

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
 Data File : BP025383.D
 Acq On : 13 Aug 2025 14:04
 Operator : CG/JU
 Sample : Q2820-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 518R-W

Quant Time: Aug 13 14:22:41 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)

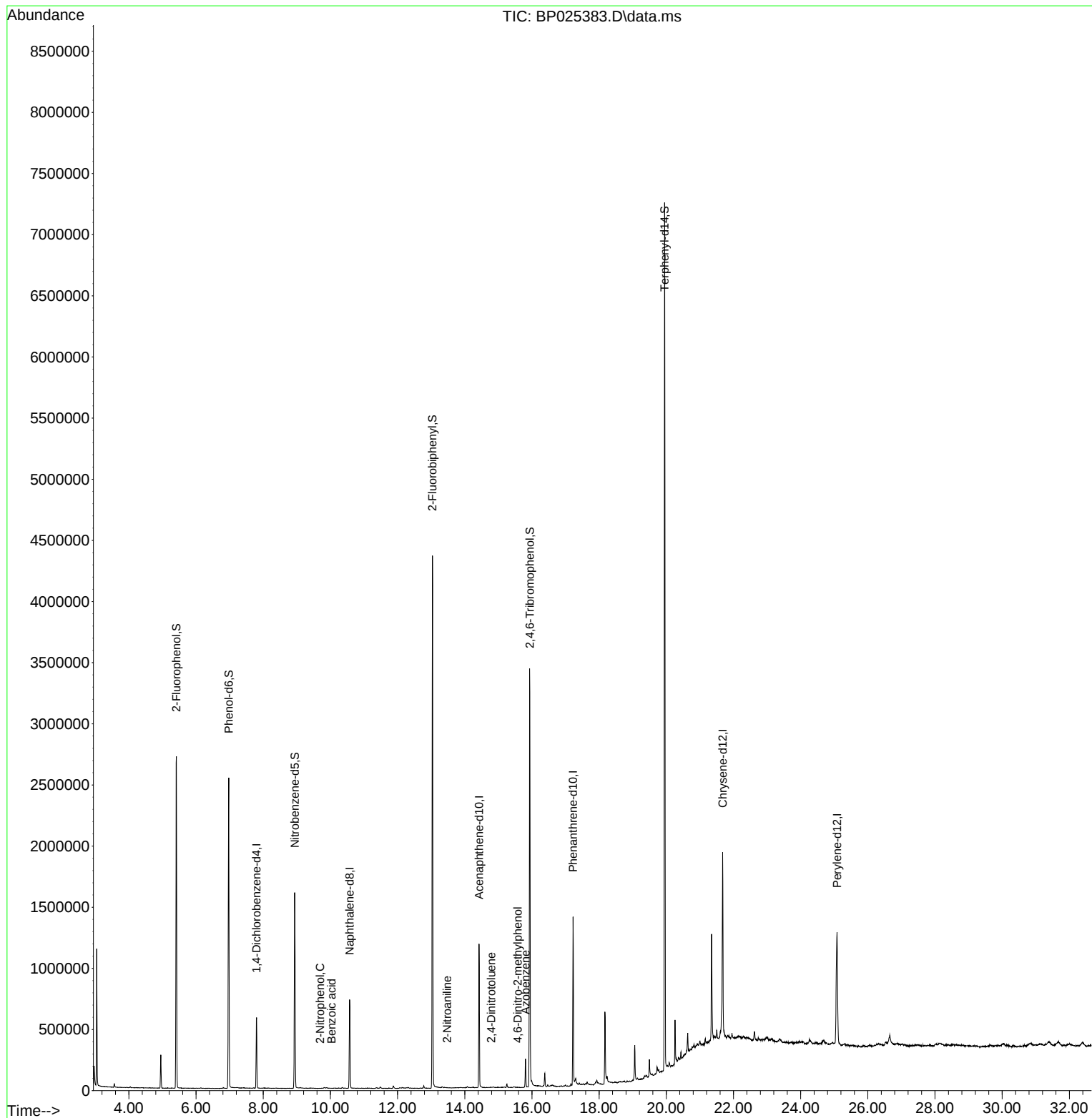
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	161270	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	625957	20.000	ng	0.00
39) Acenaphthene-d10	14.425	164	388971	20.000	ng	0.00
64) Phenanthrene-d10	17.225	188	792350	20.000	ng	0.00
76) Chrysene-d12	21.677	240	857200	20.000	ng	0.02
86) Perylene-d12	25.083	264	969724	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.414	112	1211653	120.839	ng	0.00
7) Phenol-d6	6.972	99	1485249	112.551	ng	0.00
23) Nitrobenzene-d5	8.937	82	969737	85.828	ng	0.00
42) 2,4,6-Tribromophenol	15.937	330	687336	177.129	ng	0.01
45) 2-Fluorobiphenyl	13.037	172	2252960	80.001	ng	0.00
79) Terphenyl-d14	19.948	244	3721403	81.999	ng	0.00
Target Compounds						
					Qvalue	
26) 2-Nitrophenol	9.690	139	86	3.655	ng	# 1
32) Benzoic acid	10.031	122	124	5.976	ng	87
48) 2-Nitroaniline	13.478	65	269	3.003	ng	# 35
57) 2,4-Dinitrotoluene	14.790	165	888	3.357	ng	# 83
63) Azobenzene	15.807	77	61427	2.313	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.578	198	120	4.875	ng	# 1

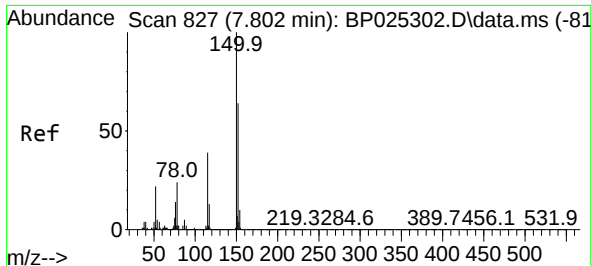
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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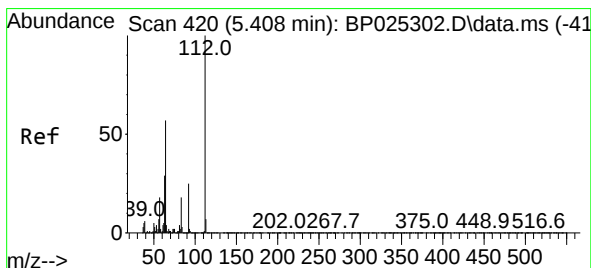
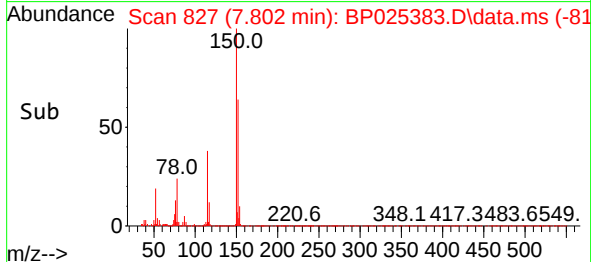
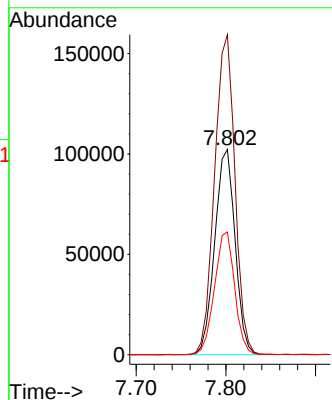
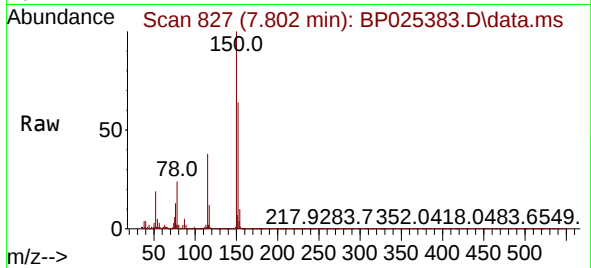




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP025383.D
Acq: 13 Aug 2025 14:04

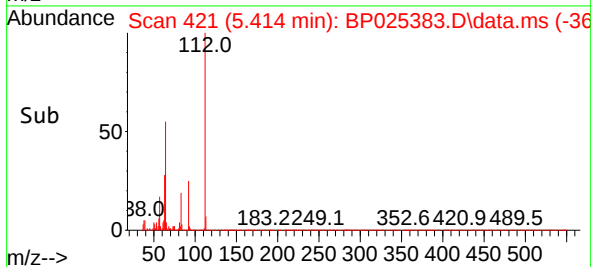
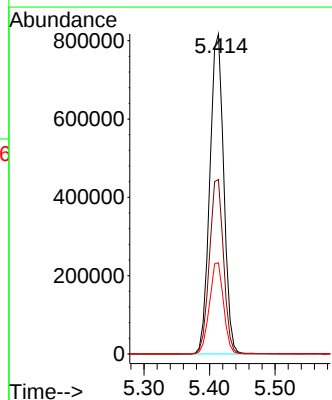
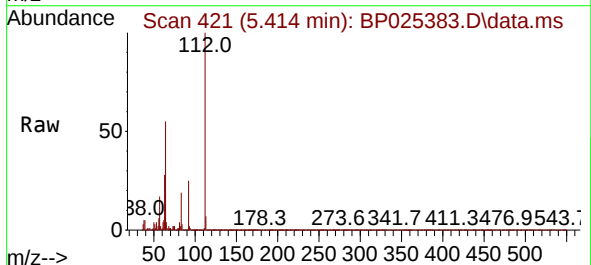
Instrument :
BNA_P
ClientSampleId :
518R-W

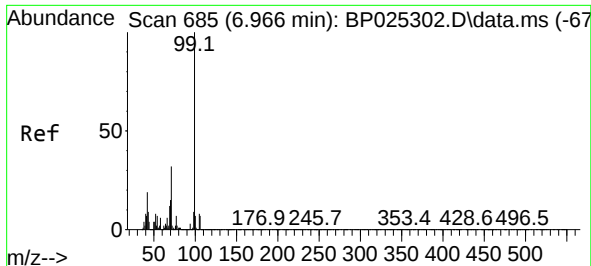
Tgt Ion:152 Resp: 161270
Ion Ratio Lower Upper
152 100
150 155.9 125.1 187.7
115 59.8 48.4 72.6



#5
2-Fluorophenol
Concen: 120.839 ng
RT: 5.414 min Scan# 421
Delta R.T. 0.006 min
Lab File: BP025383.D
Acq: 13 Aug 2025 14:04

Tgt Ion:112 Resp: 1211653
Ion Ratio Lower Upper
112 100
64 54.5 45.3 67.9
63 28.5 23.0 34.6

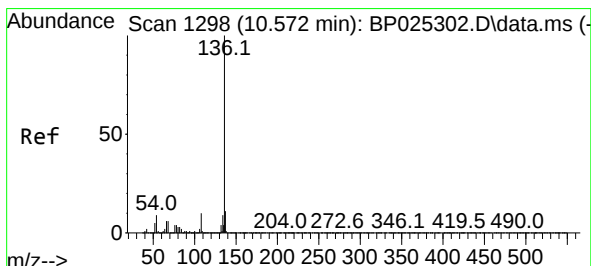
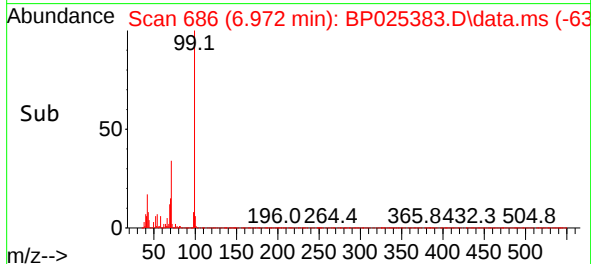
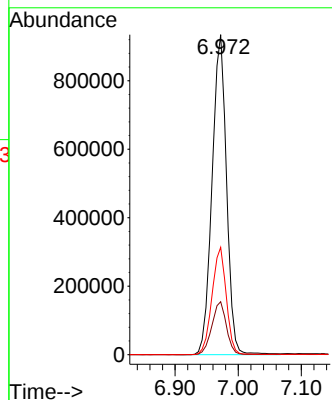
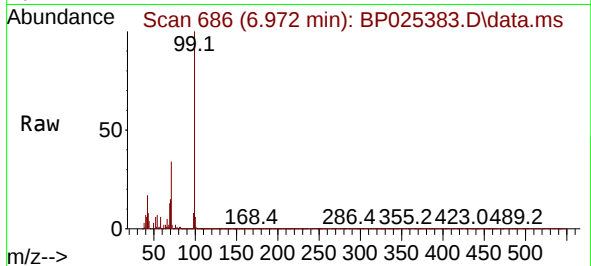




#7
Phenol-d6
Concen: 112.551 ng
RT: 6.972 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP025383.D
Acq: 13 Aug 2025 14:04

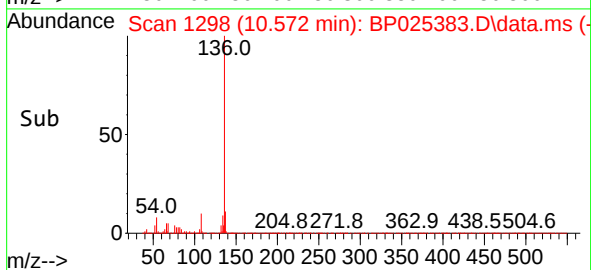
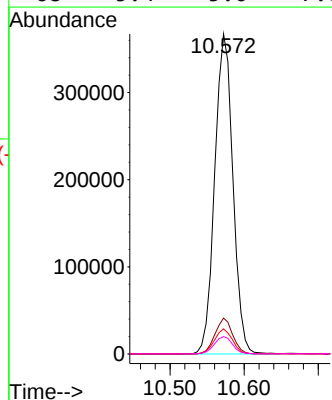
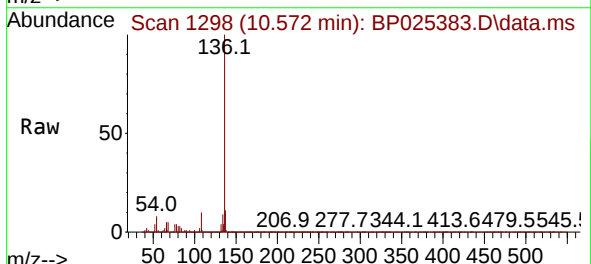
Instrument :
BNA_P
ClientSampleId :
518R-W

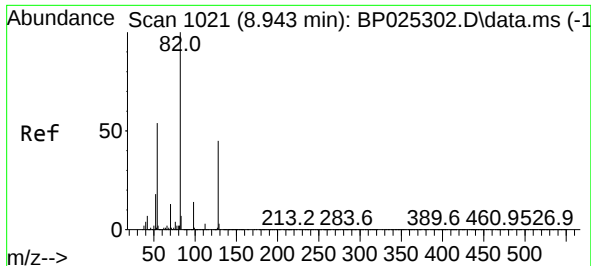
Tgt Ion: 99 Resp: 1485249
Ion Ratio Lower Upper
99 100
42 16.6 15.0 22.6
71 33.6 25.5 38.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BP025383.D
Acq: 13 Aug 2025 14:04

Tgt Ion: 136 Resp: 625957
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 7.9 7.0 10.6
68 5.4 5.0 7.6

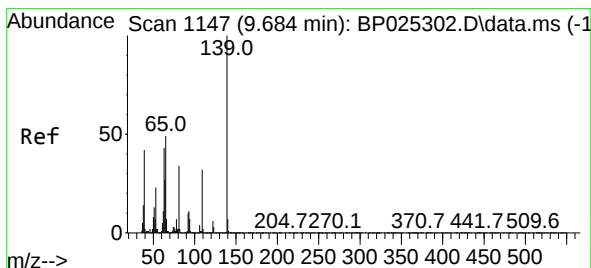
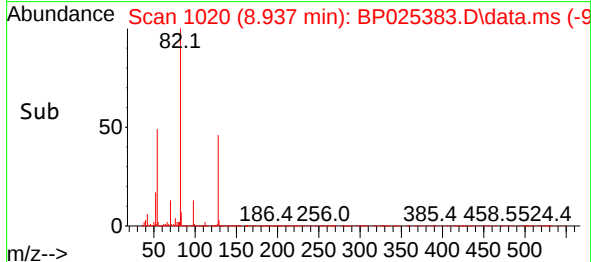
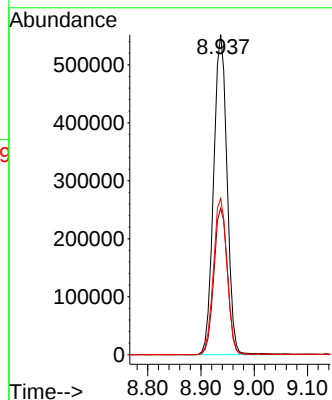
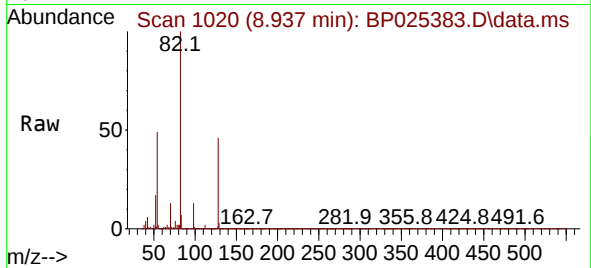




#23
Nitrobenzene-d5
Concen: 85.828 ng
RT: 8.937 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BP025383.D
Acq: 13 Aug 2025 14:04

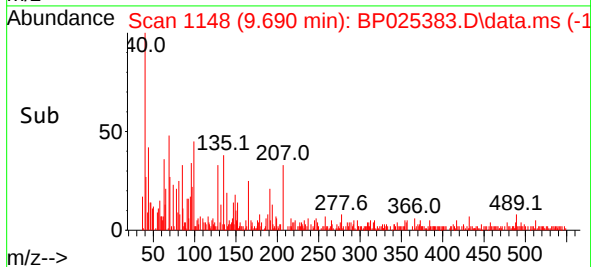
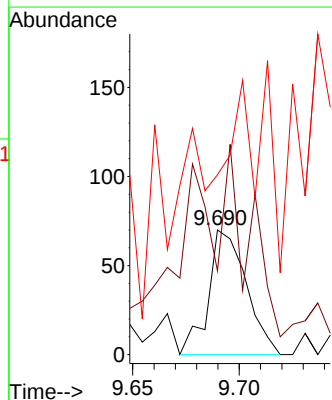
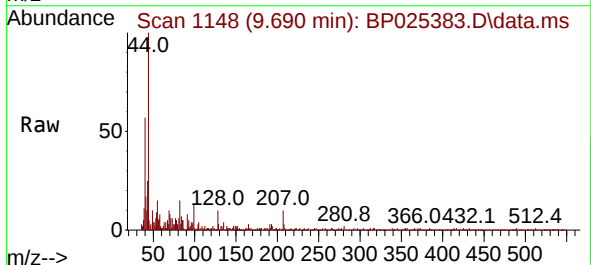
Instrument :
BNA_P
ClientSampleId :
518R-W

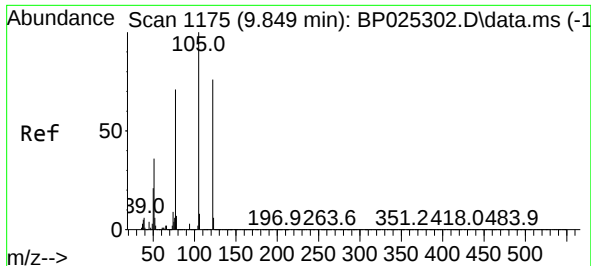
Tgt Ion: 82 Resp: 969737
Ion Ratio Lower Upper
82 100
128 45.8 35.4 53.2
54 48.8 42.9 64.3



#26
2-Nitrophenol
Concen: 3.655 ng
RT: 9.690 min Scan# 1148
Delta R.T. 0.006 min
Lab File: BP025383.D
Acq: 13 Aug 2025 14:04

Tgt Ion: 139 Resp: 86
Ion Ratio Lower Upper
139 100
109 67.1 25.2 37.8#
65 144.3 39.6 59.4#

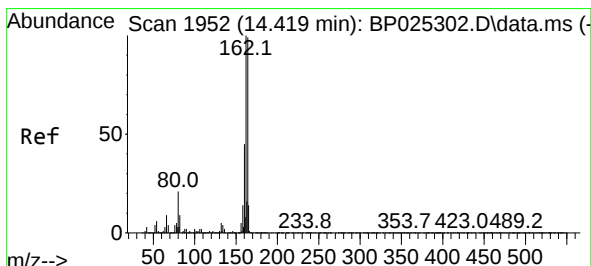
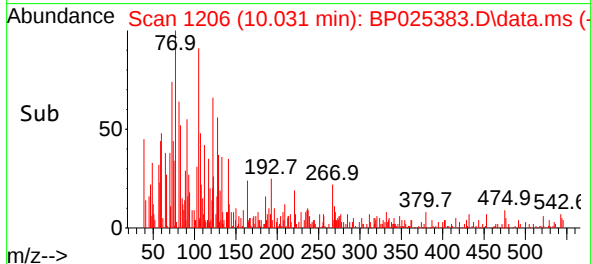
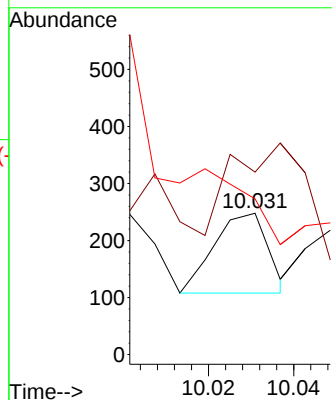
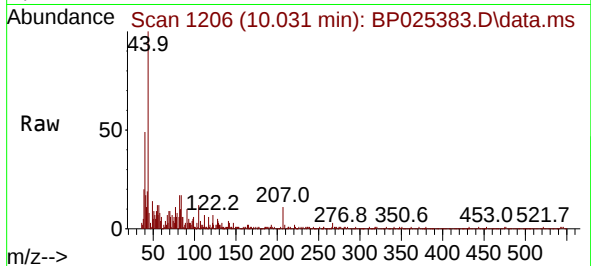




#32
Benzoic acid
Concen: 5.976 ng
RT: 10.031 min Scan# 1175
Delta R.T. 0.182 min
Lab File: BP025383.D
Acq: 13 Aug 2025 14:04

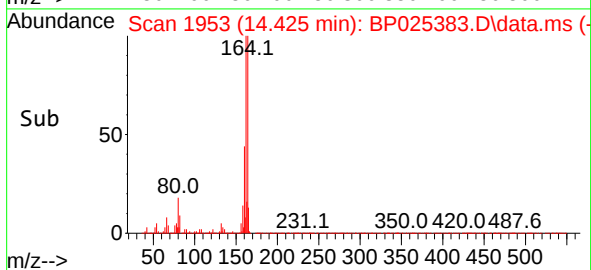
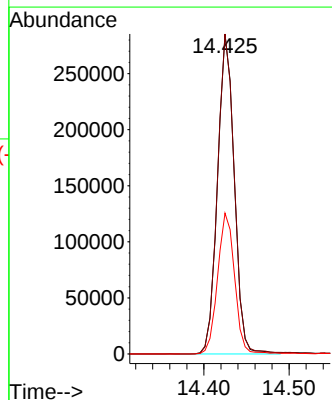
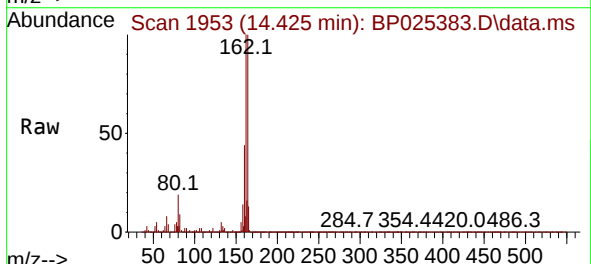
Instrument :
BNA_P
ClientSampleId :
518R-W

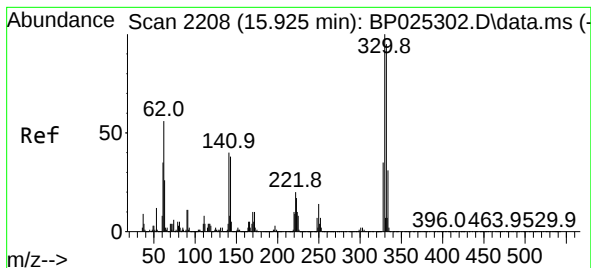
Tgt Ion:122 Resp: 124
Ion Ratio Lower Upper
122 100
105 133.5 104.0 144.0
77 110.1 71.8 111.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.425 min Scan# 1953
Delta R.T. 0.006 min
Lab File: BP025383.D
Acq: 13 Aug 2025 14:04

Tgt Ion:164 Resp: 388971
Ion Ratio Lower Upper
164 100
162 100.1 80.6 120.8
160 44.0 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 177.129 ng

RT: 15.937 min Scan# 21

Delta R.T. 0.011 min

Lab File: BP025383.D

Acq: 13 Aug 2025 14:04

Instrument :

BNA_P

ClientSampleId :

518R-W

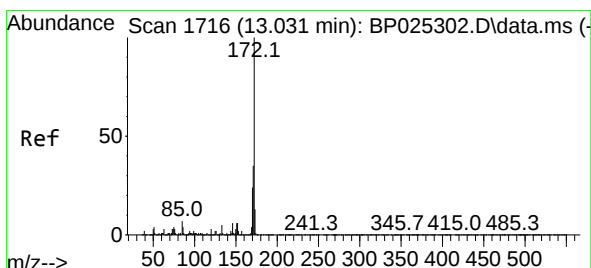
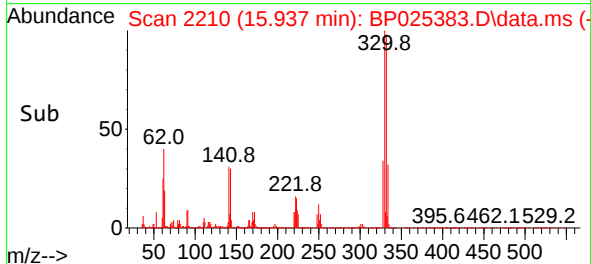
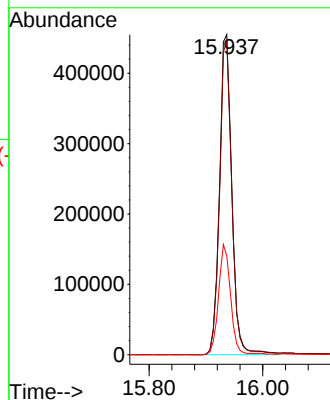
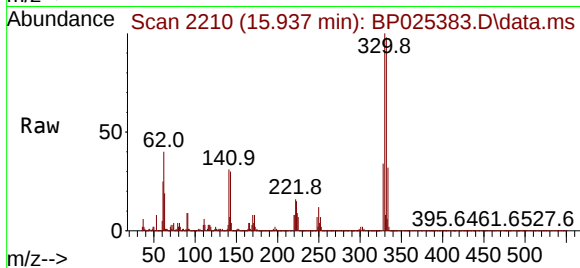
Tgt Ion:330 Resp: 687336

Ion Ratio Lower Upper

330 100

332 97.2 77.4 116.0

141 33.3 31.7 47.5



#45

2-Fluorobiphenyl

Concen: 80.001 ng

RT: 13.037 min Scan# 1717

Delta R.T. 0.006 min

Lab File: BP025383.D

Acq: 13 Aug 2025 14:04

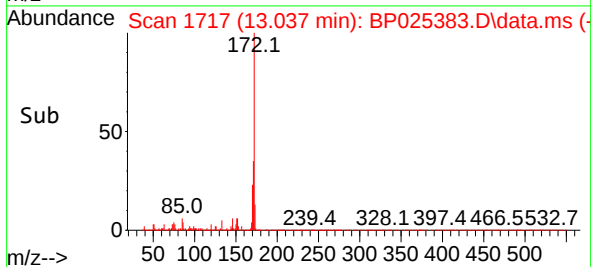
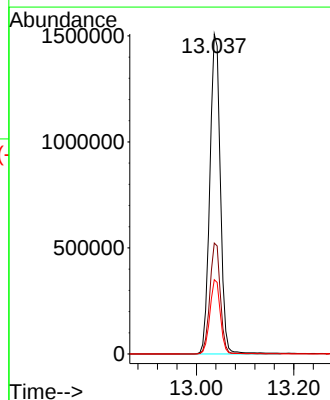
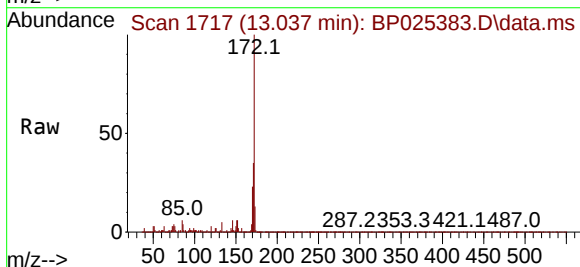
Tgt Ion:172 Resp: 2252960

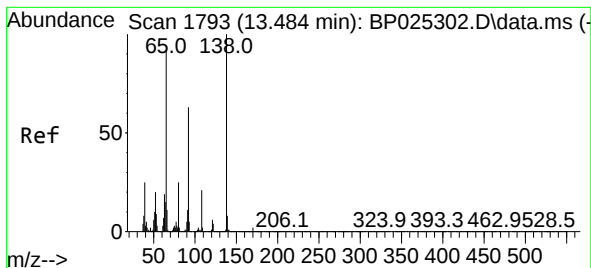
Ion Ratio Lower Upper

172 100

171 34.6 27.9 41.9

170 23.2 18.9 28.3





#48

2-Nitroaniline

Concen: 3.003 ng

RT: 13.478 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP025383.D

Acq: 13 Aug 2025 14:04

Instrument :

BNA_P

ClientSampleId :

518R-W

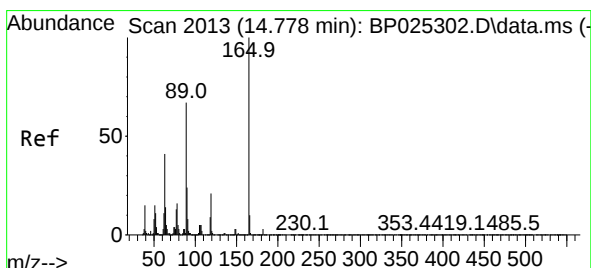
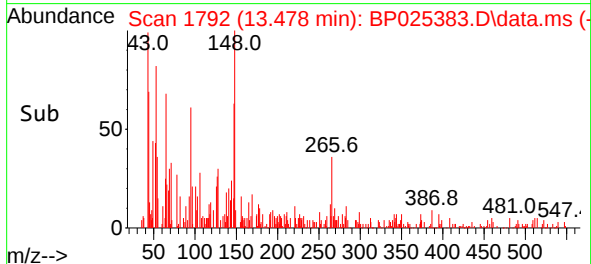
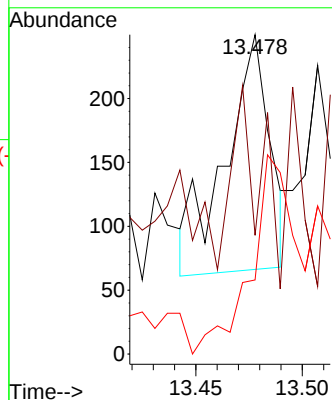
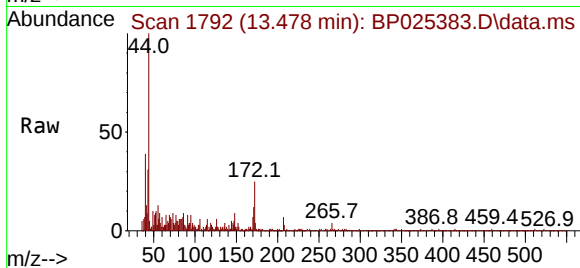
Tgt Ion: 65 Resp: 269

Ion Ratio Lower Upper

65 100

92 37.2 54.4 81.6#

138 23.2 87.0 130.4#



#57

2,4-Dinitrotoluene

Concen: 3.357 ng

RT: 14.790 min Scan# 2015

Delta R.T. 0.011 min

Lab File: BP025383.D

Acq: 13 Aug 2025 14:04

Tgt Ion: 165 Resp: 888

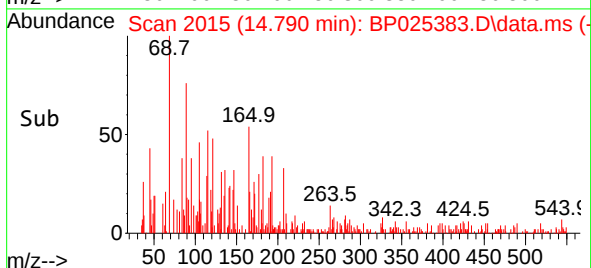
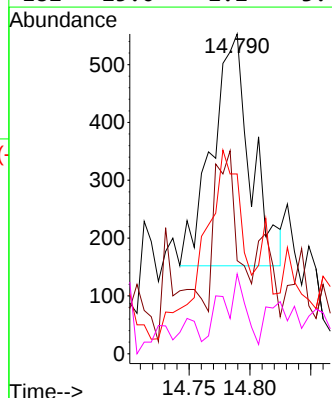
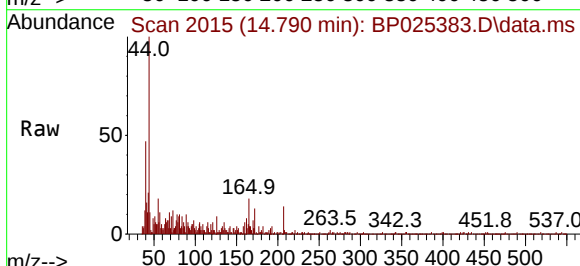
Ion Ratio Lower Upper

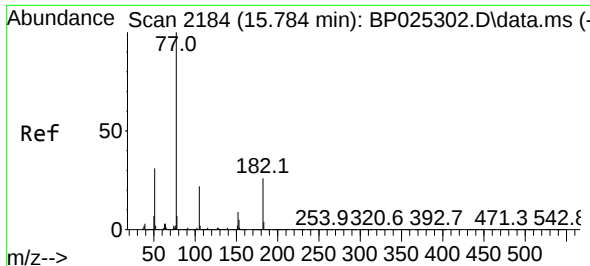
165 100

63 29.1 33.2 49.8#

89 56.2 53.5 80.3

182 25.0 2.2 3.4#

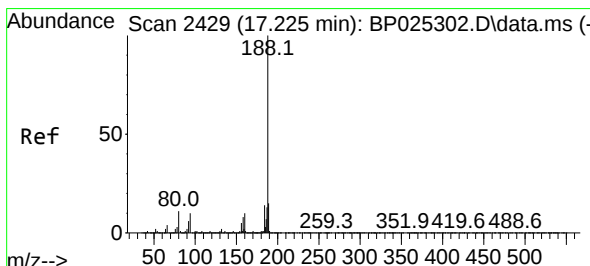
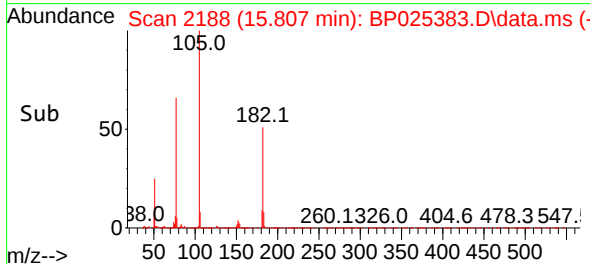
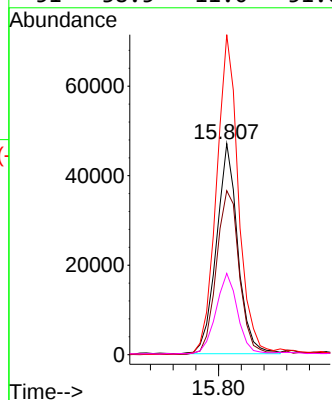
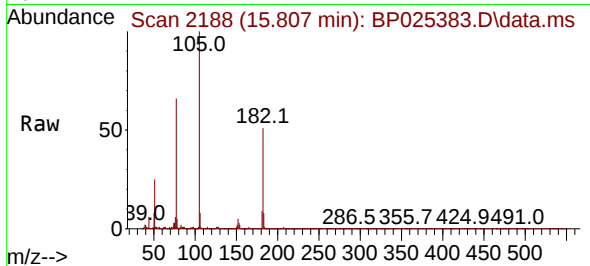




#63
Azobenzene
Concen: 2.313 ng
RT: 15.807 min Scan# 2184
Delta R.T. 0.023 min
Lab File: BP025383.D
Acq: 13 Aug 2025 14:04

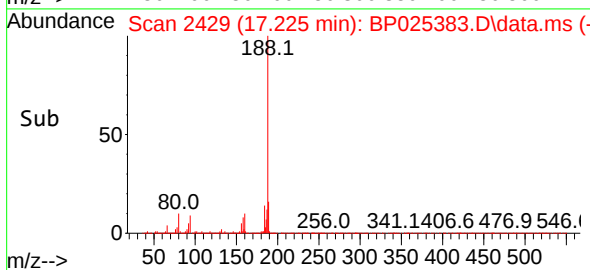
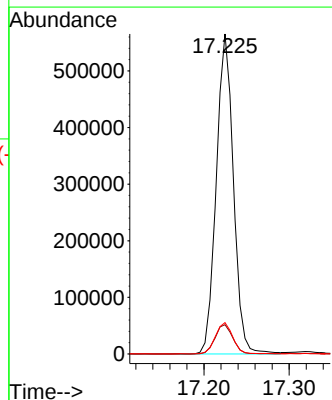
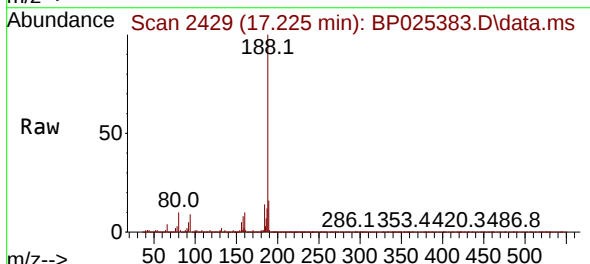
Instrument :
BNA_P
ClientSampleId :
518R-W

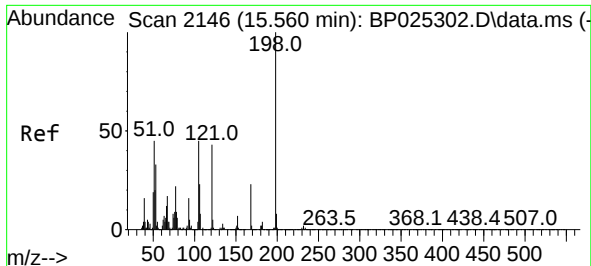
Tgt Ion: 77	Resp: 61427
Ion Ratio	Lower Upper
77	100
182	77.7 6.0 46.0#
105	151.6 2.1 42.1#
51	38.5 11.0 51.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 2429
Delta R.T. -0.000 min
Lab File: BP025383.D
Acq: 13 Aug 2025 14:04

Tgt Ion: 188	Resp: 792350
Ion Ratio	Lower Upper
188	100
94	9.2 8.0 12.0
80	9.8 8.5 12.7

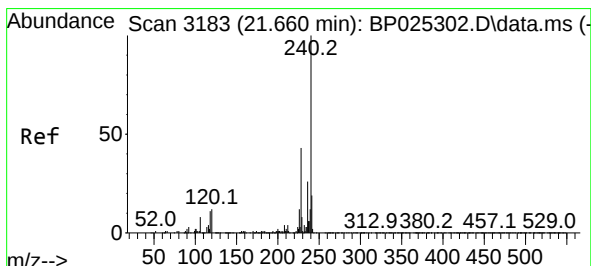
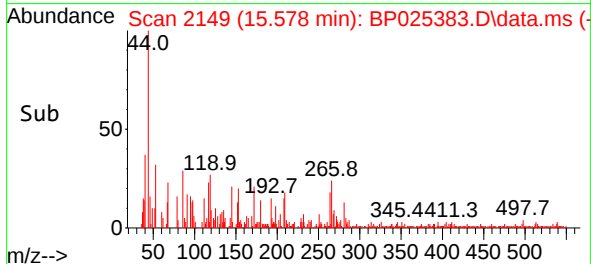
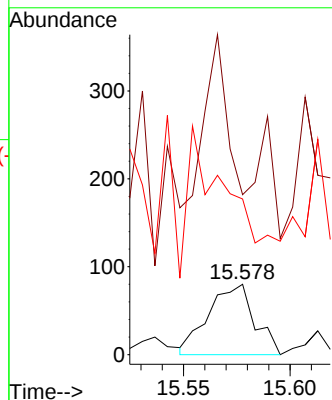
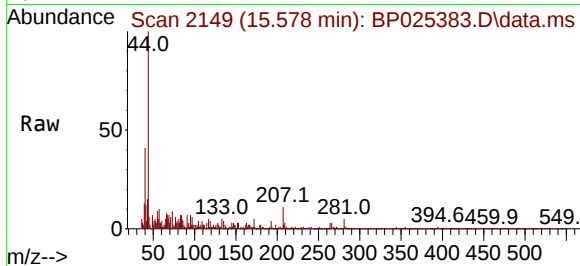




#65
4,6-Dinitro-2-methylphenol
Concen: 4.875 ng
RT: 15.578 min Scan# 2149
Delta R.T. 0.018 min
Lab File: BP025383.D
Acq: 13 Aug 2025 14:04

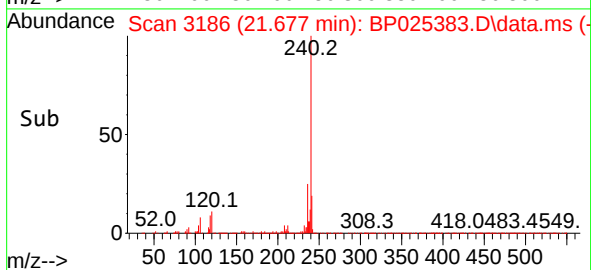
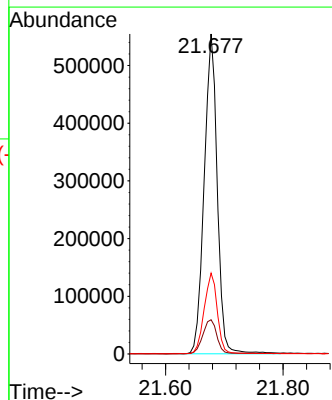
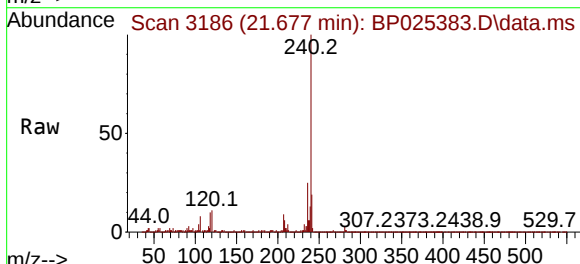
Instrument :
BNA_P
ClientSampleId :
518R-W

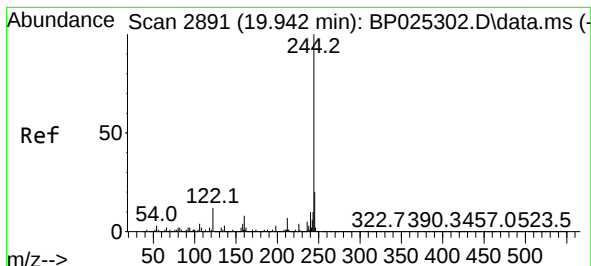
Tgt Ion:198 Resp: 120
Ion Ratio Lower Upper
198 100
51 227.5 26.7 66.7#
105 221.3 25.6 65.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.677 min Scan# 3186
Delta R.T. 0.017 min
Lab File: BP025383.D
Acq: 13 Aug 2025 14:04

Tgt Ion:240 Resp: 857200
Ion Ratio Lower Upper
240 100
120 10.7 9.6 14.4
236 25.3 20.4 30.6





#79

Terphenyl-d14

Concen: 81.999 ng

RT: 19.948 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025383.D

Acq: 13 Aug 2025 14:04

Instrument :

BNA_P

ClientSampleId :

518R-W

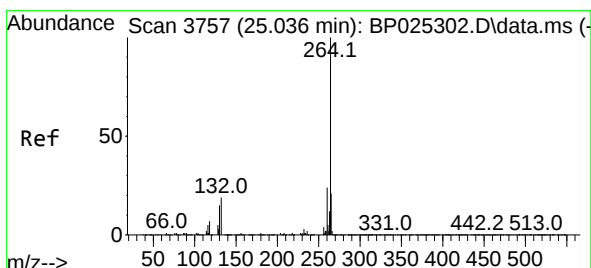
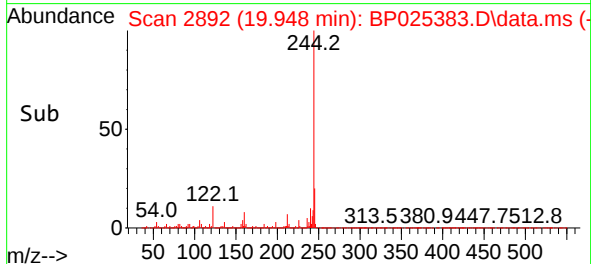
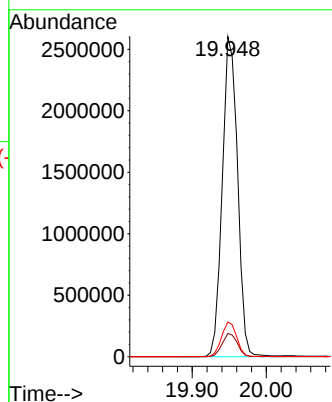
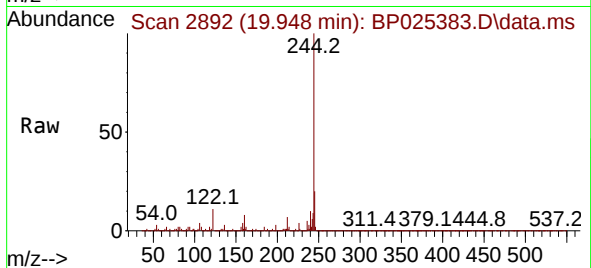
Tgt Ion:244 Resp: 3721403

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

122 10.8 9.5 14.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.083 min Scan# 3765

Delta R.T. 0.047 min

Lab File: BP025383.D

Acq: 13 Aug 2025 14:04

Tgt Ion:264 Resp: 969724

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 21.5 17.1 25.7

