

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
 Data File : BP025515.D
 Acq On : 20 Aug 2025 20:30
 Operator : CG/JU
 Sample : Q2819-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 22BP-W

Quant Time: Aug 21 01:37:38 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)

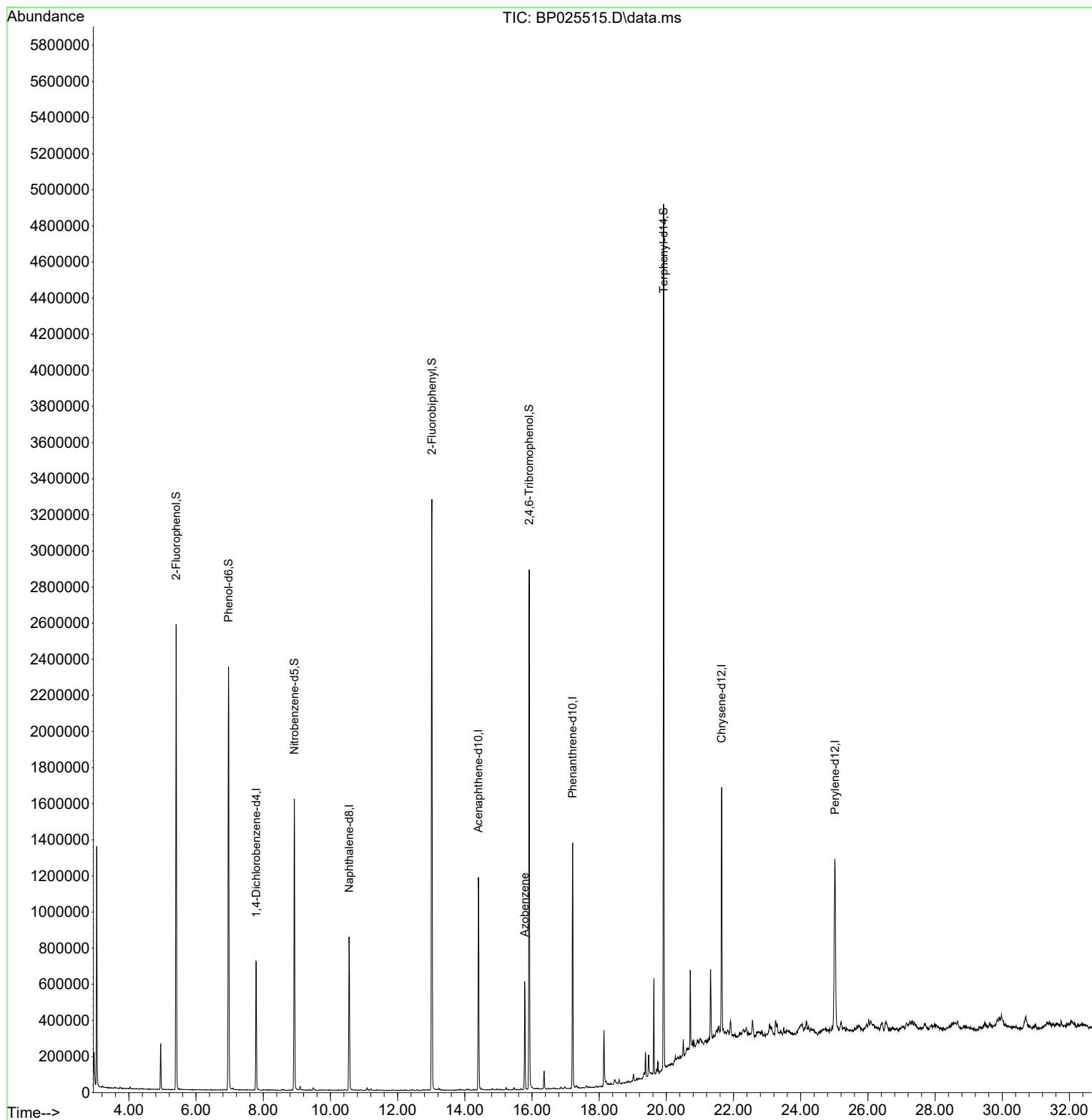
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	192599	20.000	ng	0.00
21) Naphthalene-d8	10.554	136	737181	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	449746	20.000	ng	0.00
64) Phenanthrene-d10	17.213	188	801649	20.000	ng	0.01
76) Chrysene-d12	21.648	240	794728	20.000	ng	0.00
86) Perylene-d12	25.018	264	990130	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.407	112	1103023	95.109	ng	0.00
7) Phenol-d6	6.966	99	1396946	93.951	ng	0.00
23) Nitrobenzene-d5	8.925	82	899370	61.715	ng	-0.01
42) 2,4,6-Tribromophenol	15.919	330	550944	91.011	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	1880594	57.147	ng	0.00
79) Terphenyl-d14	19.918	244	2356506	54.250	ng	0.00
Target Compounds						
63) Azobenzene	15.783	77	179146	6.252	ng	Qvalue # 1

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

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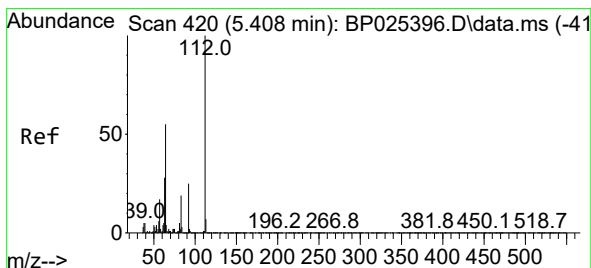
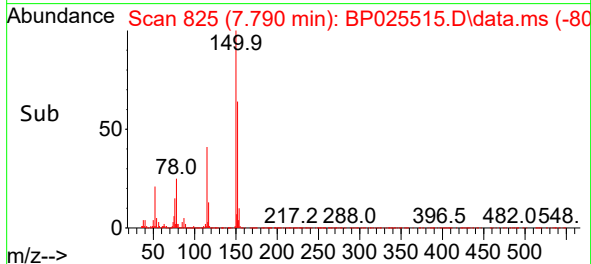
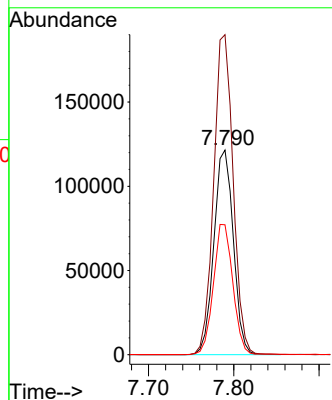
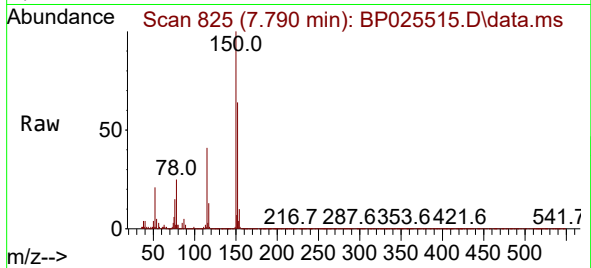




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025515.D
Acq: 20 Aug 2025 20:30

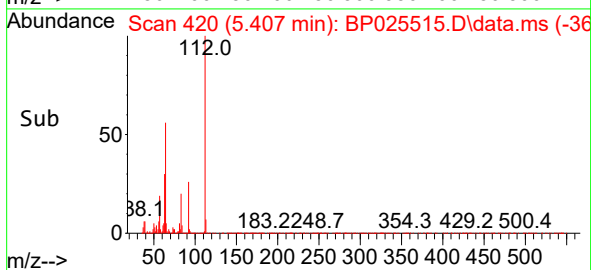
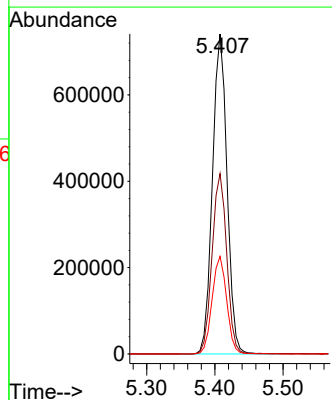
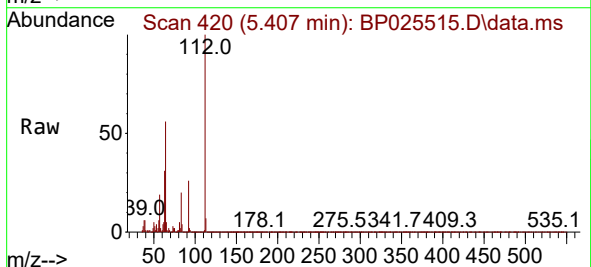
Instrument :
BNA_P
ClientSampleId :
22BP-W

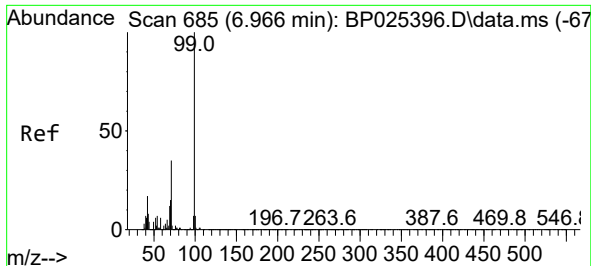
Tgt Ion:152 Resp: 192599
Ion Ratio Lower Upper
152 100
150 156.3 125.9 188.9
115 63.5 48.5 72.7



#5
2-Fluorophenol
Concen: 95.109 ng
RT: 5.407 min Scan# 420
Delta R.T. -0.000 min
Lab File: BP025515.D
Acq: 20 Aug 2025 20:30

Tgt Ion:112 Resp: 1103023
Ion Ratio Lower Upper
112 100
64 56.3 43.8 65.8
63 30.5 22.7 34.1

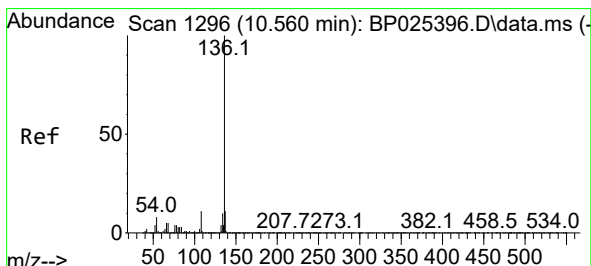
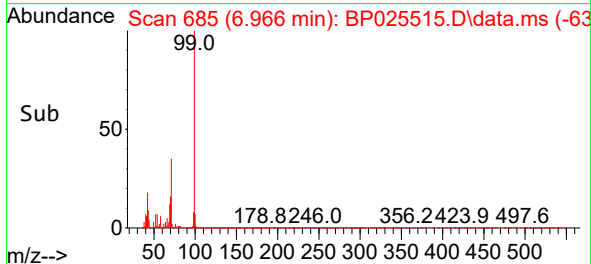
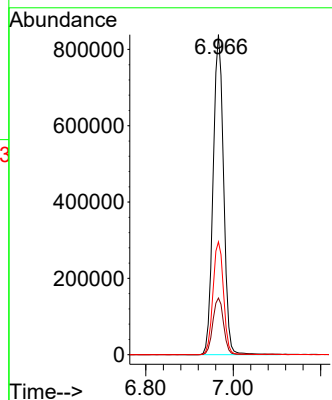
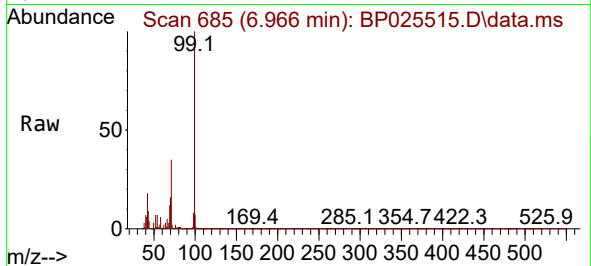




#7
Phenol-d6
Concen: 93.951 ng
RT: 6.966 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP025515.D
Acq: 20 Aug 2025 20:30

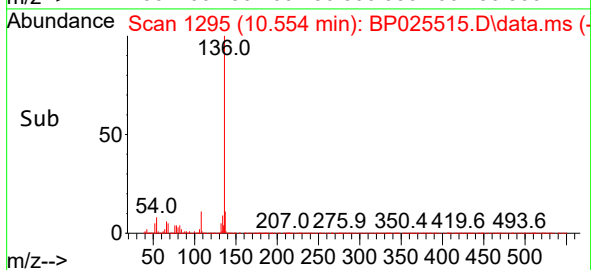
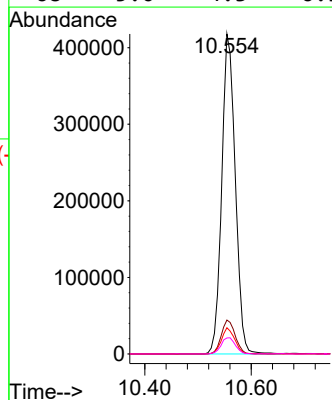
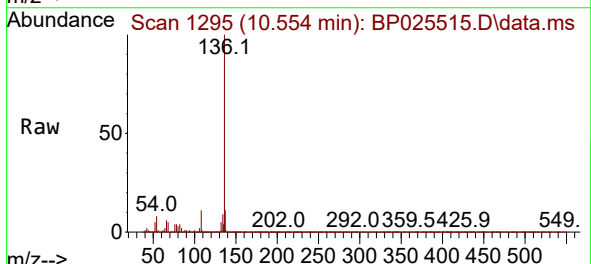
Instrument :
BNA_P
ClientSampleId :
22BP-W

Tgt Ion: 99 Resp: 1396946
Ion Ratio Lower Upper
99 100
42 17.7 13.7 20.5
71 35.3 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: BP025515.D
Acq: 20 Aug 2025 20:30

Tgt Ion:136 Resp: 737181
Ion Ratio Lower Upper
136 100
137 10.6 9.2 13.8
54 8.2 6.0 9.0
68 5.0 4.3 6.5

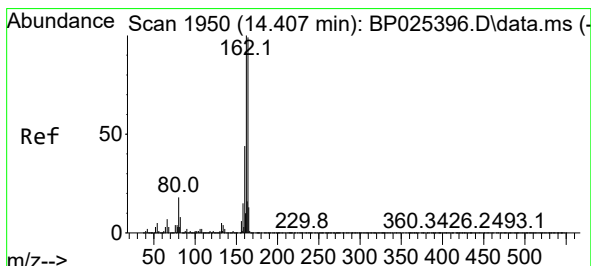
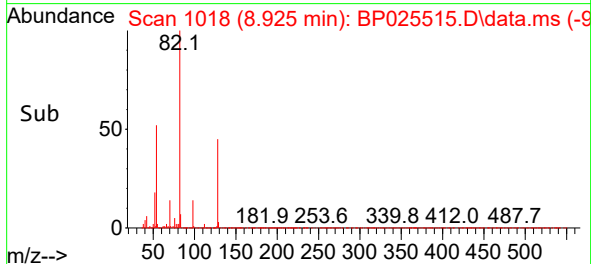
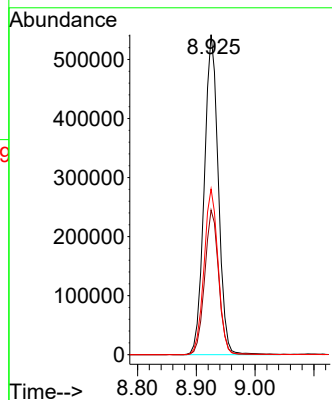
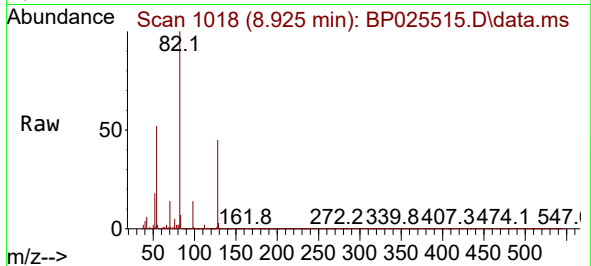




#23
Nitrobenzene-d5
Concen: 61.715 ng
RT: 8.925 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP025515.D
Acq: 20 Aug 2025 20:30

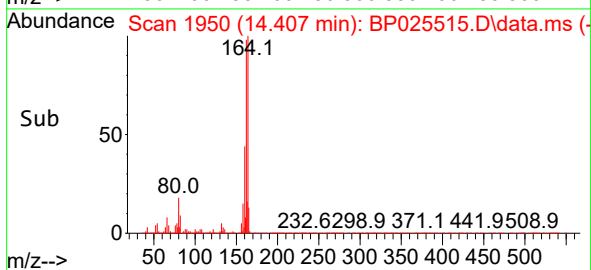
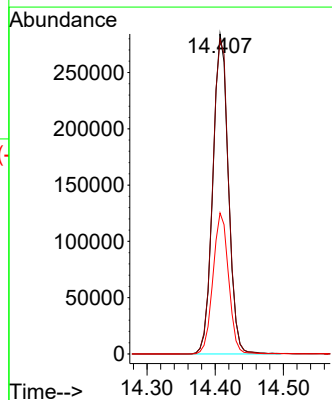
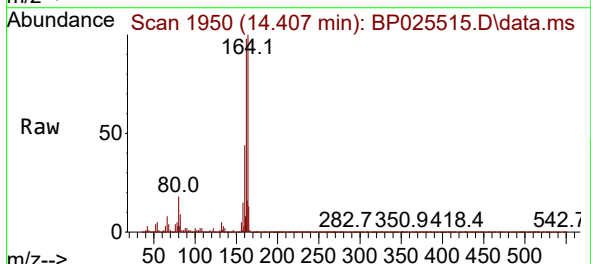
Instrument :
BNA_P
ClientSampleId :
22BP-W

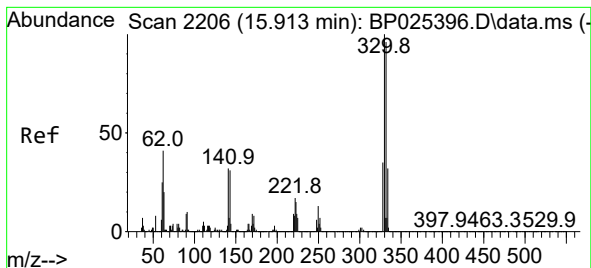
Tgt Ion: 82 Resp: 899370
Ion Ratio Lower Upper
82 100
128 45.2 37.7 56.5
54 51.8 39.8 59.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1950
Delta R.T. -0.000 min
Lab File: BP025515.D
Acq: 20 Aug 2025 20:30

Tgt Ion:164 Resp: 449746
Ion Ratio Lower Upper
164 100
162 98.3 81.0 121.6
160 44.1 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 91.011 ng

RT: 15.919 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025515.D

Acq: 20 Aug 2025 20:30

Instrument :

BNA_P

ClientSampleId :

22BP-W

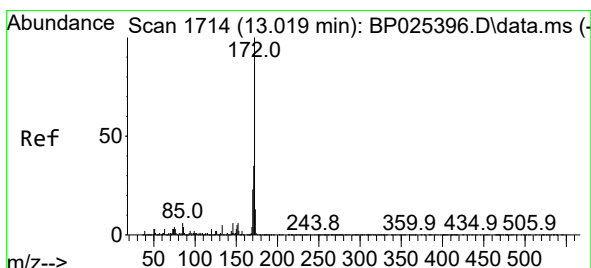
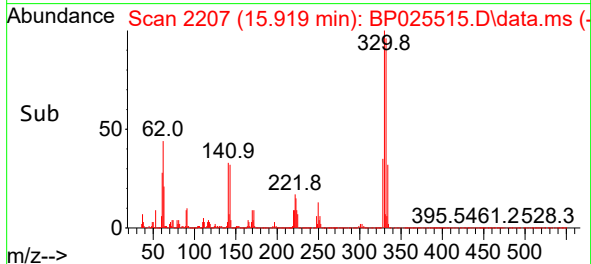
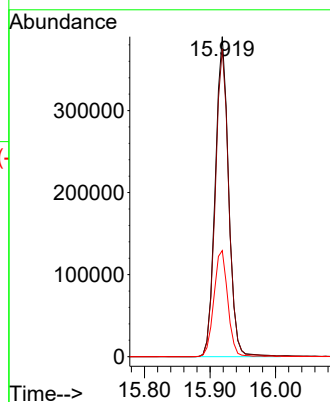
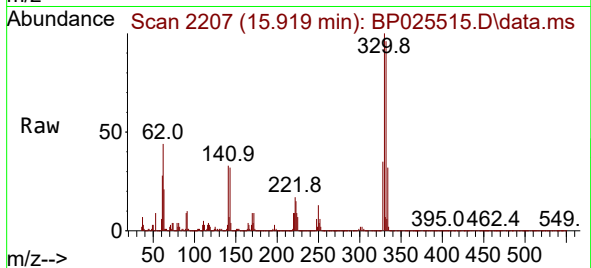
Tgt Ion:330 Resp: 550944

Ion Ratio Lower Upper

330 100

332 97.3 77.3 115.9

141 34.7 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 57.147 ng

RT: 13.019 min Scan# 1714

Delta R.T. -0.000 min

Lab File: BP025515.D

Acq: 20 Aug 2025 20:30

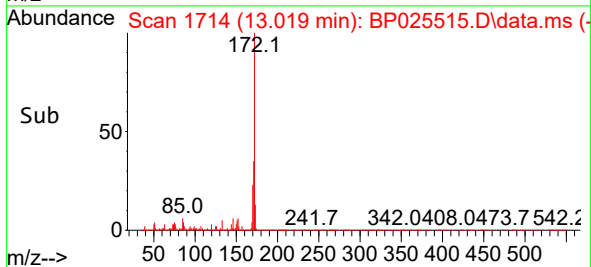
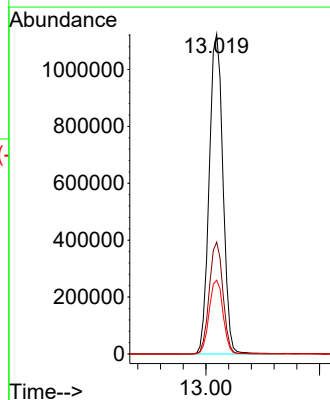
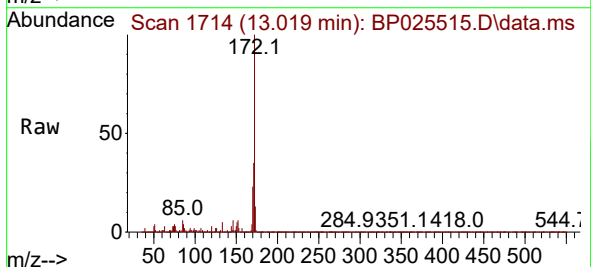
Tgt Ion:172 Resp: 1880594

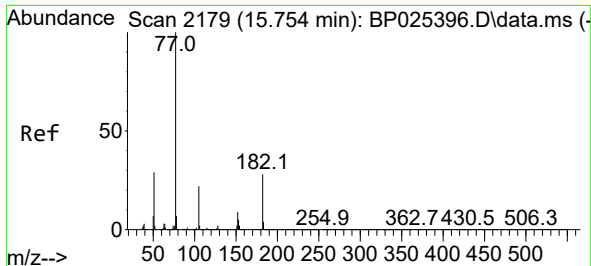
Ion Ratio Lower Upper

172 100

171 35.0 28.1 42.1

170 23.0 18.6 28.0

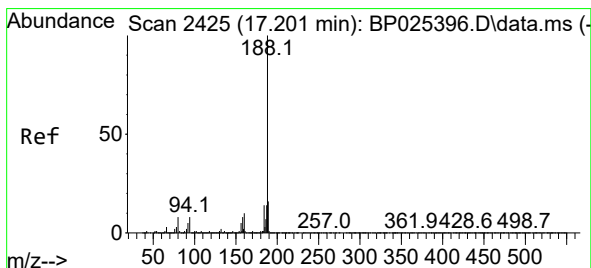
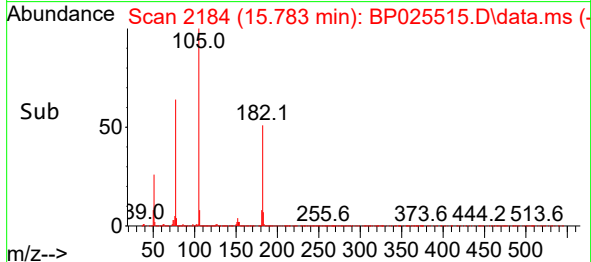
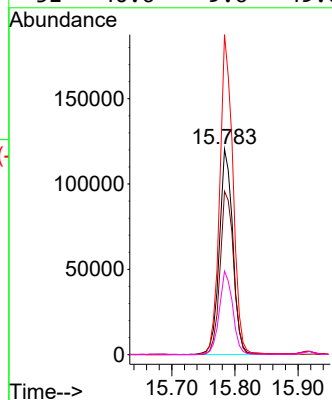
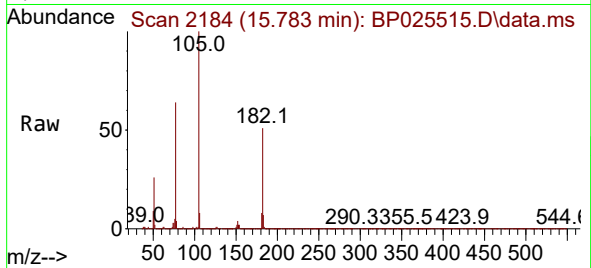




#63
Azobenzene
Concen: 6.252 ng
RT: 15.783 min Scan# 2179
Delta R.T. 0.029 min
Lab File: BP025515.D
Acq: 20 Aug 2025 20:30

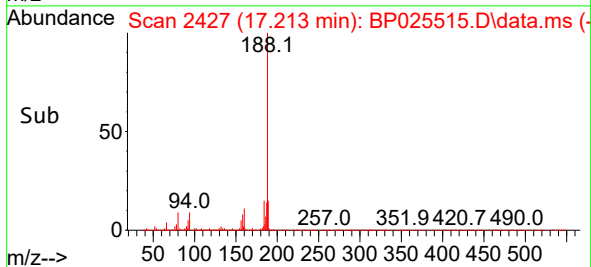
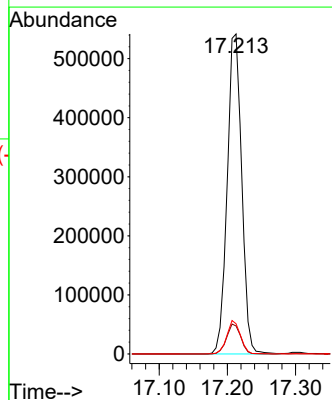
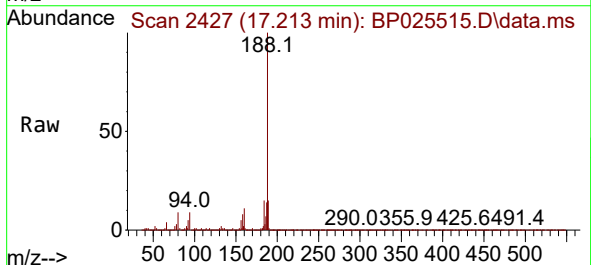
Instrument :
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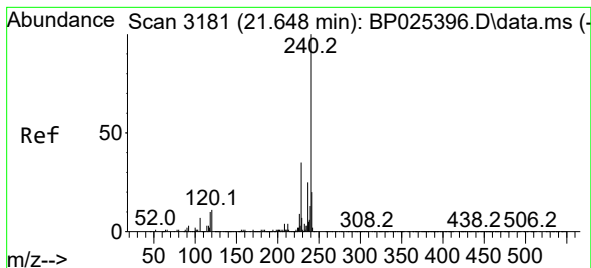
Tgt Ion: 77 Resp: 179146
Ion Ratio Lower Upper
77 100
182 79.5 7.5 47.5#
105 155.7 2.1 42.1#
51 40.6 9.6 49.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.213 min Scan# 2427
Delta R.T. 0.012 min
Lab File: BP025515.D
Acq: 20 Aug 2025 20:30

Tgt Ion:188 Resp: 801649
Ion Ratio Lower Upper
188 100
94 8.7 6.6 10.0
80 9.4 6.7 10.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.648 min Scan# 3181

Delta R.T. -0.000 min

Lab File: BP025515.D

Acq: 20 Aug 2025 20:30

Instrument :

BNA_P

ClientSampleId :

22BP-W

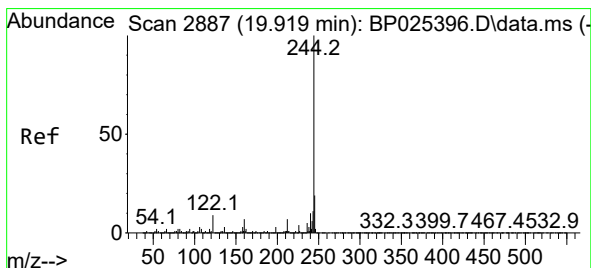
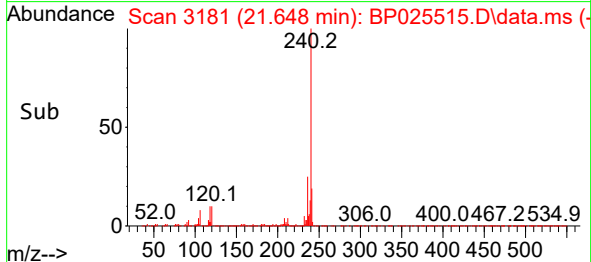
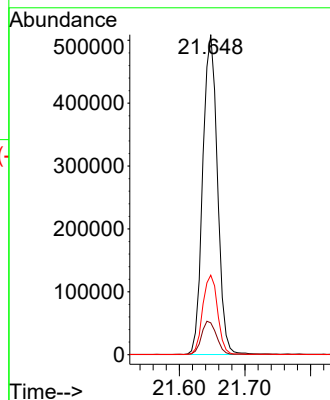
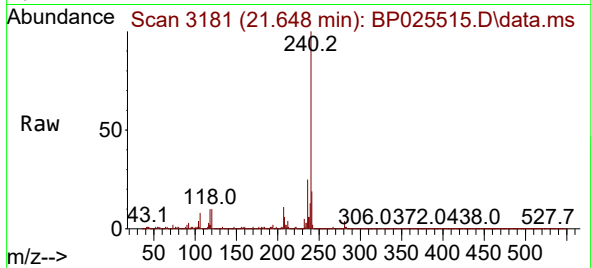
Tgt Ion:240 Resp: 794728

Ion Ratio Lower Upper

240 100

120 10.0 8.9 13.3

236 24.9 19.8 29.8



#79

Terphenyl-d14

Concen: 54.250 ng

RT: 19.918 min Scan# 2887

Delta R.T. -0.000 min

Lab File: BP025515.D

Acq: 20 Aug 2025 20:30

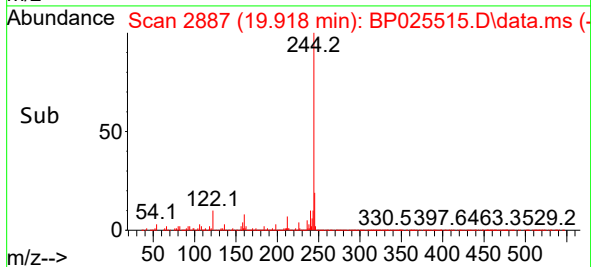
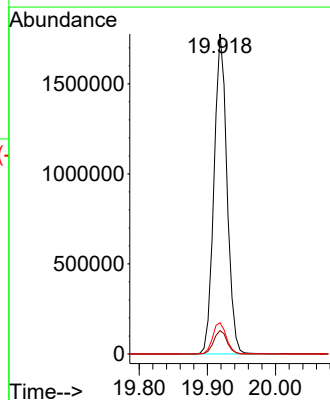
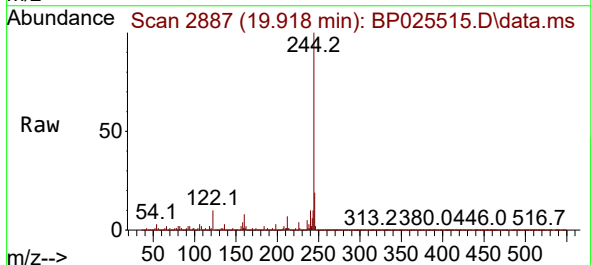
Tgt Ion:244 Resp: 2356506

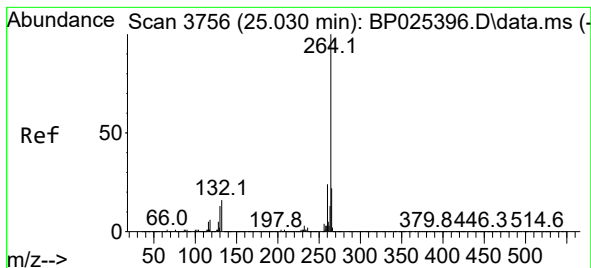
Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

122 9.7 7.4 11.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.018 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP025515.D

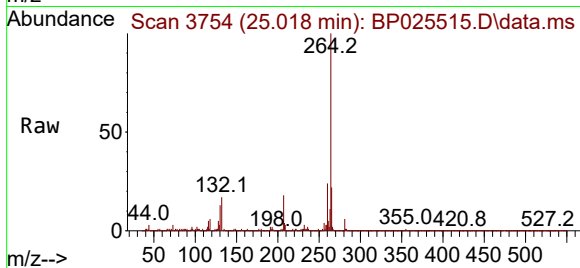
Acq: 20 Aug 2025 20:30

Instrument :

BNA_P

ClientSampleId :

22BP-W



Tgt Ion:264 Resp: 990130

Ion Ratio Lower Upper

264 100

260 23.6 19.3 28.9

265 21.7 17.4 26.0

