

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071025\
 Data File : BM050402.D
 Acq On : 10 Jul 2025 23:19
 Operator : RC/JU
 Sample : Q2543-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-23

Quant Time: Jul 11 01:29:02 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)

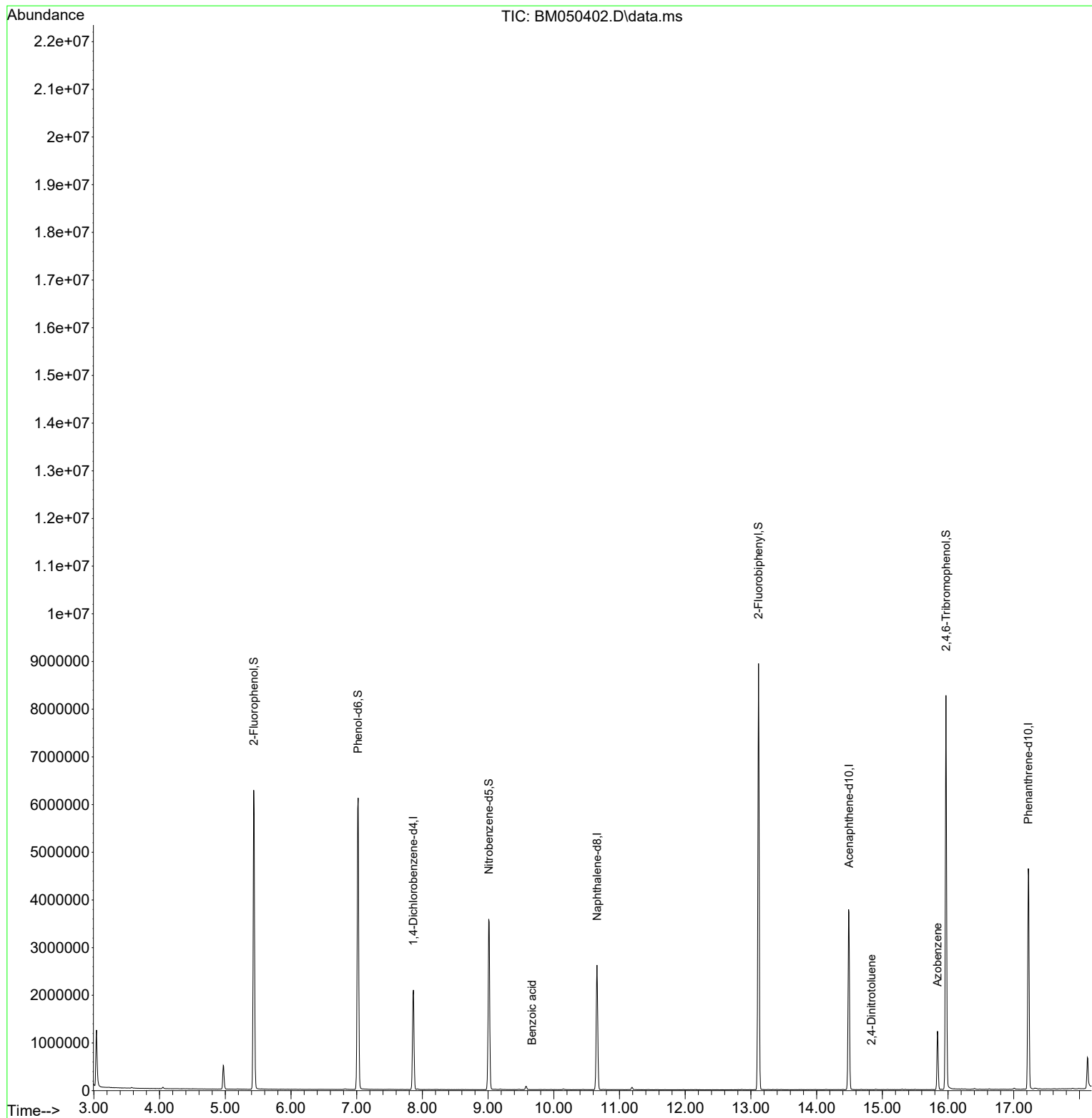
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	581438	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	2127796	20.000	ng	0.00
39) Acenaphthene-d10	14.492	164	1370947	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	2792859	20.000	ng	0.00
76) Chrysene-d12	21.445	240	3011882	20.000	ng	-0.01
86) Perylene-d12	24.485	264	2989154	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	2690025	79.637	ng	0.00
7) Phenol-d6	7.022	99	3422700	80.380	ng	0.00
23) Nitrobenzene-d5	9.010	82	1967751	47.181	ng	-0.01
42) 2,4,6-Tribromophenol	15.968	330	1458815	87.579	ng	0.00
45) 2-Fluorobiphenyl	13.116	172	4532154	40.825	ng	0.00
79) Terphenyl-d14	19.839	244	7976396	46.596	ng	0.00
Target Compounds						
32) Benzoic acid	9.669	122	53	5.977	ng	# 1
57) 2,4-Dinitrotoluene	14.833	165	66	2.726	ng	# 25
63) Azobenzene	15.839	77	327450	3.955	ng	# 1

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

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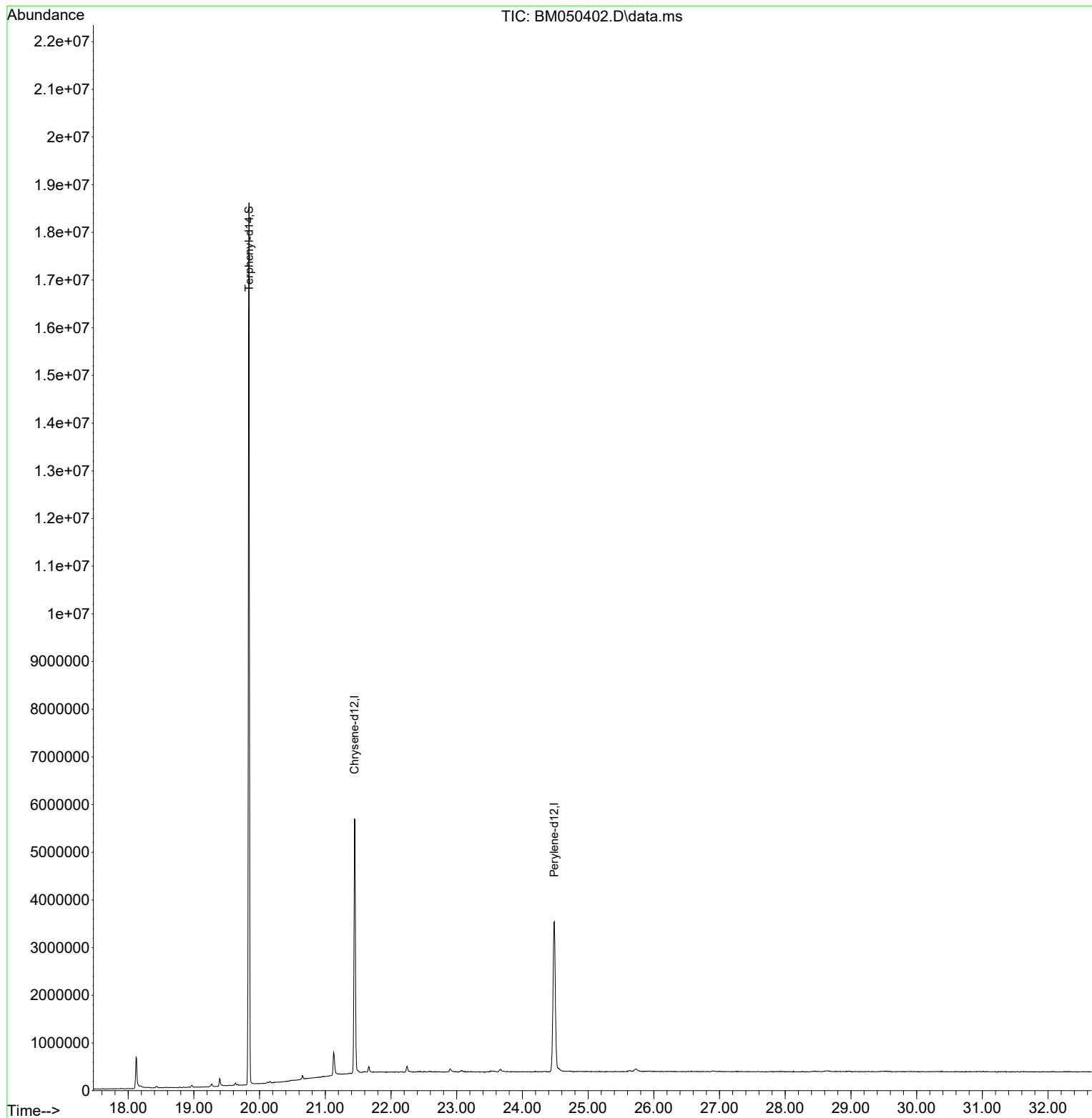
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

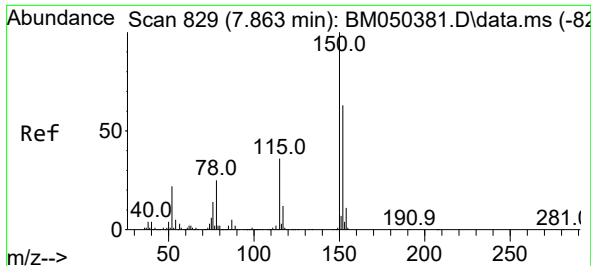


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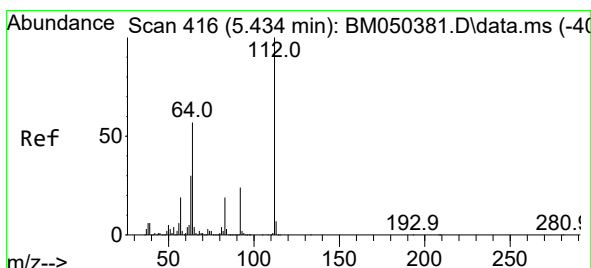
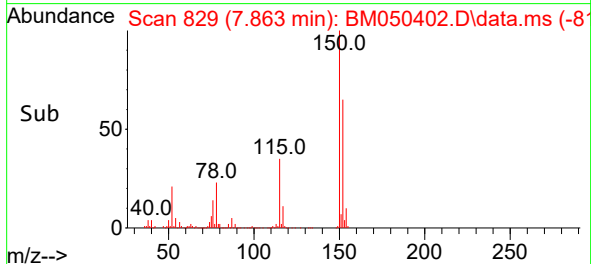
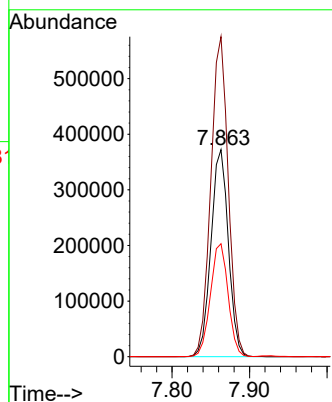
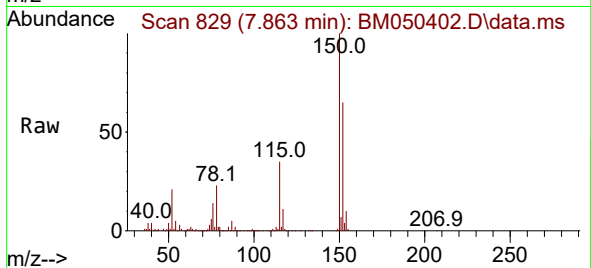




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.863 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BM050402.D
 Acq: 10 Jul 2025 23:19

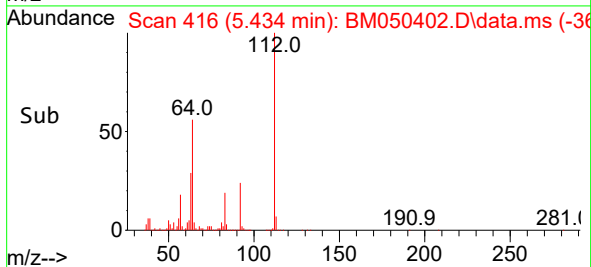
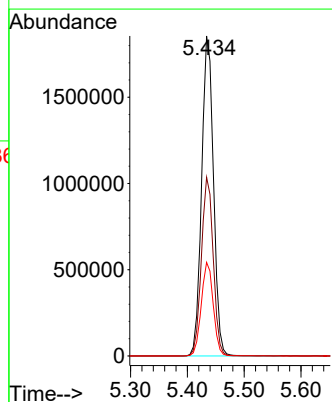
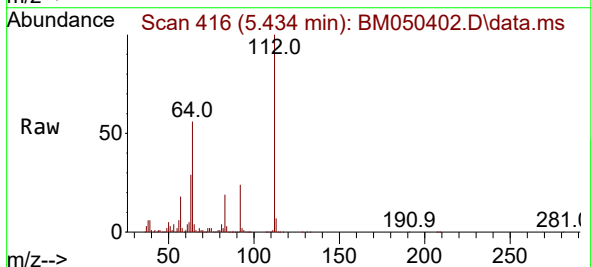
Instrument :
 BNA_M
 ClientSampleId :
 TP-23

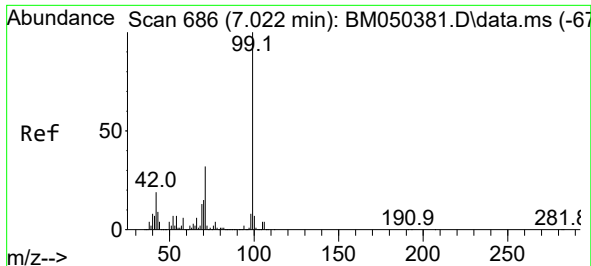
Tgt Ion:152 Resp: 581438
 Ion Ratio Lower Upper
 152 100
 150 154.6 126.2 189.4
 115 54.6 45.8 68.8



#5
 2-Fluorophenol
 Concen: 79.637 ng
 RT: 5.434 min Scan# 416
 Delta R.T. 0.000 min
 Lab File: BM050402.D
 Acq: 10 Jul 2025 23:19

Tgt Ion:112 Resp: 2690025
 Ion Ratio Lower Upper
 112 100
 64 55.9 45.5 68.3
 63 29.3 24.2 36.4

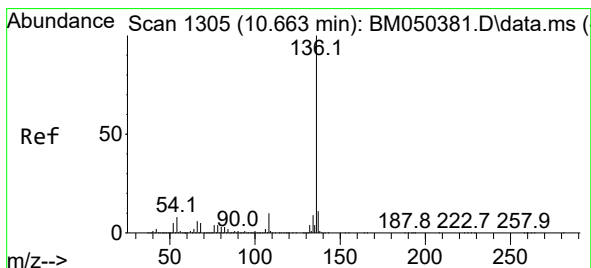
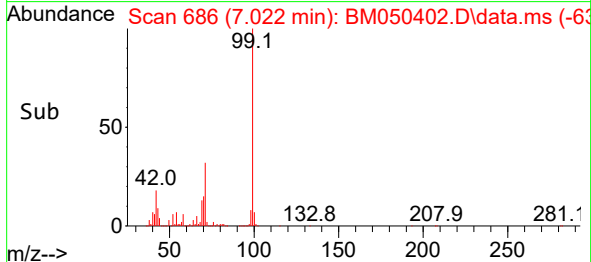
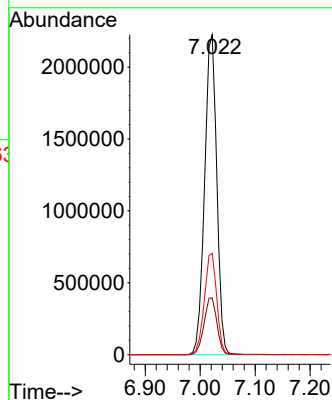
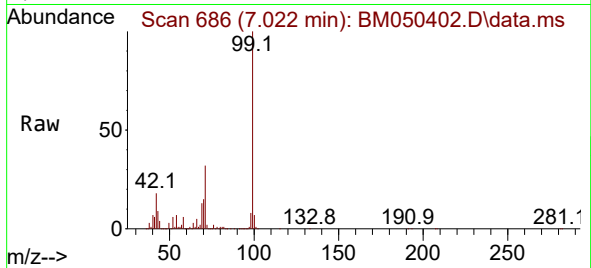




#7
Phenol-d6
Concen: 80.380 ng
RT: 7.022 min Scan# 686
Delta R.T. 0.000 min
Lab File: BM050402.D
Acq: 10 Jul 2025 23:19

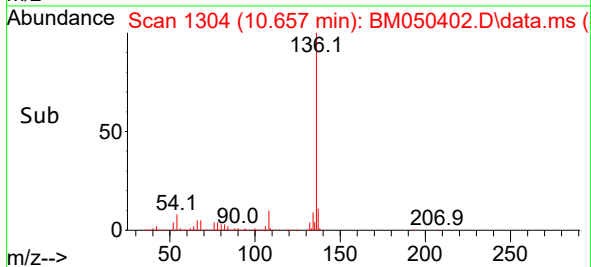
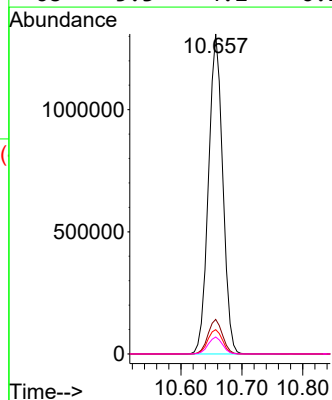
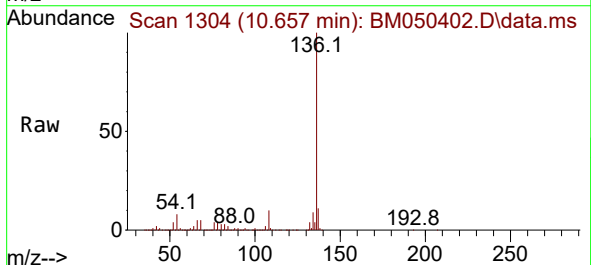
Instrument :
BNA_M
ClientSampleId :
TP-23

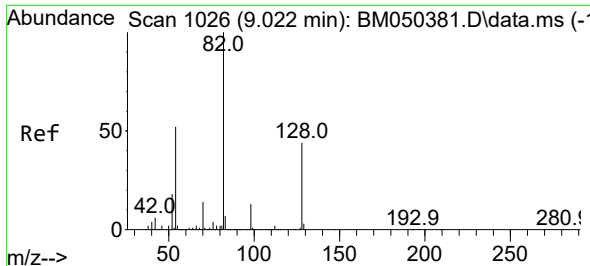
Tgt Ion: 99 Resp: 3422700
Ion Ratio Lower Upper
99 100
42 17.8 15.0 22.6
71 31.6 25.9 38.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BM050402.D
Acq: 10 Jul 2025 23:19

Tgt Ion:136 Resp: 2127796
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.6 6.3 9.5
68 5.3 4.2 6.2

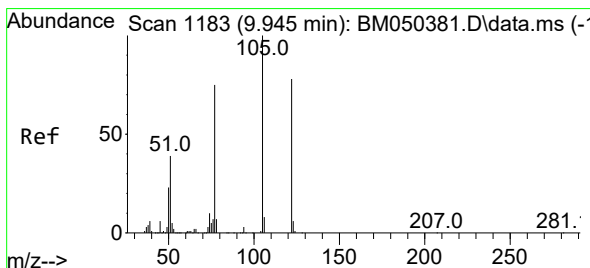
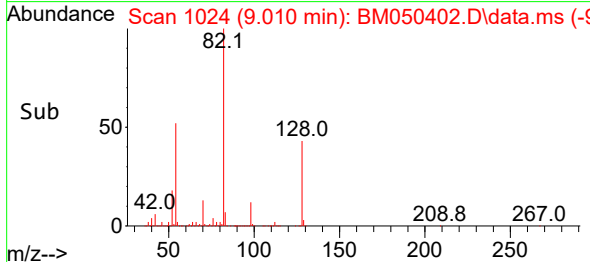
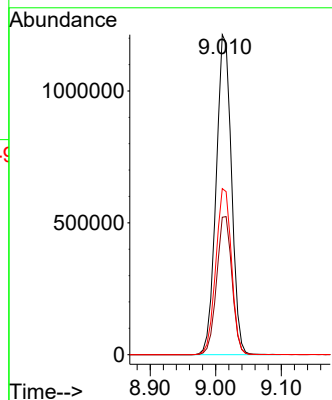
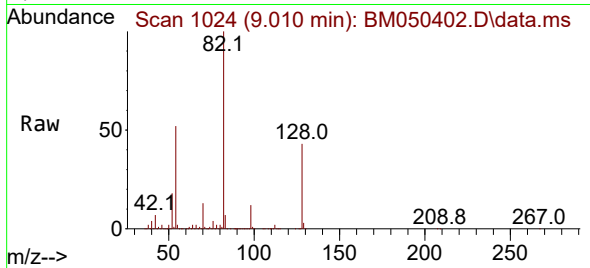




#23
Nitrobenzene-d5
Concen: 47.181 ng
RT: 9.010 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BM050402.D
Acq: 10 Jul 2025 23:19

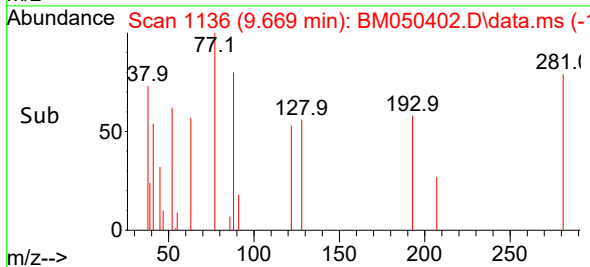
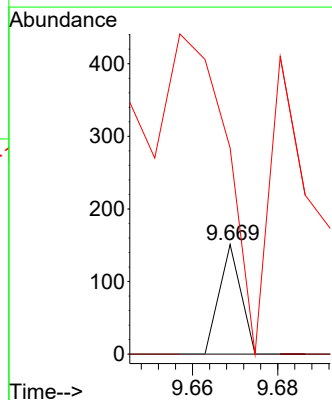
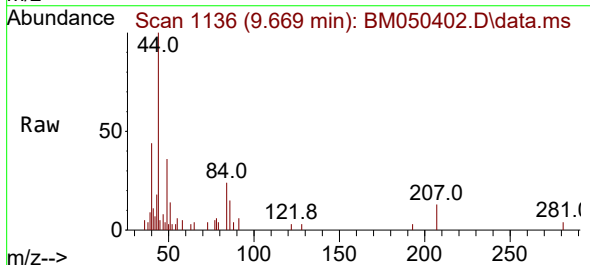
Instrument :
BNA_M
ClientSampleId :
TP-23

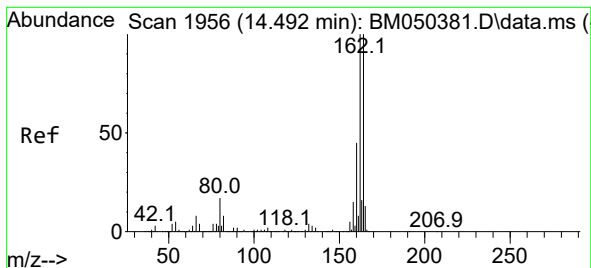
Tgt Ion: 82 Resp: 1967751
Ion Ratio Lower Upper
82 100
128 42.9 35.2 52.8
54 51.9 41.5 62.3



#32
Benzoic acid
Concen: 5.977 ng
RT: 9.669 min Scan# 1136
Delta R.T. -0.276 min
Lab File: BM050402.D
Acq: 10 Jul 2025 23:19

Tgt Ion:122 Resp: 53
Ion Ratio Lower Upper
122 100
105 0.0 104.0 144.0#
77 188.1 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: BM050402.D

Acq: 10 Jul 2025 23:19

Instrument :

BNA_M

ClientSampleId :

TP-23

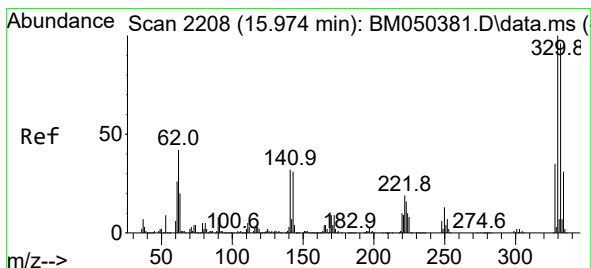
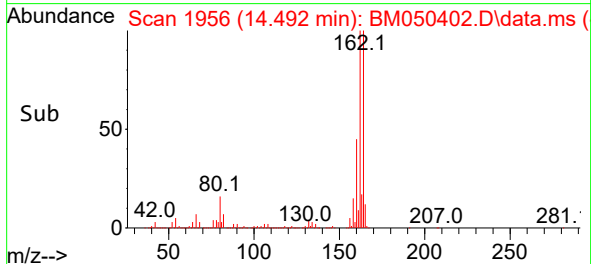
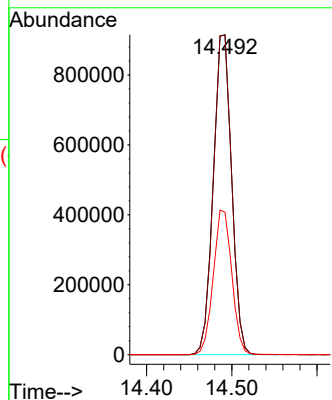
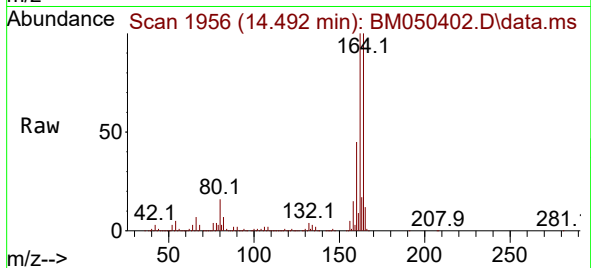
Tgt Ion:164 Resp: 1370947

Ion Ratio Lower Upper

164 100

162 99.8 79.9 119.9

160 44.5 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 87.579 ng

RT: 15.968 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BM050402.D

Acq: 10 Jul 2025 23:19

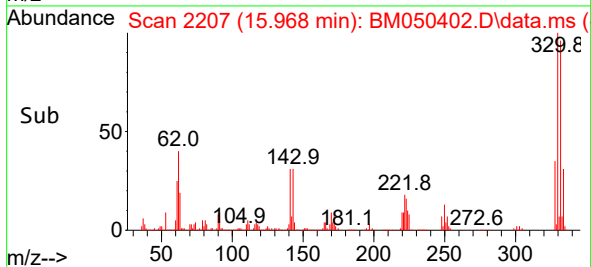
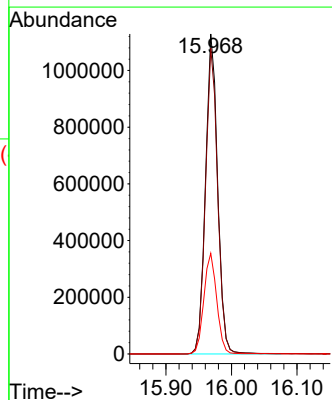
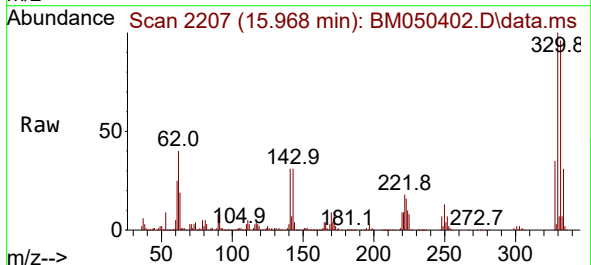
Tgt Ion:330 Resp: 1458815

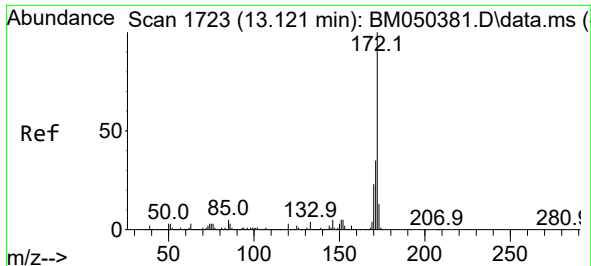
Ion Ratio Lower Upper

330 100

332 96.1 76.9 115.3

141 33.4 27.4 41.0

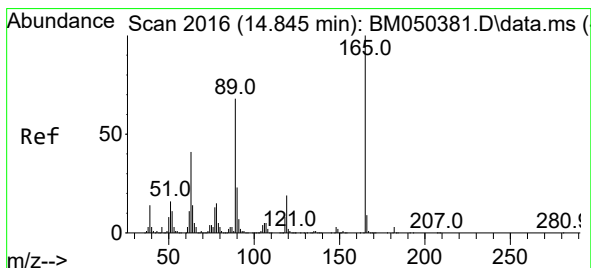
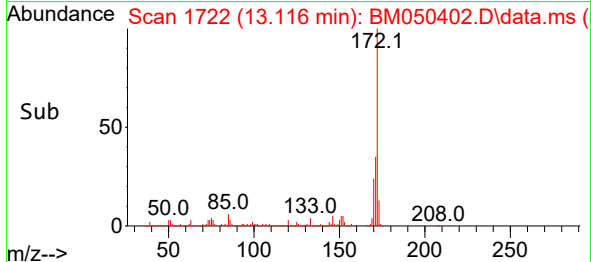
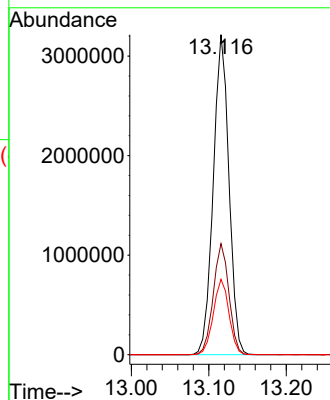
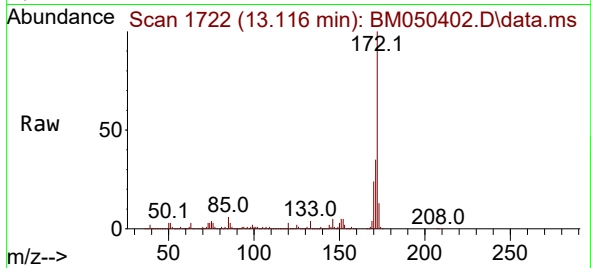




#45
2-Fluorobiphenyl
Concen: 40.825 ng
RT: 13.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050402.D
Acq: 10 Jul 2025 23:19

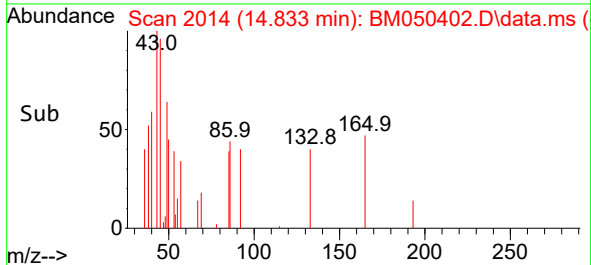
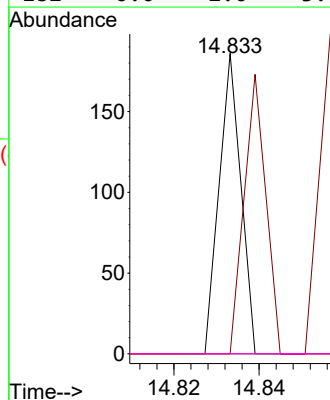
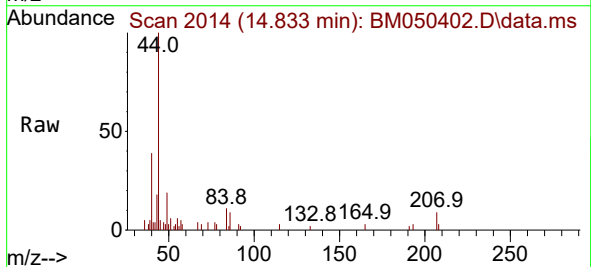
Instrument :
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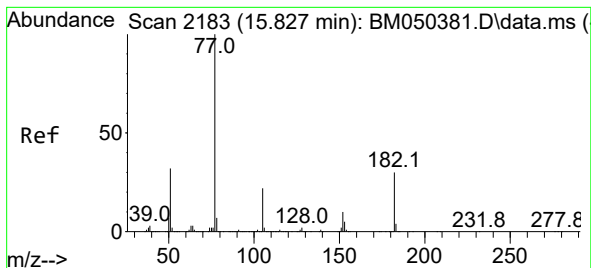
Tgt Ion:172 Resp: 4532154
Ion Ratio Lower Upper
172 100
171 34.7 27.7 41.5
170 23.5 18.8 28.2



#57
2,4-Dinitrotoluene
Concen: 2.726 ng
RT: 14.833 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BM050402.D
Acq: 10 Jul 2025 23:19

Tgt Ion:165 Resp: 66
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#





#63

Azobenzene

Concen: 3.955 ng

RT: 15.839 min Scan# 2183

Delta R.T. 0.012 min

Lab File: BM050402.D

Acq: 10 Jul 2025 23:19

Instrument :

BNA_M

ClientSampleId :

TP-23

Tgt Ion: 77 Resp: 327450

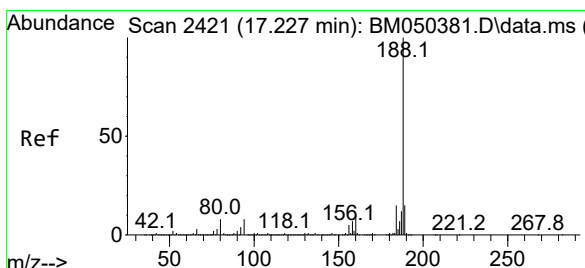
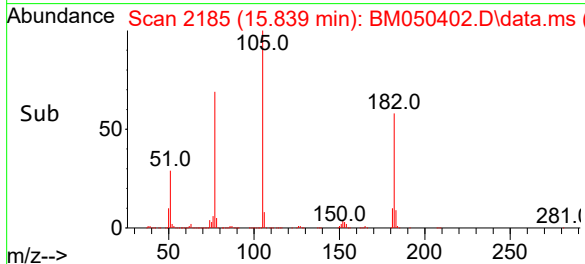
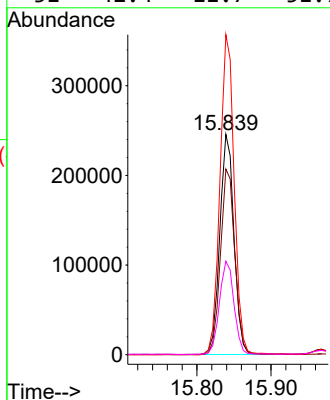
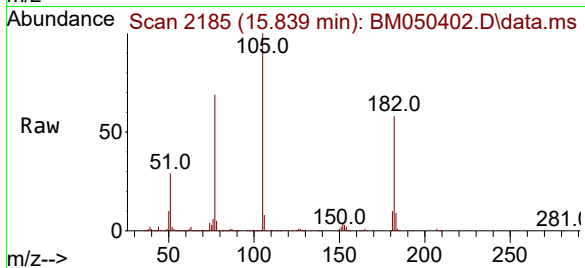
Ion Ratio Lower Upper

77 100

182 84.2 10.0 50.0#

105 145.3 2.0 42.0#

51 42.4 11.7 51.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.221 min Scan# 2420

Delta R.T. -0.006 min

Lab File: BM050402.D

Acq: 10 Jul 2025 23:19

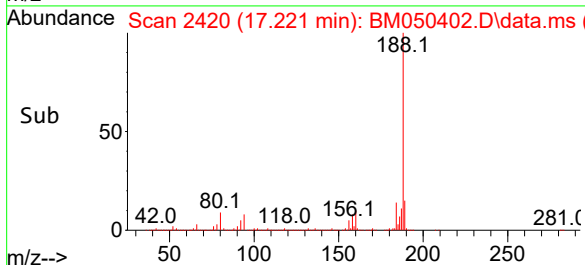
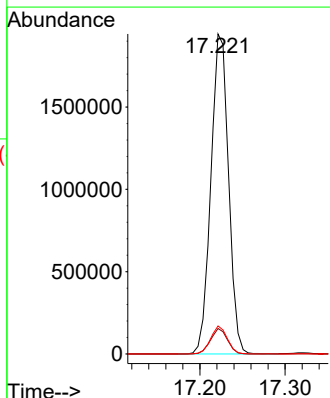
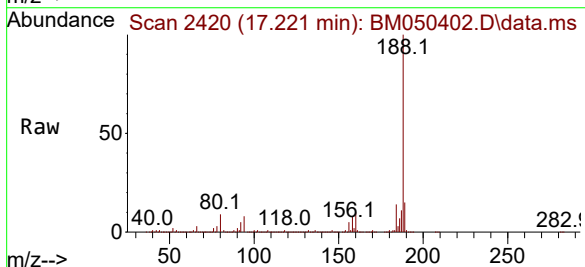
Tgt Ion:188 Resp: 2792859

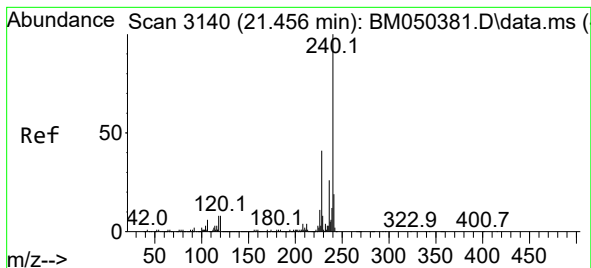
Ion Ratio Lower Upper

188 100

94 8.0 6.0 9.0

80 8.8 6.5 9.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.445 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM050402.D

Acq: 10 Jul 2025 23:19

Instrument :

BNA_M

ClientSampleId :

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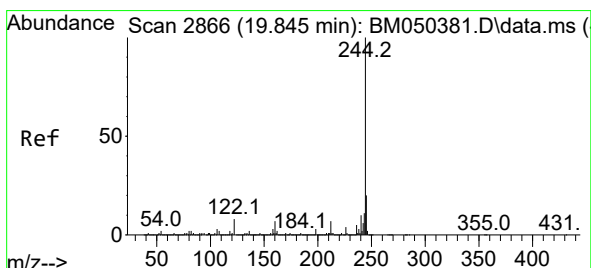
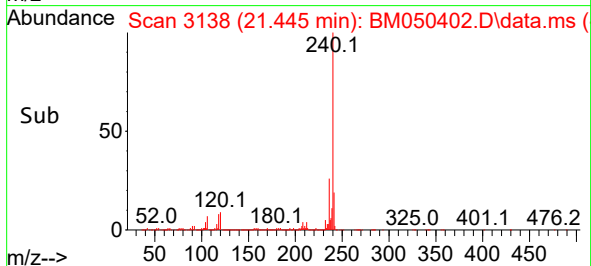
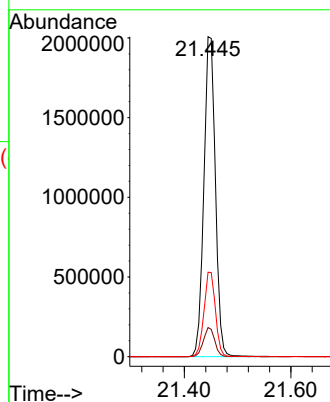
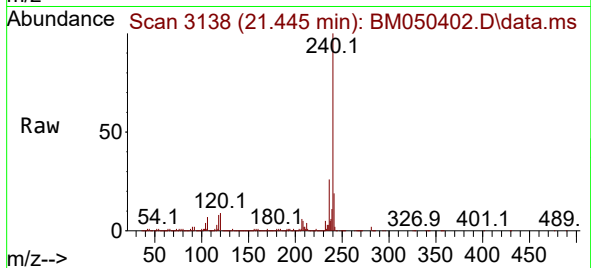
Tgt Ion:240 Resp: 3011882

Ion Ratio Lower Upper

240 100

120 9.1 6.7 10.1

236 26.4 20.7 31.1



#79

Terphenyl-d14

Concen: 46.596 ng

RT: 19.839 min Scan# 2865

Delta R.T. -0.006 min

Lab File: BM050402.D

Acq: 10 Jul 2025 23:19

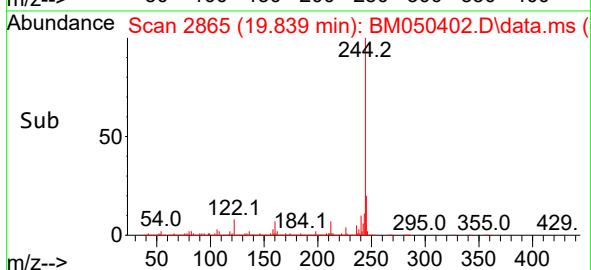
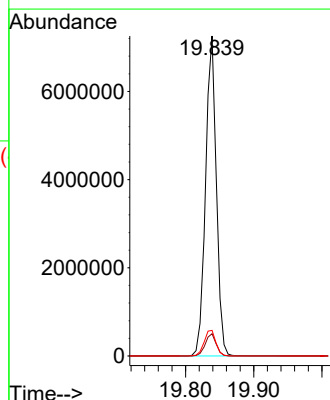
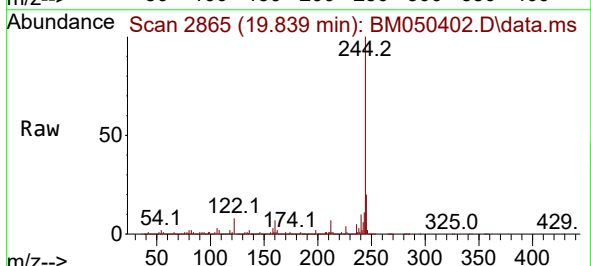
Tgt Ion:244 Resp: 7976396

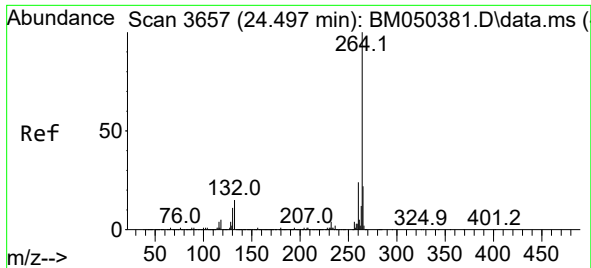
Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

122 8.0 6.2 9.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.485 min Scan# 30
 Delta R.T. -0.012 min
 Lab File: BM050402.D
 Acq: 10 Jul 2025 23:19

Instrument :
 BNA_M
 ClientSampleId :
 TP-23

Tgt Ion:264 Resp: 2989154

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.4	17.8	26.6

