

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072425\
 Data File : BP025242.D
 Acq On : 24 Jul 2025 14:46
 Operator : CG/JU
 Sample : Q2481-17 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CC0267-OXPL

Quant Time: Jul 24 15:34:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP072125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 22 02:55:21 2025
 Response via : Initial Calibration

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

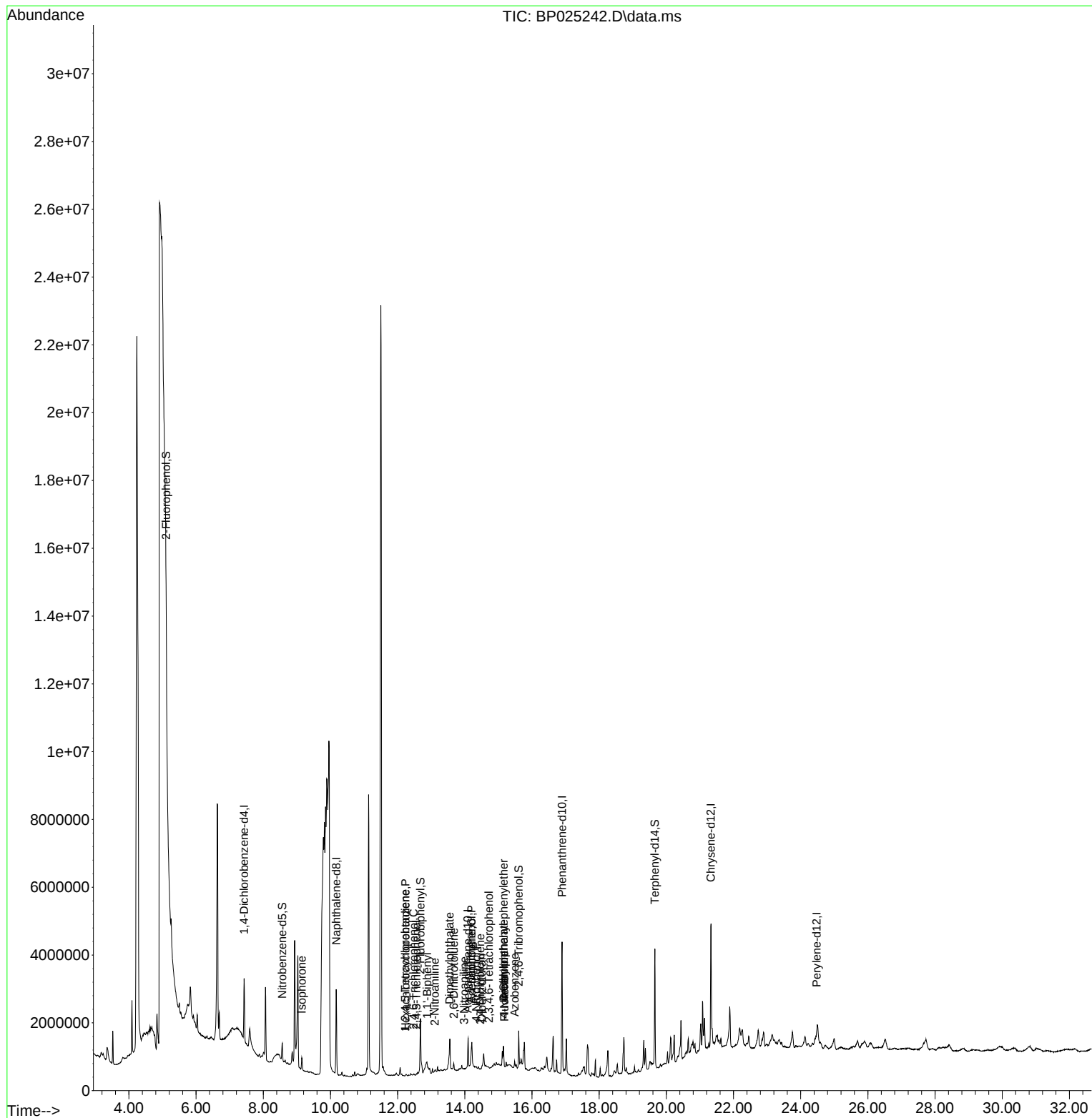
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.431	152	513506	20.000	ng	0.00
21) Naphthalene-d8	10.172	136	1840841	20.000	ng	0.00
39) Acenaphthene-d10	14.083	164	2161	20.000	ng	# 0.00
64) Phenanthrene-d10	16.895	188	2197833	20.000	ng	0.00
76) Chrysene-d12	21.324	240	1885587	20.000	ng	0.00
86) Perylene-d12	24.477	264	52055	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.107	112	131775	4.336	ng	0.00
7) Phenol-d6	6.643	99	13082	0.348	ng	0.00
23) Nitrobenzene-d5	8.566	82	290561	8.772	ng	0.00
42) 2,4,6-Tribromophenol	15.607	330	187244	5877.473	ng	0.00
45) 2-Fluorobiphenyl	12.678	172	740670	4832.056	ng	0.00
79) Terphenyl-d14	19.660	244	1077720	11.283	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	9.148	82	272801	4.683	ng	97
40) 1,2,4,5-Tetrachloroben...	12.225	216	365	5.635	ng	# 42
41) Hexachlorocyclopentadiene	12.231	237	354	9.155	ng	80
43) 2,4,6-Trichlorophenol	12.478	196	227	5.129	ng	# 45
44) 2,4,5-Trichlorophenol	12.560	196	203	4.168	ng	# 1
46) 1,1'-Biphenyl	12.878	154	33140	211.547	ng	96
48) 2-Nitroaniline	13.107	65	758	24.269	ng	# 49
50) Dimethylphthalate	13.542	163	2996	19.386	ng	# 39
51) 2,6-Dinitrotoluene	13.672	165	816	24.300	ng	# 1
52) Acenaphthene	14.195	154	1216	10.630	ng	# 43
53) 3-Nitroaniline	13.983	138	422	11.144	ng	# 53
54) 2,4-Dinitrophenol	14.195	184	377	18.948	ng	# 1
55) Dibenzofuran	14.507	168	410	2.219	ng	# 1
56) 4-Nitrophenol	14.342	139	675	20.830	ng	# 44
57) 2,4-Dinitrotoluene	14.460	165	273	5.808	ng	# 1
58) Fluorene	15.178	166	865	5.897	ng	# 1
59) 2,3,4,6-Tetrachlorophenol	14.719	232	217	5.034	ng	# 27
60) Diethylphthalate	15.154	149	8936	58.664	ng	93
61) 4-Chlorophenyl-phenyle...	15.154	204	1220	16.459	ng	# 1
62) 4-Nitroaniline	15.172	138	319	8.283	ng	# 63
63) Azobenzene	15.483	77	52391	422.069	ng	# 1

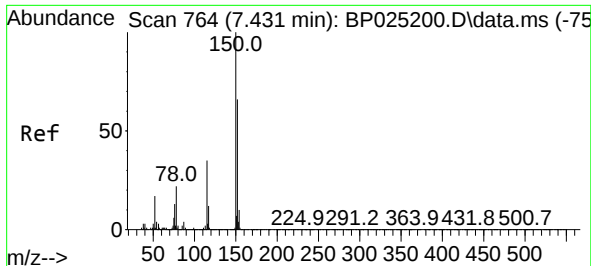
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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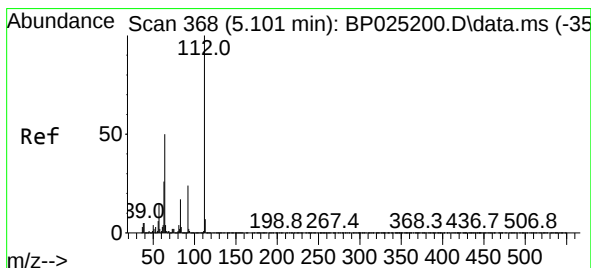
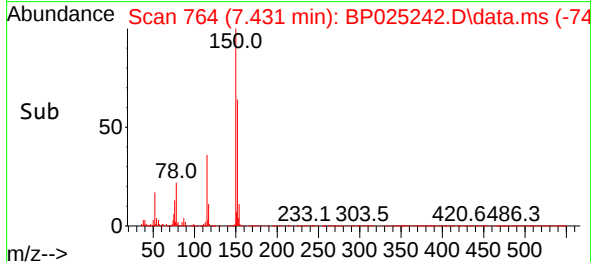
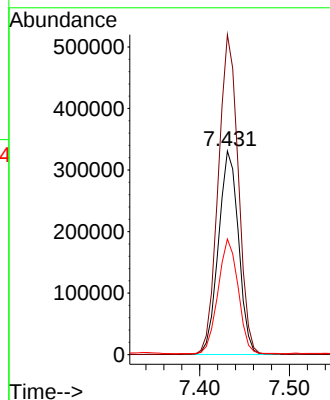
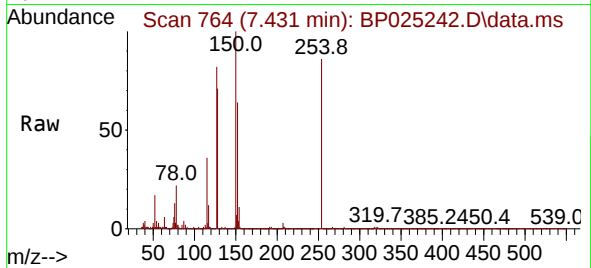




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.431 min Scan# 764
Delta R.T. -0.000 min
Lab File: BP025242.D
Acq: 24 Jul 2025 14:46

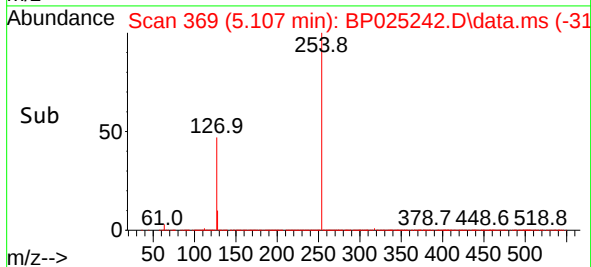
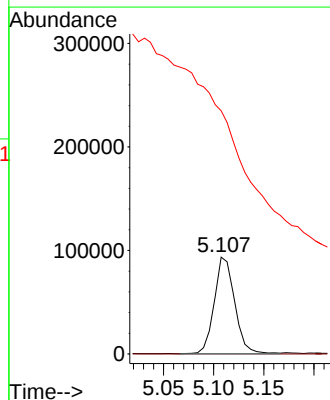
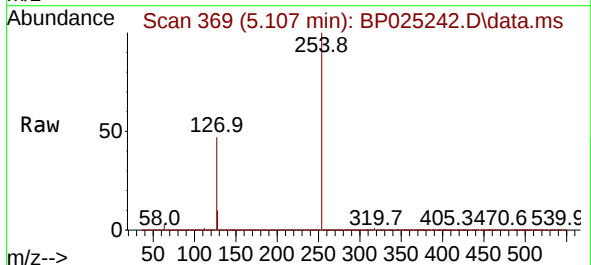
Instrument :
BNA_P
ClientSampleId :
CC0267-OXPL

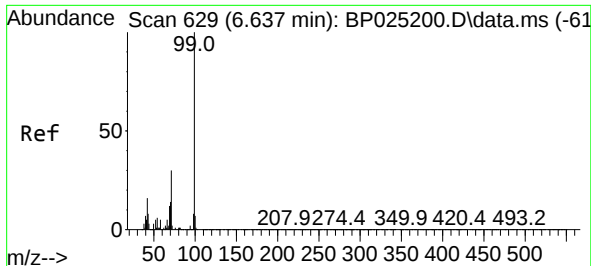
Tgt Ion:152 Resp: 513506
Ion Ratio Lower Upper
152 100
150 157.1 121.9 182.9
115 56.8 43.0 64.6



#5
2-Fluorophenol
Concen: 4.336 ng
RT: 5.107 min Scan# 369
Delta R.T. 0.006 min
Lab File: BP025242.D
Acq: 24 Jul 2025 14:46

Tgt Ion:112 Resp: 131775
Ion Ratio Lower Upper
112 100
64 0.0 39.8 59.6#
63 251.1 20.5 30.7#

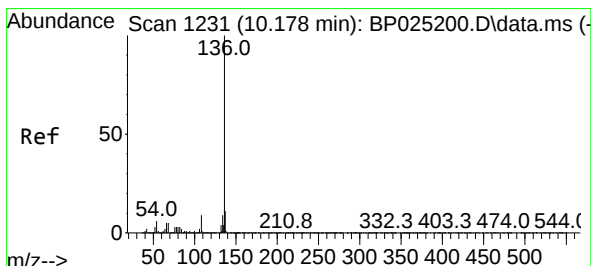
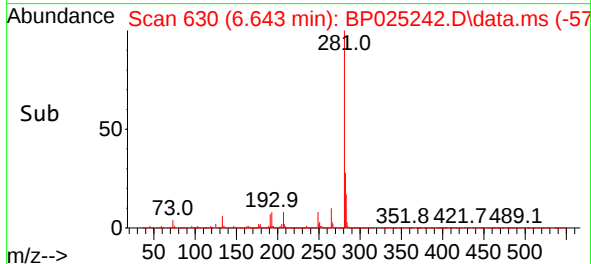
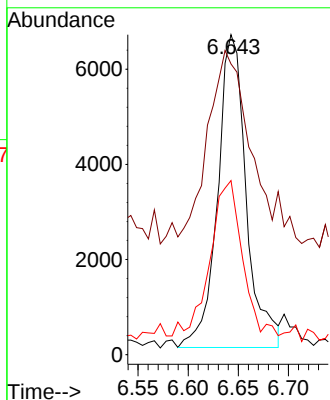
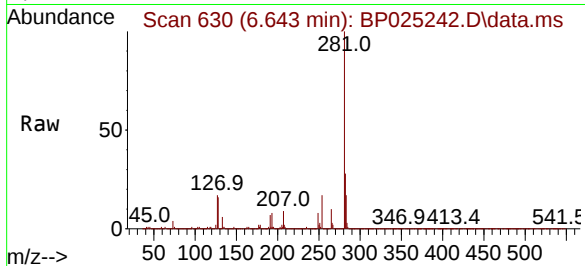




#7
Phenol-d6
Concen: 0.348 ng
RT: 6.643 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP025242.D
Acq: 24 Jul 2025 14:46

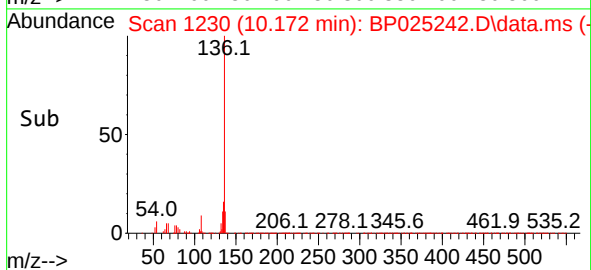
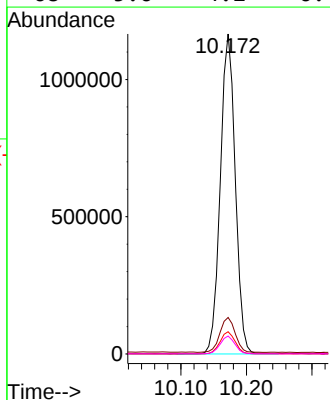
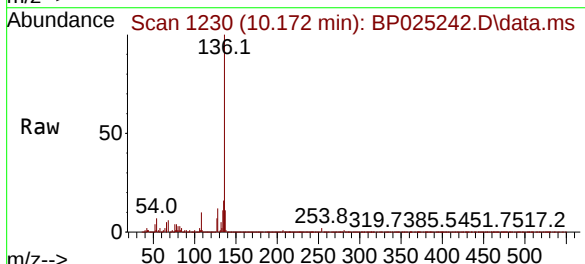
Instrument :
BNA_P
ClientSampleId :
CC0267-OXPL

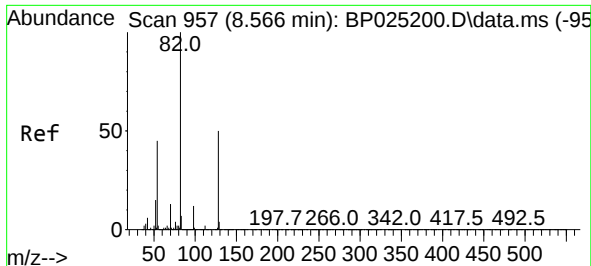
Tgt Ion: 99 Resp: 13082
Ion Ratio Lower Upper
99 100
42 90.8 12.5 18.7#
71 54.4 24.2 36.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.172 min Scan# 1230
Delta R.T. -0.006 min
Lab File: BP025242.D
Acq: 24 Jul 2025 14:46

Tgt Ion:136 Resp: 1840841
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 7.0 5.1 7.7
68 5.6 4.2 6.4

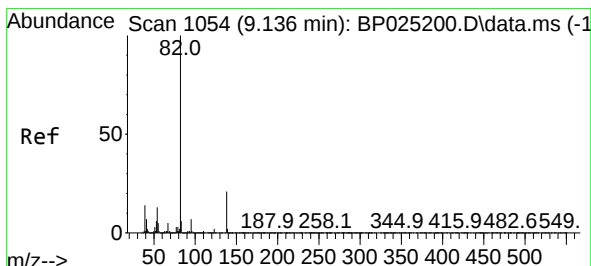
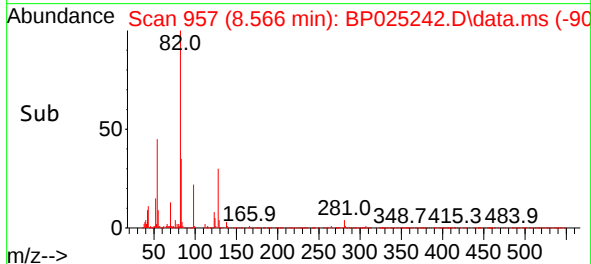
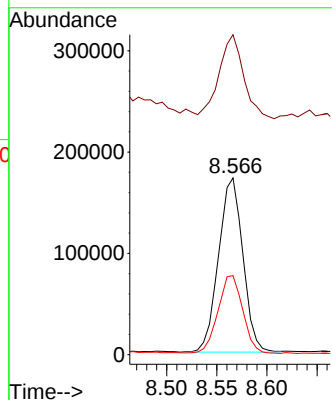
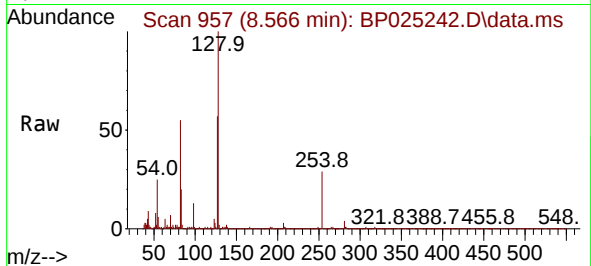




#23
Nitrobenzene-d5
Concen: 8.772 ng
RT: 8.566 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP025242.D
Acq: 24 Jul 2025 14:46

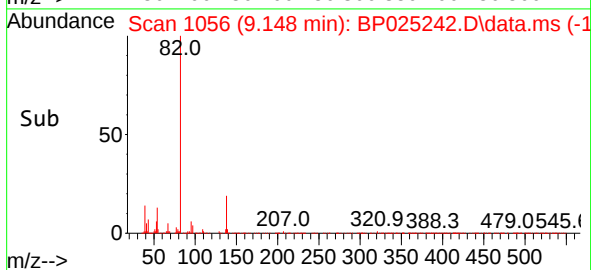
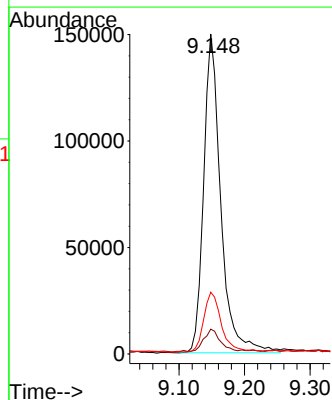
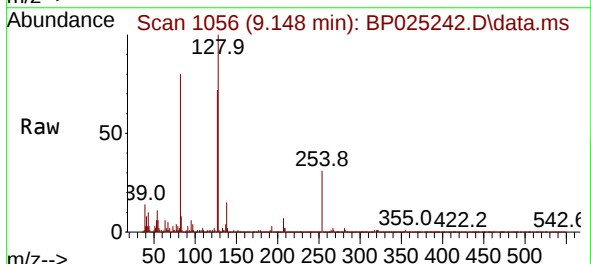
Instrument :
BNA_P
ClientSampleId :
CC0267-OXPL

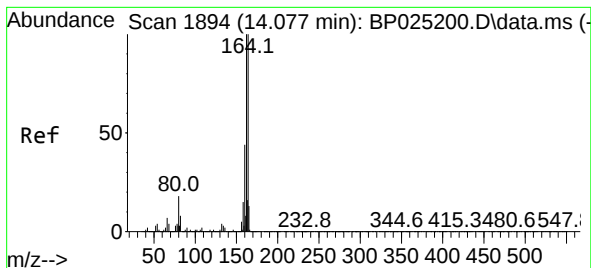
Tgt Ion: 82 Resp: 290561
Ion Ratio Lower Upper
82 100
128 180.9 40.2 60.4#
54 44.7 36.3 54.5



#25
Isophorone
Concen: 4.683 ng
RT: 9.148 min Scan# 1056
Delta R.T. 0.012 min
Lab File: BP025242.D
Acq: 24 Jul 2025 14:46

Tgt Ion: 82 Resp: 272801
Ion Ratio Lower Upper
82 100
95 7.7 5.6 8.4
138 19.3 16.6 25.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.083 min Scan# 1895

Delta R.T. 0.006 min

Lab File: BP025242.D

Acq: 24 Jul 2025 14:46

Instrument :

BNA_P

ClientSampleId :

CC0267-OXPL

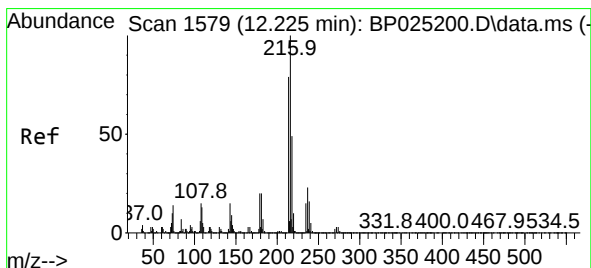
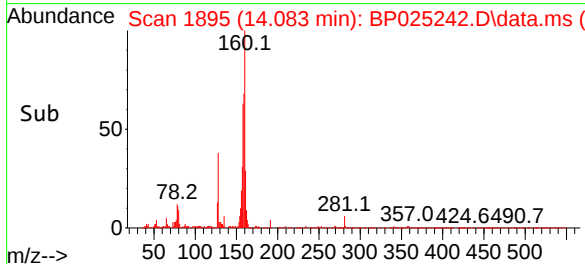
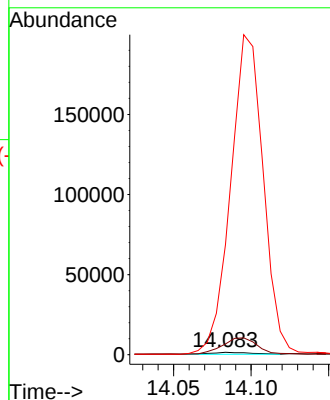
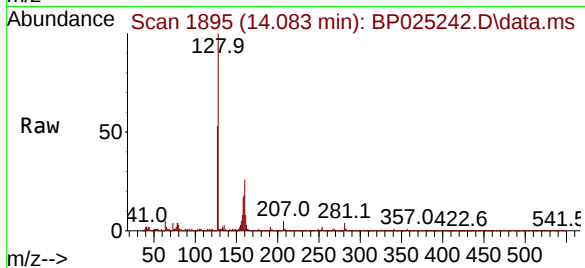
Tgt Ion:164 Resp: 2161

Ion Ratio Lower Upper

164 100

162 450.8 80.3 120.5#

160 4602.3 35.7 53.5#



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.635 ng

RT: 12.225 min Scan# 1579

Delta R.T. 0.000 min

Lab File: BP025242.D

Acq: 24 Jul 2025 14:46

Tgt Ion:216 Resp: 365

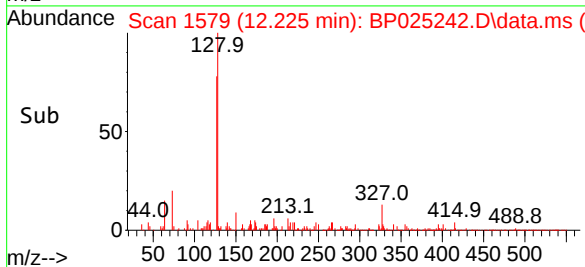
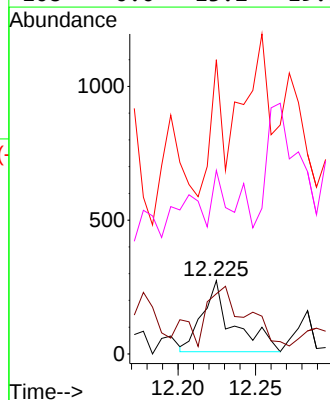
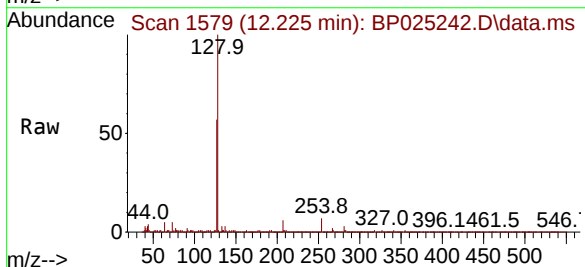
Ion Ratio Lower Upper

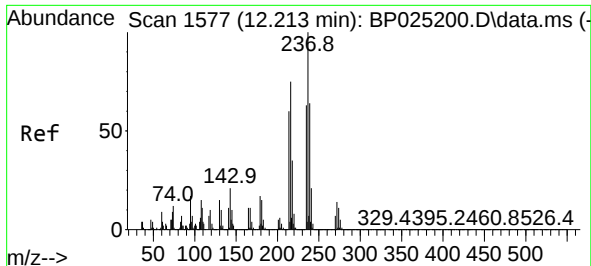
216 100

214 121.6 62.7 94.1#

179 69.9 16.2 24.4#

108 0.0 13.2 19.8#

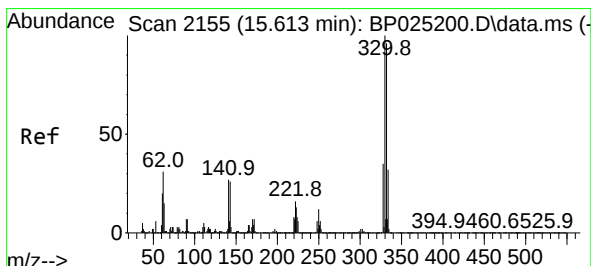
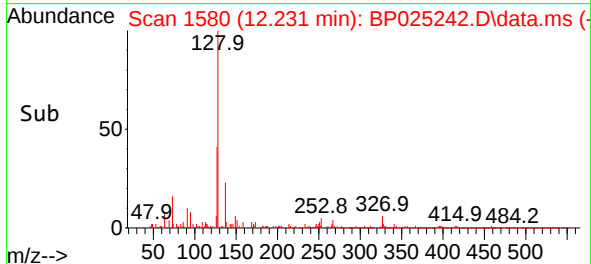
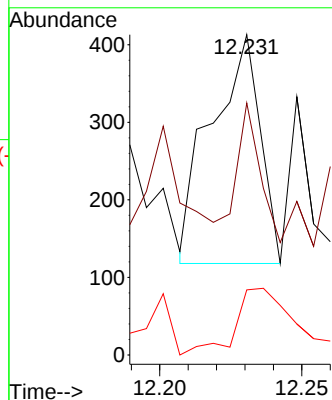
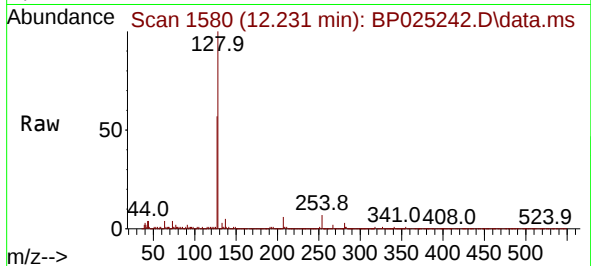




#41
Hexachlorocyclopentadiene
Concen: 9.155 ng
RT: 12.231 min Scan# 11
Delta R.T. 0.018 min
Lab File: BP025242.D
Acq: 24 Jul 2025 14:46

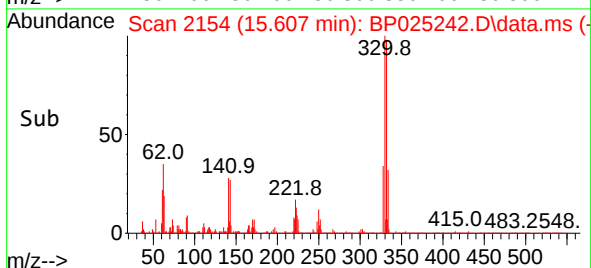
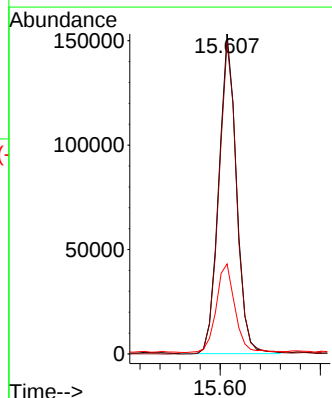
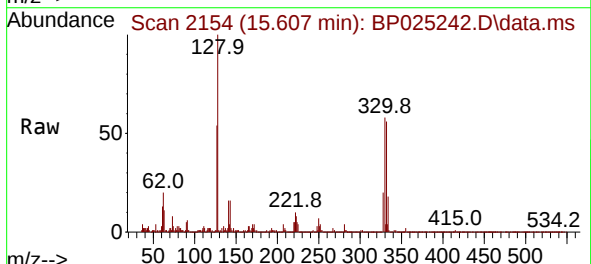
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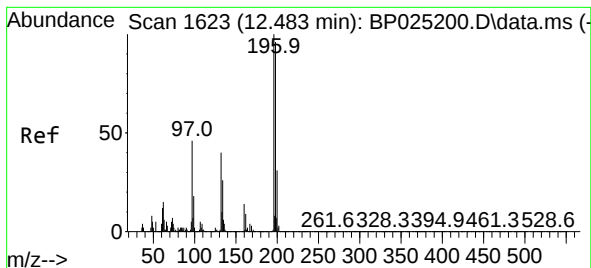
Tgt Ion:237 Resp: 354
Ion Ratio Lower Upper
237 100
235 78.7 42.7 82.7
272 20.3 0.0 33.6



#42
2,4,6-Tribromophenol
Concen: 5877.473 ng
RT: 15.607 min Scan# 2154
Delta R.T. -0.006 min
Lab File: BP025242.D
Acq: 24 Jul 2025 14:46

Tgt Ion:330 Resp: 187244
Ion Ratio Lower Upper
330 100
332 98.2 77.1 115.7
141 29.4 22.4 33.6





#43

2,4,6-Trichlorophenol

Concen: 5.129 ng

RT: 12.478 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP025242.D

Acq: 24 Jul 2025 14:46

Instrument :

BNA_P

ClientSampleId :

CC0267-OXPL

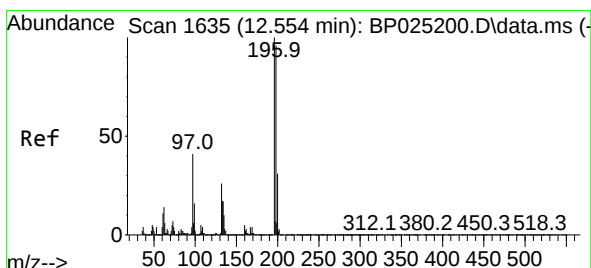
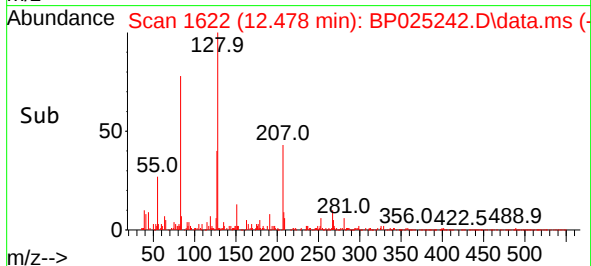
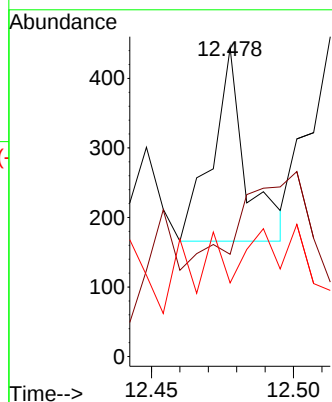
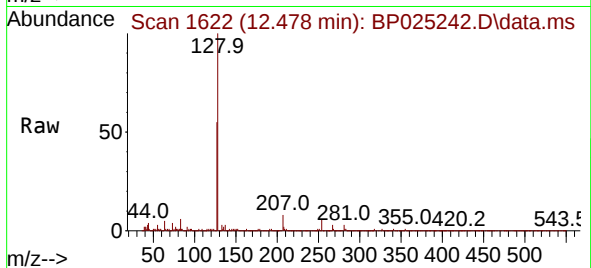
Tgt Ion:196 Resp: 227

Ion Ratio Lower Upper

196 100

198 33.1 76.6 114.8#

200 45.5 24.7 37.1#



#44

2,4,5-Trichlorophenol

Concen: 4.168 ng

RT: 12.560 min Scan# 1636

Delta R.T. 0.006 min

Lab File: BP025242.D

Acq: 24 Jul 2025 14:46

Tgt Ion:196 Resp: 203

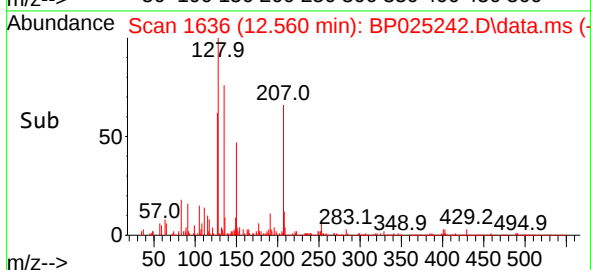
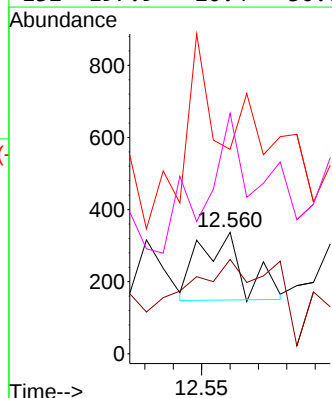
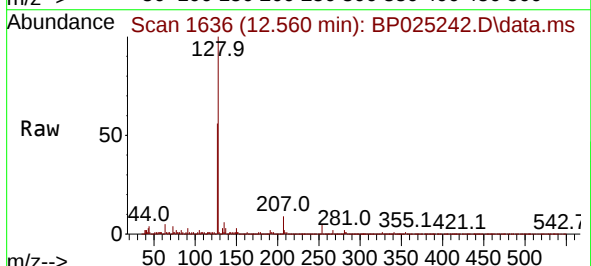
Ion Ratio Lower Upper

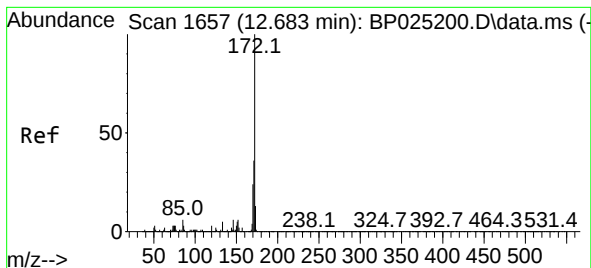
196 100

198 77.7 76.7 115.1

97 168.2 33.0 49.4#

132 197.9 20.4 30.6#





#45

2-Fluorobiphenyl

Concen: 4832.056 ng

RT: 12.678 min Scan# 1656

Delta R.T. -0.006 min

Lab File: BP025242.D

Acq: 24 Jul 2025 14:46

Instrument :

BNA_P

ClientSampleId :

CC0267-OXPL

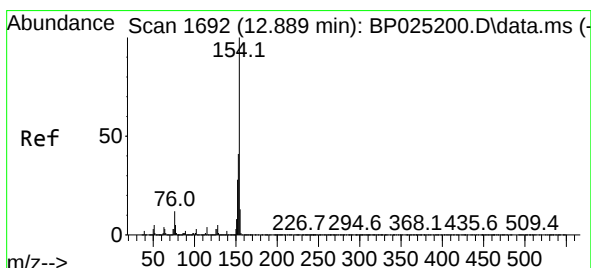
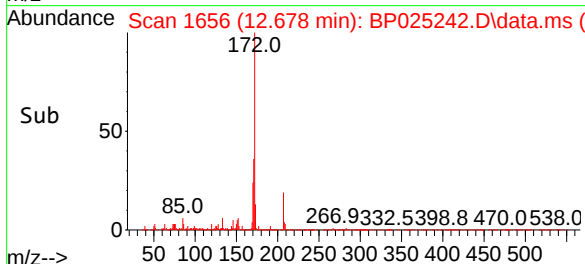
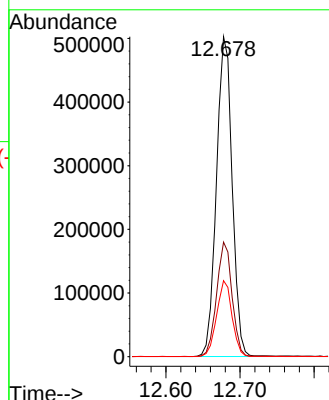
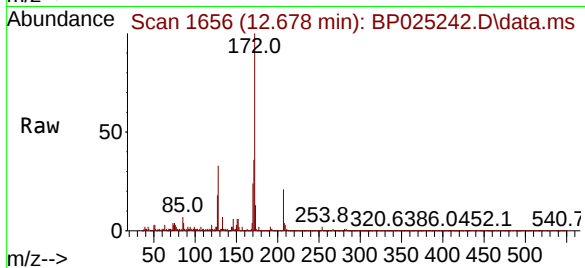
Tgt Ion:172 Resp: 740670

Ion Ratio Lower Upper

172 100

171 35.8 28.8 43.2

170 23.8 19.2 28.8



#46

1,1'-Biphenyl

Concen: 211.547 ng

RT: 12.878 min Scan# 1690

Delta R.T. -0.012 min

Lab File: BP025242.D

Acq: 24 Jul 2025 14:46

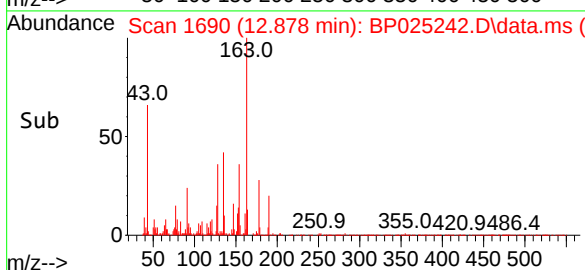
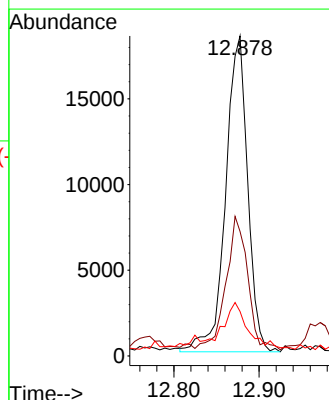
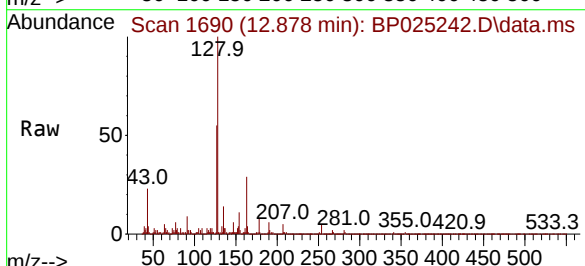
Tgt Ion:154 Resp: 33140

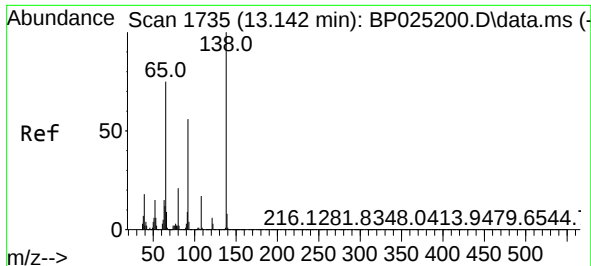
Ion Ratio Lower Upper

154 100

153 38.9 20.8 60.8

76 13.9 0.0 31.6

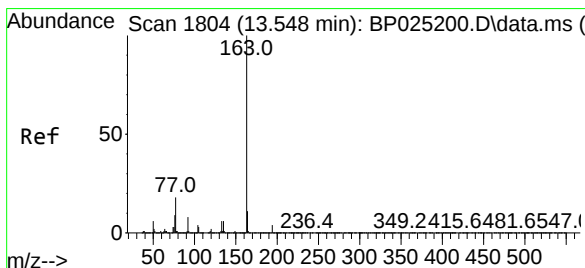
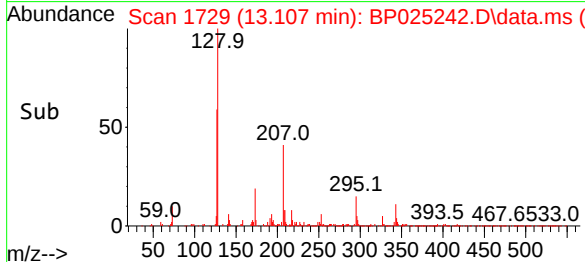
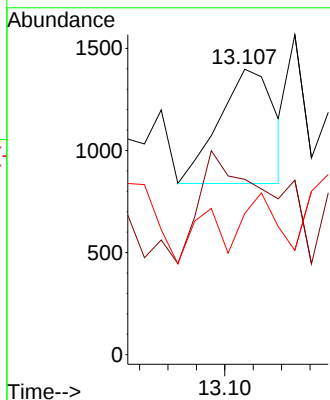
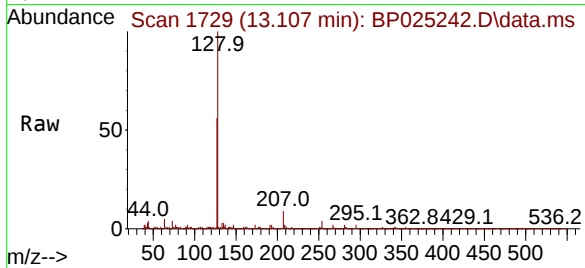




#48
2-Nitroaniline
Concen: 24.269 ng
RT: 13.107 min Scan# 11
Delta R.T. -0.035 min
Lab File: BP025242.D
Acq: 24 Jul 2025 14:46

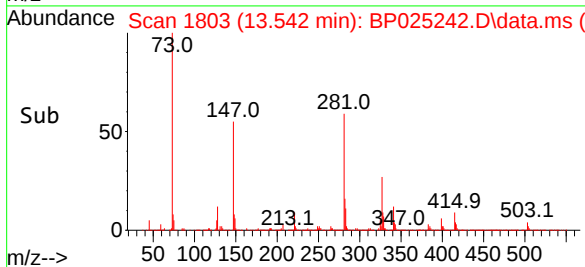
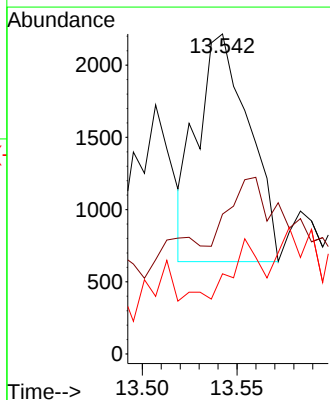
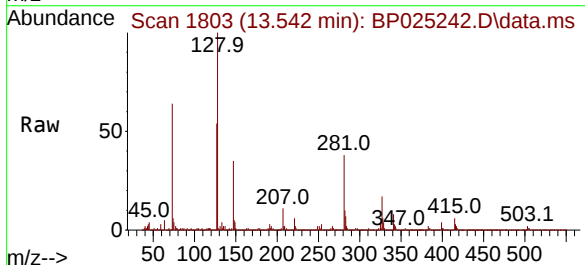
Instrument :
BNA_P
ClientSampleId :
CC0267-OXPL

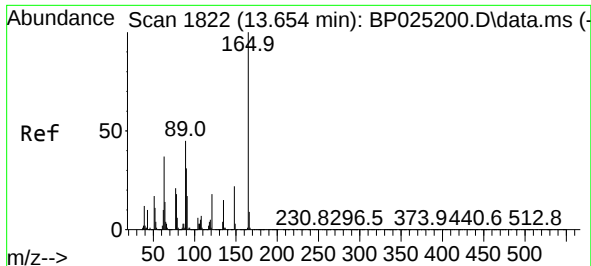
Tgt Ion: 65 Resp: 758
Ion Ratio Lower Upper
65 100
92 61.4 59.9 89.9
138 49.5 107.1 160.7#



#50
Dimethylphthalate
Concen: 19.386 ng
RT: 13.542 min Scan# 1803
Delta R.T. -0.006 min
Lab File: BP025242.D
Acq: 24 Jul 2025 14:46

Tgt Ion:163 Resp: 2996
Ion Ratio Lower Upper
163 100
194 43.7 3.3 4.9#
164 25.1 8.5 12.7#





#51

2,6-Dinitrotoluene

Concen: 24.300 ng

RT: 13.672 min Scan# 1825

Delta R.T. 0.018 min

Lab File: BP025242.D

Acq: 24 Jul 2025 14:46

Instrument :

BNA_P

ClientSampleId :

CC0267-OXPL

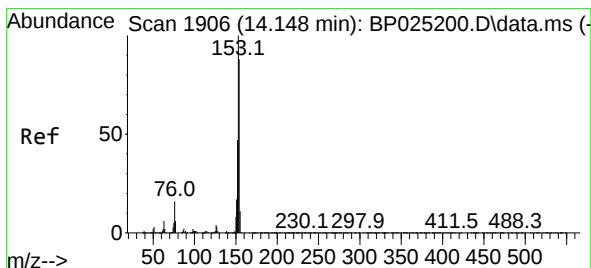
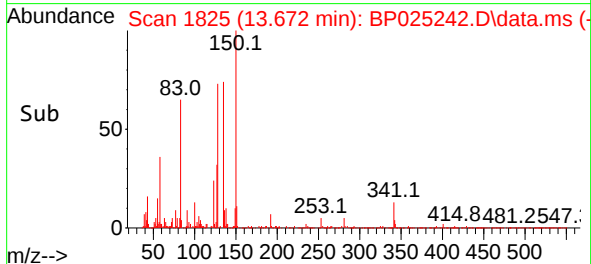
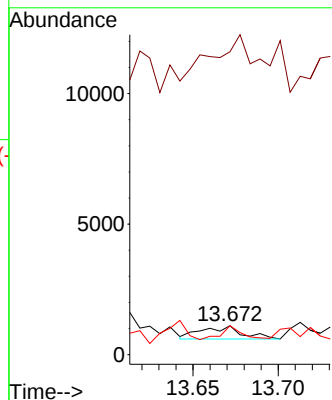
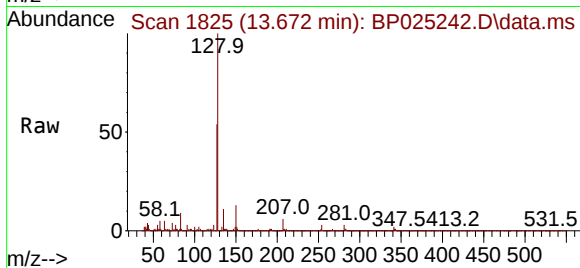
Tgt Ion:165 Resp: 816

Ion Ratio Lower Upper

165 100

63 1045.8 33.4 50.2#

89 99.9 36.3 54.5#



#52

Acenaphthene

Concen: 10.630 ng

RT: 14.195 min Scan# 1914

Delta R.T. 0.047 min

Lab File: BP025242.D

Acq: 24 Jul 2025 14:46

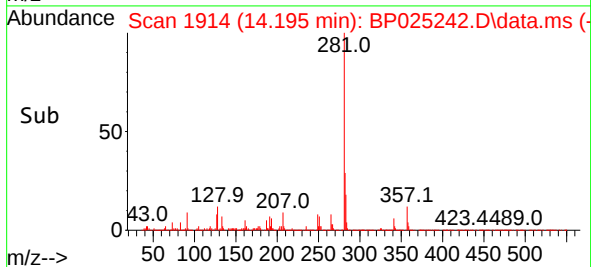
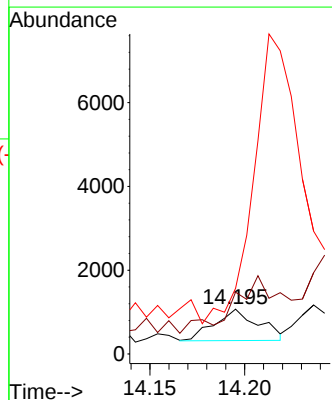
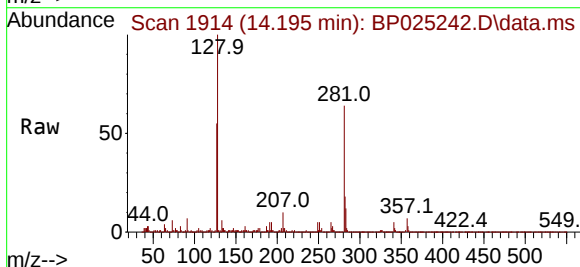
Tgt Ion:154 Resp: 1216

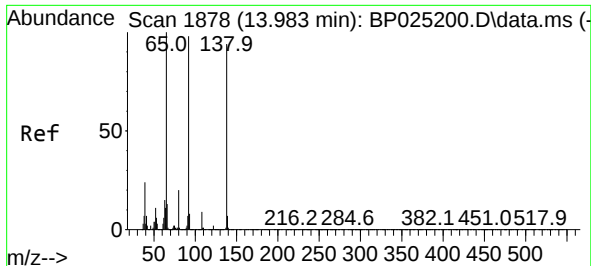
Ion Ratio Lower Upper

154 100

153 137.8 90.7 136.1#

152 146.4 42.9 64.3#

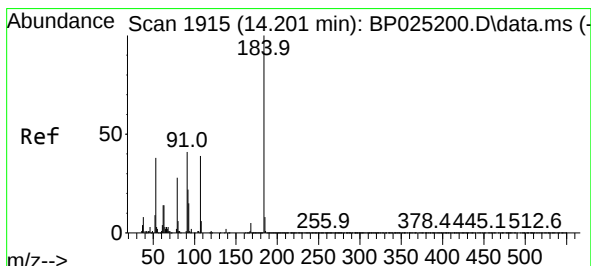
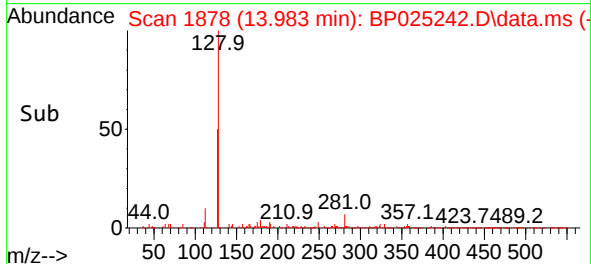
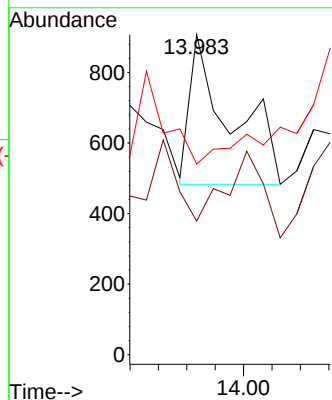
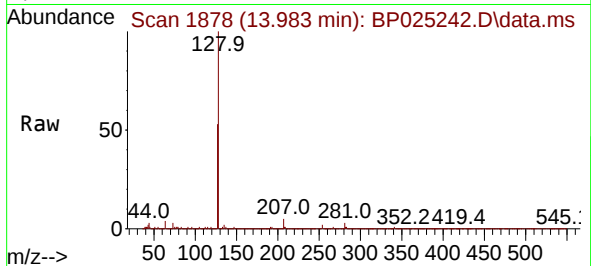




#53
3-Nitroaniline
Concen: 11.144 ng
RT: 13.983 min Scan# 1878
Delta R.T. 0.000 min
Lab File: BP025242.D
Acq: 24 Jul 2025 14:46

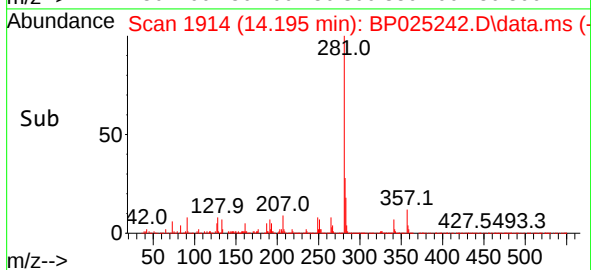
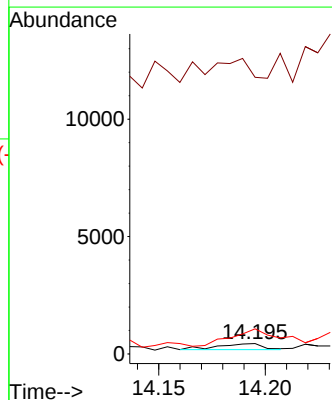
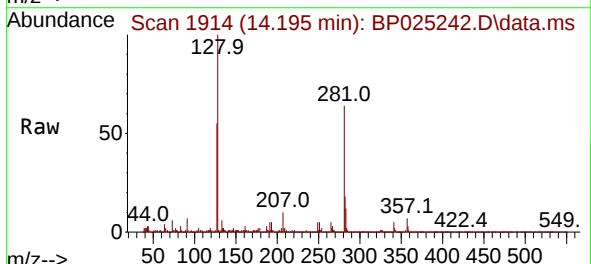
Instrument :
BNA_P
ClientSampleId :
CC0267-OXPL

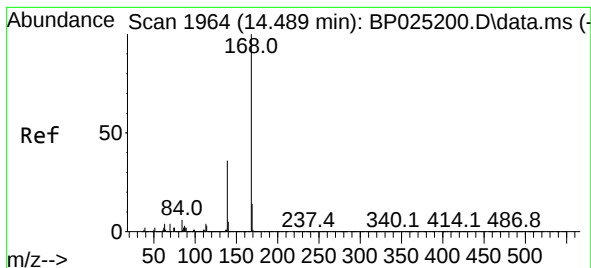
Tgt Ion:138 Resp: 422
Ion Ratio Lower Upper
138 100
108 41.8 7.5 11.3#
92 59.5 83.2 124.8#



#54
2,4-Dinitrophenol
Concen: 18.948 ng
RT: 14.195 min Scan# 1914
Delta R.T. -0.006 min
Lab File: BP025242.D
Acq: 24 Jul 2025 14:46

Tgt Ion:184 Resp: 377
Ion Ratio Lower Upper
184 100
63 2660.3 41.8 62.8#
154 241.5 45.7 68.5#





#55

Dibenzenofuran

Concen: 2.219 ng

RT: 14.507 min Scan# 1967

Delta R.T. 0.018 min

Lab File: BP025242.D

Acq: 24 Jul 2025 14:46

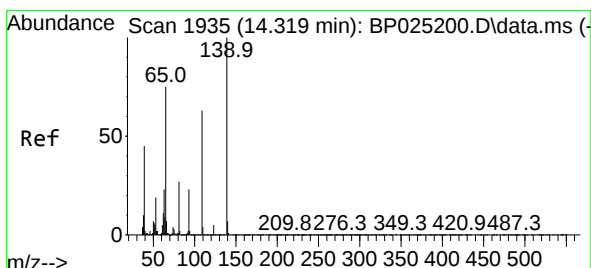
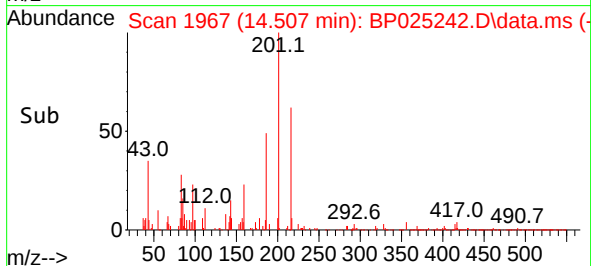
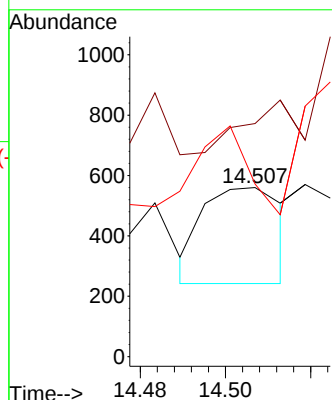
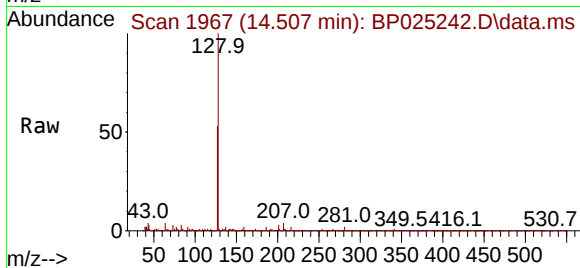
Instrument :

BNA_P

ClientSampleId :

CC0267-OXPL

Tgt Ion:	168	Resp:	410
Ion Ratio	100	Lower	Upper
168	100		
139	163.2	28.7	43.1#
169	102.1	10.9	16.3#



#56

4-Nitrophenol

Concen: 20.830 ng

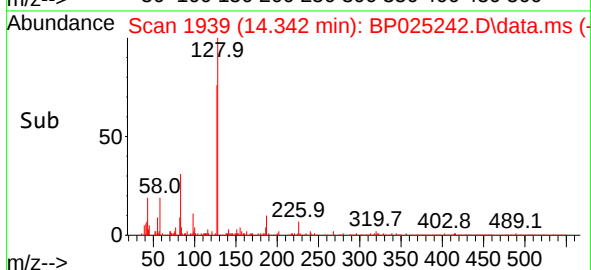
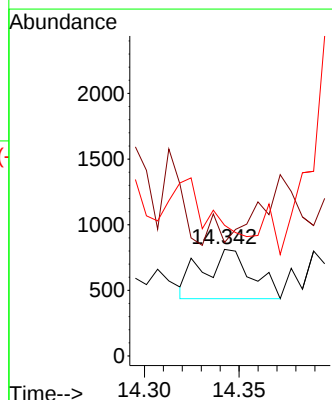
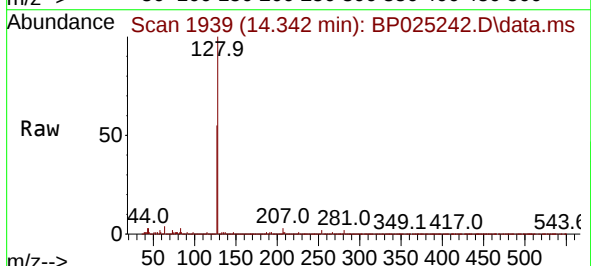
RT: 14.342 min Scan# 1939

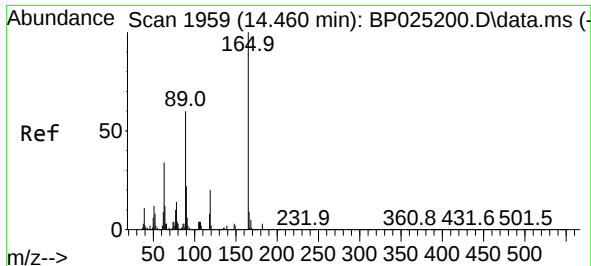
Delta R.T. 0.024 min

Lab File: BP025242.D

Acq: 24 Jul 2025 14:46

Tgt Ion:	139	Resp:	675
Ion Ratio	100	Lower	Upper
139	100		
109	106.4	42.6	82.6#
65	122.7	55.4	95.4#

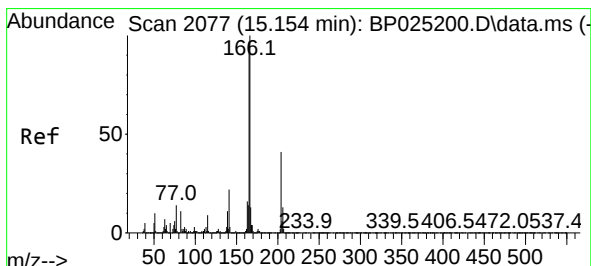
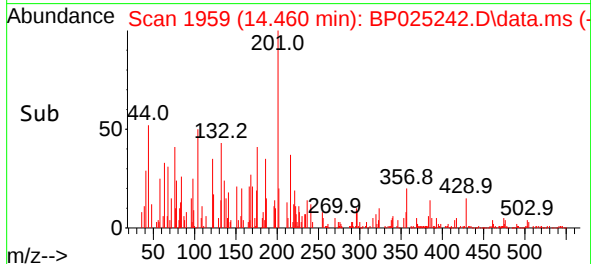
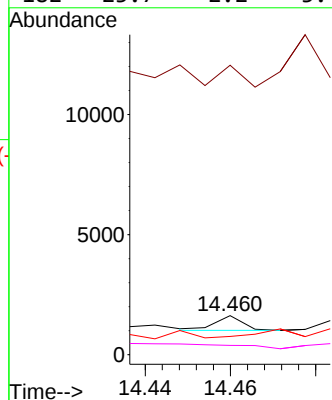
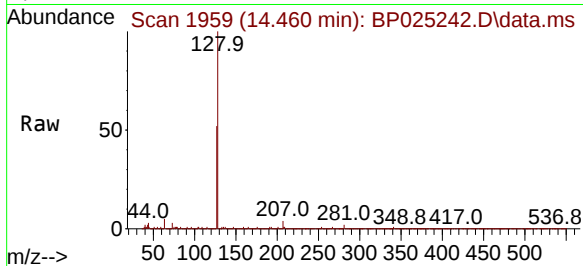




#57
2,4-Dinitrotoluene
Concen: 5.808 ng
RT: 14.460 min Scan# 1959
Delta R.T. 0.000 min
Lab File: BP025242.D
Acq: 24 Jul 2025 14:46

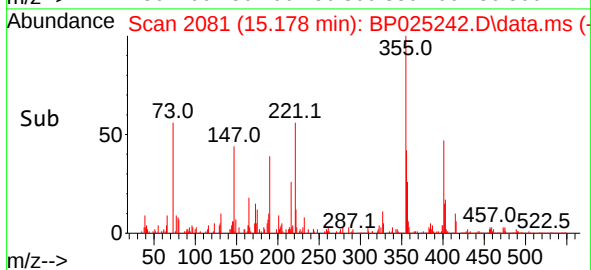
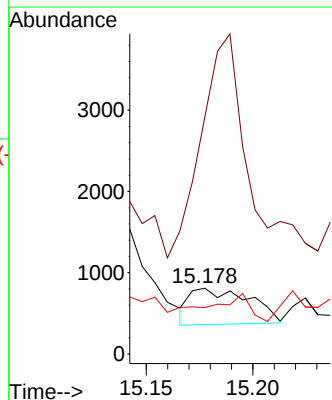
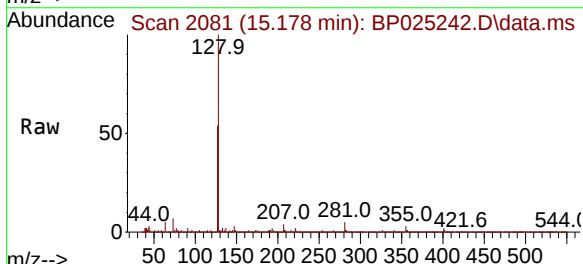
Instrument :
BNA_P
ClientSampleId :
CC0267-OXPL

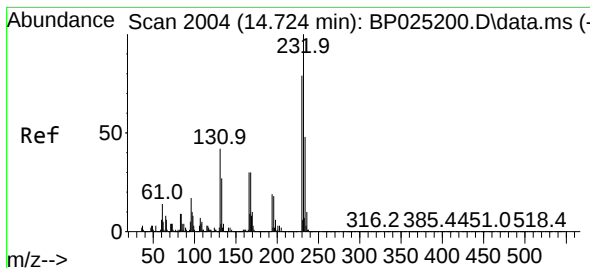
Tgt Ion:	165	Resp:	273
Ion	Ratio	Lower	Upper
165	100		
63	741.5	27.0	40.4#
89	46.6	47.8	71.6#
182	23.7	2.2	3.4#



#58
Fluorene
Concen: 5.897 ng
RT: 15.178 min Scan# 2081
Delta R.T. 0.024 min
Lab File: BP025242.D
Acq: 24 Jul 2025 14:46

Tgt Ion:	166	Resp:	865
Ion	Ratio	Lower	Upper
166	100		
165	361.8	78.0	117.0#
167	70.6	10.7	16.1#

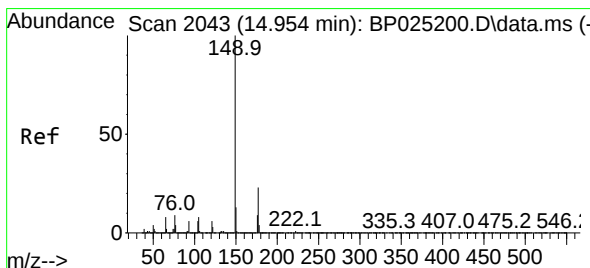
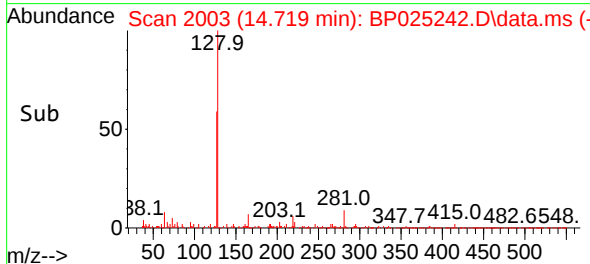
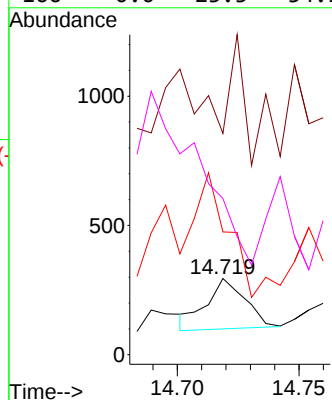
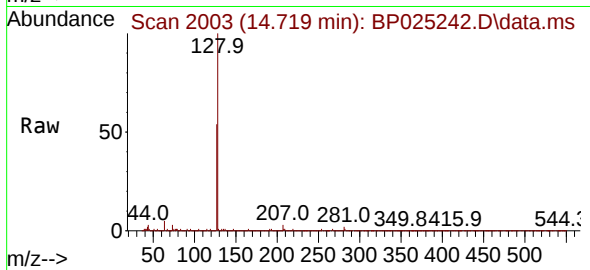




#59
2,3,4,6-Tetrachlorophenol
Concen: 5.034 ng
RT: 14.719 min Scan# 2077
Delta R.T. -0.006 min
Lab File: BP025242.D
Acq: 24 Jul 2025 14:46

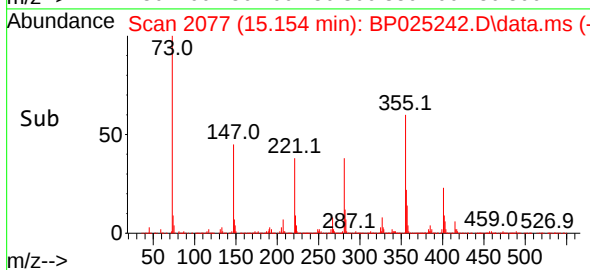
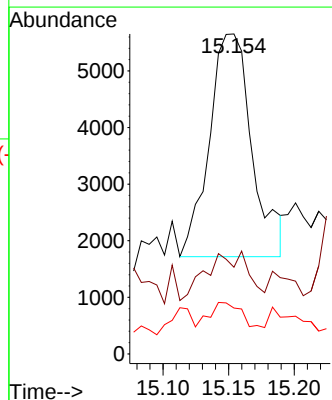
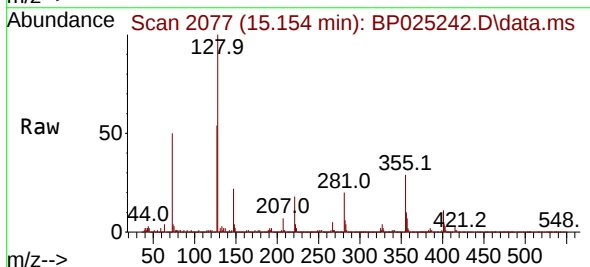
Instrument :
BNA_P
ClientSampleId :
CC0267-OXPL

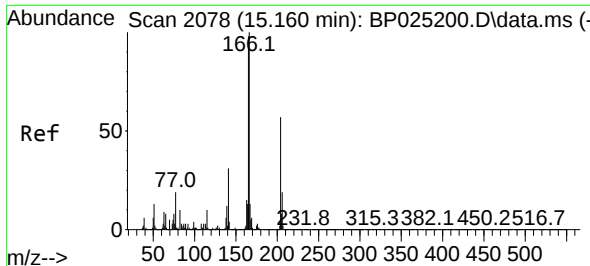
Tgt Ion:232	Resp:	217
Ion Ratio	Lower	Upper
232	100	
131	0.0	32.6 48.8#
130	177.9	1.6 2.4#
166	0.0	23.3 34.9#



#60
Diethylphthalate
Concen: 58.664 ng
RT: 15.154 min Scan# 2077
Delta R.T. 0.200 min
Lab File: BP025242.D
Acq: 24 Jul 2025 14:46

Tgt Ion:149	Resp:	8936
Ion Ratio	Lower	Upper
149	100	
177	27.1	18.4 27.6
150	14.3	10.0 15.0

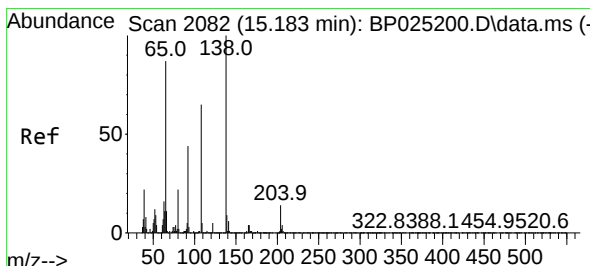
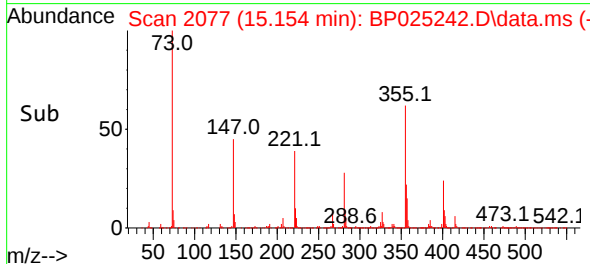
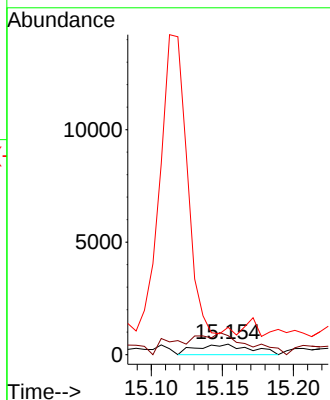
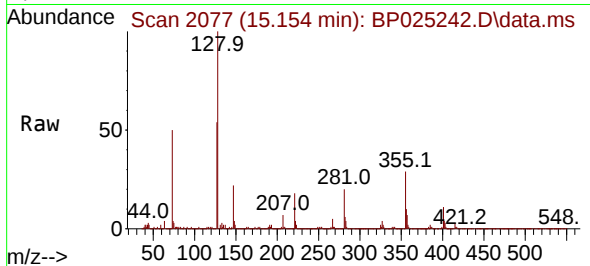




#61
4-Chlorophenyl-phenylether
Concen: 16.459 ng
RT: 15.154 min Scan# 2078
Delta R.T. -0.006 min
Lab File: BP025242.D
Acq: 24 Jul 2025 14:46

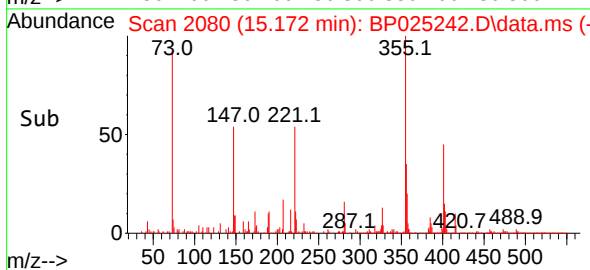
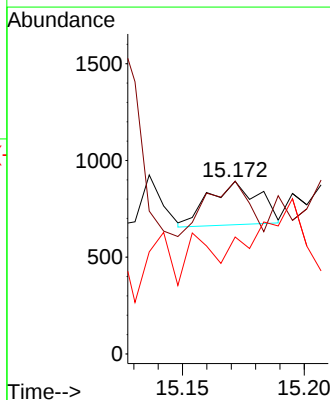
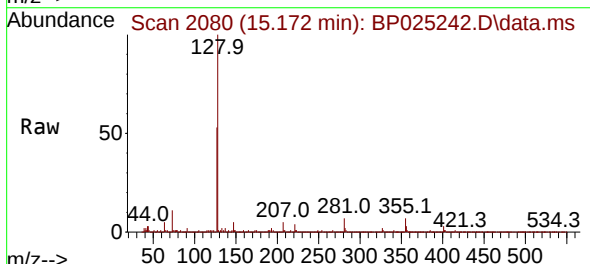
Instrument :
BNA_P
ClientSampleId :
CC0267-OXPL

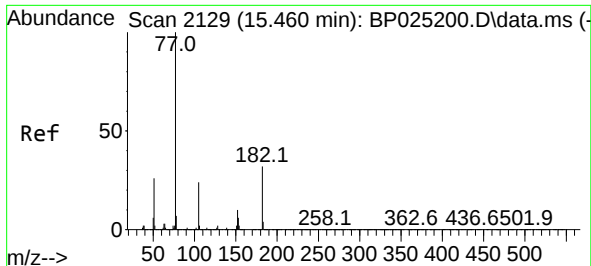
Tgt Ion:204 Resp: 1220
Ion Ratio Lower Upper
204 100
206 180.0 26.3 39.5#
141 259.5 43.0 64.6#



#62
4-Nitroaniline
Concen: 8.283 ng
RT: 15.172 min Scan# 2080
Delta R.T. -0.012 min
Lab File: BP025242.D
Acq: 24 Jul 2025 14:46

Tgt Ion:138 Resp: 319
Ion Ratio Lower Upper
138 100
92 100.1 24.0 64.0#
108 67.7 44.9 84.9

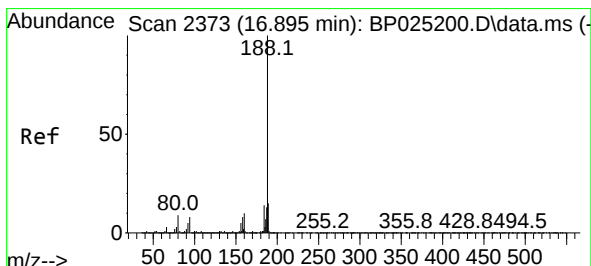
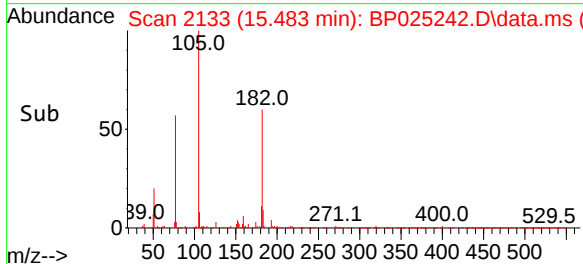
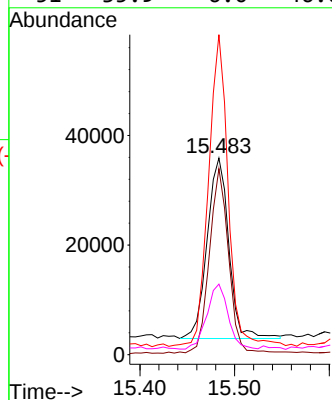
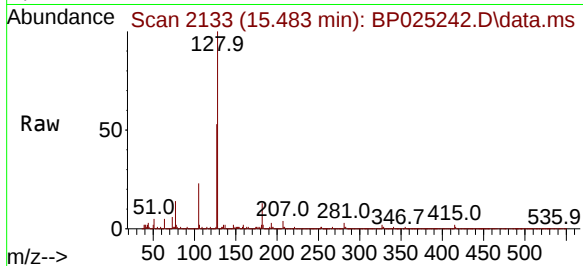




#63
Azobenzene
Concen: 422.069 ng
RT: 15.483 min Scan# 2129
Delta R.T. 0.024 min
Lab File: BP025242.D
Acq: 24 Jul 2025 14:46

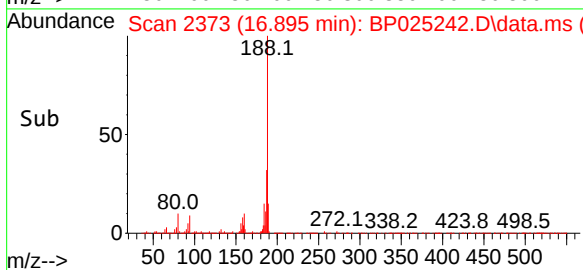
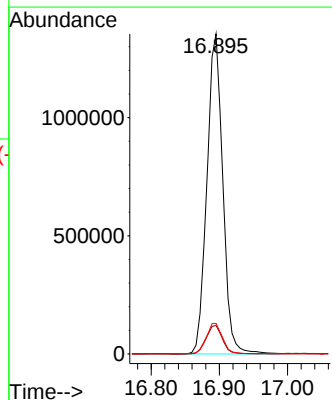
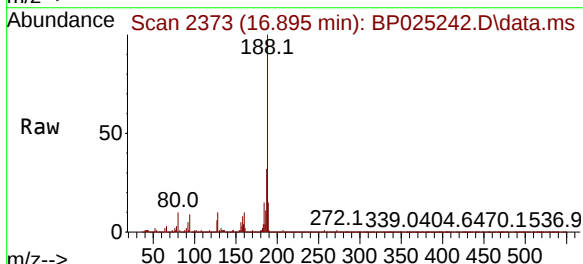
Instrument :
BNA_P
ClientSampleId :
CC0267-OXPL

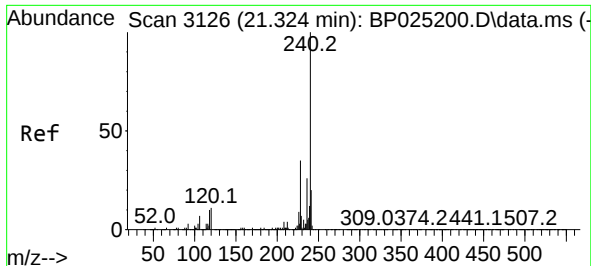
Tgt Ion: 77	Resp: 52391
Ion Ratio	Lower Upper
77 100	
182 94.6	12.0 52.0#
105 162.7	3.6 43.6#
51 35.9	6.0 46.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.895 min Scan# 2373
Delta R.T. 0.000 min
Lab File: BP025242.D
Acq: 24 Jul 2025 14:46

Tgt Ion: 188	Resp: 2197833
Ion Ratio	Lower Upper
188 100	
94 8.9	6.8 10.2
80 9.6	7.3 10.9

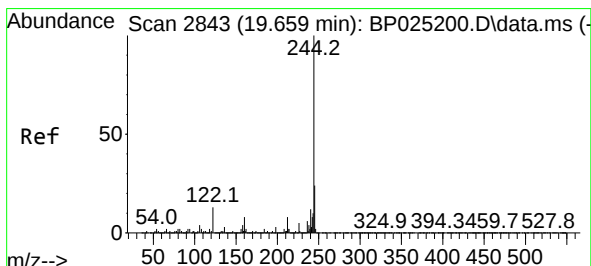
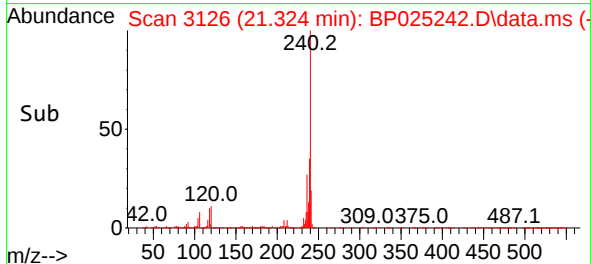
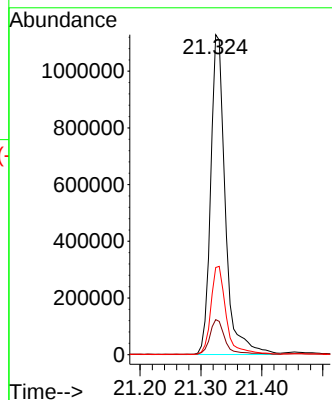
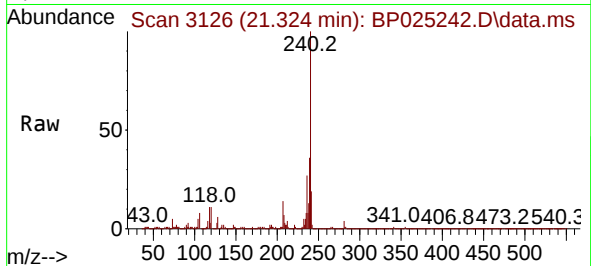




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.324 min Scan# 3126
Delta R.T. 0.000 min
Lab File: BP025242.D
Acq: 24 Jul 2025 14:46

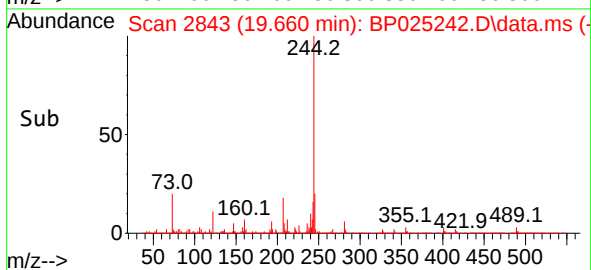
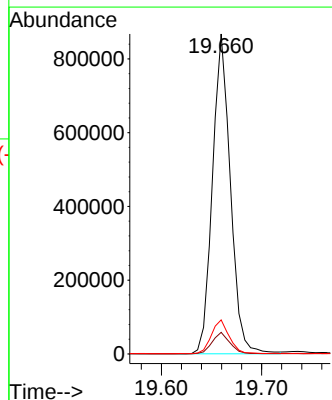
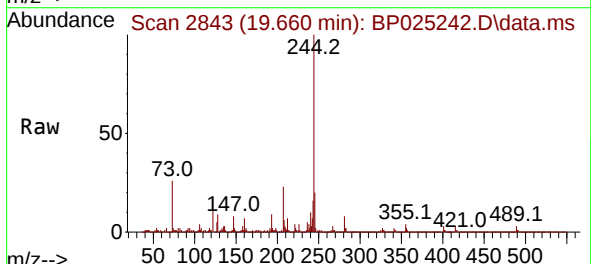
Instrument :
BNA_P
ClientSampleId :
CC0267-OXPL

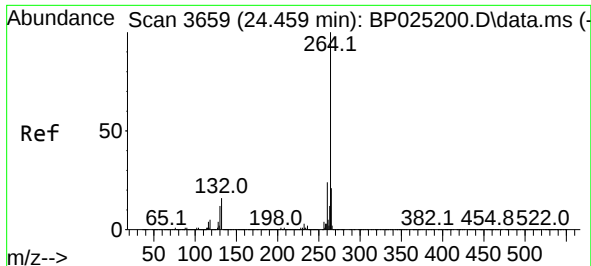
Tgt Ion:240 Resp: 1885587
Ion Ratio Lower Upper
240 100
120 10.9 8.8 13.2
236 27.3 20.9 31.3



#79
Terphenyl-d14
Concen: 11.283 ng
RT: 19.660 min Scan# 2843
Delta R.T. 0.001 min
Lab File: BP025242.D
Acq: 24 Jul 2025 14:46

Tgt Ion:244 Resp: 1077720
Ion Ratio Lower Upper
244 100
212 6.7 6.6 9.8
122 10.7 10.3 15.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.477 min Scan# 30
Delta R.T. 0.018 min
Lab File: BP025242.D
Acq: 24 Jul 2025 14:46

Instrument :
BNA_P
ClientSampleId :
CC0267-OXPL

Tgt Ion:264 Resp: 52055
Ion Ratio Lower Upper
264 100
260 200.3 19.0 28.6#
265 62.6 17.5 26.3#

