

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092925\
 Data File : BP025876.D
 Acq On : 29 Sep 2025 11:32
 Operator : CG/JU
 Sample : PB169840TB
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB169840TB

Quant Time: Sep 29 12:07:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 11 16:45:04 2025
 Response via : Initial Calibration

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

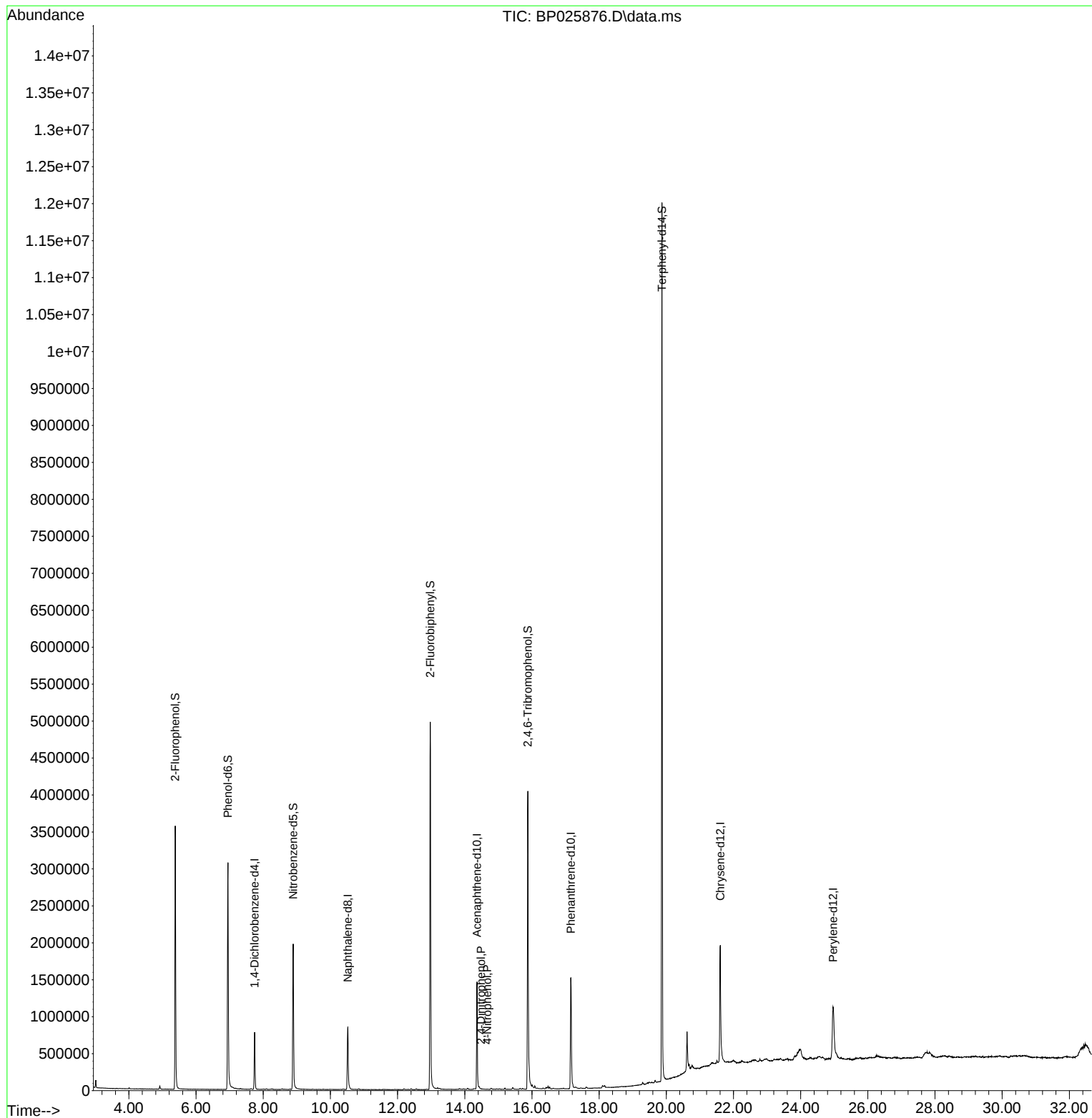
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.743	152	218795	20.000	ng	-0.02
21) Naphthalene-d8	10.519	136	860397	20.000	ng	0.00
39) Acenaphthene-d10	14.366	164	587654	20.000	ng	-0.01
64) Phenanthrene-d10	17.160	188	1277546	20.000	ng	-0.02
76) Chrysene-d12	21.607	240	1290552	20.000	ng	-0.04
86) Perylene-d12	24.966	264	1166606	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.378	112	1706834	125.874	ng	0.00
7) Phenol-d6	6.949	99	2079210	115.361	ng	0.00
23) Nitrobenzene-d5	8.890	82	1309395	67.130	ng	-0.01
42) 2,4,6-Tribromophenol	15.878	330	1058476	144.407	ng	-0.03
45) 2-Fluorobiphenyl	12.972	172	3186042	72.189	ng	-0.02
79) Terphenyl-d14	19.872	244	6003859	83.692	ng	-0.04
Target Compounds						
54) 2,4-Dinitrophenol	14.484	184	12	4.826	ng	# 1
56) 4-Nitrophenol	14.666	139	237	4.508	ng	# 24

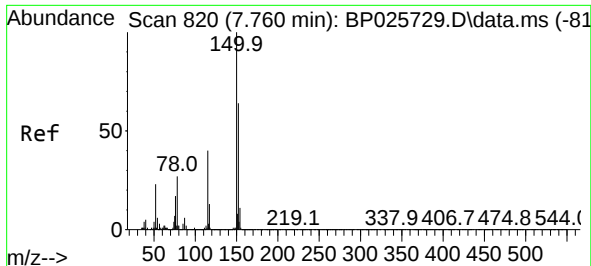
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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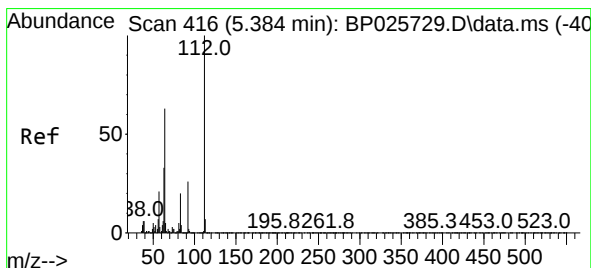
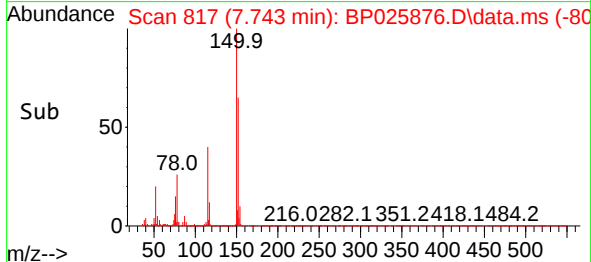
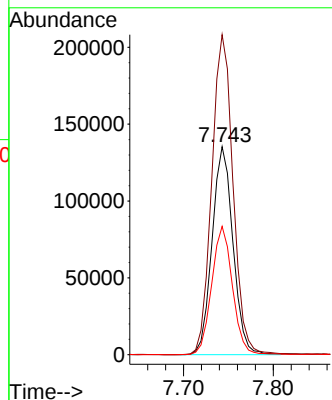
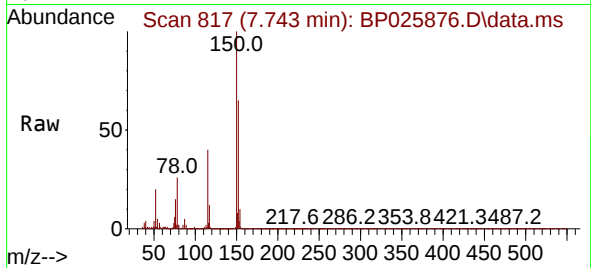




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.743 min Scan# 81
Delta R.T. -0.017 min
Lab File: BP025876.D
Acq: 29 Sep 2025 11:32

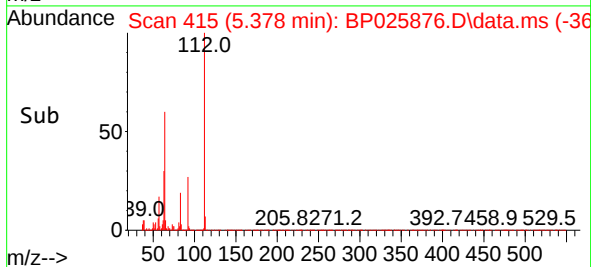
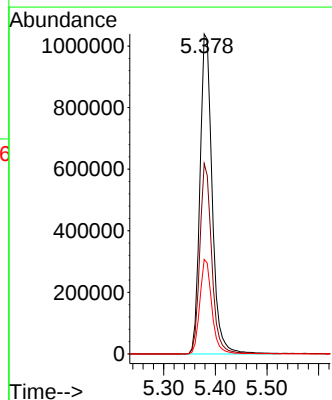
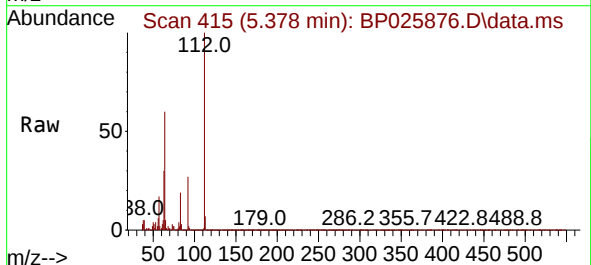
Instrument :
BNA_P
ClientSampleId :
PB169840TB

Tgt Ion:152 Resp: 218795
Ion Ratio Lower Upper
152 100
150 153.9 124.3 186.5
115 61.7 50.3 75.5



#5
2-Fluorophenol
Concen: 125.874 ng
RT: 5.378 min Scan# 415
Delta R.T. -0.006 min
Lab File: BP025876.D
Acq: 29 Sep 2025 11:32

Tgt Ion:112 Resp: 1706834
Ion Ratio Lower Upper
112 100
64 59.5 50.2 75.4
63 29.6 26.7 40.1

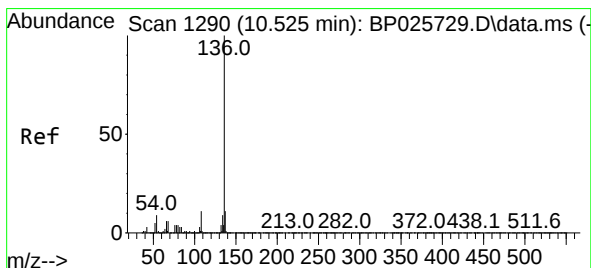
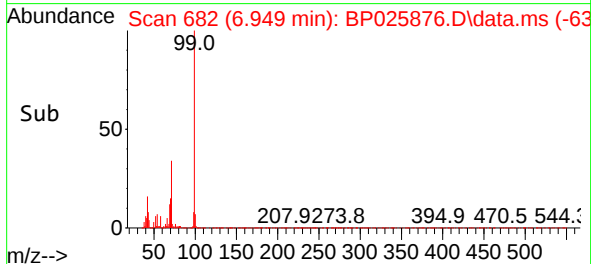
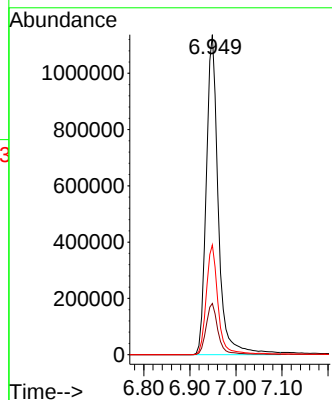
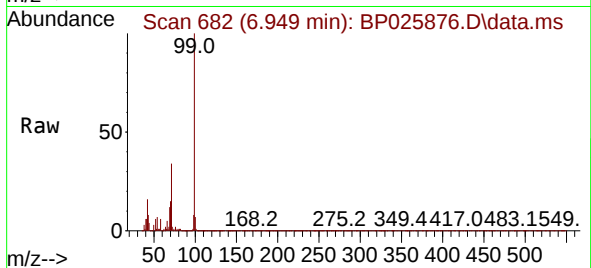




#7
Phenol-d6
Concen: 115.361 ng
RT: 6.949 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP025876.D
Acq: 29 Sep 2025 11:32

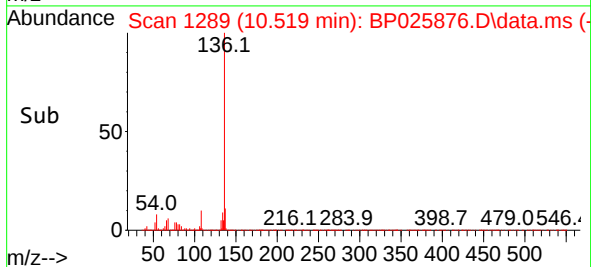
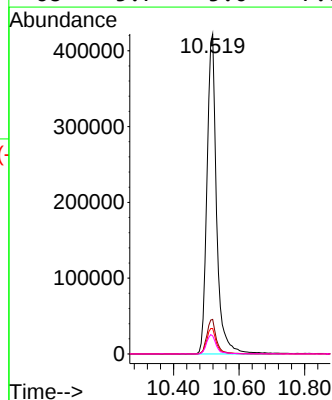
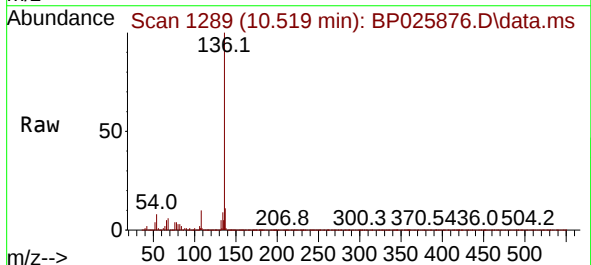
Instrument :
BNA_P
ClientSampleId :
PB169840TB

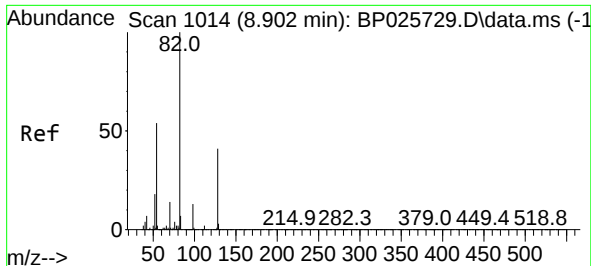
Tgt Ion: 99 Resp: 2079210
Ion Ratio Lower Upper
99 100
42 16.0 15.6 23.4
71 34.3 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.519 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BP025876.D
Acq: 29 Sep 2025 11:32

Tgt Ion:136 Resp: 860397
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 8.0 7.5 11.3
68 5.7 5.0 7.6





#23

Nitrobenzene-d5

Concen: 67.130 ng

RT: 8.890 min Scan# 1014

Delta R.T. -0.012 min

Lab File: BP025876.D

Acq: 29 Sep 2025 11:32

Instrument :

BNA_P

ClientSampleId :

PB169840TB

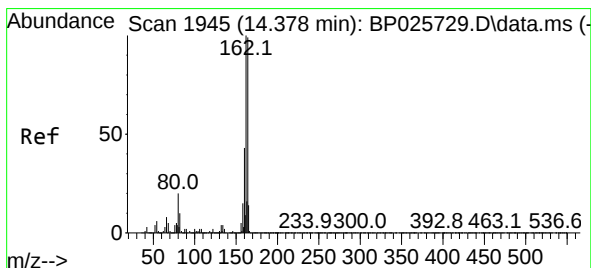
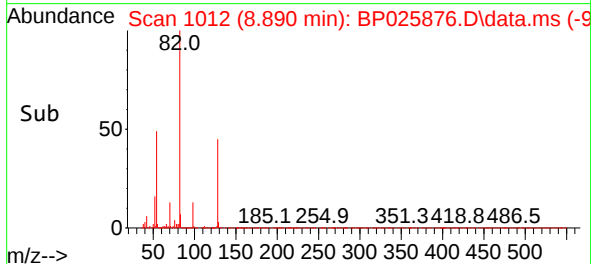
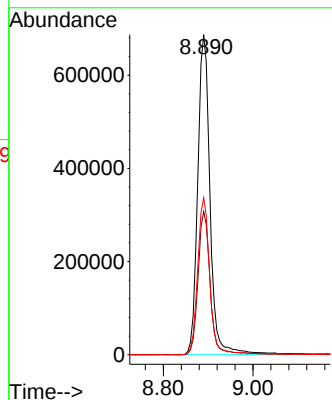
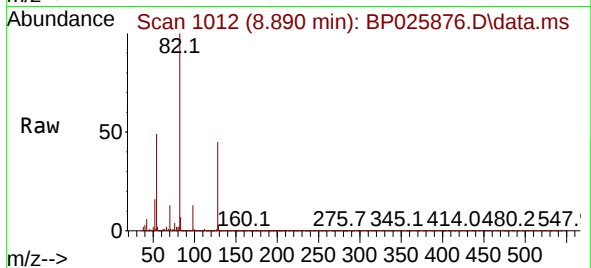
Tgt Ion: 82 Resp: 1309395

Ion Ratio Lower Upper

82 100

128 44.7 32.9 49.3

54 49.0 43.4 65.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.366 min Scan# 1943

Delta R.T. -0.012 min

Lab File: BP025876.D

Acq: 29 Sep 2025 11:32

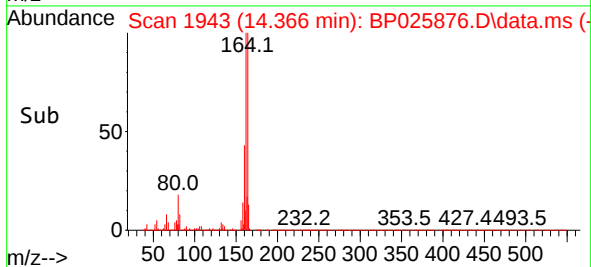
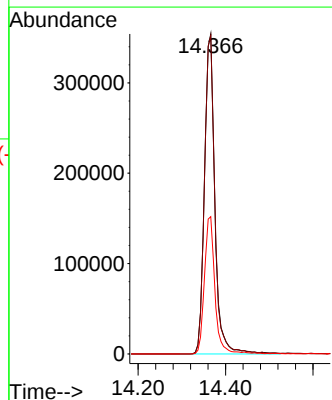
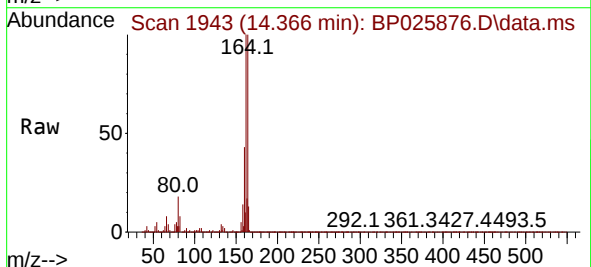
Tgt Ion: 164 Resp: 587654

Ion Ratio Lower Upper

164 100

162 99.6 80.6 120.8

160 42.9 35.0 52.6





#42

2,4,6-Tribromophenol

Concen: 144.407 ng

RT: 15.878 min Scan# 21

Delta R.T. -0.029 min

Lab File: BP025876.D

Acq: 29 Sep 2025 11:32

Instrument :

BNA_P

ClientSampleId :

PB169840TB

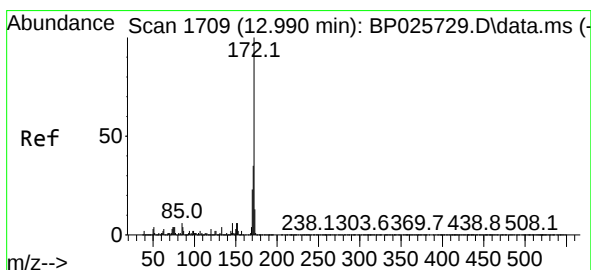
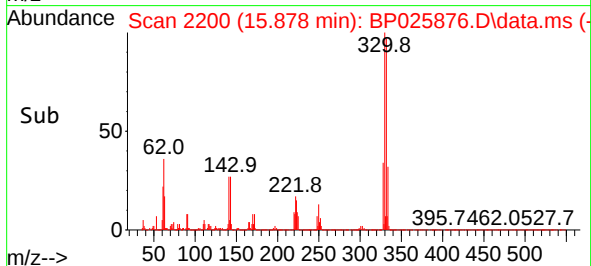
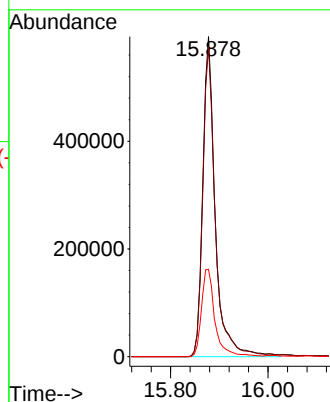
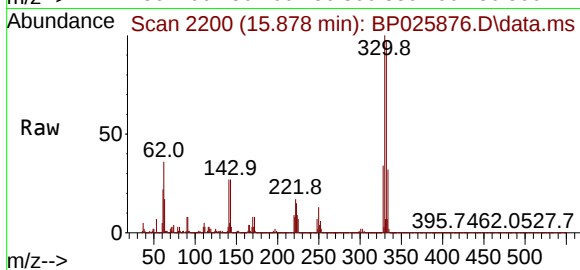
Tgt Ion:330 Resp: 1058476

Ion Ratio Lower Upper

330 100

332 96.4 76.9 115.3

141 29.5 31.0 46.4#



#45

2-Fluorobiphenyl

Concen: 72.189 ng

RT: 12.972 min Scan# 1706

Delta R.T. -0.018 min

Lab File: BP025876.D

Acq: 29 Sep 2025 11:32

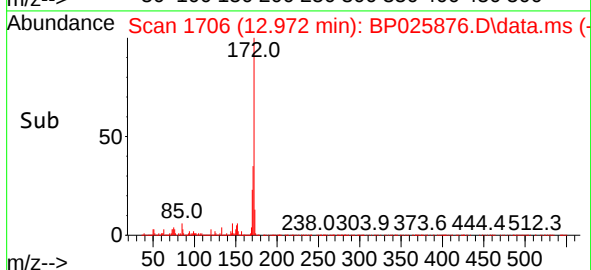
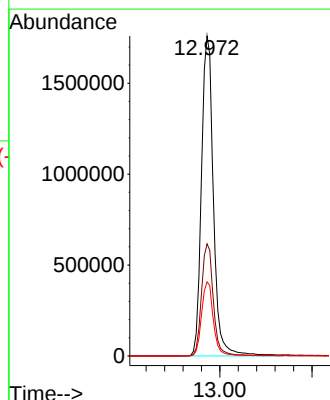
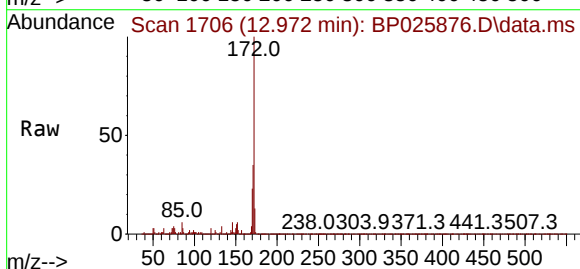
Tgt Ion:172 Resp: 3186042

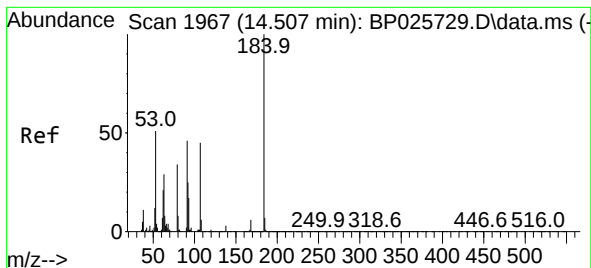
Ion Ratio Lower Upper

172 100

171 35.1 27.8 41.6

170 23.2 18.6 27.8

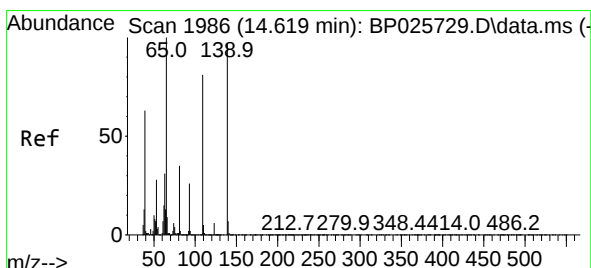
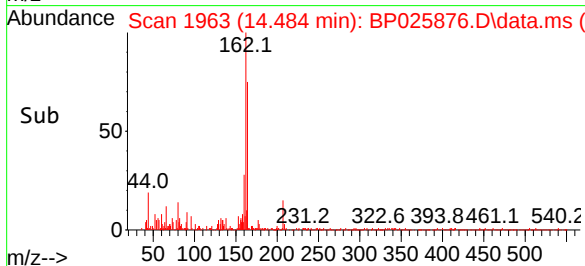
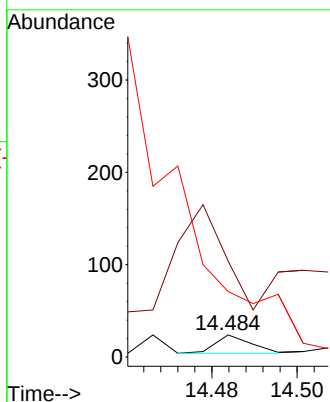
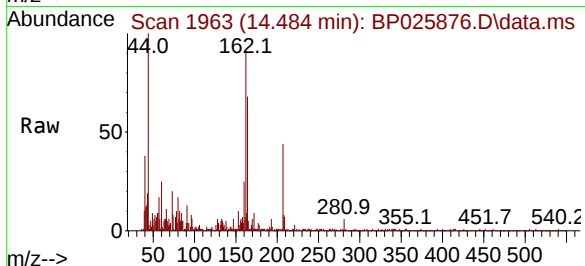




#54
2,4-Dinitrophenol
Concen: 4.826 ng
RT: 14.484 min Scan# 1963
Delta R.T. -0.023 min
Lab File: BP025876.D
Acq: 29 Sep 2025 11:32

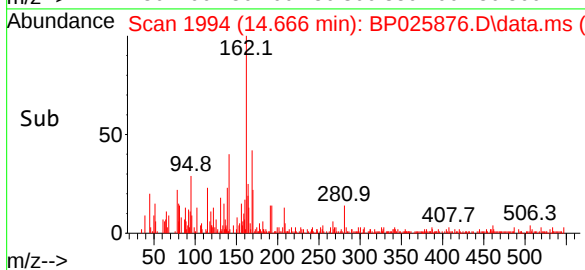
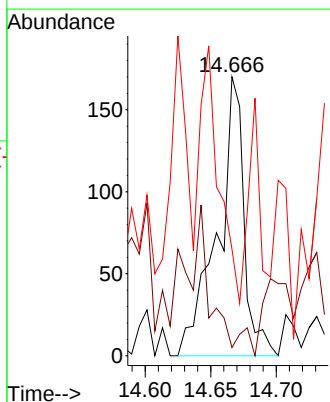
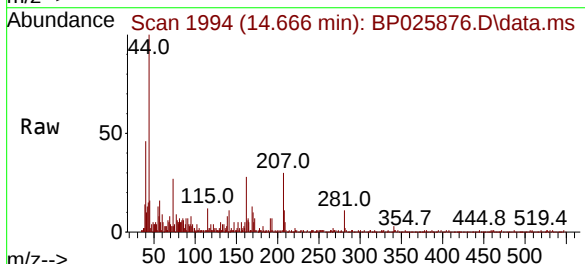
Instrument :
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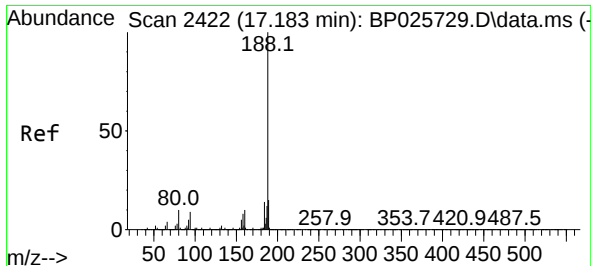
Tgt Ion:184 Resp: 12
Ion Ratio Lower Upper
184 100
63 433.3 52.5 78.7#
154 350.0 51.5 77.3#



#56
4-Nitrophenol
Concen: 4.508 ng
RT: 14.666 min Scan# 1994
Delta R.T. 0.047 min
Lab File: BP025876.D
Acq: 29 Sep 2025 11:32

Tgt Ion:139 Resp: 237
Ion Ratio Lower Upper
139 100
109 2.9 62.9 102.9#
65 37.4 83.4 123.4#

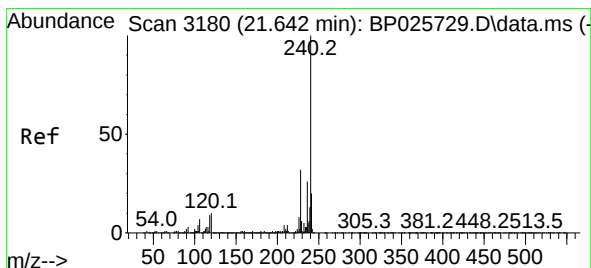
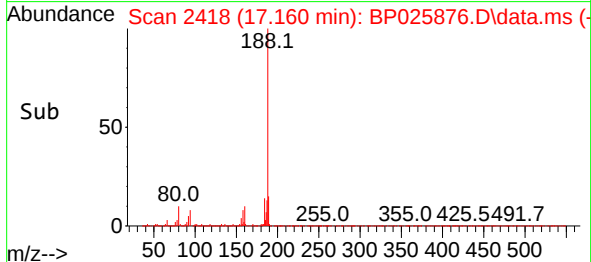
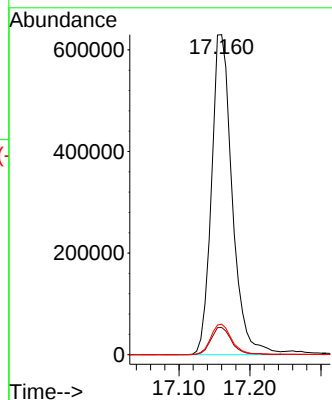
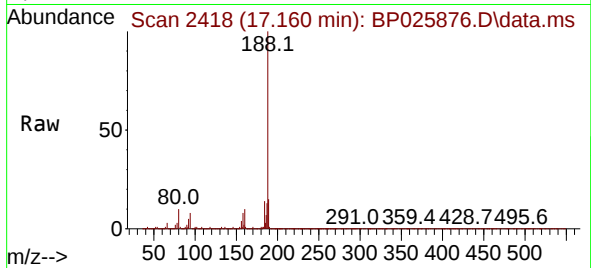




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.160 min Scan# 2422
Delta R.T. -0.023 min
Lab File: BP025876.D
Acq: 29 Sep 2025 11:32

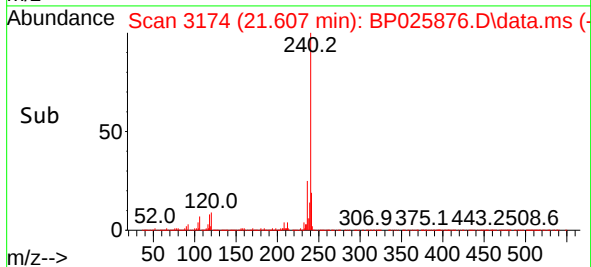
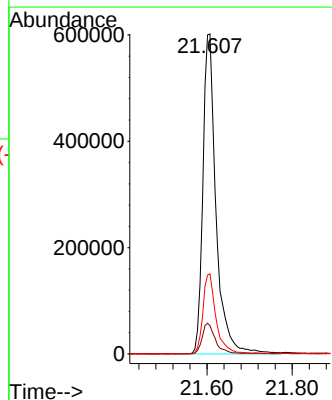
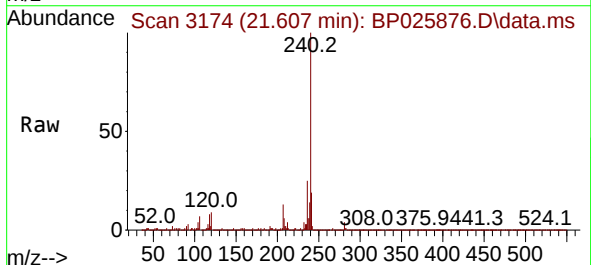
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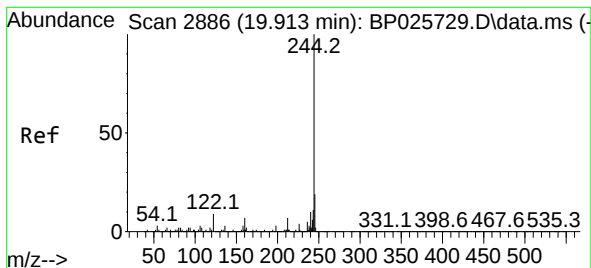
Tgt Ion:188 Resp: 1277546
Ion Ratio Lower Upper
188 100
94 8.5 7.4 11.0
80 9.6 7.7 11.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.607 min Scan# 3174
Delta R.T. -0.035 min
Lab File: BP025876.D
Acq: 29 Sep 2025 11:32

Tgt Ion:240 Resp: 1290552
Ion Ratio Lower Upper
240 100
120 8.8 8.0 12.0
236 25.1 20.7 31.1





#79

Terphenyl-d14

Concen: 83.692 ng

RT: 19.872 min Scan# 21

Delta R.T. -0.041 min

Lab File: BP025876.D

Acq: 29 Sep 2025 11:32

Instrument :

BNA_P

ClientSampleId :

PB169840TB

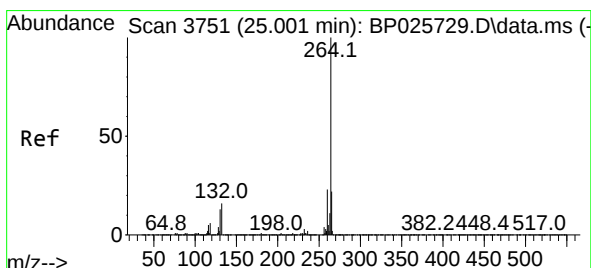
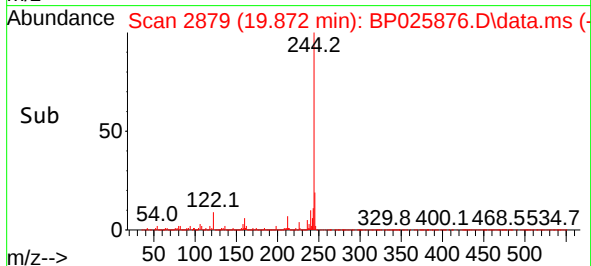
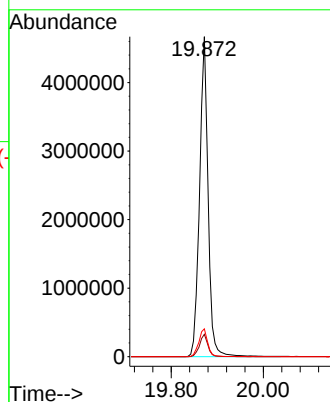
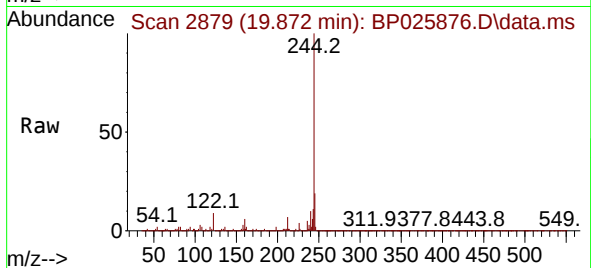
Tgt Ion:244 Resp: 6003859

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

122 8.7 7.1 10.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.966 min Scan# 3745

Delta R.T. -0.035 min

Lab File: BP025876.D

Acq: 29 Sep 2025 11:32

Tgt Ion:264 Resp: 1166606

Ion Ratio Lower Upper

264 100

260 21.9 18.3 27.5

265 21.4 17.3 25.9

