

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072425\
 Data File : BP025245.D
 Acq On : 24 Jul 2025 16:50
 Operator : CG/JU
 Sample : Q2481-13 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

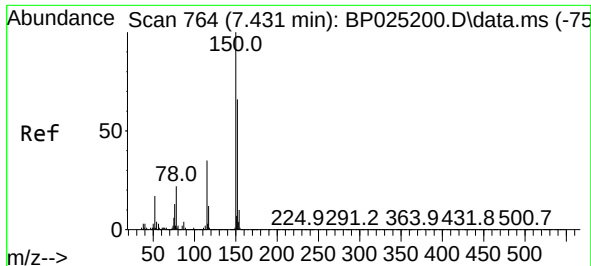
Instrument :
 BNA_P
 ClientSampleId :
 CC0627-CLOXPL

Quant Time: Jul 24 17:28:43 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	7.437	152	459498	20.000	ng	0.00
21) Naphthalene-d8	10.178	136	1166103	20.000	ng	# 0.00
39) Acenaphthene-d10	13.931	164	2602	20.000	ng	-0.15
64) Phenanthrene-d10	16.889	188	1393965	20.000	ng	# 0.00
76) Chrysene-d12	21.324	240	1310534	20.000	ng	# 0.00
86) Perylene-d12	24.471	264	8832	20.000	ng	# 0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.131	112	60381	2.220	ng	0.03
7) Phenol-d6	6.631	99	705	0.021	ng	0.00
23) Nitrobenzene-d5	8.566	82	329335	15.695	ng	0.00
42) 2,4,6-Tribromophenol	15.607	330	197724	5154.536	ng	0.00
45) 2-Fluorobiphenyl	12.684	172	786313	4260.397	ng	0.00
79) Terphenyl-d14	19.654	244	1050314	15.821	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.696	77	79441	3.479	ng	# 1
25) Isophorone	9.196	82	200737	5.440	ng	# 98
41) Hexachlorocyclopentadiene	12.072	237	151	3.243	ng	85
44) 2,4,5-Trichlorophenol	12.413	196	328	5.593	ng	# 1
46) 1,1'-Biphenyl	12.878	154	31829	168.743	ng	90
47) 2-Chloronaphthalene	12.801	162	849	5.765	ng	# 1
48) 2-Nitroaniline	13.037	65	2763	73.469	ng	# 44
49) Acenaphthylene	13.678	152	4887	20.517	ng	# 1
50) Dimethylphthalate	13.448	163	667	3.584	ng	# 20
51) 2,6-Dinitrotoluene	13.560	165	3890	96.207	ng	# 1
52) Acenaphthene	13.966	154	284	2.062	ng	# 1
53) 3-Nitroaniline	13.842	138	2327	51.034	ng	# 23
54) 2,4-Dinitrophenol	14.048	184	164	6.846	ng	# 1
56) 4-Nitrophenol	14.242	139	3797	97.315	ng	# 1
57) 2,4-Dinitrotoluene	14.331	165	429	7.580	ng	# 1
58) Fluorene	15.007	166	374	2.117	ng	# 1
59) 2,3,4,6-Tetrachlorophenol	14.560	232	303	5.838	ng	# 6
60) Diethylphthalate	14.807	149	1442	7.862	ng	# 1
61) 4-Chlorophenyl-phenyle...	14.984	204	601	6.734	ng	# 1
62) 4-Nitroaniline	15.072	138	400	8.626	ng	89
63) Azobenzene	15.284	77	3116	20.848	ng	# 56
89) Benzo(k)fluoranthene	23.565	252	1026	2.056	ng	# 1

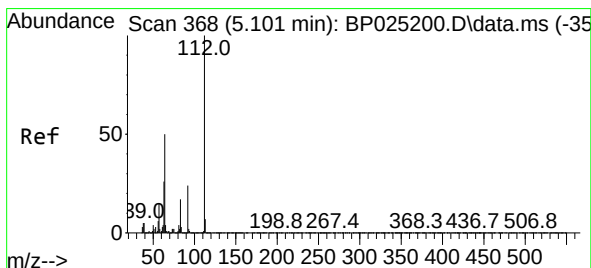
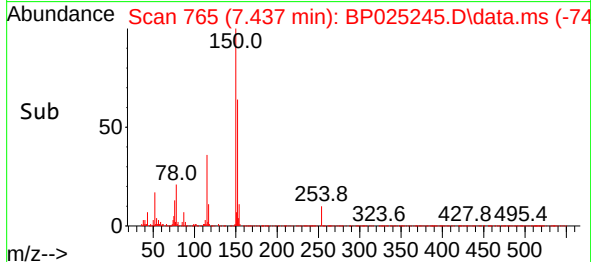
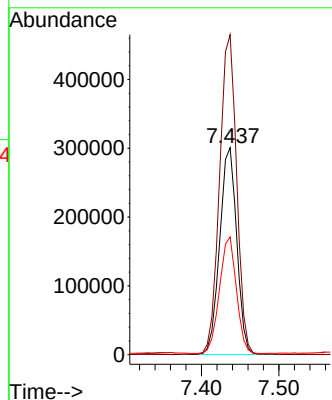
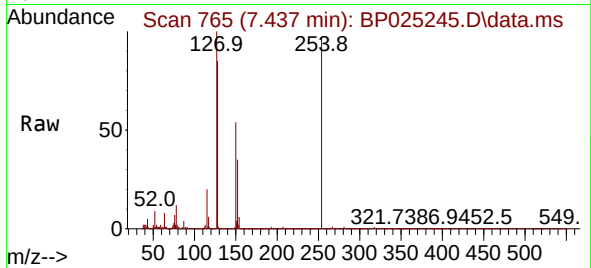
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.437 min Scan# 70
 Delta R.T. 0.006 min
 Lab File: BP025245.D
 Acq: 24 Jul 2025 16:50

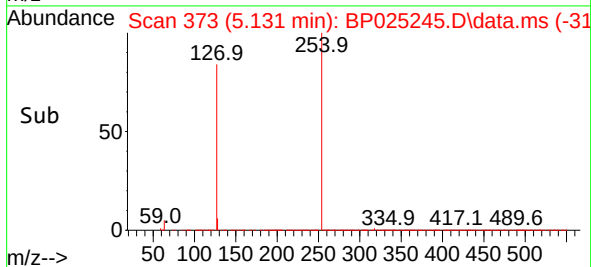
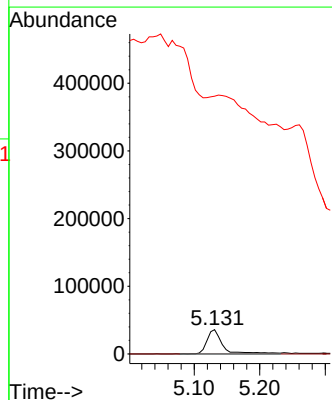
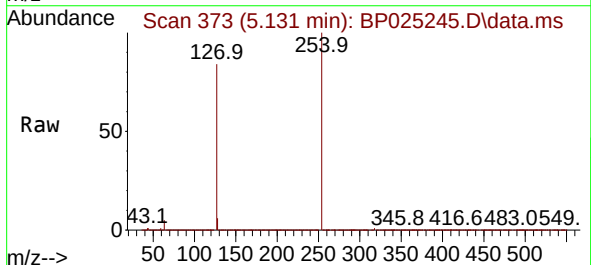
Instrument :
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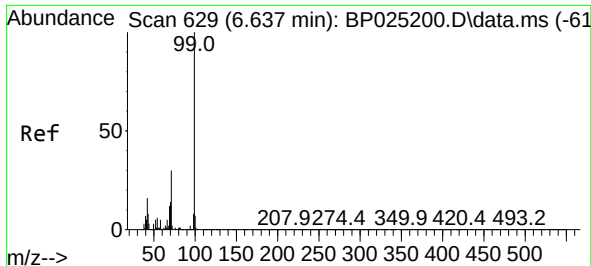
Tgt Ion:152 Resp: 459498
 Ion Ratio Lower Upper
 152 100
 150 154.5 121.9 182.9
 115 56.8 43.0 64.6



#5
 2-Fluorophenol
 Concen: 2.220 ng
 RT: 5.131 min Scan# 373
 Delta R.T. 0.030 min
 Lab File: BP025245.D
 Acq: 24 Jul 2025 16:50

Tgt Ion:112 Resp: 60381
 Ion Ratio Lower Upper
 112 100
 64 0.0 39.8 59.6#
 63 1058.0 20.5 30.7#





#7

Phenol-d6

Concen: 0.021 ng

RT: 6.631 min Scan# 61

Delta R.T. -0.006 min

Lab File: BP025245.D

Acq: 24 Jul 2025 16:50

Instrument :

BNA_P

ClientSampleId :

CC0627-CLOXPL

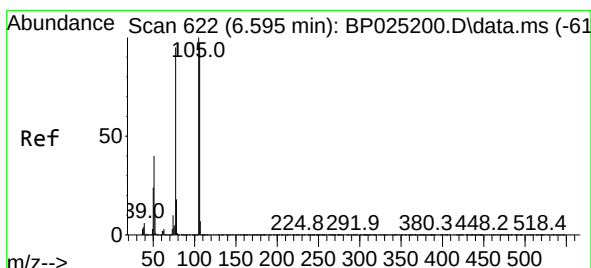
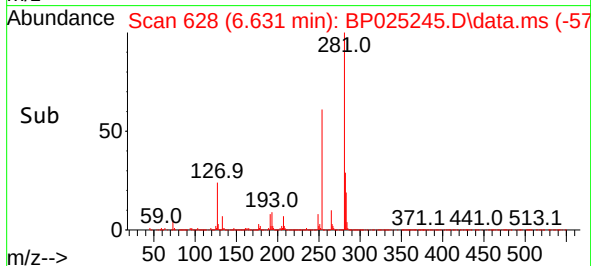
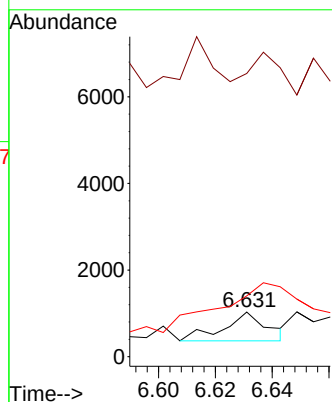
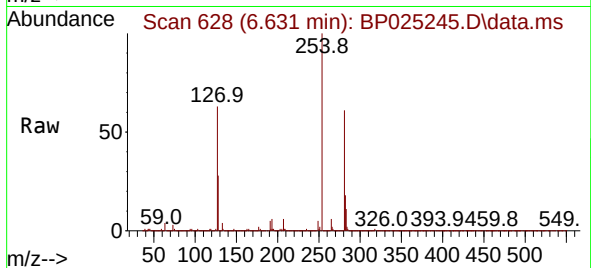
Tgt Ion: 99 Resp: 705

Ion Ratio Lower Upper

99 100

42 633.6 12.5 18.7#

71 136.0 24.2 36.2#



#9

Benzaldehyde

Concen: 3.479 ng

RT: 6.696 min Scan# 639

Delta R.T. 0.100 min

Lab File: BP025245.D

Acq: 24 Jul 2025 16:50

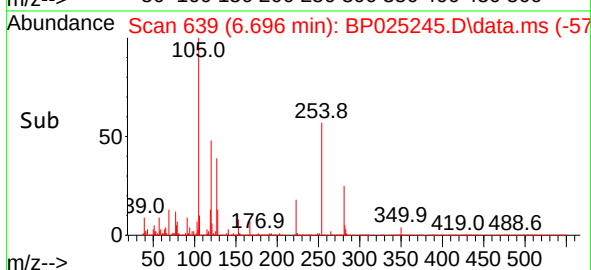
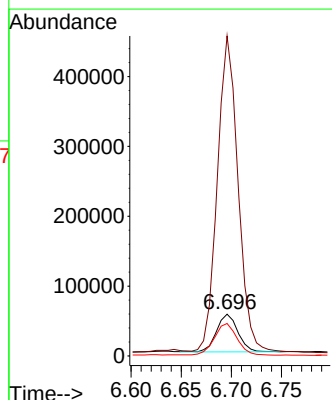
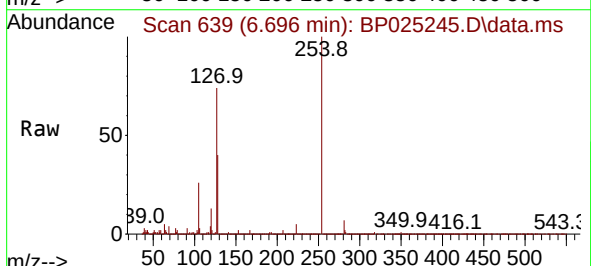
Tgt Ion: 77 Resp: 79441

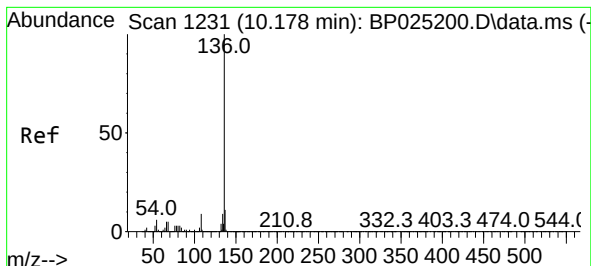
Ion Ratio Lower Upper

77 100

105 766.2 85.5 125.5#

106 77.9 81.9 121.9#

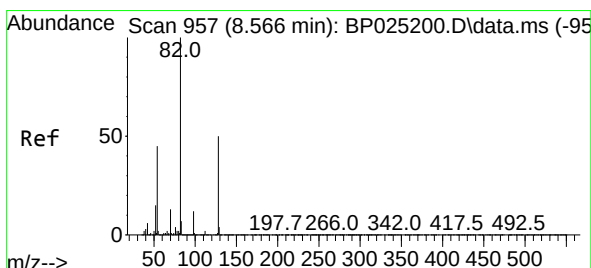
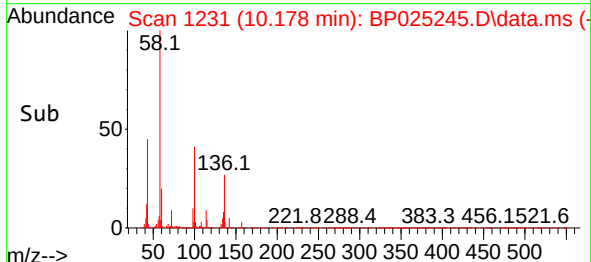
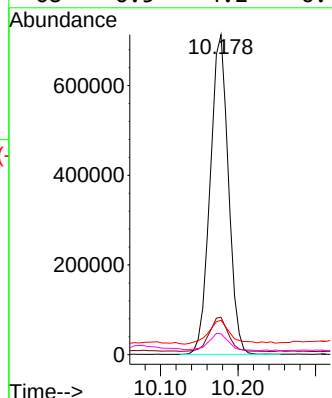
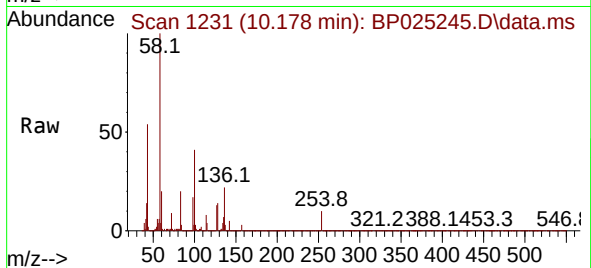




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.178 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025245.D
Acq: 24 Jul 2025 16:50

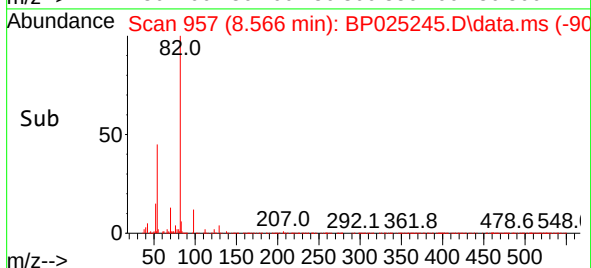
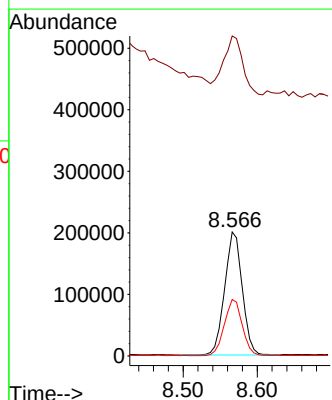
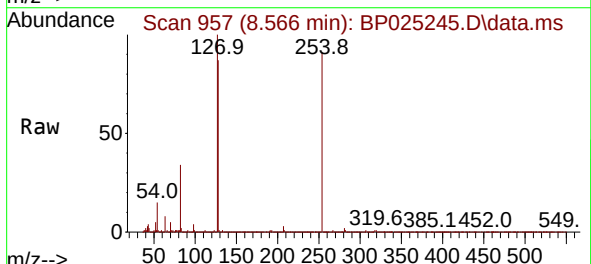
Instrument :
BNA_P
ClientSampleId :
CC0627-CLOXPL

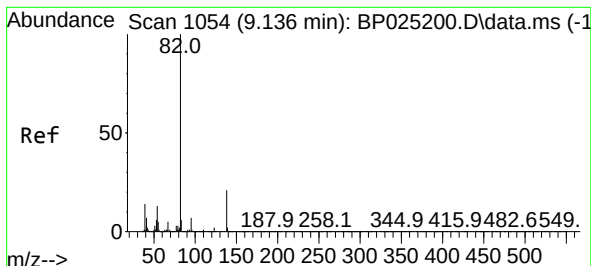
Tgt Ion:136 Resp: 1166103
Ion Ratio Lower Upper
136 100
137 11.7 8.8 13.2
54 10.8 5.1 7.7#
68 6.5 4.2 6.4#



#23
Nitrobenzene-d5
Concen: 15.695 ng
RT: 8.566 min Scan# 957
Delta R.T. 0.000 min
Lab File: BP025245.D
Acq: 24 Jul 2025 16:50

Tgt Ion: 82 Resp: 329335
Ion Ratio Lower Upper
82 100
128 258.0 40.2 60.4#
54 45.5 36.3 54.5





#25

Isophorone

Concen: 5.440 ng

RT: 9.196 min Scan# 1064

Delta R.T. 0.059 min

Lab File: BP025245.D

Acq: 24 Jul 2025 16:50

Instrument :

BNA_P

ClientSampleId :

CC0627-CLOXPL

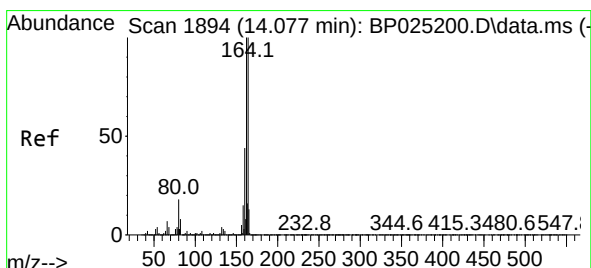
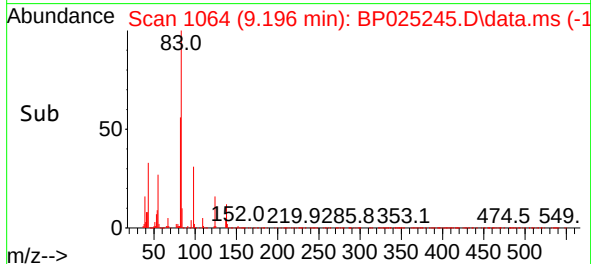
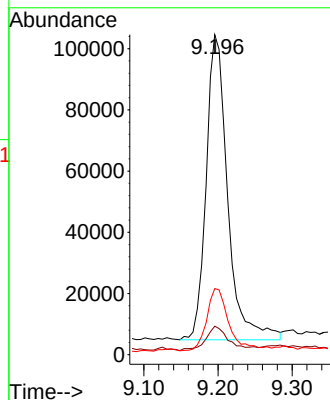
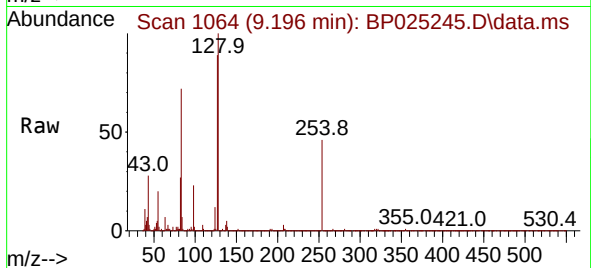
Tgt Ion: 82 Resp: 200737

Ion Ratio Lower Upper

82 100

95 8.9 5.6 8.4#

138 20.7 16.6 25.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.931 min Scan# 1869

Delta R.T. -0.147 min

Lab File: BP025245.D

Acq: 24 Jul 2025 16:50

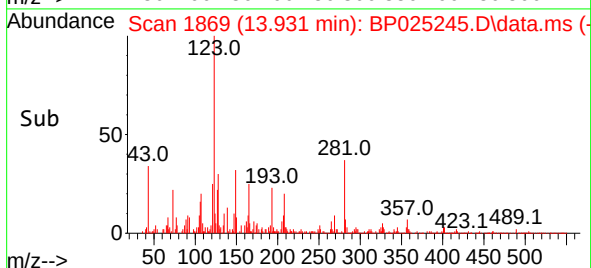
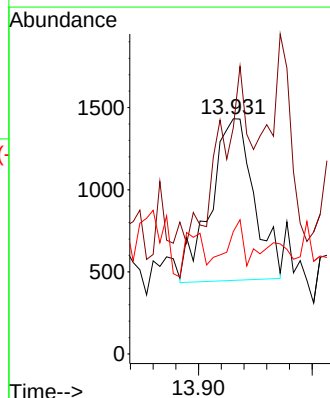
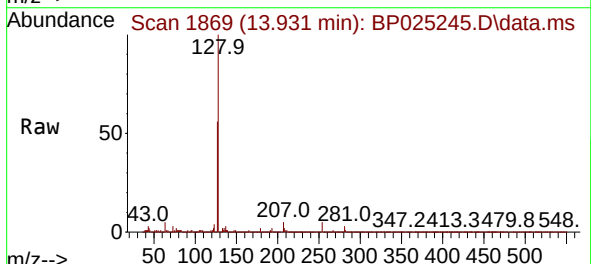
Tgt Ion: 164 Resp: 2602

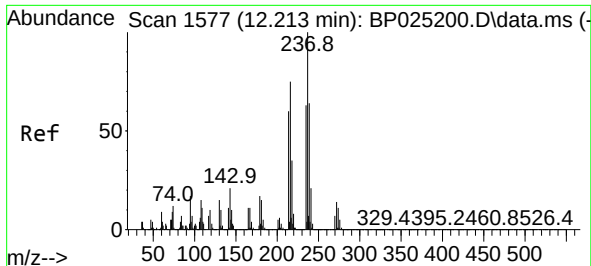
Ion Ratio Lower Upper

164 100

162 96.2 80.3 120.5

160 52.0 35.7 53.5

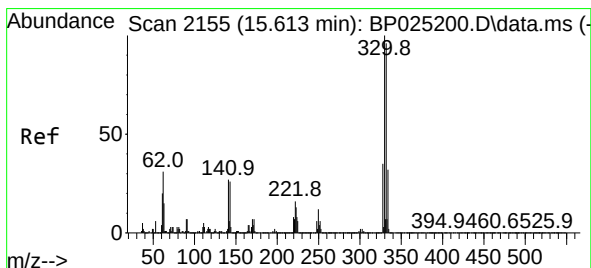
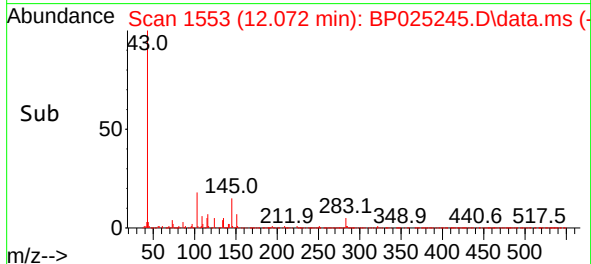
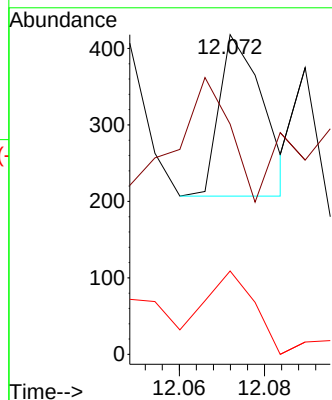
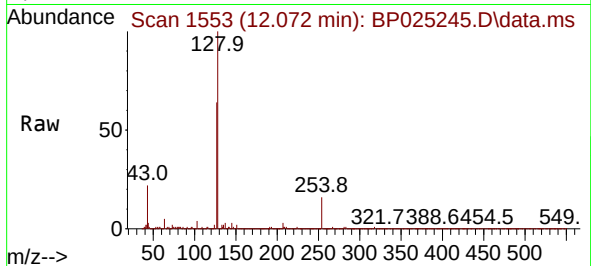




#41
Hexachlorocyclopentadiene
Concen: 3.243 ng
RT: 12.072 min Scan# 11
Delta R.T. -0.141 min
Lab File: BP025245.D
Acq: 24 Jul 2025 16:50

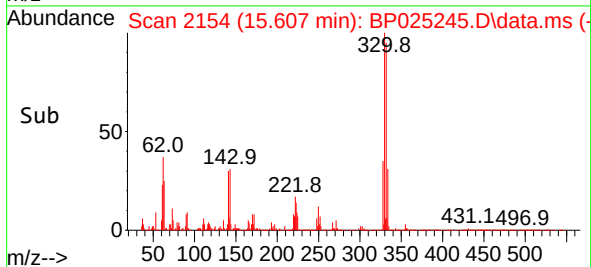
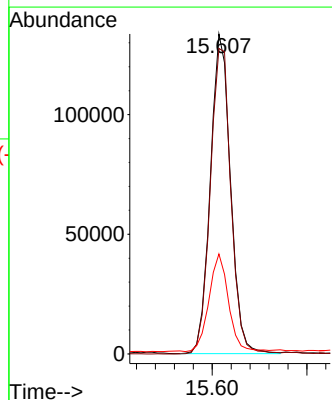
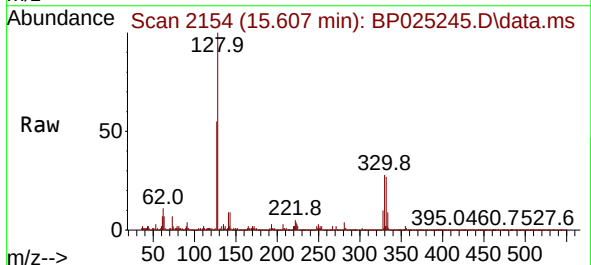
Instrument :
BNA_P
ClientSampleId :
CC0627-CLOXPL

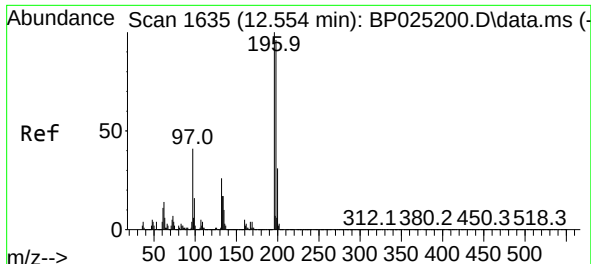
Tgt Ion:	237	Resp:	151
Ion	Ratio	Lower	Upper
237	100		
235	72.0	42.7	82.7
272	26.1	0.0	33.6



#42
2,4,6-Tribromophenol
Concen: 5154.536 ng
RT: 15.607 min Scan# 2154
Delta R.T. -0.006 min
Lab File: BP025245.D
Acq: 24 Jul 2025 16:50

Tgt Ion:	330	Resp:	197724
Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.1	115.7
141	29.7	22.4	33.6

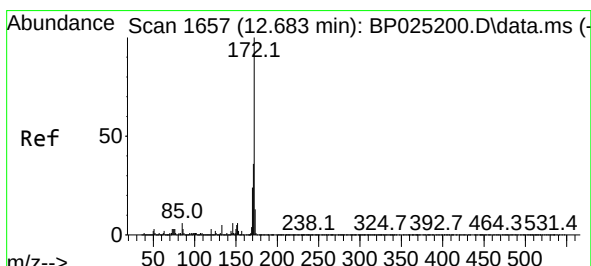
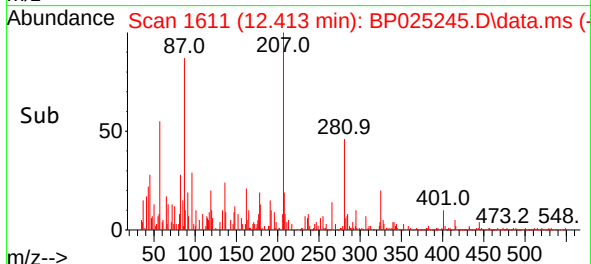
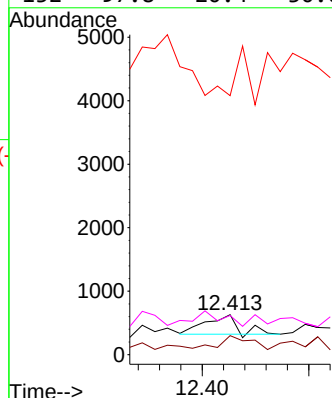
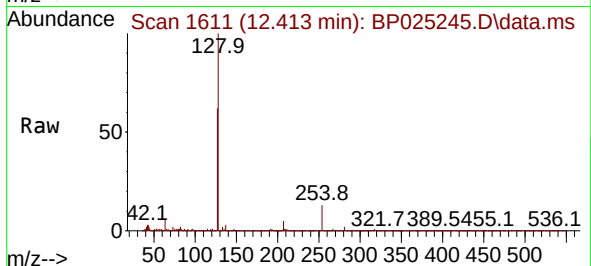




#44
2,4,5-Trichlorophenol
Concen: 5.593 ng
RT: 12.413 min Scan# 1611
Delta R.T. -0.141 min
Lab File: BP025245.D
Acq: 24 Jul 2025 16:50

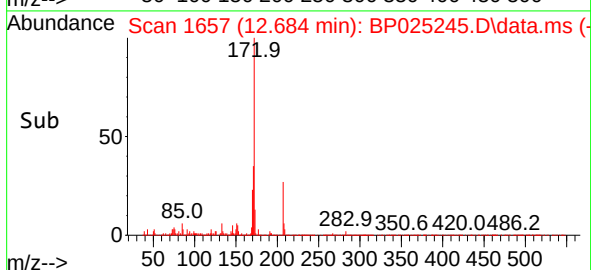
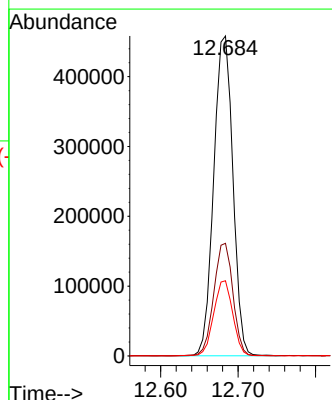
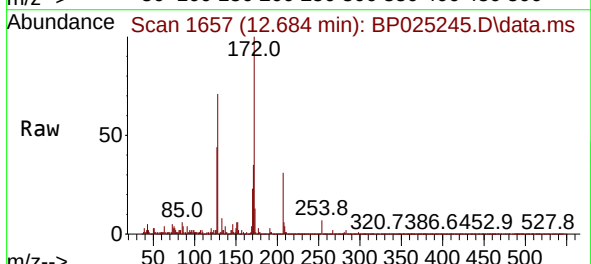
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BNA_P
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CC0627-CLOXPL

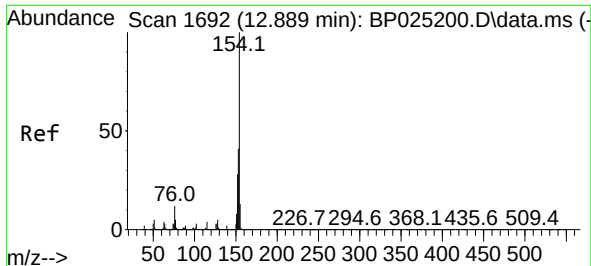
Tgt Ion:196 Resp: 328
Ion Ratio Lower Upper
196 100
198 47.5 76.7 115.1#
97 646.8 33.0 49.4#
132 97.8 20.4 30.6#



#45
2-Fluorobiphenyl
Concen: 4260.397 ng
RT: 12.684 min Scan# 1657
Delta R.T. 0.000 min
Lab File: BP025245.D
Acq: 24 Jul 2025 16:50

Tgt Ion:172 Resp: 786313
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 23.5 19.2 28.8

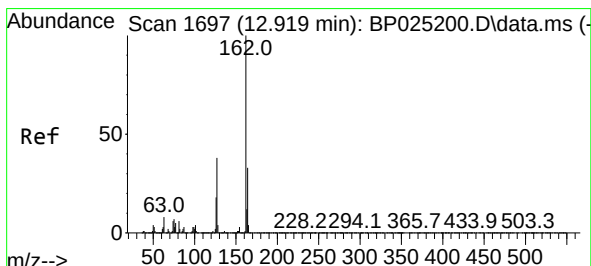
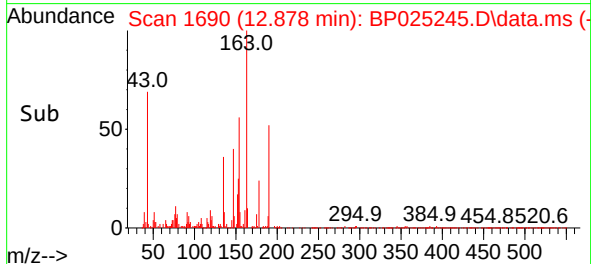
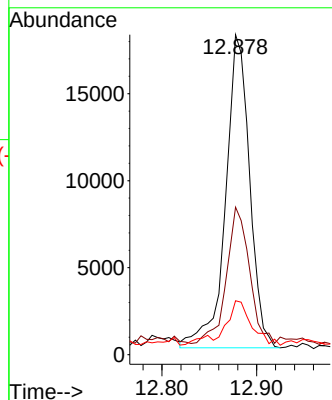
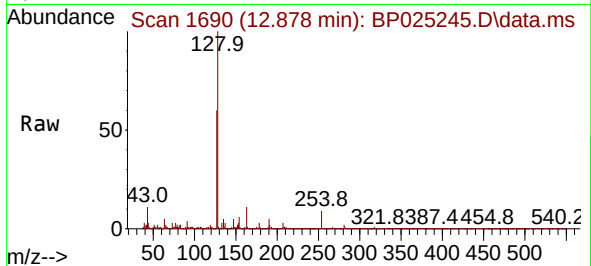




#46
1,1'-Biphenyl
Concen: 168.743 ng
RT: 12.878 min Scan# 1690
Delta R.T. -0.011 min
Lab File: BP025245.D
Acq: 24 Jul 2025 16:50

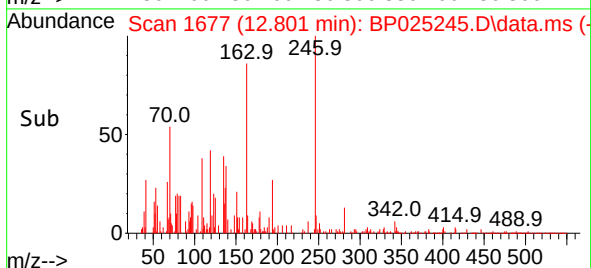
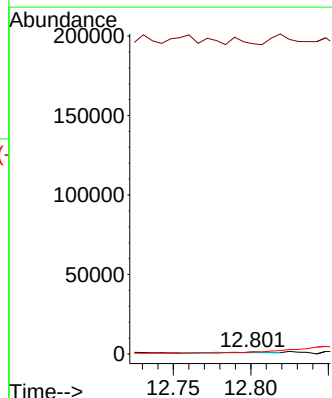
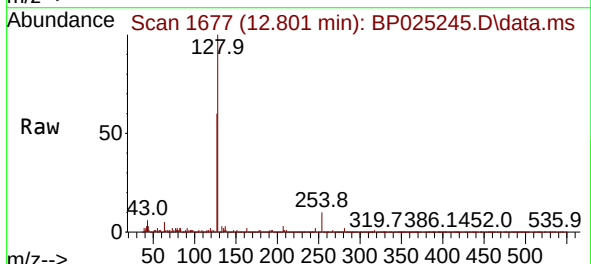
Instrument :
BNA_P
ClientSampleId :
CC0627-CLOXPL

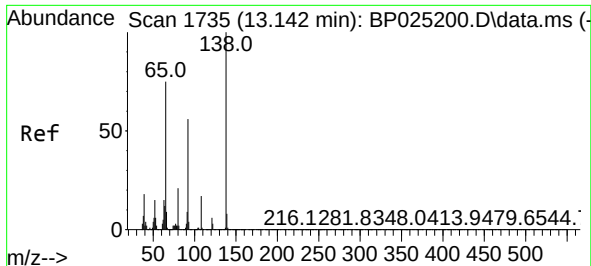
Tgt Ion:154 Resp: 31829
Ion Ratio Lower Upper
154 100
153 46.1 20.8 60.8
76 16.9 0.0 31.6



#47
2-Chloronaphthalene
Concen: 5.765 ng
RT: 12.801 min Scan# 1677
Delta R.T. -0.117 min
Lab File: BP025245.D
Acq: 24 Jul 2025 16:50

Tgt Ion:162 Resp: 849
Ion Ratio Lower Upper
162 100
127 15316.8 30.1 45.1#
164 91.1 26.5 39.7#

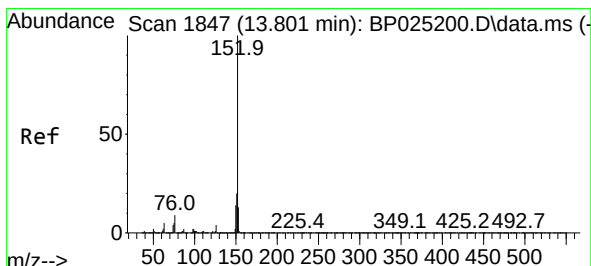
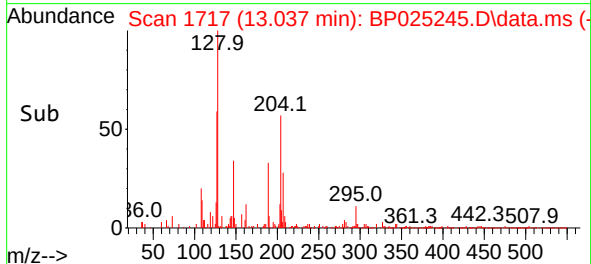
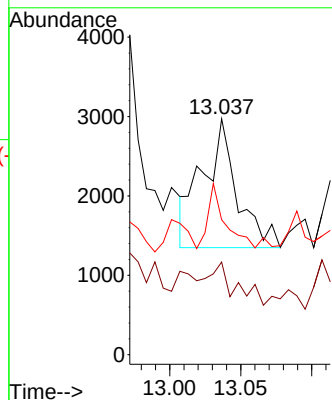
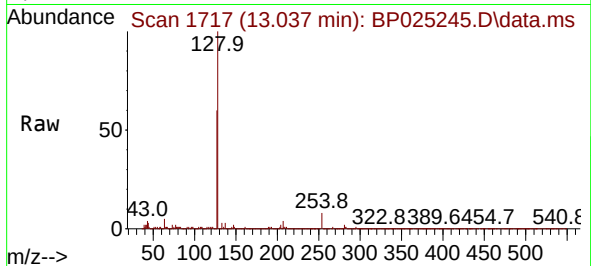




#48
2-Nitroaniline
Concen: 73.469 ng
RT: 13.037 min Scan# 11
Delta R.T. -0.106 min
Lab File: BP025245.D
Acq: 24 Jul 2025 16:50

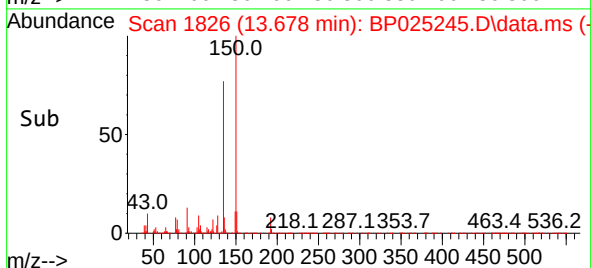
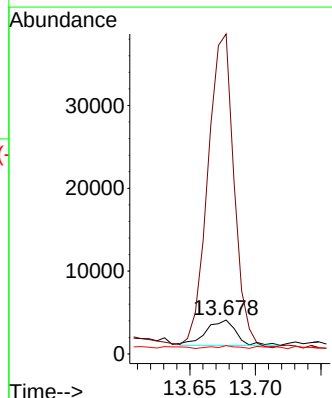
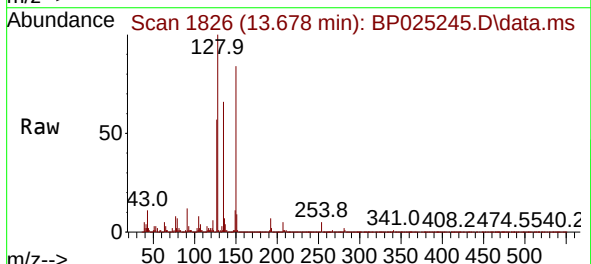
Instrument :
BNA_P
ClientSampleId :
CC0627-CLOXPL

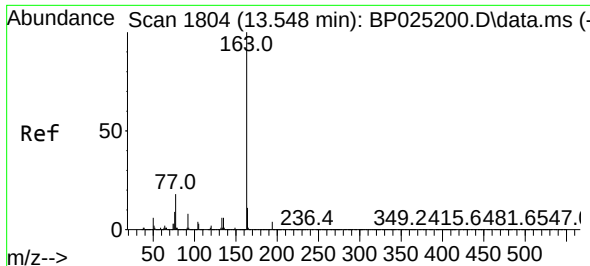
Tgt Ion: 65 Resp: 2763
Ion Ratio Lower Upper
65 100
92 39.3 59.9 89.9#
138 57.2 107.1 160.7#



#49
Acenaphthylene
Concen: 20.517 ng
RT: 13.678 min Scan# 1826
Delta R.T. -0.123 min
Lab File: BP025245.D
Acq: 24 Jul 2025 16:50

Tgt Ion:152 Resp: 4887
Ion Ratio Lower Upper
152 100
151 941.3 16.2 24.2#
153 24.5 10.6 15.8#

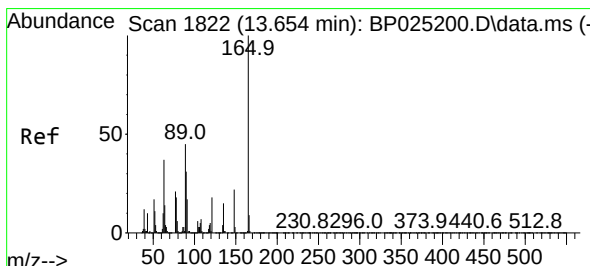
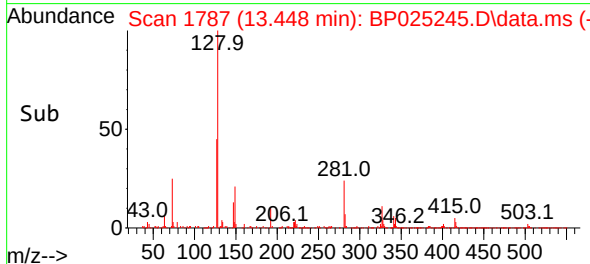
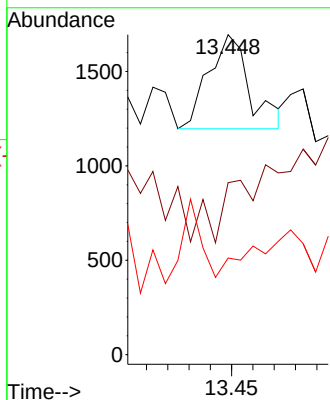
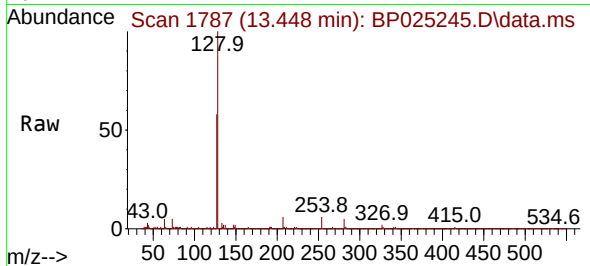




#50
Dimethylphthalate
Concen: 3.584 ng
RT: 13.448 min Scan# 11
Delta R.T. -0.100 min
Lab File: BP025245.D
Acq: 24 Jul 2025 16:50

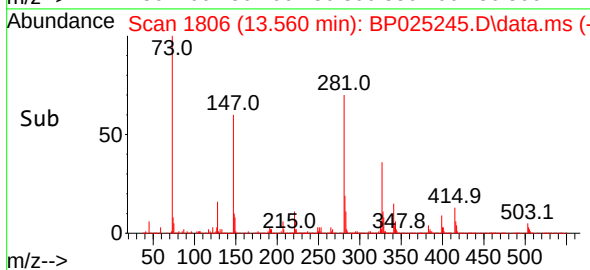
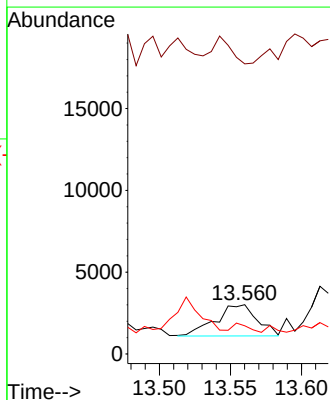
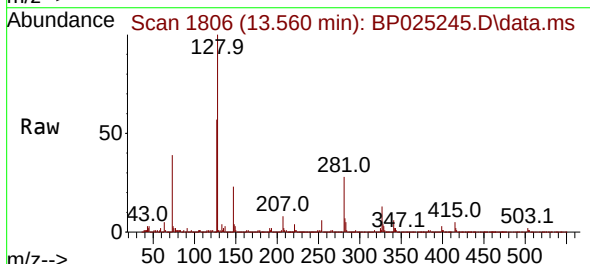
Instrument :
BNA_P
ClientSampleId :
CC0627-CLOXPL

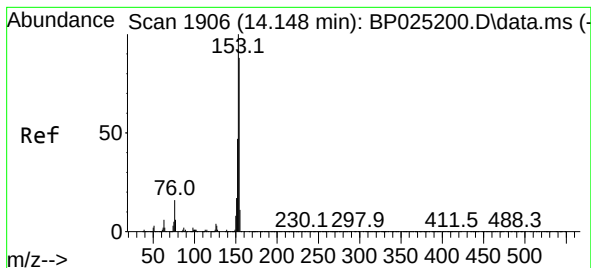
Tgt Ion:163 Resp: 667
Ion Ratio Lower Upper
163 100
194 53.7 3.3 4.9#
164 30.2 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 96.207 ng
RT: 13.560 min Scan# 1806
Delta R.T. -0.094 min
Lab File: BP025245.D
Acq: 24 Jul 2025 16:50

Tgt Ion:165 Resp: 3890
Ion Ratio Lower Upper
165 100
63 588.8 33.4 50.2#
89 57.2 36.3 54.5#





#52

Acenaphthene

Concen: 2.062 ng

RT: 13.966 min Scan# 11

Delta R.T. -0.182 min

Lab File: BP025245.D

Acq: 24 Jul 2025 16:50

Instrument :

BNA_P

ClientSampleId :

CC0627-CLOXPL

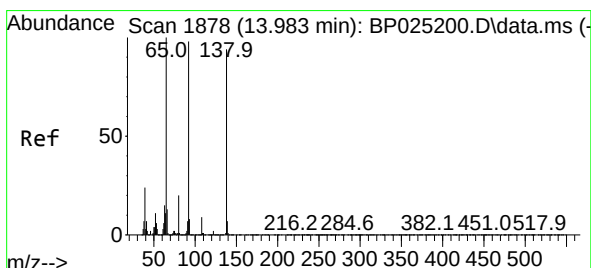
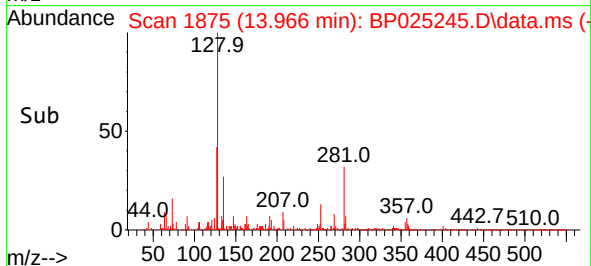
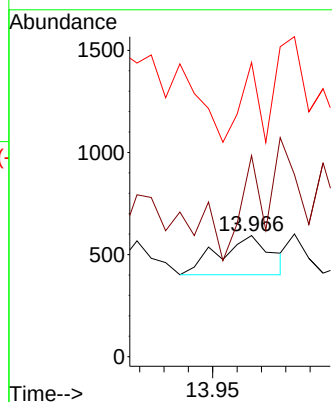
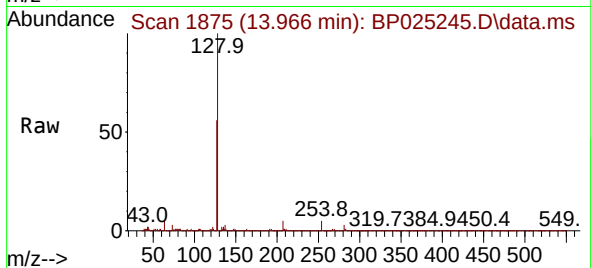
Tgt Ion:154 Resp: 284

Ion Ratio Lower Upper

154 100

153 166.1 90.7 136.1#

152 243.0 42.9 64.3#



#53

3-Nitroaniline

Concen: 51.034 ng

RT: 13.842 min Scan# 1854

Delta R.T. -0.141 min

Lab File: BP025245.D

Acq: 24 Jul 2025 16:50

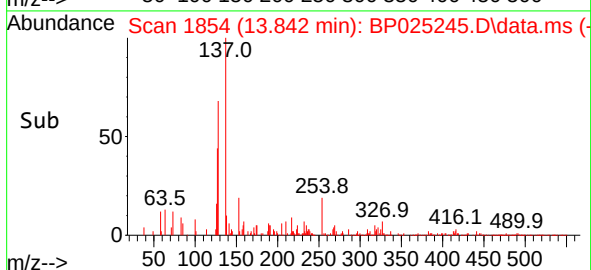
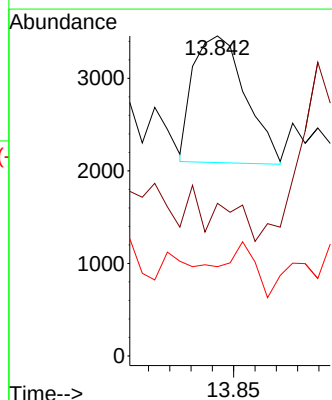
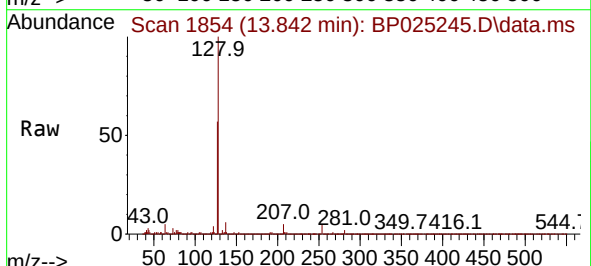
Tgt Ion:138 Resp: 2327

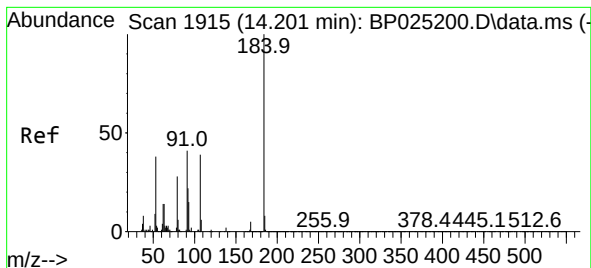
Ion Ratio Lower Upper

138 100

108 47.7 7.5 11.3#

92 27.9 83.2 124.8#

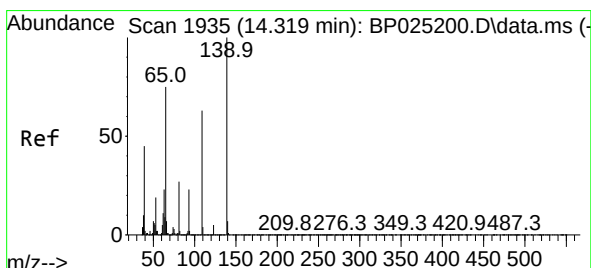
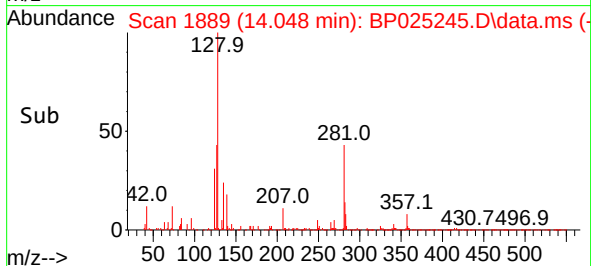
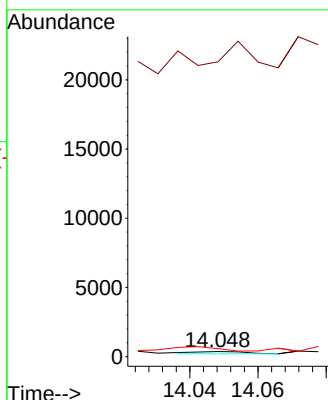
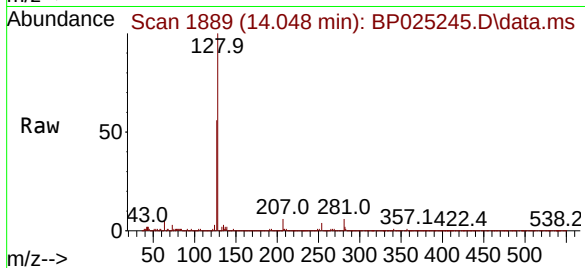




#54
2,4-Dinitrophenol
Concen: 6.846 ng
RT: 14.048 min Scan# 11
Delta R.T. -0.153 min
Lab File: BP025245.D
Acq: 24 Jul 2025 16:50

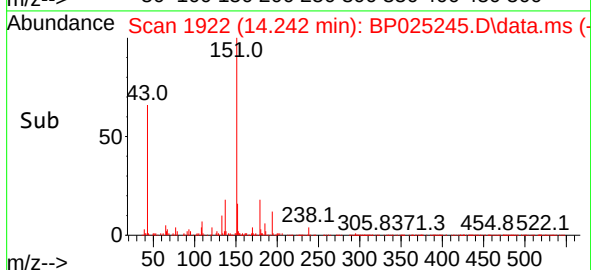
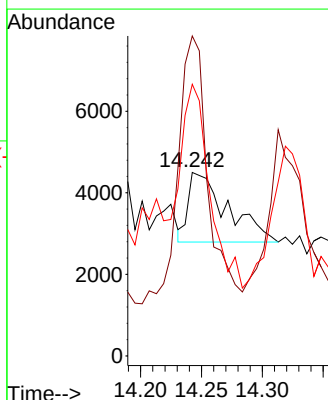
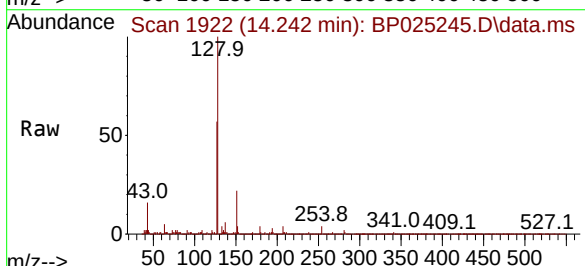
Instrument :
BNA_P
ClientSampleId :
CC0627-CLOXPL

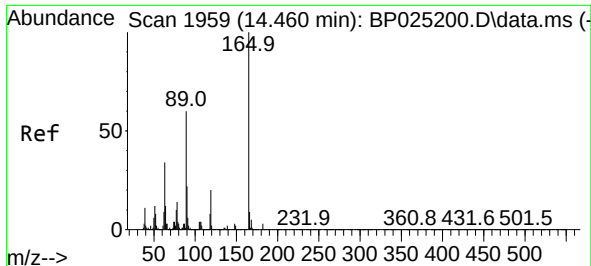
Tgt Ion:184 Resp: 164
Ion Ratio Lower Upper
184 100
63 5726.9 41.8 62.8#
154 155.6 45.7 68.5#



#56
4-Nitrophenol
Concen: 97.315 ng
RT: 14.242 min Scan# 1922
Delta R.T. -0.076 min
Lab File: BP025245.D
Acq: 24 Jul 2025 16:50

Tgt Ion:139 Resp: 3797
Ion Ratio Lower Upper
139 100
109 174.3 42.6 82.6#
65 148.0 55.4 95.4#

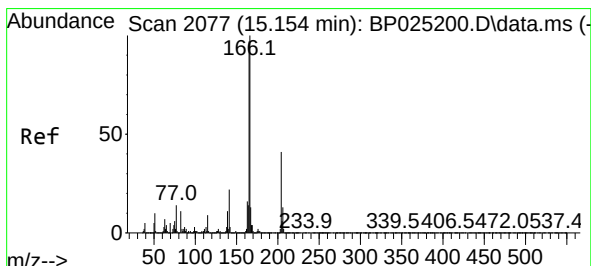
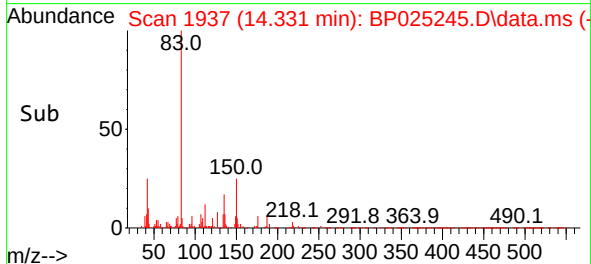
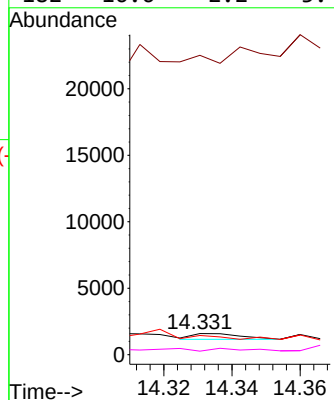
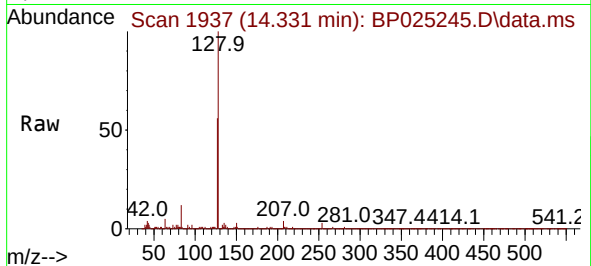




#57
2,4-Dinitrotoluene
Concen: 7.580 ng
RT: 14.331 min Scan# 1959
Delta R.T. -0.129 min
Lab File: BP025245.D
Acq: 24 Jul 2025 16:50

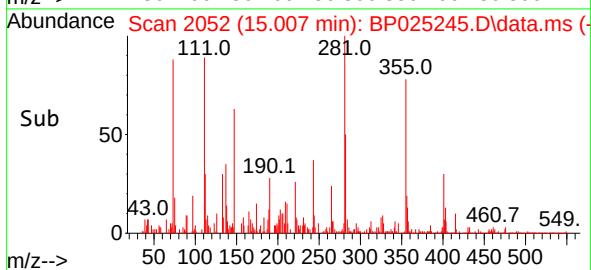
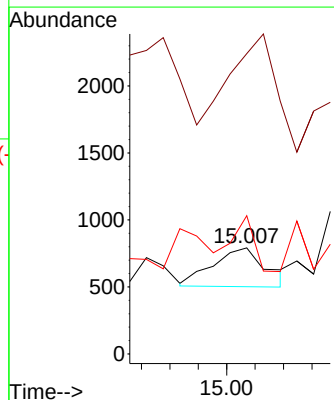
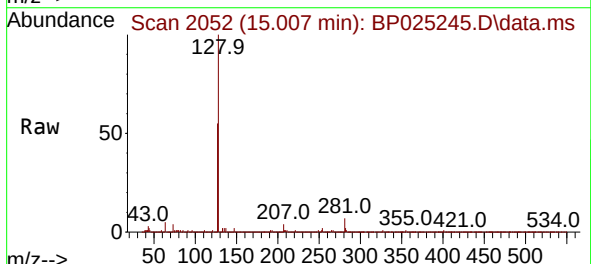
Instrument :
BNA_P
ClientSampleId :
CC0627-CLOXPL

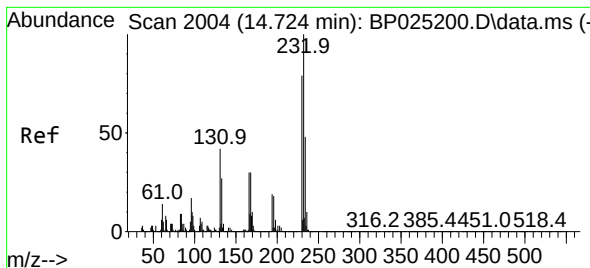
Tgt Ion:165 Resp: 429
Ion Ratio Lower Upper
165 100
63 1420.8 27.0 40.4#
89 91.4 47.8 71.6#
182 16.6 2.2 3.4#



#58
Fluorene
Concen: 2.117 ng
RT: 15.007 min Scan# 2052
Delta R.T. -0.147 min
Lab File: BP025245.D
Acq: 24 Jul 2025 16:50

Tgt Ion:166 Resp: 374
Ion Ratio Lower Upper
166 100
165 283.0 78.0 117.0#
167 130.2 10.7 16.1#

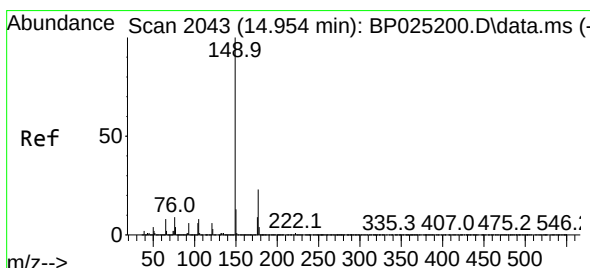
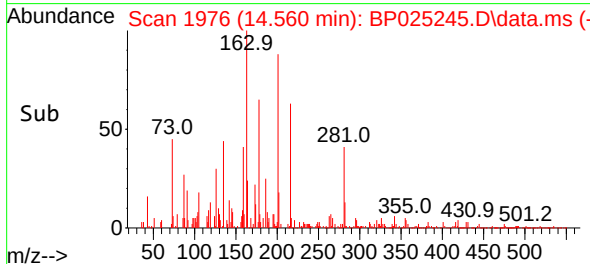
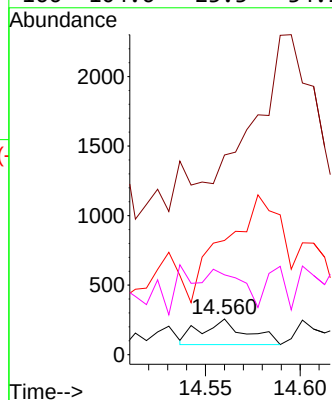
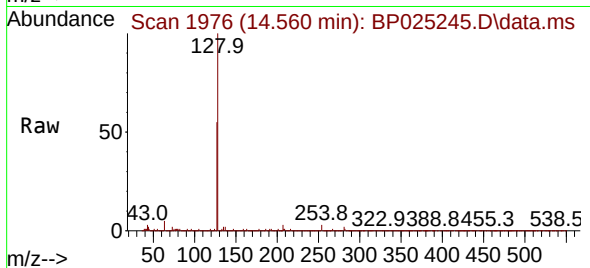




#59
2,3,4,6-Tetrachlorophenol
Concen: 5.838 ng
RT: 14.560 min Scan# 14
Delta R.T. -0.164 min
Lab File: BP025245.D
Acq: 24 Jul 2025 16:50

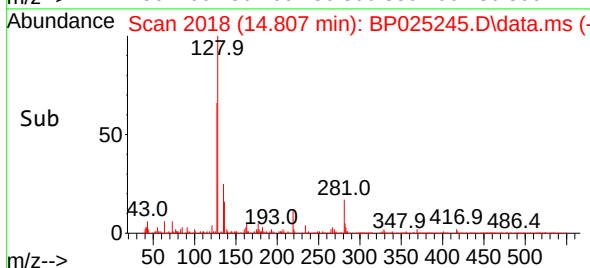
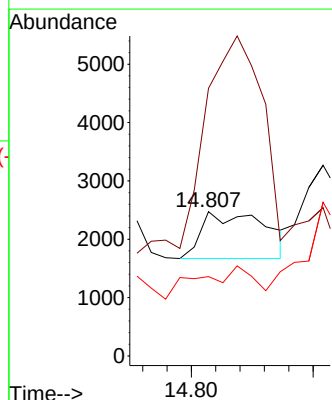
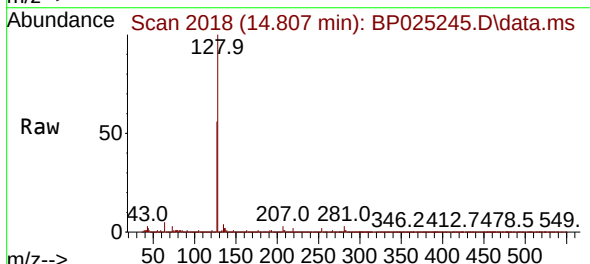
Instrument :
BNA_P
ClientSampleId :
CC0627-CLOXPL

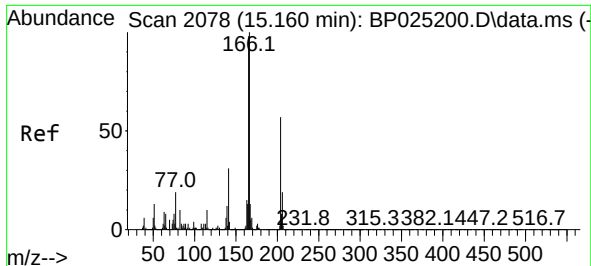
Tgt Ion:232 Resp: 303
Ion Ratio Lower Upper
232 100
131 0.0 32.6 48.8#
130 0.0 1.6 2.4#
166 104.6 23.3 34.9#



#60
Diethylphthalate
Concen: 7.862 ng
RT: 14.807 min Scan# 2018
Delta R.T. -0.147 min
Lab File: BP025245.D
Acq: 24 Jul 2025 16:50

Tgt Ion:149 Resp: 1442
Ion Ratio Lower Upper
149 100
177 185.5 18.4 27.6#
150 55.0 10.0 15.0#

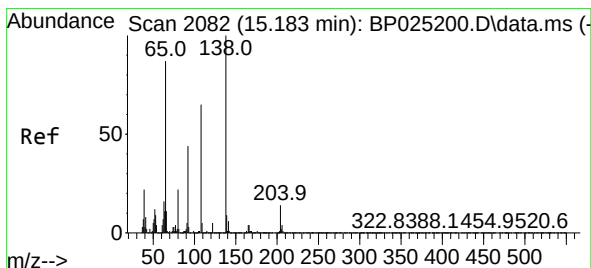
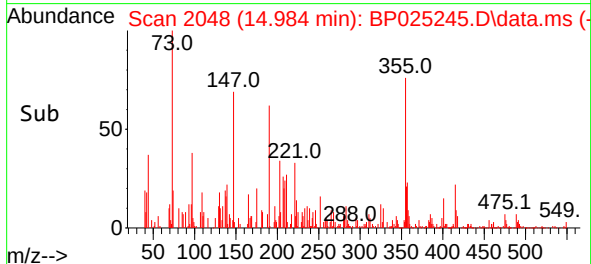
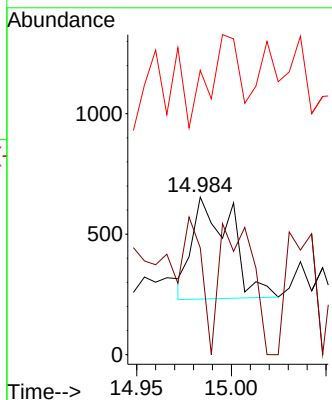
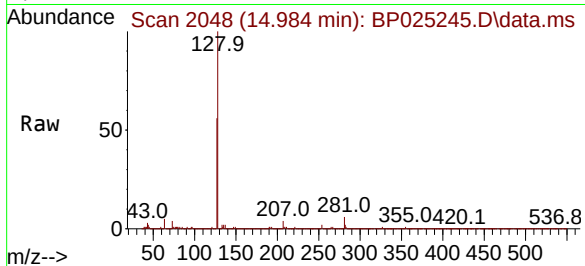




#61
4-Chlorophenyl-phenylether
Concen: 6.734 ng
RT: 14.984 min Scan# 2048
Delta R.T. -0.176 min
Lab File: BP025245.D
Acq: 24 Jul 2025 16:50

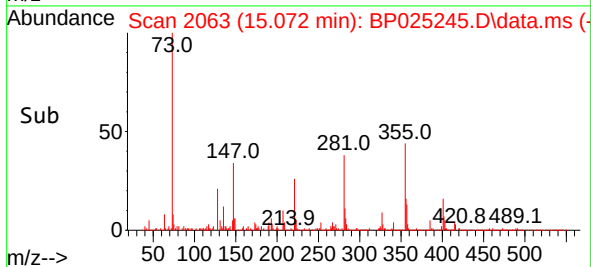
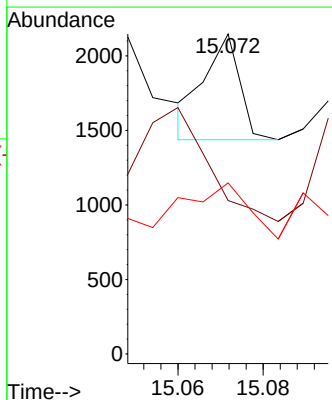
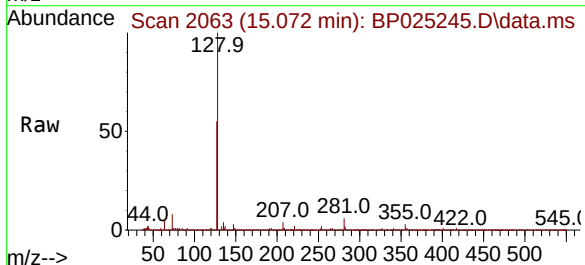
Instrument :
BNA_P
ClientSampleId :
CC0627-CLOXPL

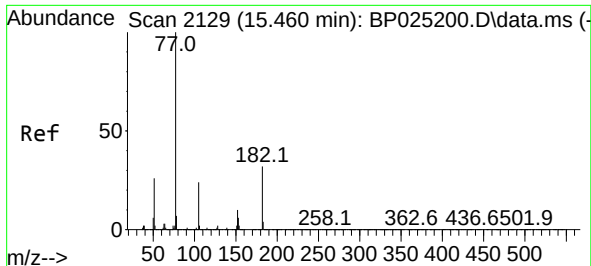
Tgt Ion:204 Resp: 601
Ion Ratio Lower Upper
204 100
206 67.7 26.3 39.5#
141 180.4 43.0 64.6#



#62
4-Nitroaniline
Concen: 8.626 ng
RT: 15.072 min Scan# 2063
Delta R.T. -0.111 min
Lab File: BP025245.D
Acq: 24 Jul 2025 16:50

Tgt Ion:138 Resp: 400
Ion Ratio Lower Upper
138 100
92 48.0 24.0 64.0
108 53.5 44.9 84.9

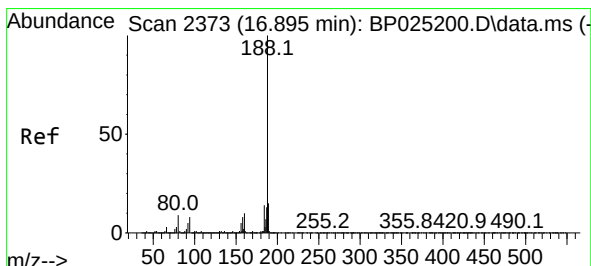
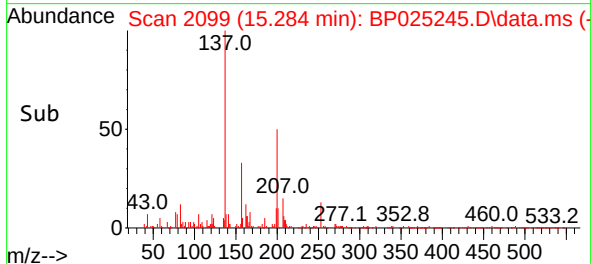
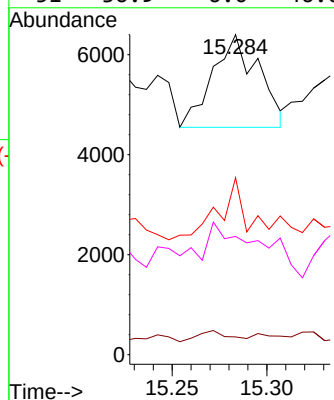
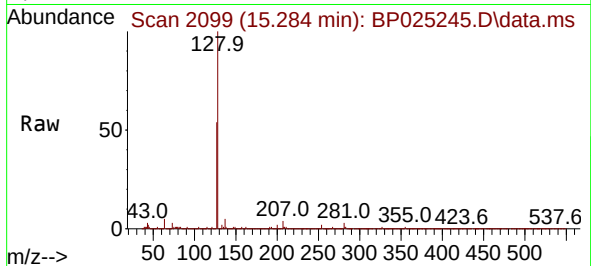




#63
Azobenzene
Concen: 20.848 ng
RT: 15.284 min Scan# 2099
Delta R.T. -0.176 min
Lab File: BP025245.D
Acq: 24 Jul 2025 16:50

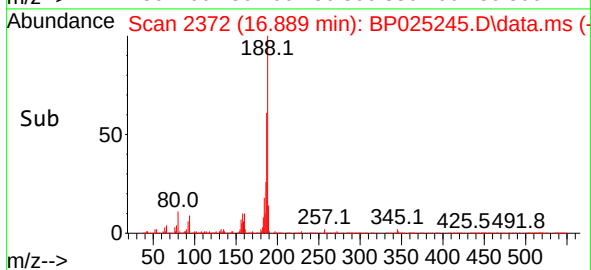
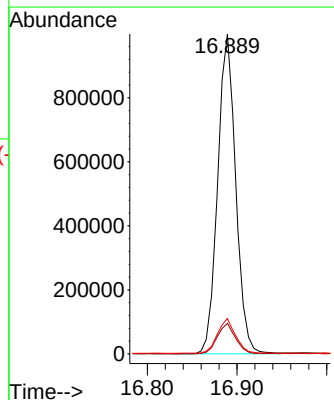
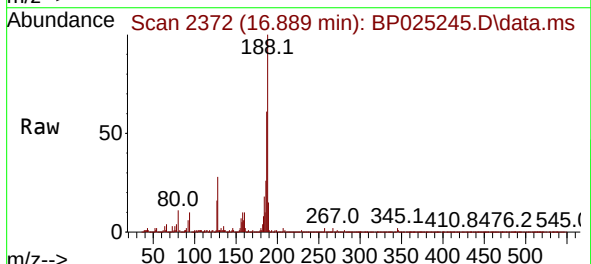
Instrument :
BNA_P
ClientSampleId :
CC0627-CLOXPL

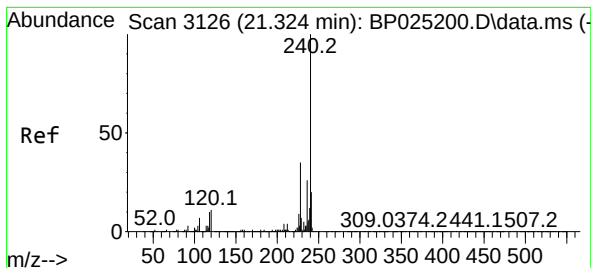
Tgt Ion: 77 Resp: 3116
Ion Ratio Lower Upper
77 100
182 5.6 12.0 52.0#
105 55.3 3.6 43.6#
51 36.9 6.0 46.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.889 min Scan# 2372
Delta R.T. -0.006 min
Lab File: BP025245.D
Acq: 24 Jul 2025 16:50

Tgt Ion:188 Resp: 1393965
Ion Ratio Lower Upper
188 100
94 9.6 6.8 10.2
80 11.1 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: BP025245.D

Acq: 24 Jul 2025 16:50

Instrument :

BNA_P

ClientSampleId :

CC0627-CLOXPL

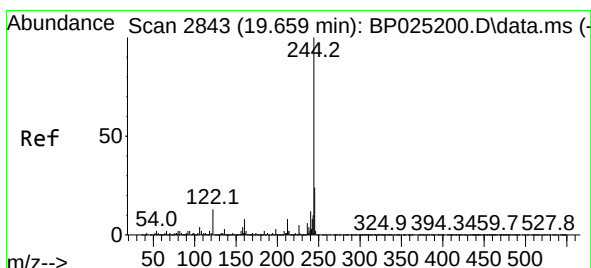
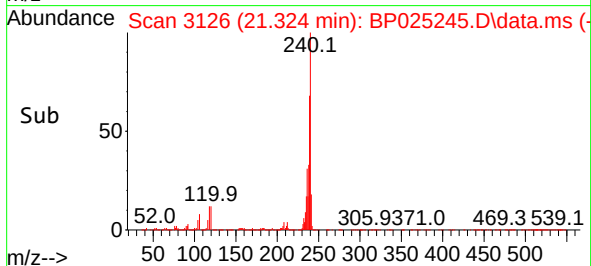
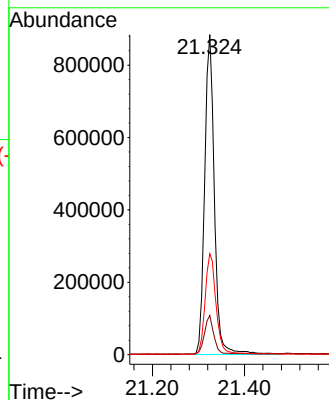
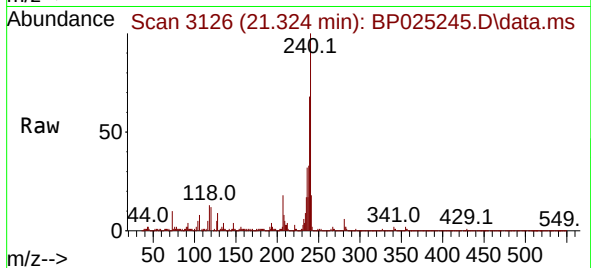
Tgt Ion:240 Resp: 1310534

Ion Ratio Lower Upper

240 100

120 12.2 8.8 13.2

236 31.5 20.9 31.3#



#79

Terphenyl-d14

Concen: 15.821 ng

RT: 19.654 min Scan# 2842

Delta R.T. -0.005 min

Lab File: BP025245.D

Acq: 24 Jul 2025 16:50

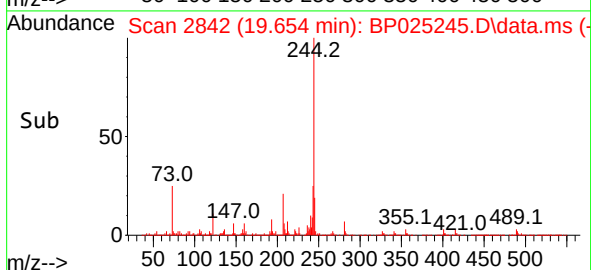
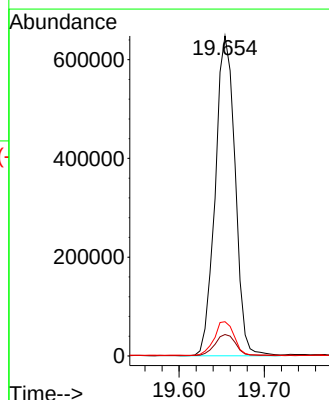
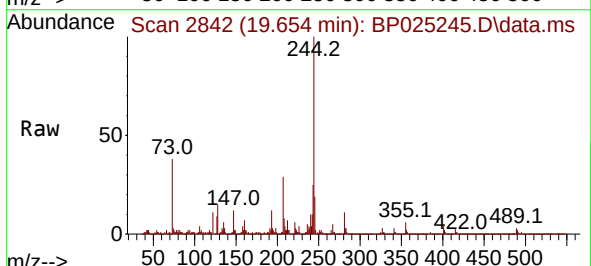
Tgt Ion:244 Resp: 1050314

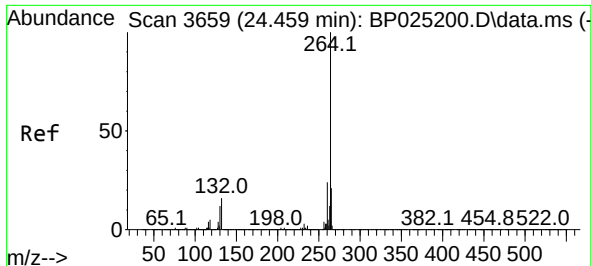
Ion Ratio Lower Upper

244 100

212 6.7 6.6 9.8

122 10.7 10.3 15.5

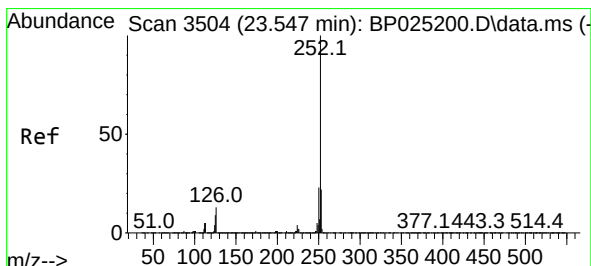
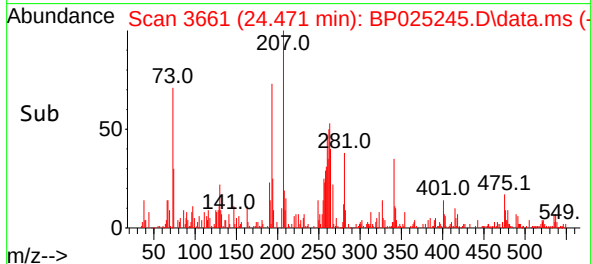
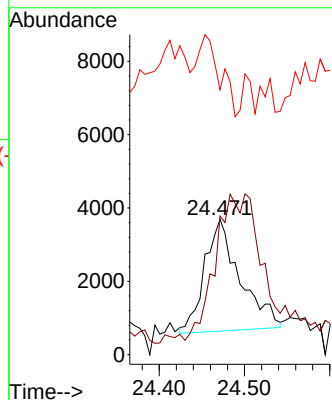
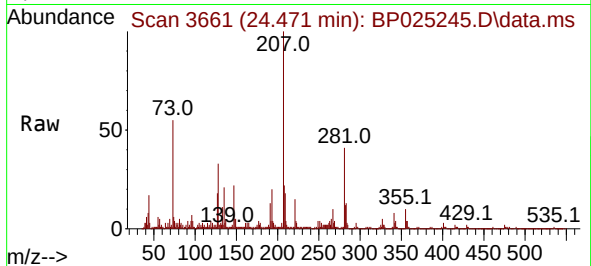




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.471 min Scan# 30
 Delta R.T. 0.012 min
 Lab File: BP025245.D
 Acq: 24 Jul 2025 16:50

Instrument :
 BNA_P
 ClientSampleId :
 CC0627-CLOXPL

Tgt Ion:264 Resp: 8832
 Ion Ratio Lower Upper
 264 100
 260 102.5 19.0 28.6#
 265 195.9 17.5 26.3#



#89
 Benzo(k)fluoranthene
 Concen: 2.056 ng
 RT: 23.565 min Scan# 3507
 Delta R.T. 0.018 min
 Lab File: BP025245.D
 Acq: 24 Jul 2025 16:50

Tgt Ion:252 Resp: 1026
 Ion Ratio Lower Upper
 252 100
 253 192.5 17.8 26.6#
 125 106.7 7.5 11.3#

