

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
 Data File : BP025523.D
 Acq On : 21 Aug 2025 01:56
 Operator : CG/JU
 Sample : Q2820-23
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 22M-E

Quant Time: Aug 21 03:07:08 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)

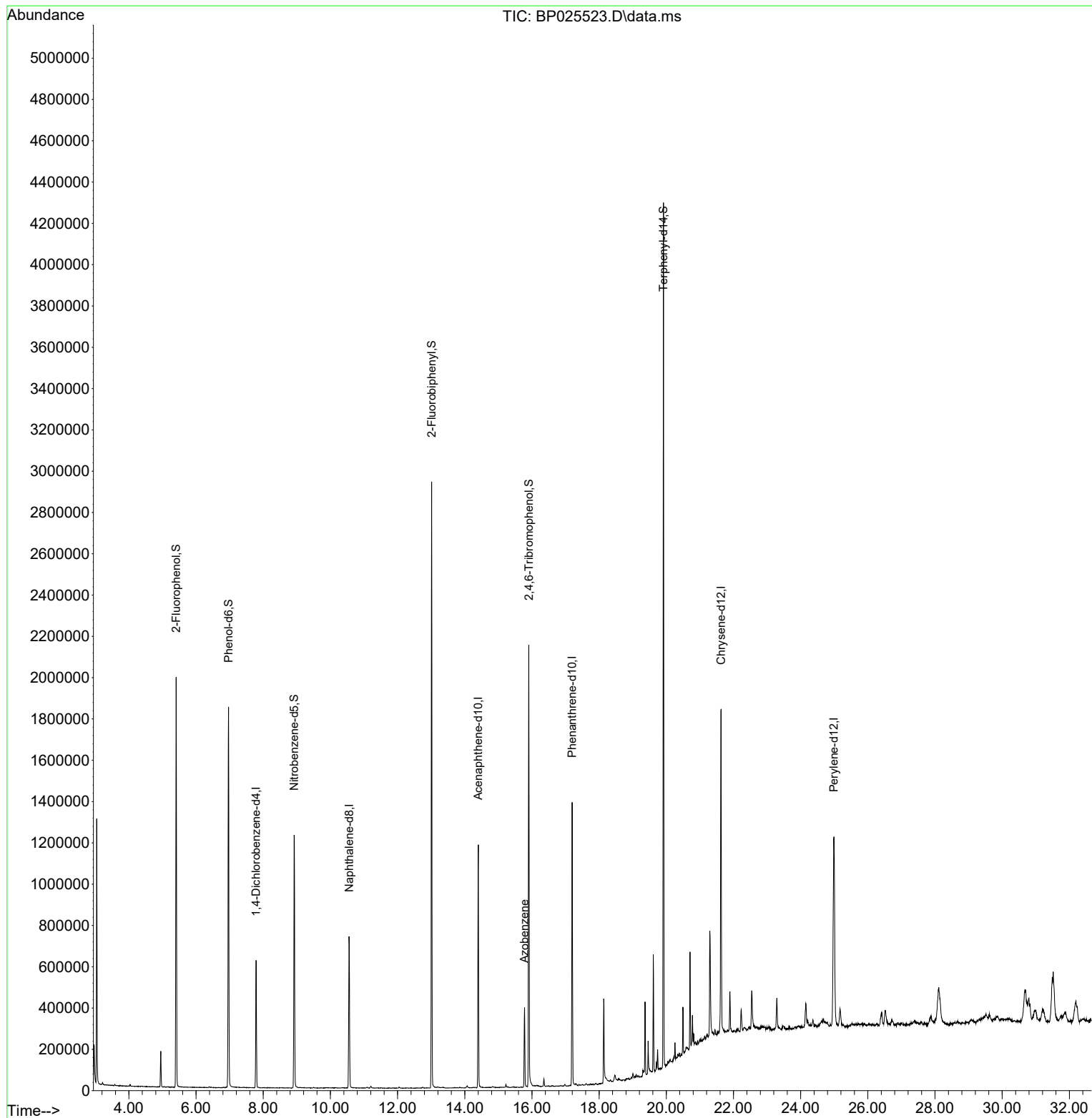
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	171214	20.000	ng	-0.01
21) Naphthalene-d8	10.555	136	649977	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	383584	20.000	ng	0.00
64) Phenanthrene-d10	17.195	188	762449	20.000	ng	0.00
76) Chrysene-d12	21.630	240	897949	20.000	ng	-0.02
86) Perylene-d12	24.989	264	1034574	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	831479	80.650	ng	0.00
7) Phenol-d6	6.966	99	1019045	77.095	ng	0.00
23) Nitrobenzene-d5	8.919	82	693927	54.006	ng	-0.02
42) 2,4,6-Tribromophenol	15.907	330	402104	77.881	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	1278668	45.558	ng	0.00
79) Terphenyl-d14	19.913	244	1855306	37.802	ng	0.00
Target Compounds						
63) Azobenzene	15.778	77	115025	4.707	ng	Qvalue # 1

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

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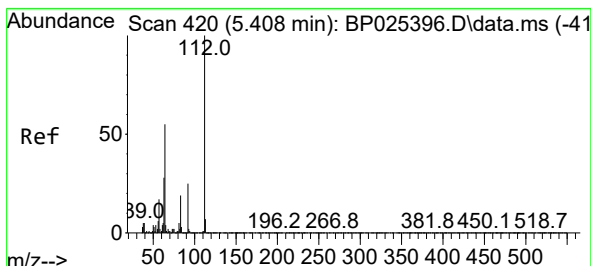
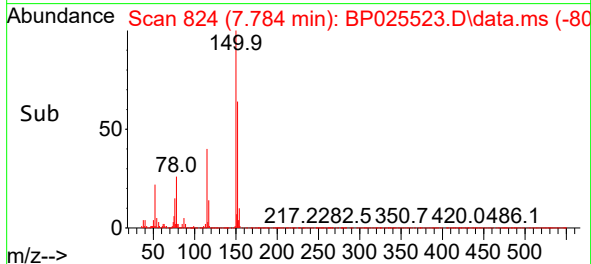
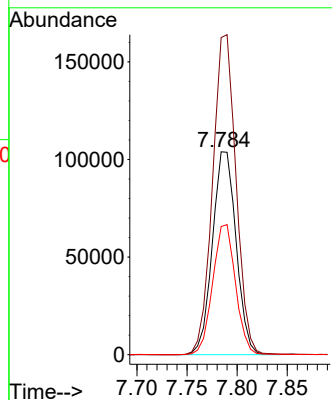
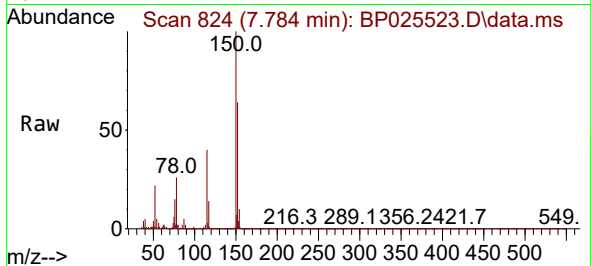




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025523.D
Acq: 21 Aug 2025 01:56

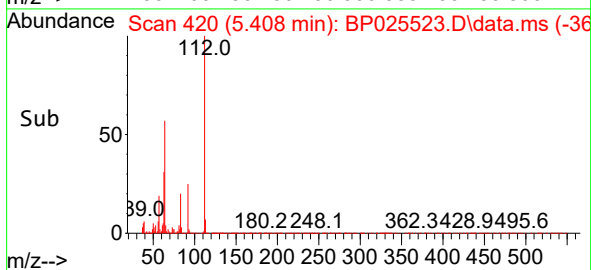
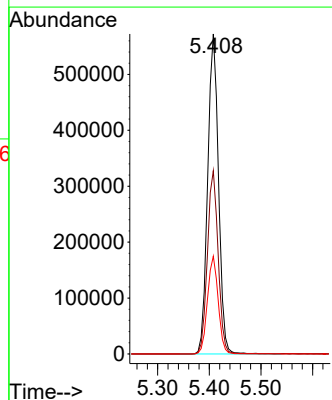
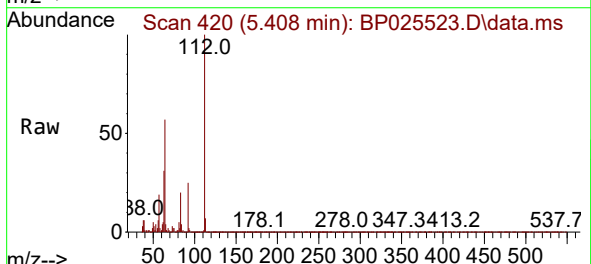
Instrument :
BNA_P
ClientSampleId :
22M-E

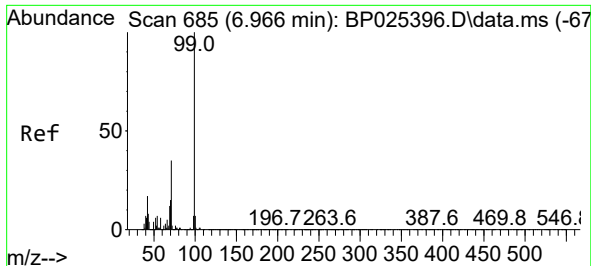
Tgt Ion:152 Resp: 171214
Ion Ratio Lower Upper
152 100
150 156.2 125.9 188.9
115 63.2 48.5 72.7



#5
2-Fluorophenol
Concen: 80.650 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025523.D
Acq: 21 Aug 2025 01:56

Tgt Ion:112 Resp: 831479
Ion Ratio Lower Upper
112 100
64 57.2 43.8 65.8
63 30.6 22.7 34.1

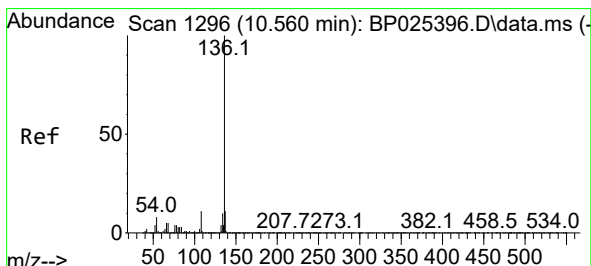
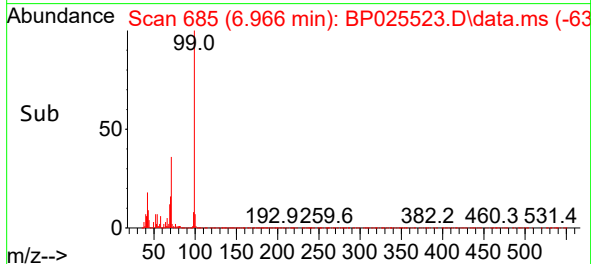
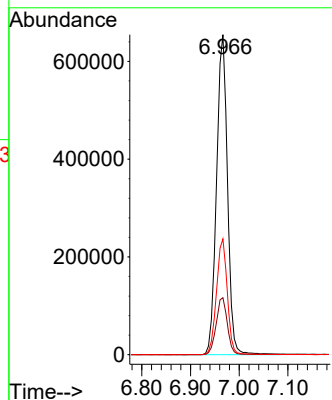
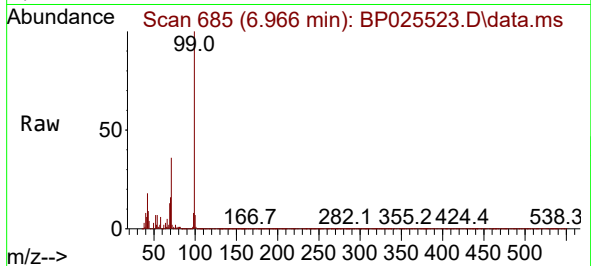




#7
Phenol-d6
Concen: 77.095 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025523.D
Acq: 21 Aug 2025 01:56

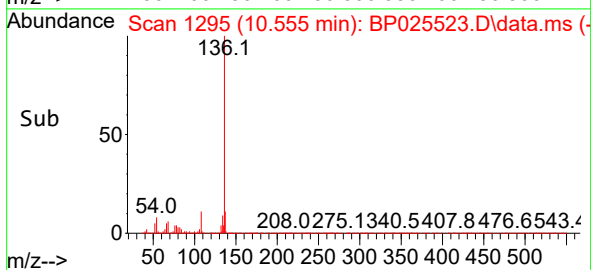
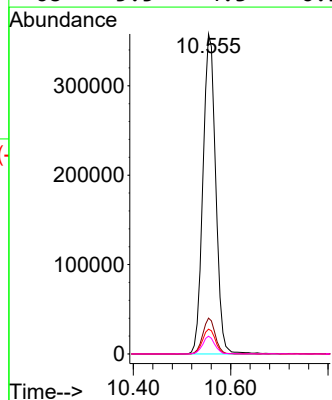
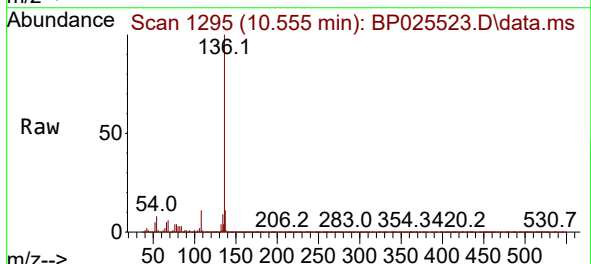
Instrument :
BNA_P
ClientSampleId :
22M-E

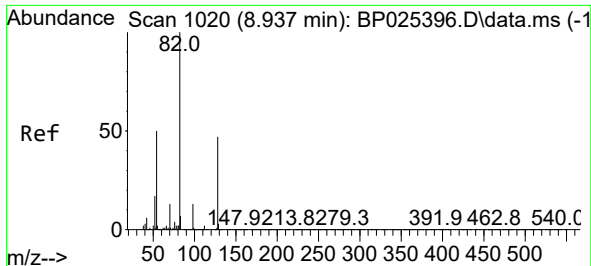
Tgt Ion: 99 Resp: 1019045
Ion Ratio Lower Upper
99 100
42 17.8 13.7 20.5
71 36.2 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.555 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025523.D
Acq: 21 Aug 2025 01:56

Tgt Ion:136 Resp: 649977
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 7.8 6.0 9.0
68 5.5 4.3 6.5

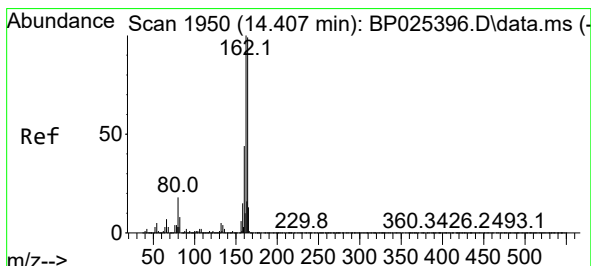
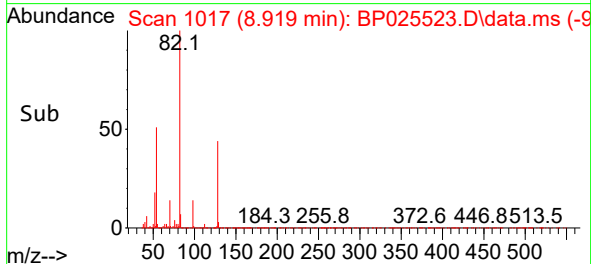
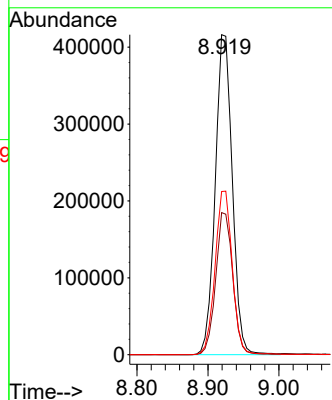
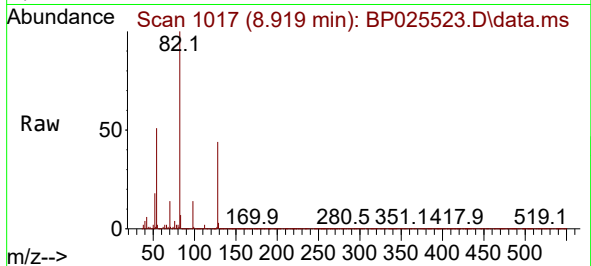




#23
Nitrobenzene-d5
Concen: 54.006 ng
RT: 8.919 min Scan# 1017
Delta R.T. -0.017 min
Lab File: BP025523.D
Acq: 21 Aug 2025 01:56

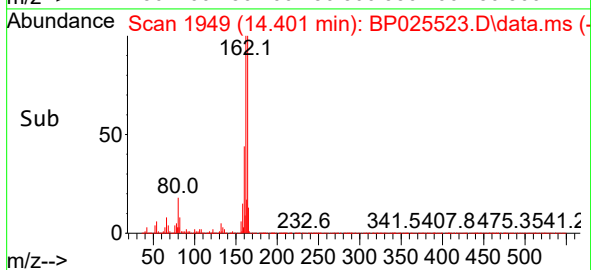
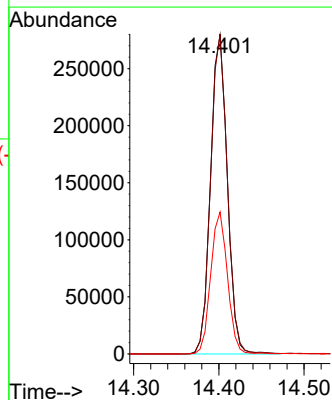
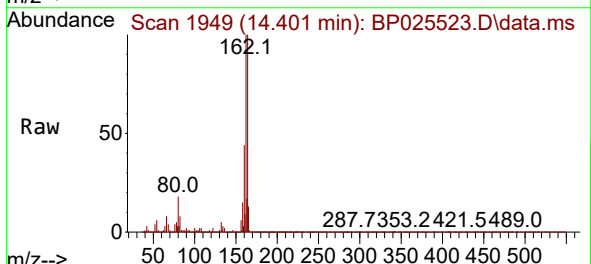
Instrument :
BNA_P
ClientSampleId :
22M-E

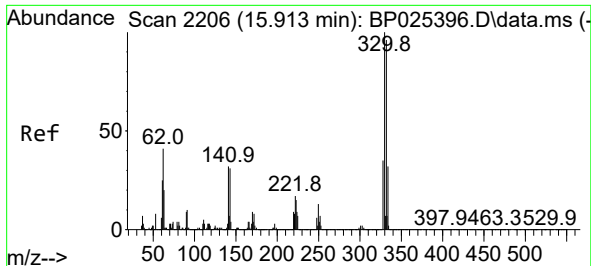
Tgt Ion: 82 Resp: 693927
Ion Ratio Lower Upper
82 100
128 44.4 37.7 56.5
54 51.0 39.8 59.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP025523.D
Acq: 21 Aug 2025 01:56

Tgt Ion:164 Resp: 383584
Ion Ratio Lower Upper
164 100
162 100.4 81.0 121.6
160 44.5 35.4 53.2

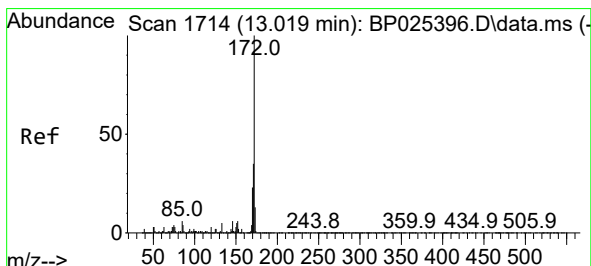
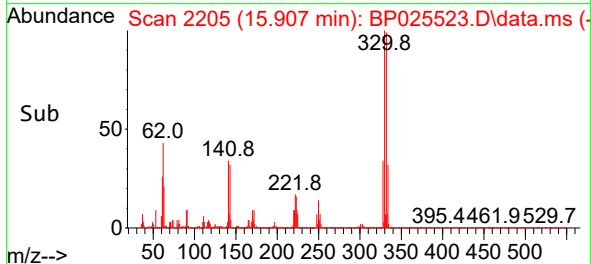
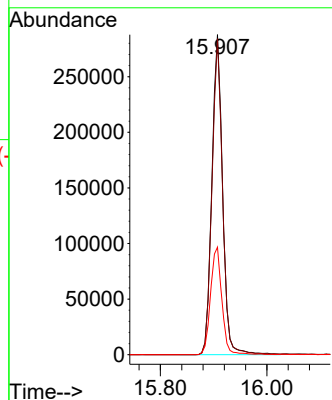
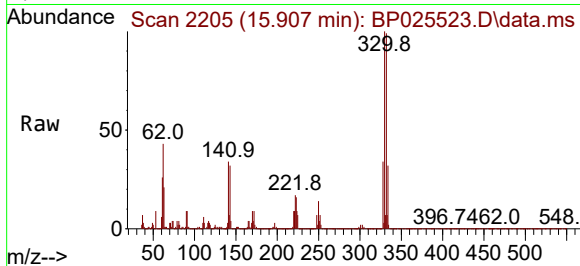




#42
2,4,6-Tribromophenol
Concen: 77.881 ng
RT: 15.907 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025523.D
Acq: 21 Aug 2025 01:56

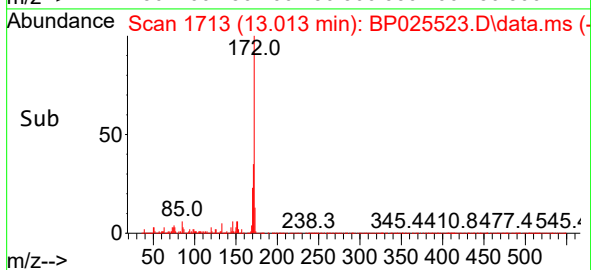
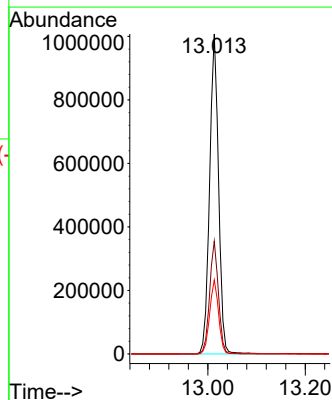
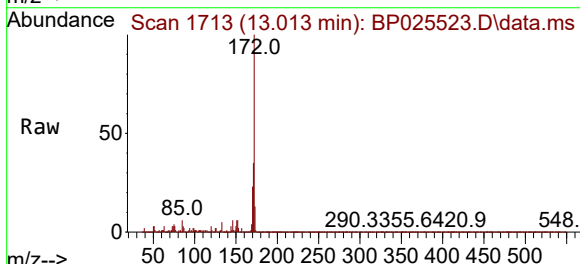
Instrument :
BNA_P
ClientSampleId :
22M-E

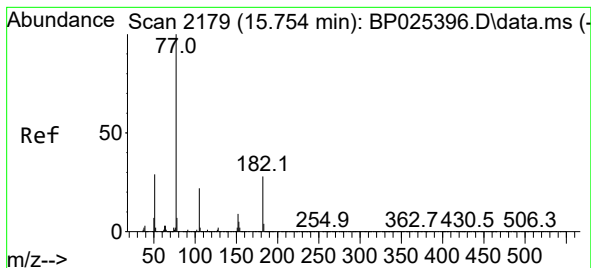
Tgt Ion:330 Resp: 402104
Ion Ratio Lower Upper
330 100
332 97.4 77.3 115.9
141 35.4 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 45.558 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025523.D
Acq: 21 Aug 2025 01:56

Tgt Ion:172 Resp: 1278668
Ion Ratio Lower Upper
172 100
171 35.2 28.1 42.1
170 23.2 18.6 28.0





#63

Azobenzene

Concen: 4.707 ng

RT: 15.778 min Scan# 21

Delta R.T. 0.024 min

Lab File: BP025523.D

Acq: 21 Aug 2025 01:56

Instrument :

BNA_P

ClientSampleId :

22M-E

Tgt Ion: 77 Resp: 115025

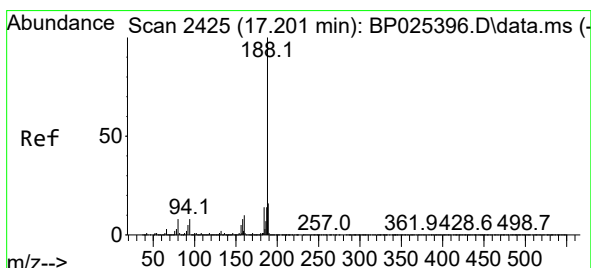
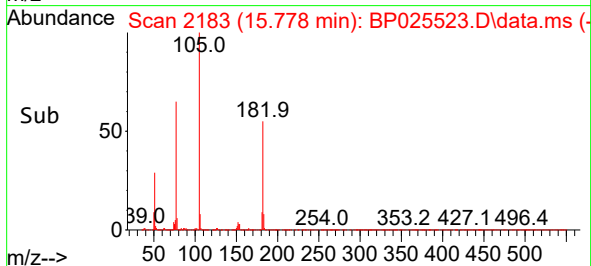
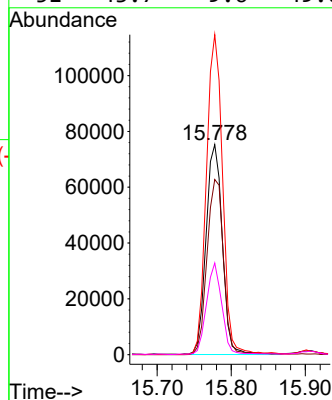
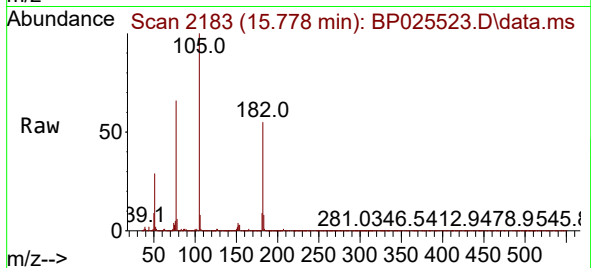
Ion Ratio Lower Upper

77 100

182 83.4 7.5 47.5#

105 152.3 2.1 42.1#

51 43.7 9.6 49.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.195 min Scan# 2424

Delta R.T. -0.006 min

Lab File: BP025523.D

Acq: 21 Aug 2025 01:56

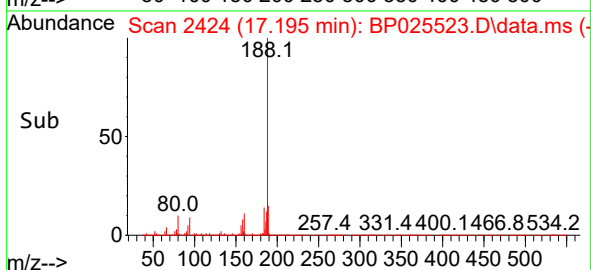
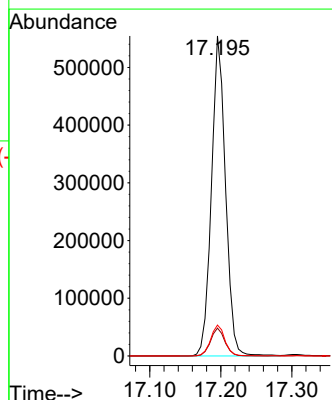
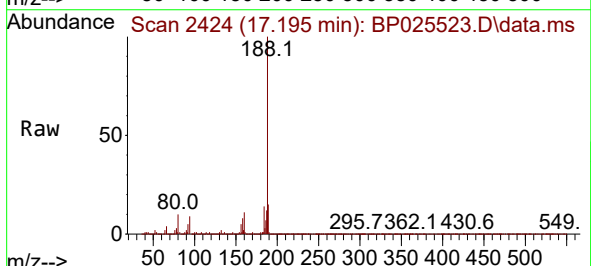
Tgt Ion:188 Resp: 762449

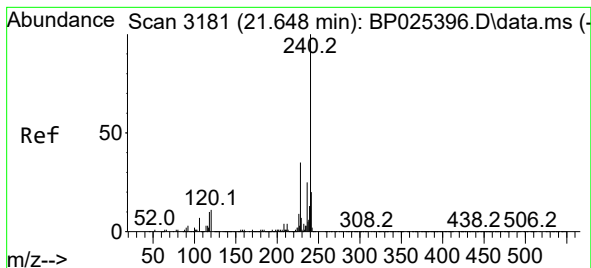
Ion Ratio Lower Upper

188 100

94 8.7 6.6 10.0

80 9.7 6.7 10.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.630 min Scan# 31

Delta R.T. -0.017 min

Lab File: BP025523.D

Acq: 21 Aug 2025 01:56

Instrument :

BNA_P

ClientSampleId :

22M-E

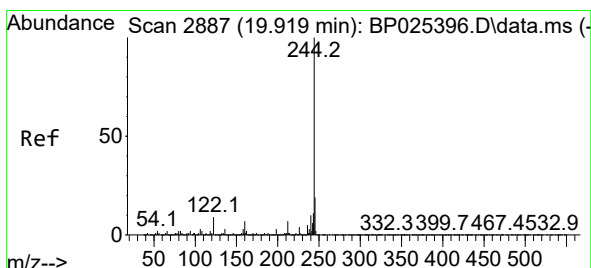
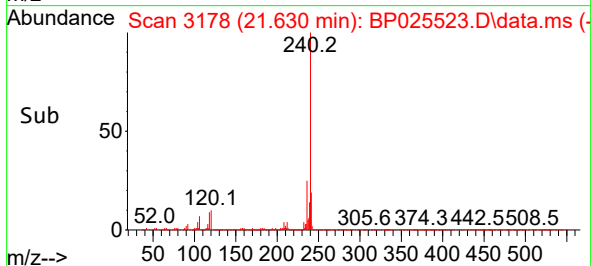
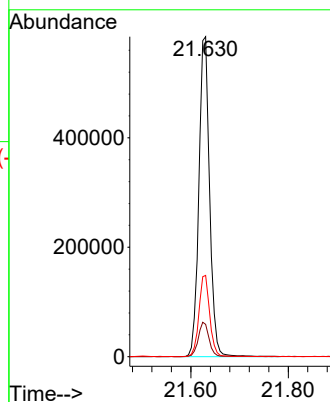
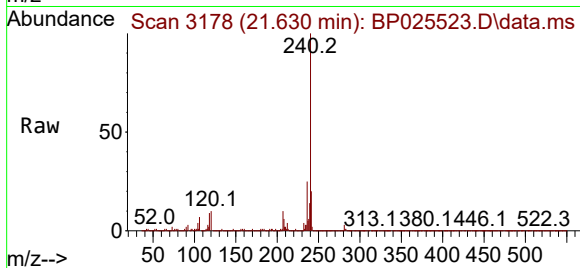
Tgt Ion:240 Resp: 897949

Ion Ratio Lower Upper

240 100

120 10.1 8.9 13.3

236 25.4 19.8 29.8



#79

Terphenyl-d14

Concen: 37.802 ng

RT: 19.913 min Scan# 2886

Delta R.T. -0.006 min

Lab File: BP025523.D

Acq: 21 Aug 2025 01:56

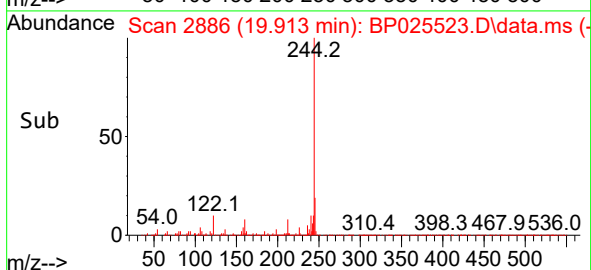
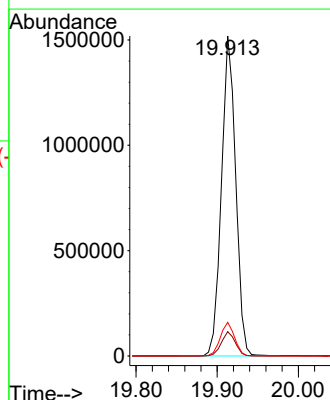
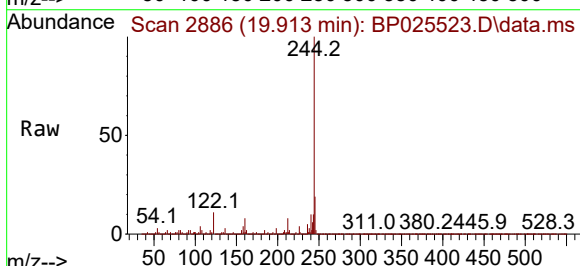
Tgt Ion:244 Resp: 1855306

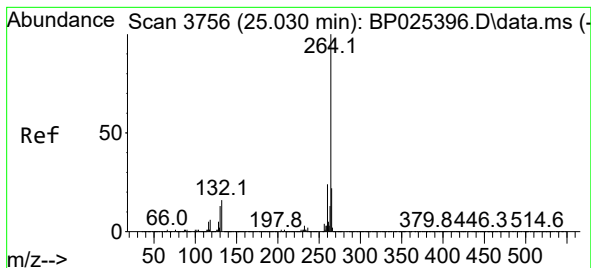
Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.6

122 10.5 7.4 11.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.989 min Scan# 31

Delta R.T. -0.041 min

Lab File: BP025523.D

Acq: 21 Aug 2025 01:56

Instrument :

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Tgt Ion:264 Resp: 1034574

Ion Ratio Lower Upper

264 100

260 22.8 19.3 28.9

265 21.9 17.4 26.0

