

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
 Data File : BP025536.D
 Acq On : 21 Aug 2025 12:12
 Operator : CG/JU
 Sample : Q2819-12
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 17M-S

Quant Time: Aug 21 13:06:05 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)

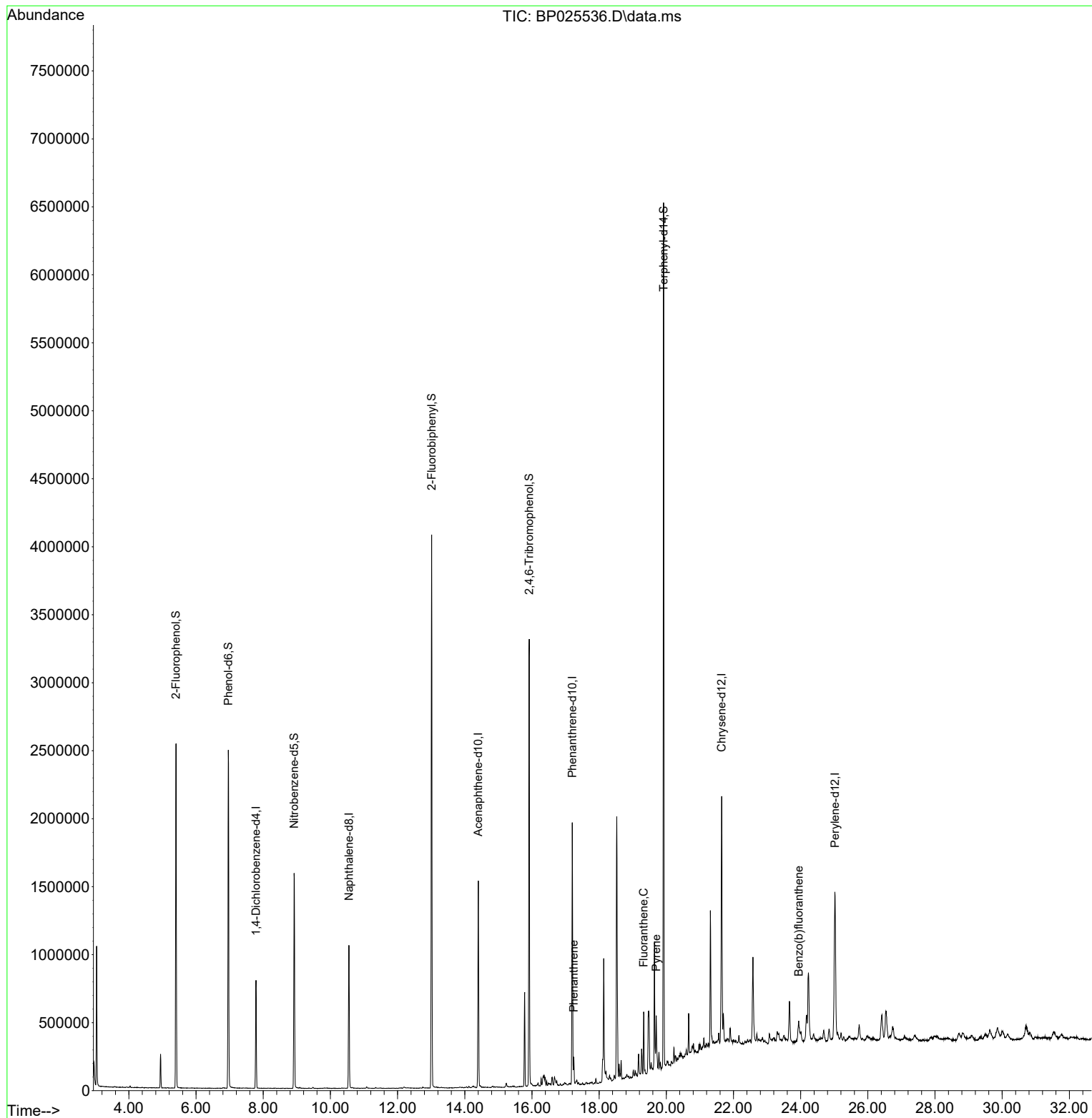
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	220677	20.000	ng	-0.01
21) Naphthalene-d8	10.549	136	884460	20.000	ng	-0.01
39) Acenaphthene-d10	14.401	164	566498	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	1127810	20.000	ng	0.00
76) Chrysene-d12	21.648	240	1111827	20.000	ng	0.00
86) Perylene-d12	25.018	264	1225646	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	1083021	81.502	ng	0.00
7) Phenol-d6	6.960	99	1396200	81.953	ng	0.00
23) Nitrobenzene-d5	8.919	82	914132	52.283	ng	-0.02
42) 2,4,6-Tribromophenol	15.919	330	629781	82.593	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	2107259	50.838	ng	0.00
79) Terphenyl-d14	19.919	244	3146789	51.782	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.242	178	125298	2.022	ng	98
75) Fluoranthene	19.325	202	265995	3.599	ng	98
78) Pyrene	19.701	202	228825	3.166	ng	99
88) Benzo(b)fluoranthene	23.942	252	159045	2.201	ng	# 95

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

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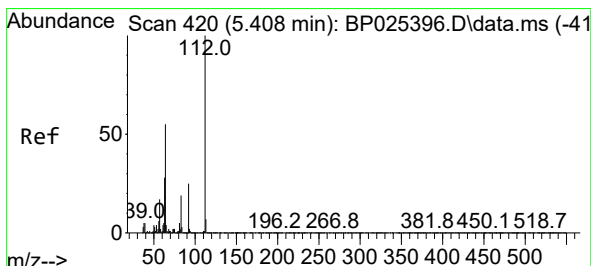
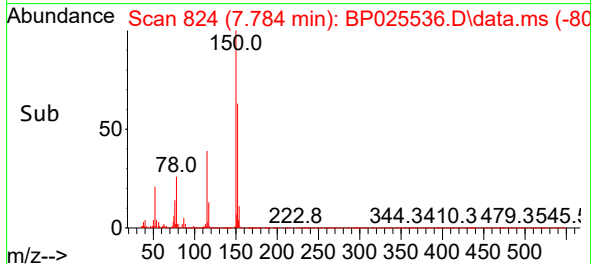
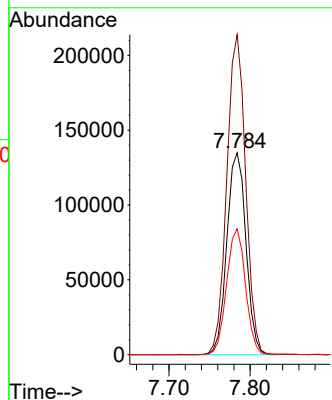
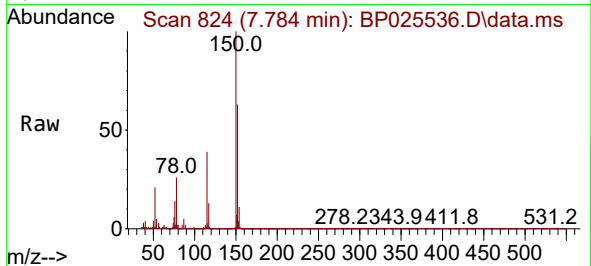




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025536.D
Acq: 21 Aug 2025 12:12

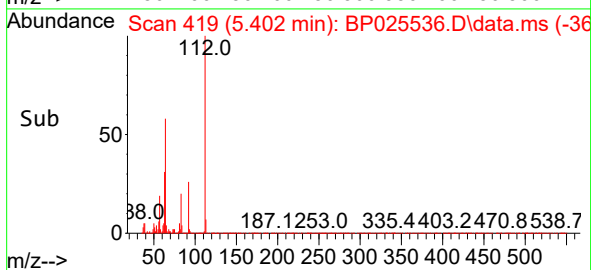
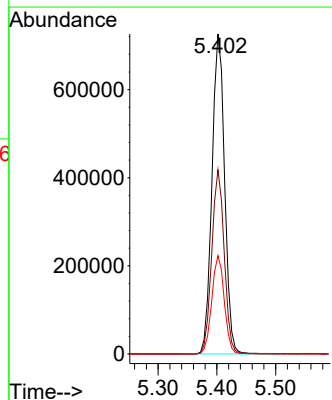
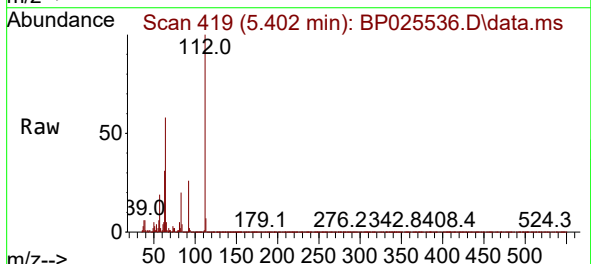
Instrument :
BNA_P
ClientSampleId :
17M-S

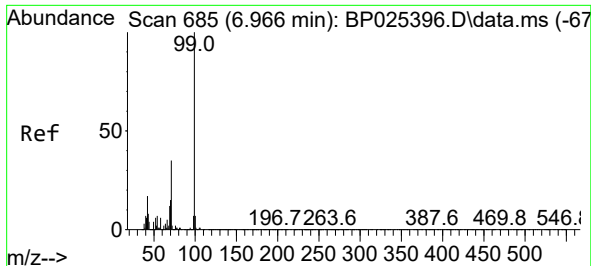
Tgt Ion:152 Resp: 220677
Ion Ratio Lower Upper
152 100
150 158.4 125.9 188.9
115 62.4 48.5 72.7



#5
2-Fluorophenol
Concen: 81.502 ng
RT: 5.402 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP025536.D
Acq: 21 Aug 2025 12:12

Tgt Ion:112 Resp: 1083021
Ion Ratio Lower Upper
112 100
64 57.5 43.8 65.8
63 30.8 22.7 34.1

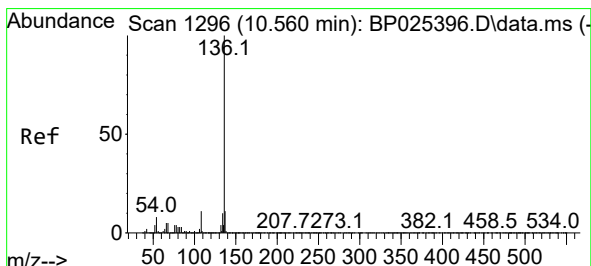
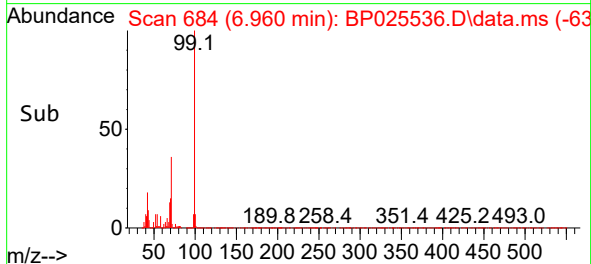
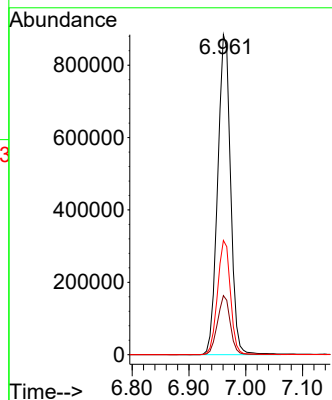
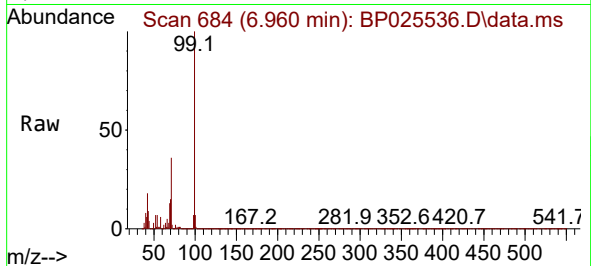




#7
Phenol-d6
Concen: 81.953 ng
RT: 6.960 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025536.D
Acq: 21 Aug 2025 12:12

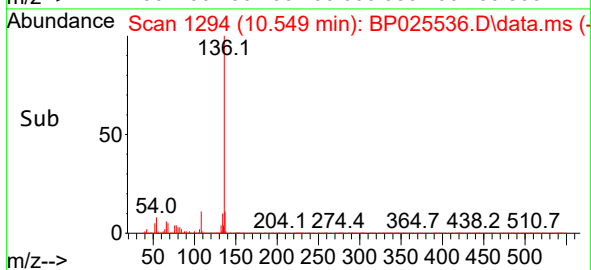
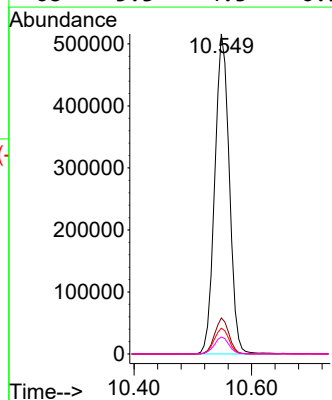
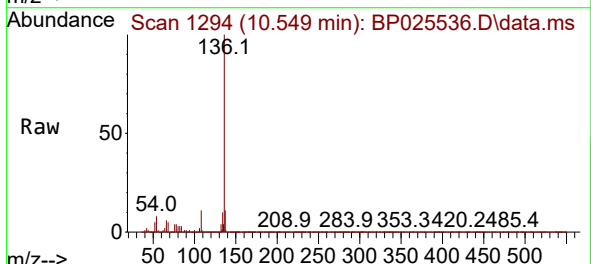
Instrument :
BNA_P
ClientSampleId :
17M-S

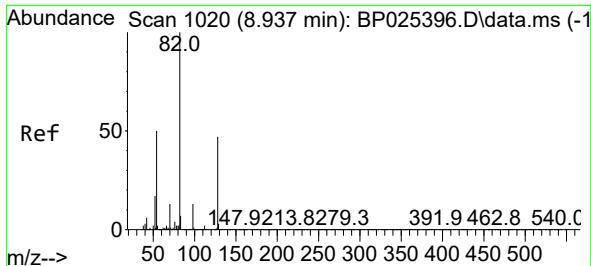
Tgt Ion: 99 Resp: 1396200
Ion Ratio Lower Upper
99 100
42 18.4 13.7 20.5
71 35.7 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.549 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BP025536.D
Acq: 21 Aug 2025 12:12

Tgt Ion: 136 Resp: 884460
Ion Ratio Lower Upper
136 100
137 11.3 9.2 13.8
54 8.1 6.0 9.0
68 5.3 4.3 6.5





#23

Nitrobenzene-d5

Concen: 52.283 ng

RT: 8.919 min Scan# 1017

Delta R.T. -0.018 min

Lab File: BP025536.D

Acq: 21 Aug 2025 12:12

Instrument :

BNA_P

ClientSampleId :

17M-S

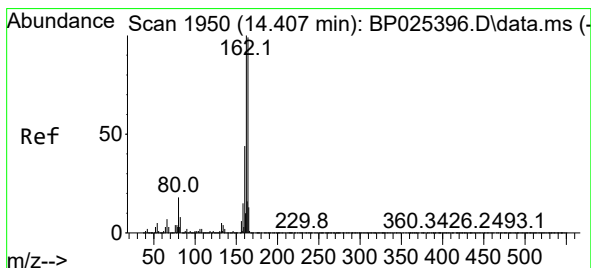
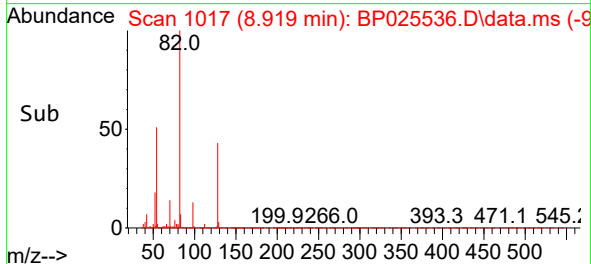
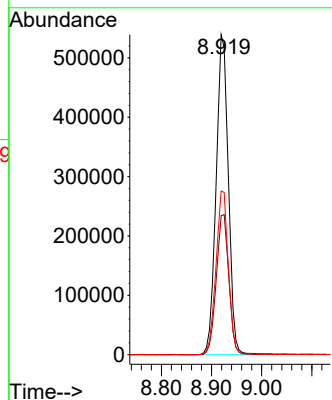
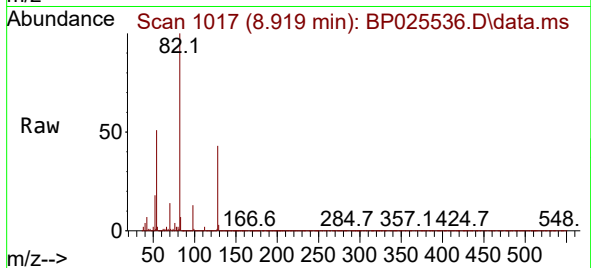
Tgt Ion: 82 Resp: 914132

Ion Ratio Lower Upper

82 100

128 43.5 37.7 56.5

54 51.1 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: BP025536.D

Acq: 21 Aug 2025 12:12

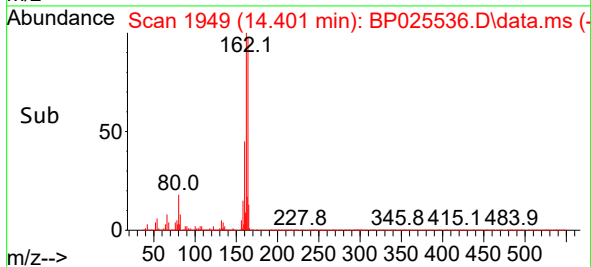
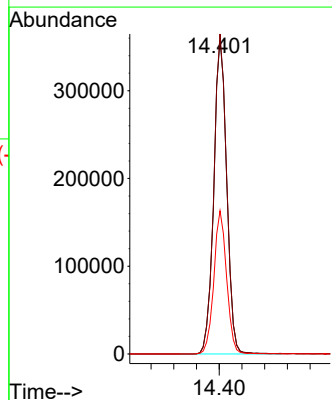
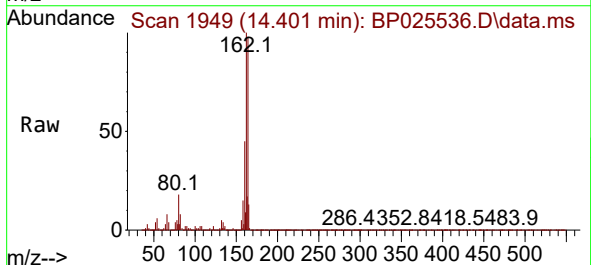
Tgt Ion: 164 Resp: 566498

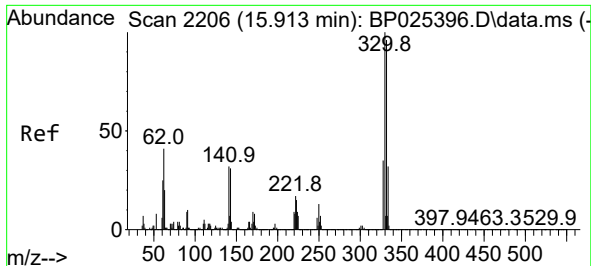
Ion Ratio Lower Upper

164 100

162 101.9 81.0 121.6

160 45.6 35.4 53.2

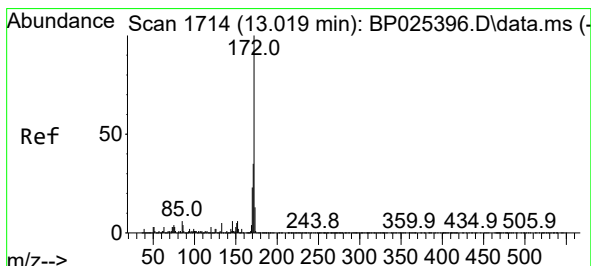
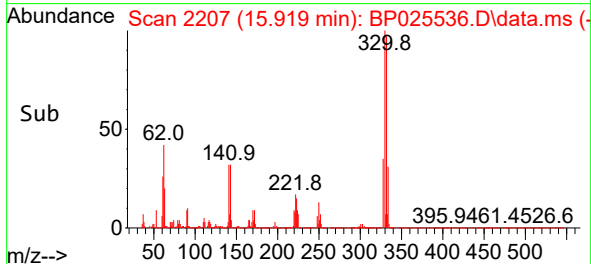
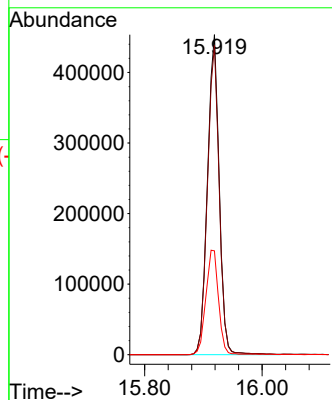
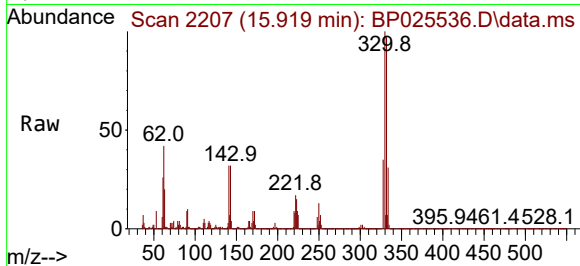




#42
2,4,6-Tribromophenol
Concen: 82.593 ng
RT: 15.919 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025536.D
Acq: 21 Aug 2025 12:12

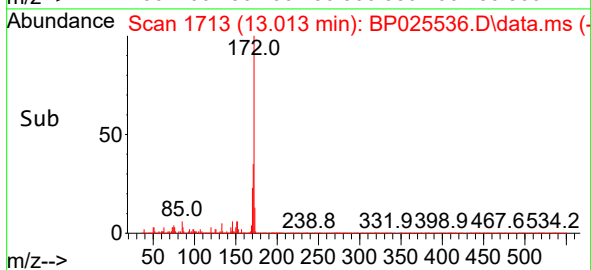
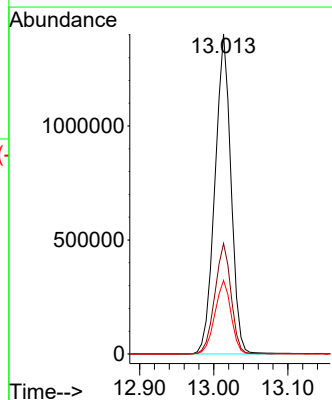
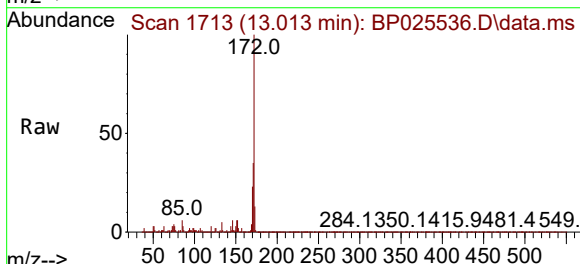
Instrument :
BNA_P
ClientSampleId :
17M-S

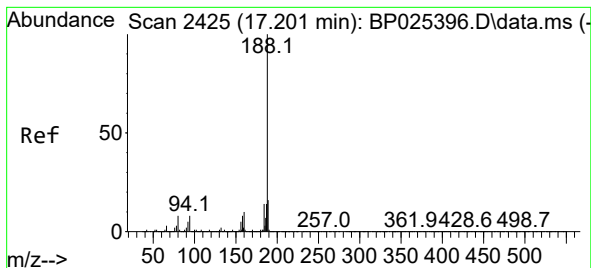
Tgt Ion:330 Resp: 629781
Ion Ratio Lower Upper
330 100
332 97.0 77.3 115.9
141 35.2 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 50.838 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025536.D
Acq: 21 Aug 2025 12:12

Tgt Ion:172 Resp: 2107259
Ion Ratio Lower Upper
172 100
171 34.5 28.1 42.1
170 23.0 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.201 min Scan# 2425

Delta R.T. 0.000 min

Lab File: BP025536.D

Acq: 21 Aug 2025 12:12

Instrument :

BNA_P

ClientSampleId :

17M-S

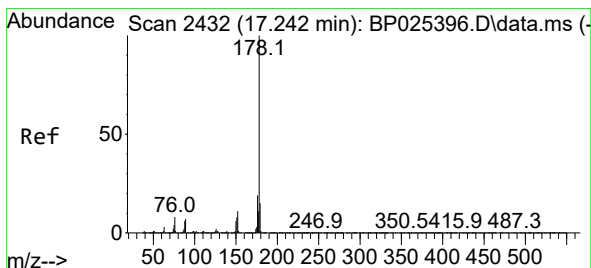
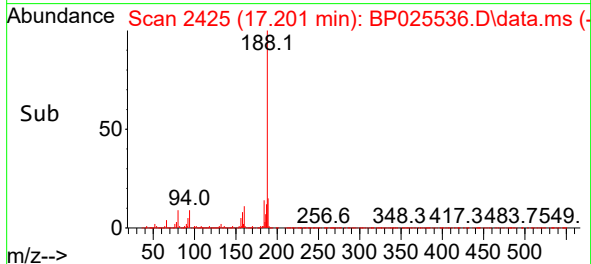
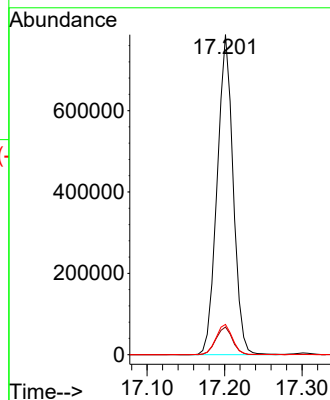
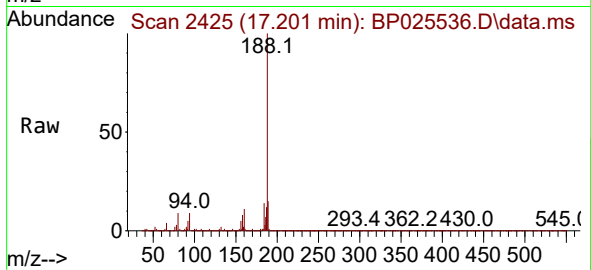
Tgt Ion:188 Resp: 1127810

Ion Ratio Lower Upper

188 100

94 8.6 6.6 10.0

80 9.4 6.7 10.1



#71

Phenanthrene

Concen: 2.022 ng

RT: 17.242 min Scan# 2432

Delta R.T. 0.000 min

Lab File: BP025536.D

Acq: 21 Aug 2025 12:12

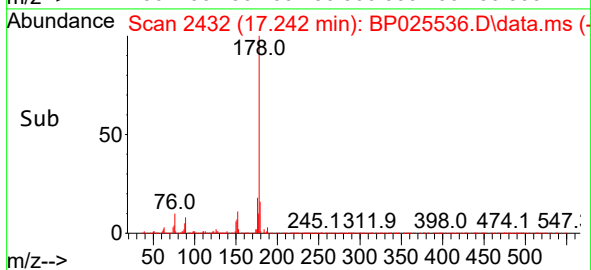
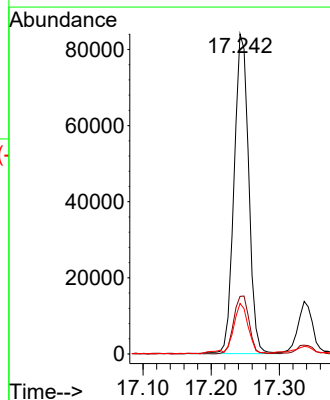
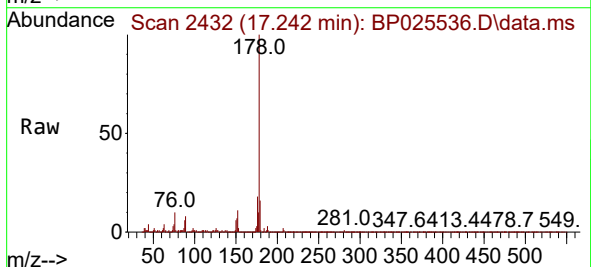
Tgt Ion:178 Resp: 125298

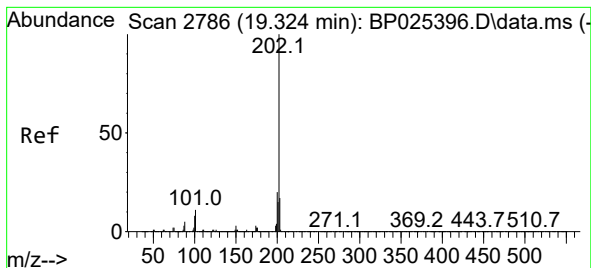
Ion Ratio Lower Upper

178 100

176 18.0 15.5 23.3

179 15.8 12.2 18.4





#75

Fluoranthene

Concen: 3.599 ng

RT: 19.325 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025536.D

Acq: 21 Aug 2025 12:12

Instrument :

BNA_P

ClientSampleId :

17M-S

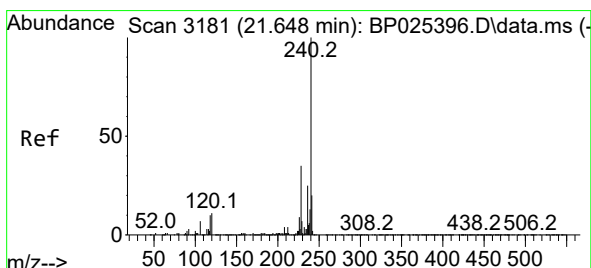
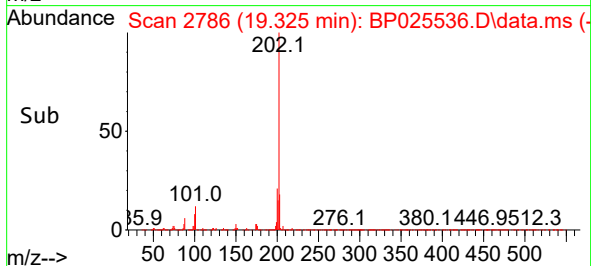
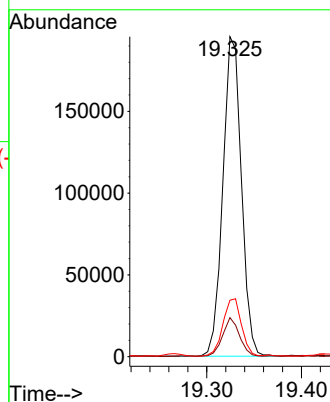
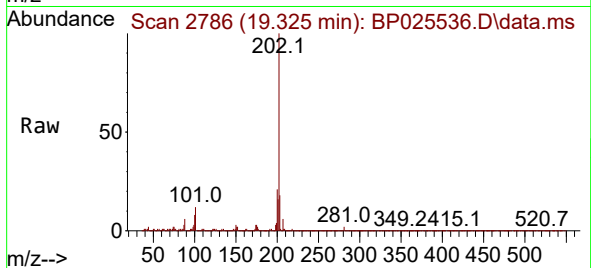
Tgt Ion:202 Resp: 265995

Ion Ratio Lower Upper

202 100

101 12.2 0.0 31.1

203 17.7 0.0 37.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.648 min Scan# 3181

Delta R.T. 0.000 min

Lab File: BP025536.D

Acq: 21 Aug 2025 12:12

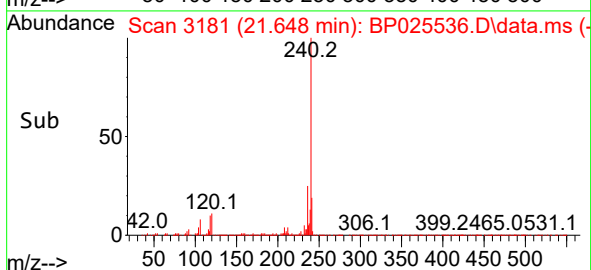
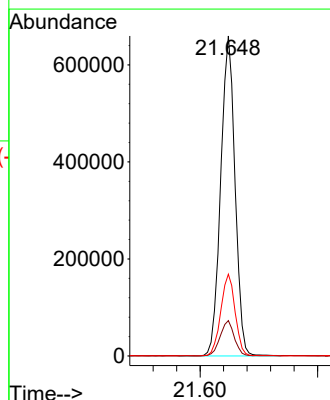
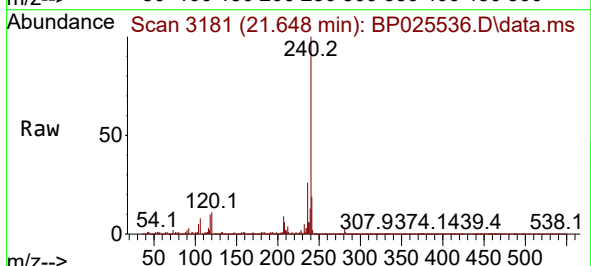
Tgt Ion:240 Resp: 1111827

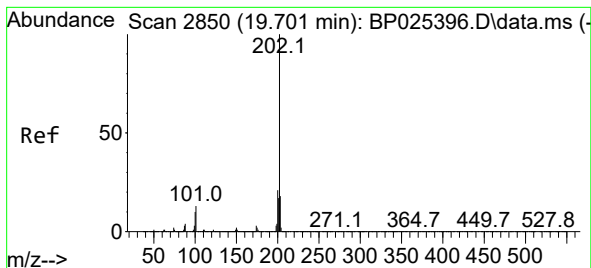
Ion Ratio Lower Upper

240 100

120 11.1 8.9 13.3

236 25.5 19.8 29.8





#78

Pyrene

Concen: 3.166 ng

RT: 19.701 min Scan# 2850

Delta R.T. 0.000 min

Lab File: BP025536.D

Acq: 21 Aug 2025 12:12

Instrument :

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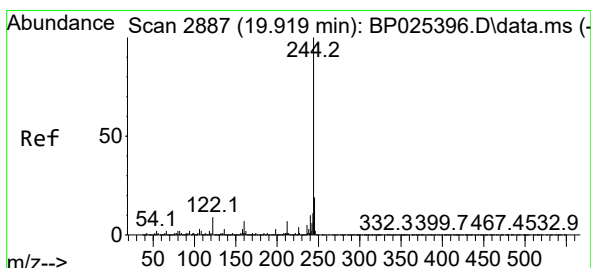
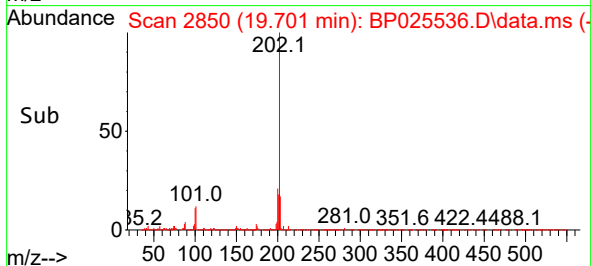
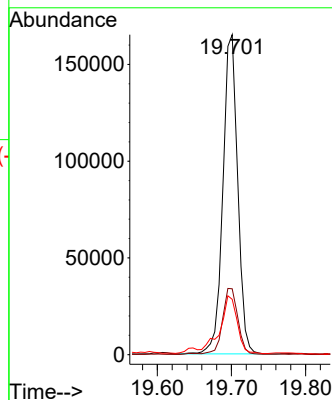
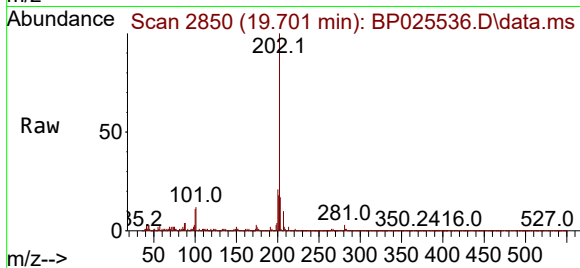
Tgt Ion:202 Resp: 228825

Ion Ratio Lower Upper

202 100

200 20.6 16.9 25.3

203 17.3 14.2 21.2



#79

Terphenyl-d14

Concen: 51.782 ng

RT: 19.919 min Scan# 2887

Delta R.T. 0.000 min

Lab File: BP025536.D

Acq: 21 Aug 2025 12:12

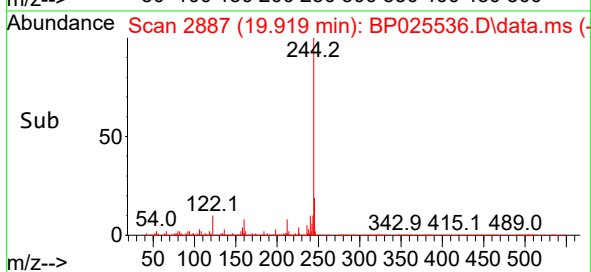
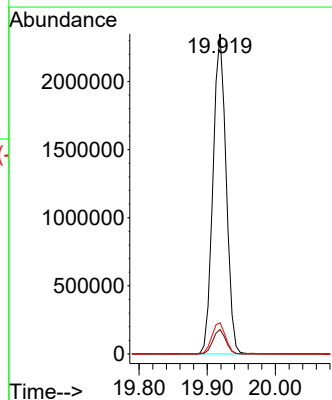
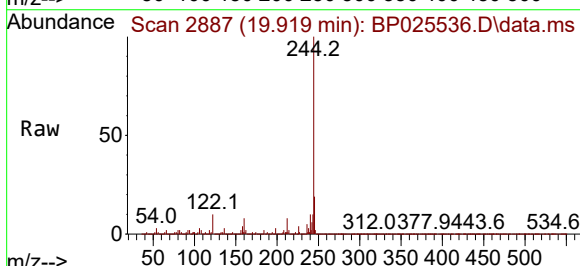
Tgt Ion:244 Resp: 3146789

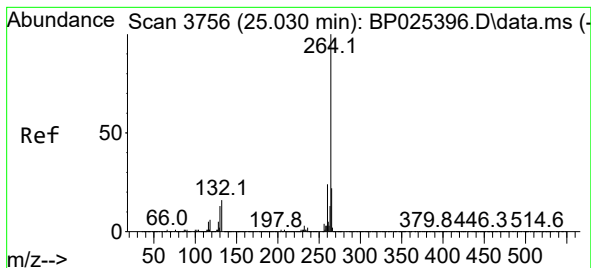
Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.6

122 9.8 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: BP025536.D

Acq: 21 Aug 2025 12:12

Instrument :

BNA_P

ClientSampleId :

17M-S

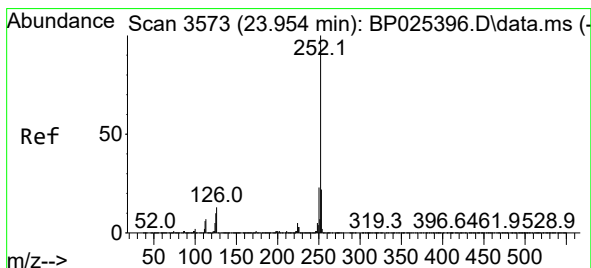
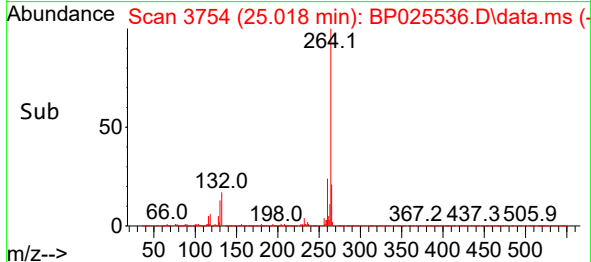
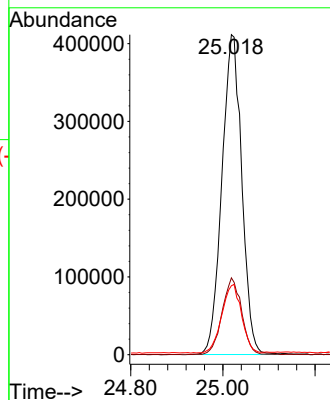
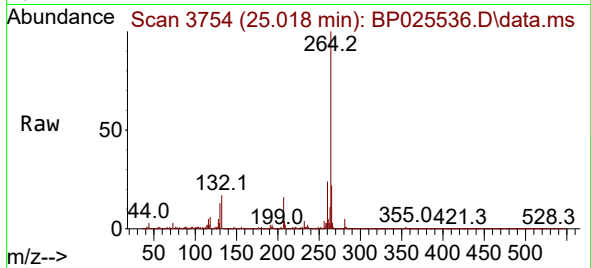
Tgt Ion:264 Resp: 1225646

Ion Ratio Lower Upper

264 100

260 24.0 19.3 28.9

265 21.5 17.4 26.0



#88

Benzo(b)fluoranthene

Concen: 2.201 ng

RT: 23.942 min Scan# 3571

Delta R.T. -0.012 min

Lab File: BP025536.D

Acq: 21 Aug 2025 12:12

Tgt Ion:252 Resp: 159045

Ion Ratio Lower Upper

252 100

253 24.2 17.7 26.5

125 12.5 7.9 11.9#

