

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP090225\
 Data File : BP025649.D
 Acq On : 02 Sep 2025 22:25
 Operator : CG/JU
 Sample : Q2996-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CONTAINMENT-B

Quant Time: Sep 03 01:06:15 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)

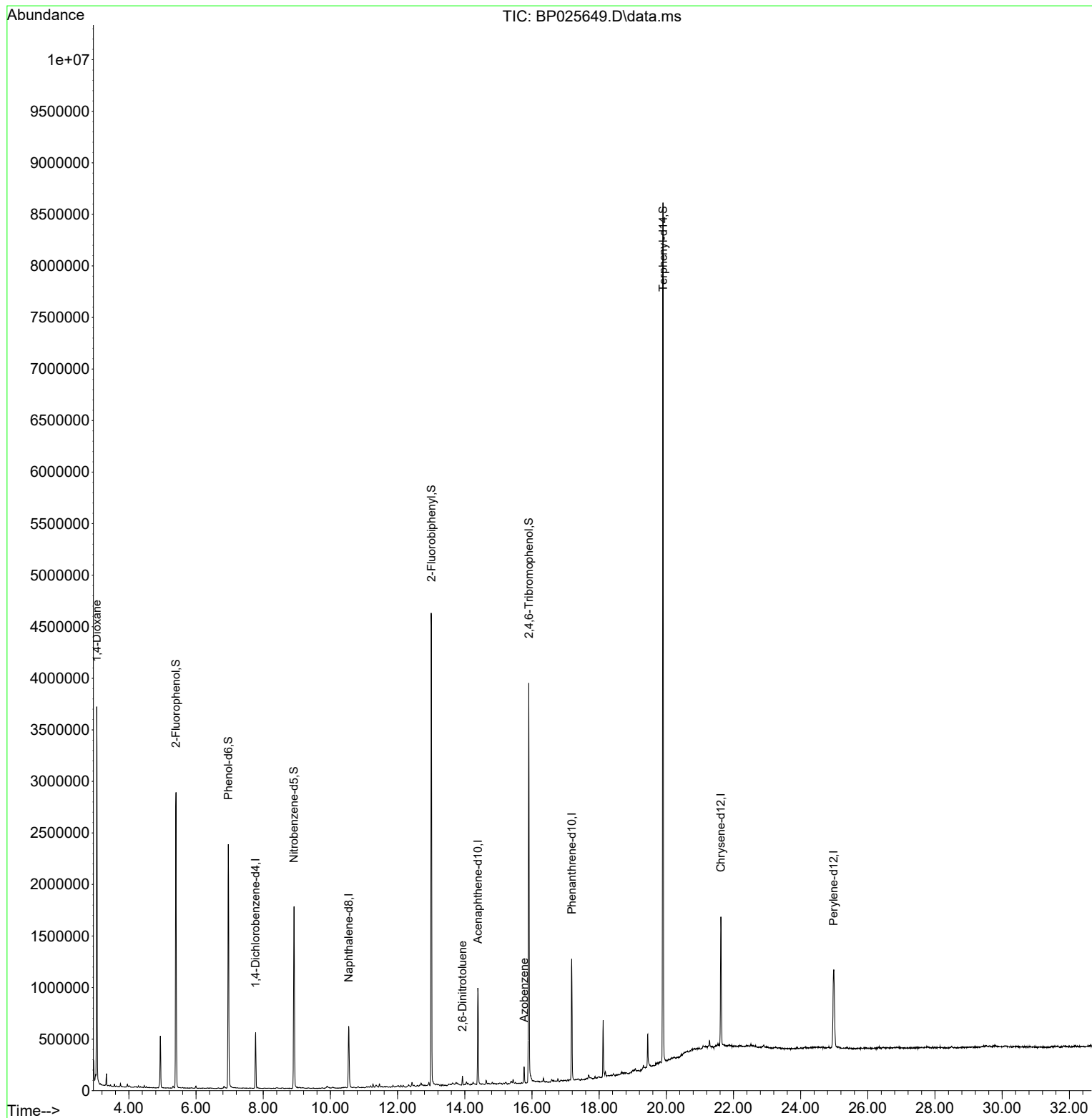
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.772	152	147234	20.000	ng	-0.02
21) Naphthalene-d8	10.543	136	562549	20.000	ng	-0.02
39) Acenaphthene-d10	14.390	164	360894	20.000	ng	-0.02
64) Phenanthrene-d10	17.184	188	752711	20.000	ng	-0.02
76) Chrysene-d12	21.625	240	813256	20.000	ng	-0.02
86) Perylene-d12	24.983	264	901353	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	1240483	139.918	ng	0.00
7) Phenol-d6	6.961	99	1392084	122.471	ng	0.00
23) Nitrobenzene-d5	8.913	82	1088441	97.875	ng	-0.02
42) 2,4,6-Tribromophenol	15.907	330	820255	168.858	ng	0.00
45) 2-Fluorobiphenyl	13.007	172	2392194	90.591	ng	-0.01
79) Terphenyl-d14	19.901	244	4233897	95.249	ng	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.043	88	19357	5.574	ng	# 1
51) 2,6-Dinitrotoluene	13.931	165	12087	2.170	ng	# 32
63) Azobenzene	15.766	77	46014	2.001	ng	# 1

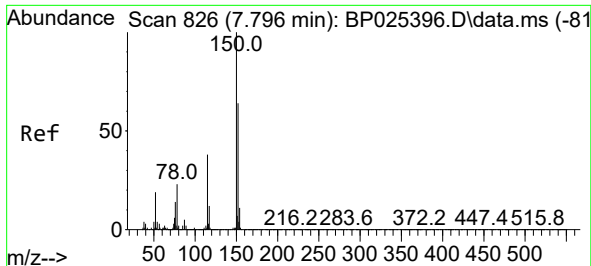
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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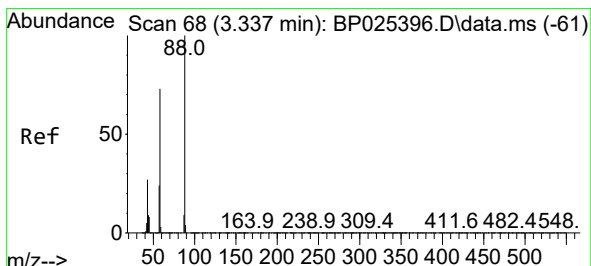
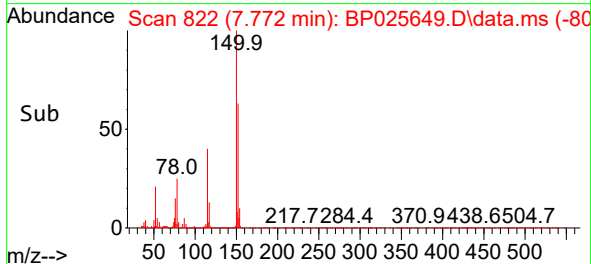
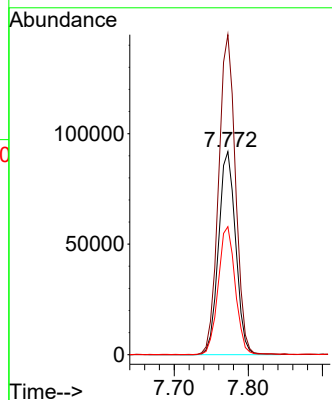
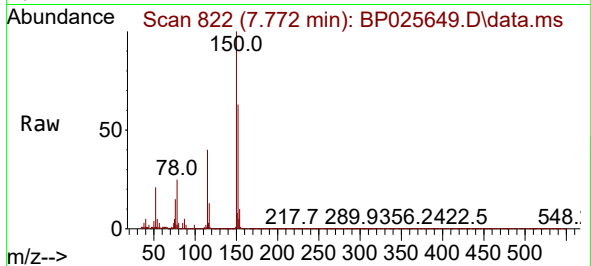




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.772 min Scan# 81
 Delta R.T. -0.024 min
 Lab File: BP025649.D
 Acq: 02 Sep 2025 22:25

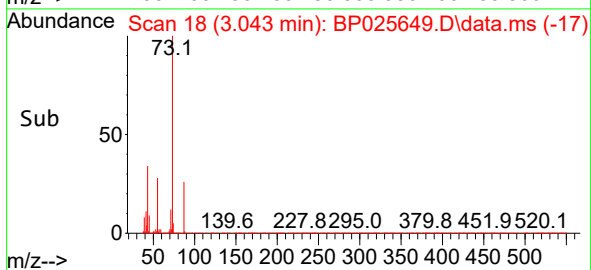
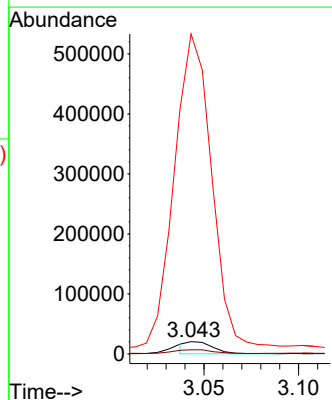
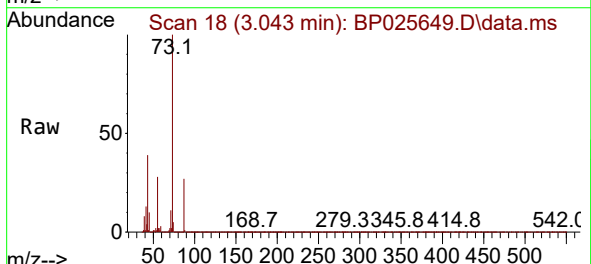
Instrument :
 BNA_P
 ClientSampleId :
 CONTAINMENT-B

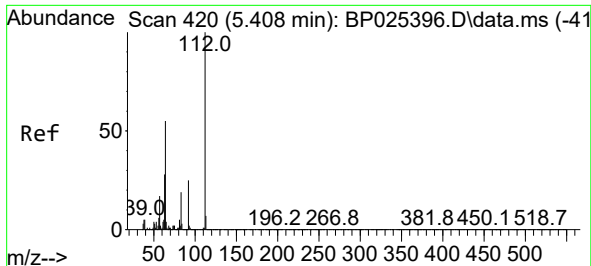
Tgt Ion:152 Resp: 147234
 Ion Ratio Lower Upper
 152 100
 150 157.5 125.9 188.9
 115 63.0 48.5 72.7



#2
 1,4-Dioxane
 Concen: 5.574 ng
 RT: 3.043 min Scan# 18
 Delta R.T. -0.294 min
 Lab File: BP025649.D
 Acq: 02 Sep 2025 22:25

Tgt Ion: 88 Resp: 19357
 Ion Ratio Lower Upper
 88 100
 58 30.8 59.2 88.8#
 43 2573.2 21.7 32.5#

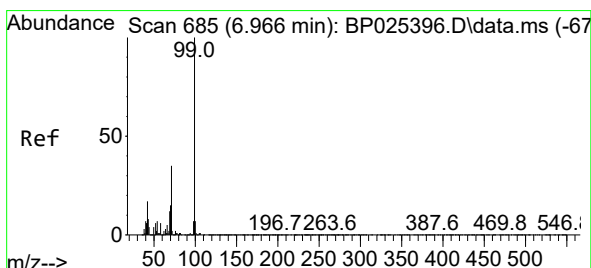
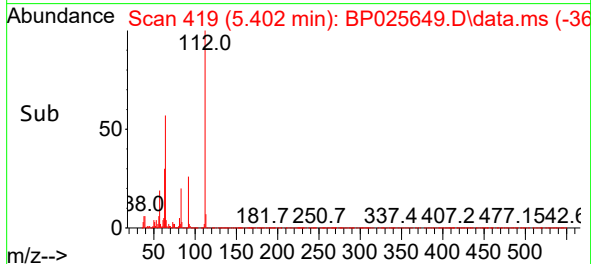
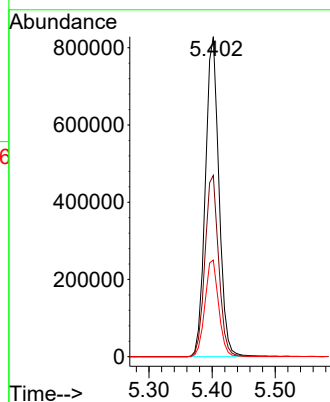
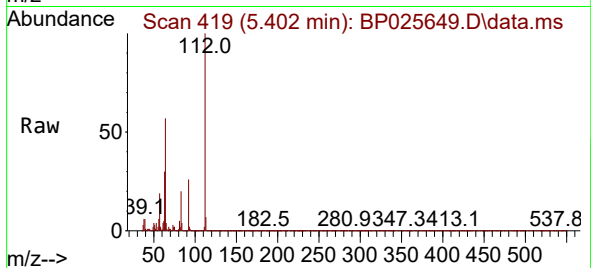




#5
2-Fluorophenol
Concen: 139.918 ng
RT: 5.402 min Scan# 41
Delta R.T. -0.006 min
Lab File: BP025649.D
Acq: 02 Sep 2025 22:25

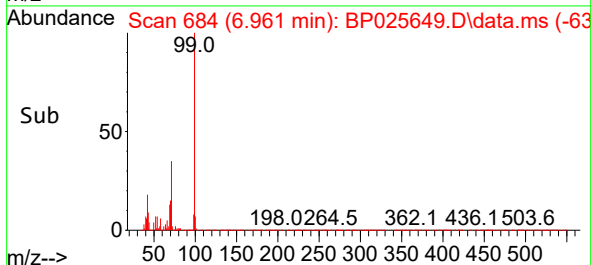
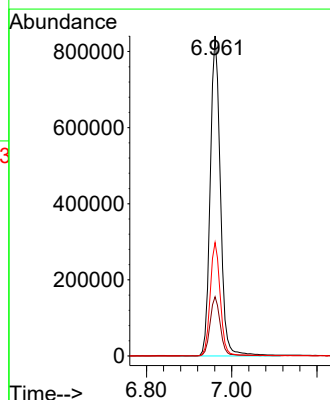
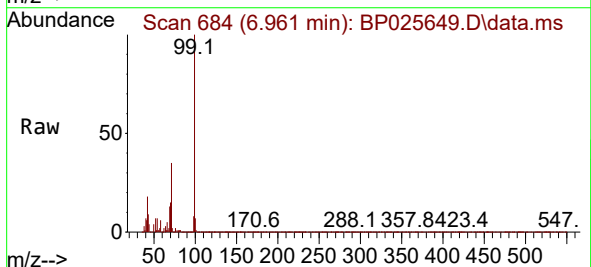
Instrument :
BNA_P
ClientSampleId :
CONTAINMENT-B

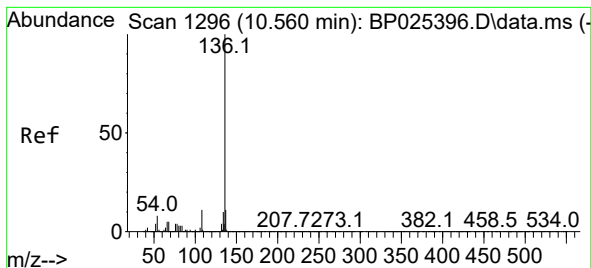
Tgt Ion:112 Resp: 1240483
Ion Ratio Lower Upper
112 100
64 56.6 43.8 65.8
63 30.2 22.7 34.1



#7
Phenol-d6
Concen: 122.471 ng
RT: 6.961 min Scan# 684
Delta R.T. -0.006 min
Lab File: BP025649.D
Acq: 02 Sep 2025 22:25

Tgt Ion: 99 Resp: 1392084
Ion Ratio Lower Upper
99 100
42 18.5 13.7 20.5
71 35.4 28.2 42.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.543 min Scan# 1016

Delta R.T. -0.017 min

Lab File: BP025649.D

Acq: 02 Sep 2025 22:25

Instrument :

BNA_P

ClientSampleId :

CONTAINMENT-B

Tgt Ion:136 Resp: 562549

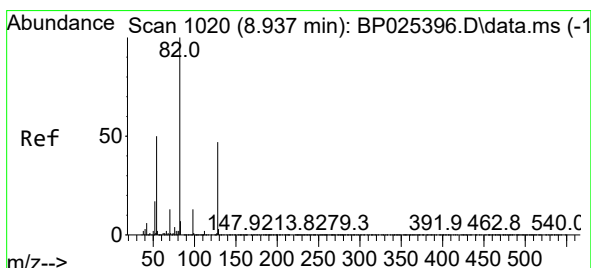
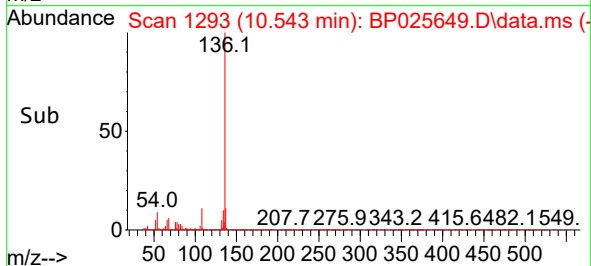
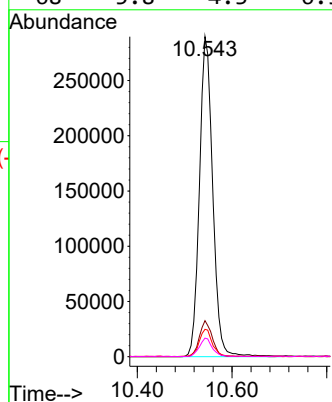
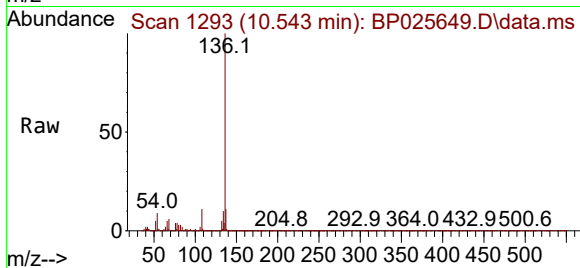
Ion Ratio Lower Upper

136 100

137 11.3 9.2 13.8

54 8.6 6.0 9.0

68 5.8 4.3 6.5



#23

Nitrobenzene-d5

Concen: 97.875 ng

RT: 8.913 min Scan# 1016

Delta R.T. -0.023 min

Lab File: BP025649.D

Acq: 02 Sep 2025 22:25

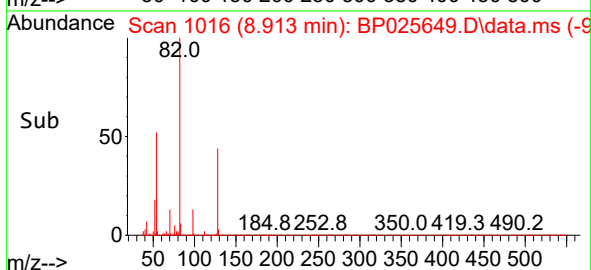
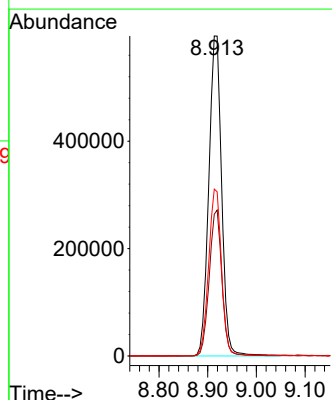
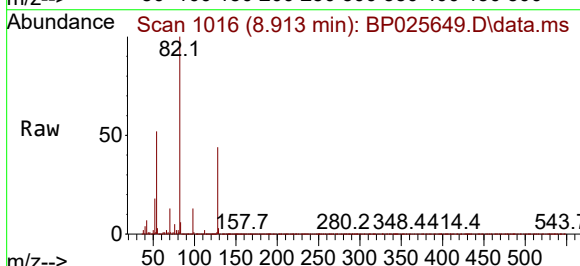
Tgt Ion: 82 Resp: 1088441

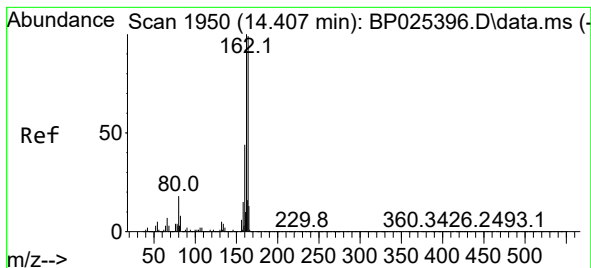
Ion Ratio Lower Upper

82 100

128 44.3 37.7 56.5

54 52.2 39.8 59.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.390 min Scan# 1947

Delta R.T. -0.017 min

Lab File: BP025649.D

Acq: 02 Sep 2025 22:25

Instrument :

BNA_P

ClientSampleId :

CONTAINMENT-B

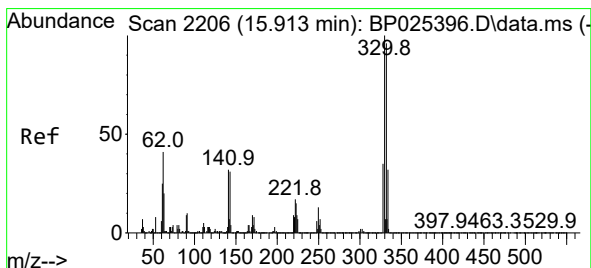
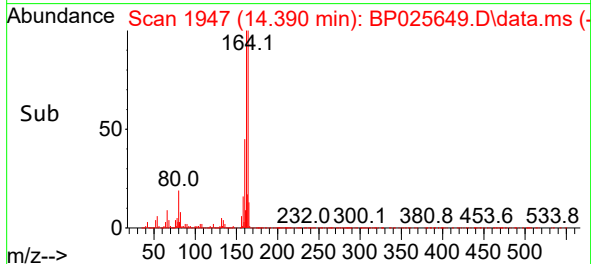
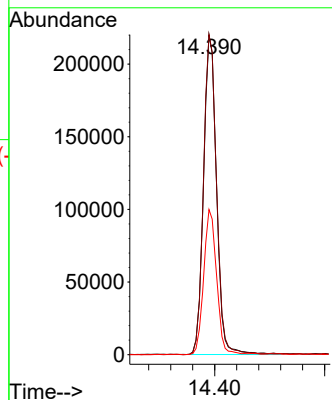
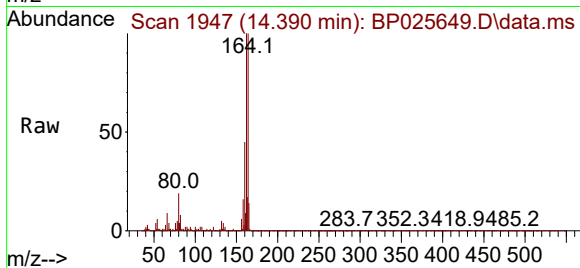
Tgt Ion:164 Resp: 360894

Ion Ratio Lower Upper

164 100

162 100.1 81.0 121.6

160 45.4 35.4 53.2



#42

2,4,6-Tribromophenol

Concen: 168.858 ng

RT: 15.907 min Scan# 2205

Delta R.T. -0.006 min

Lab File: BP025649.D

Acq: 02 Sep 2025 22:25

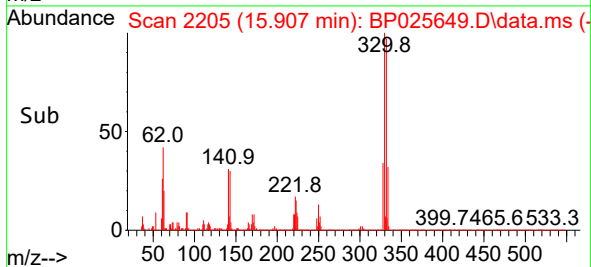
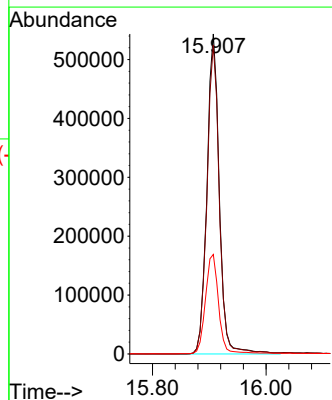
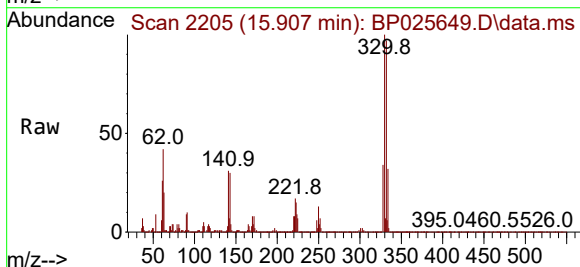
Tgt Ion:330 Resp: 820255

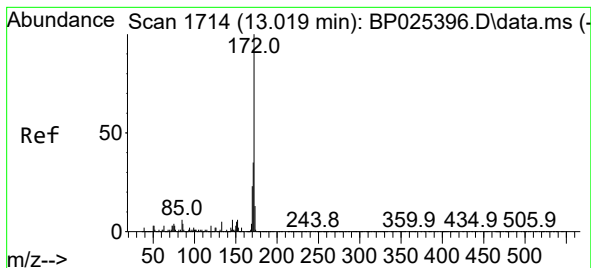
Ion Ratio Lower Upper

330 100

332 96.5 77.3 115.9

141 33.0 26.6 39.8





#45

2-Fluorobiphenyl

Concen: 90.591 ng

RT: 13.007 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP025649.D

Acq: 02 Sep 2025 22:25

Instrument :

BNA_P

ClientSampleId :

CONTAINMENT-B

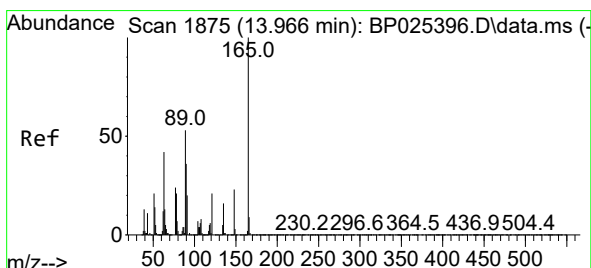
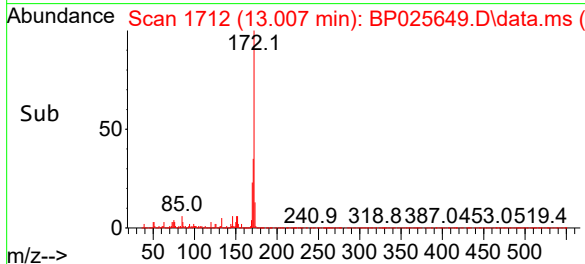
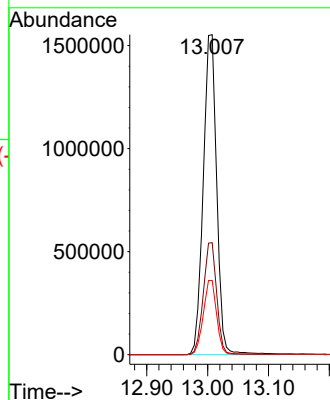
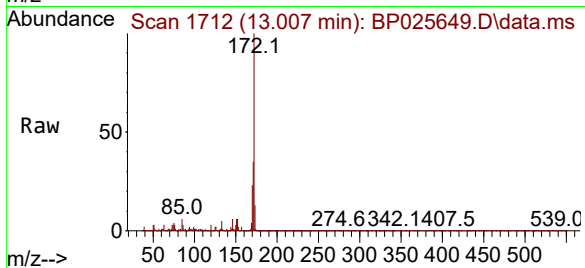
Tgt Ion:172 Resp: 2392194

Ion Ratio Lower Upper

172 100

171 35.0 28.1 42.1

170 23.2 18.6 28.0



#51

2,6-Dinitrotoluene

Concen: 2.170 ng

RT: 13.931 min Scan# 1869

Delta R.T. -0.035 min

Lab File: BP025649.D

Acq: 02 Sep 2025 22:25

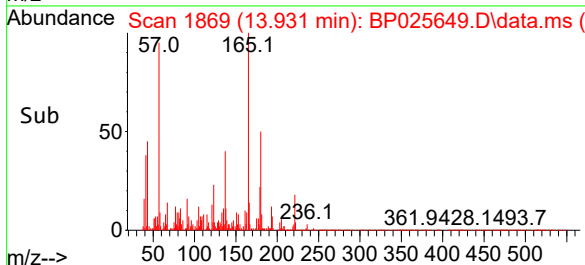
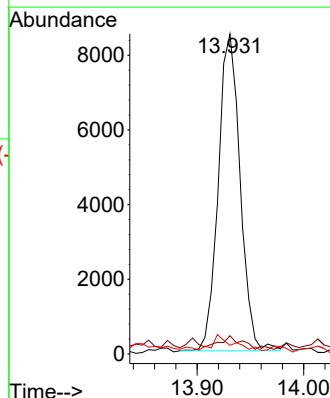
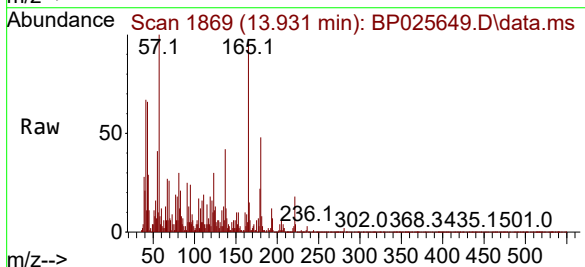
Tgt Ion:165 Resp: 12087

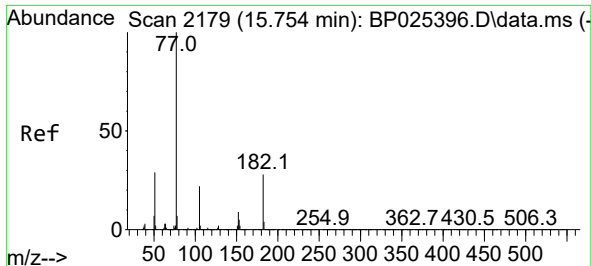
Ion Ratio Lower Upper

165 100

63 5.7 40.9 61.3#

89 2.7 42.1 63.1#

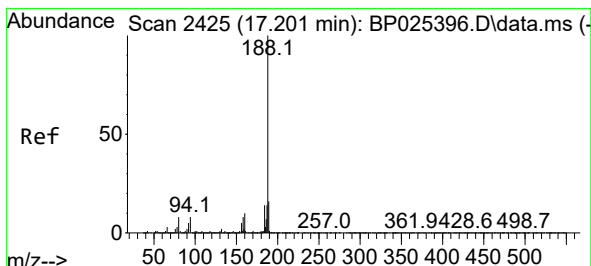
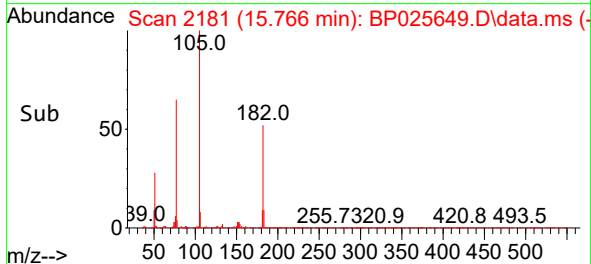
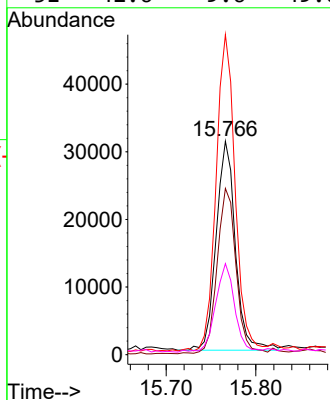
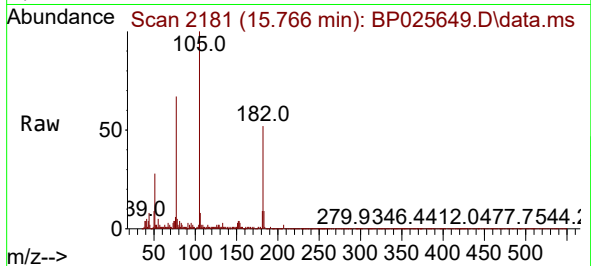




#63
Azobenzene
Concen: 2.001 ng
RT: 15.766 min Scan# 2179
Delta R.T. 0.012 min
Lab File: BP025649.D
Acq: 02 Sep 2025 22:25

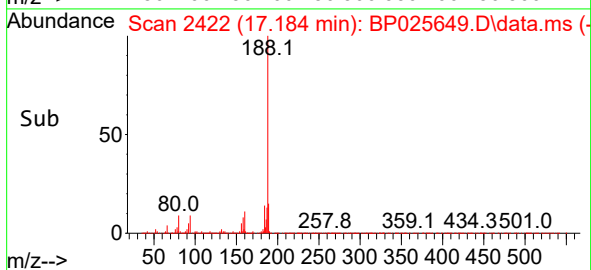
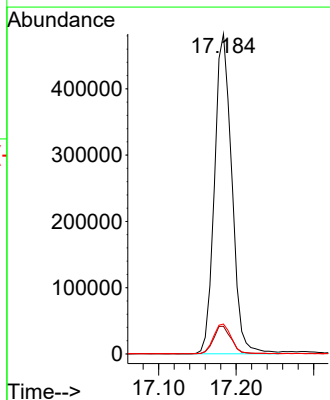
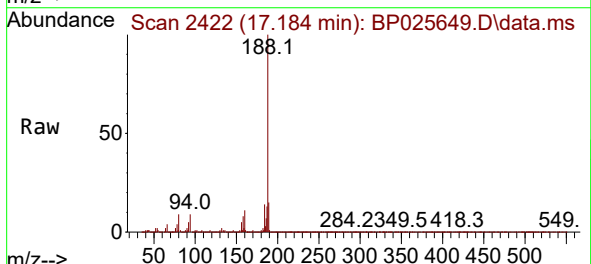
Instrument :
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CONTAINMENT-B

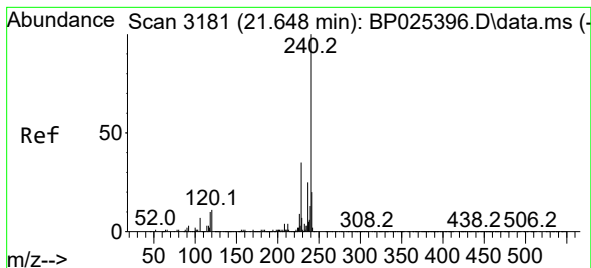
Tgt Ion: 77 Resp: 46014
Ion Ratio Lower Upper
77 100
182 77.9 7.5 47.5#
105 149.9 2.1 42.1#
51 42.6 9.6 49.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.184 min Scan# 2422
Delta R.T. -0.017 min
Lab File: BP025649.D
Acq: 02 Sep 2025 22:25

Tgt Ion: 188 Resp: 752711
Ion Ratio Lower Upper
188 100
94 8.6 6.6 10.0
80 9.4 6.7 10.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.625 min Scan# 31

Delta R.T. -0.023 min

Lab File: BP025649.D

Acq: 02 Sep 2025 22:25

Instrument :

BNA_P

ClientSampleId :

CONTAINMENT-B

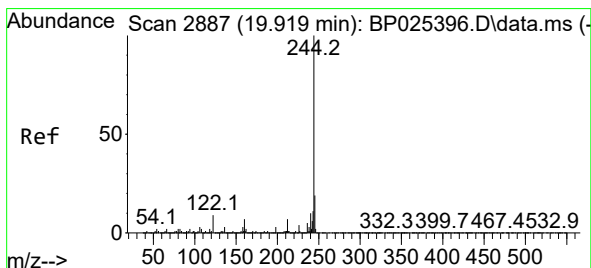
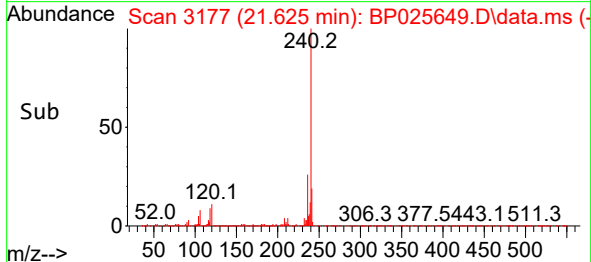
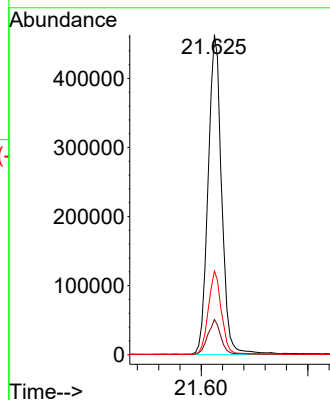
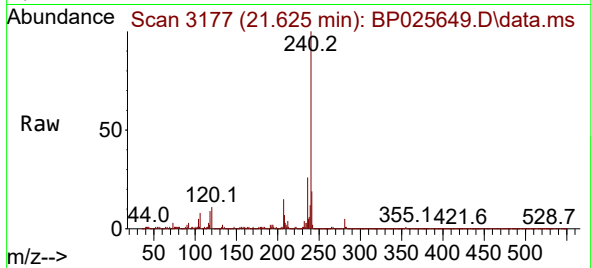
Tgt Ion:240 Resp: 813256

Ion Ratio Lower Upper

240 100

120 11.0 8.9 13.3

236 26.2 19.8 29.8



#79

Terphenyl-d14

Concen: 95.249 ng

RT: 19.901 min Scan# 2884

Delta R.T. -0.017 min

Lab File: BP025649.D

Acq: 02 Sep 2025 22:25

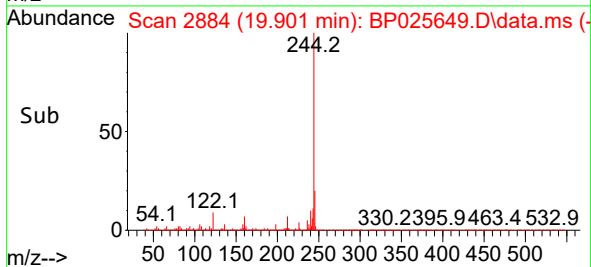
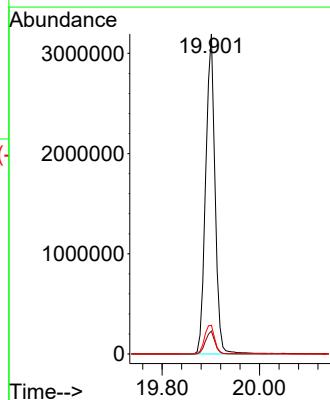
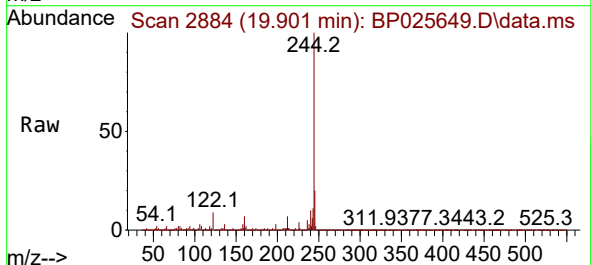
Tgt Ion:244 Resp: 4233897

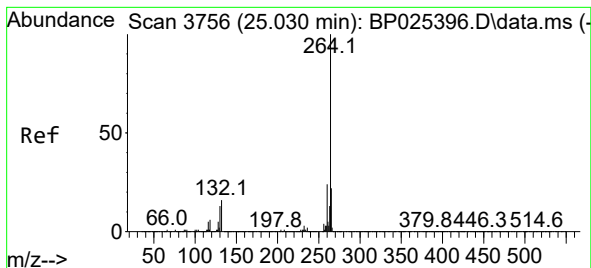
Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

122 8.9 7.4 11.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.983 min Scan# 31

Delta R.T. -0.047 min

Lab File: BP025649.D

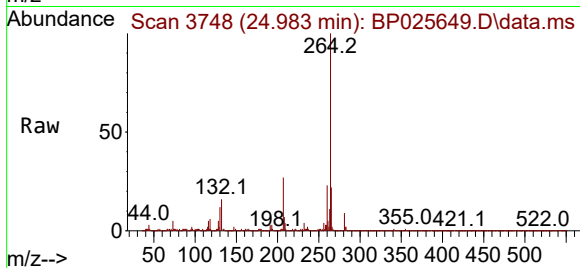
Acq: 02 Sep 2025 22:25

Instrument :

BNA_P

ClientSampleId :

CONTAINMENT-B



Tgt Ion:264 Resp: 901353

Ion Ratio Lower Upper

264 100

260 23.2 19.3 28.9

265 22.2 17.4 26.0

