

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100925\
 Data File : BP025963.D
 Acq On : 09 Oct 2025 13:44
 Operator : RC/JU
 Sample : PB170038BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB170038BL

Quant Time: Oct 09 14:12:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 08 16:22:13 2025
 Response via : Initial Calibration

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

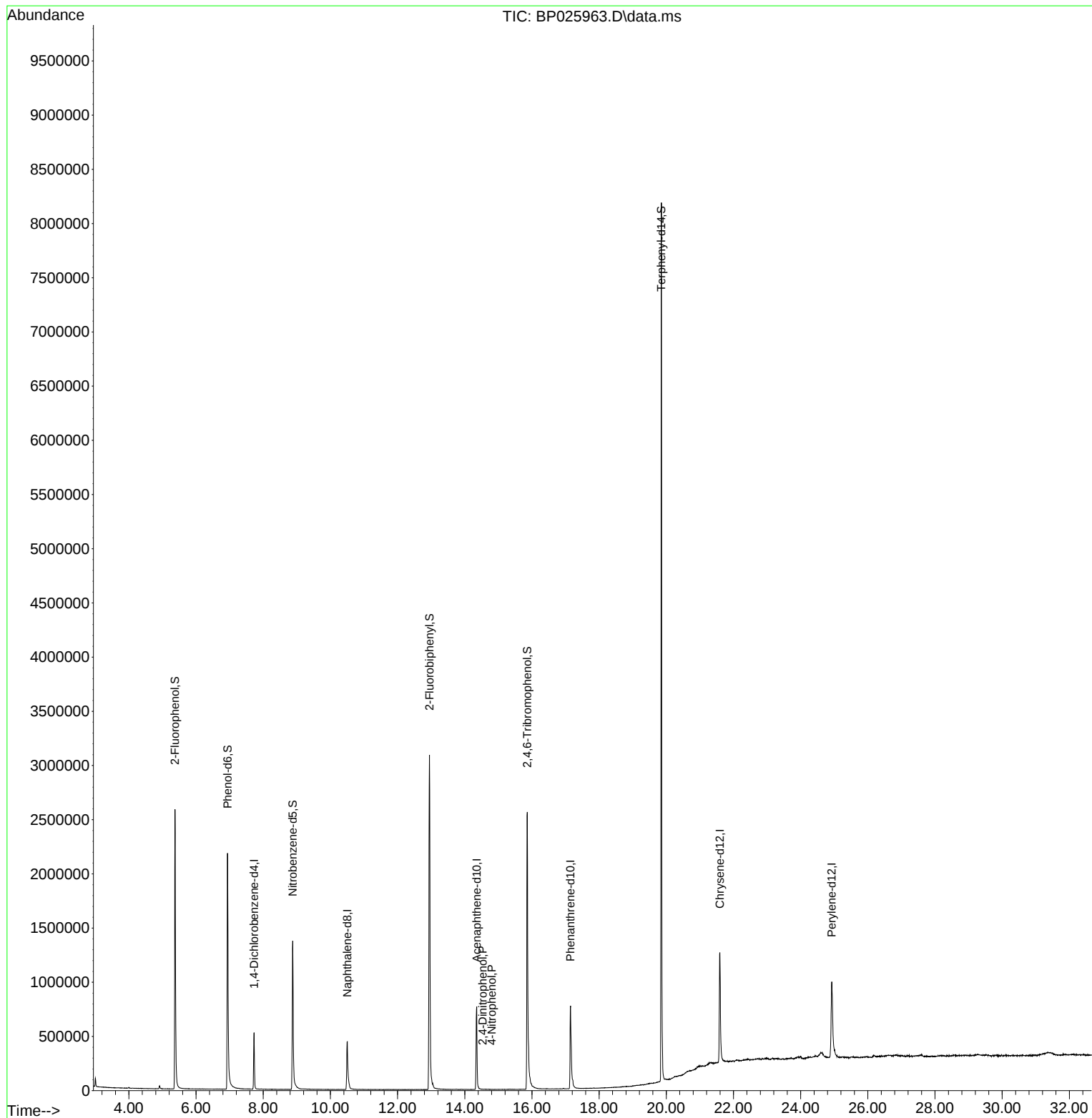
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.725	152	152380	20.000	ng	0.00
21) Naphthalene-d8	10.502	136	573965	20.000	ng	0.01
39) Acenaphthene-d10	14.354	164	372033	20.000	ng	0.02
64) Phenanthrene-d10	17.148	188	826427	20.000	ng	0.02
76) Chrysene-d12	21.595	240	906837	20.000	ng	0.02
86) Perylene-d12	24.924	264	957992	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.372	112	1328207	142.265	ng	0.00
7) Phenol-d6	6.937	99	1631018	132.292	ng	0.00
23) Nitrobenzene-d5	8.878	82	1022054	79.696	ng	0.00
42) 2,4,6-Tribromophenol	15.860	330	738719	158.999	ng	0.00
45) 2-Fluorobiphenyl	12.948	172	2377676	85.854	ng	0.00
79) Terphenyl-d14	19.854	244	4336266	86.223	ng	0.00
Target Compounds						
						Qvalue
54) 2,4-Dinitrophenol	14.531	184	24	4.826	ng	93
56) 4-Nitrophenol	14.801	139	47	4.543	ng	93

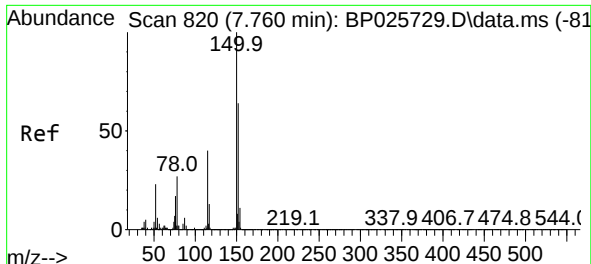
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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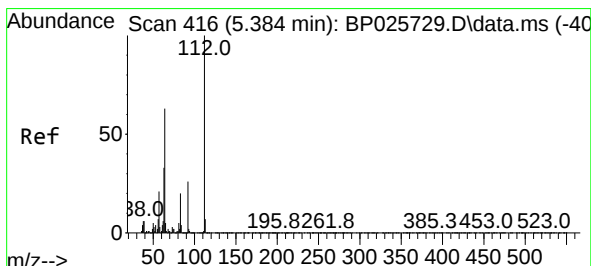
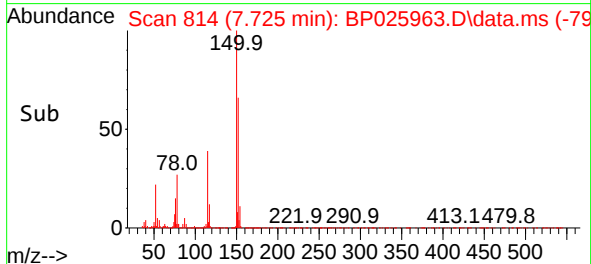
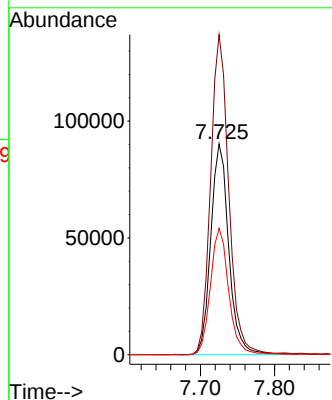
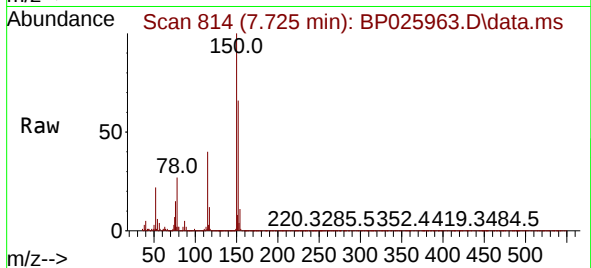




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.725 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025963.D
Acq: 09 Oct 2025 13:44

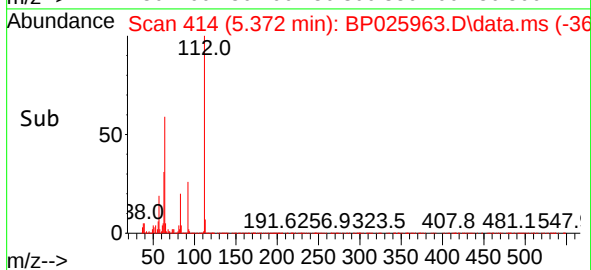
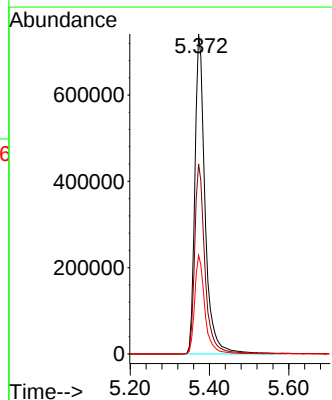
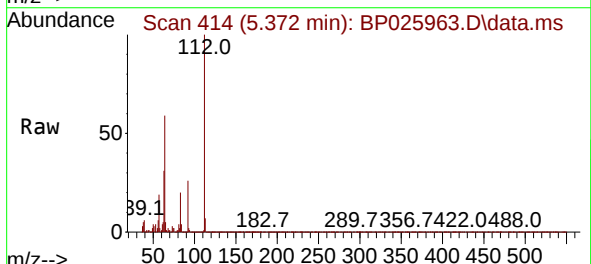
Instrument :
BNA_P
ClientSampleId :
PB170038BL

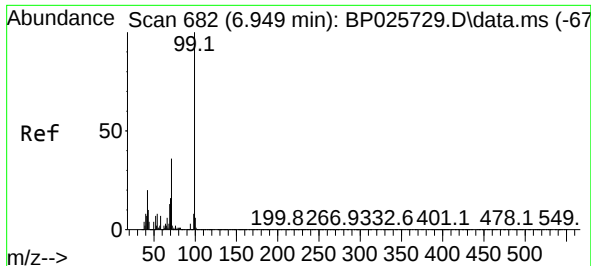
Tgt Ion:152 Resp: 152380
Ion Ratio Lower Upper
152 100
150 151.8 124.3 186.5
115 60.0 50.3 75.5



#5
2-Fluorophenol
Concen: 142.265 ng
RT: 5.372 min Scan# 414
Delta R.T. -0.000 min
Lab File: BP025963.D
Acq: 09 Oct 2025 13:44

Tgt Ion:112 Resp: 1328207
Ion Ratio Lower Upper
112 100
64 59.4 50.2 75.4
63 30.9 26.7 40.1

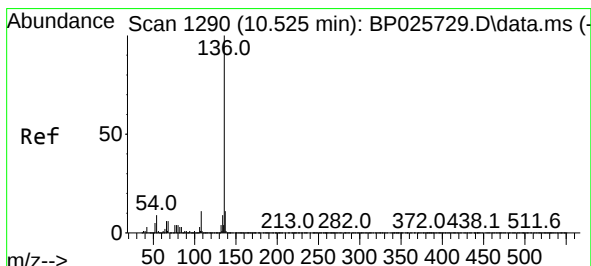
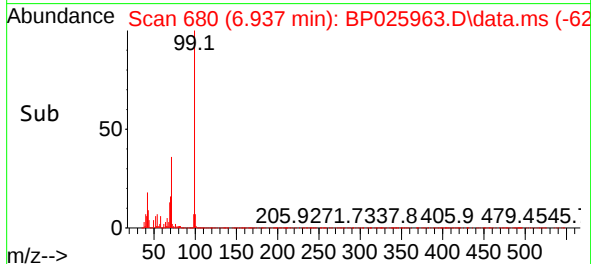
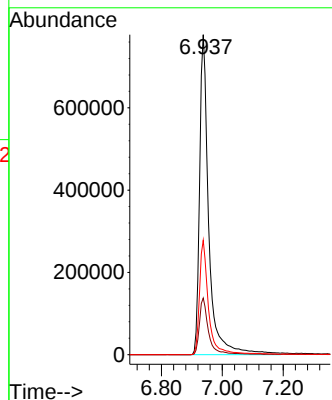
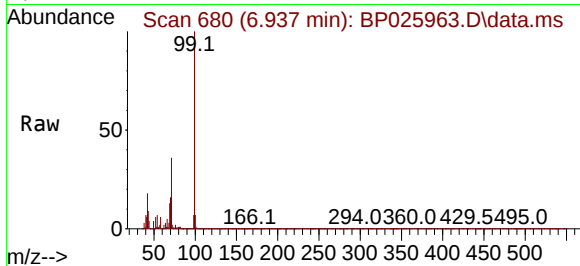




#7
Phenol-d6
Concen: 132.292 ng
RT: 6.937 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP025963.D
Acq: 09 Oct 2025 13:44

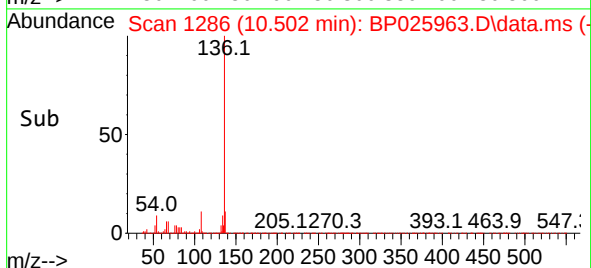
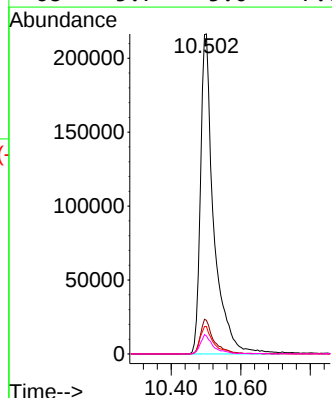
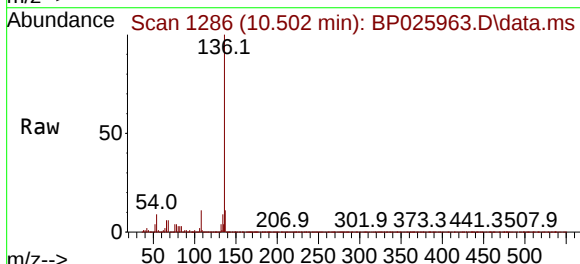
Instrument :
BNA_P
ClientSampleId :
PB170038BL

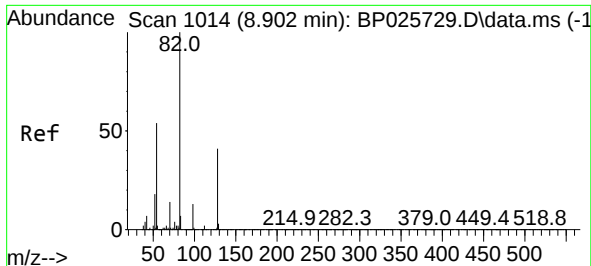
Tgt Ion: 99 Resp: 1631018
Ion Ratio Lower Upper
99 100
42 17.7 15.6 23.4
71 35.7 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.502 min Scan# 1286
Delta R.T. 0.012 min
Lab File: BP025963.D
Acq: 09 Oct 2025 13:44

Tgt Ion:136 Resp: 573965
Ion Ratio Lower Upper
136 100
137 10.5 8.7 13.1
54 8.6 7.5 11.3
68 5.7 5.0 7.6

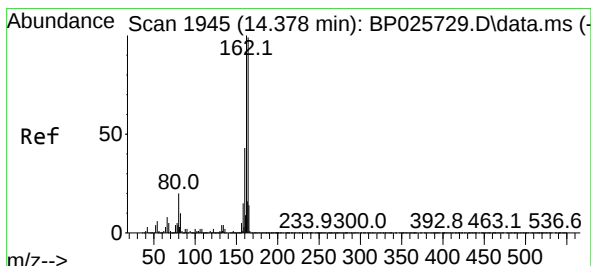
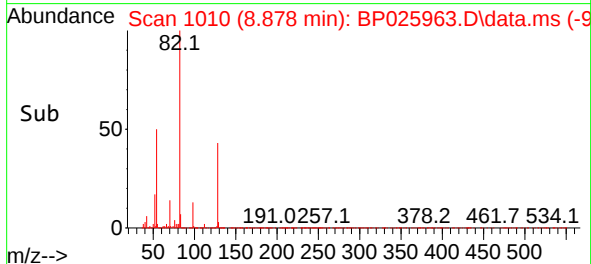
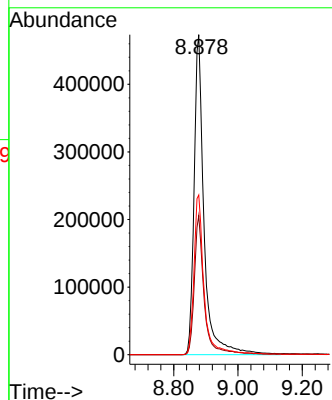
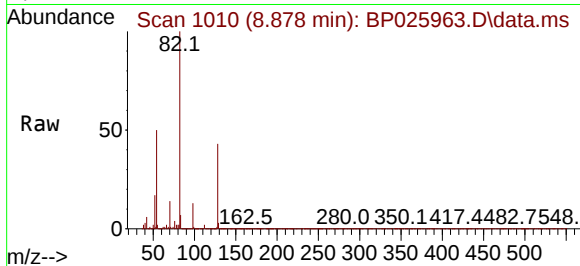




#23
Nitrobenzene-d5
Concen: 79.696 ng
RT: 8.878 min Scan# 1010
Delta R.T. -0.000 min
Lab File: BP025963.D
Acq: 09 Oct 2025 13:44

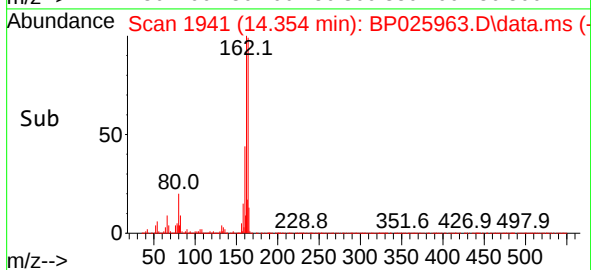
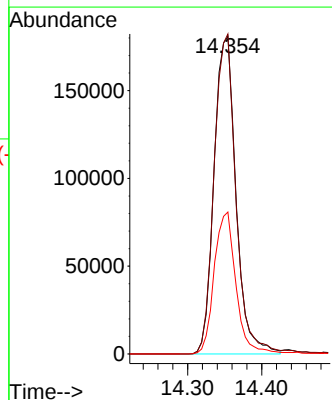
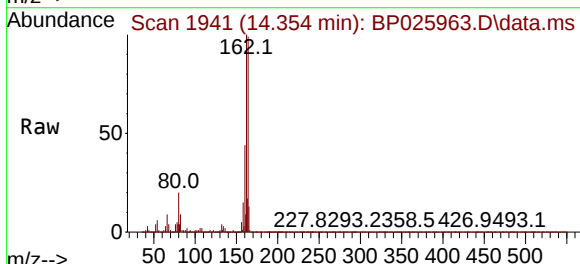
Instrument :
BNA_P
ClientSampleId :
PB170038BL

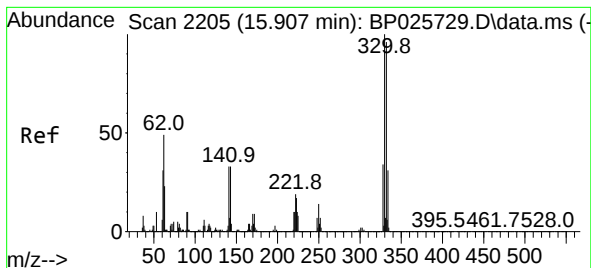
Tgt Ion: 82 Resp: 1022054
Ion Ratio Lower Upper
82 100
128 43.4 32.9 49.3
54 49.9 43.4 65.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.354 min Scan# 1941
Delta R.T. 0.018 min
Lab File: BP025963.D
Acq: 09 Oct 2025 13:44

Tgt Ion: 164 Resp: 372033
Ion Ratio Lower Upper
164 100
162 100.7 80.6 120.8
160 44.7 35.0 52.6





#42

2,4,6-Tribromophenol

Concen: 158.999 ng

RT: 15.860 min Scan# 2197

Delta R.T. 0.006 min

Lab File: BP025963.D

Acq: 09 Oct 2025 13:44

Instrument :

BNA_P

ClientSampleId :

PB170038BL

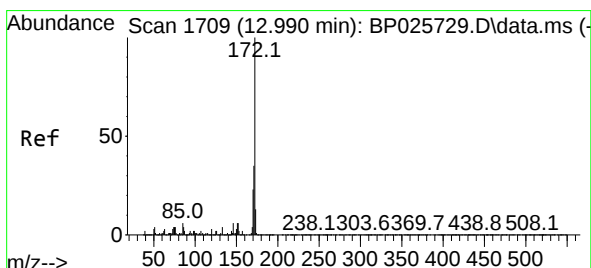
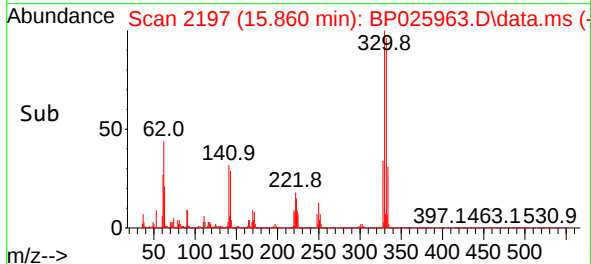
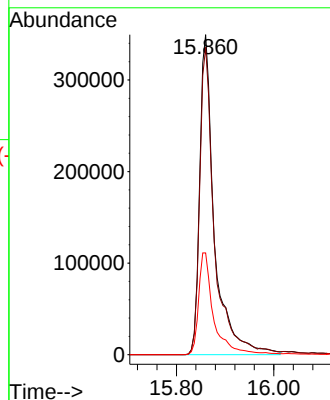
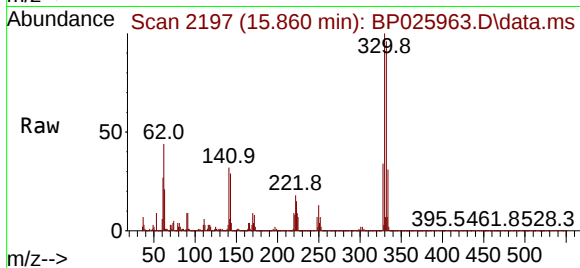
Tgt Ion:330 Resp: 738719

Ion Ratio Lower Upper

330 100

332 96.2 76.9 115.3

141 32.7 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 85.854 ng

RT: 12.948 min Scan# 1702

Delta R.T. -0.000 min

Lab File: BP025963.D

Acq: 09 Oct 2025 13:44

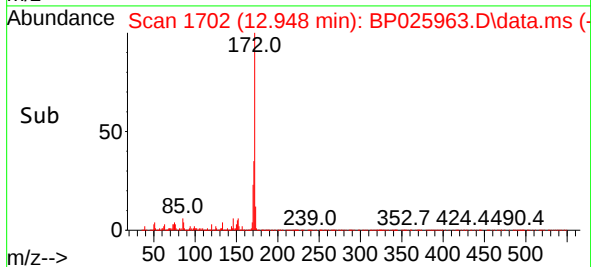
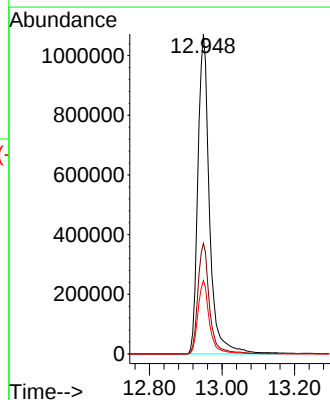
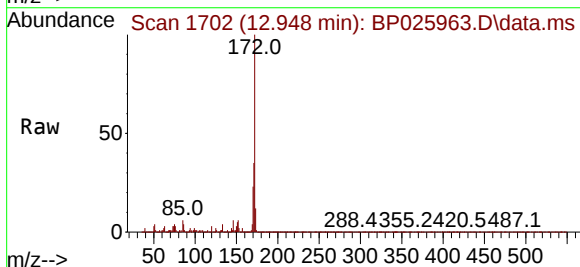
Tgt Ion:172 Resp: 2377676

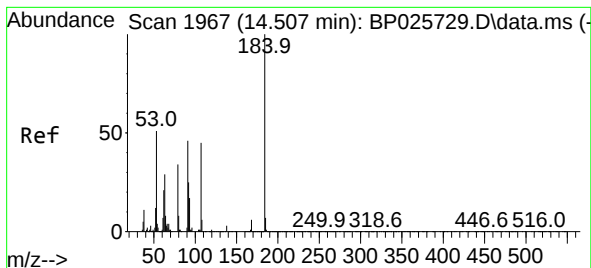
Ion Ratio Lower Upper

172 100

171 34.6 27.8 41.6

170 23.0 18.6 27.8





#54

2,4-Dinitrophenol

Concen: 4.826 ng

RT: 14.531 min Scan# 1967

Delta R.T. 0.041 min

Lab File: BP025963.D

Acq: 09 Oct 2025 13:44

Instrument :

BNA_P

ClientSampleId :

PB170038BL

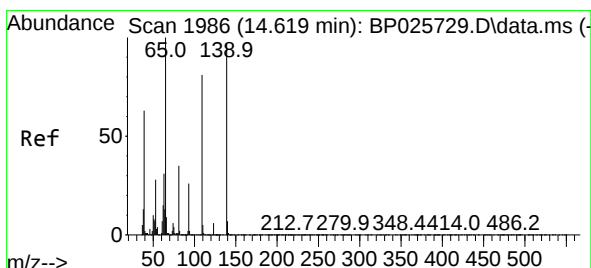
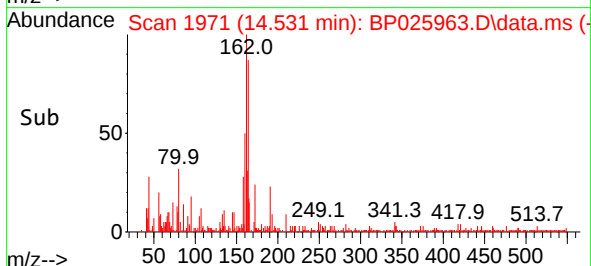
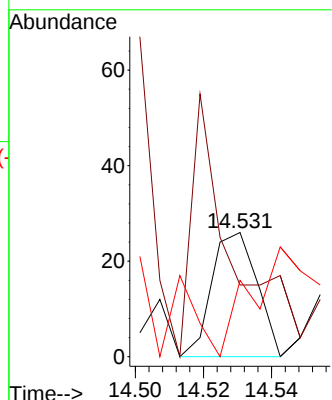
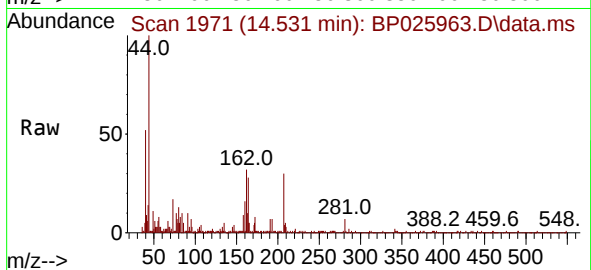
Tgt Ion:184 Resp: 24

Ion Ratio Lower Upper

184 100

63 57.7 52.5 78.7

154 61.5 51.5 77.3



#56

4-Nitrophenol

Concen: 4.543 ng

RT: 14.801 min Scan# 2017

Delta R.T. 0.171 min

Lab File: BP025963.D

Acq: 09 Oct 2025 13:44

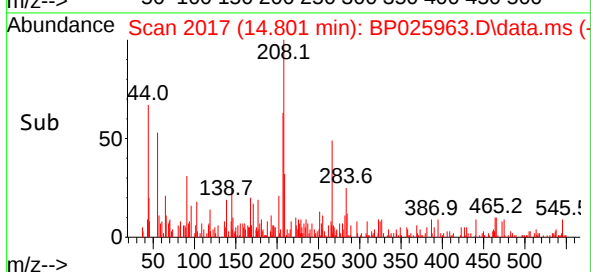
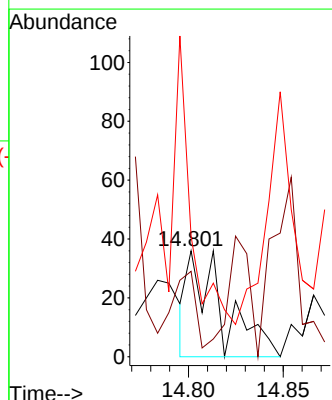
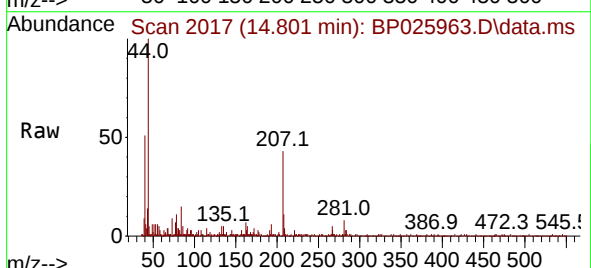
Tgt Ion:139 Resp: 47

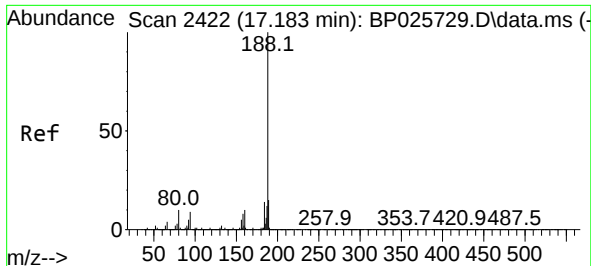
Ion Ratio Lower Upper

139 100

109 80.6 62.9 102.9

65 113.9 83.4 123.4

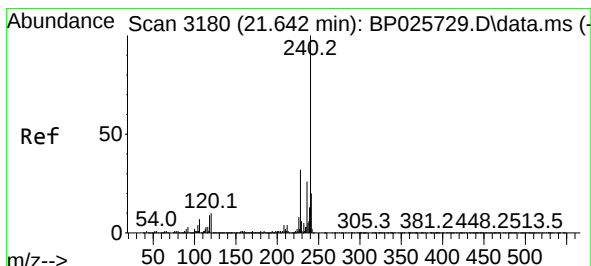
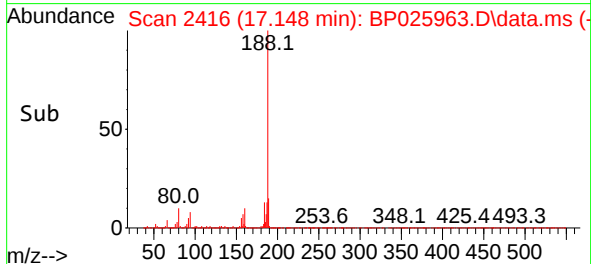
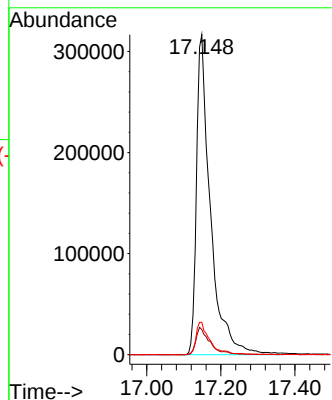
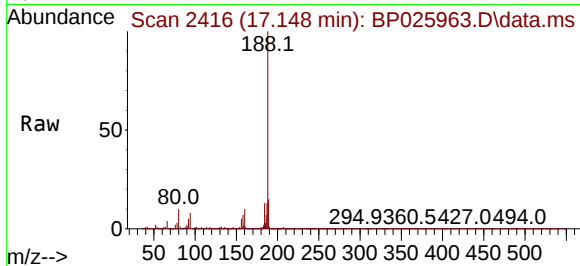




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.148 min Scan# 2416
Delta R.T. 0.018 min
Lab File: BP025963.D
Acq: 09 Oct 2025 13:44

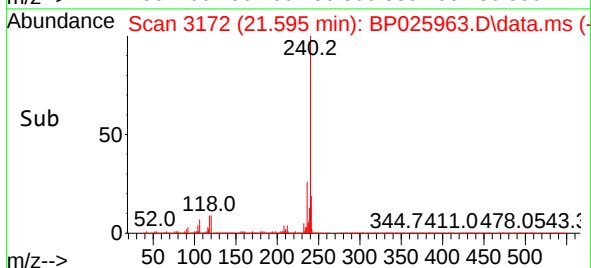
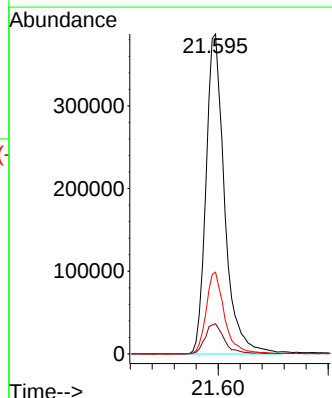
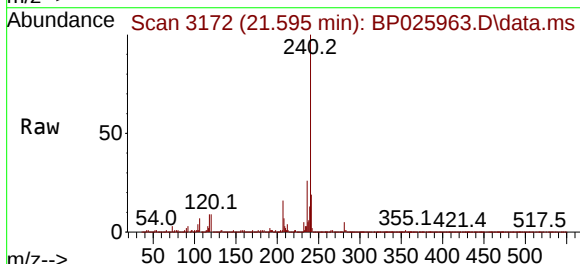
Instrument :
BNA_P
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PB170038BL

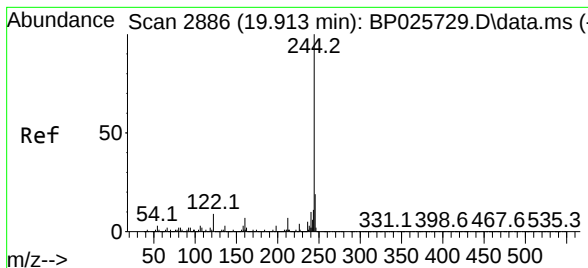
Tgt Ion:188 Resp: 826427
Ion Ratio Lower Upper
188 100
94 7.8 7.4 11.0
80 10.2 7.7 11.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.595 min Scan# 3172
Delta R.T. 0.023 min
Lab File: BP025963.D
Acq: 09 Oct 2025 13:44

Tgt Ion:240 Resp: 906837
Ion Ratio Lower Upper
240 100
120 9.5 8.0 12.0
236 25.5 20.7 31.1





#79

Terphenyl-d14

Concen: 86.223 ng

RT: 19.854 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP025963.D

Acq: 09 Oct 2025 13:44

Instrument :

BNA_P

ClientSampleId :

PB170038BL

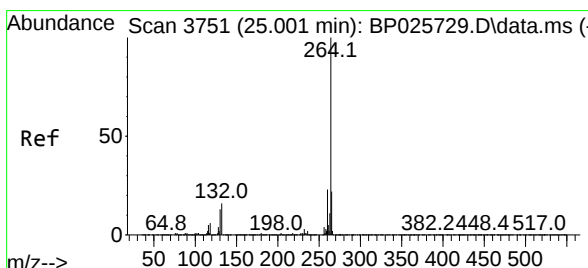
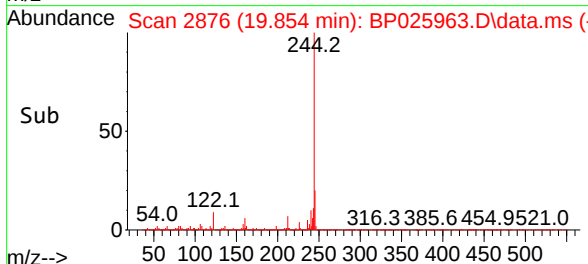
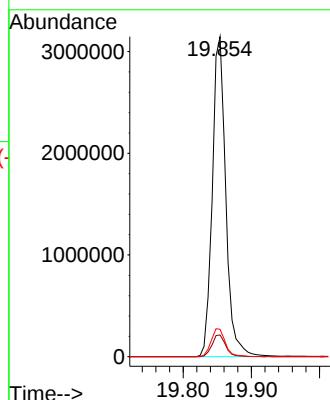
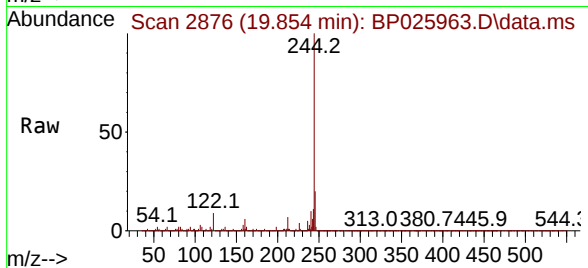
Tgt Ion:244 Resp: 4336266

Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

122 8.5 7.1 10.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.924 min Scan# 3738

Delta R.T. 0.006 min

Lab File: BP025963.D

Acq: 09 Oct 2025 13:44

Tgt Ion:264 Resp: 957992

Ion Ratio Lower Upper

264 100

260 23.1 18.3 27.5

265 21.6 17.3 25.9

