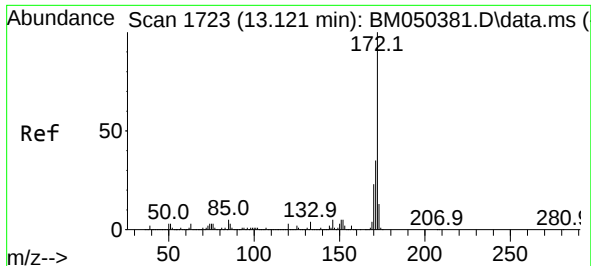
Ion Ratio Lower Upper

330 100

332 96.0 76.9 115.3

141 31.2 27.4 41.0

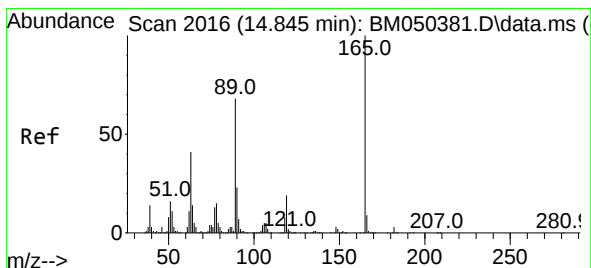
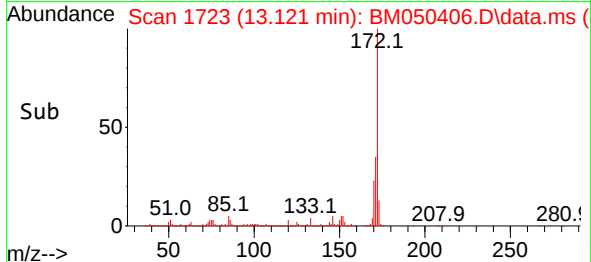
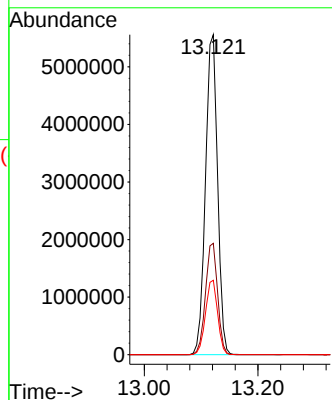
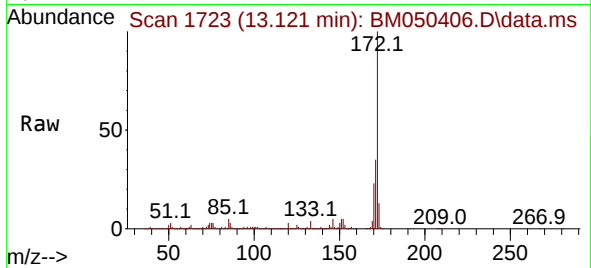




#45
2-Fluorobiphenyl
Concen: 87.932 ng
RT: 13.121 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050406.D
Acq: 11 Jul 2025 10:09

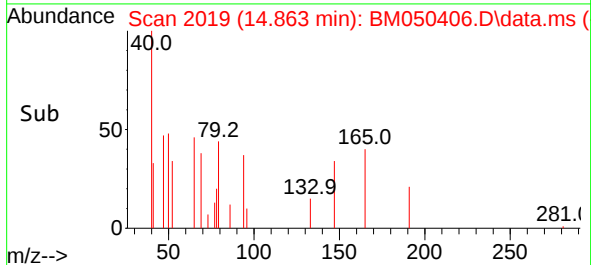
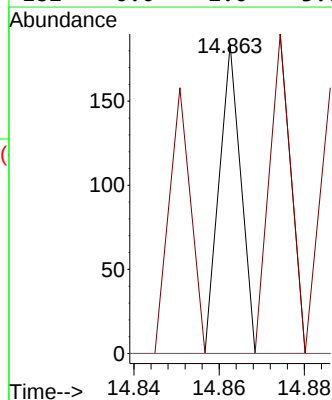
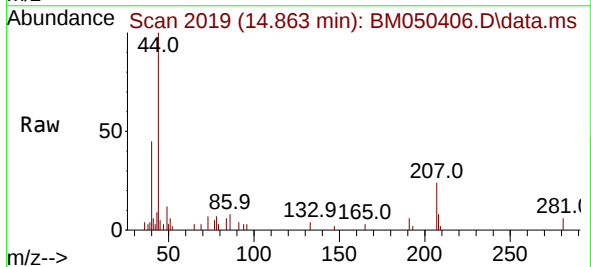
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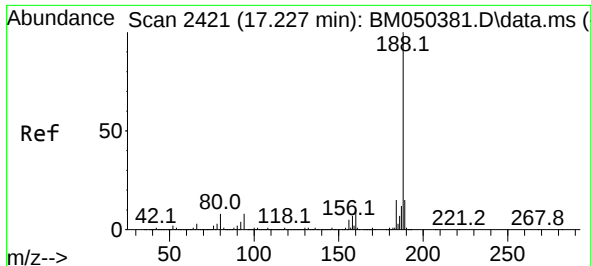
Tgt Ion:172 Resp: 8168272
Ion Ratio Lower Upper
172 100
171 34.8 27.7 41.5
170 23.3 18.8 28.2



#57
2,4-Dinitrotoluene
Concen: 2.727 ng
RT: 14.863 min Scan# 2019
Delta R.T. 0.018 min
Lab File: BM050406.D
Acq: 11 Jul 2025 10:09

Tgt Ion:165 Resp: 65
Ion Ratio Lower Upper
165 100
63 0.0 32.5 48.7#
89 0.0 54.0 81.0#
182 0.0 2.0 3.0#

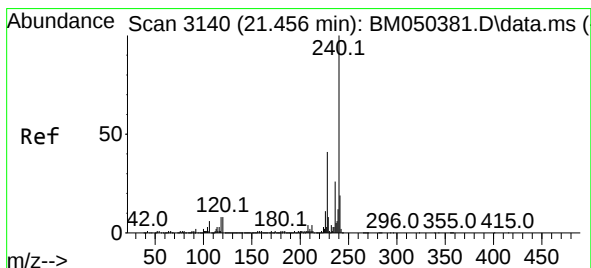
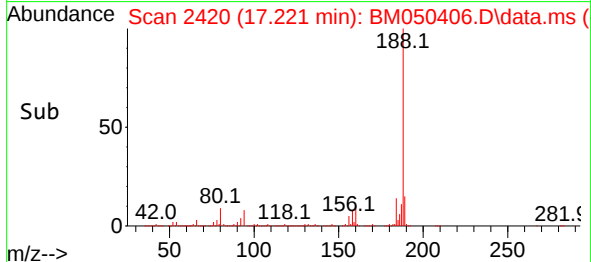
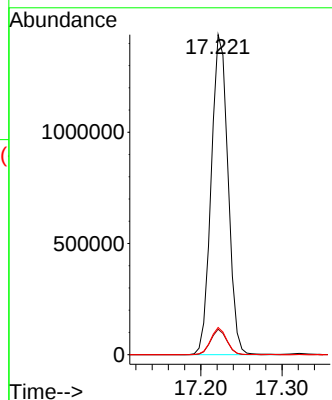
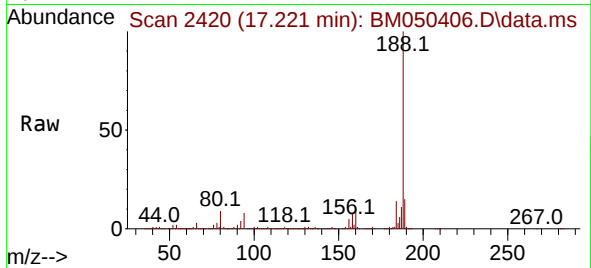




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.221 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM050406.D
Acq: 11 Jul 2025 10:09

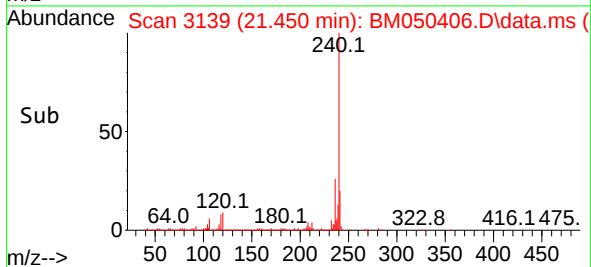
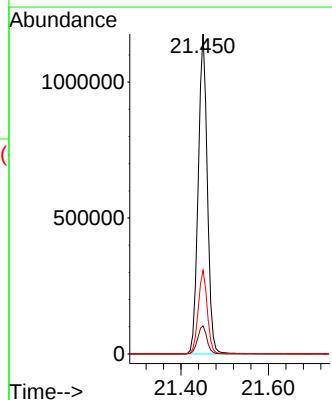
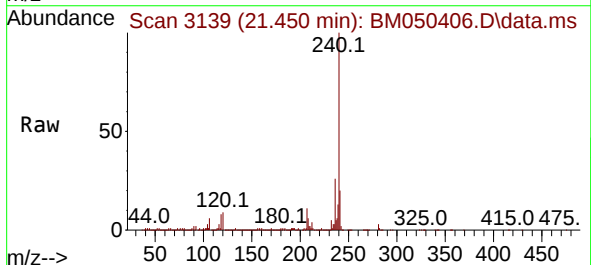
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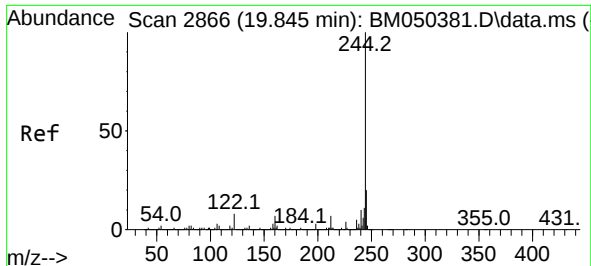
Tgt Ion:188 Resp: 2066785
Ion Ratio Lower Upper
188 100
94 8.0 6.0 9.0
80 8.5 6.5 9.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.450 min Scan# 3139
Delta R.T. -0.006 min
Lab File: BM050406.D
Acq: 11 Jul 2025 10:09

Tgt Ion:240 Resp: 1707427
Ion Ratio Lower Upper
240 100
120 8.8 6.7 10.1
236 26.2 20.7 31.1

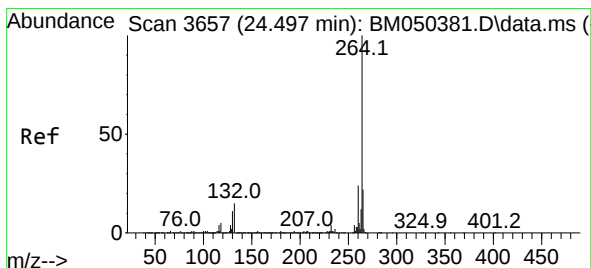
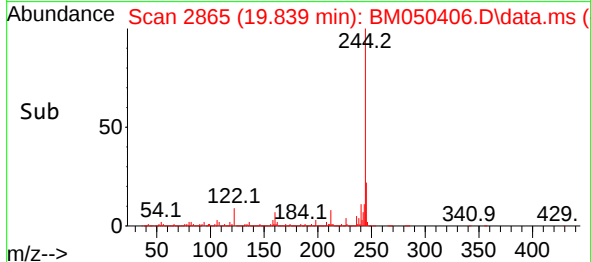
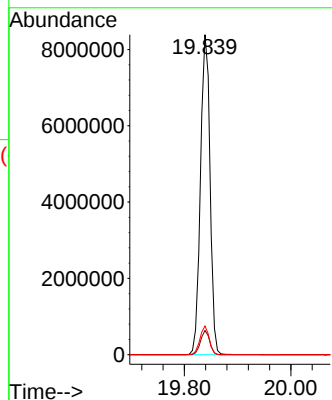
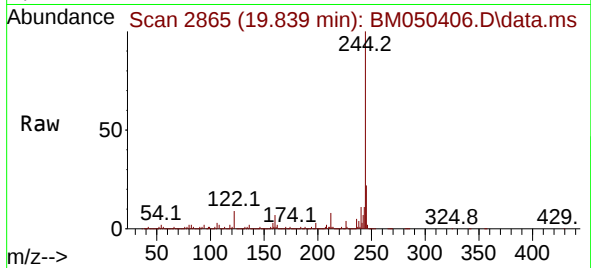




#79
 Terphenyl-d14
 Concen: 107.186 ng
 RT: 19.839 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM050406.D
 Acq: 11 Jul 2025 10:09

Instrument :
 BNA_M
 ClientSampleId :
 PB168787BL

Tgt Ion:244 Resp:10401621
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.7 8.5
 122 8.9 6.2 9.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.491 min Scan# 3656
 Delta R.T. -0.006 min
 Lab File: BM050406.D
 Acq: 11 Jul 2025 10:09

Tgt Ion:264 Resp: 1735951
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.2 28.8
 265 21.6 17.8 26.6

