

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
 Data File : BP025459.D
 Acq On : 18 Aug 2025 13:28
 Operator : CG/JU
 Sample : Q2838-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Aug 18 14:01:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

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

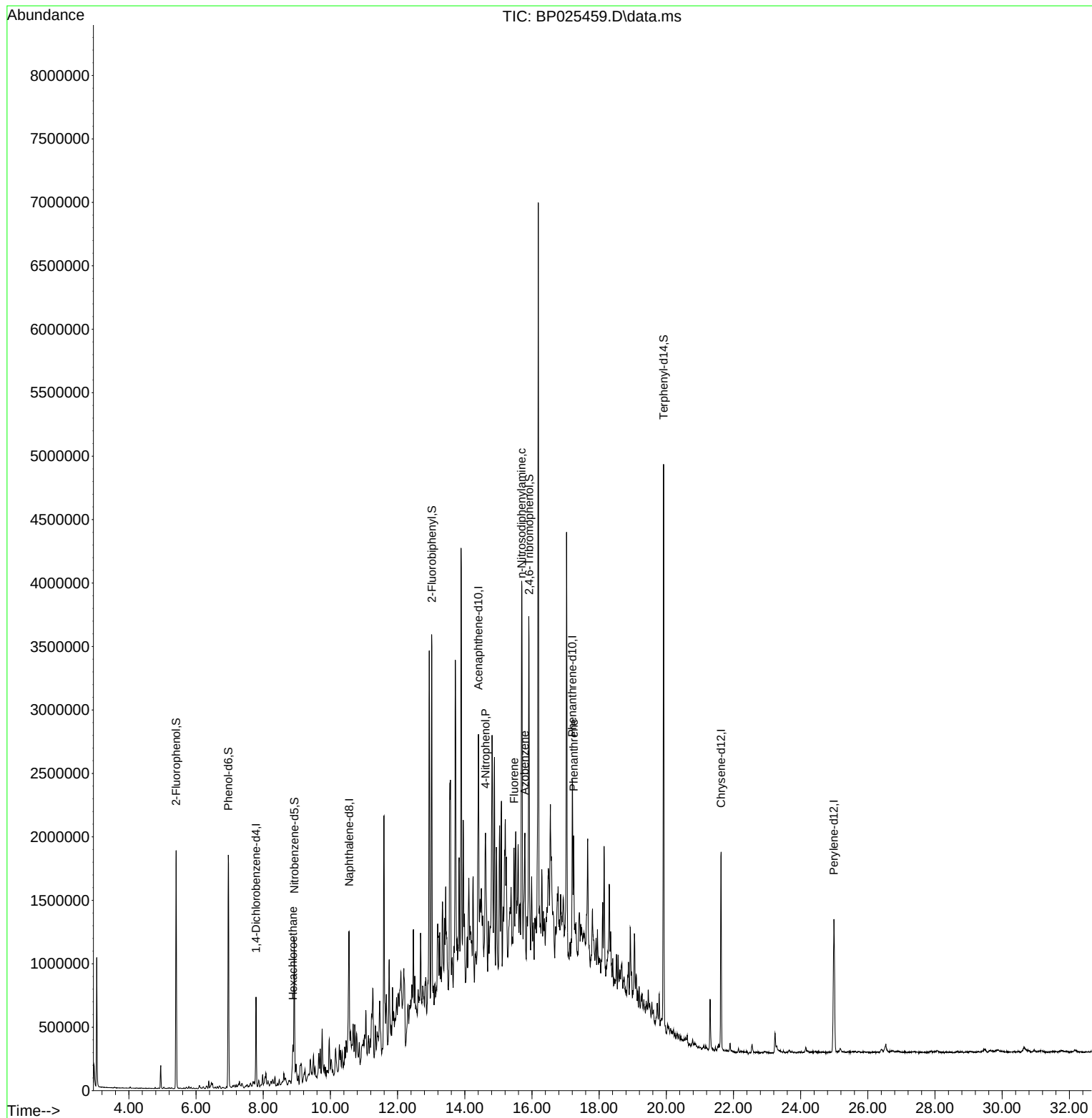
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	181951	20.000	ng	-0.01
21) Naphthalene-d8	10.554	136	688817	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	416860	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	812954	20.000	ng	# 0.00
76) Chrysene-d12	21.630	240	925285	20.000	ng	-0.02
86) Perylene-d12	24.989	264	1055443	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	822497	75.071	ng	0.00
7) Phenol-d6	6.961	99	1044855	74.383	ng	0.00
23) Nitrobenzene-d5	8.925	82	654238	48.046	ng	-0.01
42) 2,4,6-Tribromophenol	15.913	330	424380	75.634	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	1489873	48.846	ng	0.00
79) Terphenyl-d14	19.919	244	2386491	47.188	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	8.884	117	15772	3.078	ng	# 1
56) 4-Nitrophenol	14.619	139	56174	9.443	ng	# 60
58) Fluorene	15.466	166	118091	4.135	ng	# 86
63) Azobenzene	15.784	77	135278	5.093	ng	# 1
66) n-Nitrosodiphenylamine	15.689	169	242046	9.764	ng	# 46
71) Phenanthrene	17.242	178	402795	9.020	ng	# 95

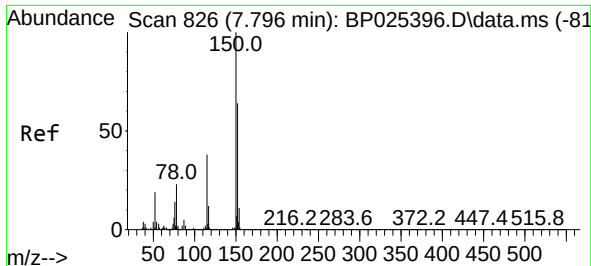
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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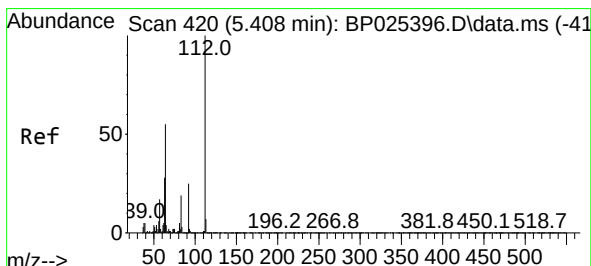
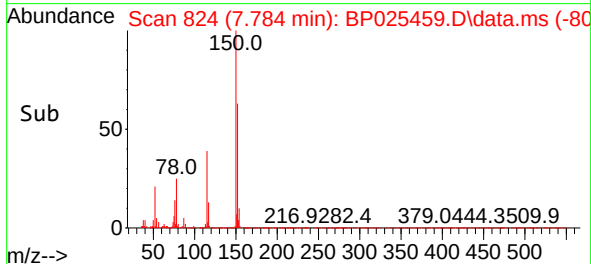
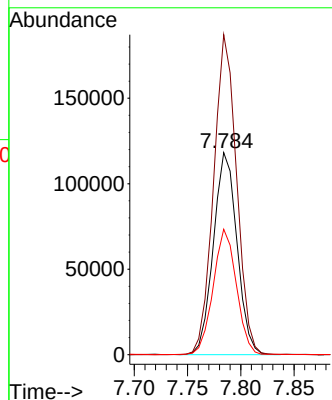
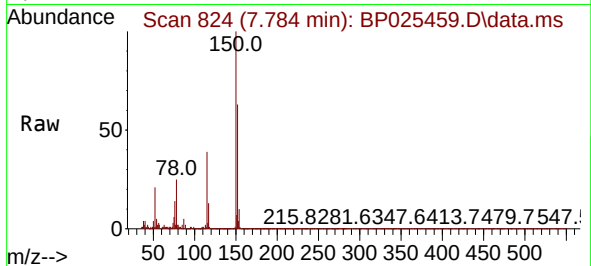




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025459.D
Acq: 18 Aug 2025 13:28

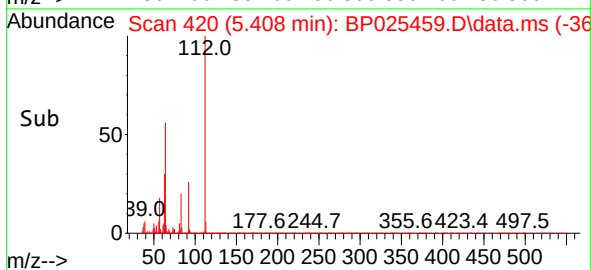
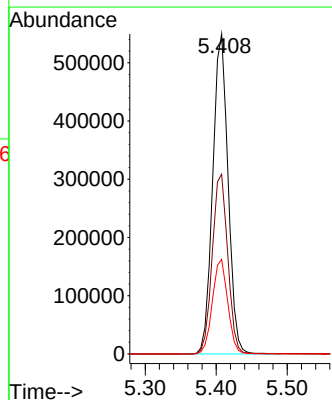
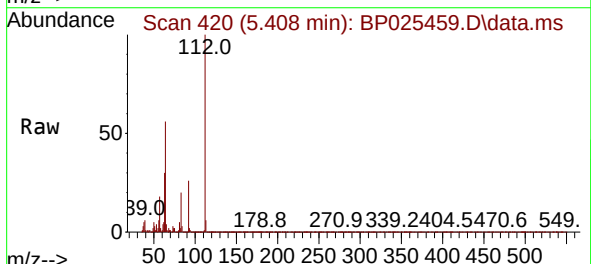
Instrument :
BNA_P
ClientSampleId :

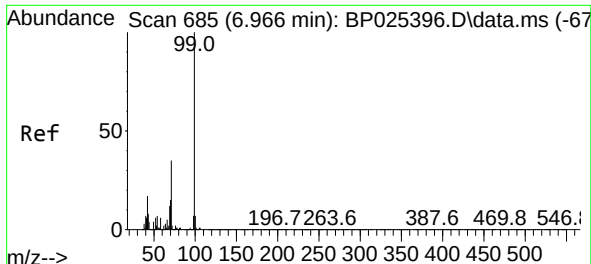
Tgt Ion:152 Resp: 181951
Ion Ratio Lower Upper
152 100
150 158.4 125.9 188.9
115 62.1 48.5 72.7



#5
2-Fluorophenol
Concen: 75.071 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025459.D
Acq: 18 Aug 2025 13:28

Tgt Ion:112 Resp: 822497
Ion Ratio Lower Upper
112 100
64 56.2 43.8 65.8
63 29.6 22.7 34.1

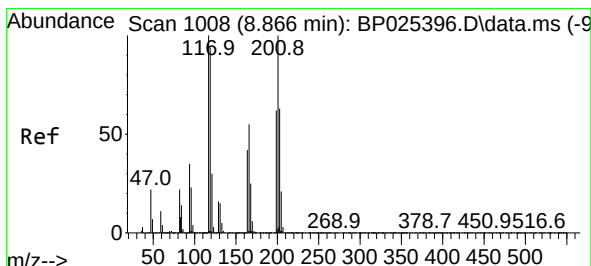
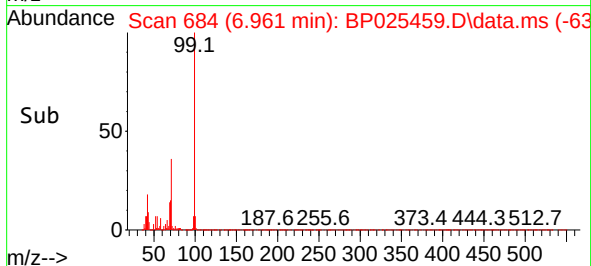
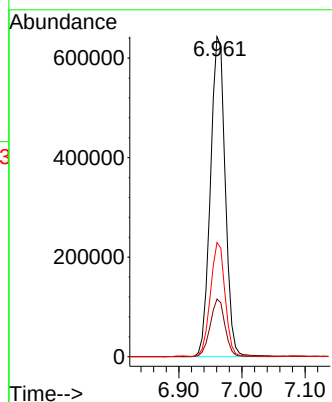
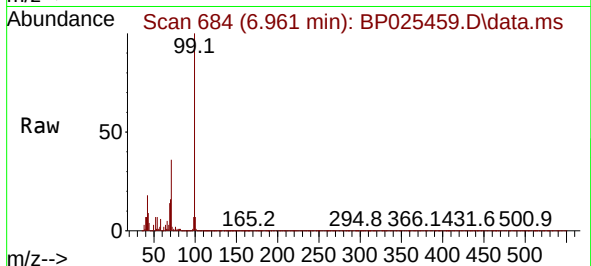




#7
Phenol-d6
Concen: 74.383 ng
RT: 6.961 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025459.D
Acq: 18 Aug 2025 13:28

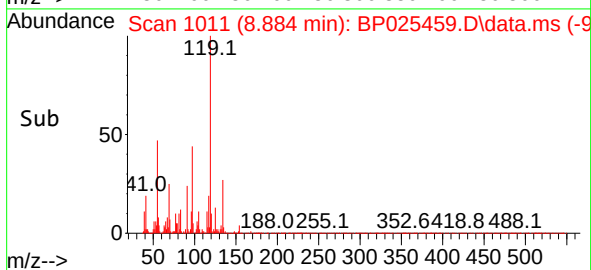
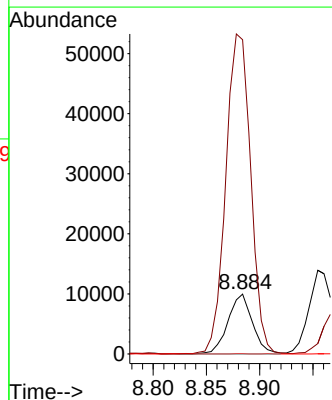
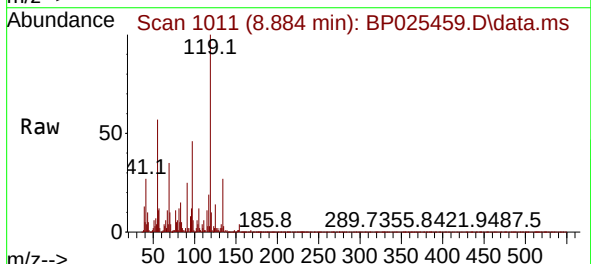
Instrument :
BNA_P
ClientSampleId :

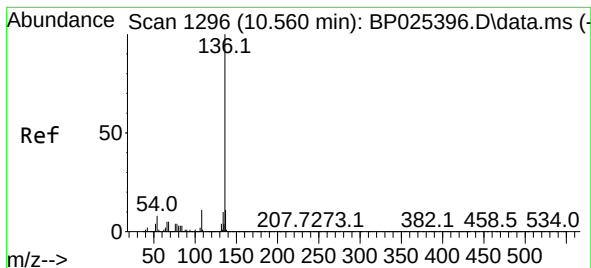
Tgt Ion: 99 Resp: 1044855
Ion Ratio Lower Upper
99 100
42 18.0 13.7 20.5
71 35.7 28.2 42.4



#18
Hexachloroethane
Concen: 3.078 ng
RT: 8.884 min Scan# 1011
Delta R.T. 0.018 min
Lab File: BP025459.D
Acq: 18 Aug 2025 13:28

Tgt Ion: 117 Resp: 15772
Ion Ratio Lower Upper
117 100
119 524.8 75.1 112.7#
201 0.3 80.1 120.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.554 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BP025459.D

Acq: 18 Aug 2025 13:28

Instrument :

BNA_P

ClientSampleId :

Tgt Ion:136 Resp: 688817

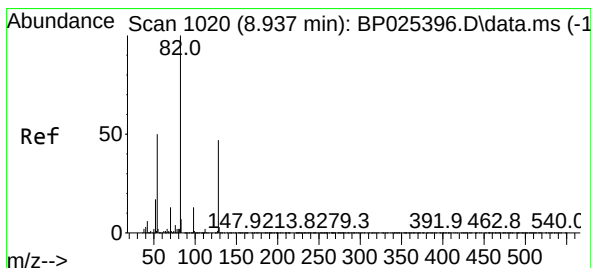
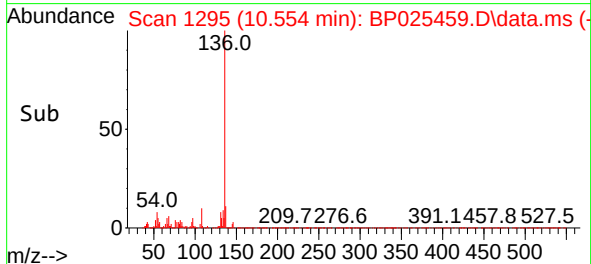
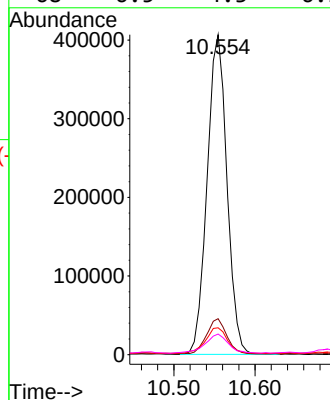
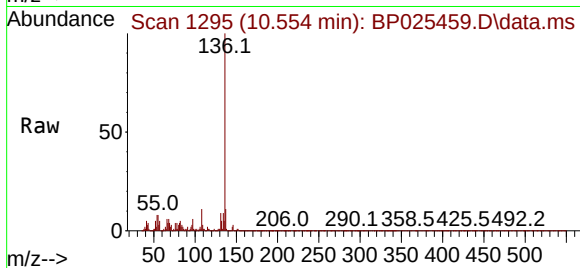
Ion Ratio Lower Upper

136 100

137 11.2 9.2 13.8

54 8.4 6.0 9.0

68 6.5 4.3 6.5



#23

Nitrobenzene-d5

Concen: 48.046 ng

RT: 8.925 min Scan# 1018

Delta R.T. -0.012 min

Lab File: BP025459.D

Acq: 18 Aug 2025 13:28

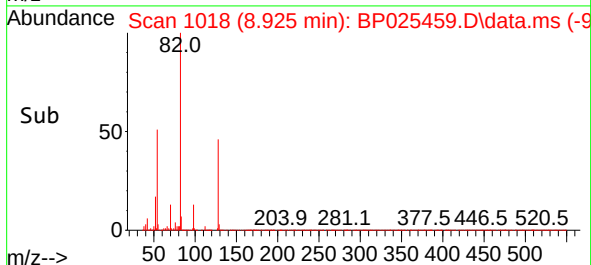
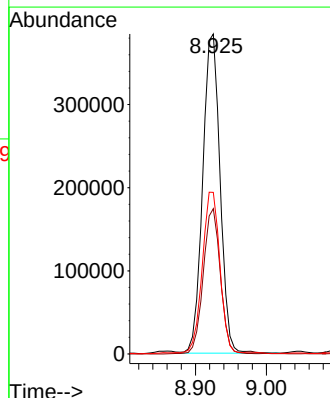
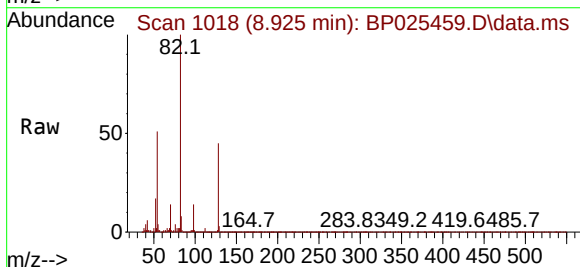
Tgt Ion: 82 Resp: 654238

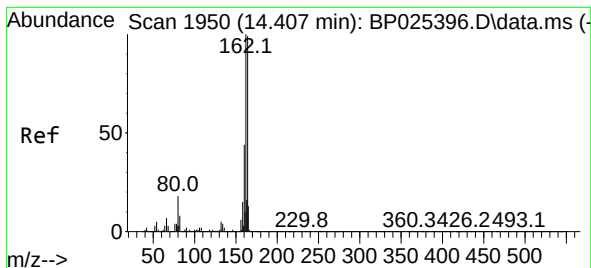
Ion Ratio Lower Upper

82 100

128 45.4 37.7 56.5

54 50.5 39.8 59.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.407 min Scan# 1950

Delta R.T. 0.000 min

Lab File: BP025459.D

Acq: 18 Aug 2025 13:28

Instrument :

BNP_P

ClientSampleId :

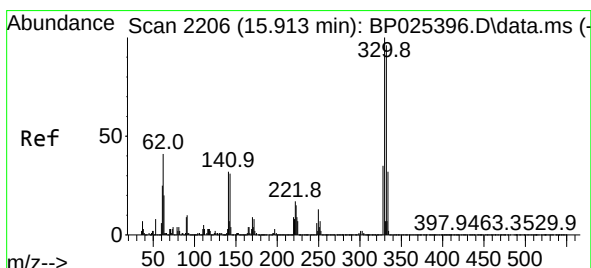
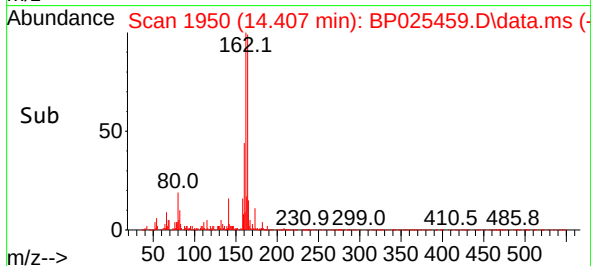
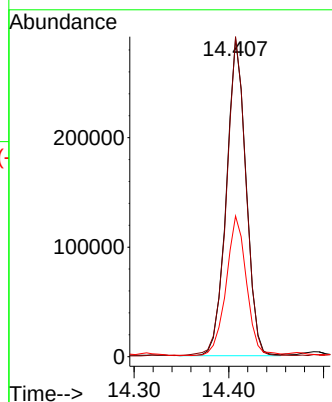
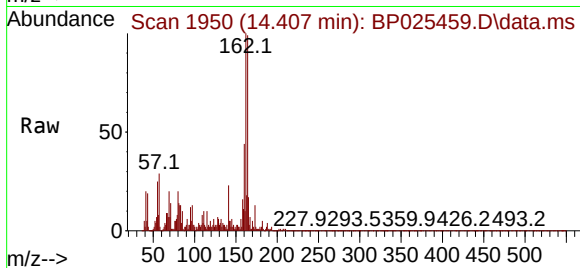
Tgt Ion:164 Resp: 416860

Ion Ratio Lower Upper

164 100

162 100.6 81.0 121.6

160 44.2 35.4 53.2



#42

2,4,6-Tribromophenol

Concen: 75.634 ng

RT: 15.913 min Scan# 2206

Delta R.T. 0.000 min

Lab File: BP025459.D

Acq: 18 Aug 2025 13:28

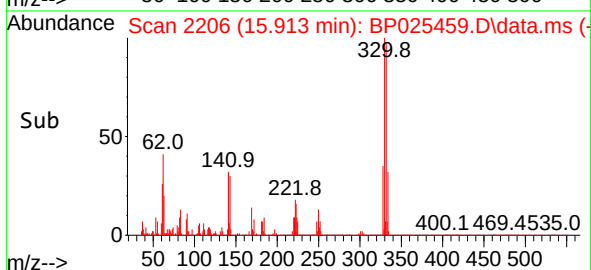
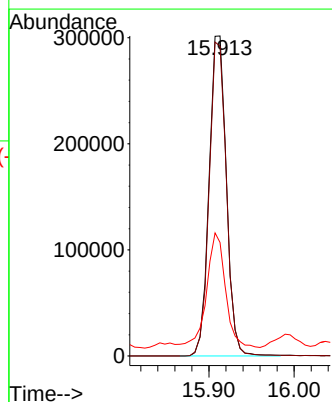
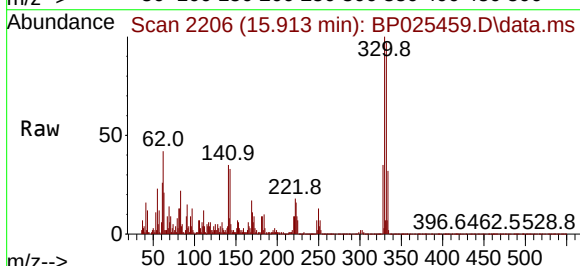
Tgt Ion:330 Resp: 424380

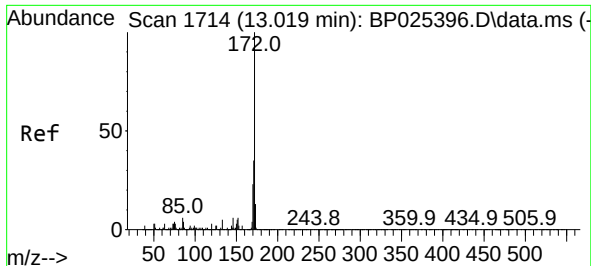
Ion Ratio Lower Upper

330 100

332 97.5 77.3 115.9

141 39.0 26.6 39.8

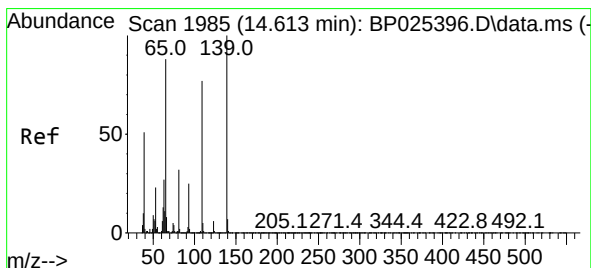
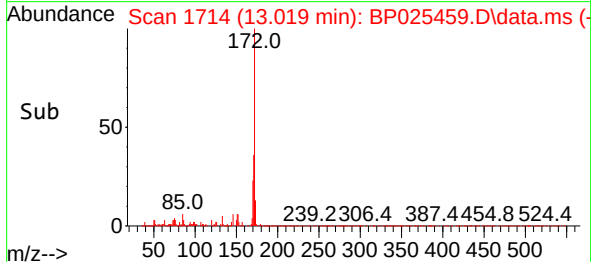
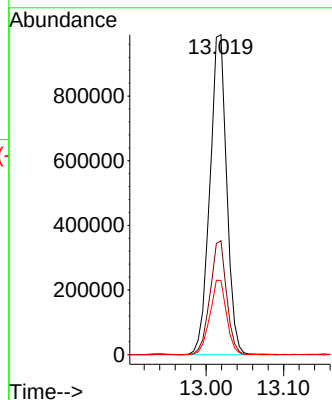
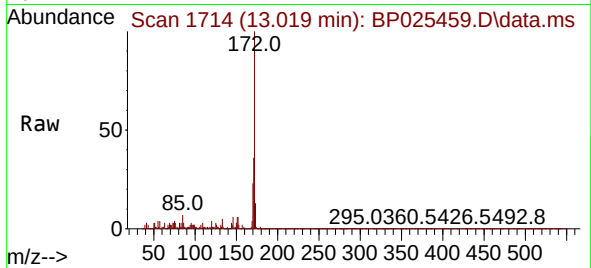




#45
2-Fluorobiphenyl
Concen: 48.846 ng
RT: 13.019 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP025459.D
Acq: 18 Aug 2025 13:28

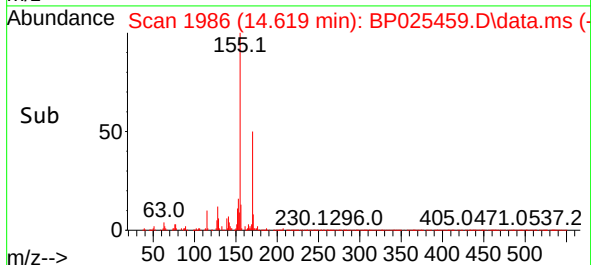
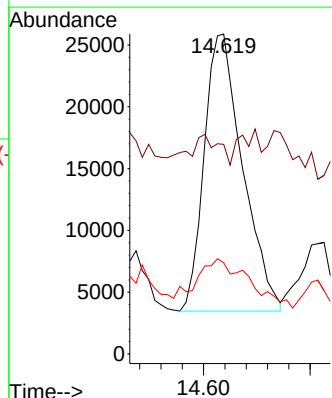
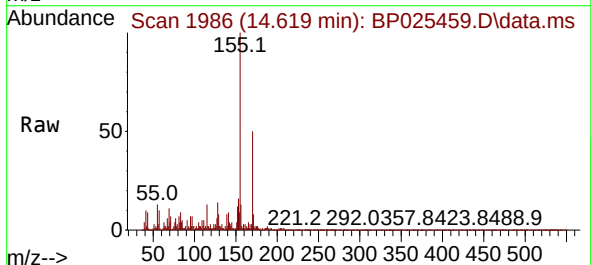
Instrument :
BNA_P
ClientSampleId :

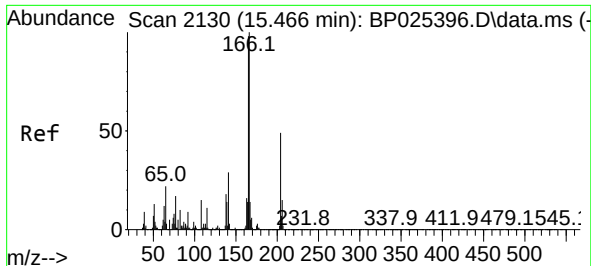
Tgt Ion:172 Resp: 1489873
Ion Ratio Lower Upper
172 100
171 35.6 28.1 42.1
170 23.2 18.6 28.0



#56
4-Nitrophenol
Concen: 9.443 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025459.D
Acq: 18 Aug 2025 13:28

Tgt Ion:139 Resp: 56174
Ion Ratio Lower Upper
139 100
109 65.5 56.6 96.6
65 28.5 68.2 108.2#

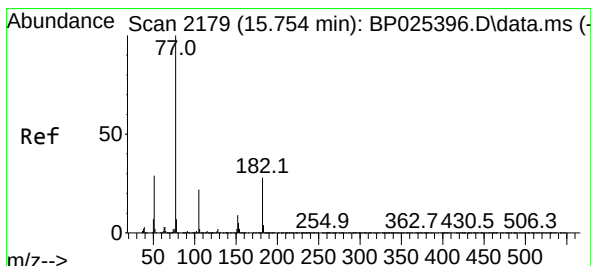
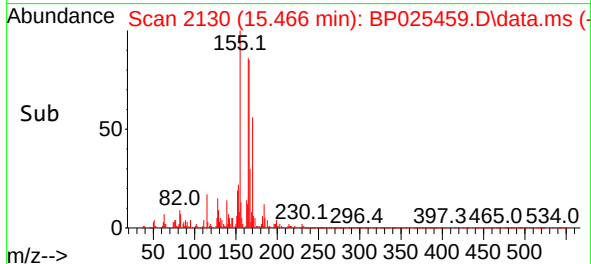
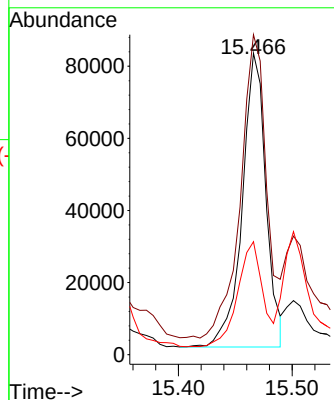
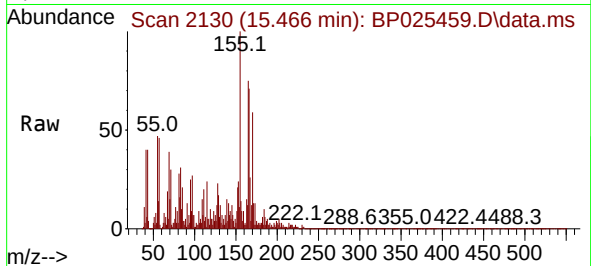




#58
Fluorene
Concen: 4.135 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP025459.D
Acq: 18 Aug 2025 13:28

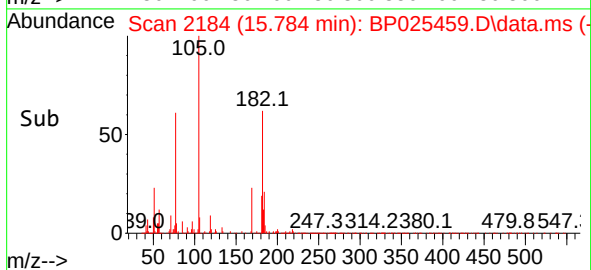
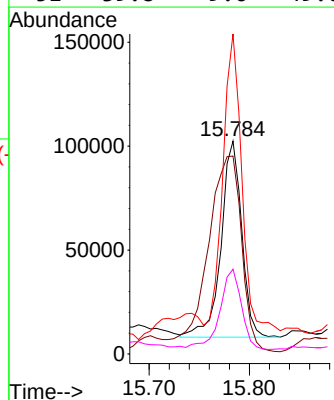
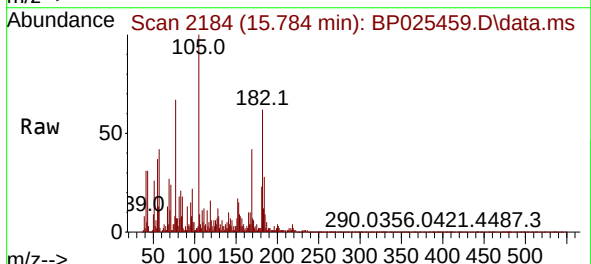
Instrument :
BNA_P
ClientSampleId :

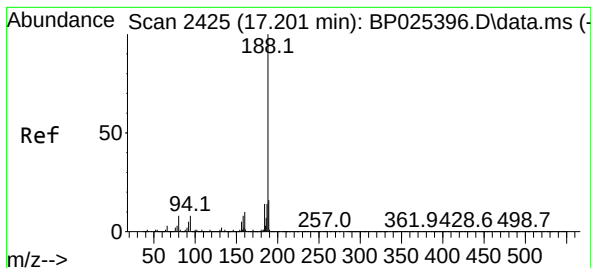
Tgt Ion:166 Resp: 118091
Ion Ratio Lower Upper
166 100
165 106.2 78.8 118.2
167 37.5 11.0 16.4#



#63
Azobenzene
Concen: 5.093 ng
RT: 15.784 min Scan# 2184
Delta R.T. 0.030 min
Lab File: BP025459.D
Acq: 18 Aug 2025 13:28

Tgt Ion: 77 Resp: 135278
Ion Ratio Lower Upper
77 100
182 93.0 7.5 47.5#
105 150.3 2.1 42.1#
51 39.8 9.6 49.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.201 min Scan# 2425

Delta R.T. 0.000 min

Lab File: BP025459.D

Acq: 18 Aug 2025 13:28

Instrument :

BNA_P

ClientSampleId :

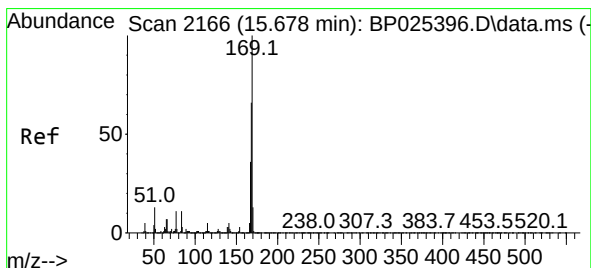
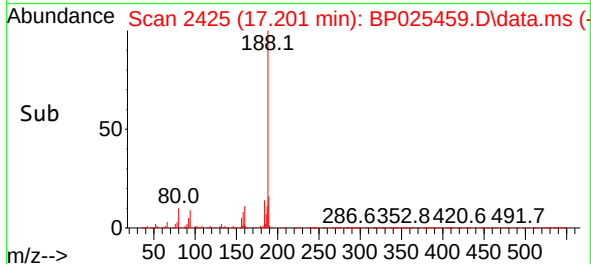
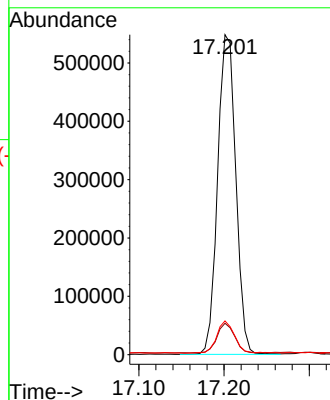
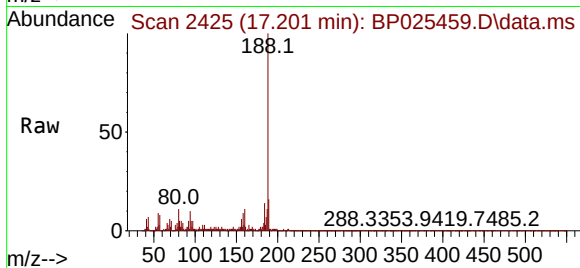
Tgt Ion:188 Resp: 812954

Ion Ratio Lower Upper

188 100

94 9.8 6.6 10.0

80 10.6 6.7 10.1#



#66

n-Nitrosodiphenylamine

Concen: 9.764 ng

RT: 15.689 min Scan# 2168

Delta R.T. 0.012 min

Lab File: BP025459.D

Acq: 18 Aug 2025 13:28

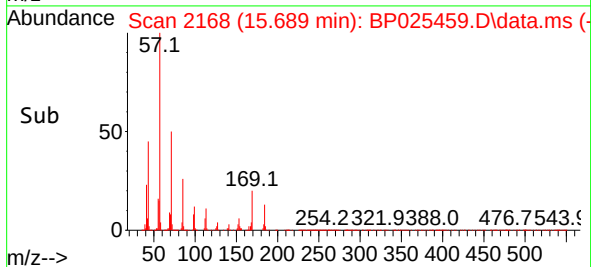
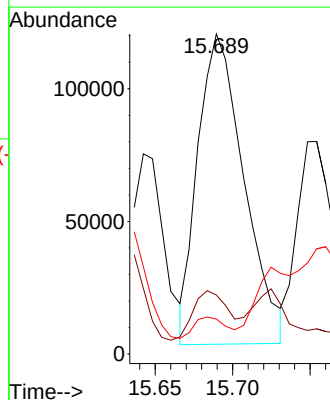
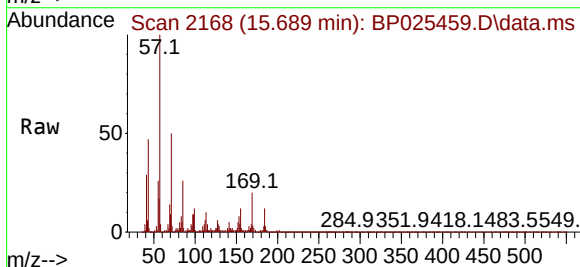
Tgt Ion:169 Resp: 242046

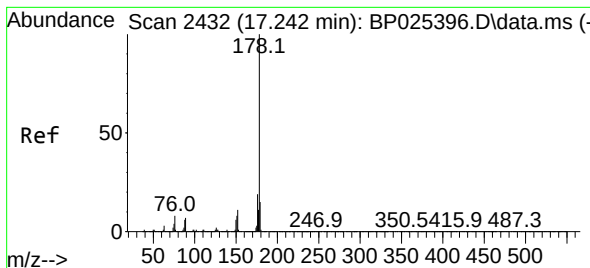
Ion Ratio Lower Upper

169 100

168 18.4 53.2 79.8#

167 10.9 28.7 43.1#





#71

Phenanthrene

Concen: 9.020 ng

RT: 17.242 min Scan# 2432

Delta R.T. 0.000 min

Lab File: BP025459.D

Acq: 18 Aug 2025 13:28

Instrument :

BNA_P

ClientSampleId :

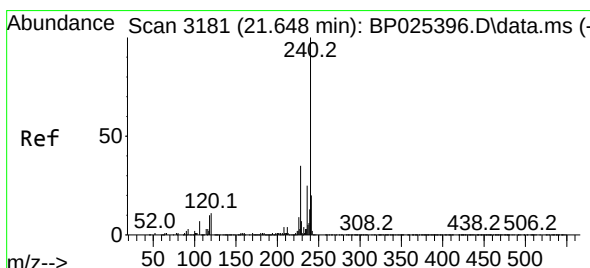
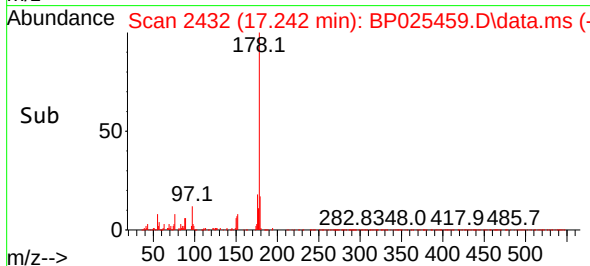
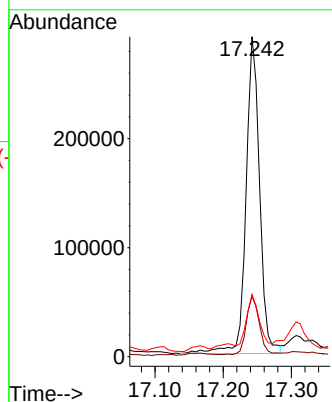
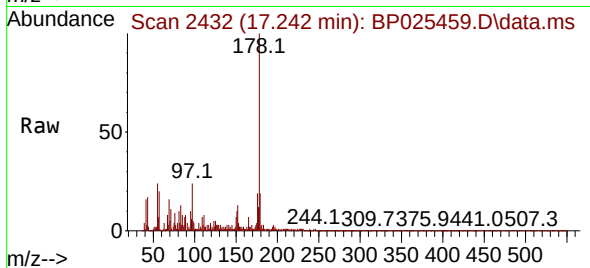
Tgt Ion:178 Resp: 402795

Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

179 19.4 12.2 18.4#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.630 min Scan# 3178

Delta R.T. -0.018 min

Lab File: BP025459.D

Acq: 18 Aug 2025 13:28

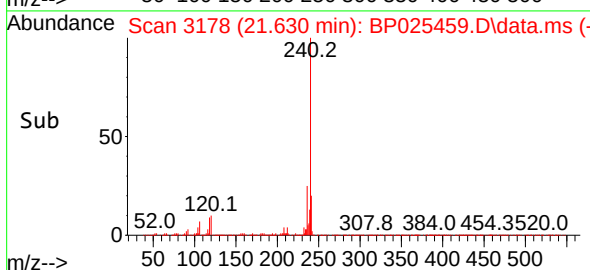
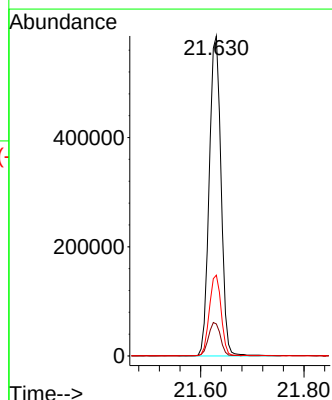
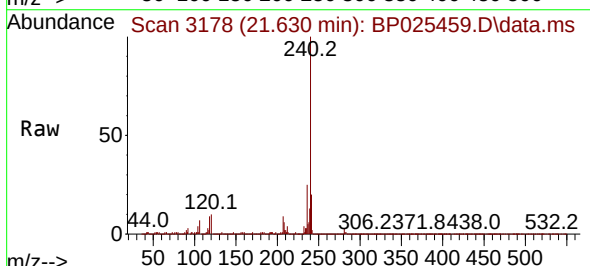
Tgt Ion:240 Resp: 925285

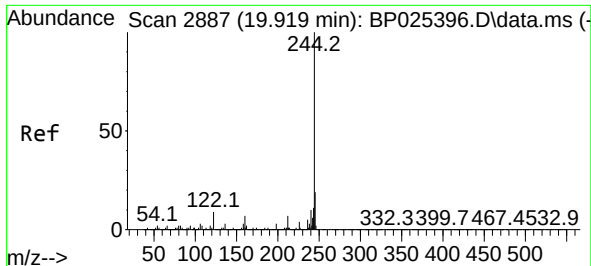
Ion Ratio Lower Upper

240 100

120 10.0 8.9 13.3

236 25.3 19.8 29.8

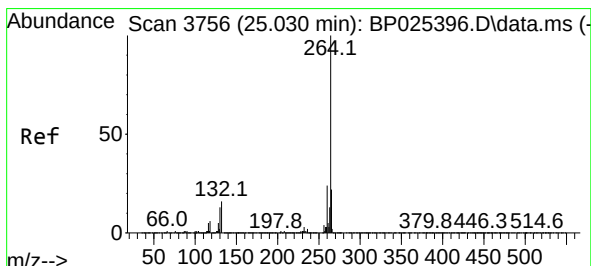
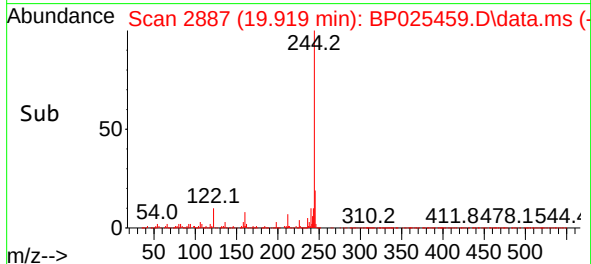
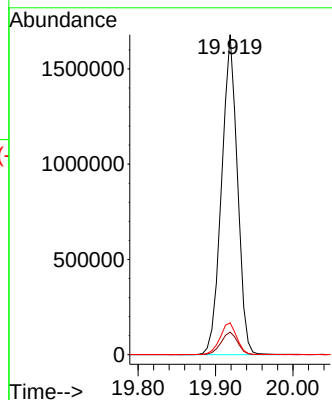
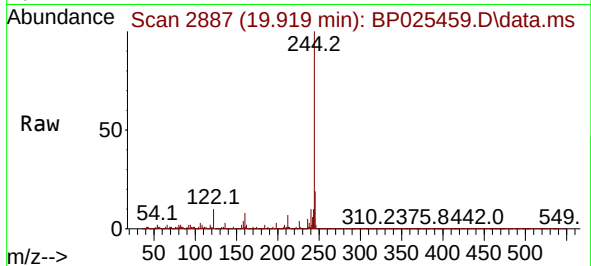




#79
 Terphenyl-d14
 Concen: 47.188 ng
 RT: 19.919 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BP025459.D
 Acq: 18 Aug 2025 13:28

Instrument :
 BNA_P
 ClientSampleId :

Tgt Ion:244 Resp: 2386491
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 10.0 7.4 11.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.989 min Scan# 3749
 Delta R.T. -0.041 min
 Lab File: BP025459.D
 Acq: 18 Aug 2025 13:28

Tgt Ion:264 Resp: 1055443
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.3 28.9
 265 21.1 17.4 26.0

