

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
 Data File : BP025540.D
 Acq On : 21 Aug 2025 14:56
 Operator : CG/JU
 Sample : Q2819-16 2X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 38M-S

Quant Time: Aug 21 16:21:53 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)

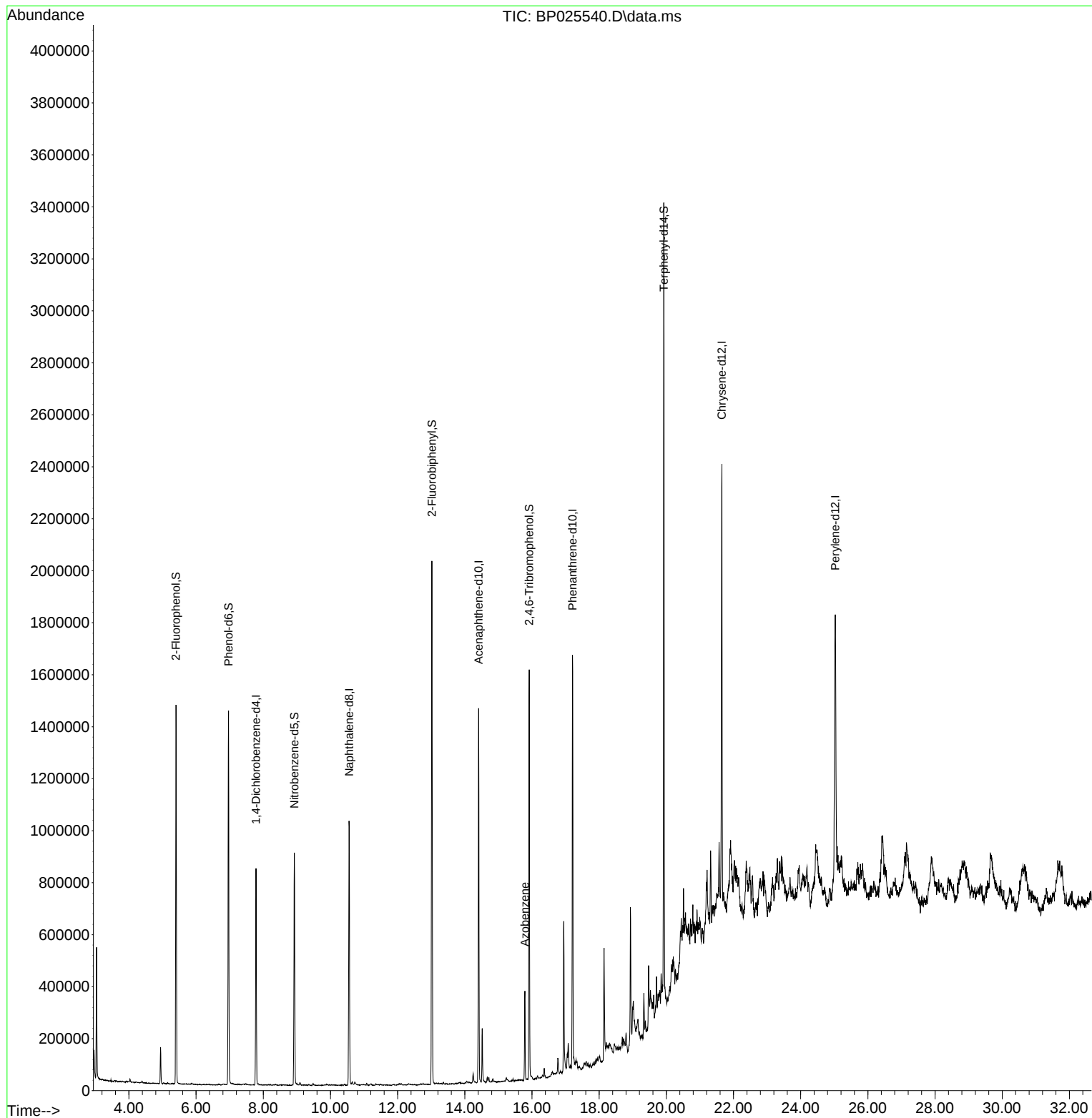
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	225369	20.000	ng	-0.01
21) Naphthalene-d8	10.554	136	870787	20.000	ng	0.00
39) Acenaphthene-d10	14.413	164	494598	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	919172	20.000	ng	0.00
76) Chrysene-d12	21.653	240	943340	20.000	ng	0.00
86) Perylene-d12	25.030	264	1078825	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.401	112	616957	45.462	ng	0.00
7) Phenol-d6	6.966	99	798559	45.897	ng	0.00
23) Nitrobenzene-d5	8.925	82	510918	29.680	ng	-0.01
42) 2,4,6-Tribromophenol	15.918	330	290548	43.643	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	1086901	30.033	ng	0.00
79) Terphenyl-d14	19.924	244	1460247	28.321	ng	0.00
Target Compounds						
63) Azobenzene	15.789	77	95879	3.043	ng	Qvalue # 1

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

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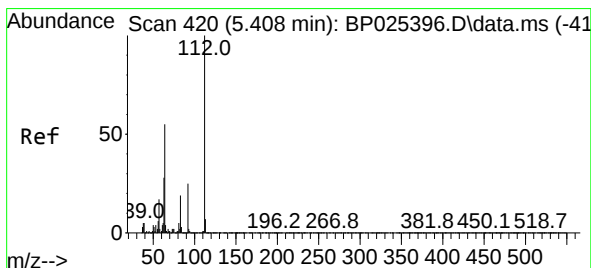
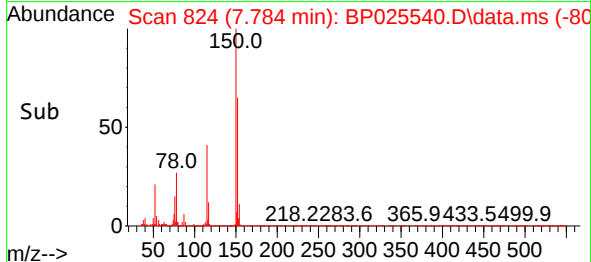
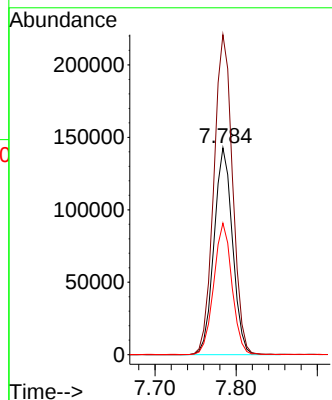
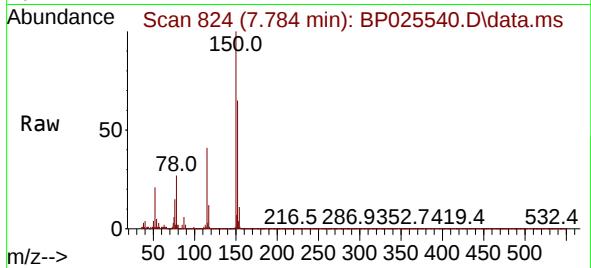




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025540.D
Acq: 21 Aug 2025 14:56

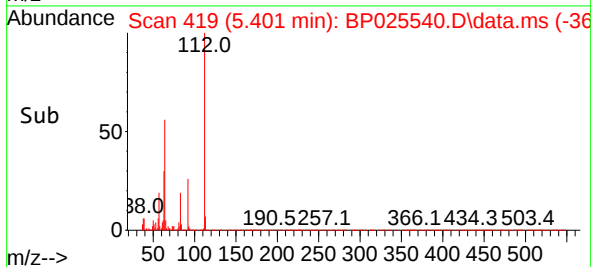
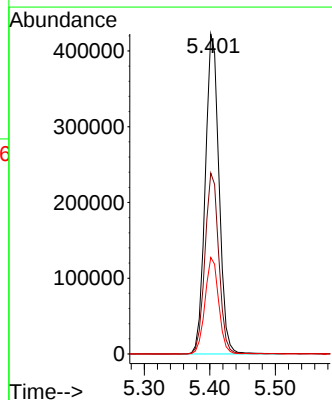
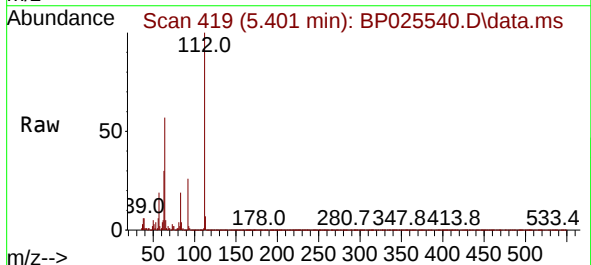
Instrument :
BNA_P
ClientSampleId :
38M-S

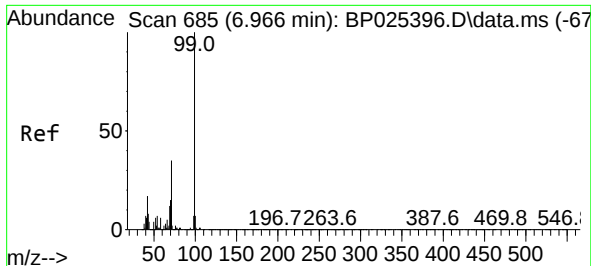
Tgt Ion:152 Resp: 225369
Ion Ratio Lower Upper
152 100
150 154.7 125.9 188.9
115 63.6 48.5 72.7



#5
2-Fluorophenol
Concen: 45.462 ng
RT: 5.401 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP025540.D
Acq: 21 Aug 2025 14:56

Tgt Ion:112 Resp: 616957
Ion Ratio Lower Upper
112 100
64 56.5 43.8 65.8
63 30.2 22.7 34.1

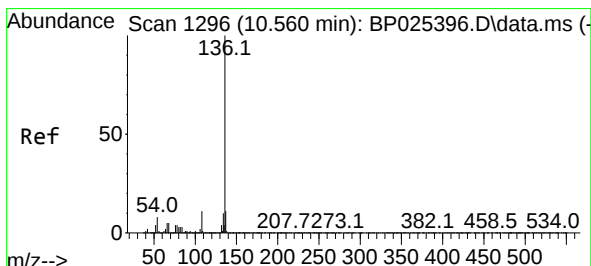
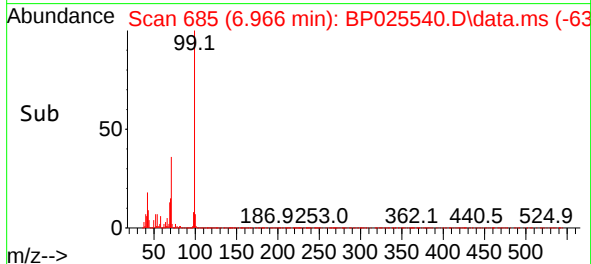
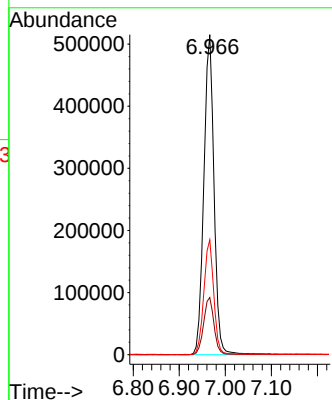
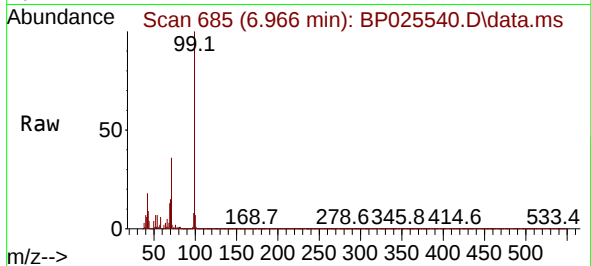




#7
Phenol-d6
Concen: 45.897 ng
RT: 6.966 min Scan# 685
Delta R.T. -0.000 min
Lab File: BP025540.D
Acq: 21 Aug 2025 14:56

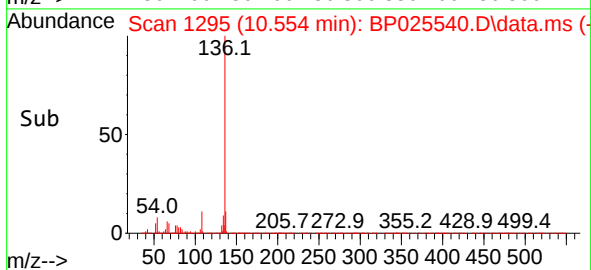
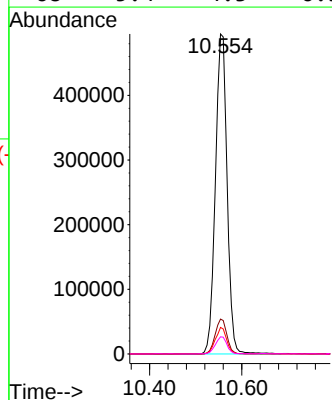
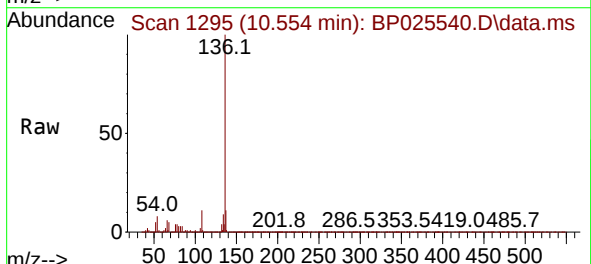
Instrument :
BNA_P
ClientSampleId :
38M-S

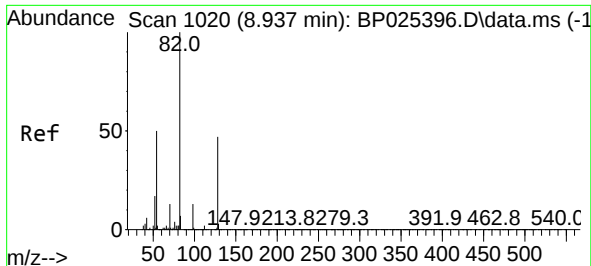
Tgt Ion: 99 Resp: 798559
Ion Ratio Lower Upper
99 100
42 17.9 13.7 20.5
71 35.9 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025540.D
Acq: 21 Aug 2025 14:56

Tgt Ion: 136 Resp: 870787
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 8.3 6.0 9.0
68 5.4 4.3 6.5

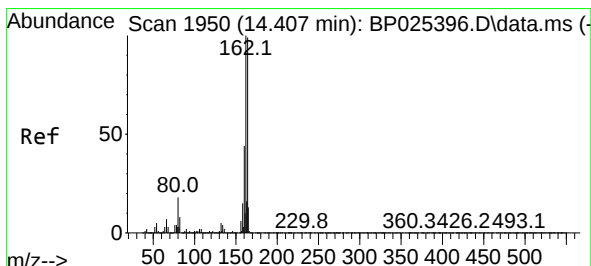
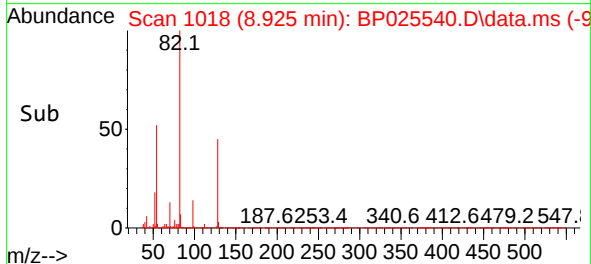
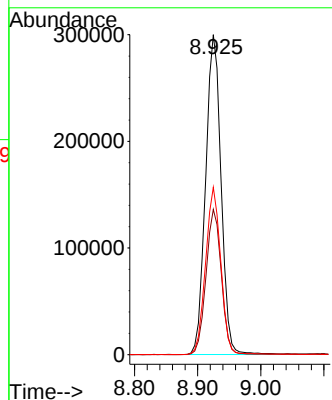
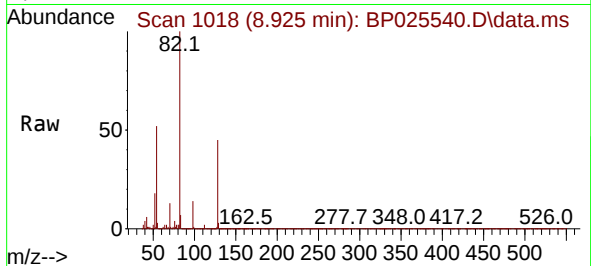




#23
Nitrobenzene-d5
Concen: 29.680 ng
RT: 8.925 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP025540.D
Acq: 21 Aug 2025 14:56

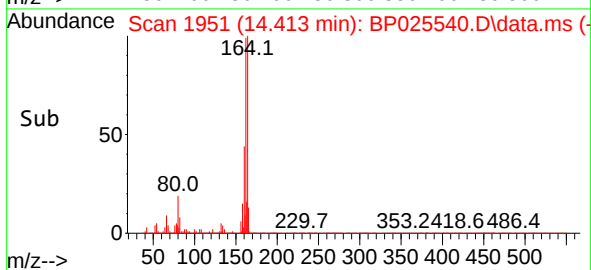
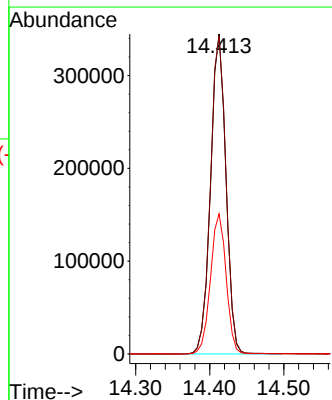
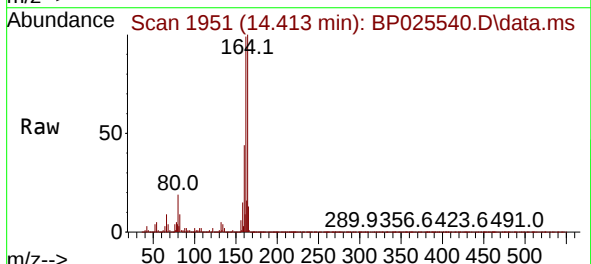
Instrument :
BNA_P
ClientSampleId :
38M-S

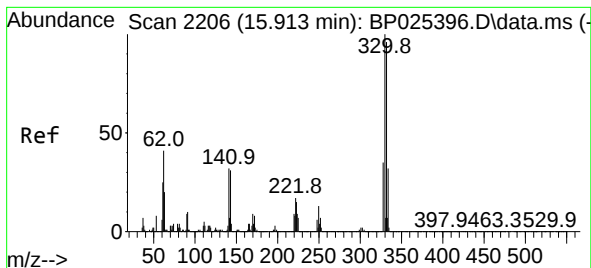
Tgt Ion: 82 Resp: 510918
Ion Ratio Lower Upper
82 100
128 45.4 37.7 56.5
54 52.3 39.8 59.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1951
Delta R.T. 0.006 min
Lab File: BP025540.D
Acq: 21 Aug 2025 14:56

Tgt Ion:164 Resp: 494598
Ion Ratio Lower Upper
164 100
162 99.4 81.0 121.6
160 43.8 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 43.643 ng

RT: 15.918 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025540.D

Acq: 21 Aug 2025 14:56

Instrument :

BNA_P

ClientSampleId :

38M-S

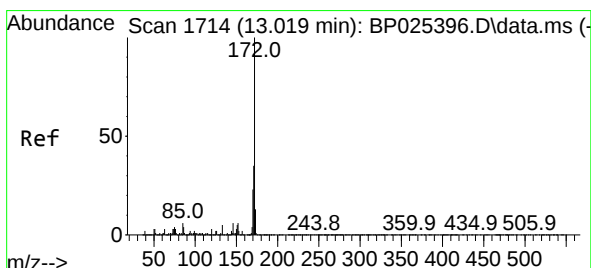
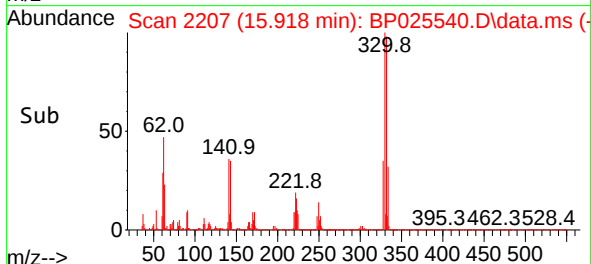
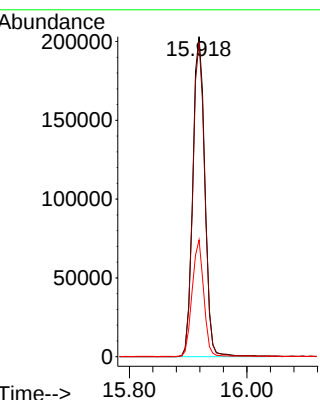
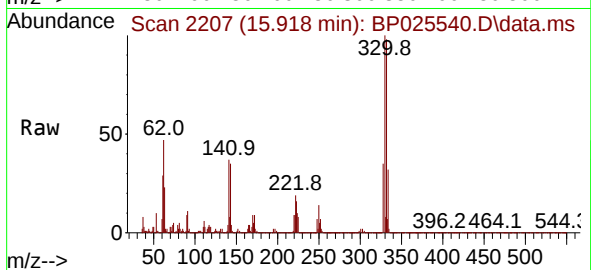
Tgt Ion:330 Resp: 290548

Ion Ratio Lower Upper

330 100

332 96.9 77.3 115.9

141 34.8 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 30.033 ng

RT: 13.019 min Scan# 1714

Delta R.T. -0.000 min

Lab File: BP025540.D

Acq: 21 Aug 2025 14:56

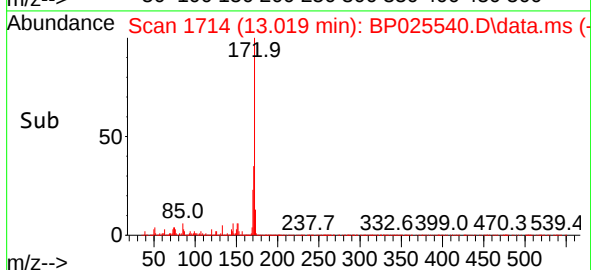
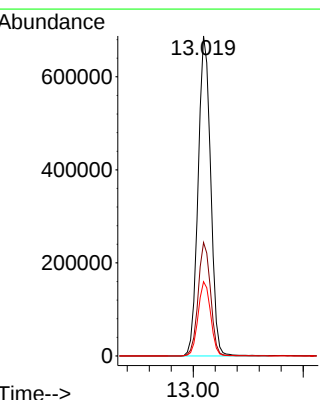
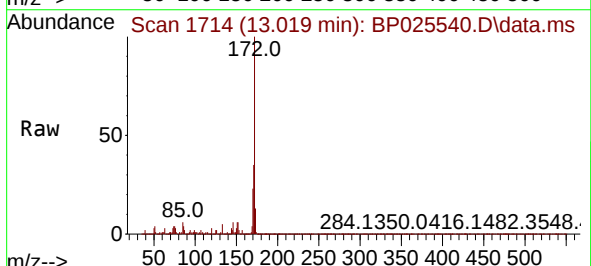
Tgt Ion:172 Resp: 1086901

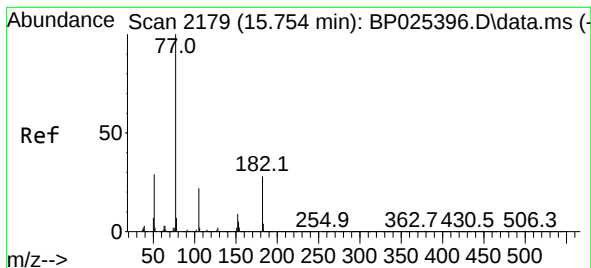
Ion Ratio Lower Upper

172 100

171 35.4 28.1 42.1

170 23.2 18.6 28.0





#63

Azobenzene

Concen: 3.043 ng

RT: 15.789 min Scan# 2179

Delta R.T. 0.035 min

Lab File: BP025540.D

Acq: 21 Aug 2025 14:56

Instrument :

BNA_P

ClientSampleId :

38M-S

Tgt Ion: 77 Resp: 95879

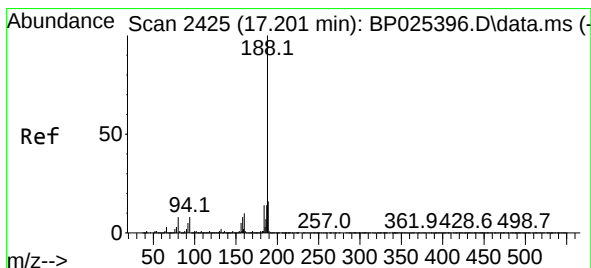
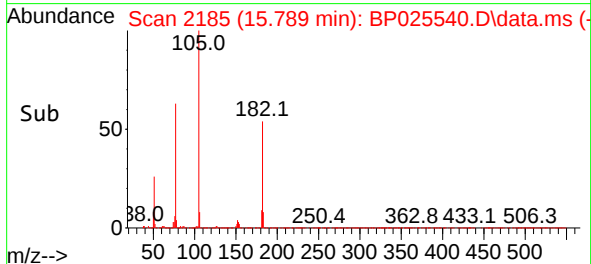
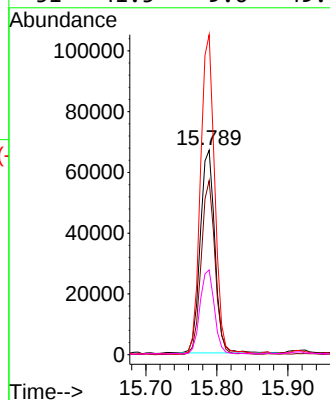
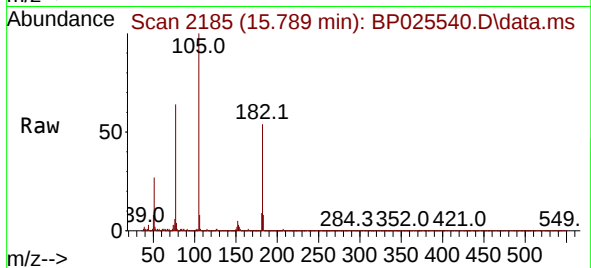
Ion Ratio Lower Upper

77 100

182 85.1 7.5 47.5#

105 156.5 2.1 42.1#

51 41.5 9.6 49.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.207 min Scan# 2426

Delta R.T. 0.006 min

Lab File: BP025540.D

Acq: 21 Aug 2025 14:56

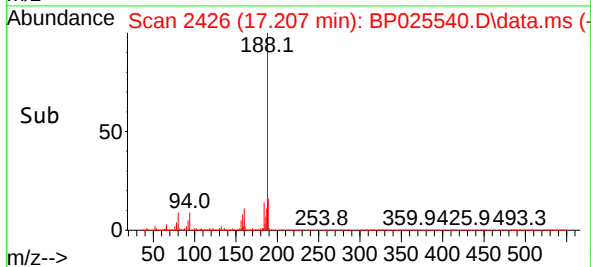
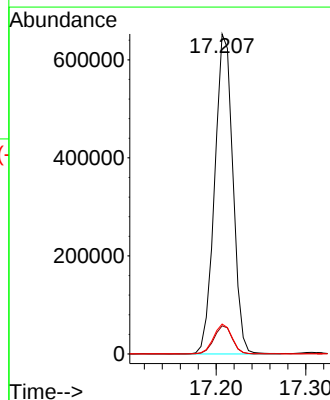
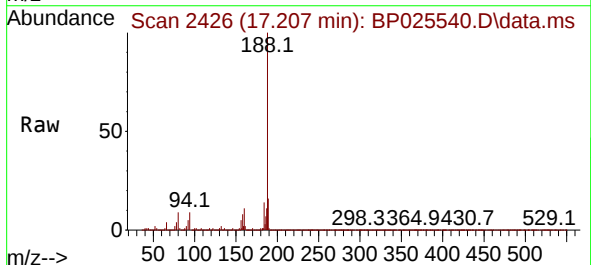
Tgt Ion:188 Resp: 919172

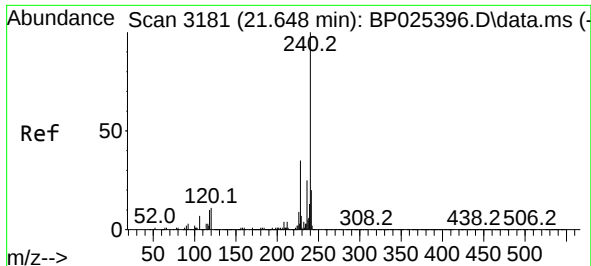
Ion Ratio Lower Upper

188 100

94 8.8 6.6 10.0

80 9.3 6.7 10.1

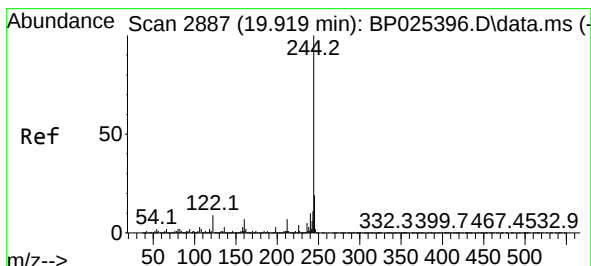
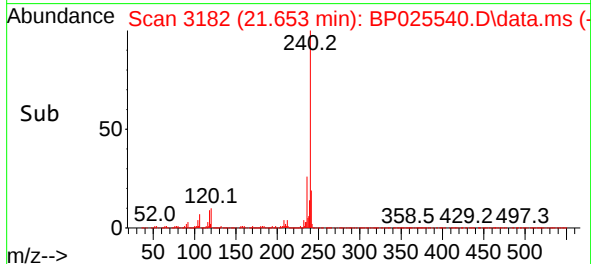
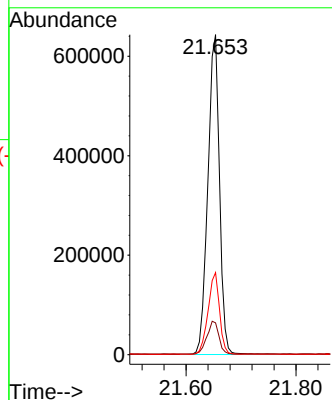
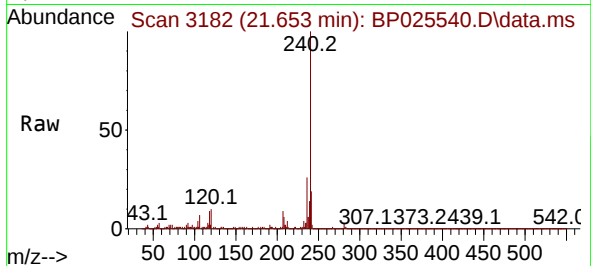




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.653 min Scan# 3181
Delta R.T. 0.006 min
Lab File: BP025540.D
Acq: 21 Aug 2025 14:56

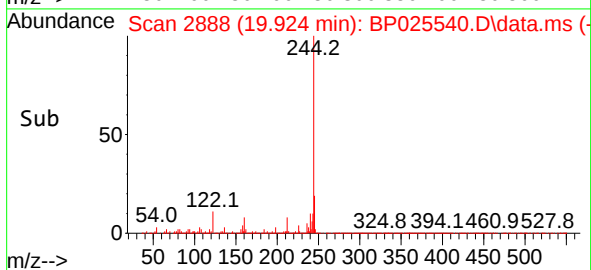
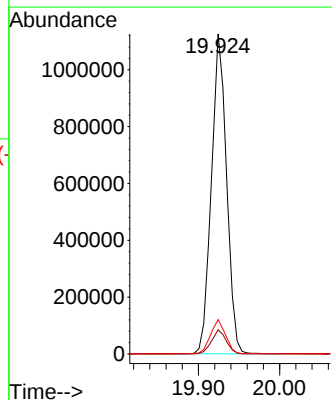
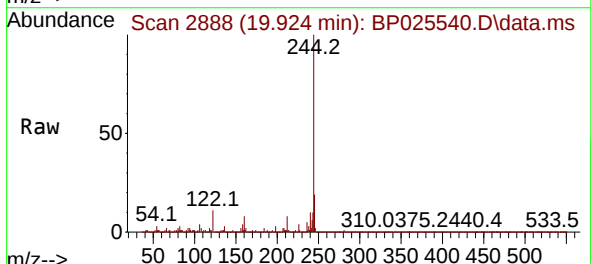
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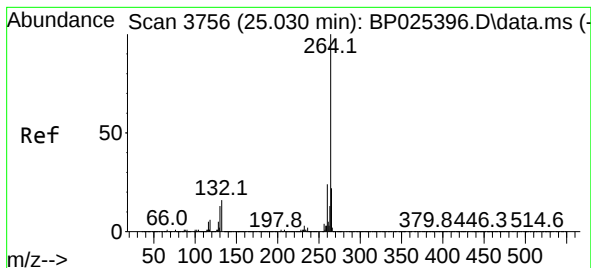
Tgt Ion:240 Resp: 943340
Ion Ratio Lower Upper
240 100
120 9.9 8.9 13.3
236 25.7 19.8 29.8



#79
Terphenyl-d14
Concen: 28.321 ng
RT: 19.924 min Scan# 2888
Delta R.T. 0.006 min
Lab File: BP025540.D
Acq: 21 Aug 2025 14:56

Tgt Ion:244 Resp: 1460247
Ion Ratio Lower Upper
244 100
212 7.6 5.8 8.6
122 10.8 7.4 11.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.030 min Scan# 31

Delta R.T. -0.000 min

Lab File: BP025540.D

Acq: 21 Aug 2025 14:56

Instrument :

BNA_P

ClientSampleId :

38M-S

Tgt Ion:264 Resp: 1078825

Ion Ratio Lower Upper

264 100

260 24.2 19.3 28.9

265 22.3 17.4 26.0

