

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062025\
 Data File : BP025029.D
 Acq On : 20 Jun 2025 22:31
 Operator : RC/JU
 Sample : Q2367-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EP-4

Quant Time: Jun 20 23:29:10 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)

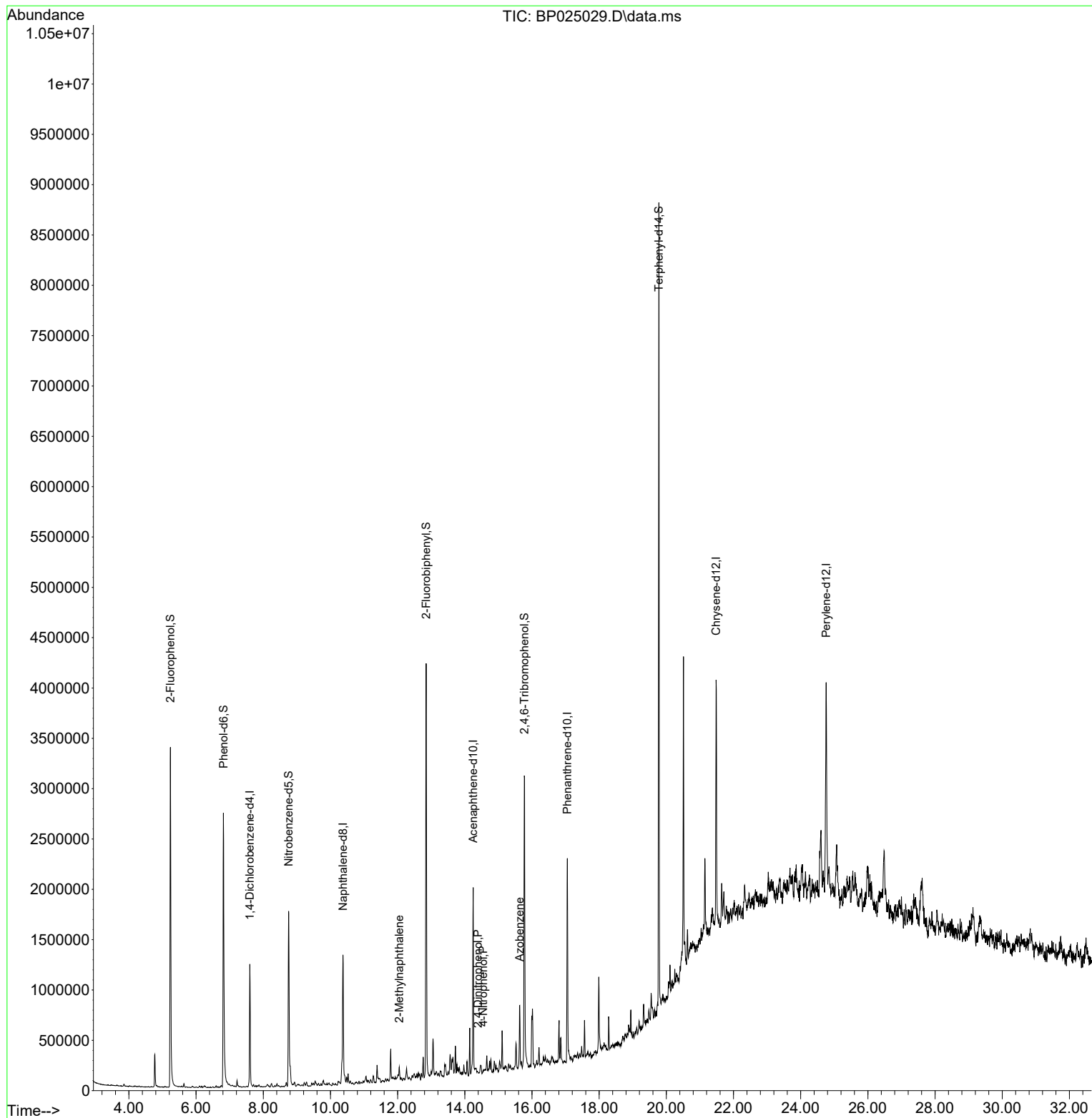
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.601	152	351398	20.000	ng	-0.01
21) Naphthalene-d8	10.372	136	1180058	20.000	ng	0.00
39) Acenaphthene-d10	14.248	164	631646	20.000	ng	0.00
64) Phenanthrene-d10	17.054	188	1246532	20.000	ng	0.00
76) Chrysene-d12	21.483	240	1534599	20.000	ng	0.00
86) Perylene-d12	24.759	264	1928265	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	1797455	85.382	ng	0.00
7) Phenol-d6	6.813	99	2056930	73.847	ng	0.00
23) Nitrobenzene-d5	8.754	82	1245103	51.272	ng	0.00
42) 2,4,6-Tribromophenol	15.777	330	785545	89.953	ng	0.00
45) 2-Fluorobiphenyl	12.848	172	2431863	51.865	ng	-0.01
79) Terphenyl-d14	19.777	244	3994634	46.653	ng	-0.02
Target Compounds						
						Qvalue
37) 2-Methylnaphthalene	12.048	142	87166	2.272	ng	98
54) 2,4-Dinitrophenol	14.389	184	78	5.575	ng	# 1
56) 4-Nitrophenol	14.548	139	1915	5.611	ng	# 1
63) Azobenzene	15.630	77	208885	4.905	ng	# 1

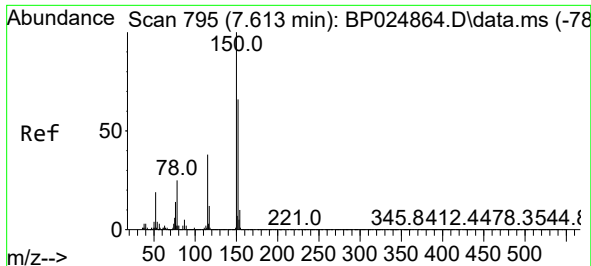
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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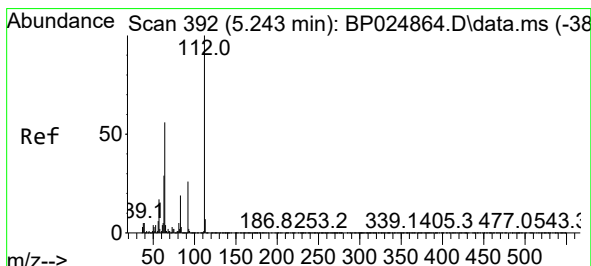
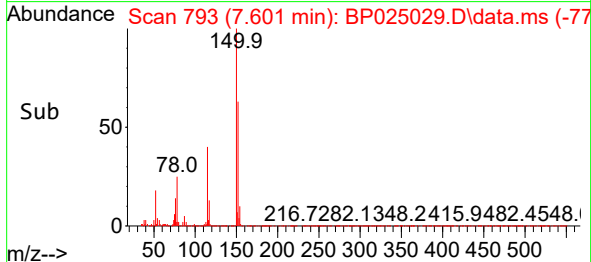
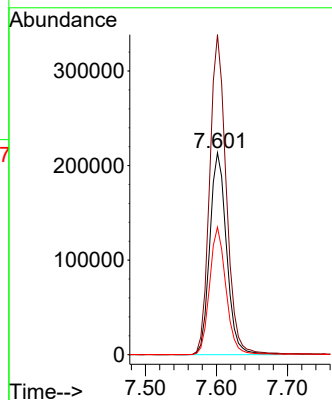
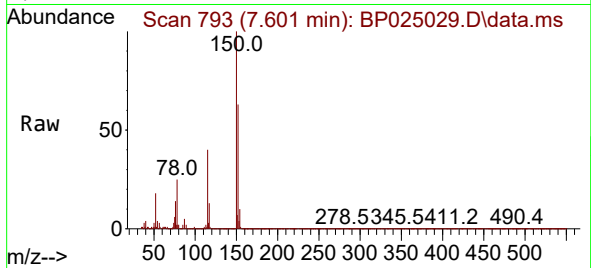




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.601 min Scan# 795
Delta R.T. -0.012 min
Lab File: BP025029.D
Acq: 20 Jun 2025 22:31

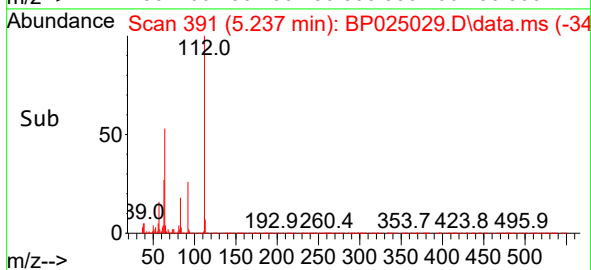
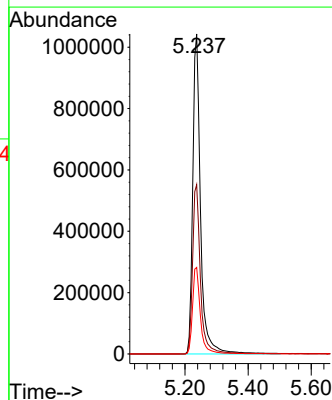
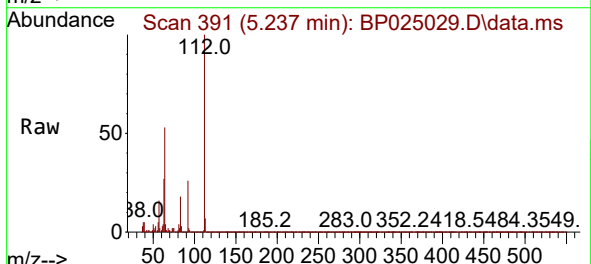
Instrument :
BNA_P
ClientSampleId :
EP-4

Tgt Ion:152 Resp: 351398
Ion Ratio Lower Upper
152 100
150 158.5 122.1 183.1
115 63.2 46.4 69.6



#5
2-Fluorophenol
Concen: 85.382 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP025029.D
Acq: 20 Jun 2025 22:31

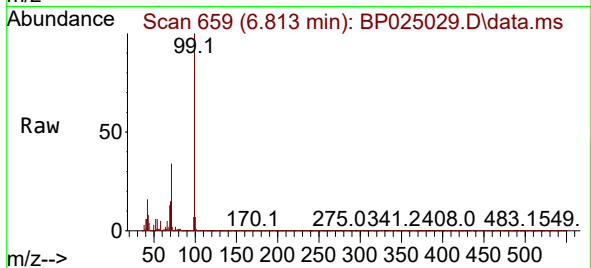
Tgt Ion:112 Resp: 1797455
Ion Ratio Lower Upper
112 100
64 52.9 44.7 67.1
63 27.0 23.5 35.3



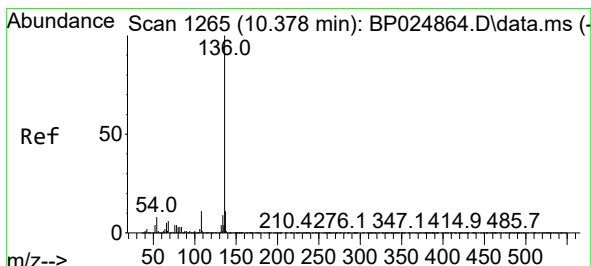
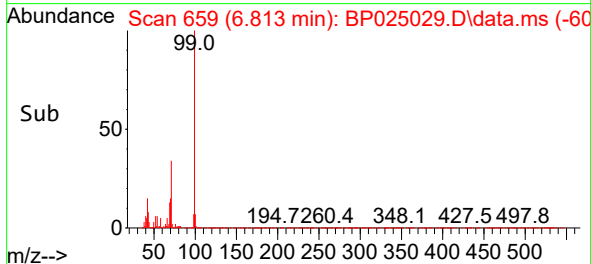
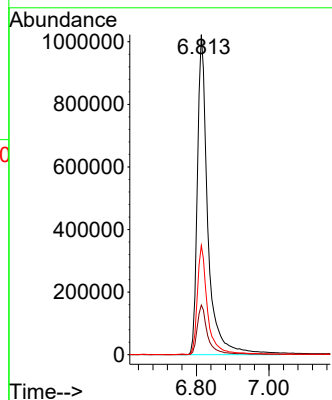


#7
Phenol-d6
Concen: 73.847 ng
RT: 6.813 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP025029.D
Acq: 20 Jun 2025 22:31

Instrument :
BNA_P
ClientSampleId :
EP-4

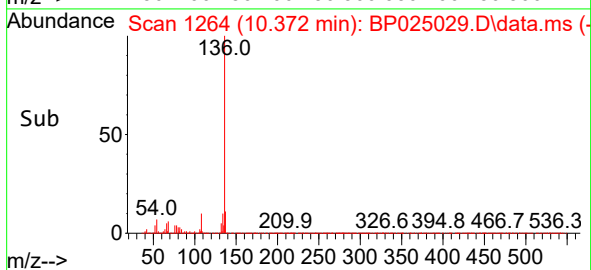
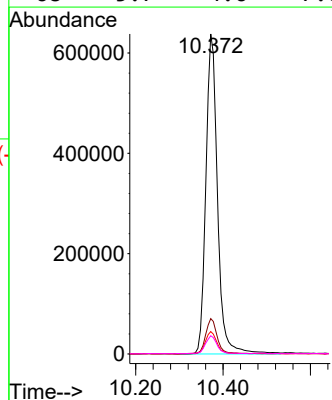
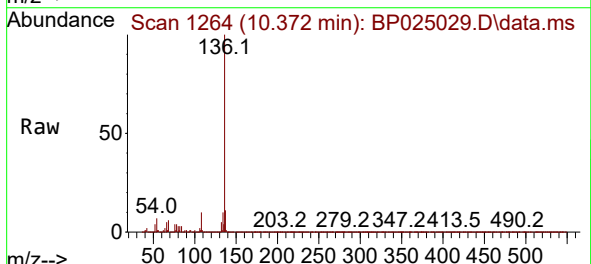


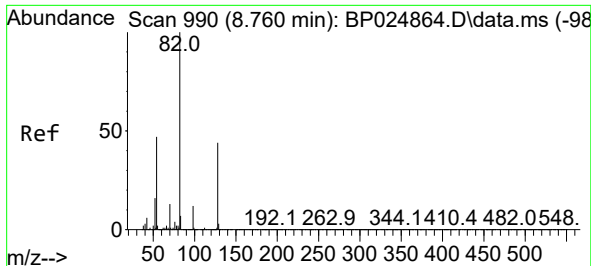
Tgt Ion: 99 Resp: 2056930
Ion Ratio Lower Upper
99 100
42 15.5 13.4 20.2
71 34.1 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.372 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BP025029.D
Acq: 20 Jun 2025 22:31

Tgt Ion: 136 Resp: 1180058
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.0 6.1 9.1
68 5.7 4.6 7.0

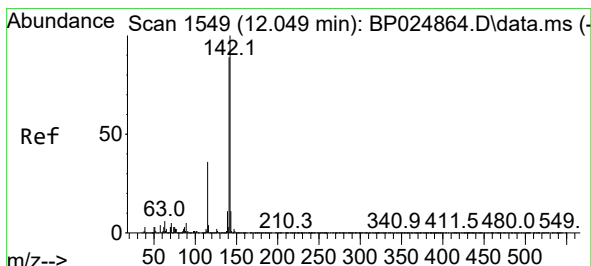
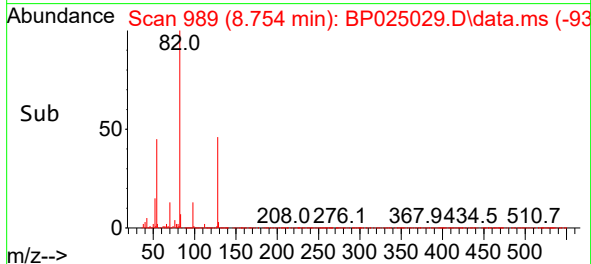
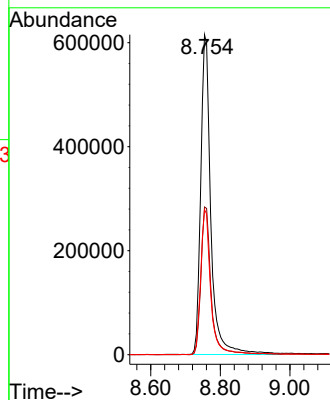
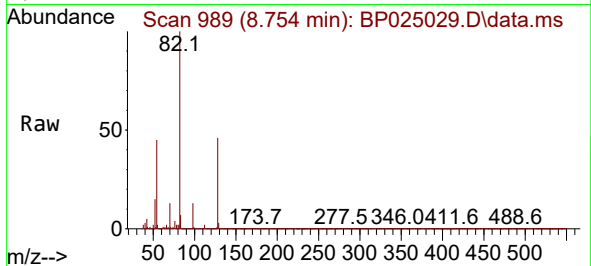




#23
Nitrobenzene-d5
Concen: 51.272 ng
RT: 8.754 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP025029.D
Acq: 20 Jun 2025 22:31

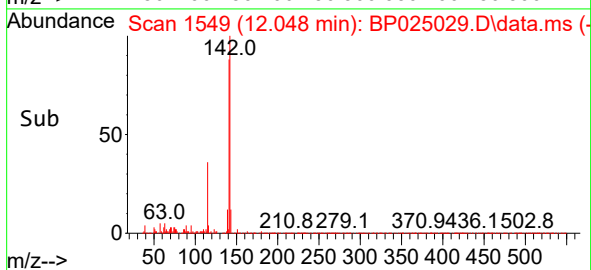
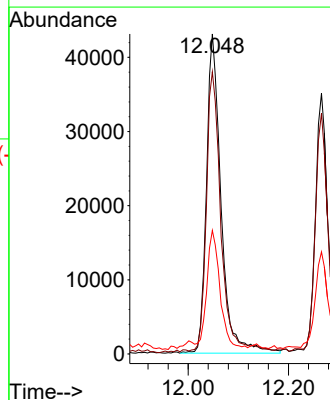
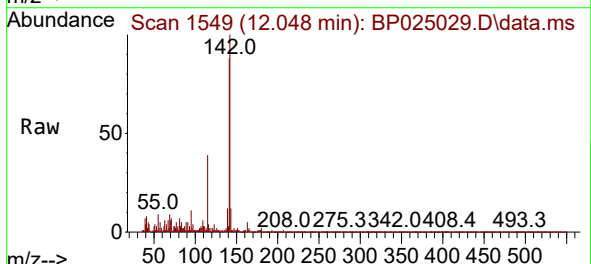
Instrument :
BNA_P
ClientSampleId :
EP-4

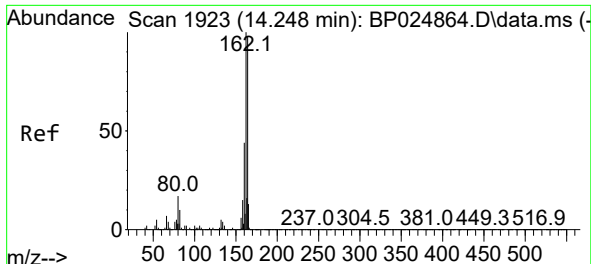
Tgt Ion: 82 Resp: 1245103
Ion Ratio Lower Upper
82 100
128 46.2 35.3 52.9
54 45.4 37.4 56.0



#37
2-Methylnaphthalene
Concen: 2.272 ng
RT: 12.048 min Scan# 1549
Delta R.T. -0.000 min
Lab File: BP025029.D
Acq: 20 Jun 2025 22:31

Tgt Ion:142 Resp: 87166
Ion Ratio Lower Upper
142 100
141 88.2 71.2 106.8
115 38.6 28.5 42.7

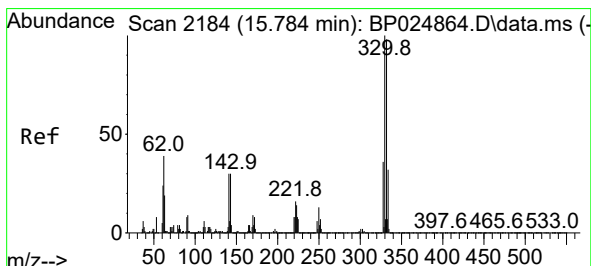
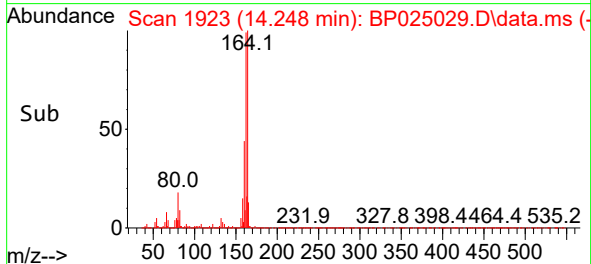
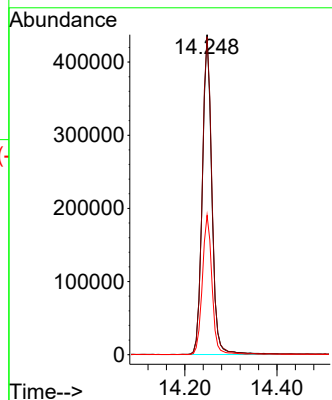
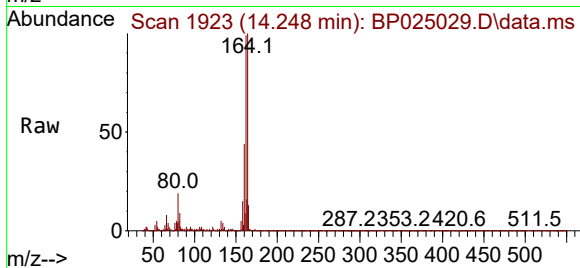




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.248 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BP025029.D
Acq: 20 Jun 2025 22:31

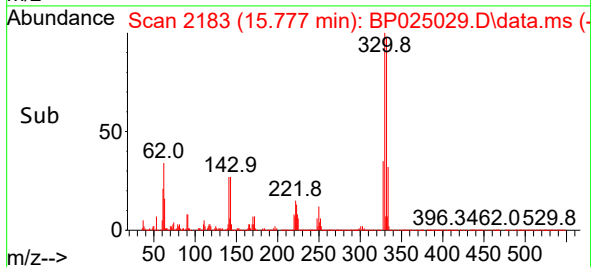
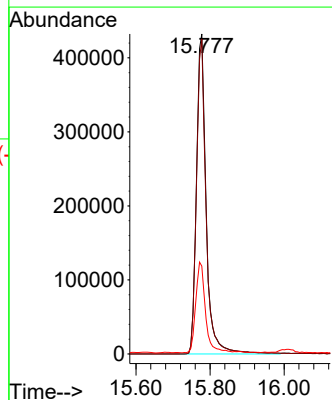
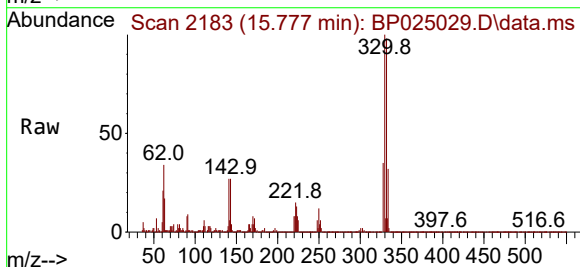
Instrument :
BNA_P
ClientSampleId :
EP-4

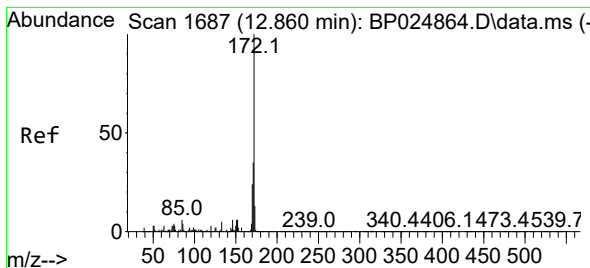
Tgt Ion:164 Resp: 631646
Ion Ratio Lower Upper
164 100
162 99.4 81.6 122.4
160 43.5 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 89.953 ng
RT: 15.777 min Scan# 2183
Delta R.T. -0.006 min
Lab File: BP025029.D
Acq: 20 Jun 2025 22:31

Tgt Ion:330 Resp: 785545
Ion Ratio Lower Upper
330 100
332 96.9 77.7 116.5
141 28.4 26.4 39.6





#45

2-Fluorobiphenyl

Concen: 51.865 ng

RT: 12.848 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP025029.D

Acq: 20 Jun 2025 22:31

Instrument :

BNA_P

ClientSampleId :

EP-4

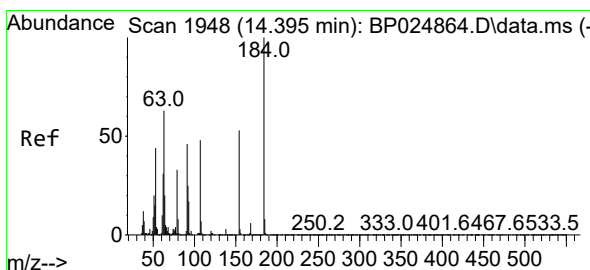
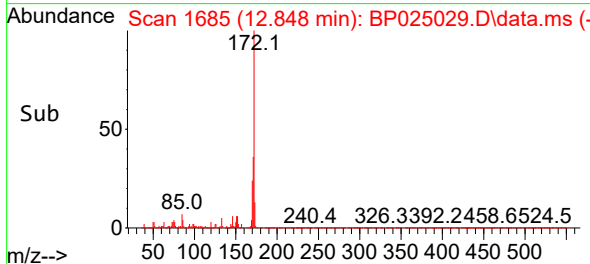
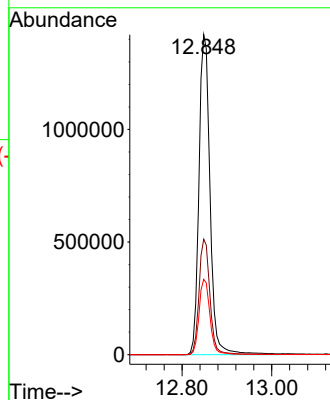
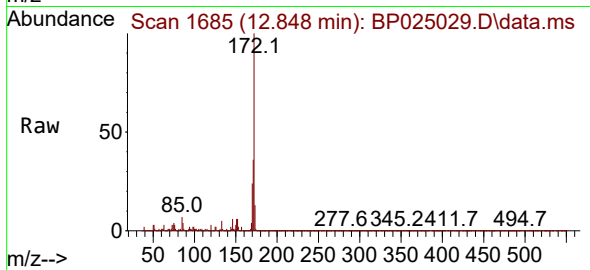
Tgt Ion:172 Resp: 2431863

Ion Ratio Lower Upper

172 100

171 36.1 28.3 42.5

170 23.6 19.0 28.4



#54

2,4-Dinitrophenol

Concen: 5.575 ng

RT: 14.389 min Scan# 1947

Delta R.T. -0.006 min

Lab File: BP025029.D

Acq: 20 Jun 2025 22:31

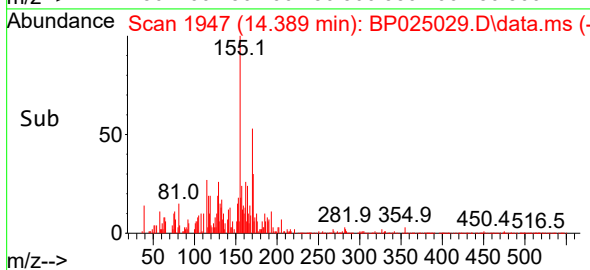
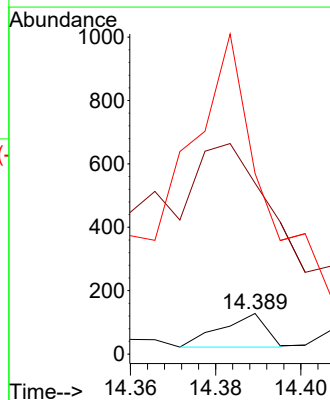
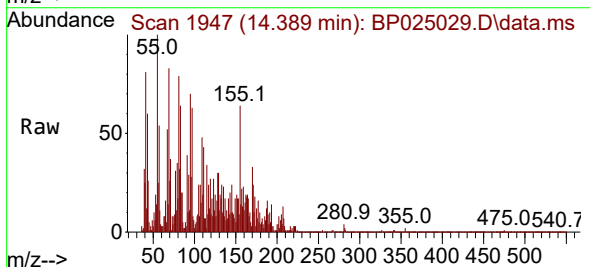
Tgt Ion:184 Resp: 78

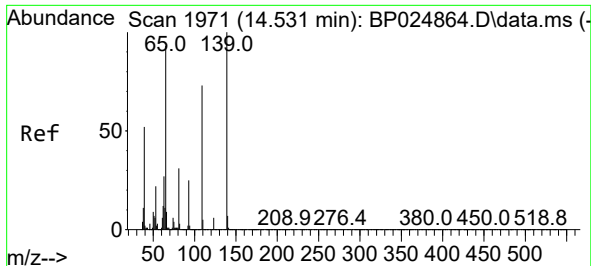
Ion Ratio Lower Upper

184 100

63 421.1 51.0 76.4#

154 445.3 51.7 77.5#

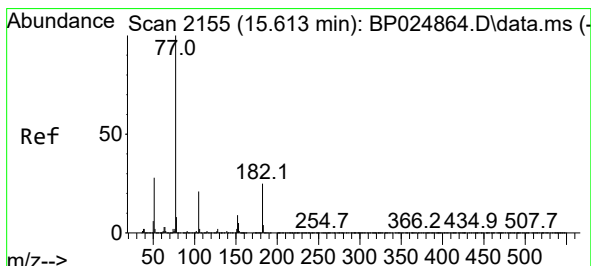
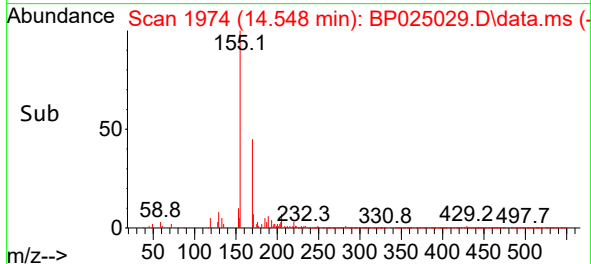
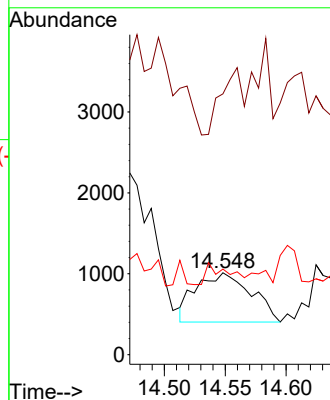
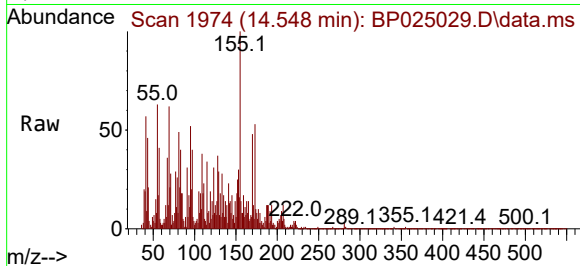




#56
4-Nitrophenol
Concen: 5.611 ng
RT: 14.548 min Scan# 1971
Delta R.T. 0.017 min
Lab File: BP025029.D
Acq: 20 Jun 2025 22:31

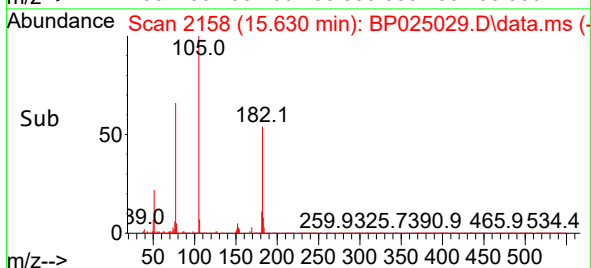
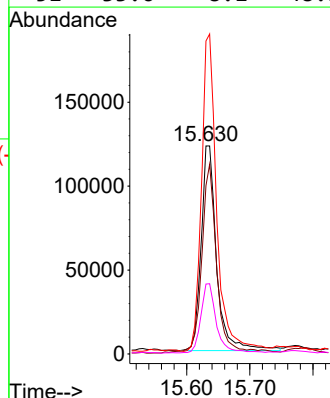
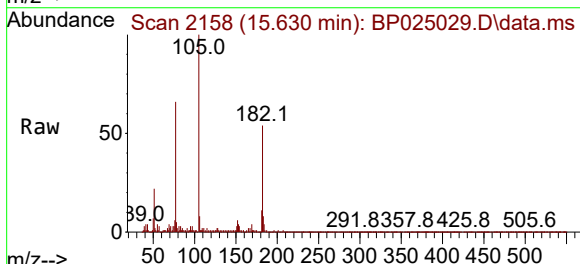
Instrument :
BNA_P
ClientSampleId :
EP-4

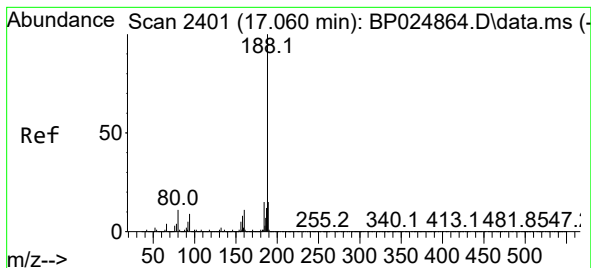
Tgt Ion:139 Resp: 1915
Ion Ratio Lower Upper
139 100
109 318.3 53.1 93.1#
65 104.4 73.0 113.0



#63
Azobenzene
Concen: 4.905 ng
RT: 15.630 min Scan# 2158
Delta R.T. 0.017 min
Lab File: BP025029.D
Acq: 20 Jun 2025 22:31

Tgt Ion: 77 Resp: 208885
Ion Ratio Lower Upper
77 100
182 80.9 5.4 45.4#
105 150.4 0.8 40.8#
51 33.6 8.1 48.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.054 min Scan# 2400

Delta R.T. -0.006 min

Lab File: BP025029.D

Acq: 20 Jun 2025 22:31

Instrument :

BNA_P

ClientSampleId :

EP-4

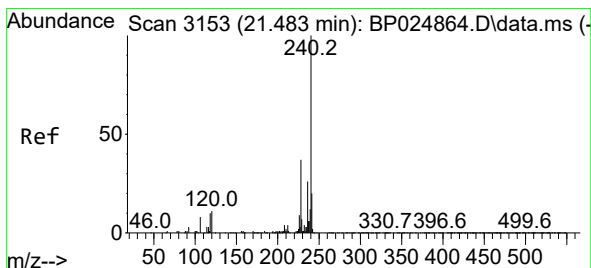
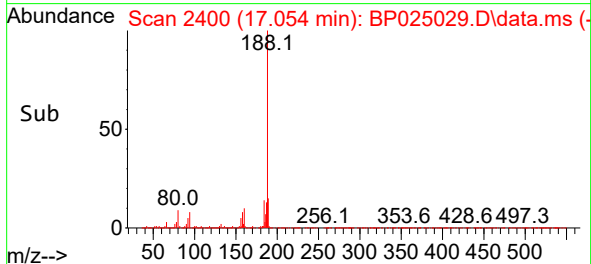
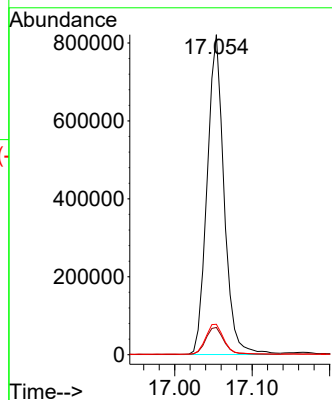
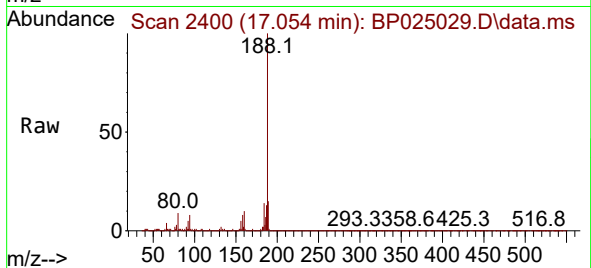
Tgt Ion:188 Resp: 1246532

Ion Ratio Lower Upper

188 100

94 8.5 7.3 10.9

80 9.5 8.5 12.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.483 min Scan# 3153

Delta R.T. -0.000 min

Lab File: BP025029.D

Acq: 20 Jun 2025 22:31

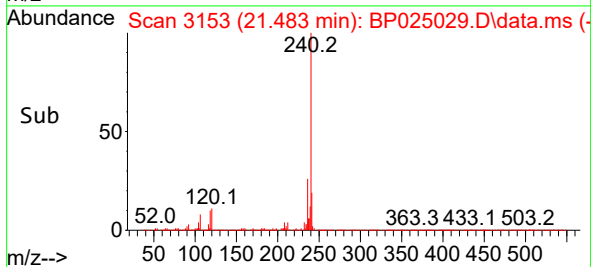
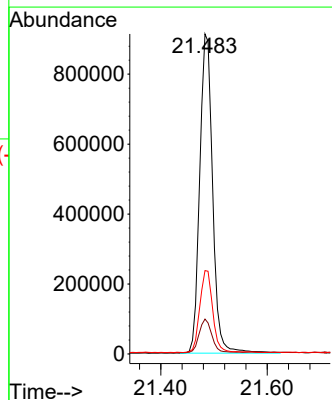
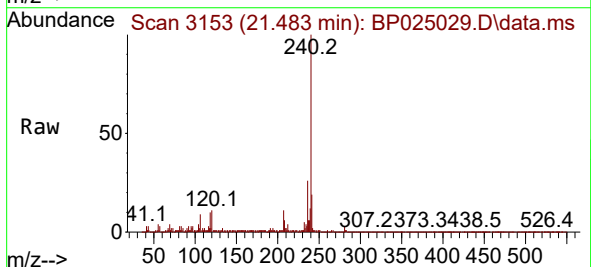
Tgt Ion:240 Resp: 1534599

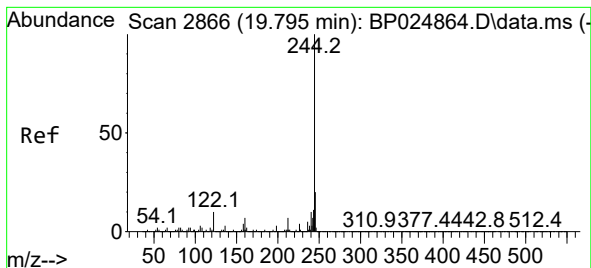
Ion Ratio Lower Upper

240 100

120 10.9 8.9 13.3

236 26.0 20.9 31.3





#79

Terphenyl-d14

Concen: 46.653 ng

RT: 19.777 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP025029.D

Acq: 20 Jun 2025 22:31

Instrument :

BNA_P

ClientSampleId :

EP-4

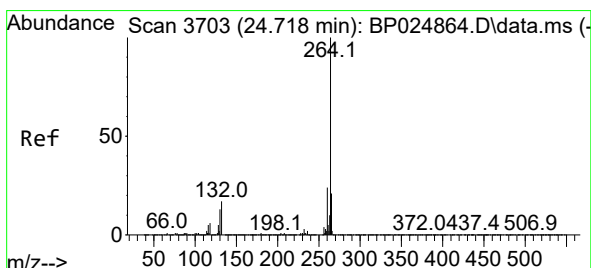
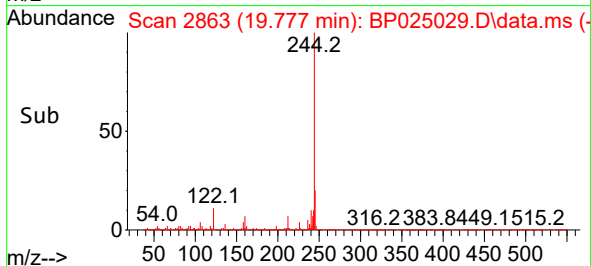
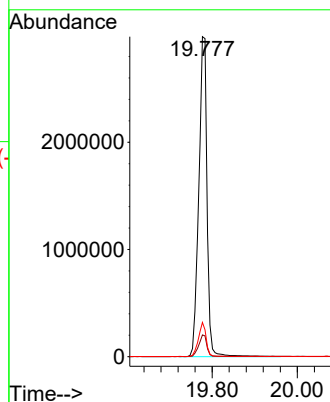
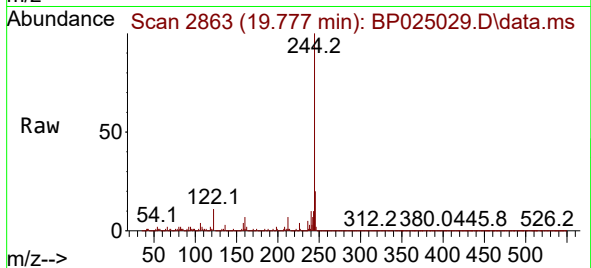
Tgt Ion:244 Resp: 3994634

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 10.7 7.7 11.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.759 min Scan# 3710

Delta R.T. 0.041 min

Lab File: BP025029.D

Acq: 20 Jun 2025 22:31

Tgt Ion:264 Resp: 1928265

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.4

265 22.6 17.4 26.0

