

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061925\
 Data File : BP025010.D
 Acq On : 19 Jun 2025 21:12
 Operator : RC/JU
 Sample : Q2355-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 3897

Quant Time: Jun 20 01:15:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 06 16:20:27 2025
 Response via : Initial Calibration

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

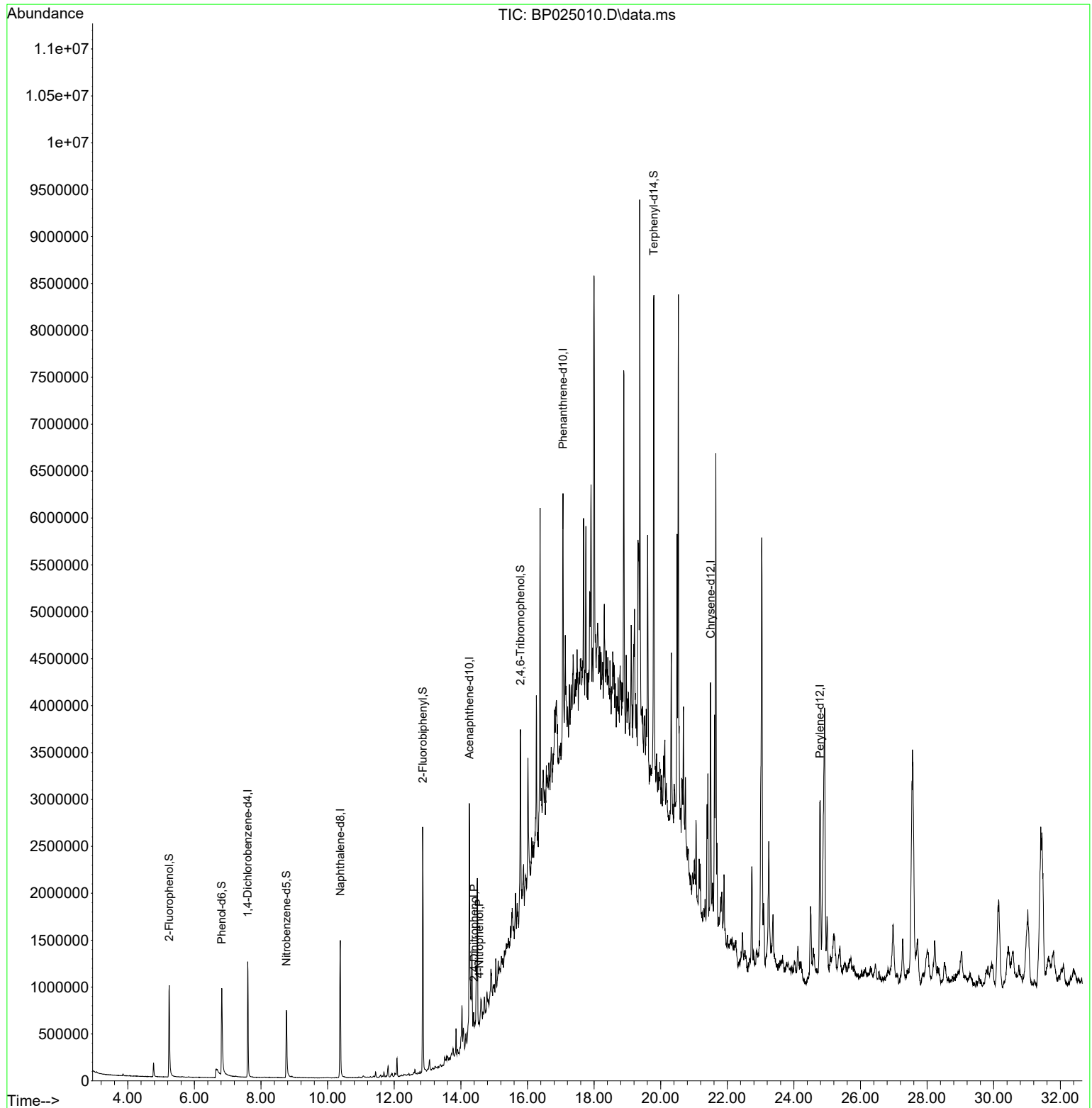
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.602	152	340138	20.000	ng	-0.01
21) Naphthalene-d8	10.378	136	1337291	20.000	ng	0.00
39) Acenaphthene-d10	14.254	164	812539	20.000	ng	0.00
64) Phenanthrene-d10	17.066	188	1447802	20.000	ng	# 0.00
76) Chrysene-d12	21.501	240	1610392	20.000	ng	0.02
86) Perylene-d12	24.777	264	1872053	20.000	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	561402	27.550	ng	0.00
7) Phenol-d6	6.819	99	812961	30.153	ng	0.00
23) Nitrobenzene-d5	8.761	82	533981	19.403	ng	0.00
42) 2,4,6-Tribromophenol	15.790	330	430637	38.334	ng	0.00
45) 2-Fluorobiphenyl	12.854	172	1455155	24.125	ng	0.00
79) Terphenyl-d14	19.789	244	2320397	25.824	ng	0.00
Target Compounds						Qvalue
54) 2,4-Dinitrophenol	14.396	184	191	5.585	ng	# 1
56) 4-Nitrophenol	14.554	139	735	5.470	ng	# 1

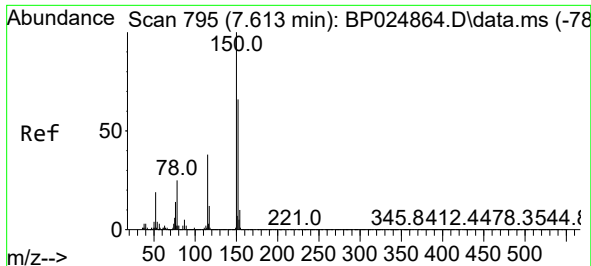
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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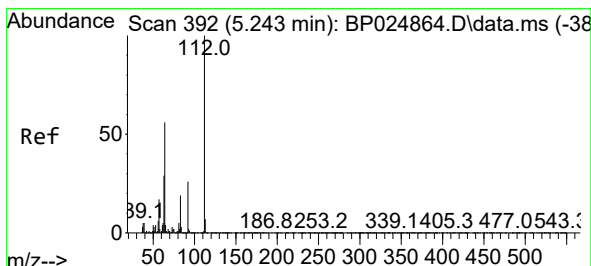
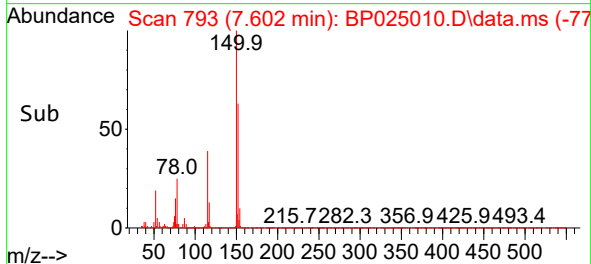
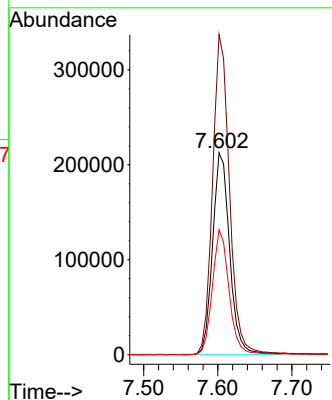
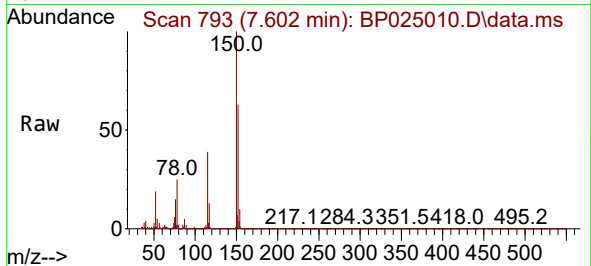




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.602 min Scan# 795
Delta R.T. -0.011 min
Lab File: BP025010.D
Acq: 19 Jun 2025 21:12

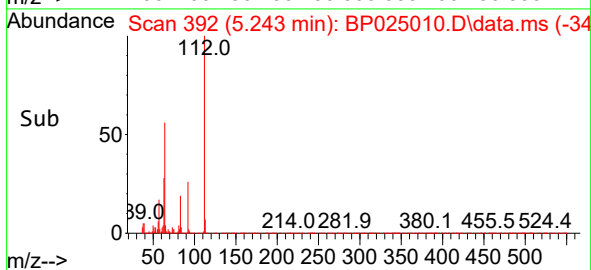
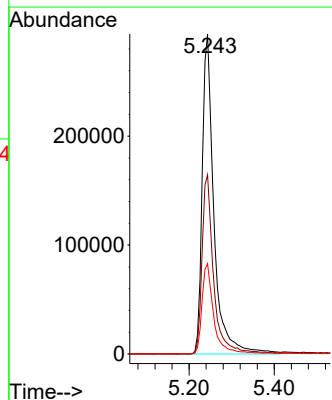
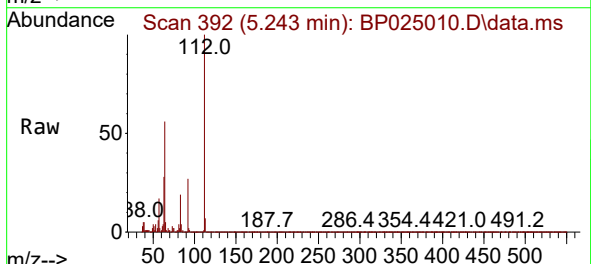
Instrument :
BNA_P
ClientSampleId :
3897

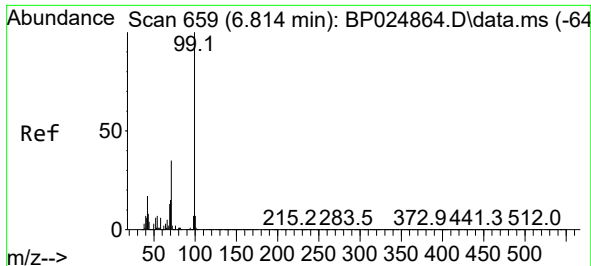
Tgt Ion:152 Resp: 340138
Ion Ratio Lower Upper
152 100
150 158.5 122.1 183.1
115 61.9 46.4 69.6



#5
2-Fluorophenol
Concen: 27.550 ng
RT: 5.243 min Scan# 392
Delta R.T. 0.000 min
Lab File: BP025010.D
Acq: 19 Jun 2025 21:12

Tgt Ion:112 Resp: 561402
Ion Ratio Lower Upper
112 100
64 56.0 44.7 67.1
63 28.2 23.5 35.3

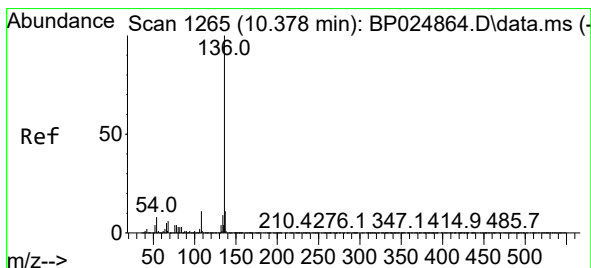
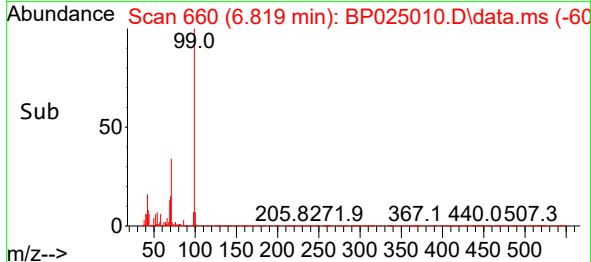
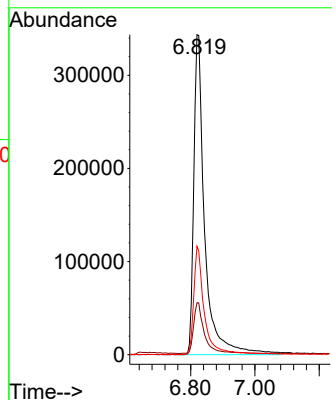
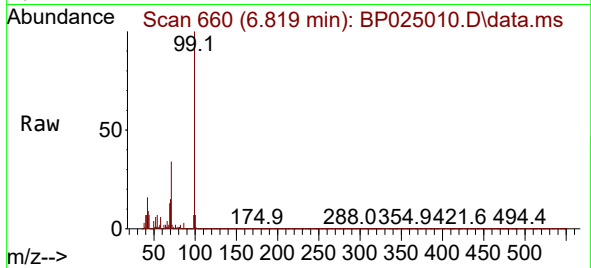




#7
Phenol-d6
Concen: 30.153 ng
RT: 6.819 min Scan# 60
Delta R.T. 0.006 min
Lab File: BP025010.D
Acq: 19 Jun 2025 21:12

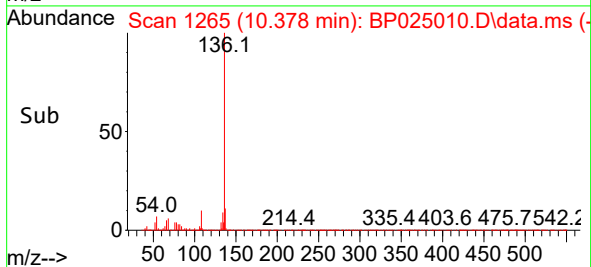
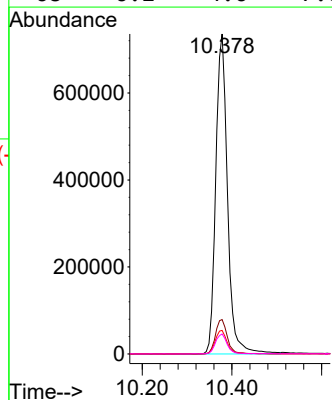
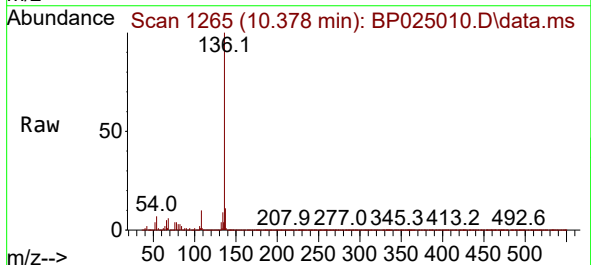
Instrument :
BNA_P
ClientSampleId :
3897

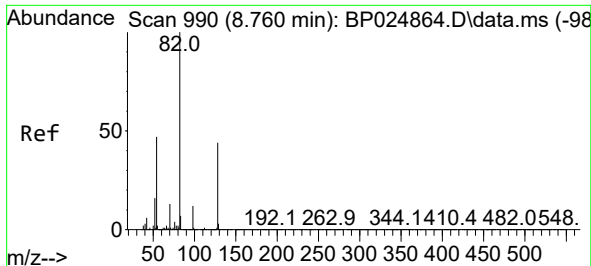
Tgt Ion: 99 Resp: 812961
Ion Ratio Lower Upper
99 100
42 16.3 13.4 20.2
71 33.9 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BP025010.D
Acq: 19 Jun 2025 21:12

Tgt Ion: 136 Resp: 1337291
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 7.4 6.1 9.1
68 6.2 4.6 7.0

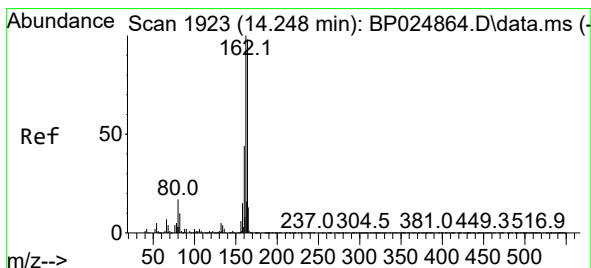
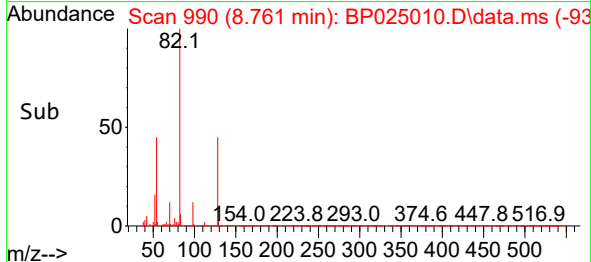
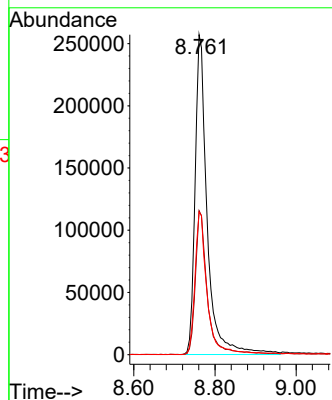
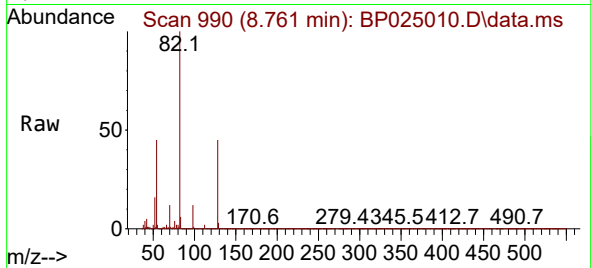




#23
Nitrobenzene-d5
Concen: 19.403 ng
RT: 8.761 min Scan# 990
Delta R.T. 0.000 min
Lab File: BP025010.D
Acq: 19 Jun 2025 21:12

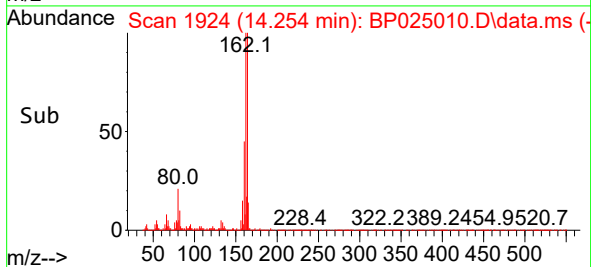
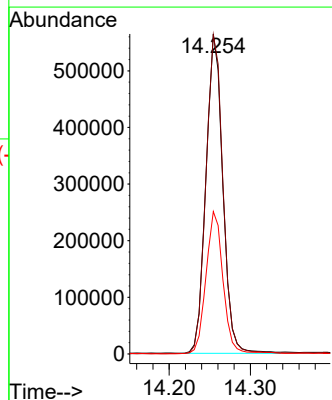
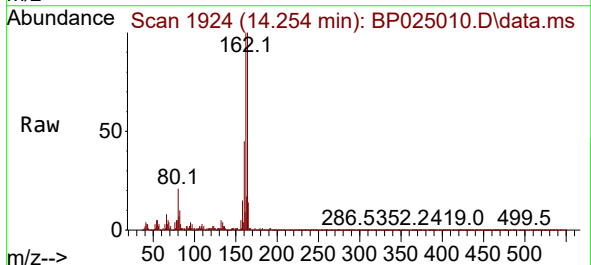
Instrument :
BNA_P
ClientSampleId :
3897

Tgt Ion: 82 Resp: 533981
Ion Ratio Lower Upper
82 100
128 45.0 35.3 52.9
54 44.6 37.4 56.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.254 min Scan# 1924
Delta R.T. 0.006 min
Lab File: BP025010.D
Acq: 19 Jun 2025 21:12

Tgt Ion:164 Resp: 812539
Ion Ratio Lower Upper
164 100
162 99.7 81.6 122.4
160 44.5 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 38.334 ng

RT: 15.790 min Scan# 2184

Delta R.T. 0.006 min

Lab File: BP025010.D

Acq: 19 Jun 2025 21:12

Instrument :

BNA_P

ClientSampleId :

3897

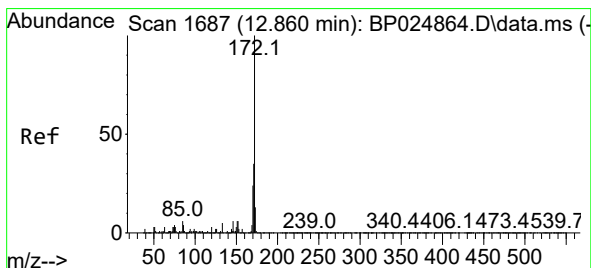
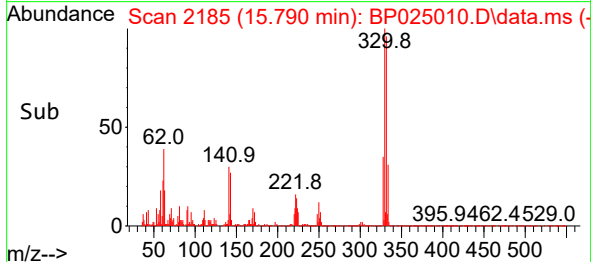
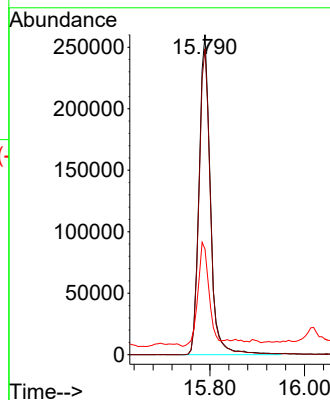
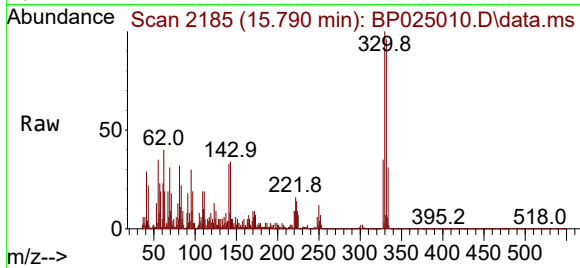
Tgt Ion:330 Resp: 430637

Ion Ratio Lower Upper

330 100

332 96.5 77.7 116.5

141 32.5 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 24.125 ng

RT: 12.854 min Scan# 1686

Delta R.T. -0.006 min

Lab File: BP025010.D

Acq: 19 Jun 2025 21:12

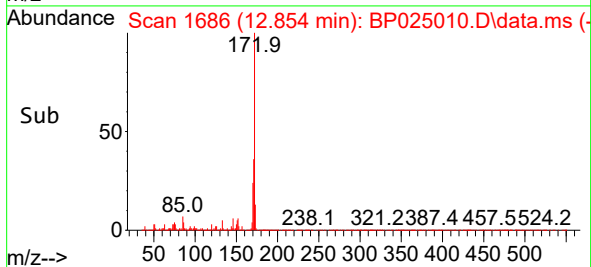
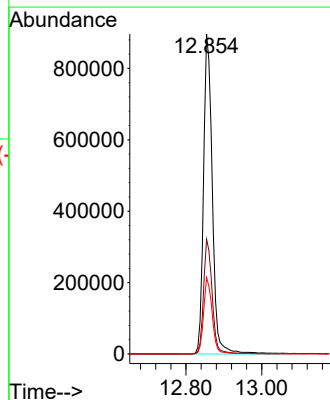
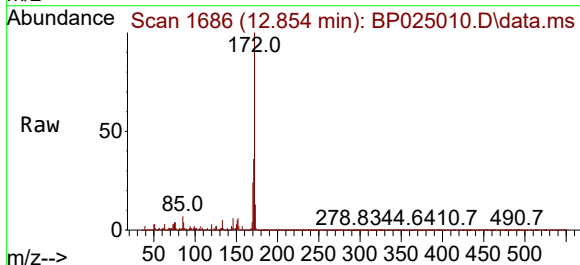
Tgt Ion:172 Resp: 1455155

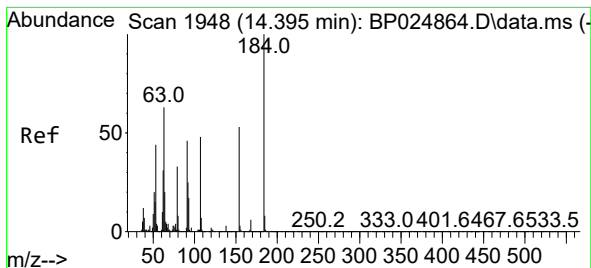
Ion Ratio Lower Upper

172 100

171 35.8 28.3 42.5

170 23.8 19.0 28.4





#54

2,4-Dinitrophenol

Concen: 5.585 ng

RT: 14.396 min Scan# 1948

Delta R.T. 0.001 min

Lab File: BP025010.D

Acq: 19 Jun 2025 21:12

Instrument :

BNA_P

ClientSampleId :

3897

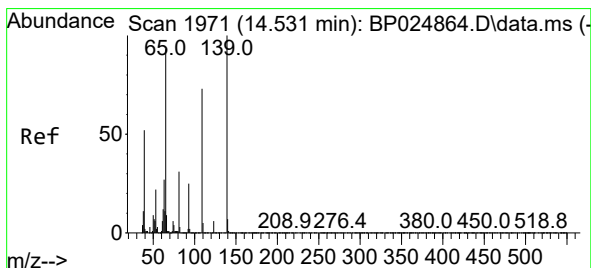
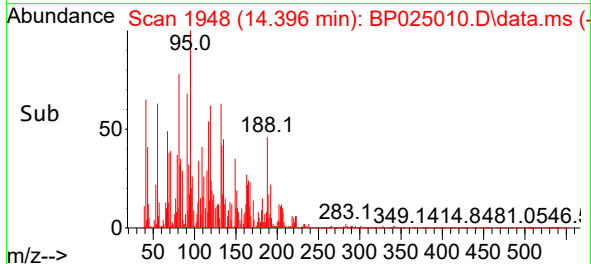
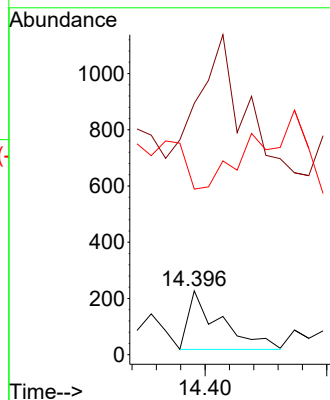
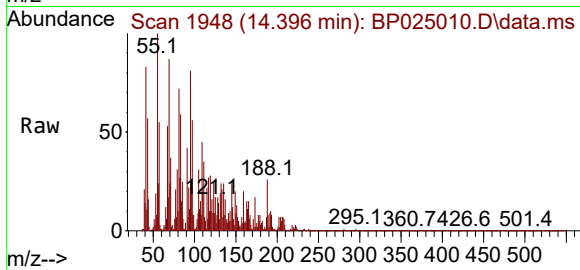
Tgt Ion:184 Resp: 191

Ion Ratio Lower Upper

184 100

63 393.8 51.0 76.4#

154 259.5 51.7 77.5#



#56

4-Nitrophenol

Concen: 5.470 ng

RT: 14.554 min Scan# 1975

Delta R.T. 0.023 min

Lab File: BP025010.D

Acq: 19 Jun 2025 21:12

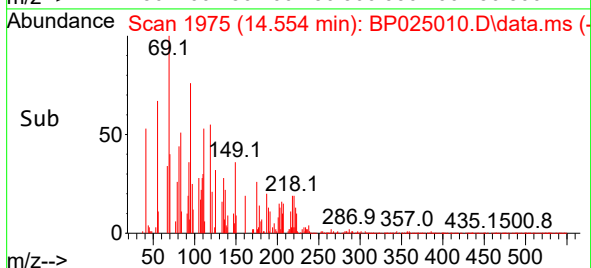
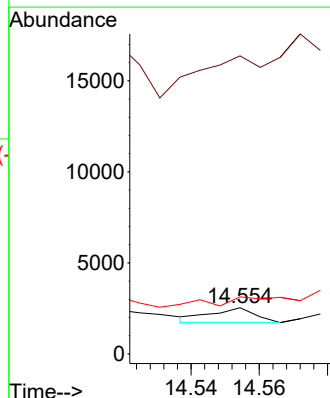
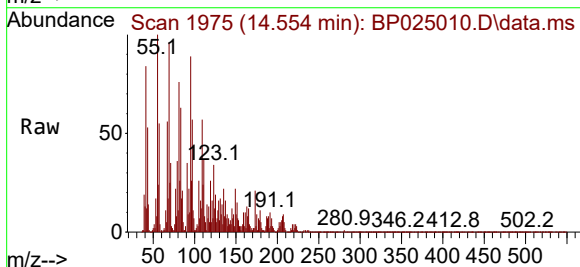
Tgt Ion:139 Resp: 735

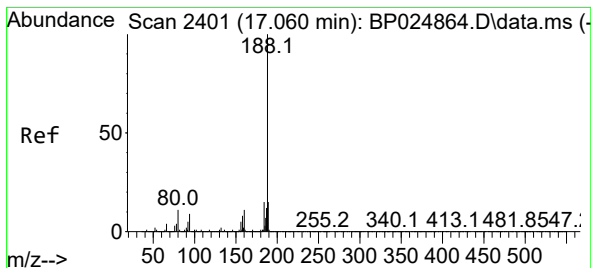
Ion Ratio Lower Upper

139 100

109 643.4 53.1 93.1#

65 123.2 73.0 113.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.066 min Scan# 2401

Delta R.T. 0.006 min

Lab File: BP025010.D

Acq: 19 Jun 2025 21:12

Instrument :

BNA_P

ClientSampleId :

3897

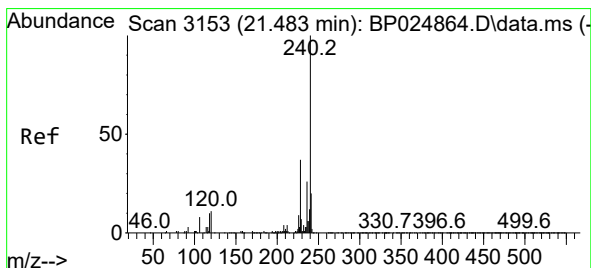
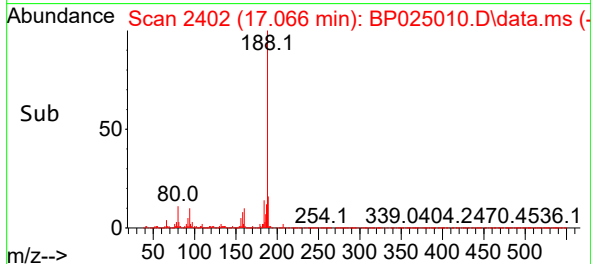
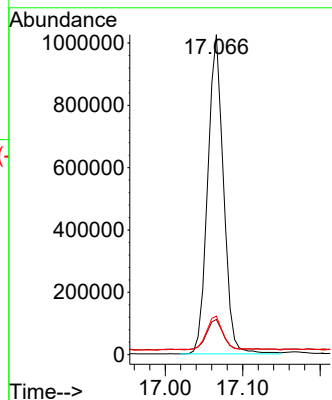
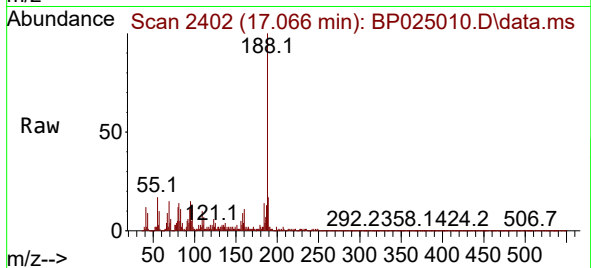
Tgt Ion:188 Resp: 1447802

Ion Ratio Lower Upper

188 100

94 11.0 7.3 10.9#

80 12.0 8.5 12.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.501 min Scan# 3156

Delta R.T. 0.018 min

Lab File: BP025010.D

Acq: 19 Jun 2025 21:12

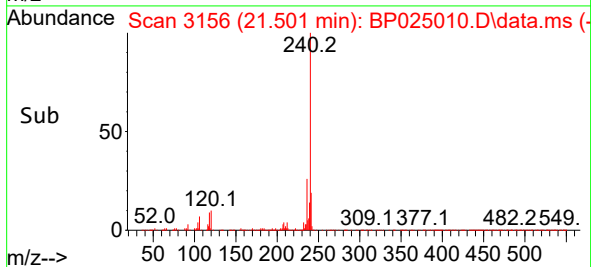
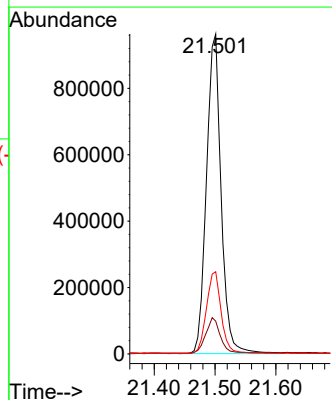
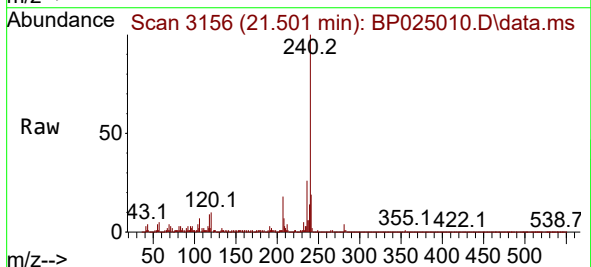
Tgt Ion:240 Resp: 1610392

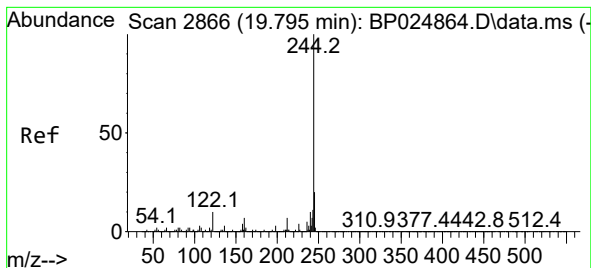
Ion Ratio Lower Upper

240 100

120 10.2 8.9 13.3

236 25.7 20.9 31.3





#79

Terphenyl-d14

Concen: 25.824 ng

RT: 19.789 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025010.D

Acq: 19 Jun 2025 21:12

Instrument :

BNA_P

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3897

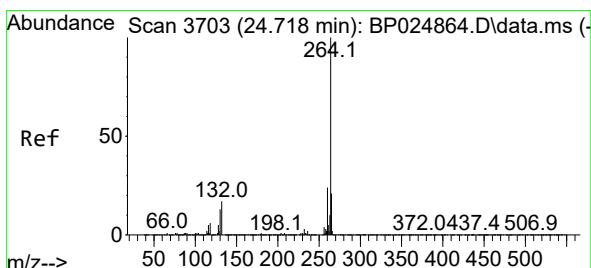
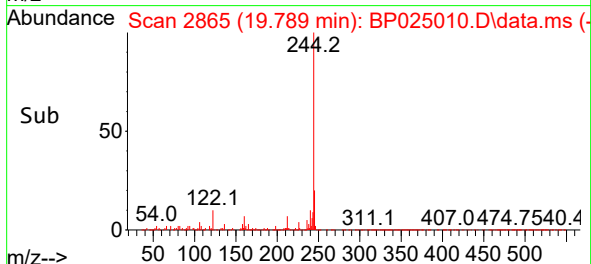
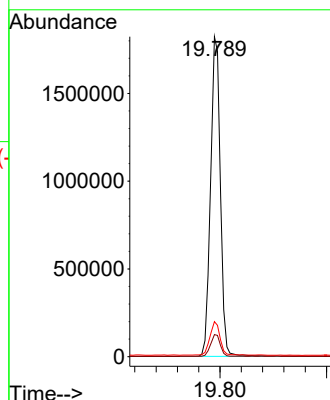
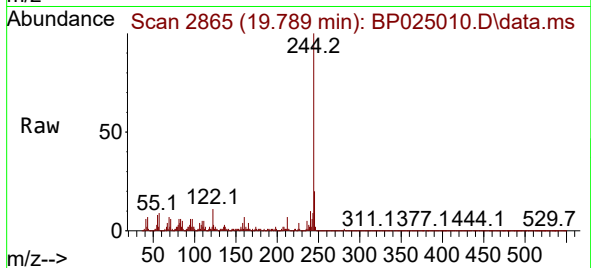
Tgt Ion:244 Resp: 2320397

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 10.9 7.7 11.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.777 min Scan# 3713

Delta R.T. 0.059 min

Lab File: BP025010.D

Acq: 19 Jun 2025 21:12

Tgt Ion:264 Resp: 1872053

Ion Ratio Lower Upper

264 100

260 24.3 19.0 28.4

265 22.5 17.4 26.0

