

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100825\
 Data File : BP025959.D
 Acq On : 08 Oct 2025 18:51
 Operator : RC/JU
 Sample : Q3308-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 S-3(6.0-6.5)

Quant Time: Oct 09 01:28:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 08 16:22:13 2025
 Response via : Initial Calibration

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

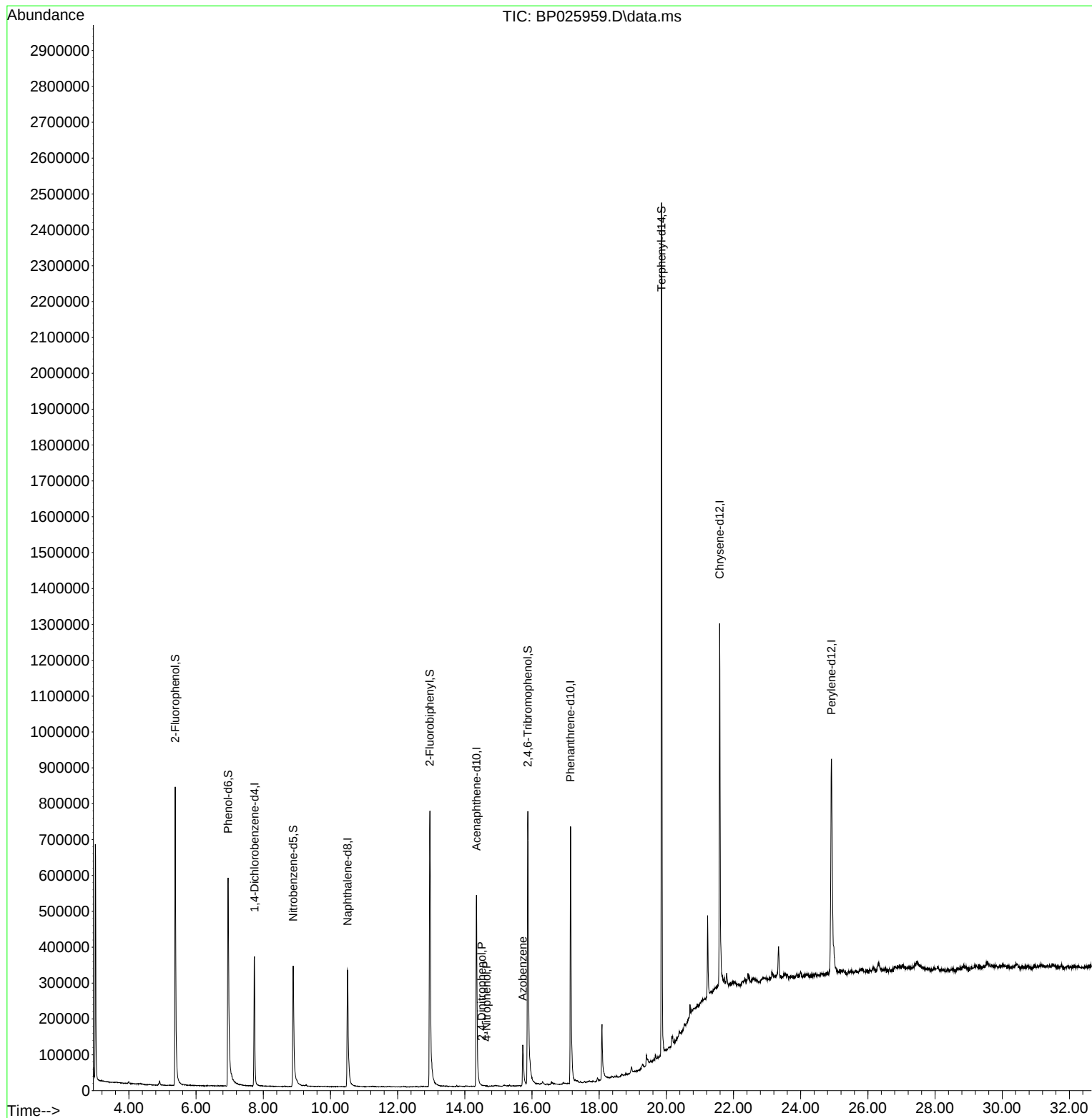
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.737	152	114937	20.000	ng	0.00
21) Naphthalene-d8	10.507	136	426606	20.000	ng	0.02
39) Acenaphthene-d10	14.348	164	286180	20.000	ng	0.01
64) Phenanthrene-d10	17.148	188	599775	20.000	ng	0.02
76) Chrysene-d12	21.589	240	693716	20.000	ng	0.02
86) Perylene-d12	24.918	264	790565	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.378	112	454839	64.589	ng	0.00
7) Phenol-d6	6.954	99	572578	61.571	ng	0.02
23) Nitrobenzene-d5	8.890	82	329197	34.537	ng	0.01
42) 2,4,6-Tribromophenol	15.877	330	264062	73.886	ng	0.02
45) 2-Fluorobiphenyl	12.960	172	682272	32.026	ng	0.01
79) Terphenyl-d14	19.860	244	1467018	38.132	ng	0.00
Target Compounds						
						Qvalue
54) 2,4-Dinitrophenol	14.507	184	8	4.823	ng	# 44
56) 4-Nitrophenol	14.642	139	16	4.538	ng	# 1
63) Azobenzene	15.725	77	59759	2.848	ng	# 1

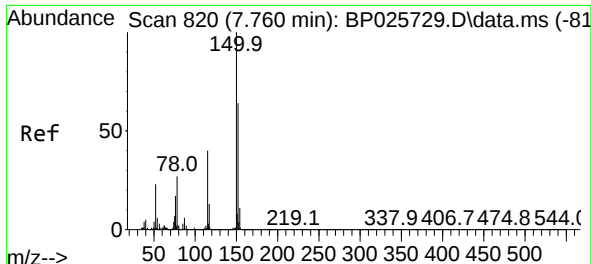
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100825\
Data File : BP025959.D
Acq On : 08 Oct 2025 18:51
Operator : RC/JU
Sample : Q3308-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
S-3(6.0-6.5)

Quant Time: Oct 09 01:28:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 08 16:22:13 2025
Response via : Initial Calibration

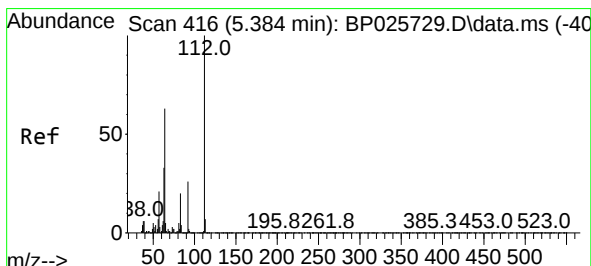
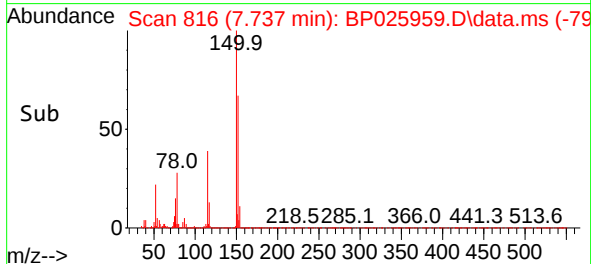
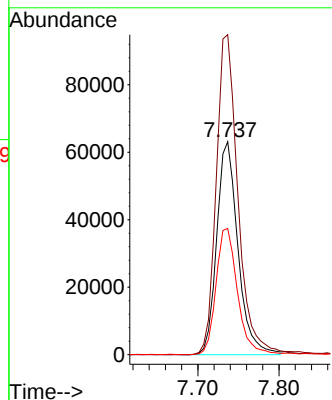
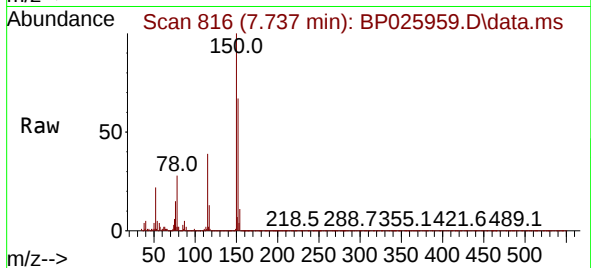




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.737 min Scan# 81
 Delta R.T. 0.006 min
 Lab File: BP025959.D
 Acq: 08 Oct 2025 18:51

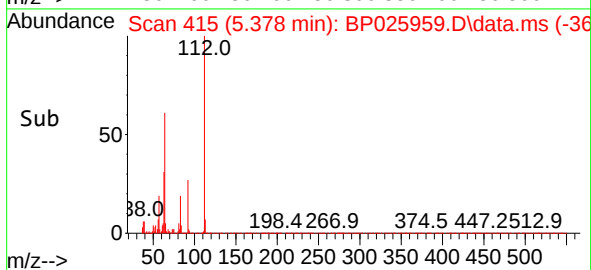
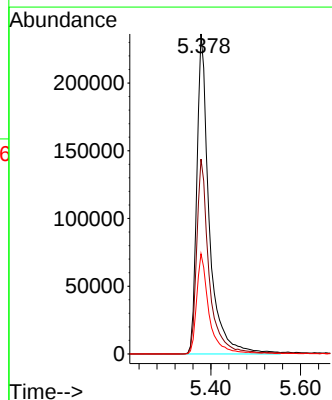
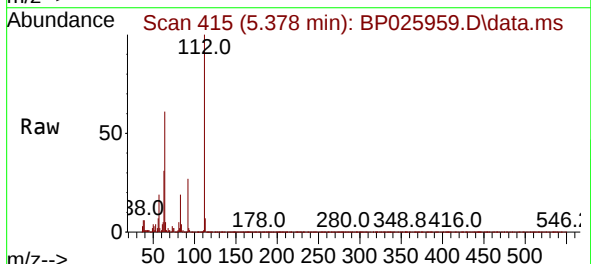
Instrument :
 BNA_P
 ClientSampleId :
 S-3(6.0-6.5)

Tgt Ion:152 Resp: 114937
 Ion Ratio Lower Upper
 152 100
 150 150.2 124.3 186.5
 115 59.3 50.3 75.5



#5
 2-Fluorophenol
 Concen: 64.589 ng
 RT: 5.378 min Scan# 415
 Delta R.T. 0.005 min
 Lab File: BP025959.D
 Acq: 08 Oct 2025 18:51

Tgt Ion:112 Resp: 454839
 Ion Ratio Lower Upper
 112 100
 64 60.9 50.2 75.4
 63 31.3 26.7 40.1

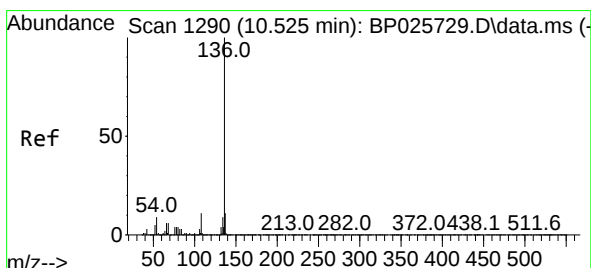
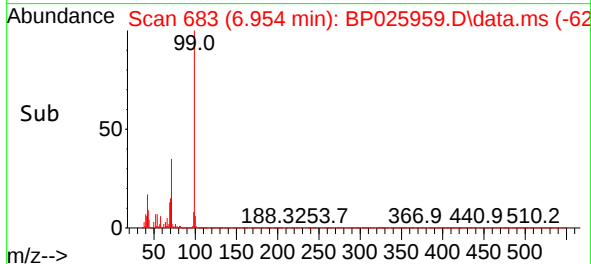
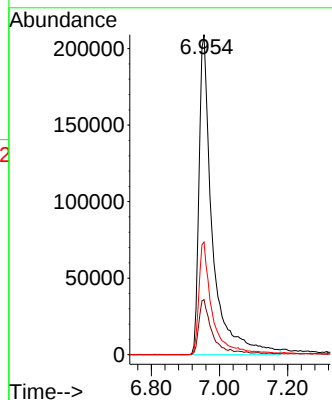
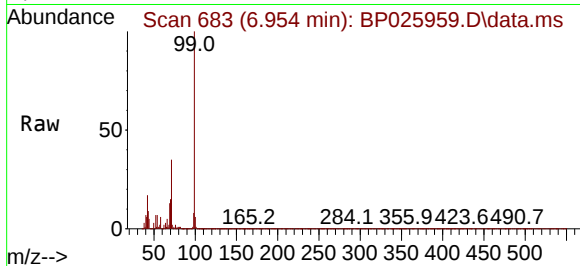




#7
Phenol-d6
Concen: 61.571 ng
RT: 6.954 min Scan# 61
Delta R.T. 0.017 min
Lab File: BP025959.D
Acq: 08 Oct 2025 18:51

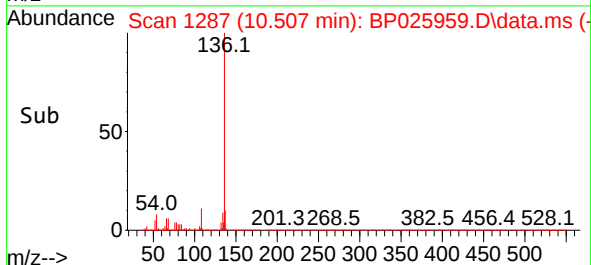
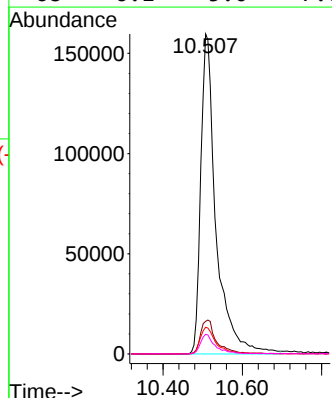
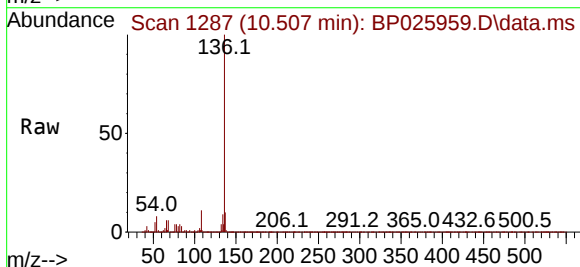
Instrument :
BNA_P
ClientSampleId :
S-3(6.0-6.5)

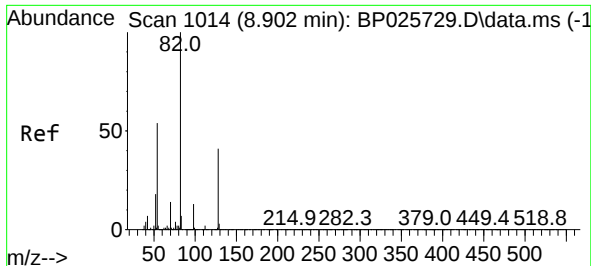
Tgt Ion: 99 Resp: 572578
Ion Ratio Lower Upper
99 100
42 17.2 15.6 23.4
71 35.2 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.507 min Scan# 1287
Delta R.T. 0.017 min
Lab File: BP025959.D
Acq: 08 Oct 2025 18:51

Tgt Ion:136 Resp: 426606
Ion Ratio Lower Upper
136 100
137 10.2 8.7 13.1
54 8.3 7.5 11.3
68 6.1 5.0 7.6





#23

Nitrobenzene-d5

Concen: 34.537 ng

RT: 8.890 min Scan# 1014

Delta R.T. 0.011 min

Lab File: BP025959.D

Acq: 08 Oct 2025 18:51

Instrument :

BNA_P

ClientSampleId :

S-3(6.0-6.5)

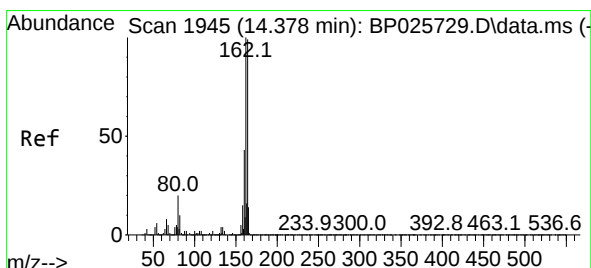
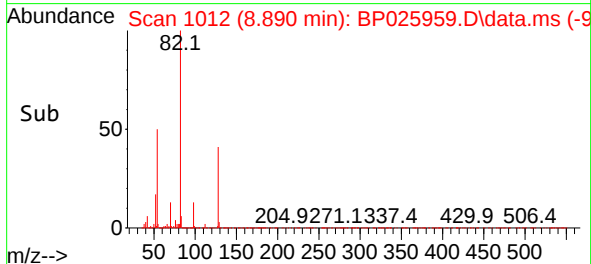
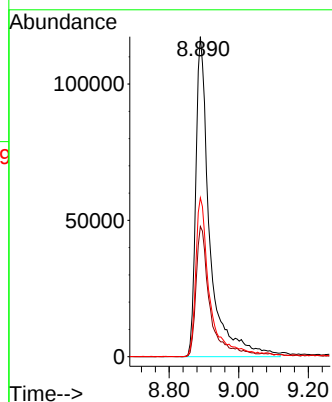
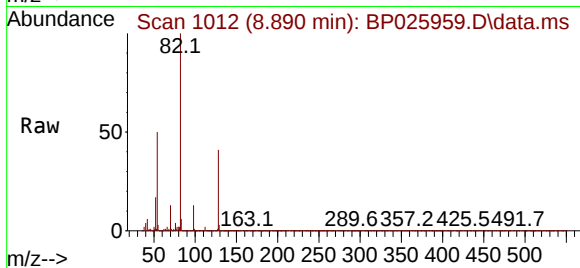
Tgt Ion: 82 Resp: 329197

Ion Ratio Lower Upper

82 100

128 40.7 32.9 49.3

54 49.6 43.4 65.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.348 min Scan# 1940

Delta R.T. 0.011 min

Lab File: BP025959.D

Acq: 08 Oct 2025 18:51

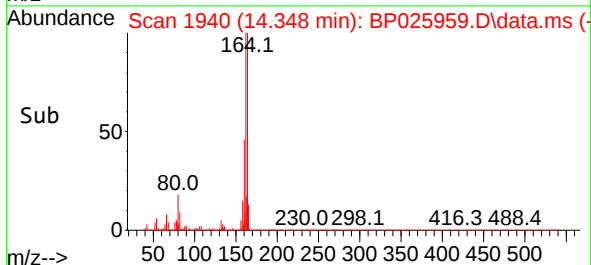
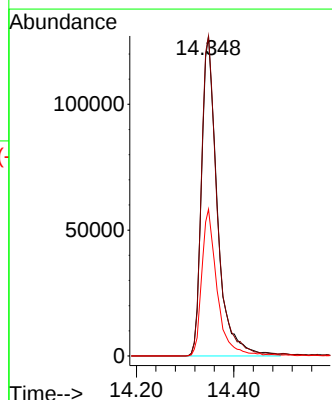
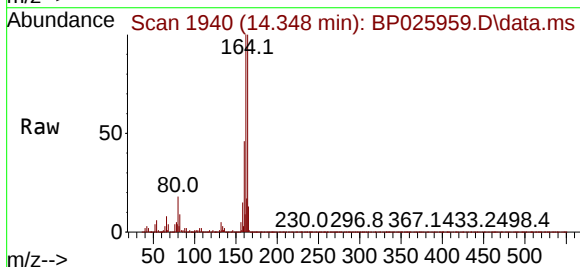
Tgt Ion:164 Resp: 286180

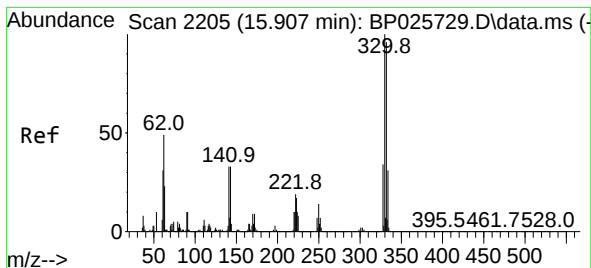
Ion Ratio Lower Upper

164 100

162 100.1 80.6 120.8

160 45.9 35.0 52.6

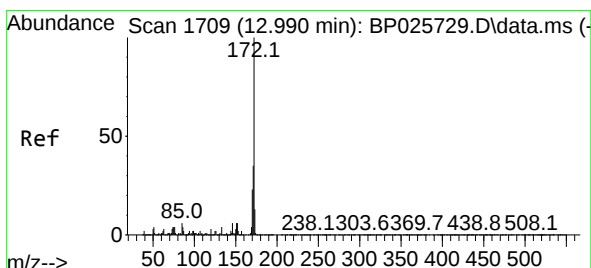
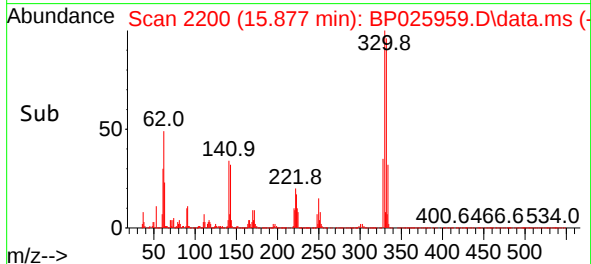
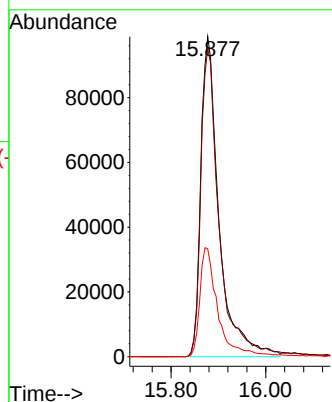
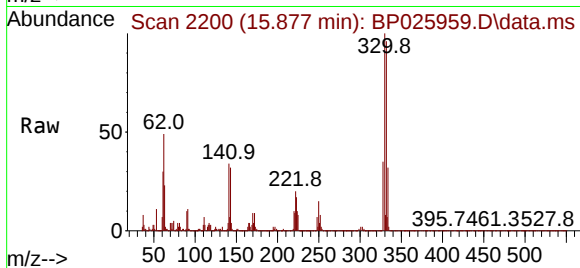




#42
2,4,6-Tribromophenol
Concen: 73.886 ng
RT: 15.877 min Scan# 21
Delta R.T. 0.023 min
Lab File: BP025959.D
Acq: 08 Oct 2025 18:51

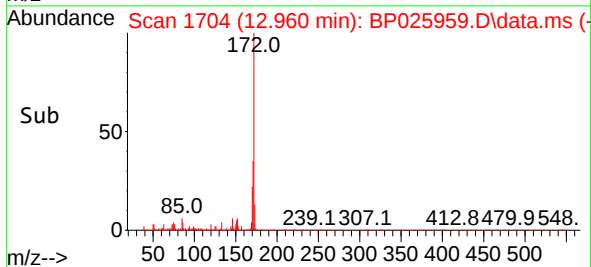
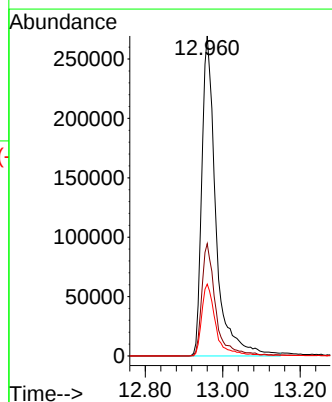
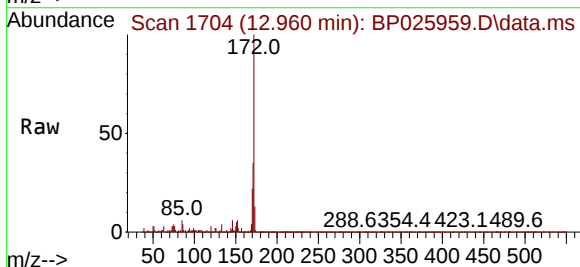
Instrument :
BNA_P
ClientSampleId :
S-3(6.0-6.5)

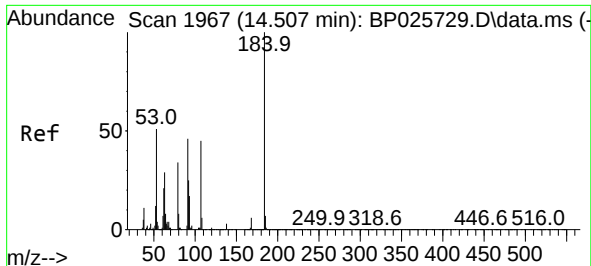
Tgt Ion:330 Resp: 264062
Ion Ratio Lower Upper
330 100
332 97.0 76.9 115.3
141 34.1 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 32.026 ng
RT: 12.960 min Scan# 1704
Delta R.T. 0.011 min
Lab File: BP025959.D
Acq: 08 Oct 2025 18:51

Tgt Ion:172 Resp: 682272
Ion Ratio Lower Upper
172 100
171 35.1 27.8 41.6
170 22.5 18.6 27.8

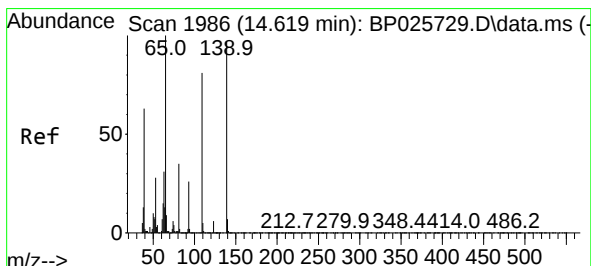
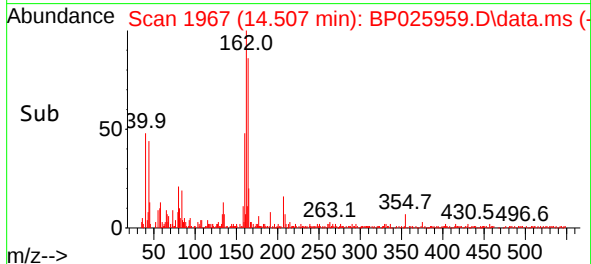
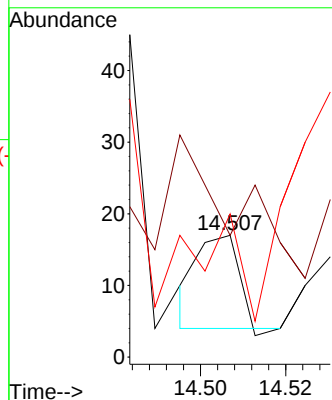
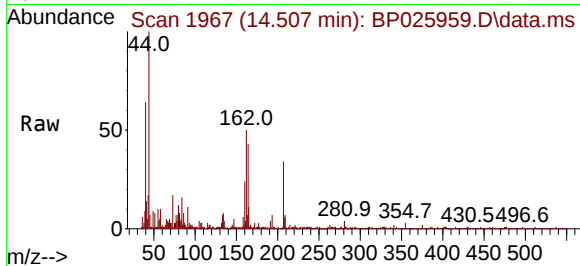




#54
2,4-Dinitrophenol
Concen: 4.823 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.017 min
Lab File: BP025959.D
Acq: 08 Oct 2025 18:51

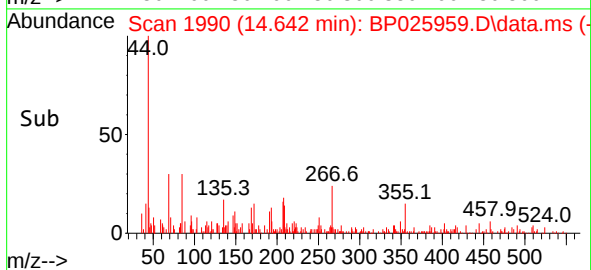
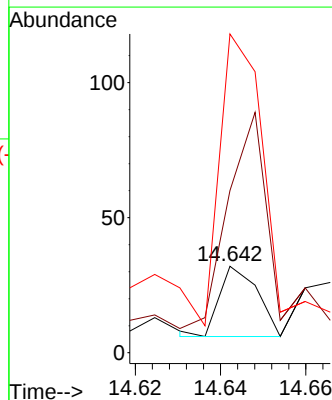
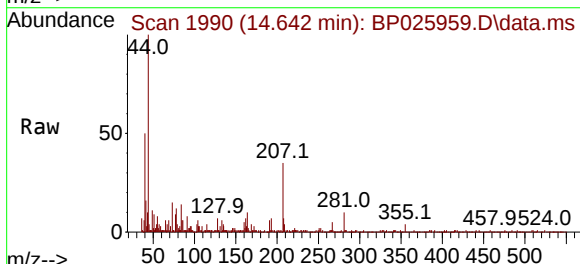
Instrument :
BNA_P
ClientSampleId :
S-3(6.0-6.5)

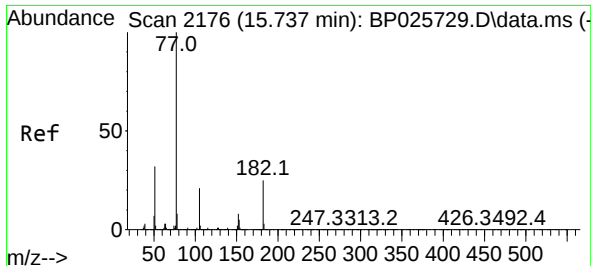
Tgt Ion:184 Resp: 8
Ion Ratio Lower Upper
184 100
63 100.0 52.5 78.7#
154 117.6 51.5 77.3#



#56
4-Nitrophenol
Concen: 4.538 ng
RT: 14.642 min Scan# 1990
Delta R.T. 0.011 min
Lab File: BP025959.D
Acq: 08 Oct 2025 18:51

Tgt Ion:139 Resp: 16
Ion Ratio Lower Upper
139 100
109 187.5 62.9 102.9#
65 387.5 83.4 123.4#

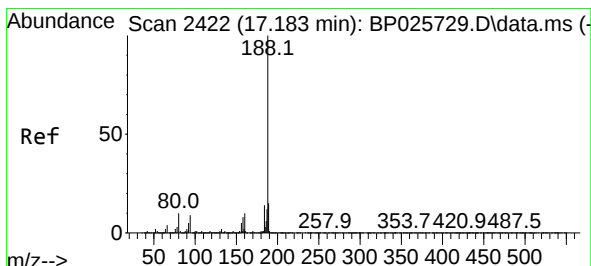
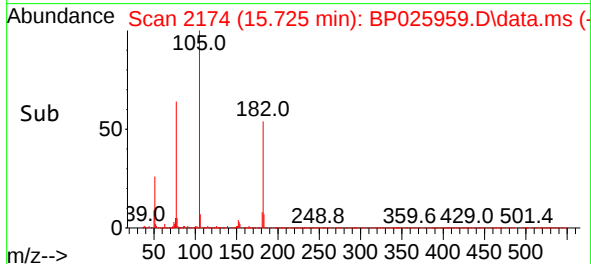
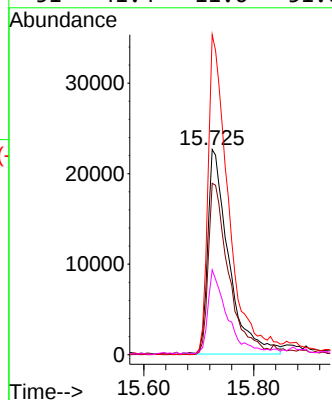
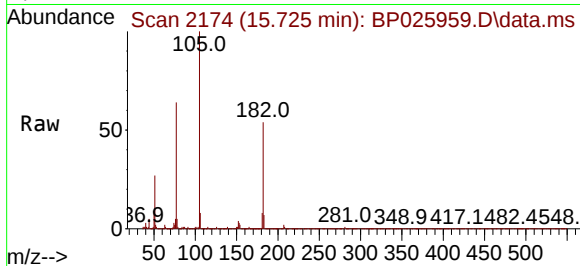




#63
Azobenzene
Concen: 2.848 ng
RT: 15.725 min Scan# 2176
Delta R.T. 0.035 min
Lab File: BP025959.D
Acq: 08 Oct 2025 18:51

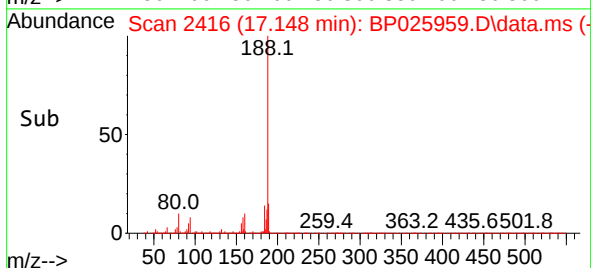
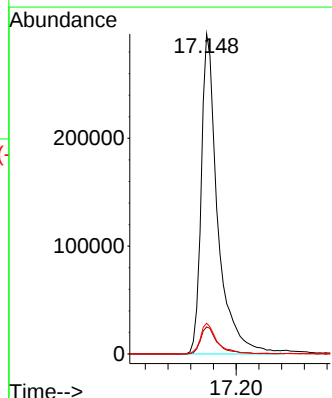
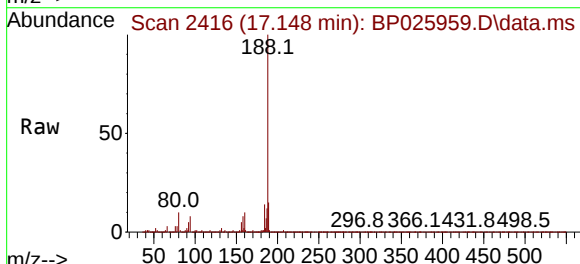
Instrument :
BNA_P
ClientSampleId :
S-3(6.0-6.5)

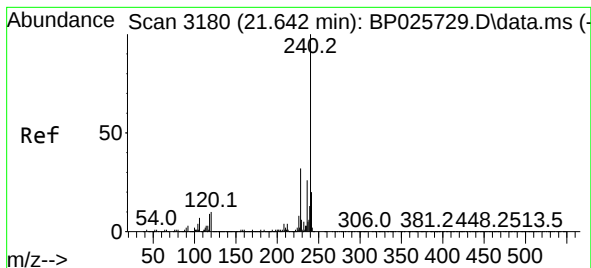
Tgt Ion: 77	Resp: 59759
Ion Ratio	Lower Upper
77 100	
182 83.6	5.2 45.2#
105 156.0	1.1 41.1#
51 41.4	11.6 51.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.148 min Scan# 2416
Delta R.T. 0.017 min
Lab File: BP025959.D
Acq: 08 Oct 2025 18:51

Tgt Ion: 188	Resp: 599775
Ion Ratio	Lower Upper
188 100	
94 8.4	7.4 11.0
80 9.6	7.7 11.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.589 min Scan# 31

Delta R.T. 0.017 min

Lab File: BP025959.D

Acq: 08 Oct 2025 18:51

Instrument :

BNA_P

ClientSampleId :

S-3(6.0-6.5)

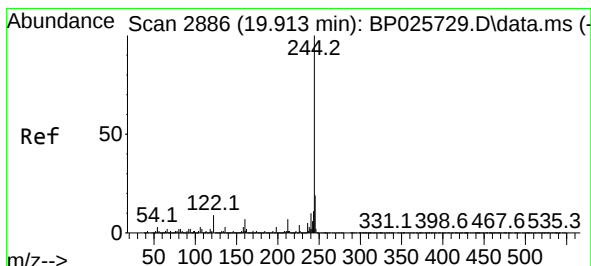
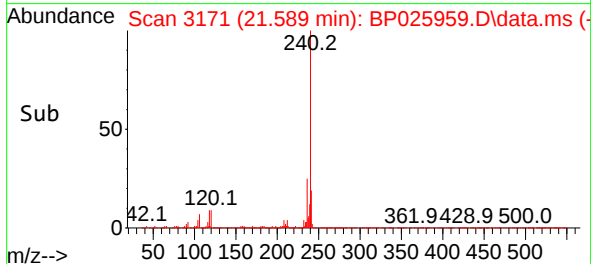
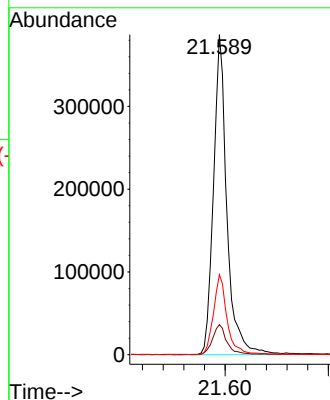
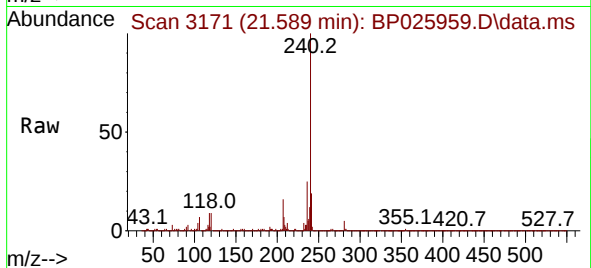
Tgt Ion:240 Resp: 693716

Ion Ratio Lower Upper

240 100

120 9.4 8.0 12.0

236 25.0 20.7 31.1



#79

Terphenyl-d14

Concen: 38.132 ng

RT: 19.860 min Scan# 2877

Delta R.T. 0.006 min

Lab File: BP025959.D

Acq: 08 Oct 2025 18:51

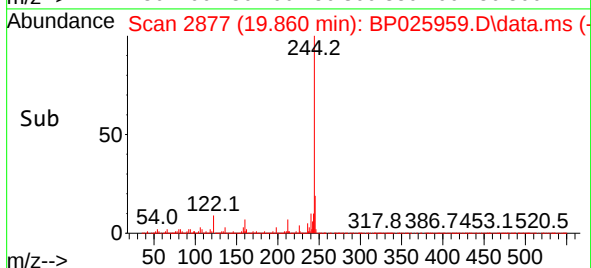
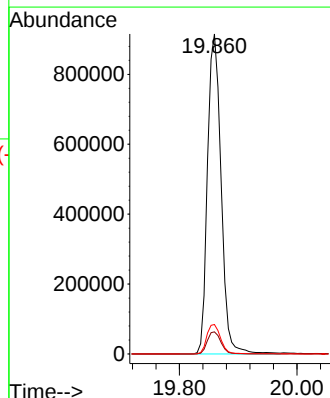
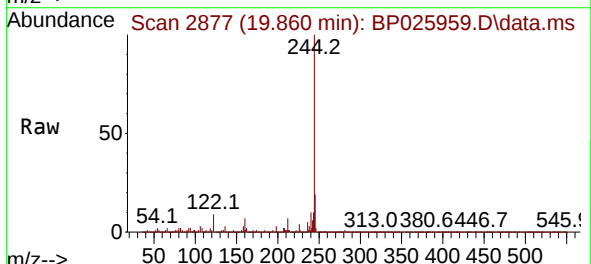
Tgt Ion:244 Resp: 1467018

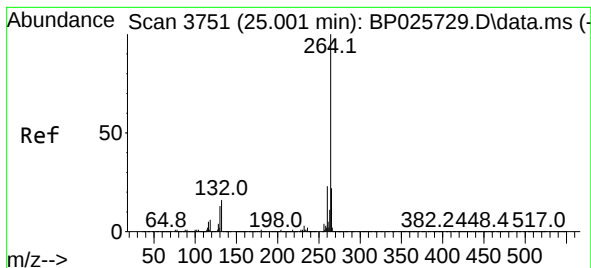
Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

122 9.2 7.1 10.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.918 min Scan# 31

Delta R.T. -0.000 min

Lab File: BP025959.D

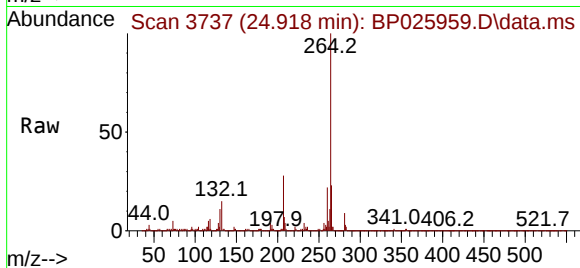
Acq: 08 Oct 2025 18:51

Instrument :

BNA_P

ClientSampleId :

S-3(6.0-6.5)



Tgt Ion:264 Resp: 790565

Ion Ratio Lower Upper

264 100

260 22.3 18.3 27.5

265 23.1 17.3 25.9

