

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
 Data File : BP025387.D
 Acq On : 13 Aug 2025 16:50
 Operator : CG/JU
 Sample : Q2820-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 82H-N

Quant Time: Aug 13 17:11:54 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)

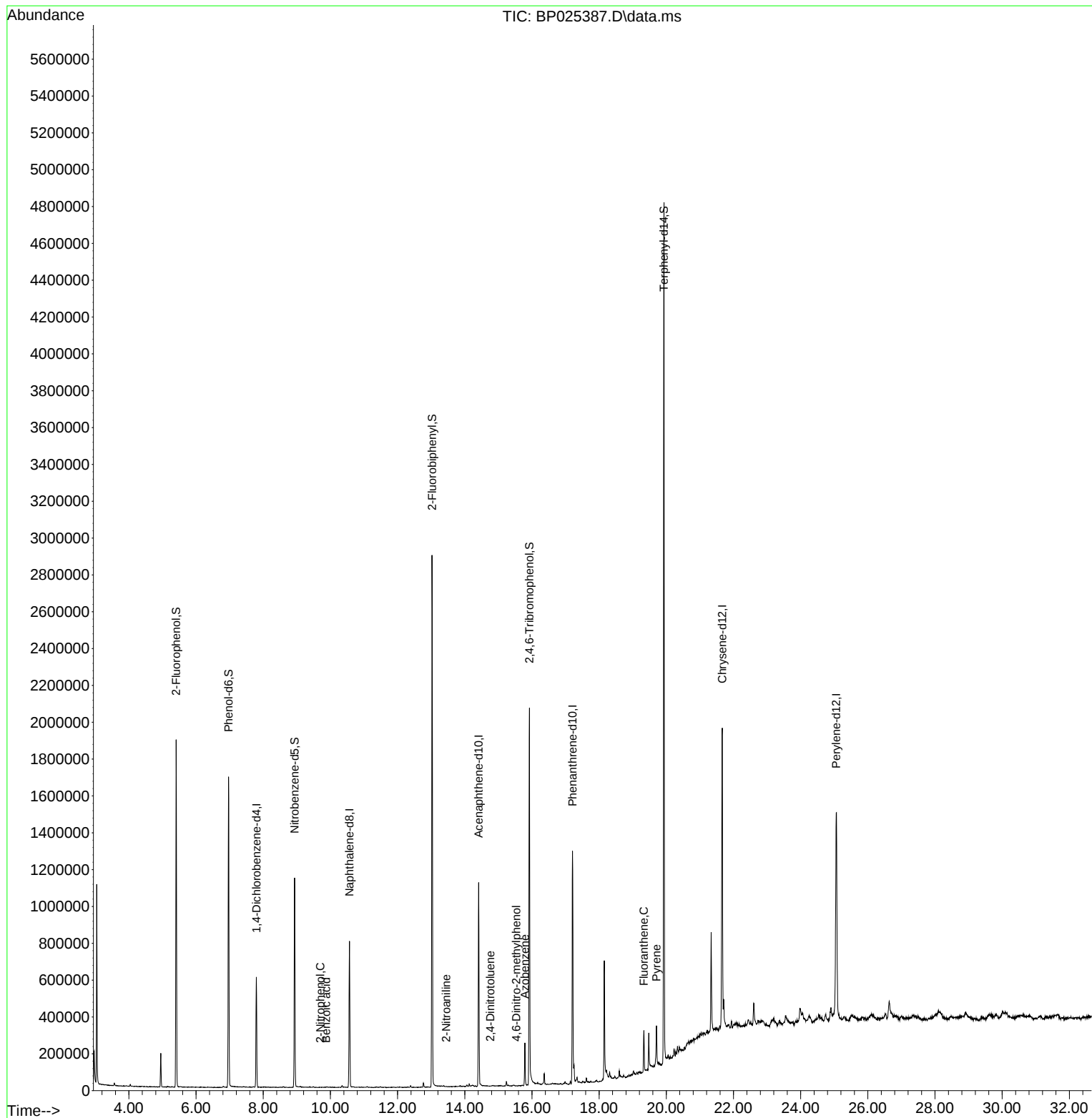
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	177935	20.000	ng	0.00
21) Naphthalene-d8	10.566	136	679453	20.000	ng	0.00
39) Acenaphthene-d10	14.413	164	421690	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	844698	20.000	ng	-0.02
76) Chrysene-d12	21.666	240	1026814	20.000	ng	0.00
86) Perylene-d12	25.060	264	1145461	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	815476	73.711	ng	0.00
7) Phenol-d6	6.966	99	973941	66.892	ng	0.00
23) Nitrobenzene-d5	8.931	82	642226	52.366	ng	-0.01
42) 2,4,6-Tribromophenol	15.925	330	424930	101.009	ng	0.00
45) 2-Fluorobiphenyl	13.025	172	1499283	49.108	ng	0.00
79) Terphenyl-d14	19.930	244	2514493	46.253	ng	-0.01
Target Compounds						
					Qvalue	
26) 2-Nitrophenol	9.696	139	45	3.647	ng	# 1
32) Benzoic acid	9.866	122	260	5.999	ng	# 64
48) 2-Nitroaniline	13.443	65	113	2.979	ng	# 35
57) 2,4-Dinitrotoluene	14.760	165	424	3.300	ng	# 77
63) Azobenzene	15.789	77	64789	2.250	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.537	198	21	4.841	ng	# 1
75) Fluoranthene	19.330	202	155534	2.904	ng	98
78) Pyrene	19.707	202	156861	2.297	ng	98

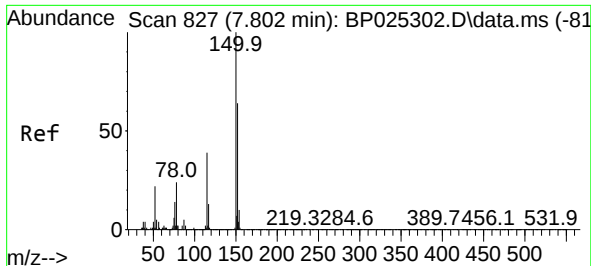
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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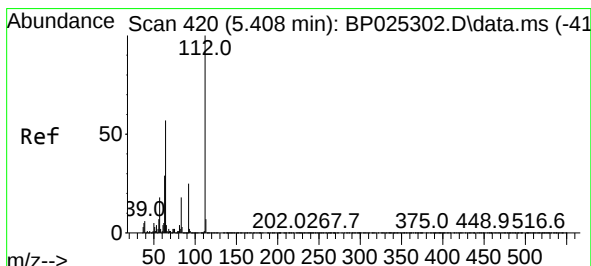
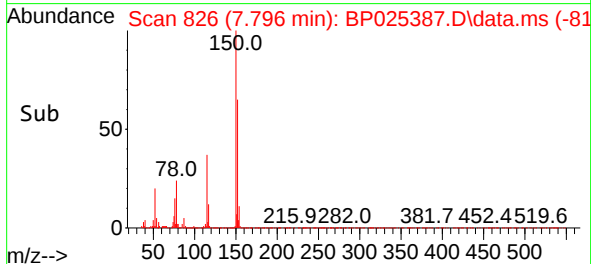
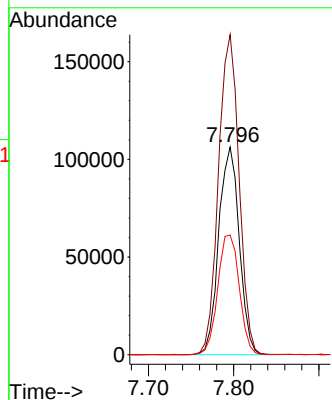
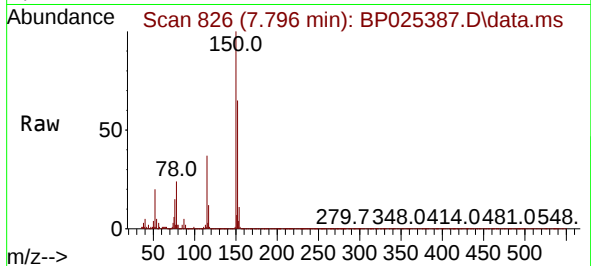




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.796 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025387.D
Acq: 13 Aug 2025 16:50

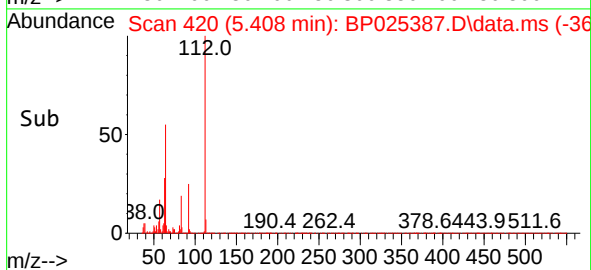
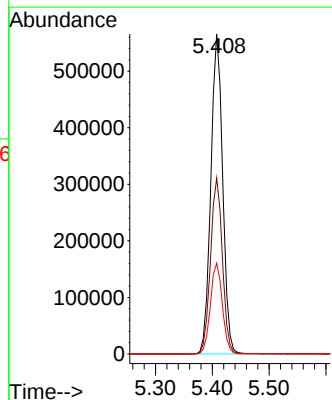
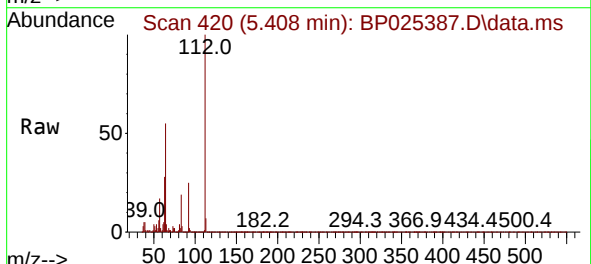
Instrument :
BNA_P
ClientSampleId :
82H-N

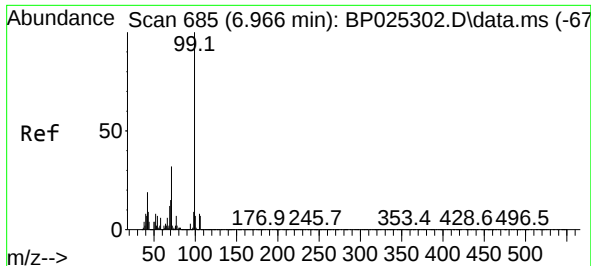
Tgt Ion:152 Resp: 177935
Ion Ratio Lower Upper
152 100
150 154.1 125.1 187.7
115 57.6 48.4 72.6



#5
2-Fluorophenol
Concen: 73.711 ng
RT: 5.408 min Scan# 420
Delta R.T. -0.000 min
Lab File: BP025387.D
Acq: 13 Aug 2025 16:50

Tgt Ion:112 Resp: 815476
Ion Ratio Lower Upper
112 100
64 55.0 45.3 67.9
63 28.3 23.0 34.6

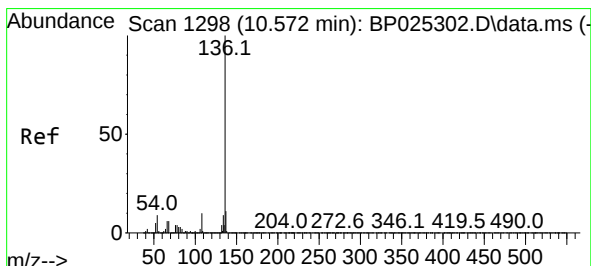
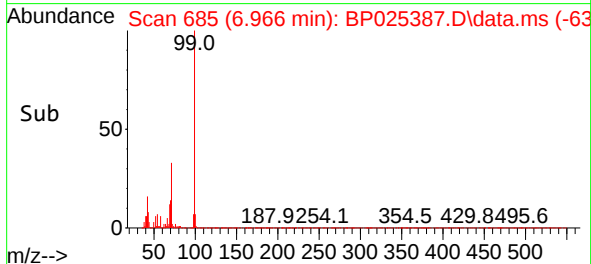
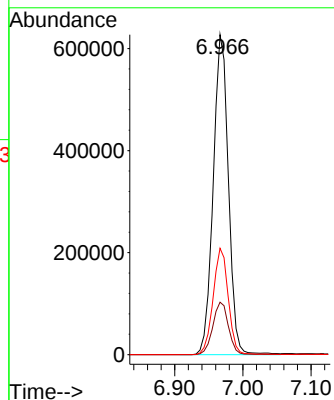
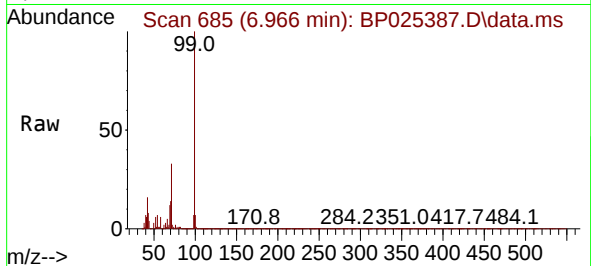




#7
Phenol-d6
Concen: 66.892 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025387.D
Acq: 13 Aug 2025 16:50

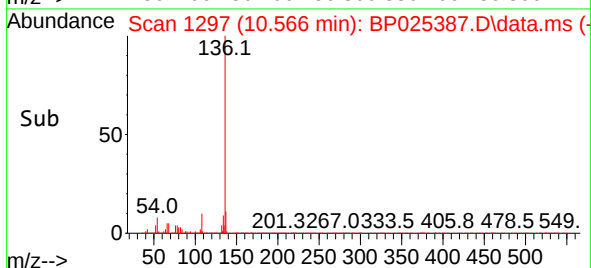
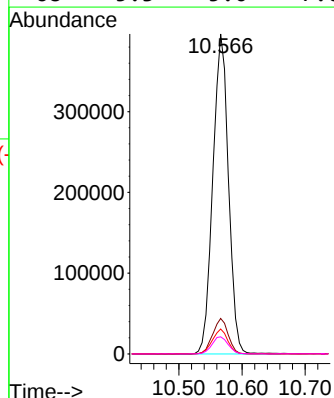
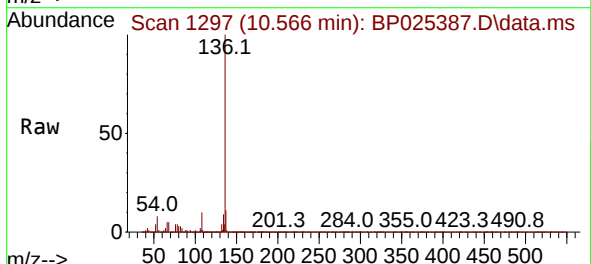
Instrument :
BNA_P
ClientSampleId :
82H-N

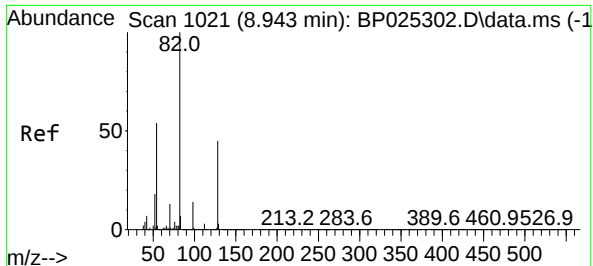
Tgt Ion: 99 Resp: 973941
Ion Ratio Lower Upper
99 100
42 16.4 15.0 22.6
71 33.2 25.5 38.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BP025387.D
Acq: 13 Aug 2025 16:50

Tgt Ion: 136 Resp: 679453
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.8 7.0 10.6
68 5.3 5.0 7.6

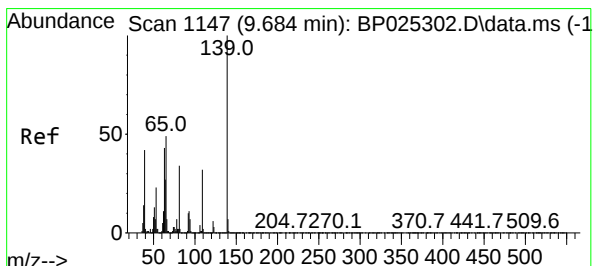
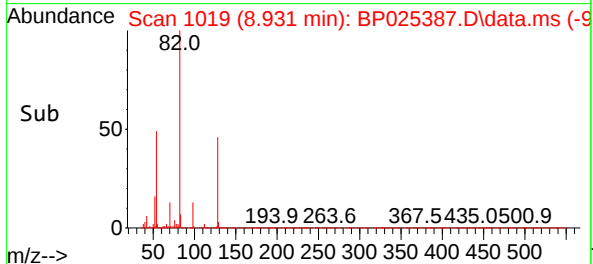
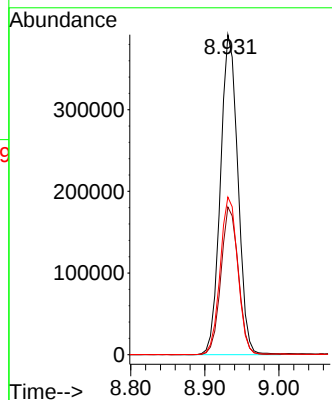
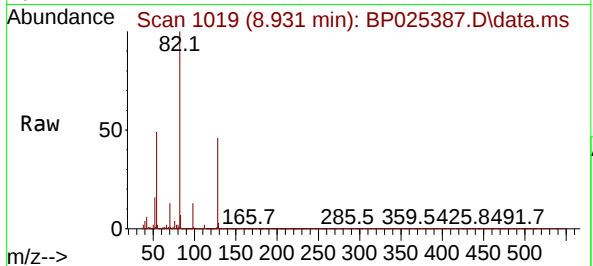




#23
Nitrobenzene-d5
Concen: 52.366 ng
RT: 8.931 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BP025387.D
Acq: 13 Aug 2025 16:50

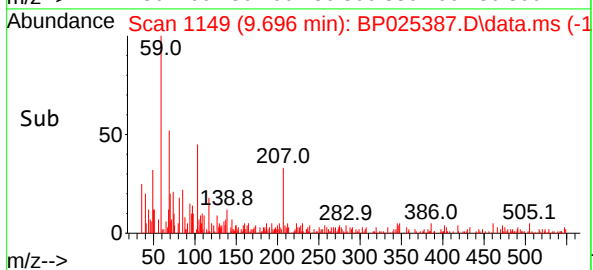
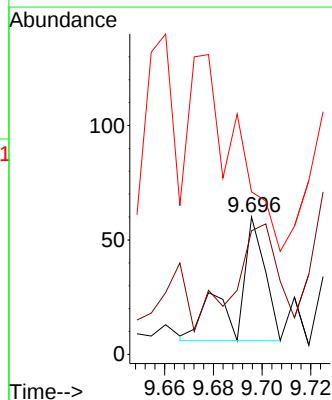
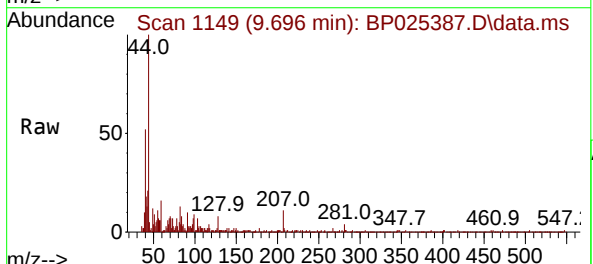
Instrument :
BNA_P
ClientSampleId :
82H-N

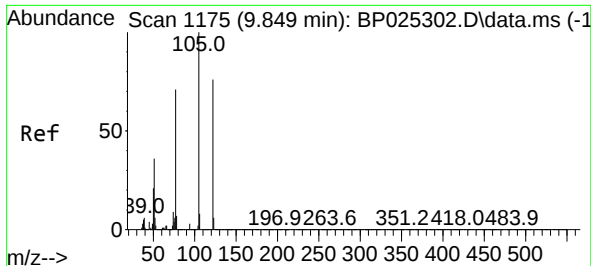
Tgt Ion: 82 Resp: 642226
Ion Ratio Lower Upper
82 100
128 46.2 35.4 53.2
54 49.3 42.9 64.3



#26
2-Nitrophenol
Concen: 3.647 ng
RT: 9.696 min Scan# 1149
Delta R.T. 0.012 min
Lab File: BP025387.D
Acq: 13 Aug 2025 16:50

Tgt Ion:139 Resp: 45
Ion Ratio Lower Upper
139 100
109 90.0 25.2 37.8#
65 118.3 39.6 59.4#

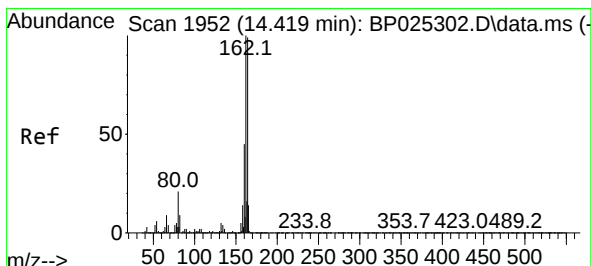
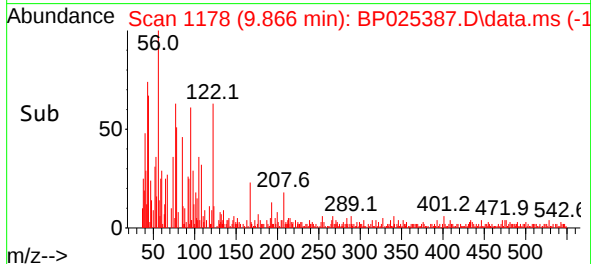
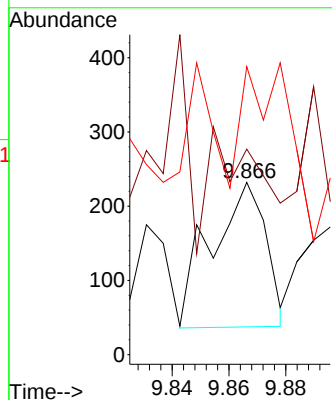
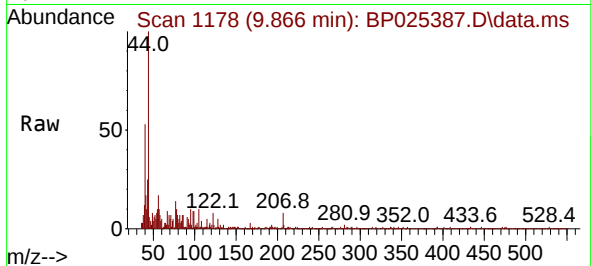




#32
Benzoic acid
Concen: 5.999 ng
RT: 9.866 min Scan# 1175
Delta R.T. 0.017 min
Lab File: BP025387.D
Acq: 13 Aug 2025 16:50

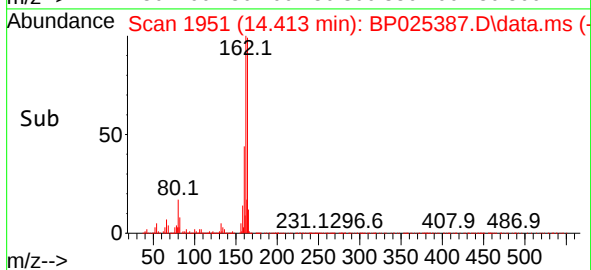
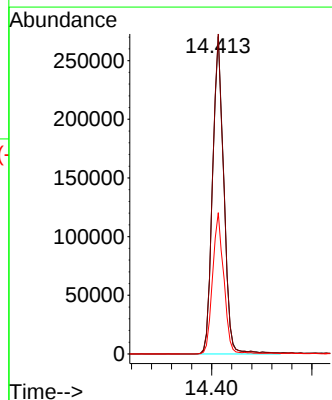
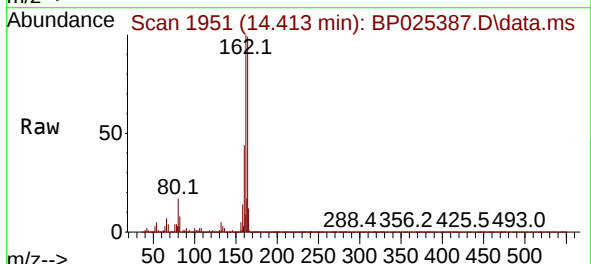
Instrument :
BNA_P
ClientSampleId :
82H-N

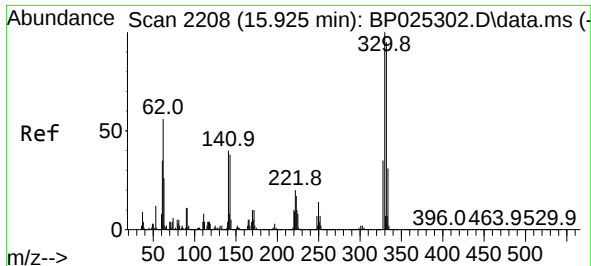
Tgt Ion:122 Resp: 260
Ion Ratio Lower Upper
122 100
105 119.4 104.0 144.0
77 167.2 71.8 111.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BP025387.D
Acq: 13 Aug 2025 16:50

Tgt Ion:164 Resp: 421690
Ion Ratio Lower Upper
164 100
162 100.8 80.6 120.8
160 44.5 35.9 53.9

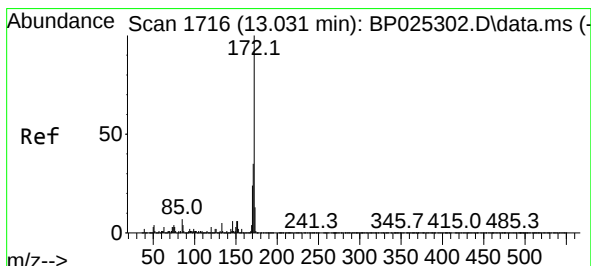
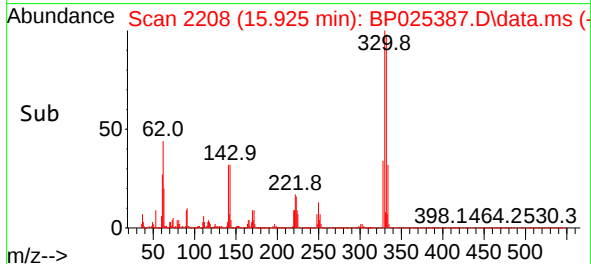
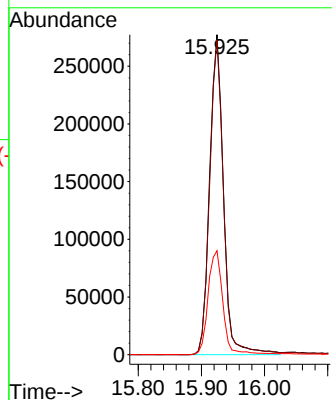
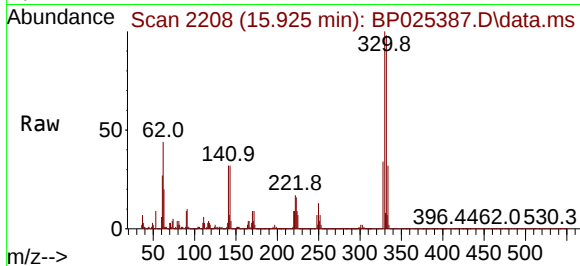




#42
2,4,6-Tribromophenol
Concen: 101.009 ng
RT: 15.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025387.D
Acq: 13 Aug 2025 16:50

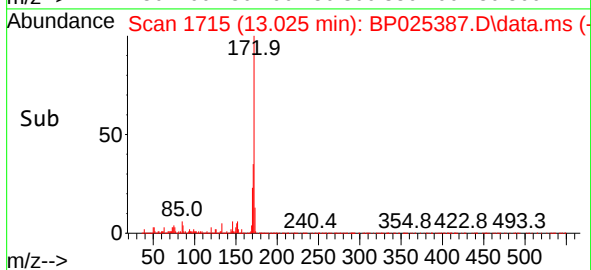
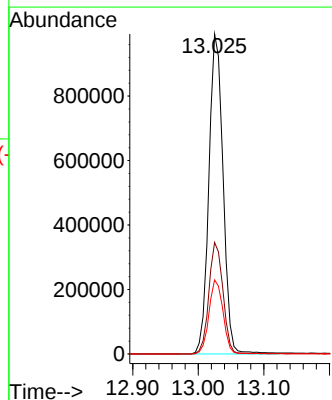
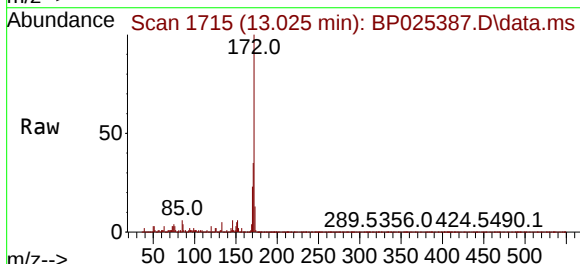
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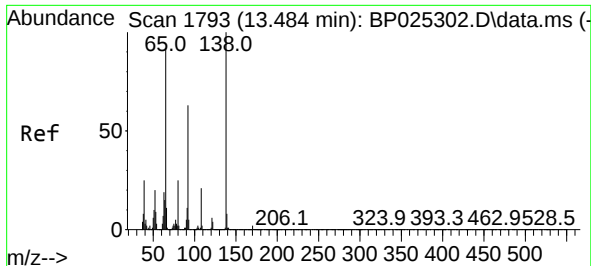
Tgt Ion:330 Resp: 424930
Ion Ratio Lower Upper
330 100
332 98.1 77.4 116.0
141 35.0 31.7 47.5



#45
2-Fluorobiphenyl
Concen: 49.108 ng
RT: 13.025 min Scan# 1715
Delta R.T. -0.006 min
Lab File: BP025387.D
Acq: 13 Aug 2025 16:50

Tgt Ion:172 Resp: 1499283
Ion Ratio Lower Upper
172 100
171 34.8 27.9 41.9
170 23.1 18.9 28.3

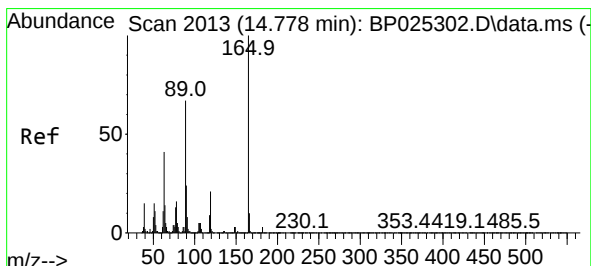
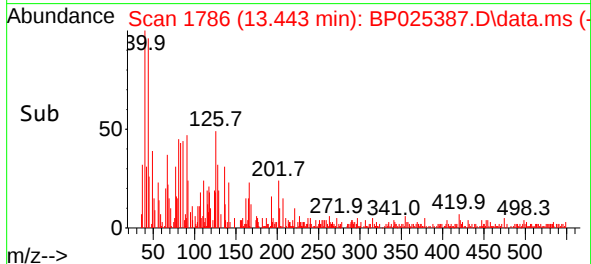
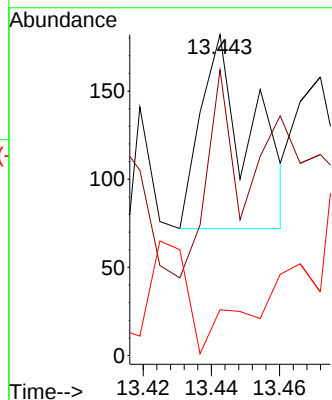
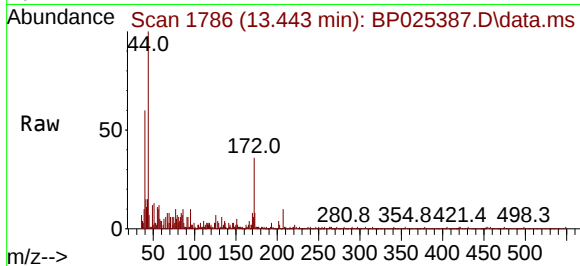




#48
2-Nitroaniline
Concen: 2.979 ng
RT: 13.443 min Scan# 11
Delta R.T. -0.041 min
Lab File: BP025387.D
Acq: 13 Aug 2025 16:50

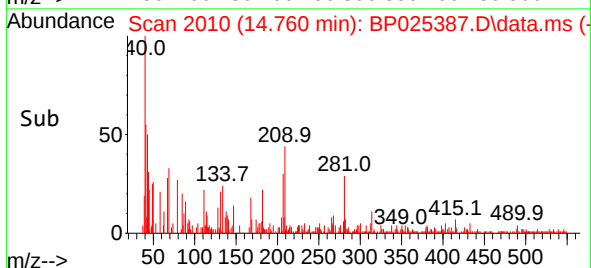
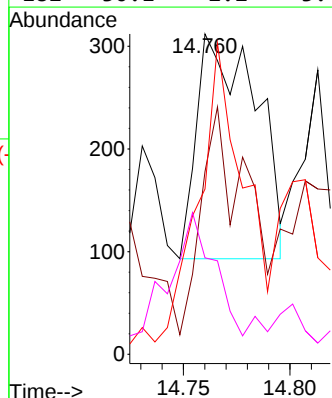
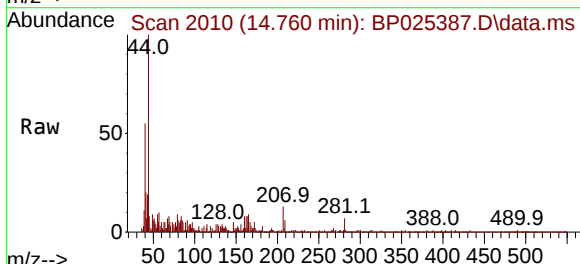
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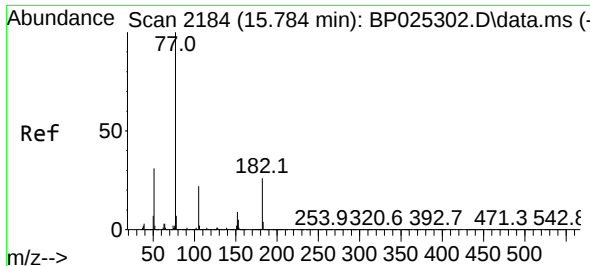
Tgt Ion: 65 Resp: 113
Ion Ratio Lower Upper
65 100
92 89.0 54.4 81.6#
138 14.3 87.0 130.4#



#57
2,4-Dinitrotoluene
Concen: 3.300 ng
RT: 14.760 min Scan# 2010
Delta R.T. -0.018 min
Lab File: BP025387.D
Acq: 13 Aug 2025 16:50

Tgt Ion: 165 Resp: 424
Ion Ratio Lower Upper
165 100
63 57.1 33.2 49.8#
89 51.6 53.5 80.3#
182 30.1 2.2 3.4#

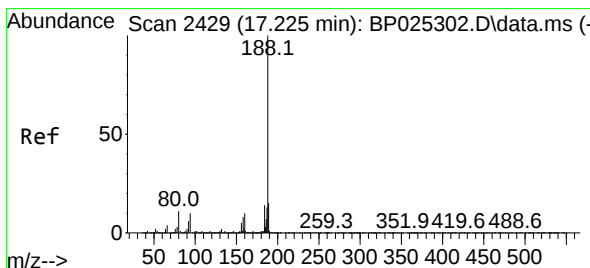
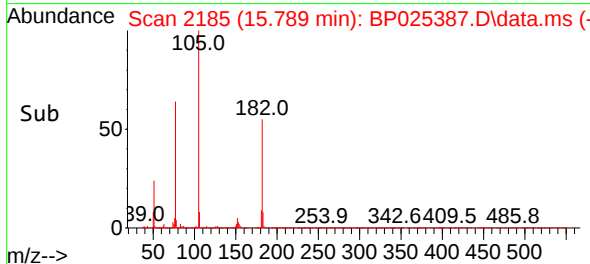
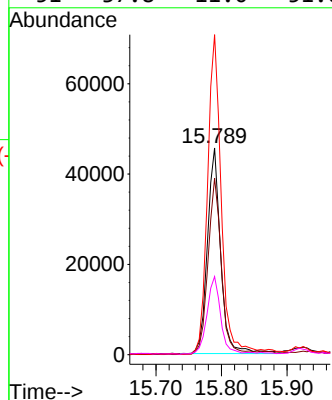
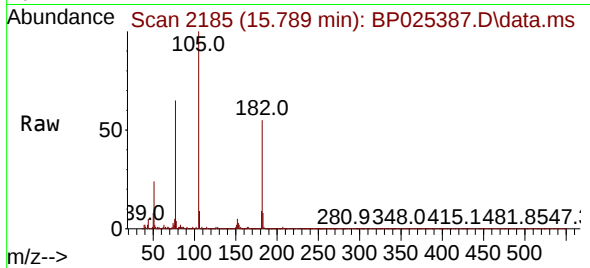




#63
Azobenzene
Concen: 2.250 ng
RT: 15.789 min Scan# 2184
Delta R.T. 0.005 min
Lab File: BP025387.D
Acq: 13 Aug 2025 16:50

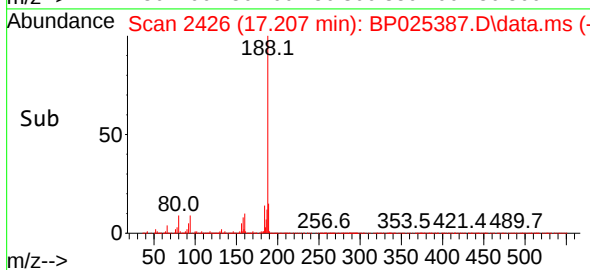
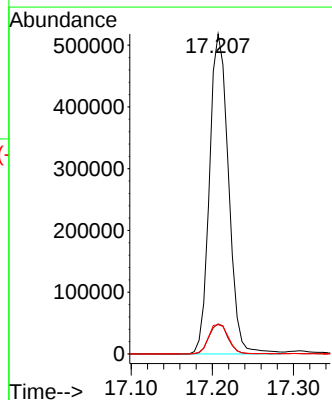
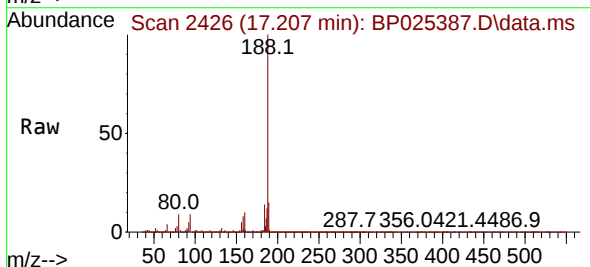
Instrument :
BNA_P
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82H-N

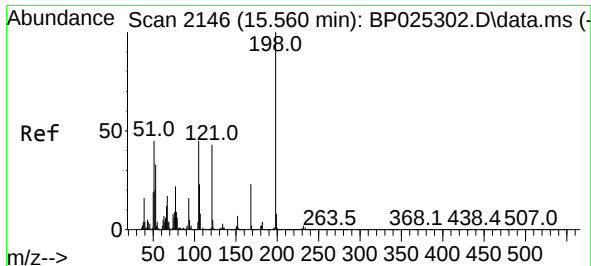
Tgt Ion: 77 Resp: 64789
Ion Ratio Lower Upper
77 100
182 85.5 6.0 46.0#
105 154.8 2.1 42.1#
51 37.8 11.0 51.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2426
Delta R.T. -0.018 min
Lab File: BP025387.D
Acq: 13 Aug 2025 16:50

Tgt Ion:188 Resp: 844698
Ion Ratio Lower Upper
188 100
94 9.4 8.0 12.0
80 9.1 8.5 12.7

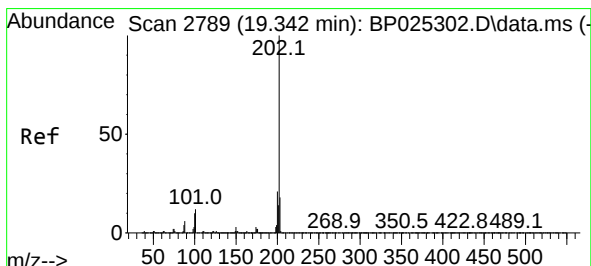
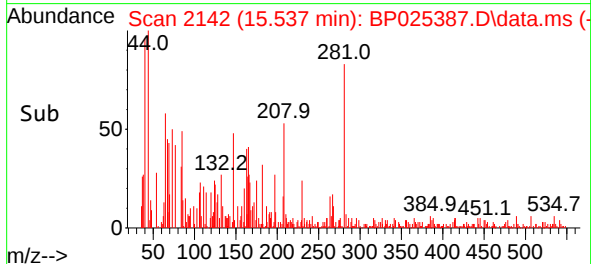
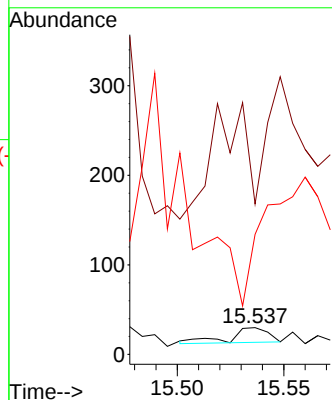
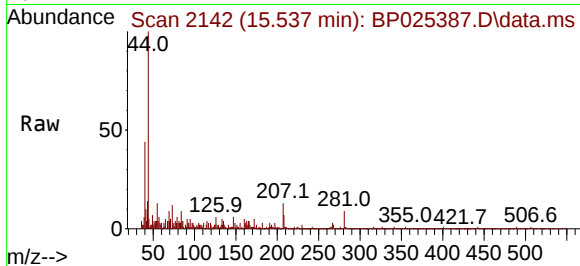




#65
4,6-Dinitro-2-methylphenol
Concen: 4.841 ng
RT: 15.537 min Scan# 21
Delta R.T. -0.023 min
Lab File: BP025387.D
Acq: 13 Aug 2025 16:50

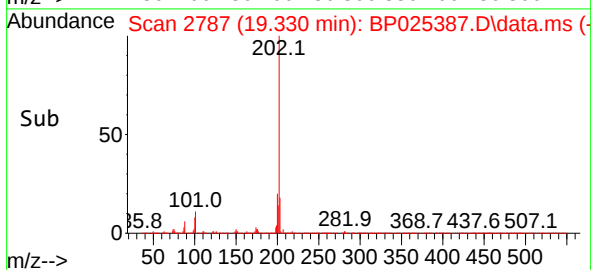
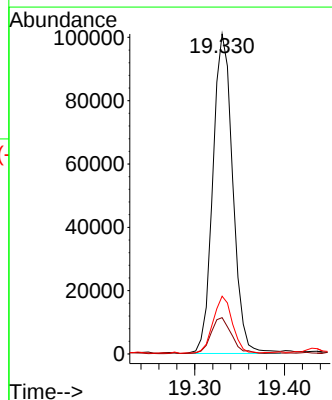
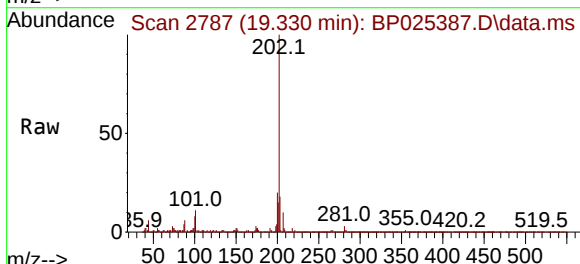
Instrument :
BNA_P
ClientSampleId :
82H-N

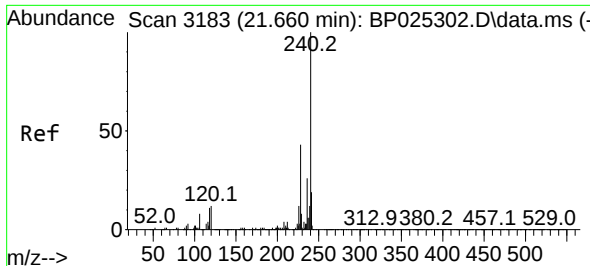
Tgt Ion:198 Resp: 21
Ion Ratio Lower Upper
198 100
51 560.0 26.7 66.7#
105 446.7 25.6 65.6#



#75
Fluoranthene
Concen: 2.904 ng
RT: 19.330 min Scan# 2787
Delta R.T. -0.012 min
Lab File: BP025387.D
Acq: 13 Aug 2025 16:50

Tgt Ion:202 Resp: 155534
Ion Ratio Lower Upper
202 100
101 11.4 0.0 32.5
203 18.0 0.0 37.6

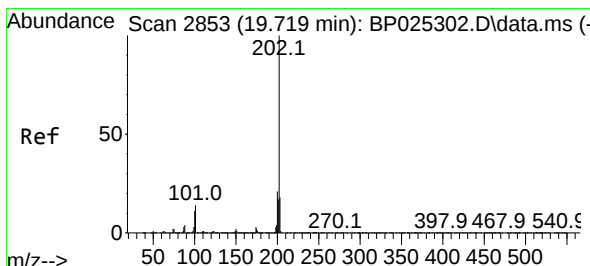
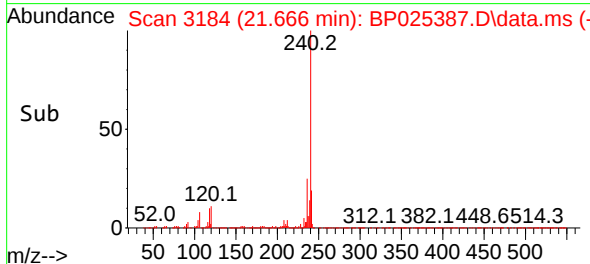
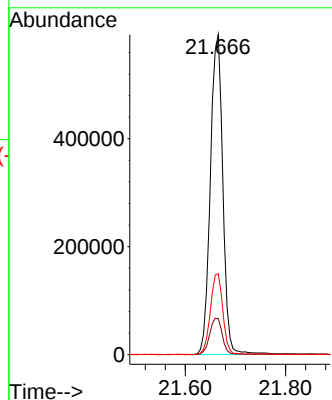
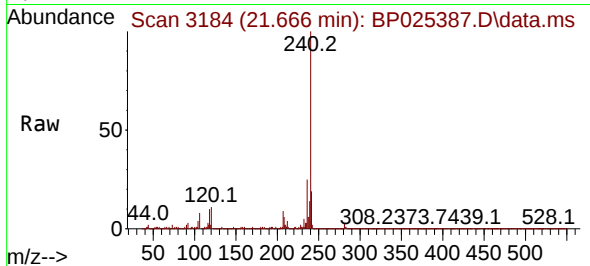




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.666 min Scan# 3183
Delta R.T. 0.006 min
Lab File: BP025387.D
Acq: 13 Aug 2025 16:50

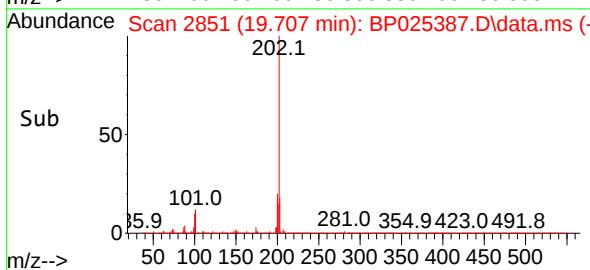
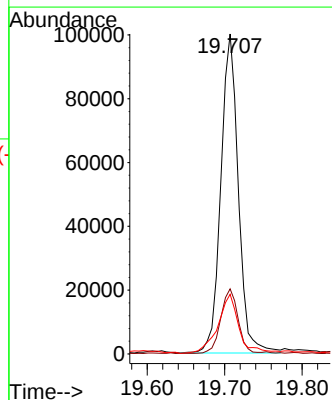
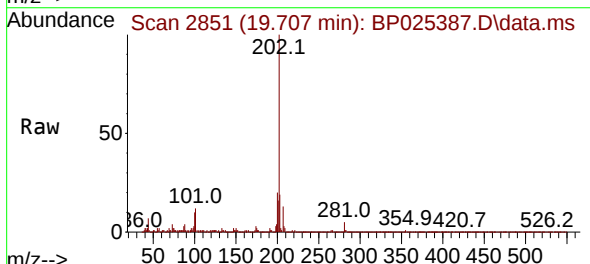
Instrument :
BNA_P
ClientSampleId :
82H-N

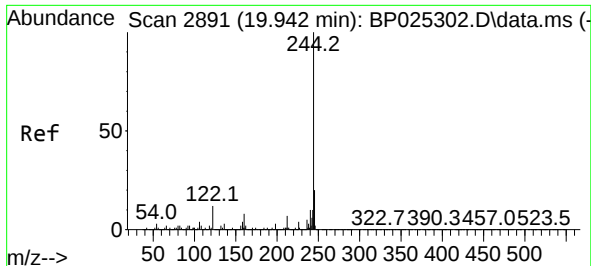
Tgt Ion:240 Resp: 1026814
Ion Ratio Lower Upper
240 100
120 11.3 9.6 14.4
236 25.3 20.4 30.6



#78
Pyrene
Concen: 2.297 ng
RT: 19.707 min Scan# 2851
Delta R.T. -0.012 min
Lab File: BP025387.D
Acq: 13 Aug 2025 16:50

Tgt Ion:202 Resp: 156861
Ion Ratio Lower Upper
202 100
200 20.3 16.7 25.1
203 18.6 14.1 21.1

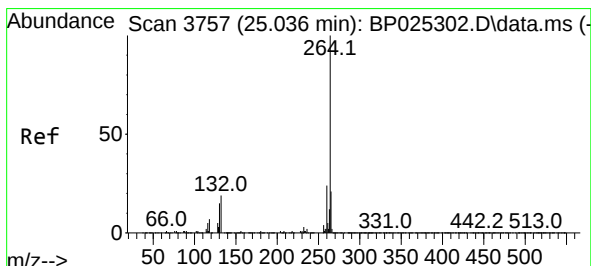
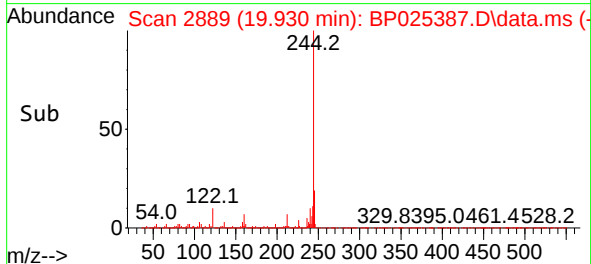
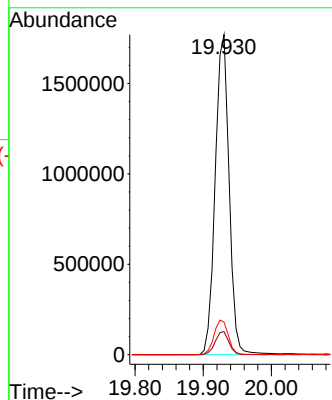
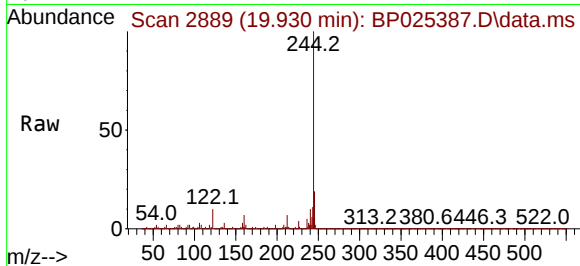




#79
 Terphenyl-d14
 Concen: 46.253 ng
 RT: 19.930 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BP025387.D
 Acq: 13 Aug 2025 16:50

Instrument :
 BNA_P
 ClientSampleId :
 82H-N

Tgt Ion:244 Resp: 2514493
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 10.2 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: BP025387.D
 Acq: 13 Aug 2025 16:50

Tgt Ion:264 Resp: 1145461
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.2 28.8
 265 21.9 17.1 25.7

