

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
 Data File : BP025382.D
 Acq On : 13 Aug 2025 13:22
 Operator : CG/JU
 Sample : Q2820-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 518R-N

Quant Time: Aug 13 13:59:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 06 06:41:44 2025
 Response via : Initial Calibration

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

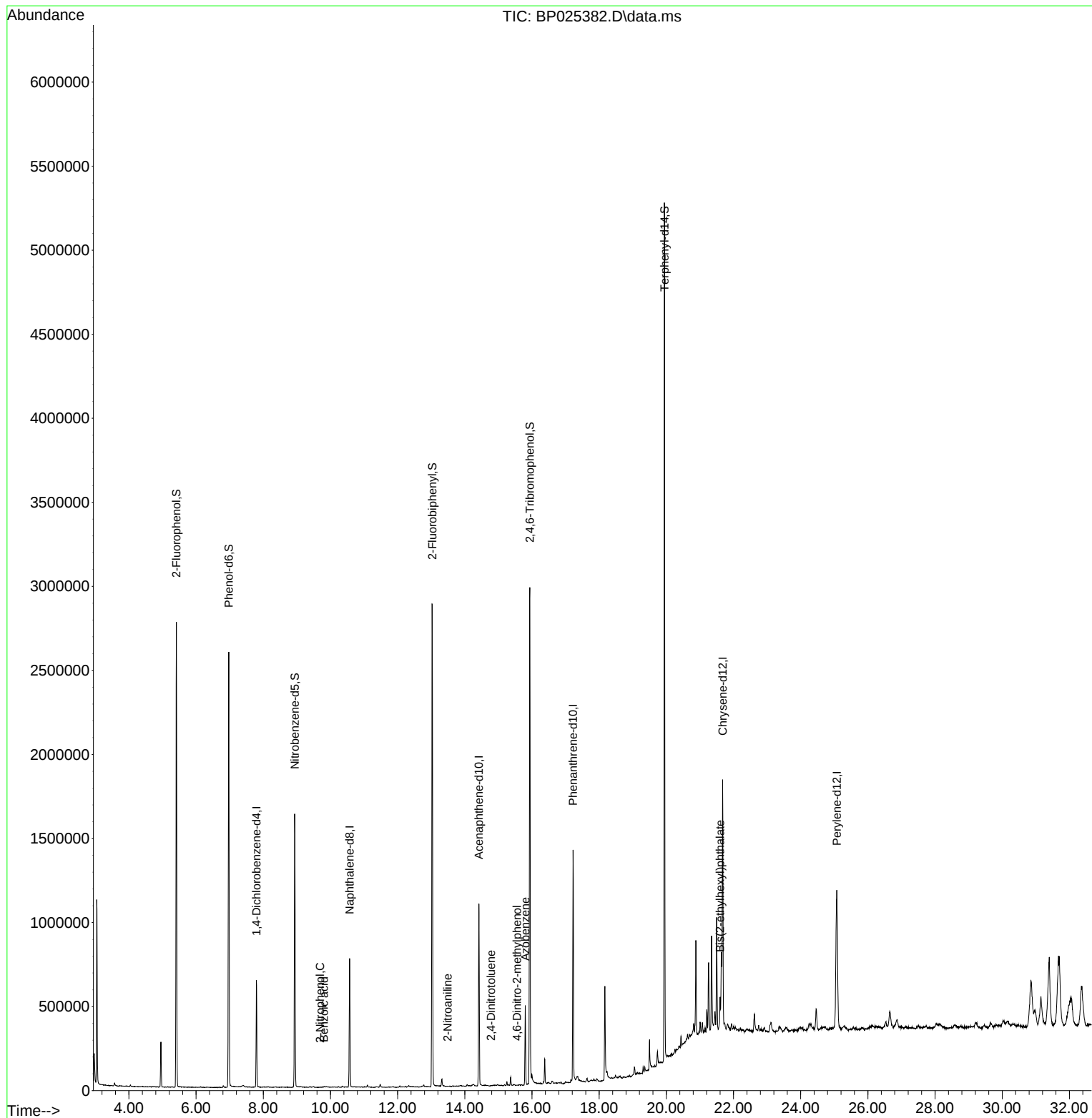
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.795	152	168818	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	653673	20.000	ng	0.00
39) Acenaphthene-d10	14.419	164	420600	20.000	ng	0.00
64) Phenanthrene-d10	17.224	188	846121	20.000	ng	0.00
76) Chrysene-d12	21.677	240	902500	20.000	ng	0.02
86) Perylene-d12	25.077	264	1039991	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.413	112	1211605	115.432	ng	0.00
7) Phenol-d6	6.972	99	1527383	110.569	ng	0.00
23) Nitrobenzene-d5	8.937	82	924647	78.367	ng	0.00
42) 2,4,6-Tribromophenol	15.936	330	637591	151.953	ng	0.01
45) 2-Fluorobiphenyl	13.031	172	1705613	56.011	ng	0.00
79) Terphenyl-d14	19.948	244	2656673	55.600	ng	0.00
Target Compounds						
						Qvalue
26) 2-Nitrophenol	9.690	139	122	3.661	ng	# 74
32) Benzoic acid	9.807	122	1987	6.322	ng	96
48) 2-Nitroaniline	13.489	65	287	3.003	ng	# 56
57) 2,4-Dinitrotoluene	14.777	165	1311	3.394	ng	# 73
63) Azobenzene	15.801	77	133366	4.644	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.554	198	208	4.901	ng	# 1
84) Bis(2-ethylhexyl)phtha...	21.601	149	83712	2.154	ng	100

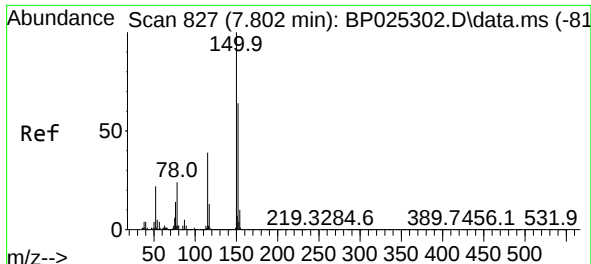
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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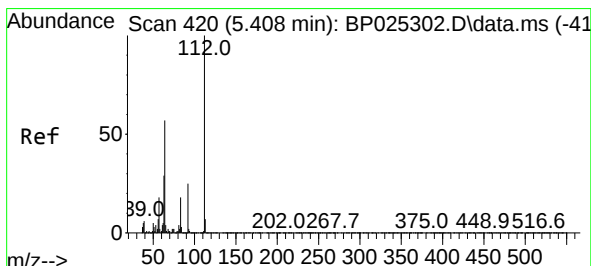
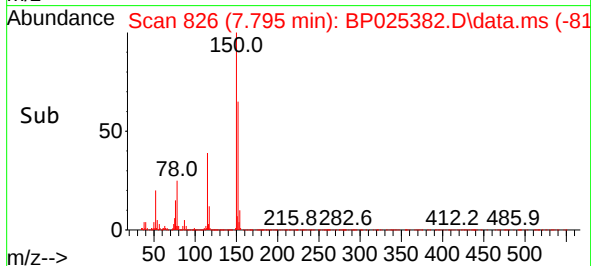
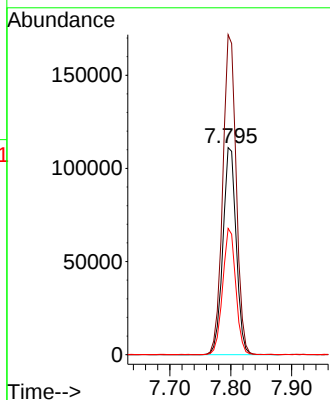
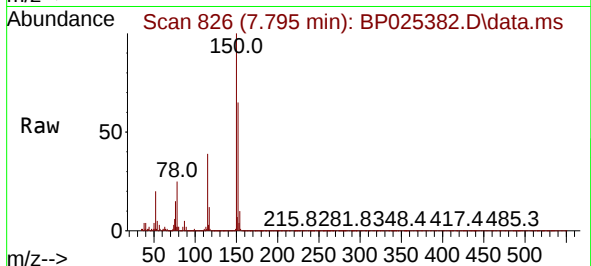




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.795 min Scan# 81
Delta R.T. -0.007 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

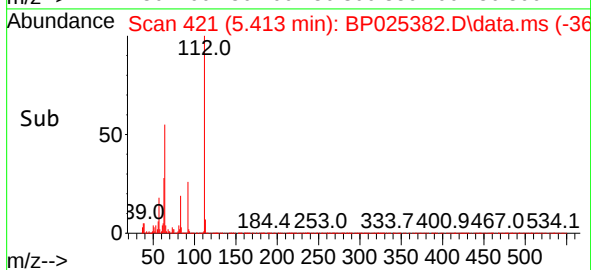
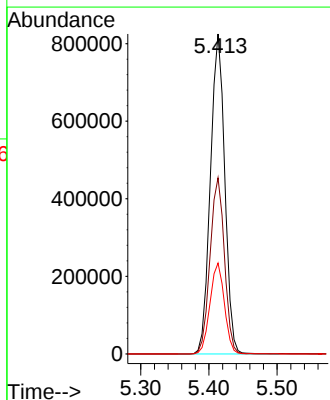
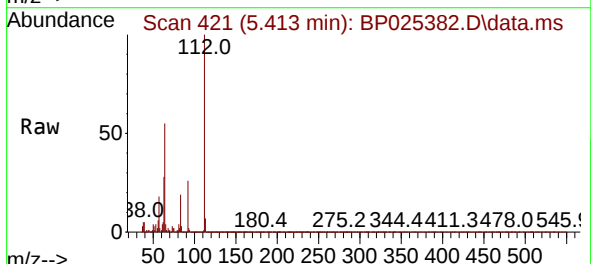
Instrument :
BNA_P
ClientSampleId :
518R-N

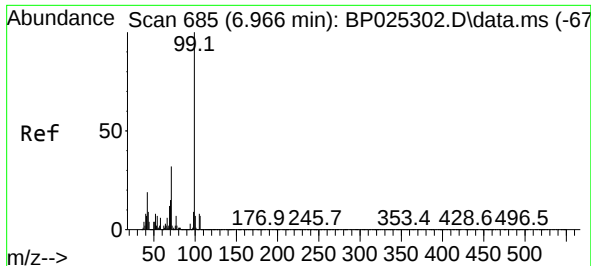
Tgt Ion:152 Resp: 168818
Ion Ratio Lower Upper
152 100
150 154.6 125.1 187.7
115 61.0 48.4 72.6



#5
2-Fluorophenol
Concen: 115.432 ng
RT: 5.413 min Scan# 421
Delta R.T. 0.005 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Tgt Ion:112 Resp: 1211605
Ion Ratio Lower Upper
112 100
64 55.1 45.3 67.9
63 28.4 23.0 34.6

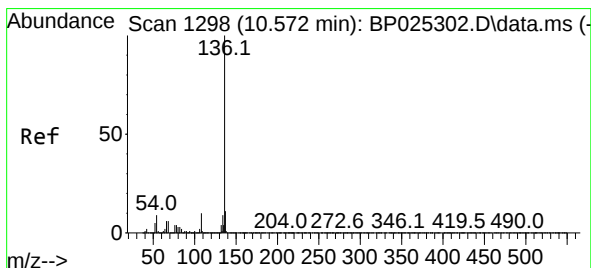
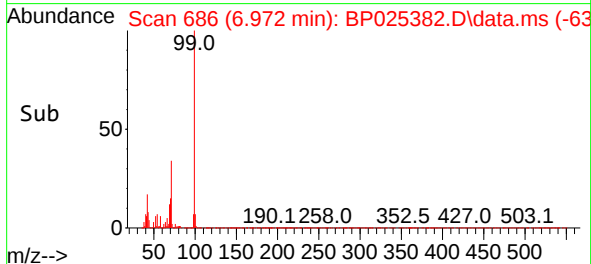
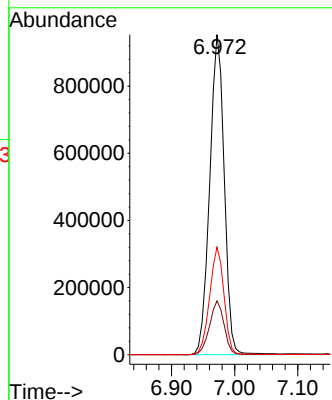
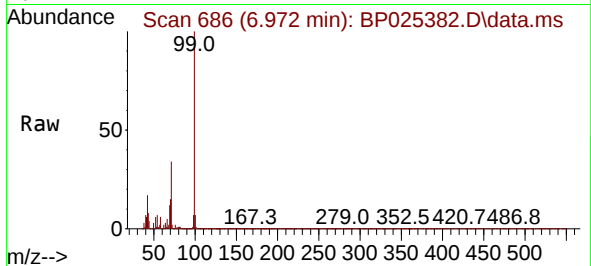




#7
Phenol-d6
Concen: 110.569 ng
RT: 6.972 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

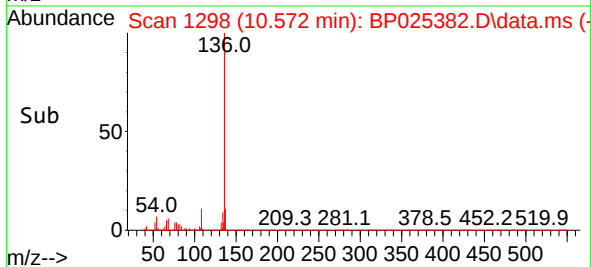
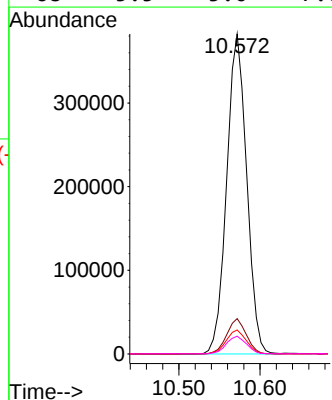
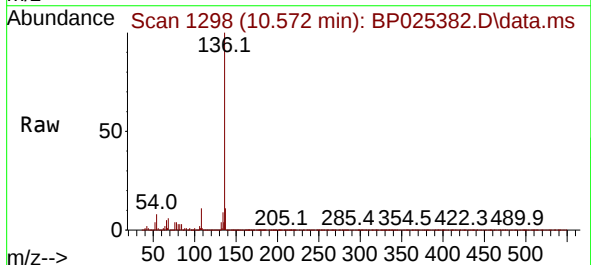
Instrument :
BNA_P
ClientSampleId :
518R-N

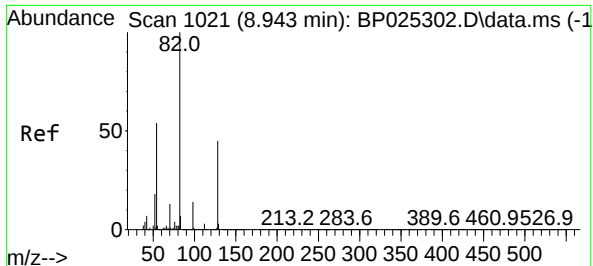
Tgt Ion: 99 Resp: 1527383
Ion Ratio Lower Upper
99 100
42 16.8 15.0 22.6
71 33.6 25.5 38.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1298
Delta R.T. -0.000 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Tgt Ion: 136 Resp: 653673
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.5 7.0 10.6
68 5.5 5.0 7.6

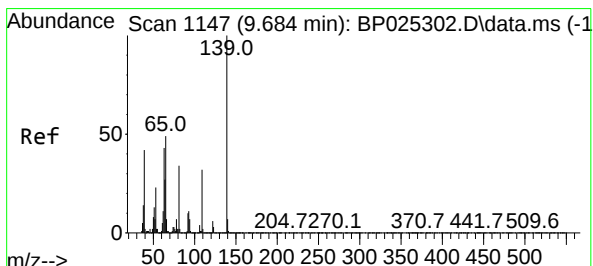
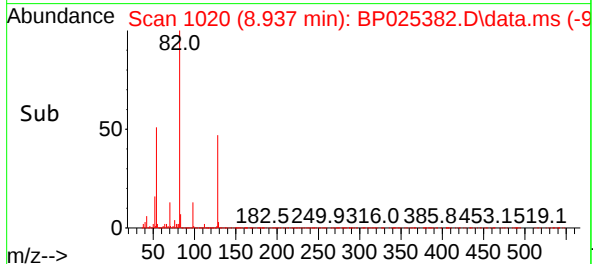
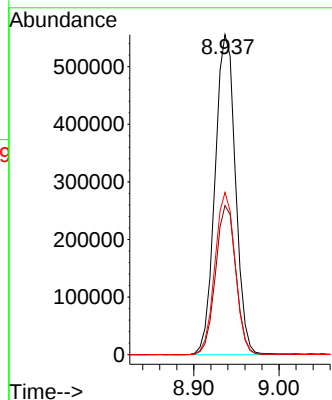
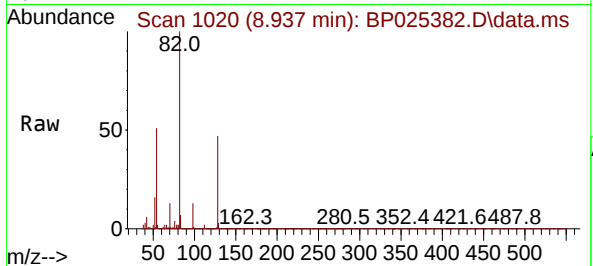




#23
Nitrobenzene-d5
Concen: 78.367 ng
RT: 8.937 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

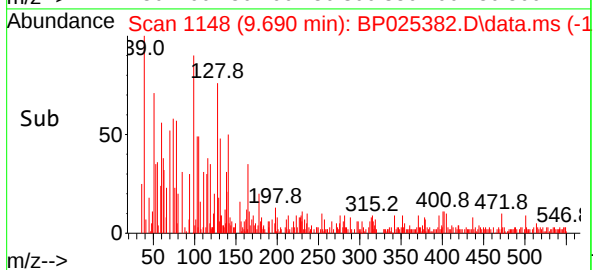
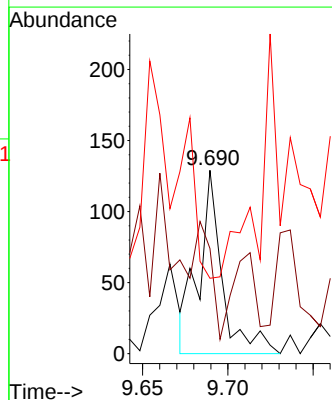
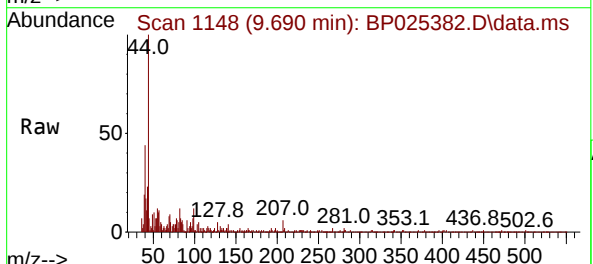
Instrument :
BNA_P
ClientSampleId :
518R-N

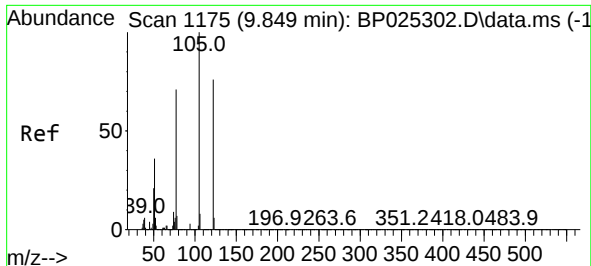
Tgt Ion: 82 Resp: 924647
Ion Ratio Lower Upper
82 100
128 46.6 35.4 53.2
54 50.7 42.9 64.3



#26
2-Nitrophenol
Concen: 3.661 ng
RT: 9.690 min Scan# 1148
Delta R.T. 0.006 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Tgt Ion: 139 Resp: 122
Ion Ratio Lower Upper
139 100
109 57.4 25.2 37.8#
65 41.1 39.6 59.4

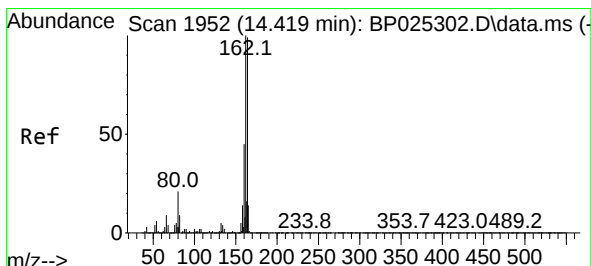
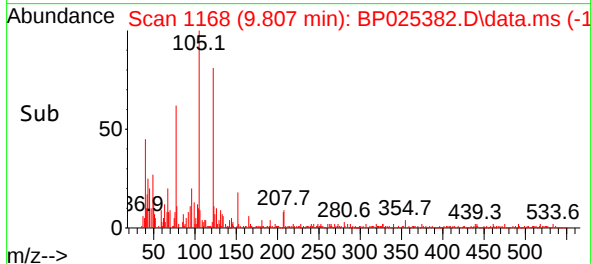
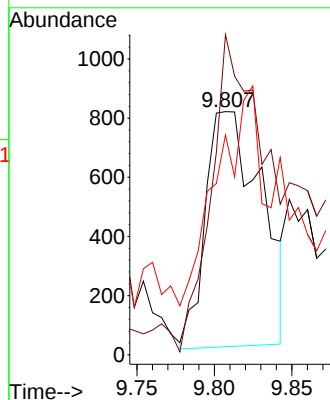
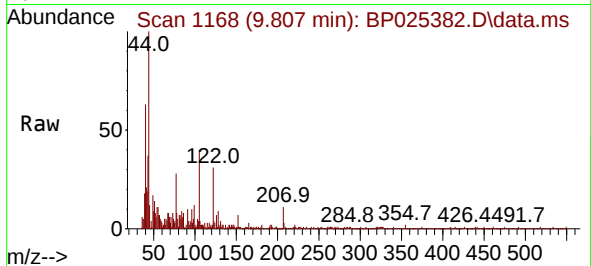




#32
Benzoic acid
Concen: 6.322 ng
RT: 9.807 min Scan# 1175
Delta R.T. -0.042 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

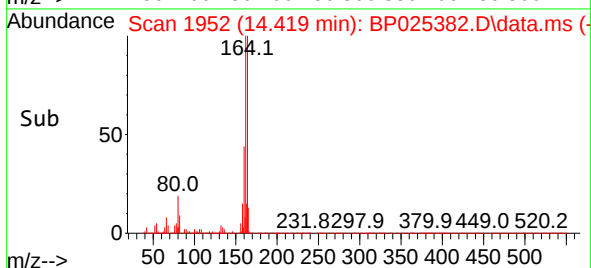
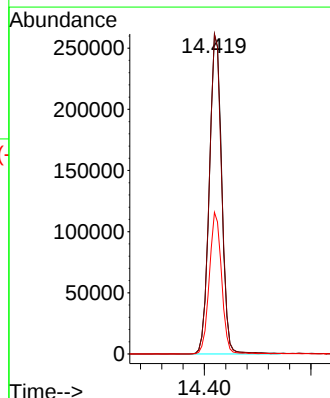
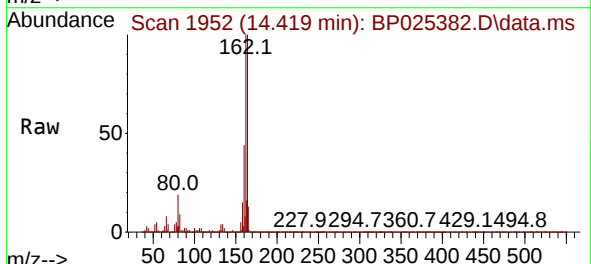
Instrument :
BNA_P
ClientSampleId :
518R-N

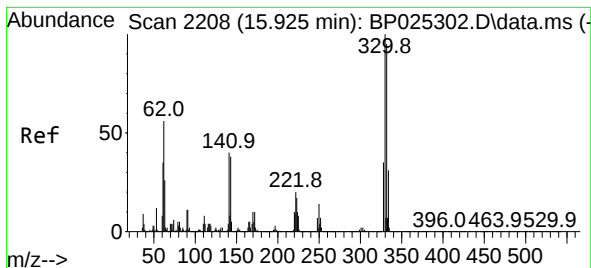
Tgt Ion:122 Resp: 1987
Ion Ratio Lower Upper
122 100
105 131.6 104.0 144.0
77 90.4 71.8 111.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.419 min Scan# 1952
Delta R.T. -0.000 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Tgt Ion:164 Resp: 420600
Ion Ratio Lower Upper
164 100
162 100.1 80.6 120.8
160 44.3 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 151.953 ng

RT: 15.936 min Scan# 2210

Delta R.T. 0.011 min

Lab File: BP025382.D

Acq: 13 Aug 2025 13:22

Instrument :

BNA_P

ClientSampleId :

518R-N

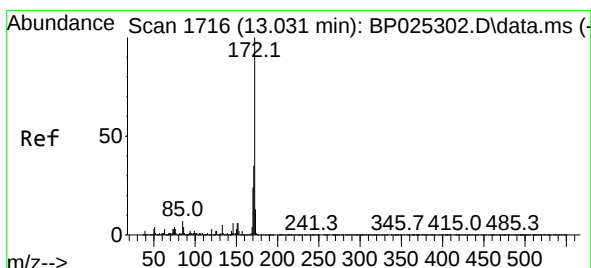
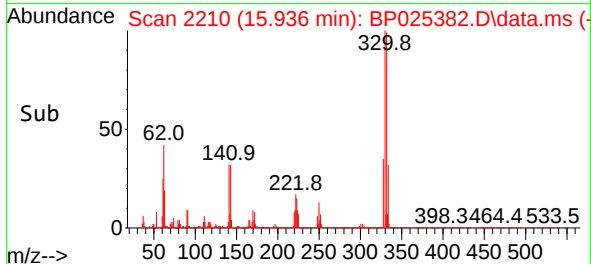
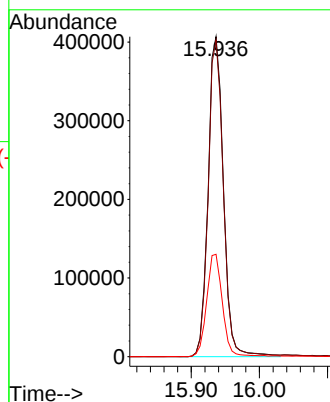
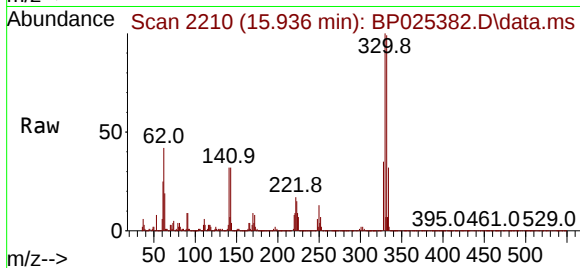
Tgt Ion:330 Resp: 637591

Ion Ratio Lower Upper

330 100

332 98.4 77.4 116.0

141 33.0 31.7 47.5



#45

2-Fluorobiphenyl

Concen: 56.011 ng

RT: 13.031 min Scan# 1716

Delta R.T. -0.001 min

Lab File: BP025382.D

Acq: 13 Aug 2025 13:22

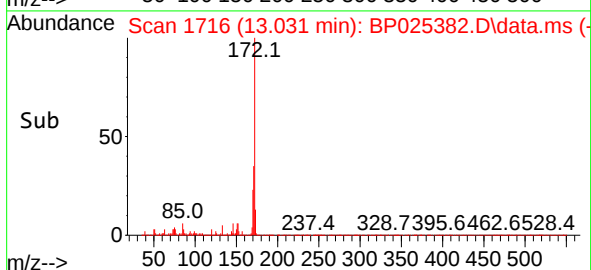
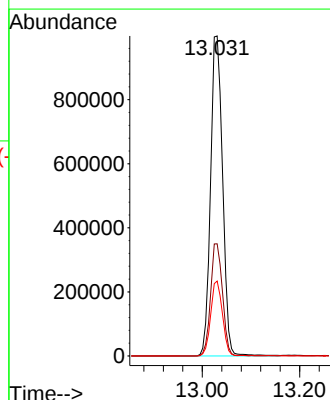
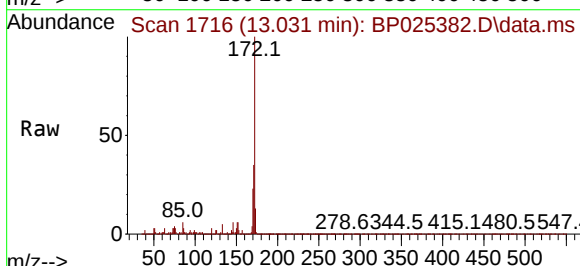
Tgt Ion:172 Resp: 1705613

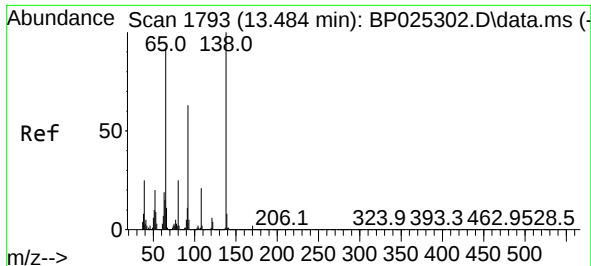
Ion Ratio Lower Upper

172 100

171 35.0 27.9 41.9

170 23.4 18.9 28.3

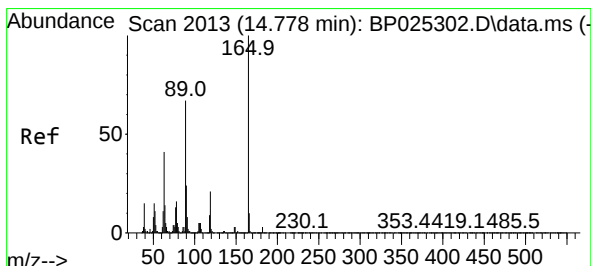
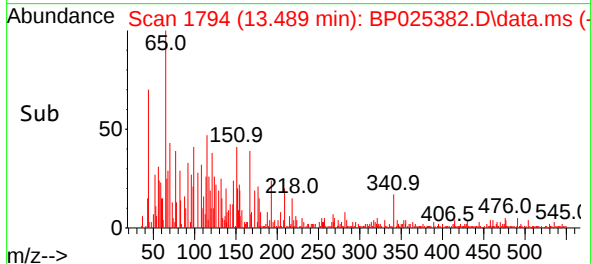
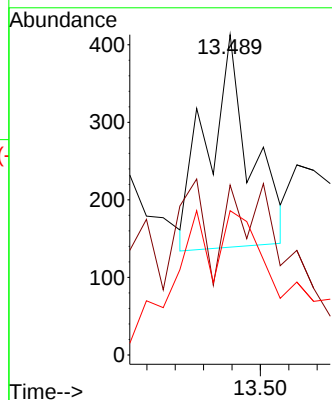
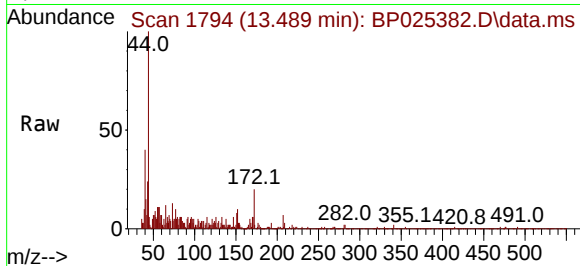




#48
2-Nitroaniline
Concen: 3.003 ng
RT: 13.489 min Scan# 1793
Delta R.T. 0.005 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

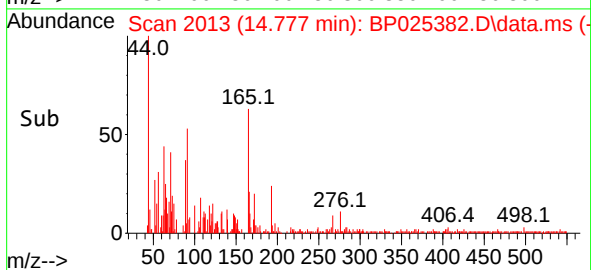
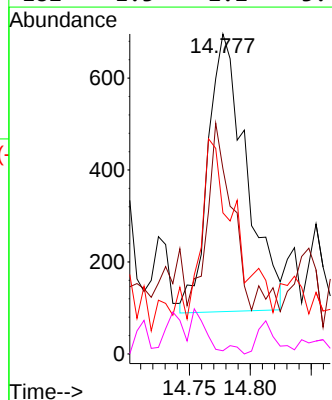
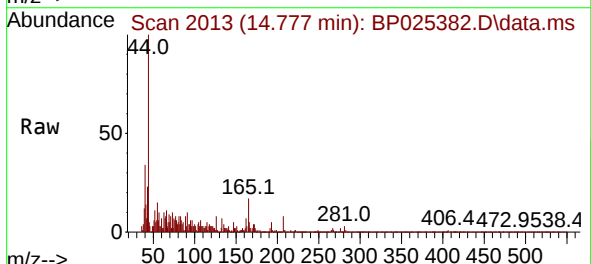
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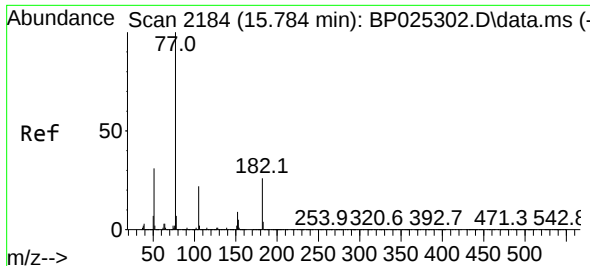
Tgt Ion: 65 Resp: 287
Ion Ratio Lower Upper
65 100
92 53.0 54.4 81.6#
138 45.0 87.0 130.4#



#57
2,4-Dinitrotoluene
Concen: 3.394 ng
RT: 14.777 min Scan# 2013
Delta R.T. -0.001 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Tgt Ion: 165 Resp: 1311
Ion Ratio Lower Upper
165 100
63 57.9 33.2 49.8#
89 44.1 53.5 80.3#
182 1.3 2.2 3.4#

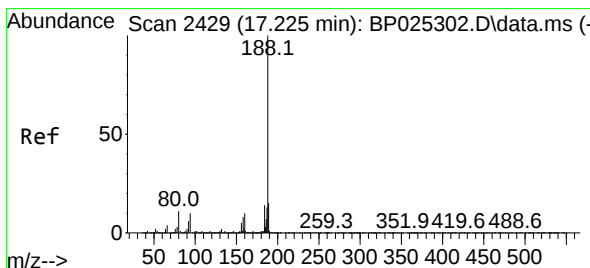
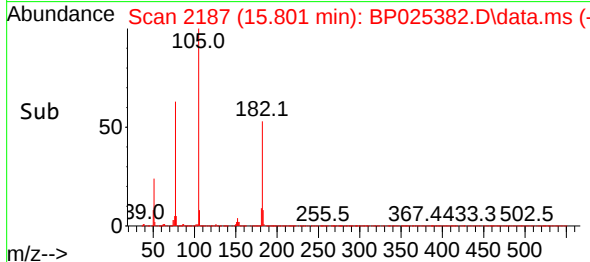
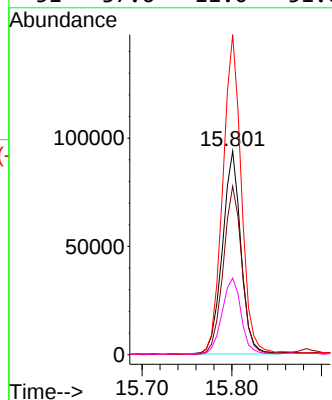
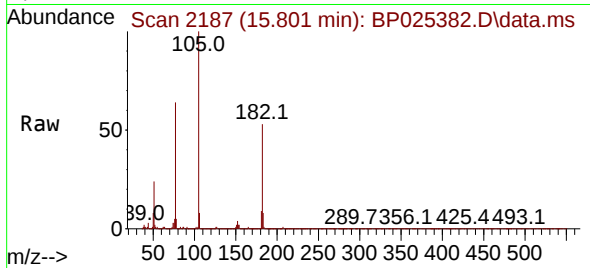




#63
Azobenzene
Concen: 4.644 ng
RT: 15.801 min Scan# 2184
Delta R.T. 0.017 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

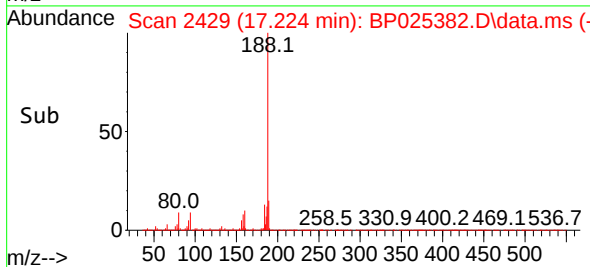
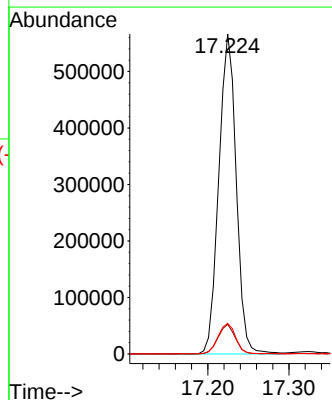
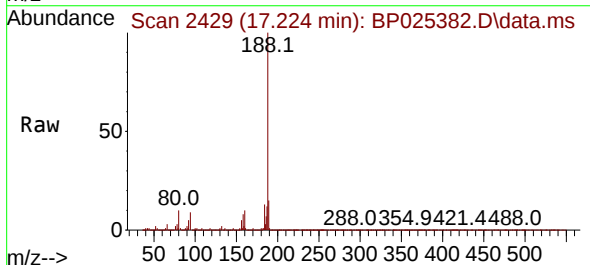
Instrument :
BNA_P
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518R-N

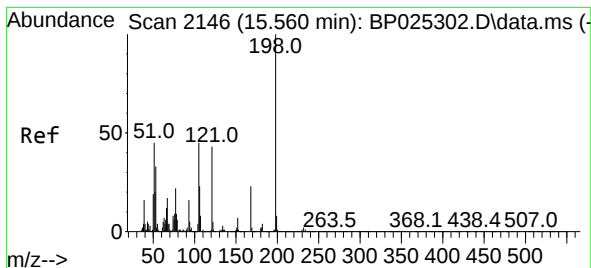
Tgt Ion: 77 Resp: 133366
Ion Ratio Lower Upper
77 100
182 82.8 6.0 46.0#
105 157.2 2.1 42.1#
51 37.6 11.0 51.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.224 min Scan# 2429
Delta R.T. -0.001 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Tgt Ion:188 Resp: 846121
Ion Ratio Lower Upper
188 100
94 9.2 8.0 12.0
80 9.5 8.5 12.7

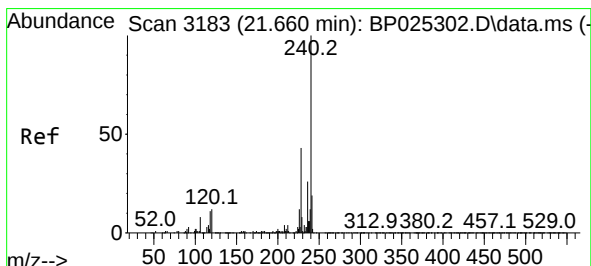
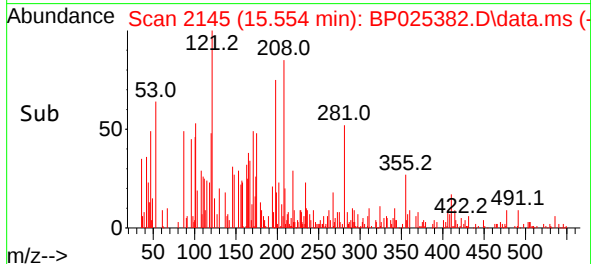
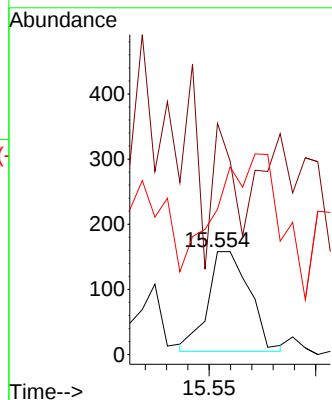
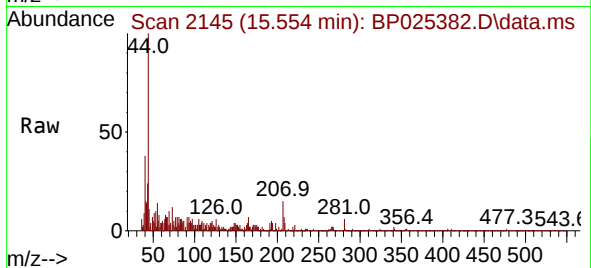




#65
4,6-Dinitro-2-methylphenol
Concen: 4.901 ng
RT: 15.554 min Scan# 2145
Delta R.T. -0.006 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

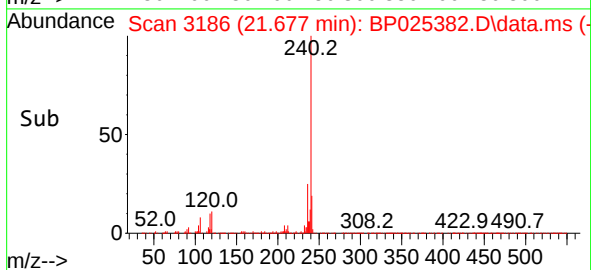
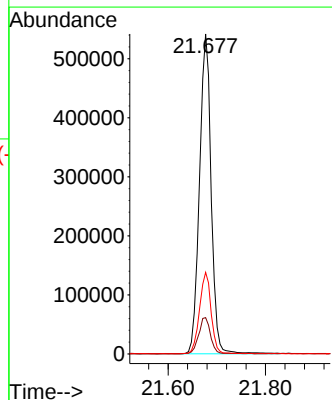
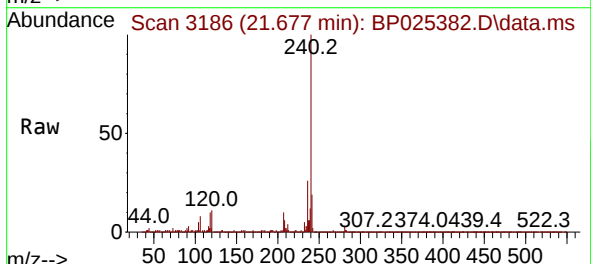
Instrument :
BNA_P
ClientSampleId :
518R-N

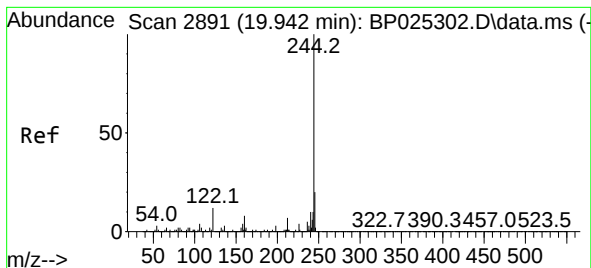
Tgt Ion:198 Resp: 208
Ion Ratio Lower Upper
198 100
51 224.7 26.7 66.7#
105 141.1 25.6 65.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.677 min Scan# 3186
Delta R.T. 0.017 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Tgt Ion:240 Resp: 902500
Ion Ratio Lower Upper
240 100
120 11.4 9.6 14.4
236 25.5 20.4 30.6





#79

Terphenyl-d14

Concen: 55.600 ng

RT: 19.948 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025382.D

Acq: 13 Aug 2025 13:22

Instrument :

BNA_P

ClientSampleId :

518R-N

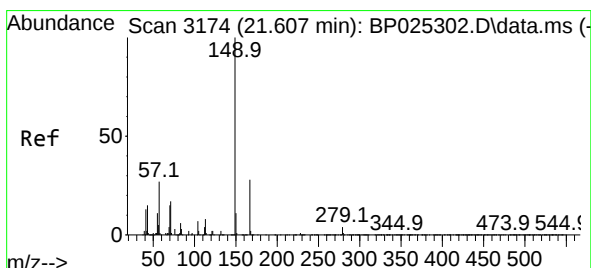
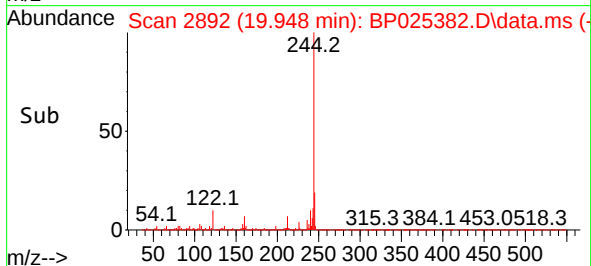
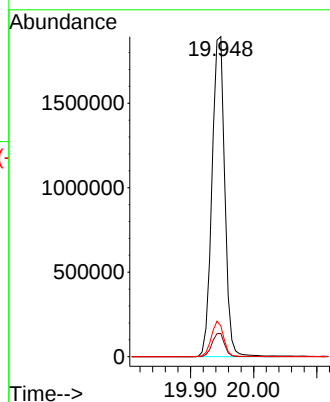
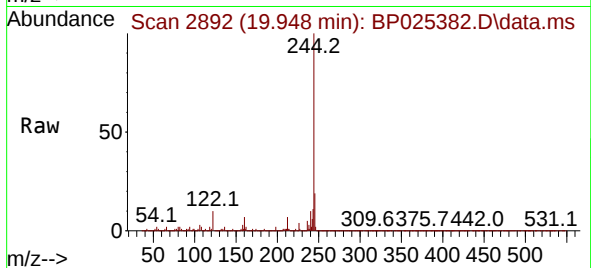
Tgt Ion:244 Resp: 2656673

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

122 9.6 9.5 14.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.154 ng

RT: 21.601 min Scan# 3173

Delta R.T. -0.006 min

Lab File: BP025382.D

Acq: 13 Aug 2025 13:22

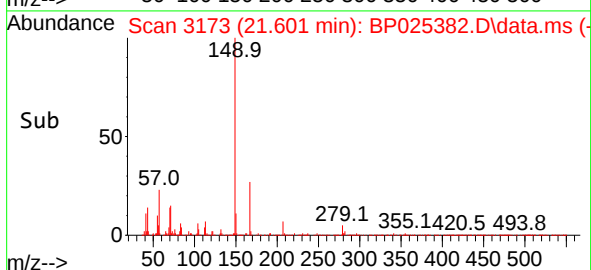
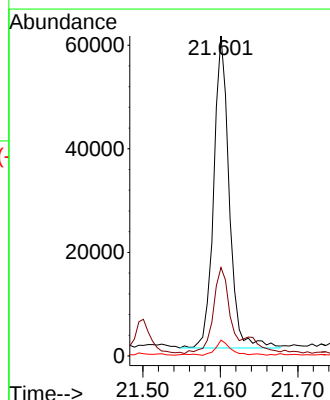
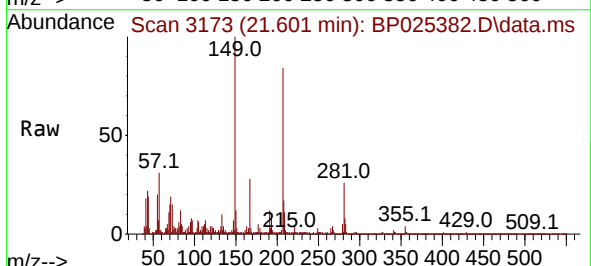
Tgt Ion:149 Resp: 83712

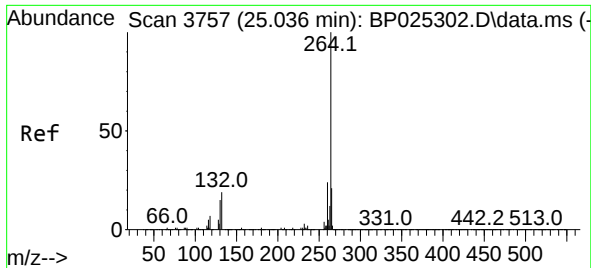
Ion Ratio Lower Upper

149 100

167 27.7 22.1 33.1

279 5.0 3.4 5.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.077 min Scan# 31
 Delta R.T. 0.041 min
 Lab File: BP025382.D
 Acq: 13 Aug 2025 13:22

Instrument :
 BNA_P
 ClientSampleId :
 518R-N

Tgt Ion:264 Resp: 1039991
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.2 28.8
 265 22.2 17.1 25.7

