

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100625\
 Data File : BP025934.D
 Acq On : 06 Oct 2025 22:29
 Operator : CG/JU
 Sample : Q3289-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 72-11966

Quant Time: Oct 07 02:09:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 19:16:54 2025
 Response via : Initial Calibration

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

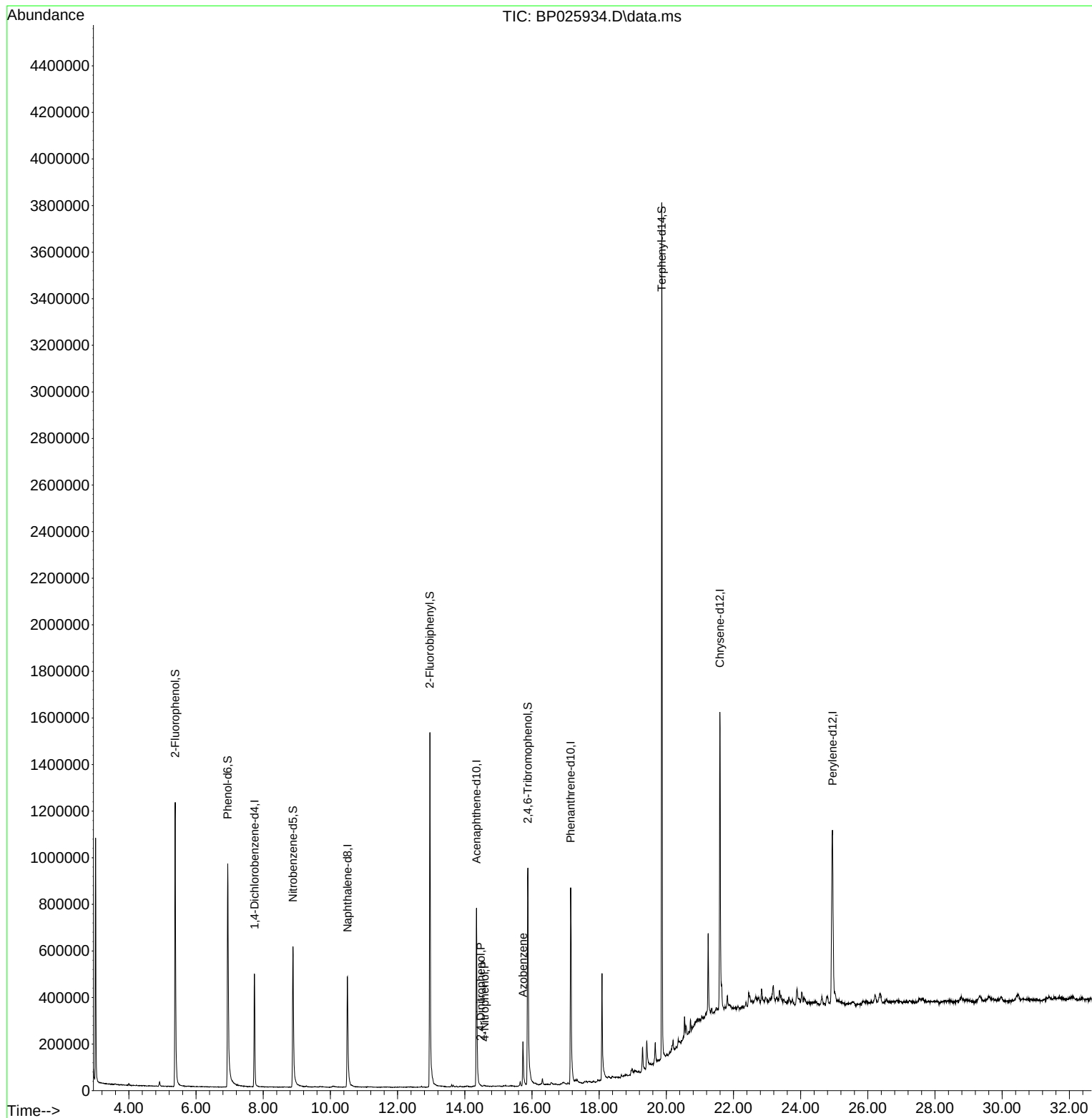
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.737	152	147889	20.000	ng	-0.02
21) Naphthalene-d8	10.507	136	543737	20.000	ng	-0.02
39) Acenaphthene-d10	14.348	164	347966	20.000	ng	-0.03
64) Phenanthrene-d10	17.154	188	703361	20.000	ng	-0.03
76) Chrysene-d12	21.595	240	810779	20.000	ng	-0.05
86) Perylene-d12	24.948	264	924770	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.378	112	644832	70.355	ng	0.00
7) Phenol-d6	6.943	99	803301	65.939	ng	0.00
23) Nitrobenzene-d5	8.884	82	487433	39.543	ng	-0.02
42) 2,4,6-Tribromophenol	15.878	330	284424	65.533	ng	-0.03
45) 2-Fluorobiphenyl	12.960	172	971036	37.157	ng	-0.03
79) Terphenyl-d14	19.866	244	1896707	42.085	ng	-0.05
Target Compounds						
						Qvalue
54) 2,4-Dinitrophenol	14.478	184	18	4.829	ng	# 23
56) 4-Nitrophenol	14.590	139	30	4.488	ng	# 1
63) Azobenzene	15.731	77	77881	2.989	ng	# 1

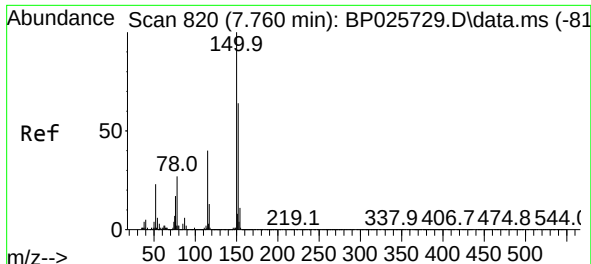
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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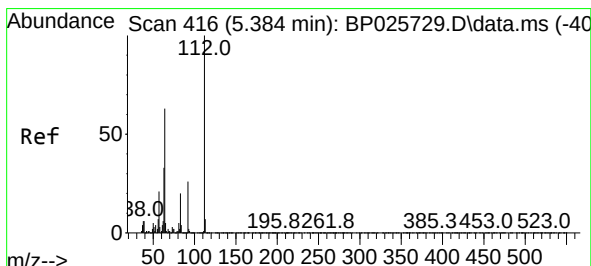
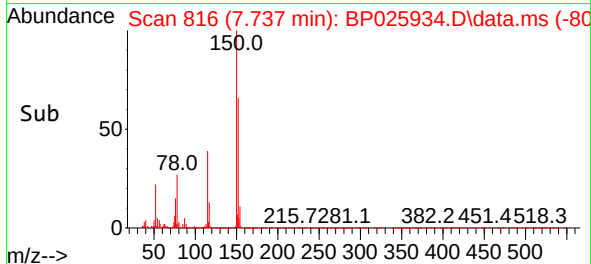
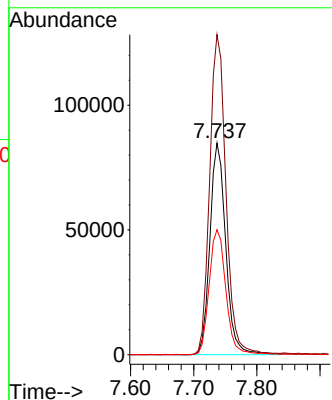
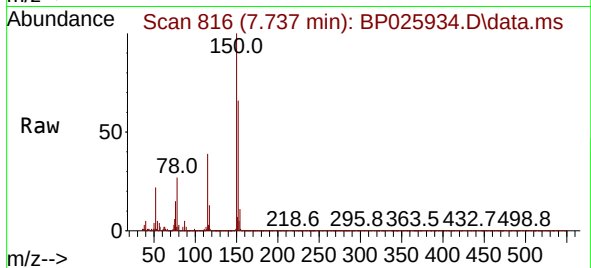




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.737 min Scan# 81
 Delta R.T. -0.023 min
 Lab File: BP025934.D
 Acq: 06 Oct 2025 22:29

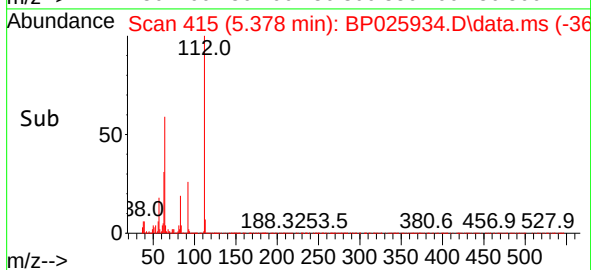
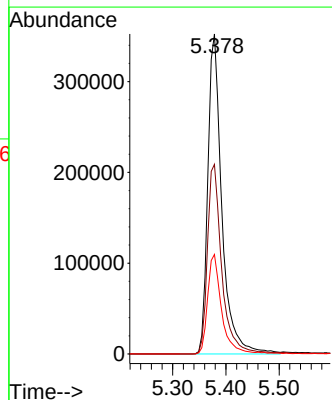
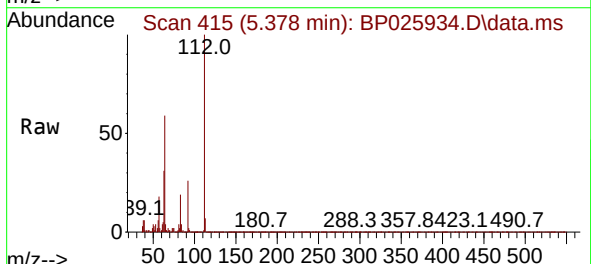
Instrument :
 BNA_P
 ClientSampleId :
 72-11966

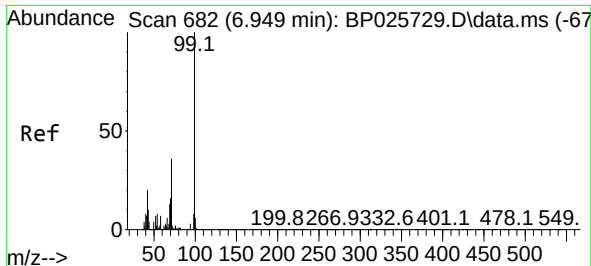
Tgt Ion:152 Resp: 147889
 Ion Ratio Lower Upper
 152 100
 150 151.3 124.3 186.5
 115 59.1 50.3 75.5



#5
 2-Fluorophenol
 Concen: 70.355 ng
 RT: 5.378 min Scan# 415
 Delta R.T. -0.006 min
 Lab File: BP025934.D
 Acq: 06 Oct 2025 22:29

Tgt Ion:112 Resp: 644832
 Ion Ratio Lower Upper
 112 100
 64 59.3 50.2 75.4
 63 31.1 26.7 40.1

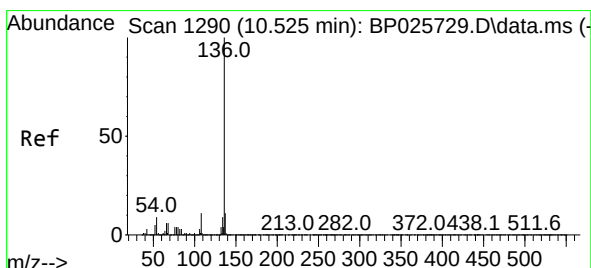
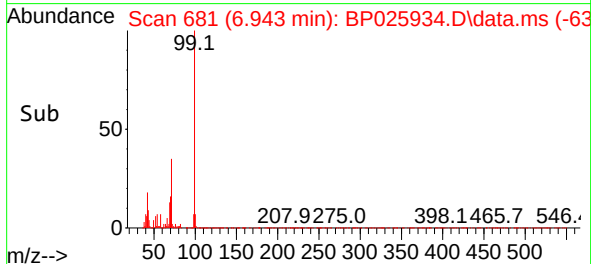
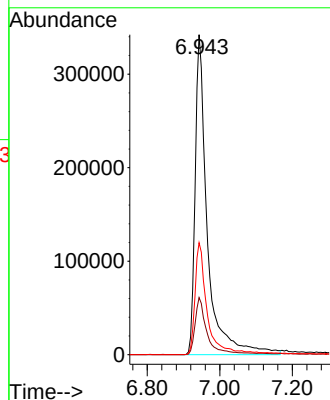
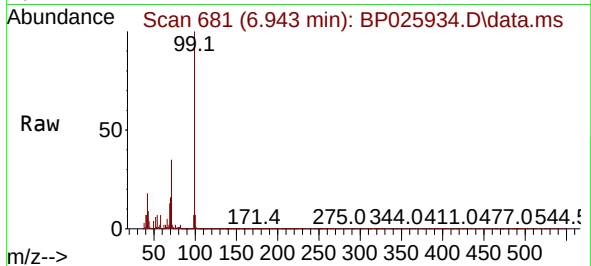




#7
Phenol-d6
Concen: 65.939 ng
RT: 6.943 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025934.D
Acq: 06 Oct 2025 22:29

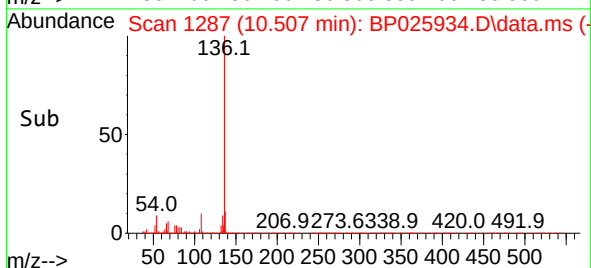
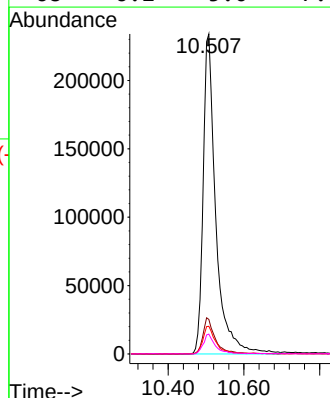
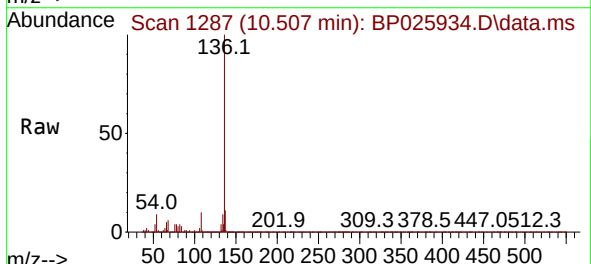
Instrument :
BNA_P
ClientSampleId :
72-11966

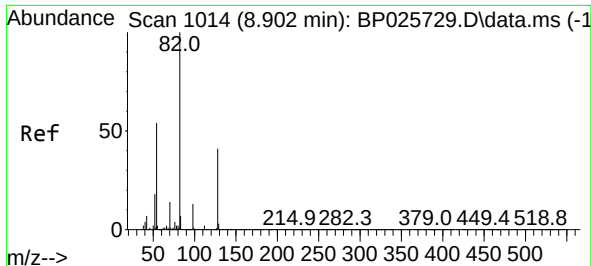
Tgt Ion: 99 Resp: 803301
Ion Ratio Lower Upper
99 100
42 17.9 15.6 23.4
71 35.0 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.507 min Scan# 1287
Delta R.T. -0.018 min
Lab File: BP025934.D
Acq: 06 Oct 2025 22:29

Tgt Ion: 136 Resp: 543737
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 8.6 7.5 11.3
68 6.2 5.0 7.6

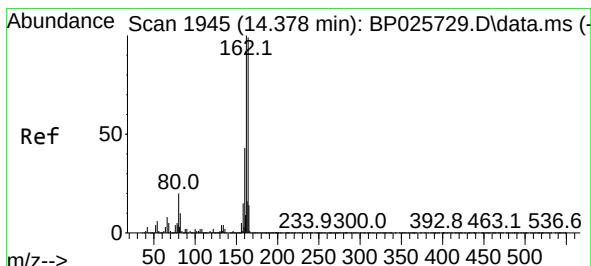
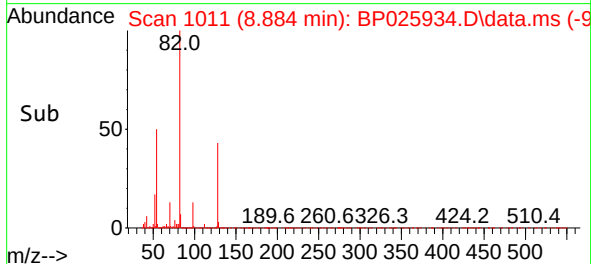
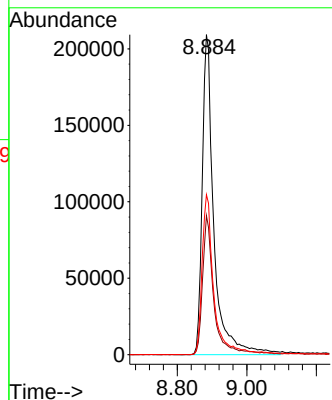
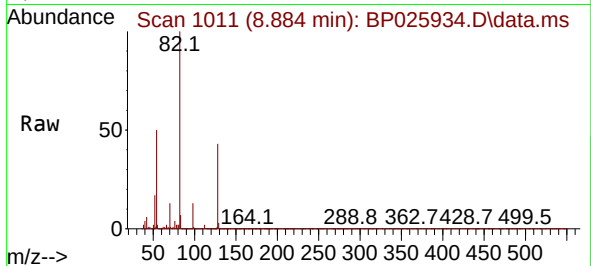




#23
Nitrobenzene-d5
Concen: 39.543 ng
RT: 8.884 min Scan# 1011
Delta R.T. -0.018 min
Lab File: BP025934.D
Acq: 06 Oct 2025 22:29

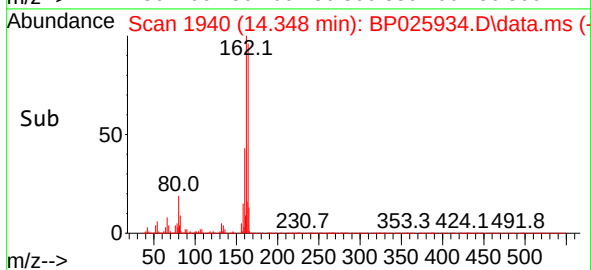
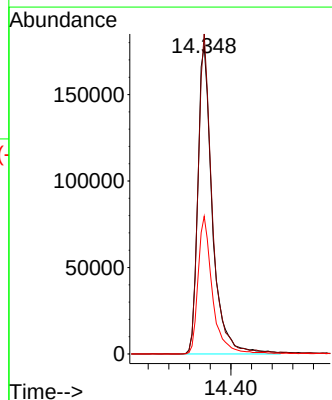
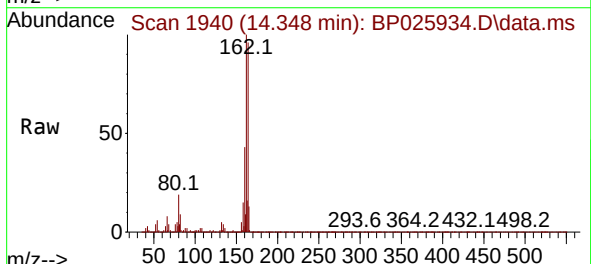
Instrument :
BNA_P
ClientSampleId :
72-11966

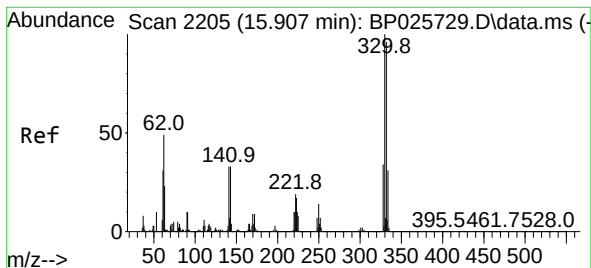
Tgt Ion: 82 Resp: 487433
Ion Ratio Lower Upper
82 100
128 43.4 32.9 49.3
54 50.0 43.4 65.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.348 min Scan# 1940
Delta R.T. -0.029 min
Lab File: BP025934.D
Acq: 06 Oct 2025 22:29

Tgt Ion:164 Resp: 347966
Ion Ratio Lower Upper
164 100
162 104.1 80.6 120.8
160 44.8 35.0 52.6





#42

2,4,6-Tribromophenol

Concen: 65.533 ng

RT: 15.878 min Scan# 21

Delta R.T. -0.029 min

Lab File: BP025934.D

Acq: 06 Oct 2025 22:29

Instrument :

BNA_P

ClientSampleId :

72-11966

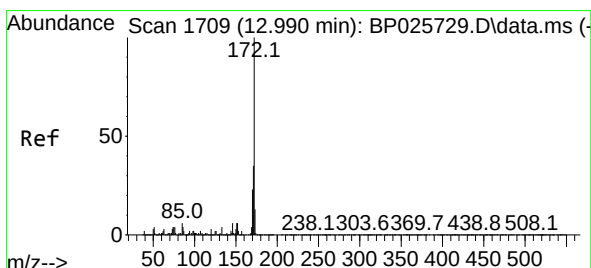
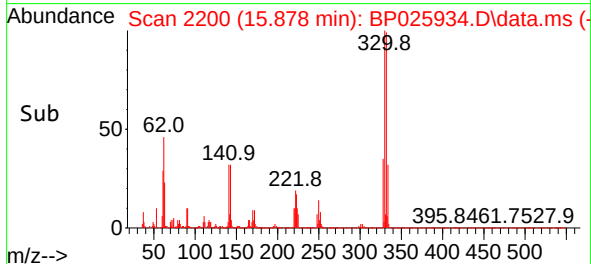
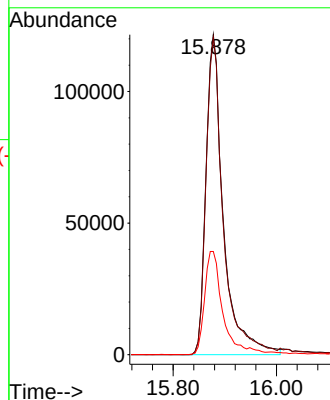
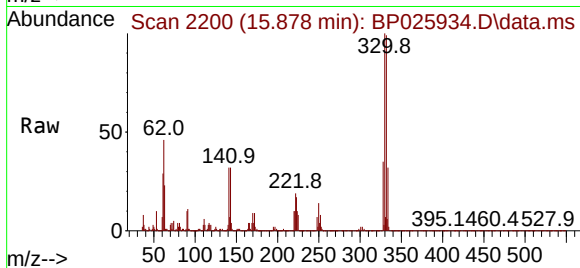
Tgt Ion:330 Resp: 284424

Ion Ratio Lower Upper

330 100

332 97.9 76.9 115.3

141 33.8 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 37.157 ng

RT: 12.960 min Scan# 1704

Delta R.T. -0.029 min

Lab File: BP025934.D

Acq: 06 Oct 2025 22:29

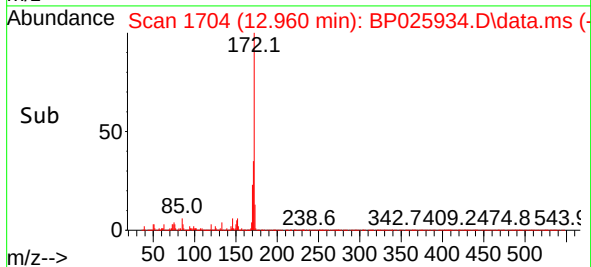
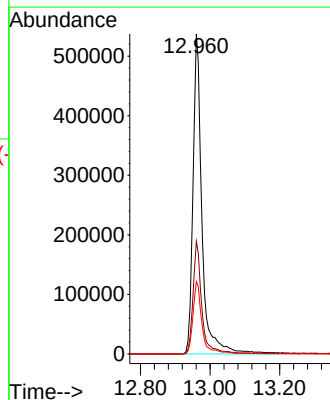
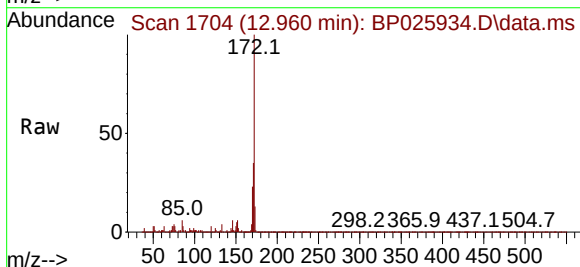
Tgt Ion:172 Resp: 971036

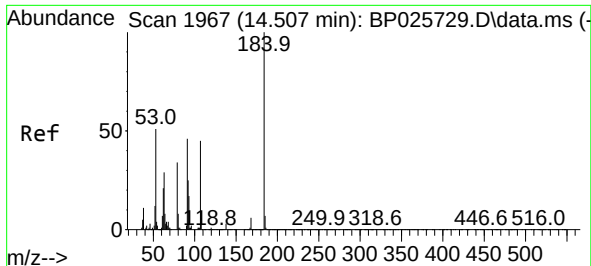
Ion Ratio Lower Upper

172 100

171 35.2 27.8 41.6

170 22.6 18.6 27.8

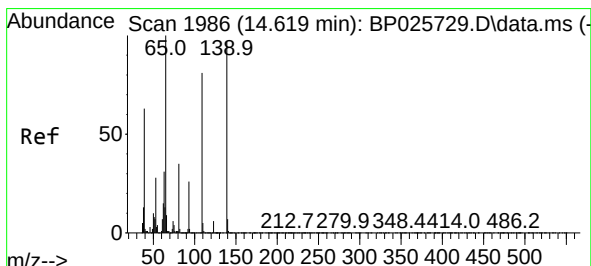
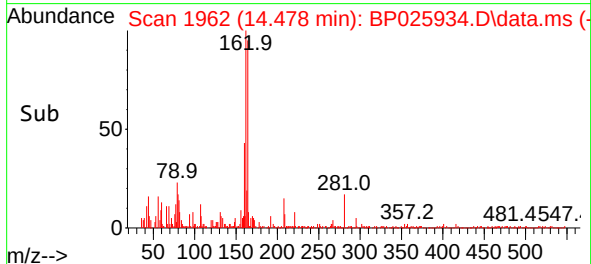
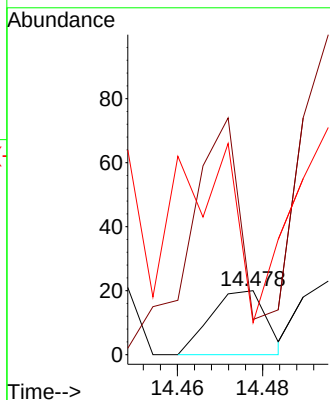
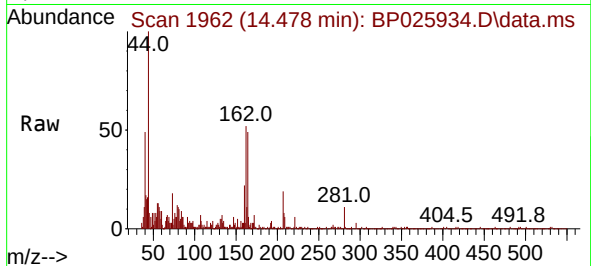




#54
2,4-Dinitrophenol
Concen: 4.829 ng
RT: 14.478 min Scan# 1962
Delta R.T. -0.029 min
Lab File: BP025934.D
Acq: 06 Oct 2025 22:29

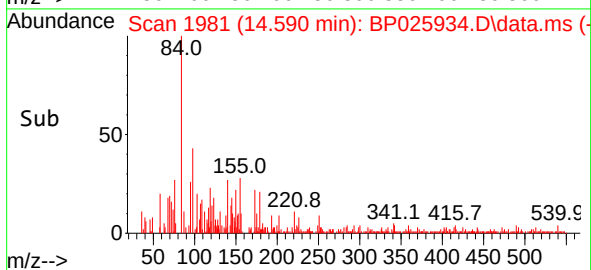
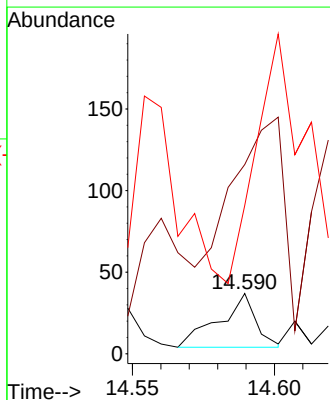
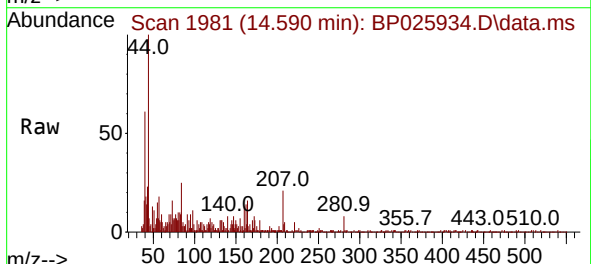
Instrument :
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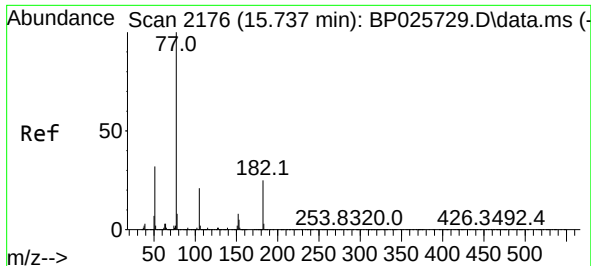
Tgt Ion:184 Resp: 18
Ion Ratio Lower Upper
184 100
63 55.0 52.5 78.7
154 175.0 51.5 77.3#



#56
4-Nitrophenol
Concen: 4.488 ng
RT: 14.590 min Scan# 1981
Delta R.T. -0.029 min
Lab File: BP025934.D
Acq: 06 Oct 2025 22:29

Tgt Ion:139 Resp: 30
Ion Ratio Lower Upper
139 100
109 313.5 62.9 102.9#
65 245.9 83.4 123.4#

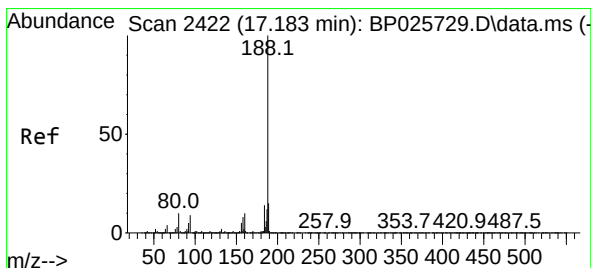
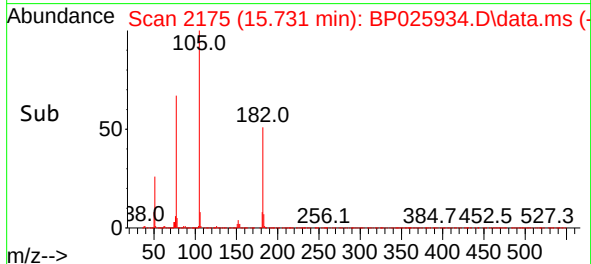
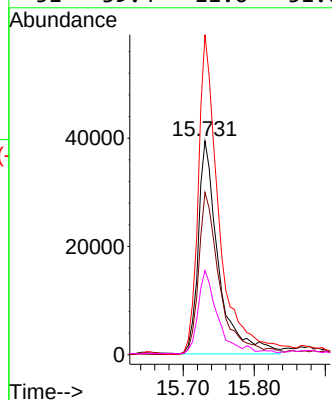
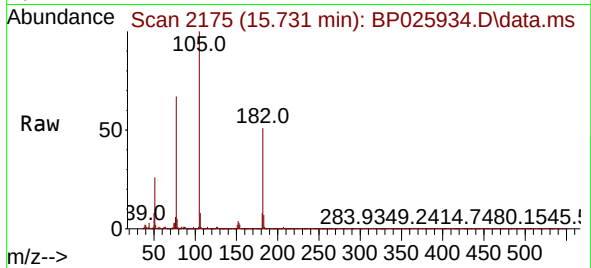




#63
Azobenzene
Concen: 2.989 ng
RT: 15.731 min Scan# 2176
Delta R.T. -0.006 min
Lab File: BP025934.D
Acq: 06 Oct 2025 22:29

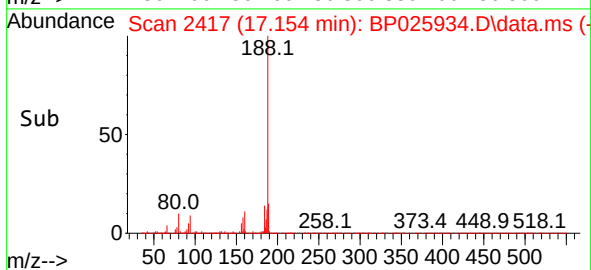
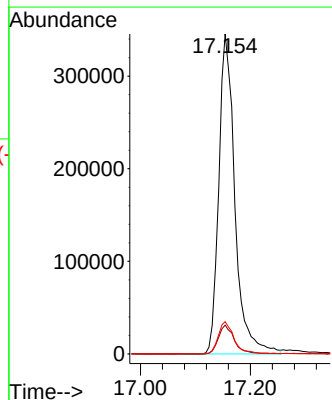
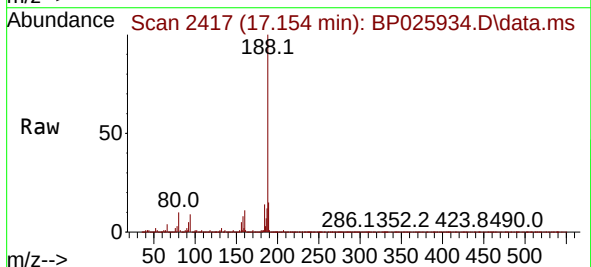
Instrument :
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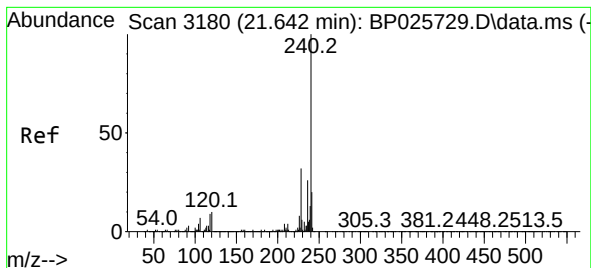
Tgt Ion: 77	Resp: 77881
Ion Ratio	Lower Upper
77 100	
182 75.9	5.2 45.2#
105 149.8	1.1 41.1#
51 39.4	11.6 51.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.154 min Scan# 2417
Delta R.T. -0.029 min
Lab File: BP025934.D
Acq: 06 Oct 2025 22:29

Tgt Ion: 188	Resp: 703361
Ion Ratio	Lower Upper
188 100	
94 9.0	7.4 11.0
80 10.1	7.7 11.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.595 min Scan# 31

Delta R.T. -0.047 min

Lab File: BP025934.D

Acq: 06 Oct 2025 22:29

Instrument :

BNA_P

ClientSampleId :

72-11966

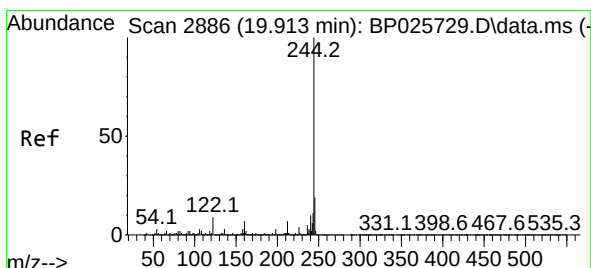
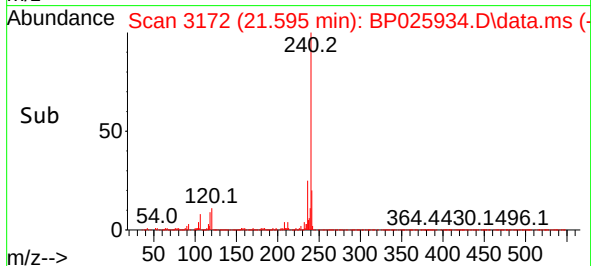
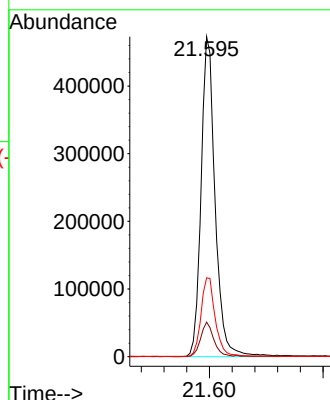
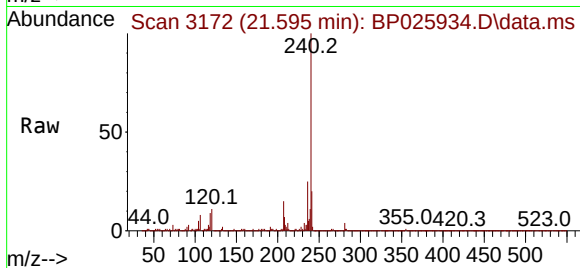
Tgt Ion:240 Resp: 810779

Ion Ratio Lower Upper

240 100

120 10.8 8.0 12.0

236 24.6 20.7 31.1



#79

Terphenyl-d14

Concen: 42.085 ng

RT: 19.866 min Scan# 2878

Delta R.T. -0.047 min

Lab File: BP025934.D

Acq: 06 Oct 2025 22:29

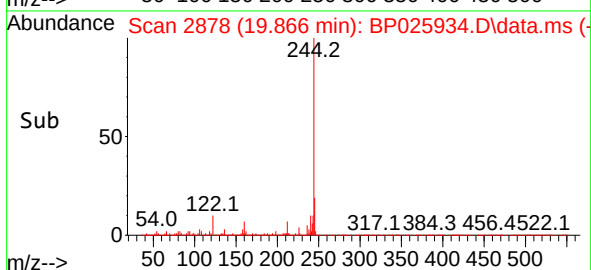
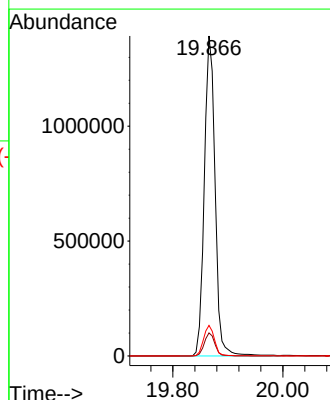
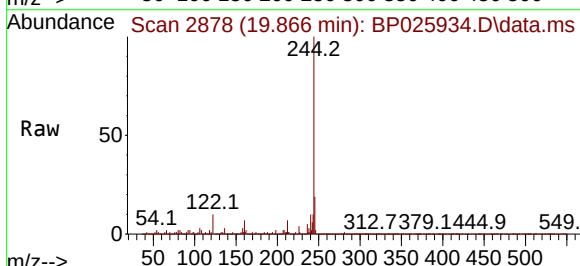
Tgt Ion:244 Resp: 1896707

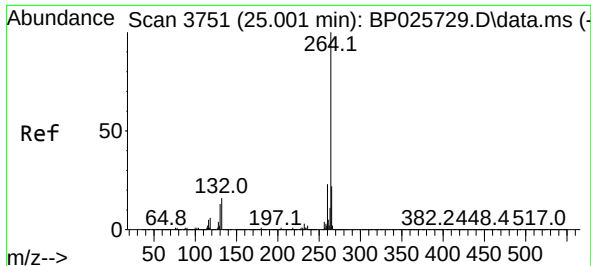
Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

122 9.5 7.1 10.7





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.948 min Scan# 31
 Delta R.T. -0.053 min
 Lab File: BP025934.D
 Acq: 06 Oct 2025 22:29

Instrument :
 BNA_P
 ClientSampleId :
 72-11966

Tgt Ion:264 Resp: 924770
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.3 27.5
 265 22.7 17.3 25.9

