

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
 Data File : BP025386.D
 Acq On : 13 Aug 2025 16:09
 Operator : CG/JU
 Sample : Q2820-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 82H-S

Quant Time: Aug 13 16:37:19 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)

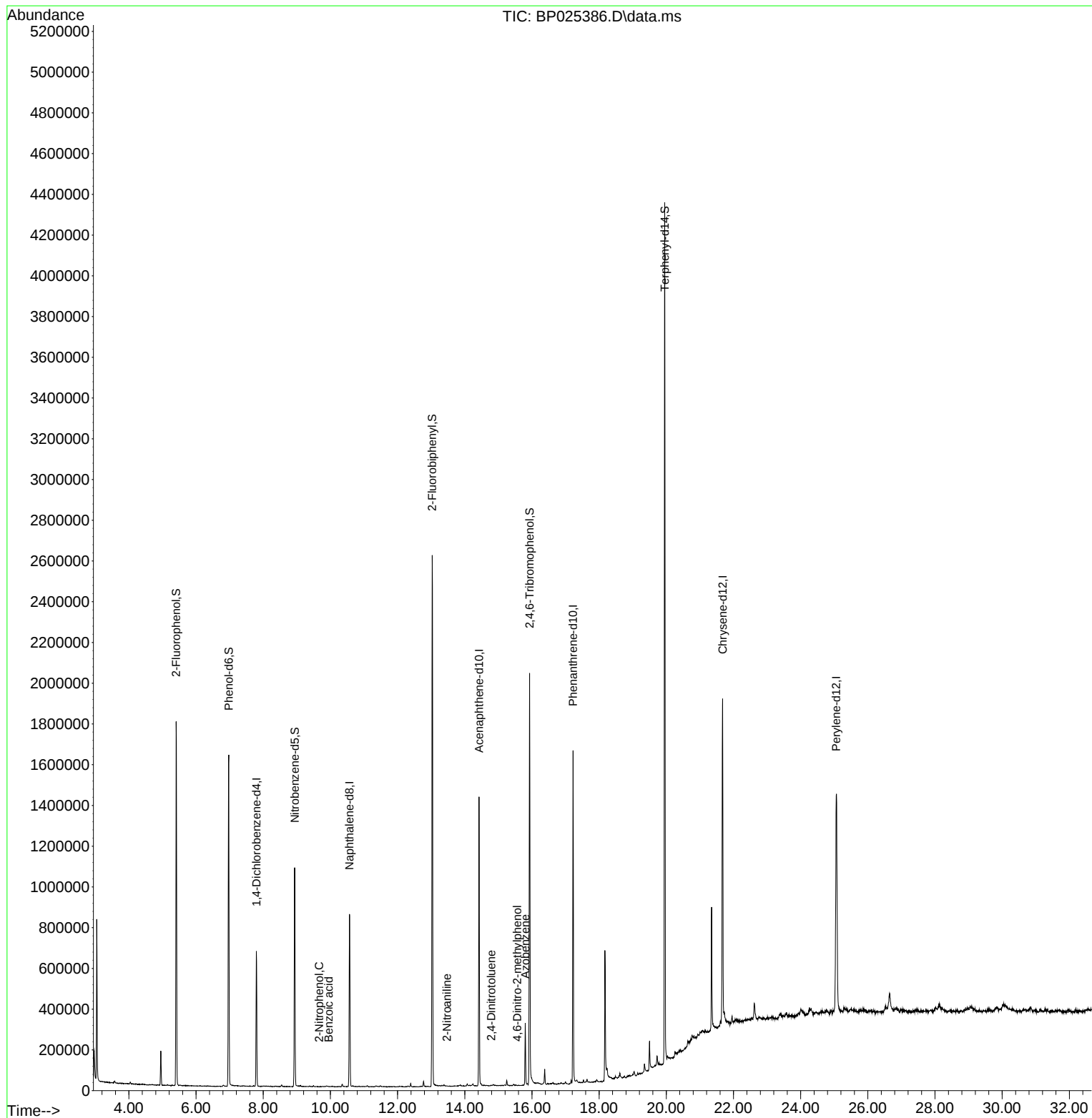
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	188879	20.000	ng	0.00
21) Naphthalene-d8	10.566	136	737904	20.000	ng	0.00
39) Acenaphthene-d10	14.425	164	464131	20.000	ng	0.00
64) Phenanthrene-d10	17.225	188	911140	20.000	ng	0.00
76) Chrysene-d12	21.677	240	1035675	20.000	ng	0.02
86) Perylene-d12	25.060	264	1183878	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	789543	67.232	ng	0.00
7) Phenol-d6	6.972	99	958803	62.037	ng	0.00
23) Nitrobenzene-d5	8.937	82	621642	46.672	ng	0.00
42) 2,4,6-Tribromophenol	15.931	330	415791	89.799	ng	0.00
45) 2-Fluorobiphenyl	13.031	172	1435039	42.705	ng	0.00
79) Terphenyl-d14	19.954	244	2296040	41.873	ng	0.01
Target Compounds						
					Qvalue	
26) 2-Nitrophenol	9.666	139	12	3.640	ng	# 1
32) Benzoic acid	9.949	122	76	5.964	ng	88
48) 2-Nitroaniline	13.472	65	249	2.995	ng	# 50
57) 2,4-Dinitrotoluene	14.790	165	501	3.303	ng	# 73
63) Azobenzene	15.801	77	82866	2.615	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.560	198	16	4.839	ng	# 1

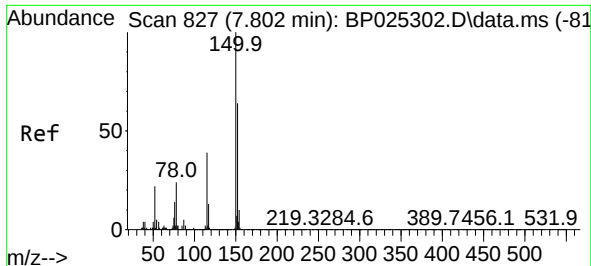
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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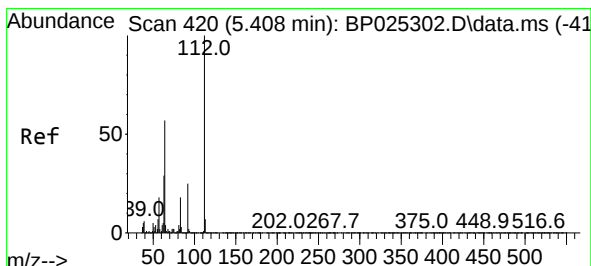
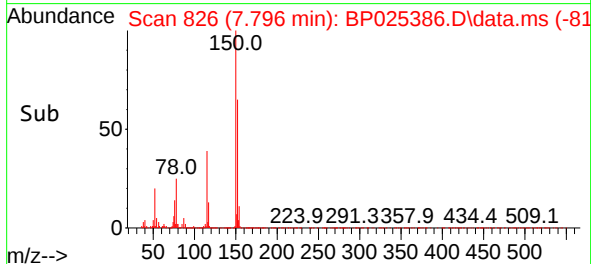
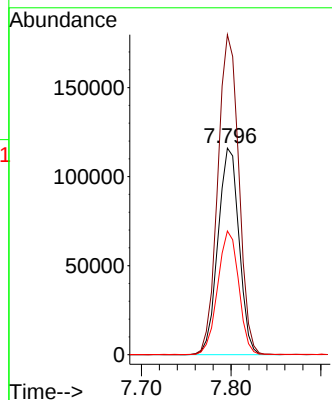
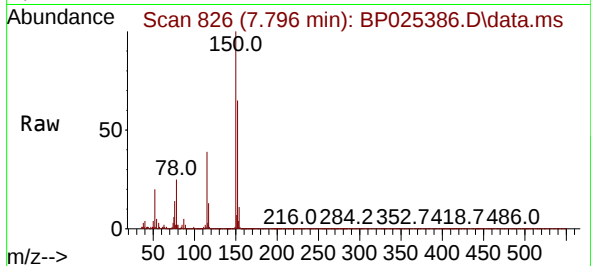




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.796 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BP025386.D
 Acq: 13 Aug 2025 16:09

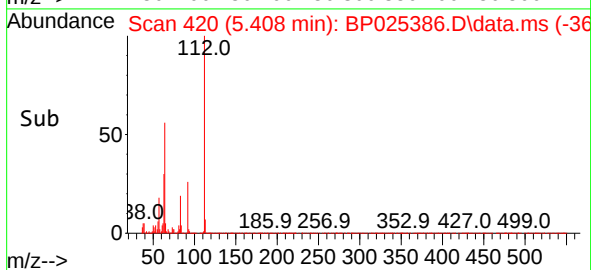
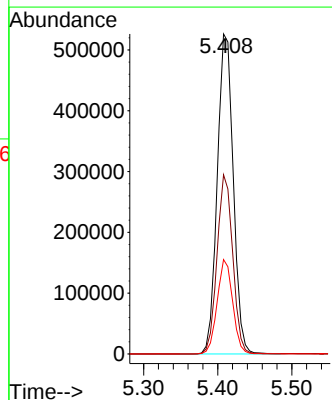
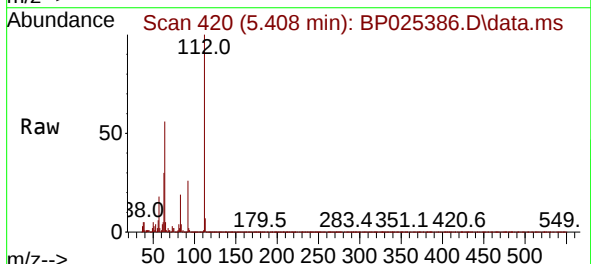
Instrument :
 BNA_P
 ClientSampleId :
 82H-S

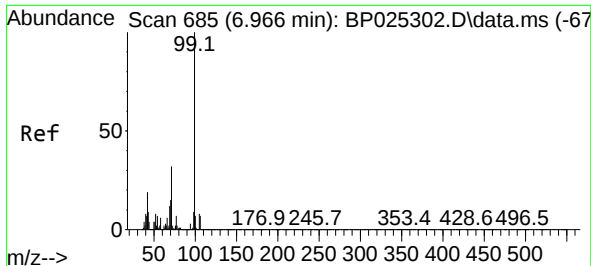
Tgt Ion:152 Resp: 188879
 Ion Ratio Lower Upper
 152 100
 150 154.9 125.1 187.7
 115 59.9 48.4 72.6



#5
 2-Fluorophenol
 Concen: 67.232 ng
 RT: 5.408 min Scan# 420
 Delta R.T. -0.000 min
 Lab File: BP025386.D
 Acq: 13 Aug 2025 16:09

Tgt Ion:112 Resp: 789543
 Ion Ratio Lower Upper
 112 100
 64 56.0 45.3 67.9
 63 29.5 23.0 34.6

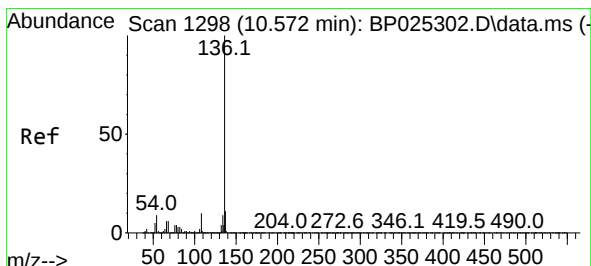
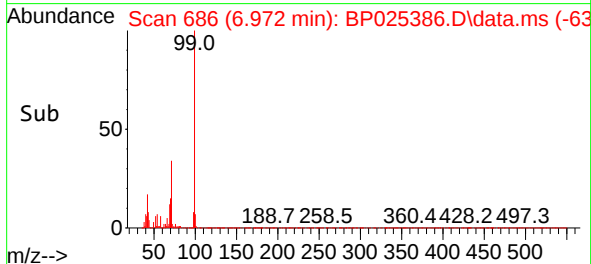
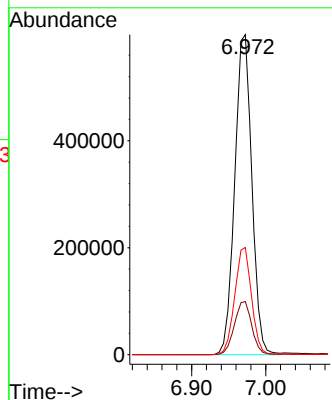
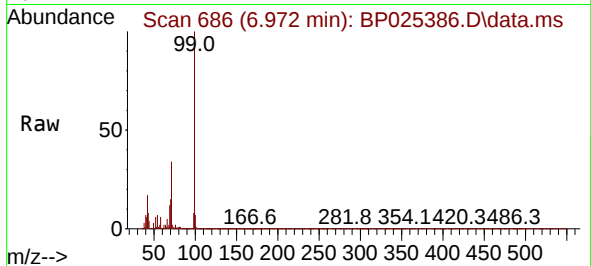




#7
Phenol-d6
Concen: 62.037 ng
RT: 6.972 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP025386.D
Acq: 13 Aug 2025 16:09

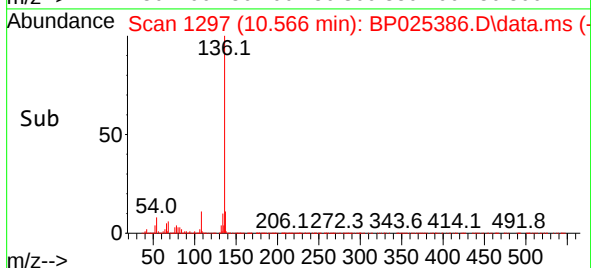
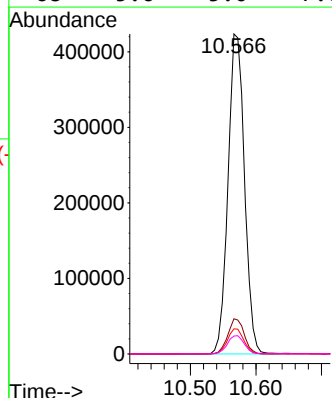
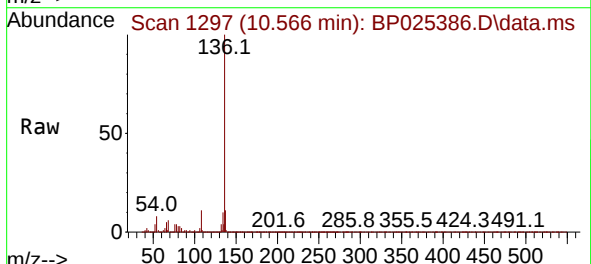
Instrument :
BNA_P
ClientSampleId :
82H-S

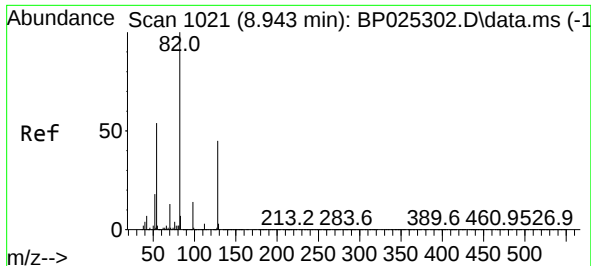
Tgt Ion: 99 Resp: 958803
Ion Ratio Lower Upper
99 100
42 16.6 15.0 22.6
71 33.5 25.5 38.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BP025386.D
Acq: 13 Aug 2025 16:09

Tgt Ion:136 Resp: 737904
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.9 7.0 10.6
68 5.6 5.0 7.6

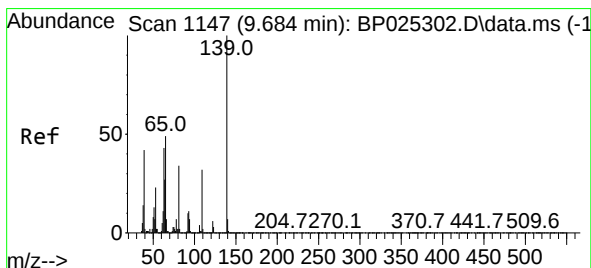
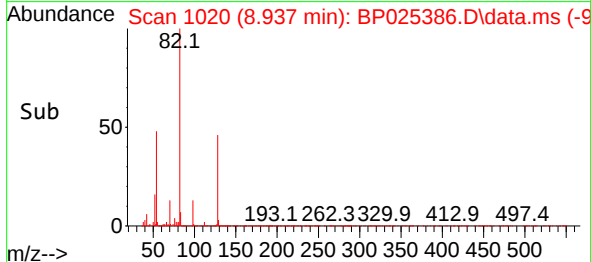
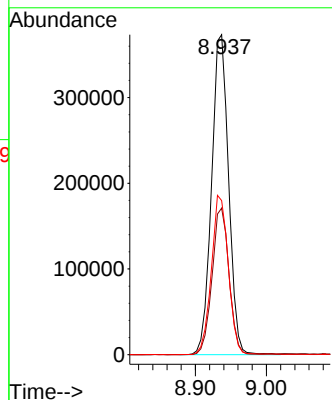
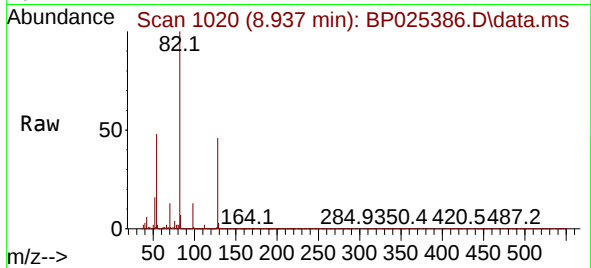




#23
Nitrobenzene-d5
Concen: 46.672 ng
RT: 8.937 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BP025386.D
Acq: 13 Aug 2025 16:09

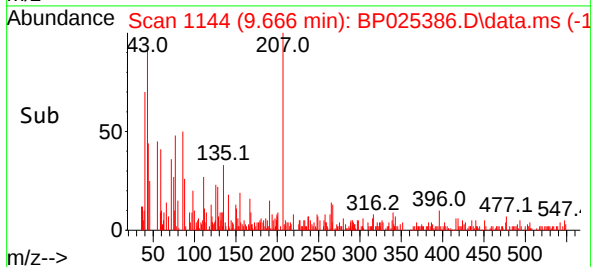
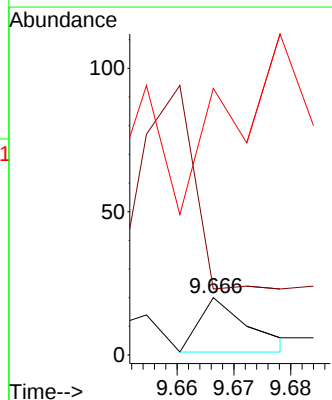
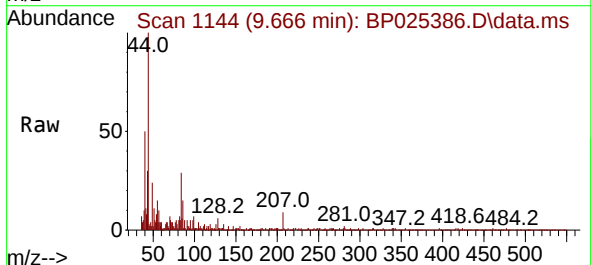
Instrument :
BNA_P
ClientSampleId :
82H-S

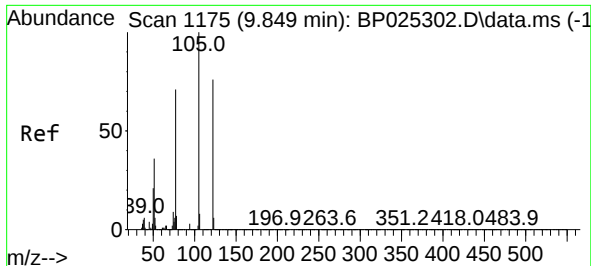
Tgt Ion: 82 Resp: 621642
Ion Ratio Lower Upper
82 100
128 45.8 35.4 53.2
54 48.2 42.9 64.3



#26
2-Nitrophenol
Concen: 3.640 ng
RT: 9.666 min Scan# 1144
Delta R.T. -0.018 min
Lab File: BP025386.D
Acq: 13 Aug 2025 16:09

Tgt Ion: 139 Resp: 12
Ion Ratio Lower Upper
139 100
109 115.0 25.2 37.8#
65 465.0 39.6 59.4#

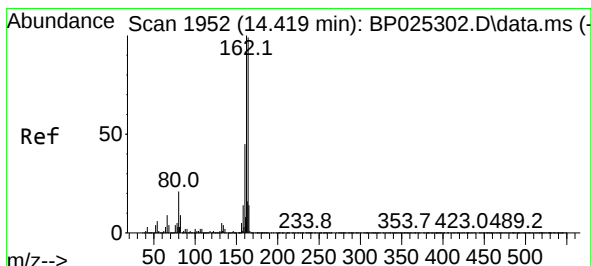
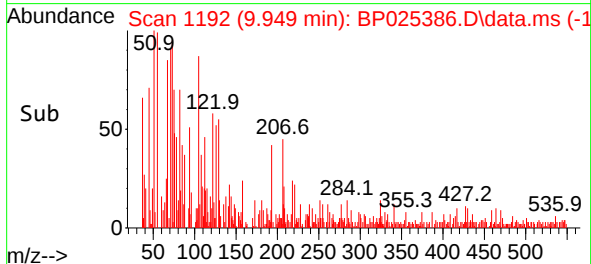
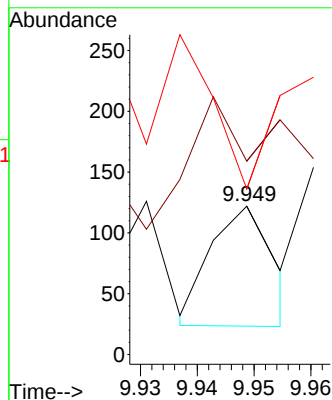
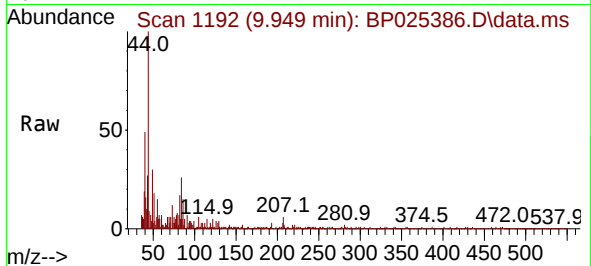




#32
Benzoic acid
Concen: 5.964 ng
RT: 9.949 min Scan# 1175
Delta R.T. 0.100 min
Lab File: BP025386.D
Acq: 13 Aug 2025 16:09

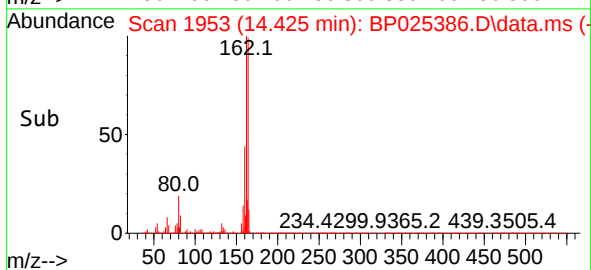
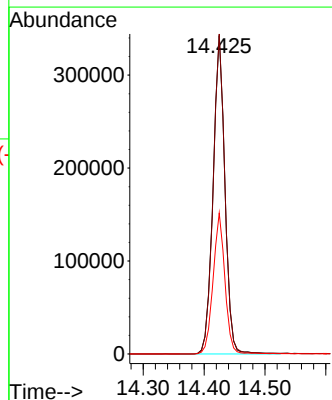
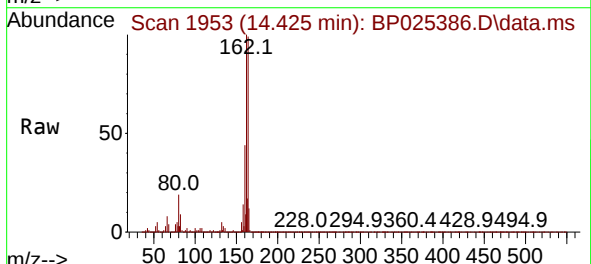
Instrument :
BNA_P
ClientSampleId :
82H-S

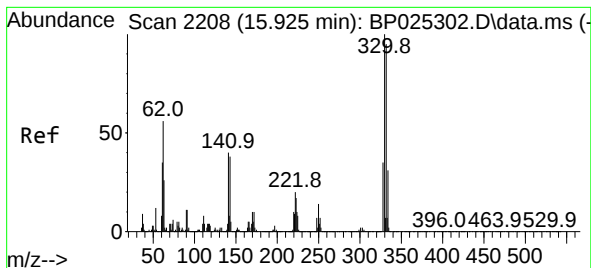
Tgt Ion:	122	Resp:	76
Ion	Ratio	Lower	Upper
122	100		
105	130.3	104.0	144.0
77	111.5	71.8	111.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.425 min Scan# 1953
Delta R.T. 0.006 min
Lab File: BP025386.D
Acq: 13 Aug 2025 16:09

Tgt Ion:	164	Resp:	464131
Ion	Ratio	Lower	Upper
164	100		
162	100.5	80.6	120.8
160	44.3	35.9	53.9





#42

2,4,6-Tribromophenol

Concen: 89.799 ng

RT: 15.931 min Scan# 2208

Delta R.T. 0.006 min

Lab File: BP025386.D

Acq: 13 Aug 2025 16:09

Instrument :

BNA_P

ClientSampleId :

82H-S

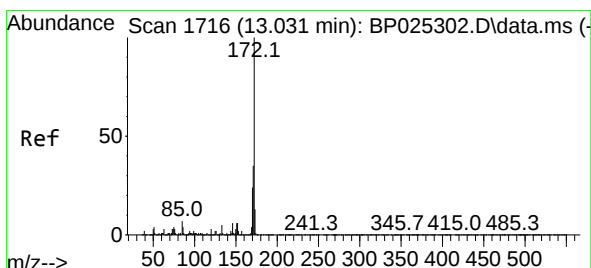
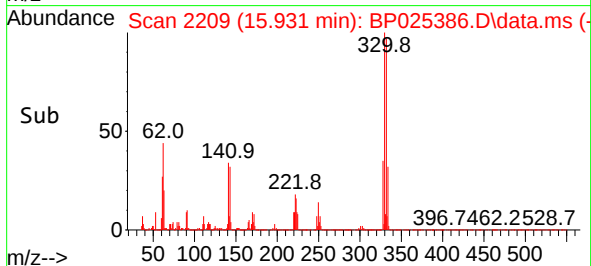
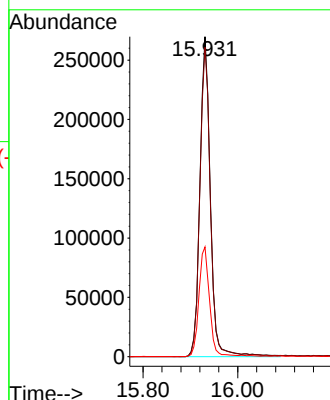
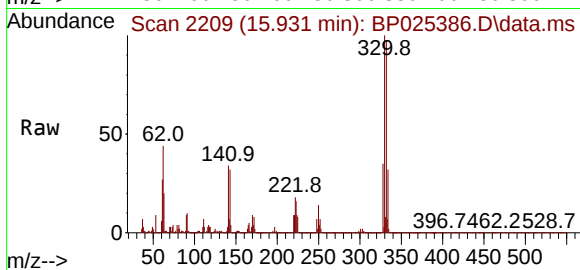
Tgt Ion:330 Resp: 415791

Ion Ratio Lower Upper

330 100

332 97.5 77.4 116.0

141 34.5 31.7 47.5



#45

2-Fluorobiphenyl

Concen: 42.705 ng

RT: 13.031 min Scan# 1716

Delta R.T. -0.000 min

Lab File: BP025386.D

Acq: 13 Aug 2025 16:09

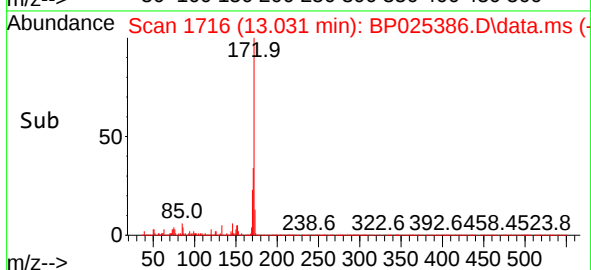
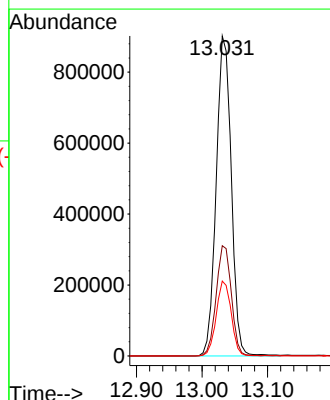
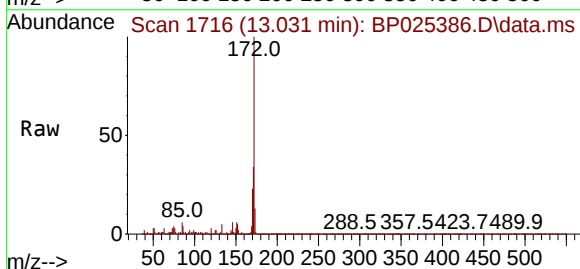
Tgt Ion:172 Resp: 1435039

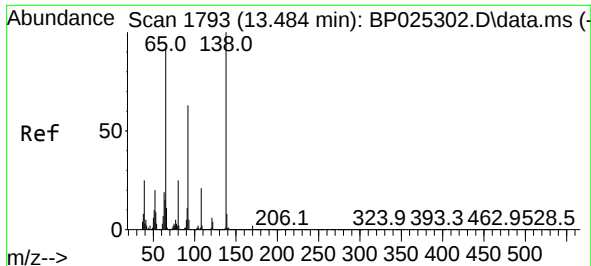
Ion Ratio Lower Upper

172 100

171 34.5 27.9 41.9

170 23.4 18.9 28.3

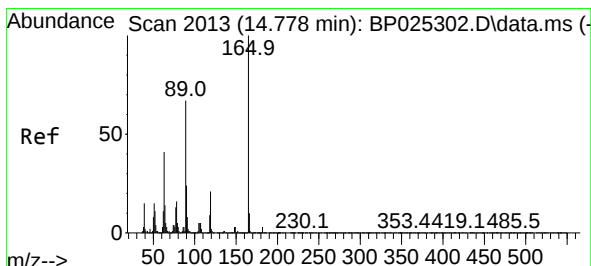
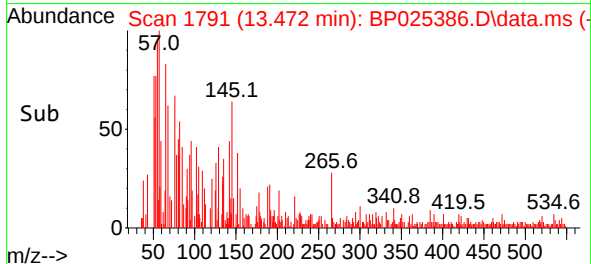
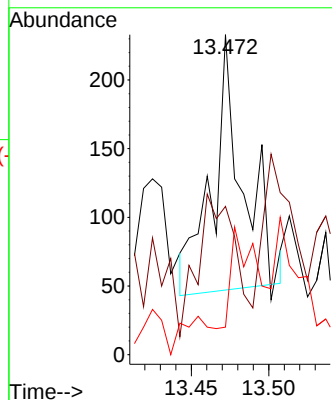
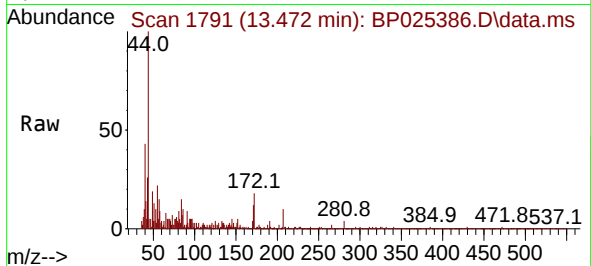




#48
2-Nitroaniline
Concen: 2.995 ng
RT: 13.472 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025386.D
Acq: 13 Aug 2025 16:09

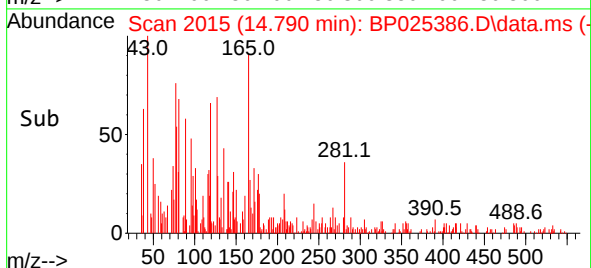
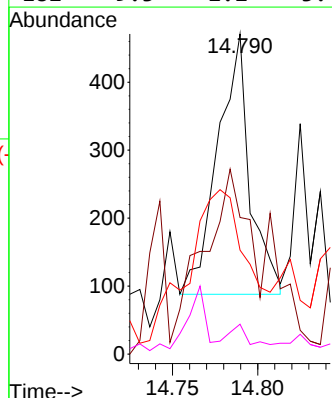
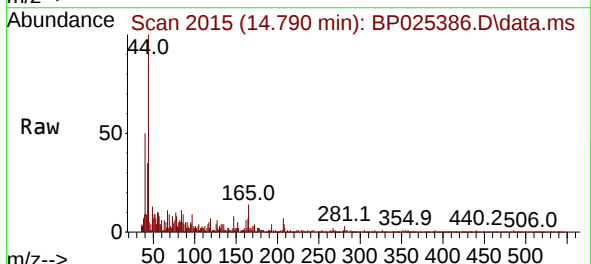
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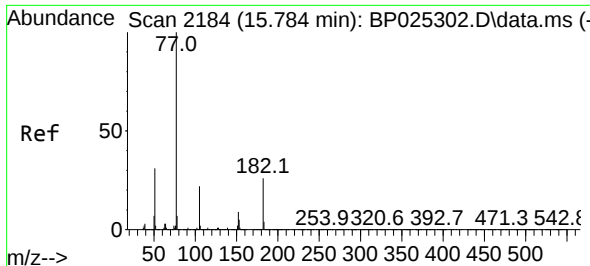
Tgt Ion: 65 Resp: 249
Ion Ratio Lower Upper
65 100
92 46.4 54.4 81.6#
138 41.2 87.0 130.4#



#57
2,4-Dinitrotoluene
Concen: 3.303 ng
RT: 14.790 min Scan# 2015
Delta R.T. 0.012 min
Lab File: BP025386.D
Acq: 13 Aug 2025 16:09

Tgt Ion: 165 Resp: 501
Ion Ratio Lower Upper
165 100
63 42.7 33.2 49.8
89 32.5 53.5 80.3#
182 9.3 2.2 3.4#

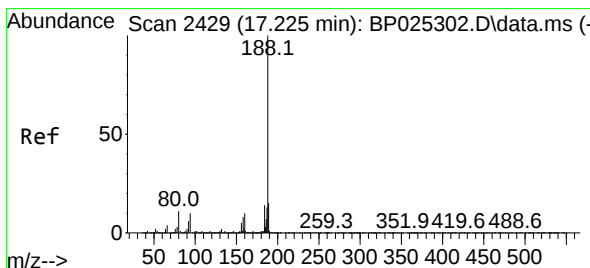
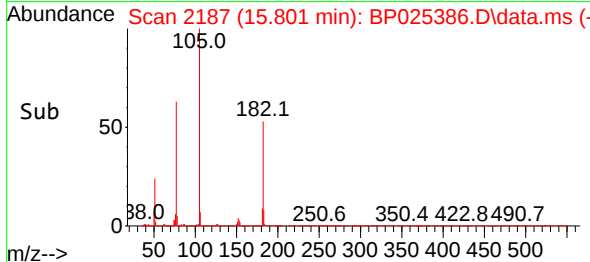
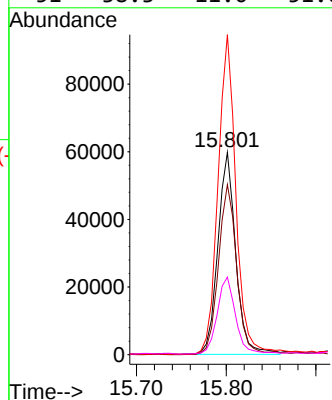
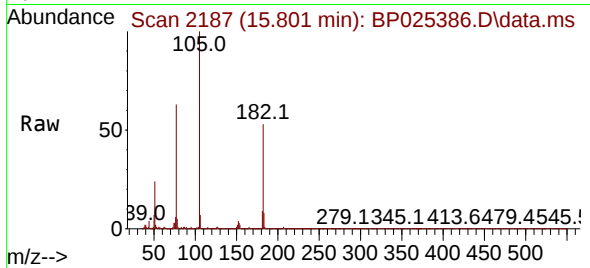




#63
Azobenzene
Concen: 2.615 ng
RT: 15.801 min Scan# 2184
Delta R.T. 0.017 min
Lab File: BP025386.D
Acq: 13 Aug 2025 16:09

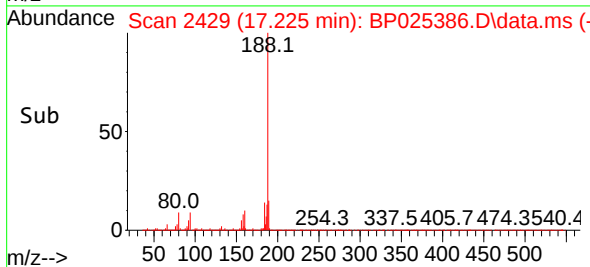
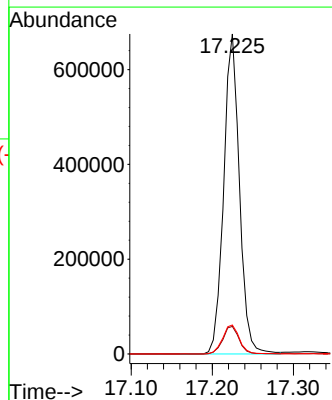
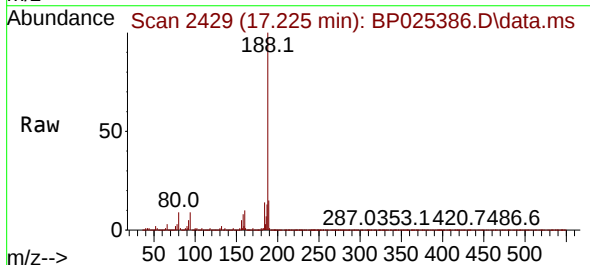
Instrument :
BNA_P
ClientSampleId :
82H-S

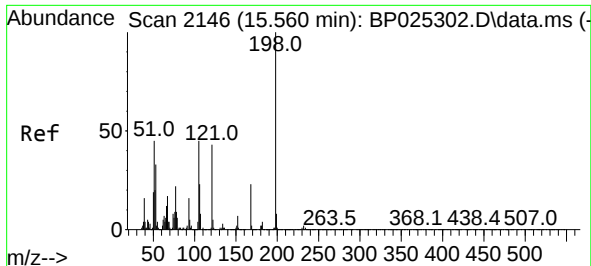
Tgt Ion: 77	Resp: 82866
Ion Ratio	Lower Upper
77 100	
182 84.1	6.0 46.0#
105 158.1	2.1 42.1#
51 38.3	11.0 51.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 2429
Delta R.T. -0.000 min
Lab File: BP025386.D
Acq: 13 Aug 2025 16:09

Tgt Ion: 188	Resp: 911140
Ion Ratio	Lower Upper
188 100	
94 8.6	8.0 12.0
80 9.1	8.5 12.7

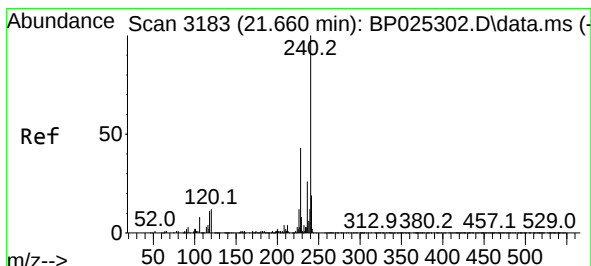
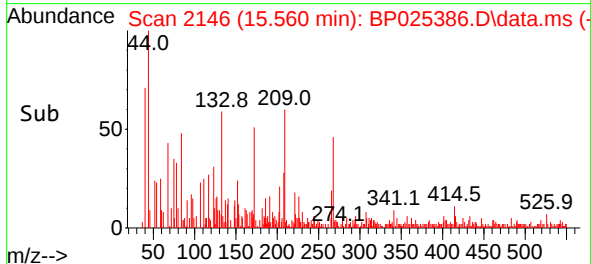
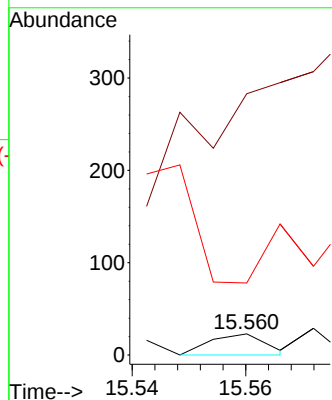
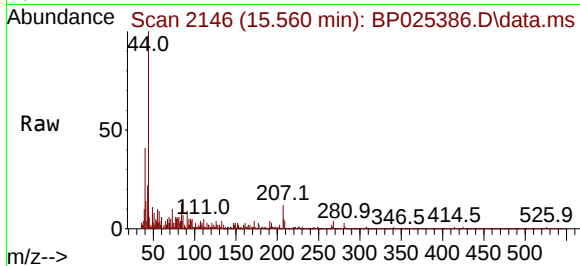




#65
4,6-Dinitro-2-methylphenol
Concen: 4.839 ng
RT: 15.560 min Scan# 2146
Delta R.T. 0.000 min
Lab File: BP025386.D
Acq: 13 Aug 2025 16:09

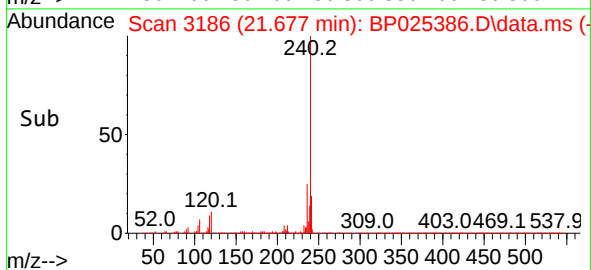
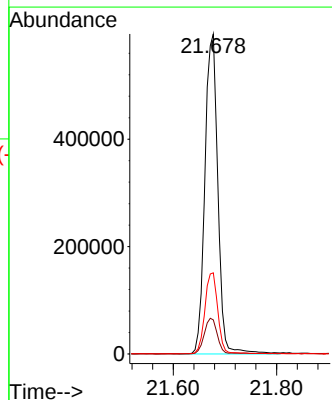
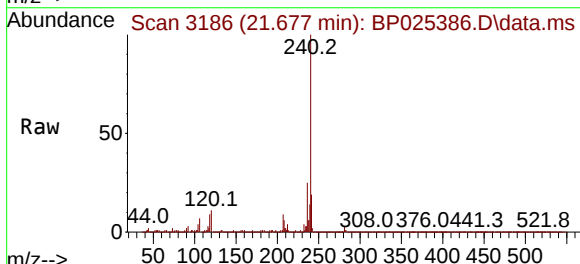
Instrument :
BNA_P
ClientSampleId :
82H-S

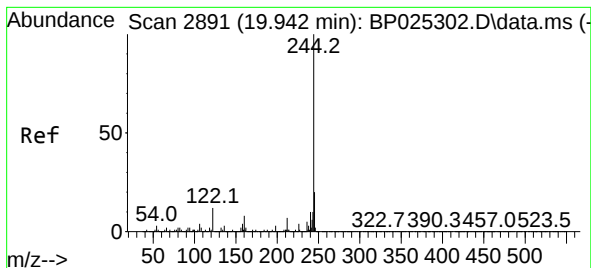
Tgt Ion:198 Resp: 16
Ion Ratio Lower Upper
198 100
51 725.6 26.7 66.7#
105 200.0 25.6 65.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.677 min Scan# 3186
Delta R.T. 0.017 min
Lab File: BP025386.D
Acq: 13 Aug 2025 16:09

Tgt Ion:240 Resp: 1035675
Ion Ratio Lower Upper
240 100
120 10.7 9.6 14.4
236 25.4 20.4 30.6





#79

Terphenyl-d14

Concen: 41.873 ng

RT: 19.954 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP025386.D

Acq: 13 Aug 2025 16:09

Instrument :

BNA_P

ClientSampleId :

82H-S

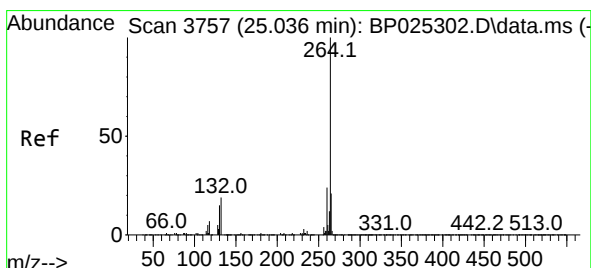
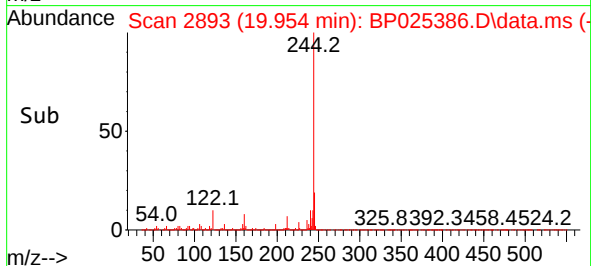
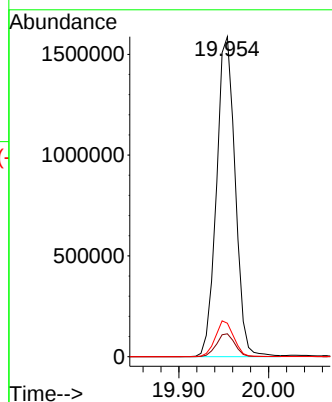
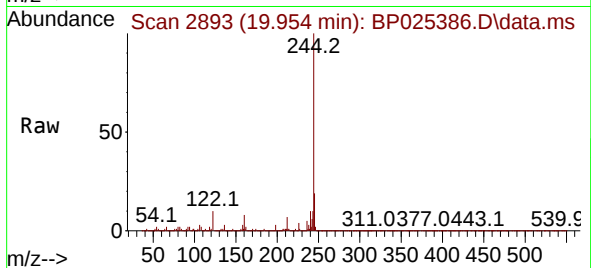
Tgt Ion:244 Resp: 2296040

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

122 10.5 9.5 14.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.060 min Scan# 3761

Delta R.T. 0.024 min

Lab File: BP025386.D

Acq: 13 Aug 2025 16:09

Tgt Ion:264 Resp: 1183878

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 22.2 17.1 25.7

