

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080825\
 Data File : BP025341.D
 Acq On : 08 Aug 2025 20:47
 Operator : CG/JU
 Sample : Q2759-04 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LIQUID-DRUM

Quant Time: Aug 11 01:51:14 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 06 06:41:44 2025
 Response via : Initial Calibration

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

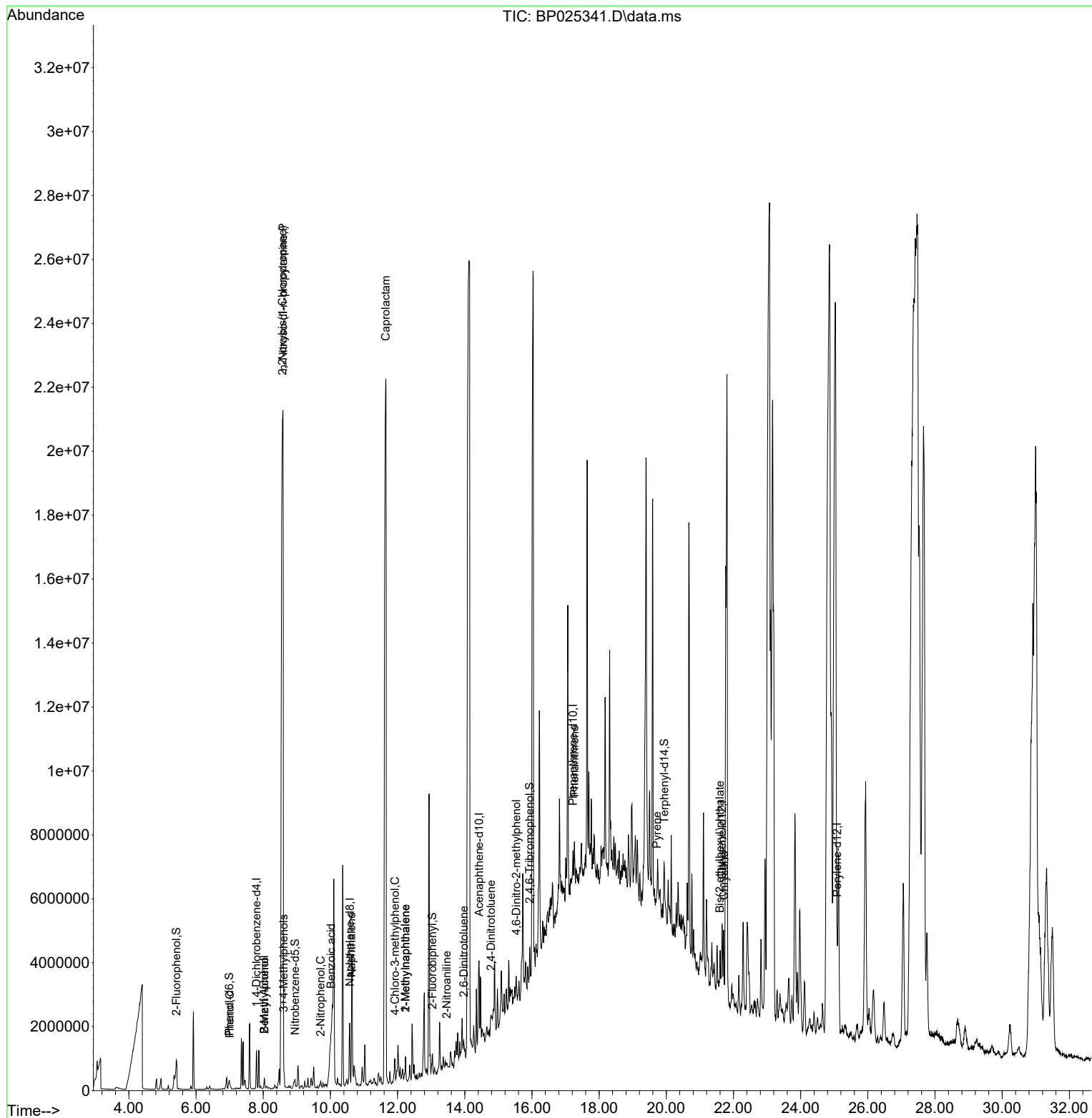
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	315275	20.000	ng	0.00
21) Naphthalene-d8	10.578	136	1116824	20.000	ng	0.00
39) Acenaphthene-d10	14.425	164	598901	20.000	ng	0.00
64) Phenanthrene-d10	17.225	188	1064158	20.000	ng	# 0.00
76) Chrysene-d12	21.660	240	1220341	20.000	ng	0.00
86) Perylene-d12	25.089	264	1394163	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.414	112	147569	7.528	ng	0.00
7) Phenol-d6	6.984	99	152836	5.924	ng	0.02
23) Nitrobenzene-d5	8.943	82	152639	7.572	ng	0.00
42) 2,4,6-Tribromophenol	15.931	330	63862	10.689	ng	0.00
45) 2-Fluorobiphenyl	13.037	172	325678	7.511	ng	0.00
79) Terphenyl-d14	19.942	244	447787	6.931	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.002	94	119885	4.343	ng	96
15) Benzyl Alcohol	8.031	79	108074	5.404	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.572	45	375499	10.991	ng	84
17) 2-Methylphenol	8.031	107	61065	3.306	ng	# 14
19) n-Nitroso-di-n-propyla...	8.590	70	6982116	411.927	ng	# 82
20) 3+4-Methylphenols	8.608	107	129573	5.095	ng	92
26) 2-Nitrophenol	9.708	139	3325	4.008	ng	# 1
31) Naphthalene	10.625	128	135544	2.338	ng	97
32) Benzoic acid	10.019	122	75872	13.789	ng	91
35) Caprolactam	11.643	113	120509	19.179	ng	# 1
36) 4-Chloro-3-methylphenol	11.919	107	133867	7.143	ng	# 20
37) 2-Methylnaphthalene	12.237	142	308593	8.223	ng	99
38) 1-Methylnaphthalene	12.237	142	308332	7.875	ng	98
48) 2-Nitroaniline	13.466	65	3314	3.279	ng	# 50
51) 2,6-Dinitrotoluene	13.972	165	18797	2.334	ng	# 65
57) 2,4-Dinitrotoluene	14.784	165	9882	3.993	ng	# 68
65) 4,6-Dinitro-2-methylph...	15.537	198	3319	5.672	ng	# 1
71) Phenanthrene	17.266	178	301092	5.166	ng	# 71
78) Pyrene	19.719	202	255985	3.154	ng	# 90
83) Chrysene	21.713	228	169171	2.249	ng	# 68
84) Bis(2-ethylhexyl)phtha...	21.595	149	244727	4.657	ng	97

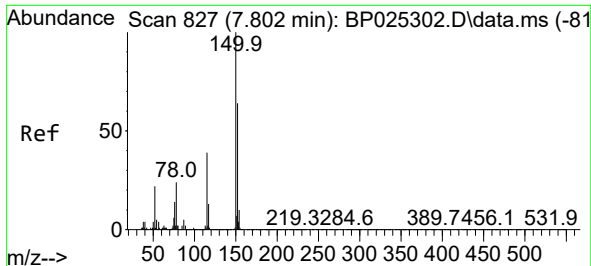
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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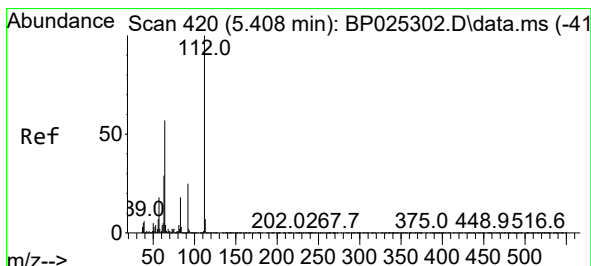
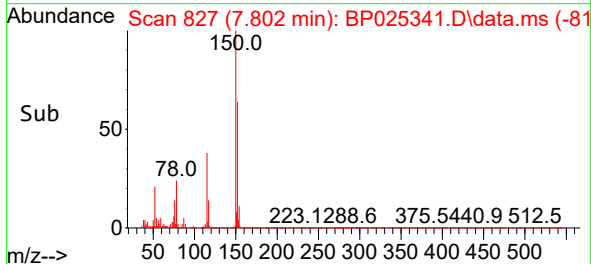
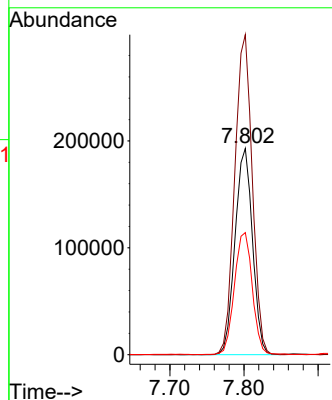
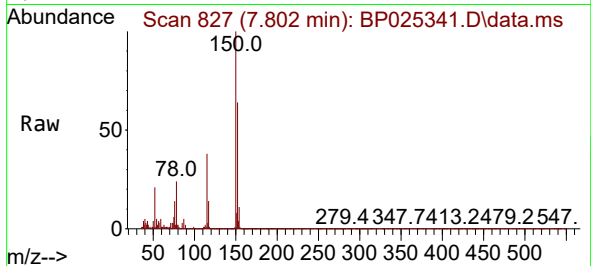




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.802 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BP025341.D
 Acq: 08 Aug 2025 20:47

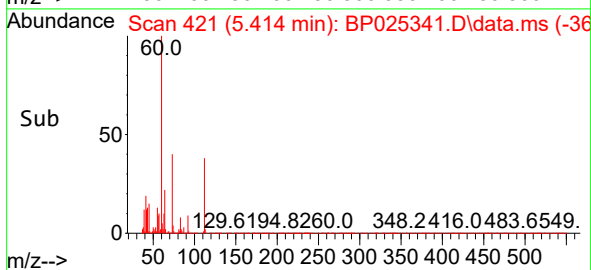
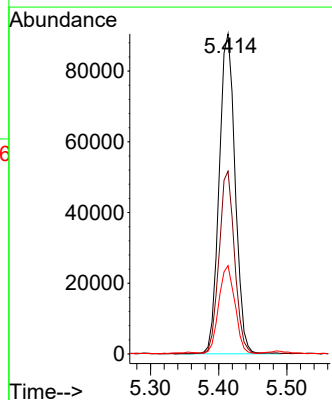
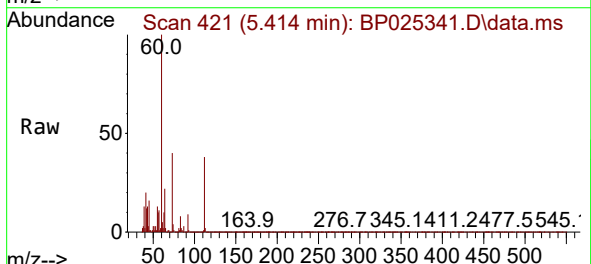
Instrument :
 BNA_P
 ClientSampleId :
 LIQUID-DRUM

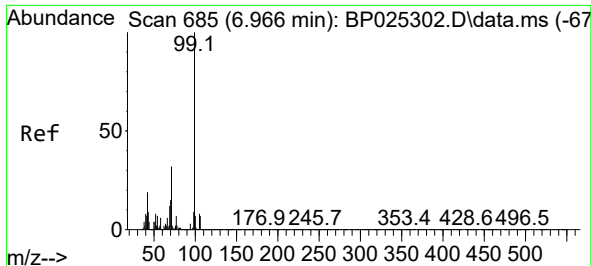
Tgt Ion:152 Resp: 315275
 Ion Ratio Lower Upper
 152 100
 150 155.1 125.1 187.7
 115 59.2 48.4 72.6



#5
 2-Fluorophenol
 Concen: 7.528 ng
 RT: 5.414 min Scan# 421
 Delta R.T. 0.006 min
 Lab File: BP025341.D
 Acq: 08 Aug 2025 20:47

Tgt Ion:112 Resp: 147569
 Ion Ratio Lower Upper
 112 100
 64 57.1 45.3 67.9
 63 27.6 23.0 34.6

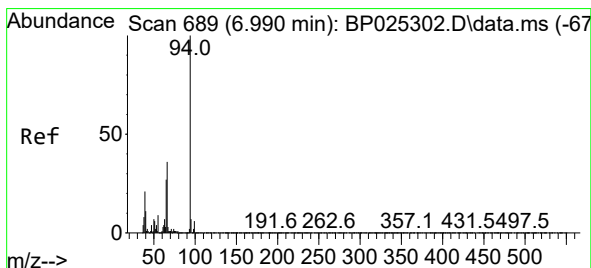
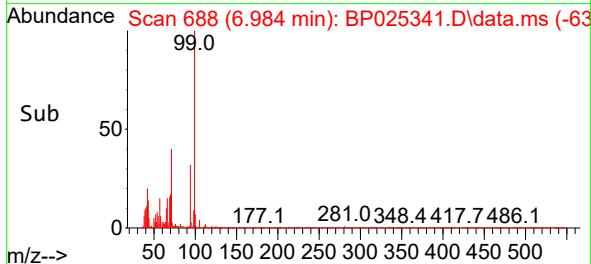
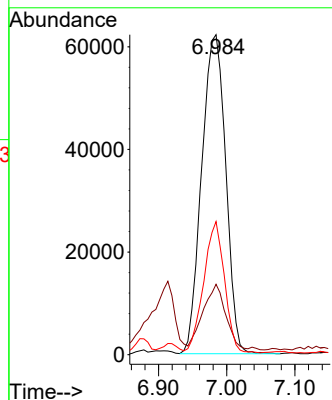
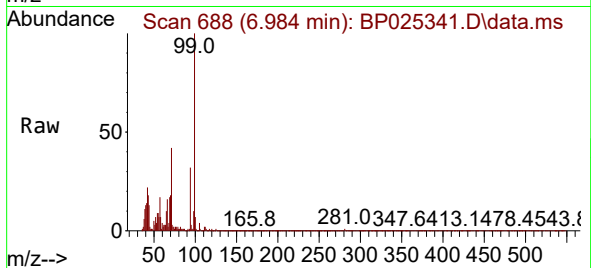




#7
Phenol-d6
Concen: 5.924 ng
RT: 6.984 min Scan# 688
Delta R.T. 0.018 min
Lab File: BP025341.D
Acq: 08 Aug 2025 20:47

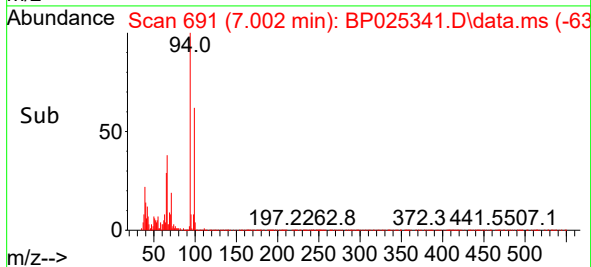
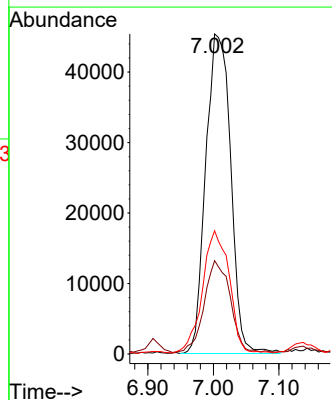
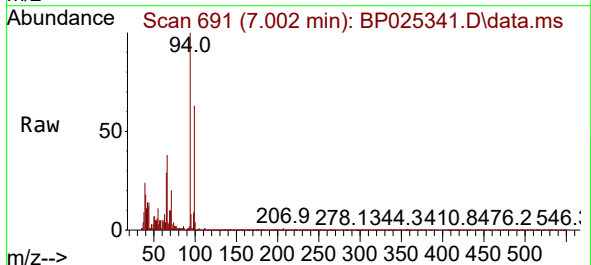
Instrument :
BNA_P
ClientSampleId :
LIQUID-DRUM

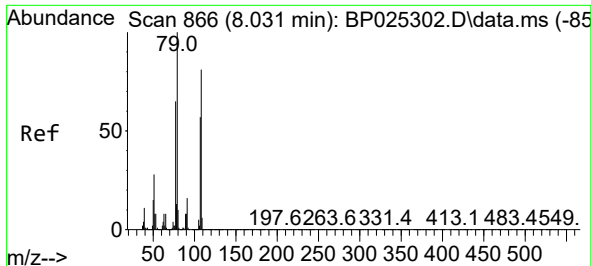
Tgt Ion: 99 Resp: 152836
Ion Ratio Lower Upper
99 100
42 22.0 15.0 22.6
71 41.6 25.5 38.3#



#10
Phenol
Concen: 4.343 ng
RT: 7.002 min Scan# 691
Delta R.T. 0.012 min
Lab File: BP025341.D
Acq: 08 Aug 2025 20:47

Tgt Ion: 94 Resp: 119885
Ion Ratio Lower Upper
94 100
65 29.1 7.3 47.3
66 38.5 15.7 55.7

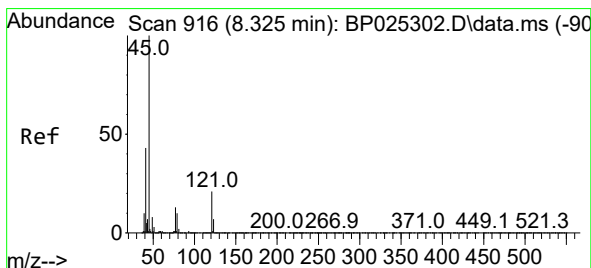
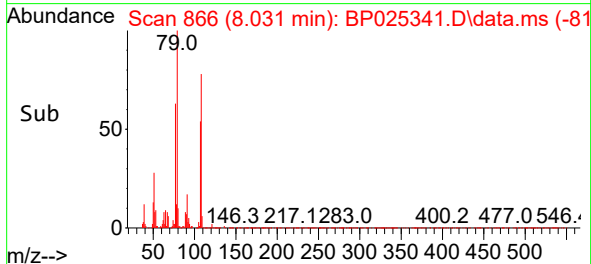
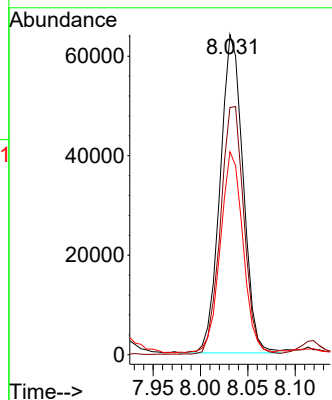
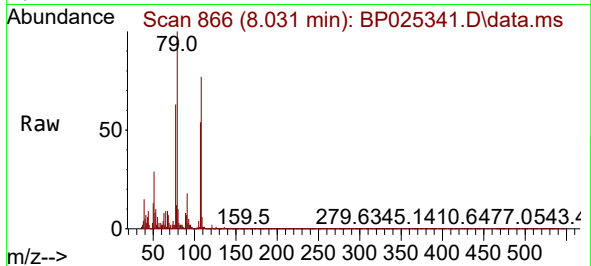




#15
Benzyl Alcohol
Concen: 5.404 ng
RT: 8.031 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP025341.D
Acq: 08 Aug 2025 20:47

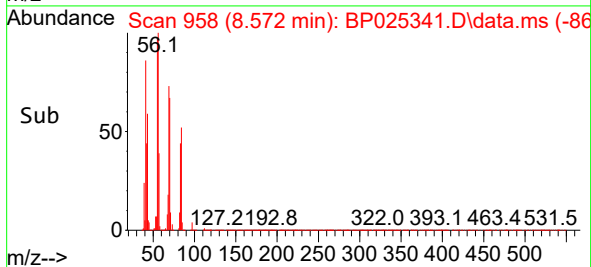
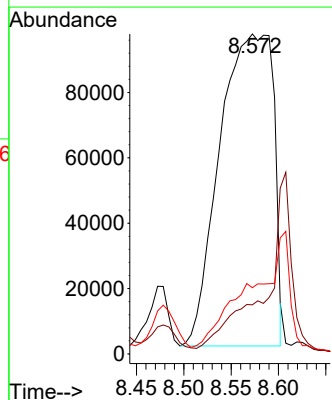
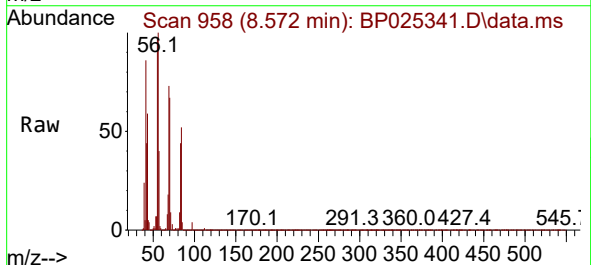
Instrument :
BNA_P
ClientSampleId :
LIQUID-DRUM

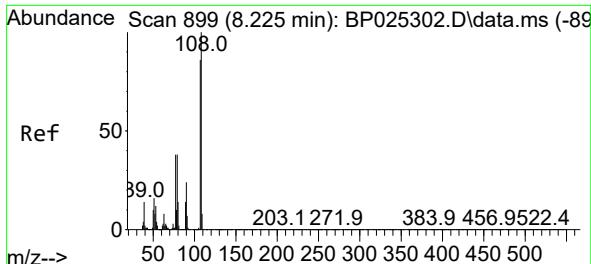
Tgt Ion: 79 Resp: 108074
Ion Ratio Lower Upper
79 100
108 77.2 64.5 96.7
77 63.4 51.9 77.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.991 ng
RT: 8.572 min Scan# 958
Delta R.T. 0.247 min
Lab File: BP025341.D
Acq: 08 Aug 2025 20:47

Tgt Ion: 45 Resp: 375499
Ion Ratio Lower Upper
45 100
77 15.4 0.0 33.0
79 20.7 0.0 29.8

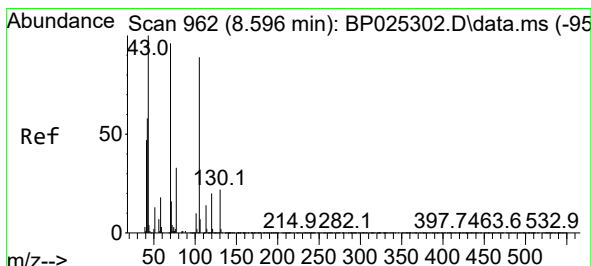
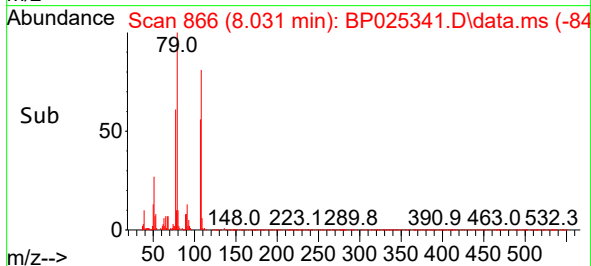
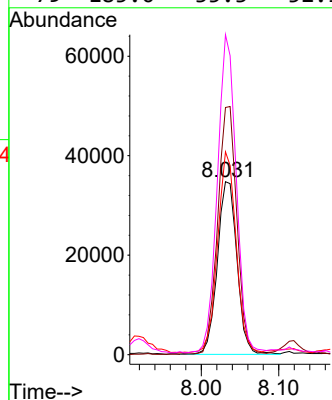
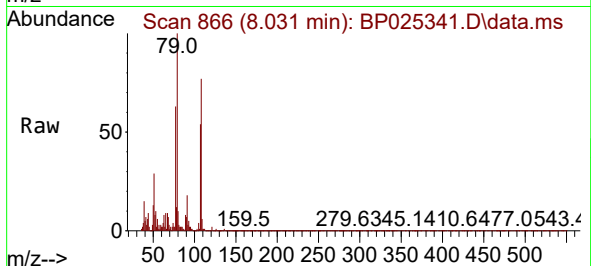




#17
2-Methylphenol
Concen: 3.306 ng
RT: 8.031 min Scan# 80
Delta R.T. -0.194 min
Lab File: BP025341.D
Acq: 08 Aug 2025 20:47

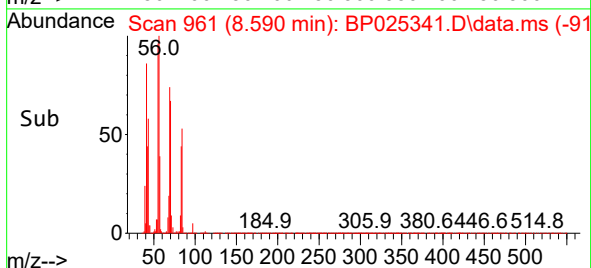
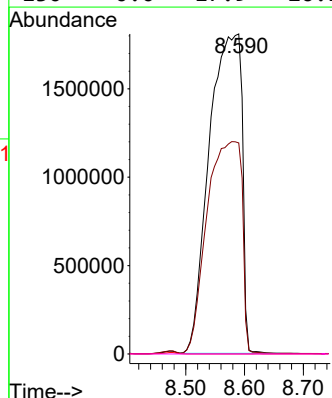
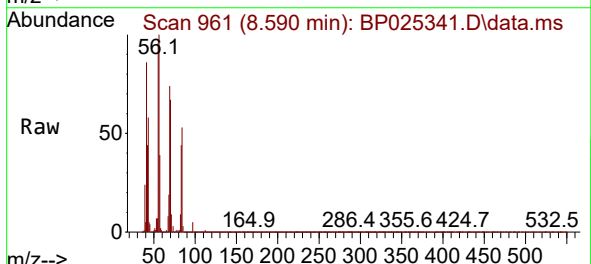
Instrument :
BNA_P
ClientSampleId :
LIQUID-DRUM

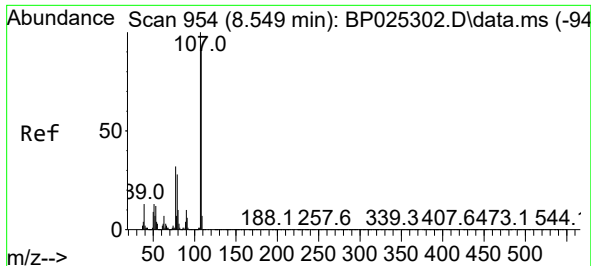
Tgt Ion:	107	Resp:	61065
Ion	Ratio	Lower	Upper
107	100		
108	142.9	92.6	139.0#
77	117.3	35.4	53.2#
79	185.0	35.3	52.9#



#19
n-Nitroso-di-n-propylamine
Concen: 411.927 ng
RT: 8.590 min Scan# 961
Delta R.T. -0.006 min
Lab File: BP025341.D
Acq: 08 Aug 2025 20:47

Tgt Ion:	70	Resp:	6982116
Ion	Ratio	Lower	Upper
70	100		
42	66.0	49.4	74.0
101	0.0	7.9	11.9#
130	0.0	17.9	26.9#

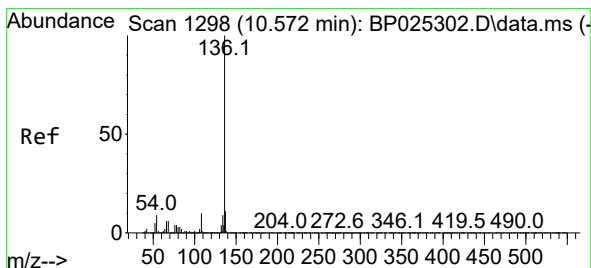
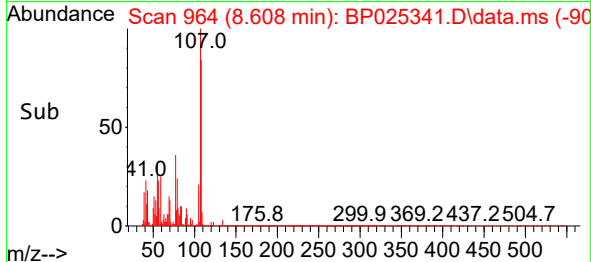
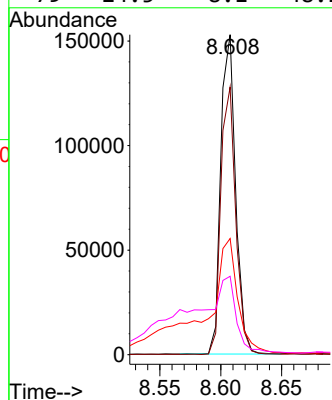
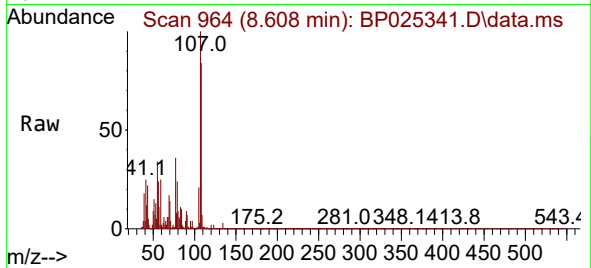




#20
3+4-Methylphenols
Concen: 5.095 ng
RT: 8.608 min Scan# 90
Delta R.T. 0.059 min
Lab File: BP025341.D
Acq: 08 Aug 2025 20:47

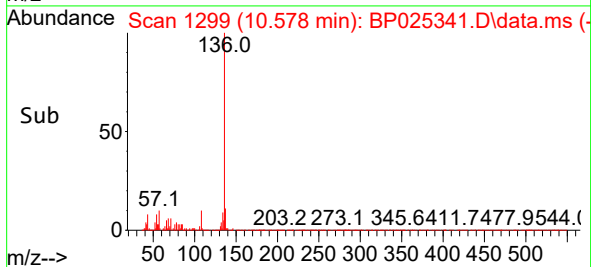
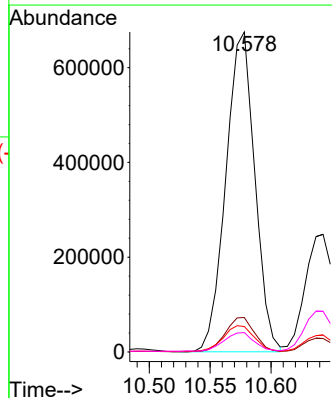
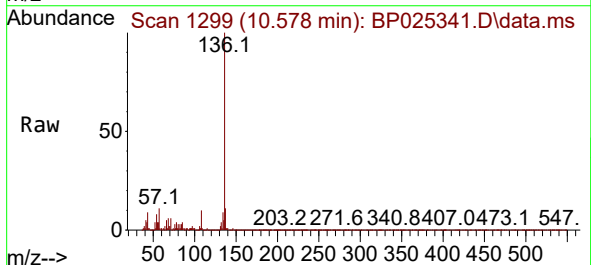
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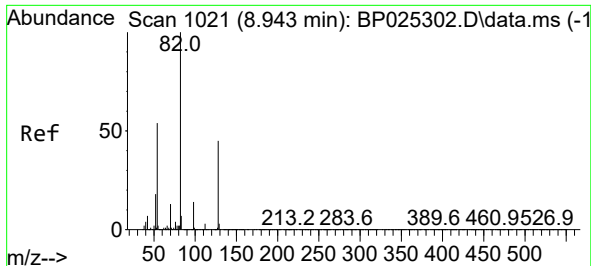
Tgt Ion:107 Resp: 129573
Ion Ratio Lower Upper
107 100
108 83.6 71.9 111.9
77 36.3 12.0 52.0
79 24.5 8.1 48.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.578 min Scan# 1299
Delta R.T. 0.006 min
Lab File: BP025341.D
Acq: 08 Aug 2025 20:47

Tgt Ion:136 Resp: 1116824
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 8.0 7.0 10.6
68 6.0 5.0 7.6

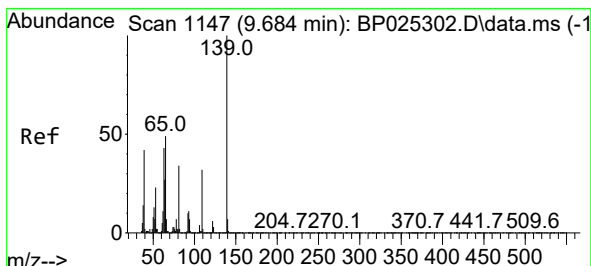
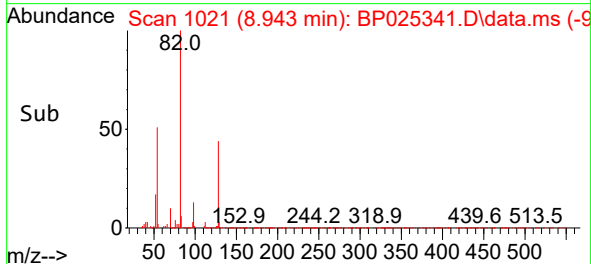
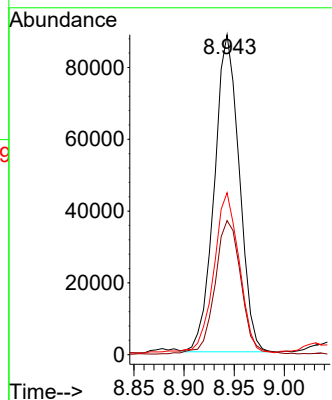
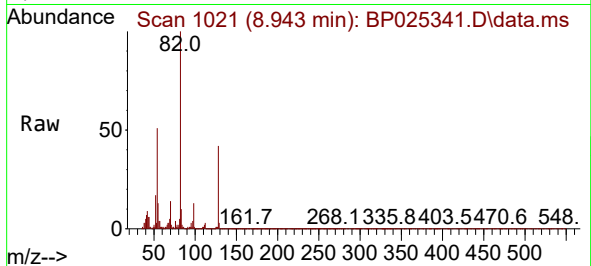




#23
Nitrobenzene-d5
Concen: 7.572 ng
RT: 8.943 min Scan# 1021
Delta R.T. -0.000 min
Lab File: BP025341.D
Acq: 08 Aug 2025 20:47

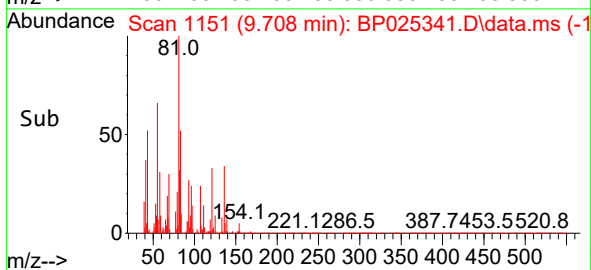
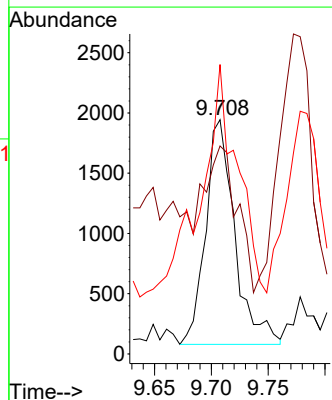
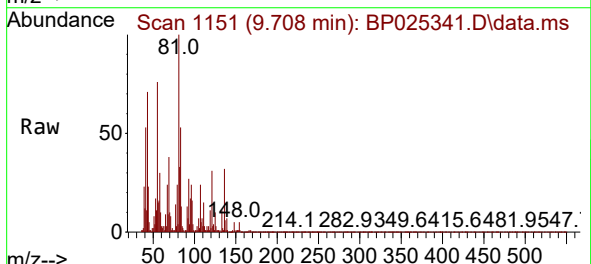
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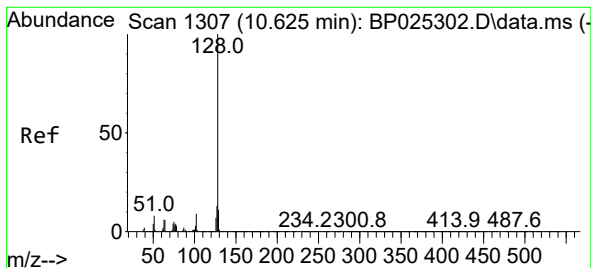
Tgt Ion: 82 Resp: 152639
Ion Ratio Lower Upper
82 100
128 41.9 35.4 53.2
54 50.6 42.9 64.3



#26
2-Nitrophenol
Concen: 4.008 ng
RT: 9.708 min Scan# 1151
Delta R.T. 0.024 min
Lab File: BP025341.D
Acq: 08 Aug 2025 20:47

Tgt Ion:139 Resp: 3325
Ion Ratio Lower Upper
139 100
109 88.8 25.2 37.8#
65 123.6 39.6 59.4#





#31

Naphthalene

Concen: 2.338 ng

RT: 10.625 min Scan# 11

Delta R.T. 0.000 min

Lab File: BP025341.D

Acq: 08 Aug 2025 20:47

Instrument :

BNA_P

ClientSampleId :

LIQUID-DRUM

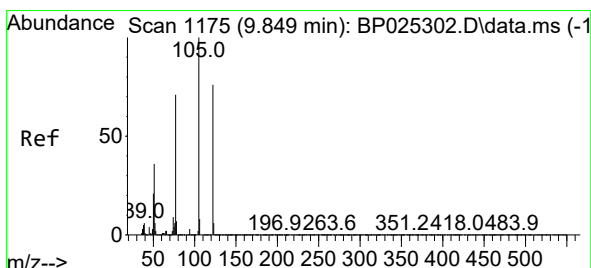
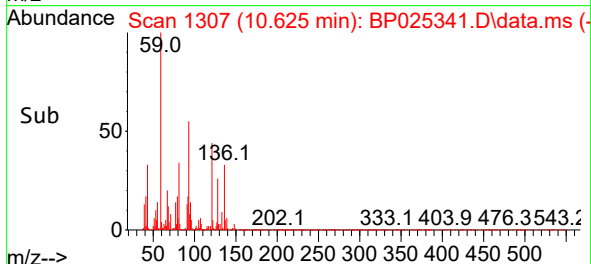
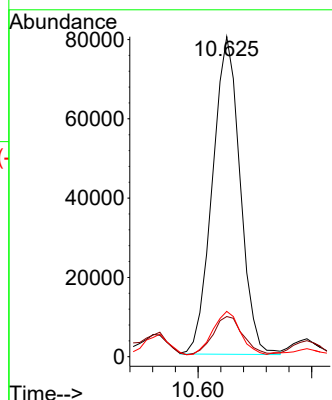
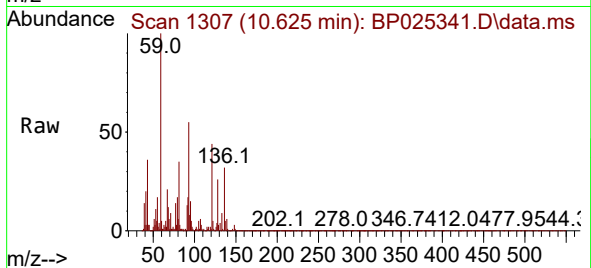
Tgt Ion:128 Resp: 135544

Ion Ratio Lower Upper

128 100

129 12.6 8.9 13.3

127 14.1 10.4 15.6



#32

Benzoic acid

Concen: 13.789 ng

RT: 10.019 min Scan# 1204

Delta R.T. 0.170 min

Lab File: BP025341.D

Acq: 08 Aug 2025 20:47

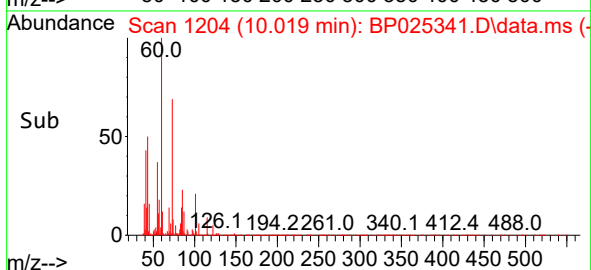
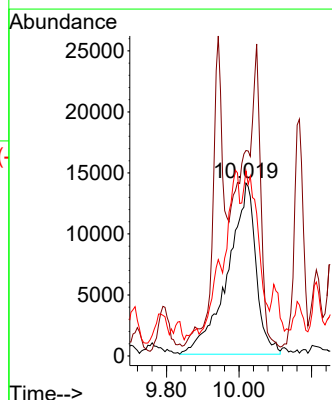
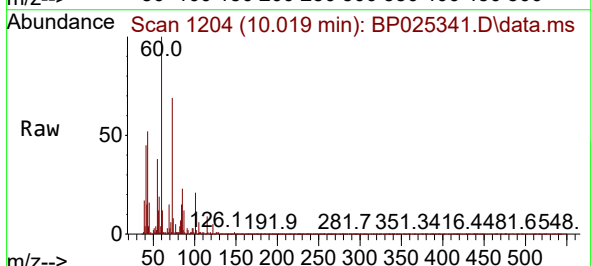
Tgt Ion:122 Resp: 75872

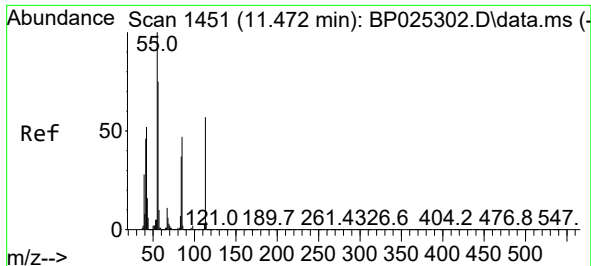
Ion Ratio Lower Upper

122 100

105 118.9 104.0 144.0

77 107.2 71.8 111.8

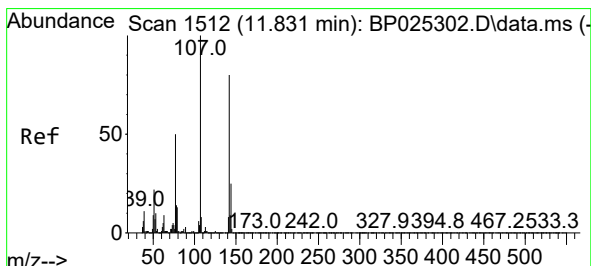
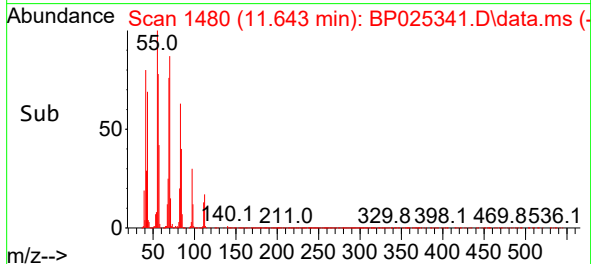
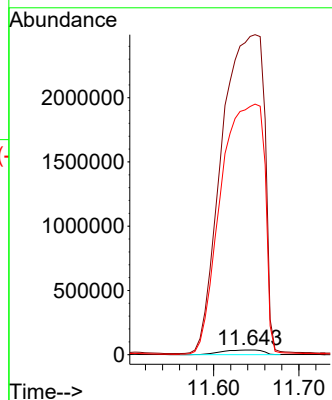
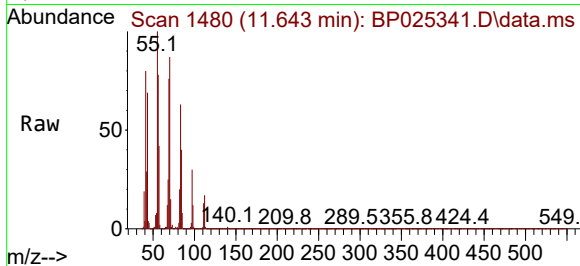




#35
Caprolactam
Concen: 19.179 ng
RT: 11.643 min Scan# 1451
Delta R.T. 0.171 min
Lab File: BP025341.D
Acq: 08 Aug 2025 20:47

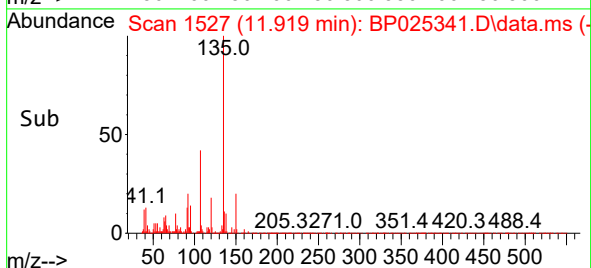
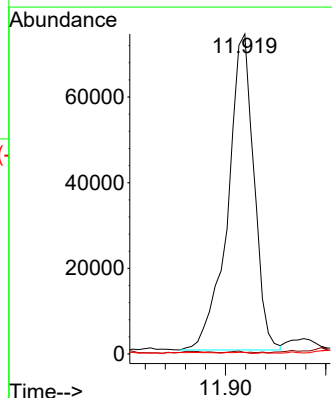
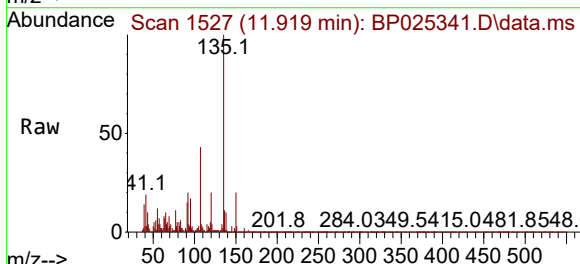
Instrument :
BNA_P
ClientSampleId :
LIQUID-DRUM

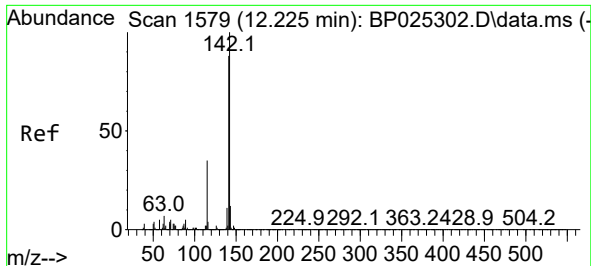
Tgt Ion:113 Resp: 120509
Ion Ratio Lower Upper
113 100
55 6790.3 154.4 194.4#
56 5295.2 110.9 150.9#



#36
4-Chloro-3-methylphenol
Concen: 7.143 ng
RT: 11.919 min Scan# 1527
Delta R.T. 0.088 min
Lab File: BP025341.D
Acq: 08 Aug 2025 20:47

Tgt Ion:107 Resp: 133867
Ion Ratio Lower Upper
107 100
144 0.4 20.4 30.6#
142 0.5 63.7 95.5#

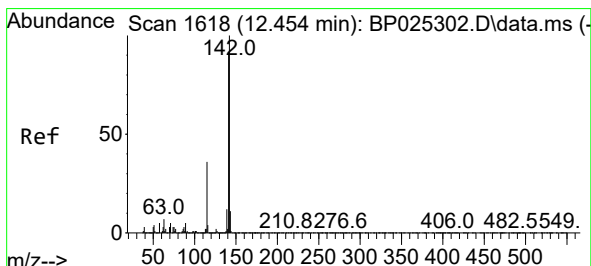
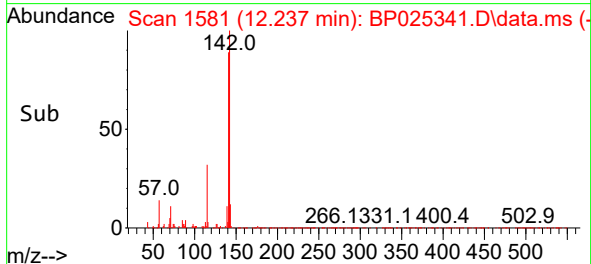
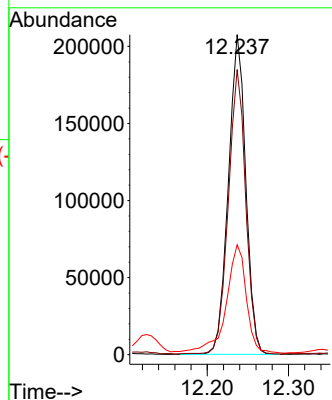
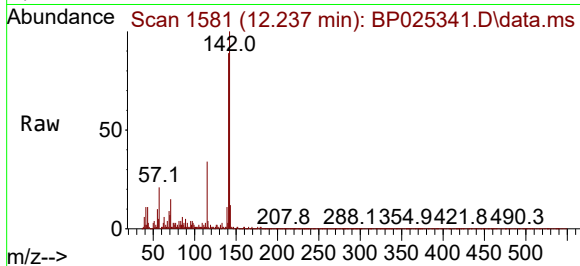




#37
2-Methylnaphthalene
Concen: 8.223 ng
RT: 12.237 min Scan# 1581
Delta R.T. 0.012 min
Lab File: BP025341.D
Acq: 08 Aug 2025 20:47

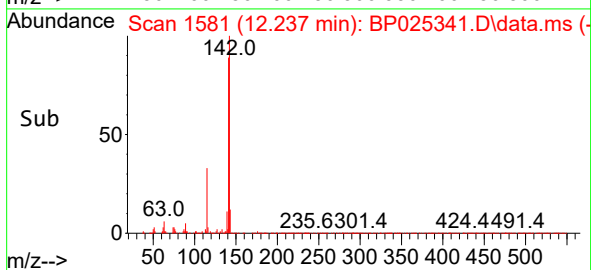
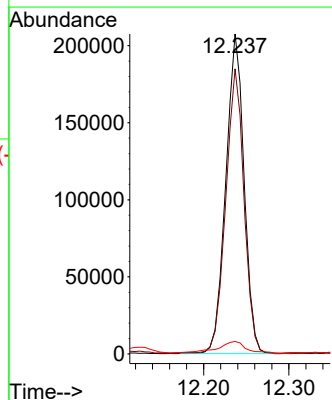
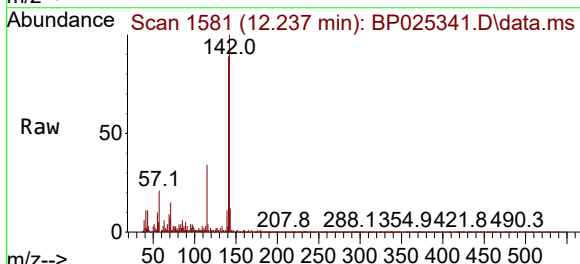
Instrument :
BNA_P
ClientSampleId :
LIQUID-DRUM

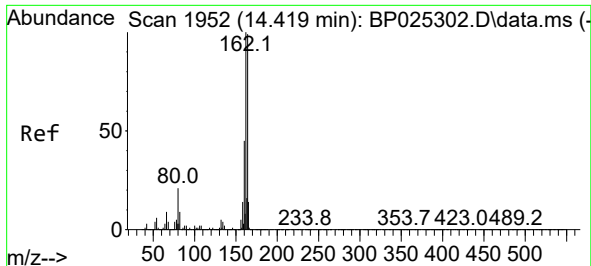
Tgt Ion:142 Resp: 308593
Ion Ratio Lower Upper
142 100
141 89.1 70.4 105.6
115 34.4 28.0 42.0



#38
1-Methylnaphthalene
Concen: 7.875 ng
RT: 12.237 min Scan# 1581
Delta R.T. -0.217 min
Lab File: BP025341.D
Acq: 08 Aug 2025 20:47

Tgt Ion:142 Resp: 308332
Ion Ratio Lower Upper
142 100
141 89.1 73.0 109.6
116 3.9 3.0 4.6

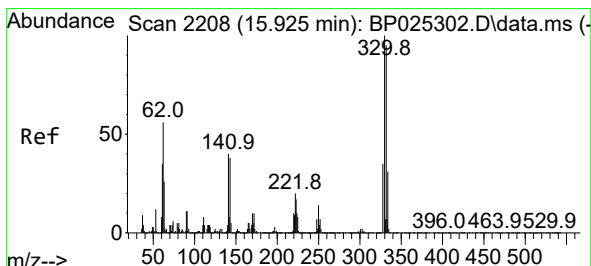
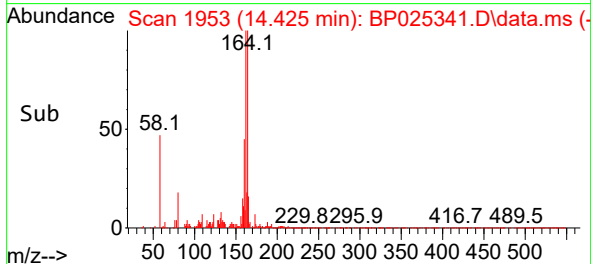
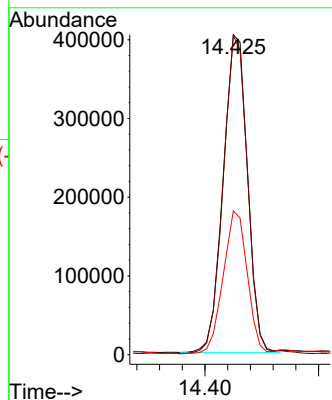
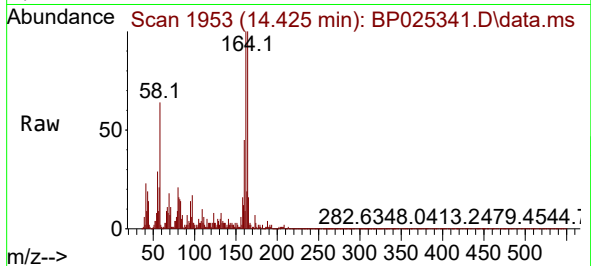




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.425 min Scan# 1952
Delta R.T. 0.006 min
Lab File: BP025341.D
Acq: 08 Aug 2025 20:47

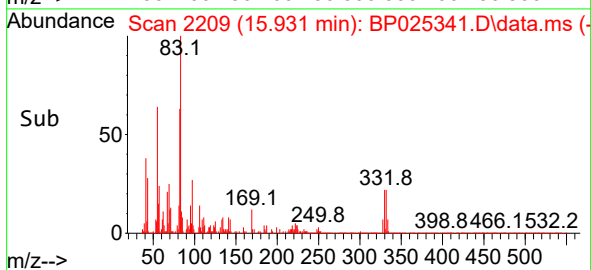
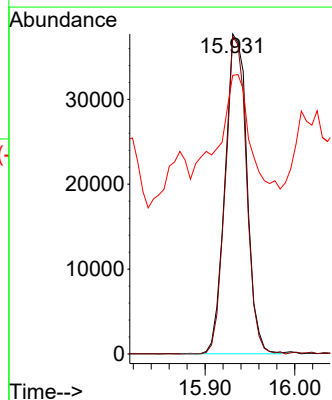
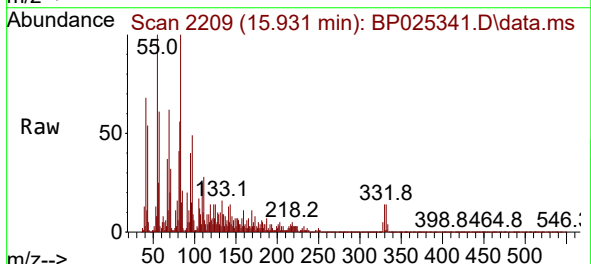
Instrument :
BNA_P
ClientSampleId :
LIQUID-DRUM

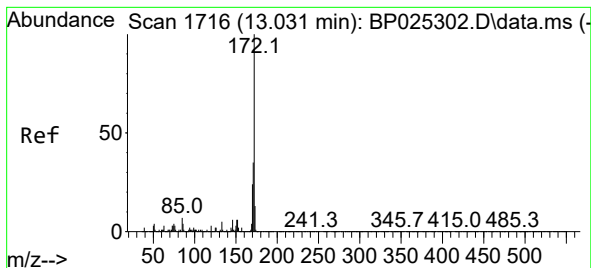
Tgt Ion:164 Resp: 598901
Ion Ratio Lower Upper
164 100
162 99.7 80.6 120.8
160 45.0 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 10.689 ng
RT: 15.931 min Scan# 2209
Delta R.T. 0.006 min
Lab File: BP025341.D
Acq: 08 Aug 2025 20:47

Tgt Ion:330 Resp: 63862
Ion Ratio Lower Upper
330 100
332 96.1 77.4 116.0
141 48.6 31.7 47.5#





#45

2-Fluorobiphenyl

Concen: 7.511 ng

RT: 13.037 min Scan# 1716

Delta R.T. 0.006 min

Lab File: BP025341.D

Acq: 08 Aug 2025 20:47

Instrument :

BNA_P

ClientSampleId :

LIQUID-DRUM

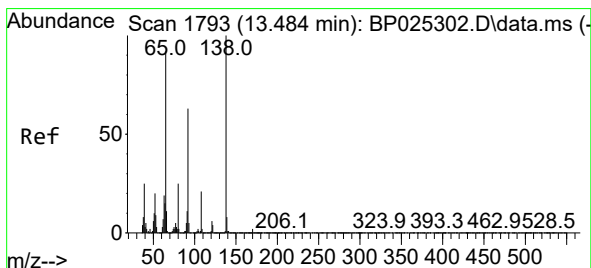
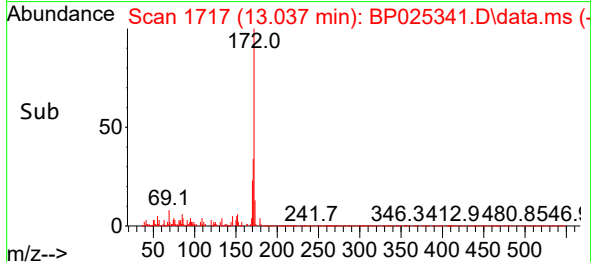
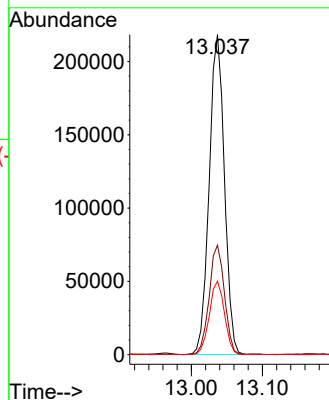
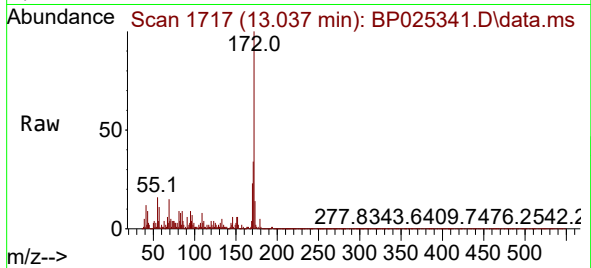
Tgt Ion:172 Resp: 325678

Ion Ratio Lower Upper

172 100

171 34.2 27.9 41.9

170 22.9 18.9 28.3



#48

2-Nitroaniline

Concen: 3.279 ng

RT: 13.466 min Scan# 1790

Delta R.T. -0.018 min

Lab File: BP025341.D

Acq: 08 Aug 2025 20:47

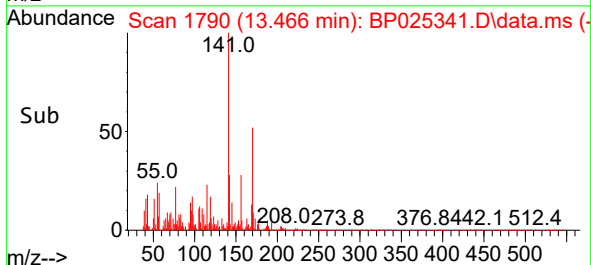
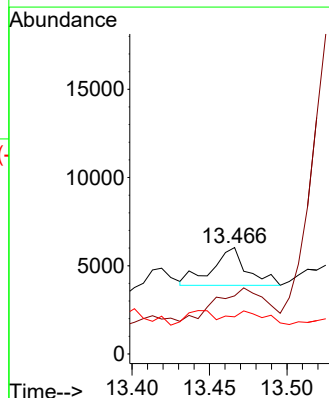
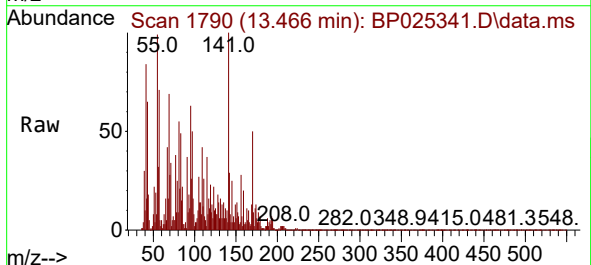
Tgt Ion: 65 Resp: 3314

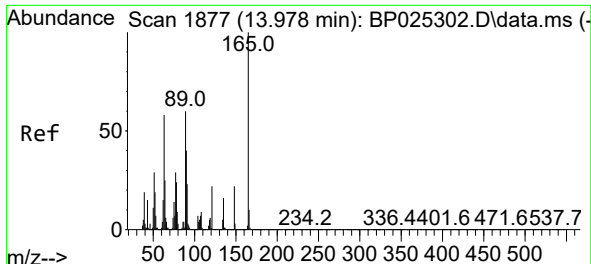
Ion Ratio Lower Upper

65 100

92 54.6 54.4 81.6

138 34.9 87.0 130.4#

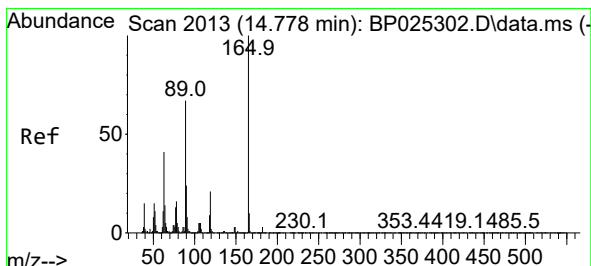
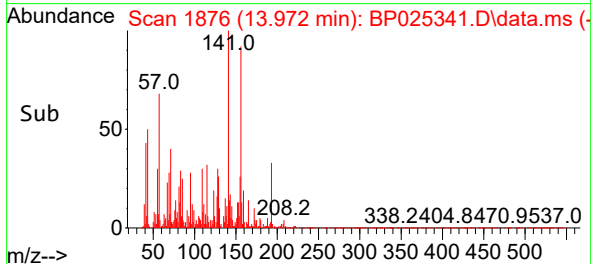
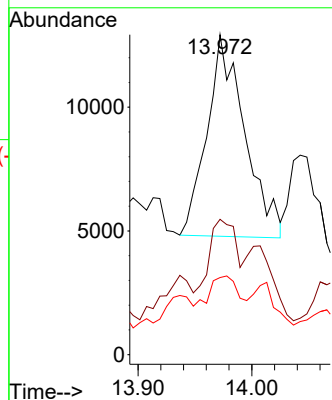
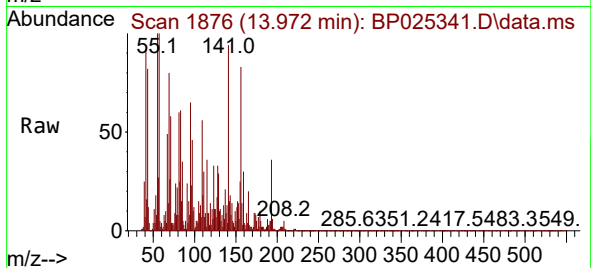




#51
2,6-Dinitrotoluene
Concen: 2.334 ng
RT: 13.972 min Scan# 1877
Delta R.T. -0.006 min
Lab File: BP025341.D
Acq: 08 Aug 2025 20:47

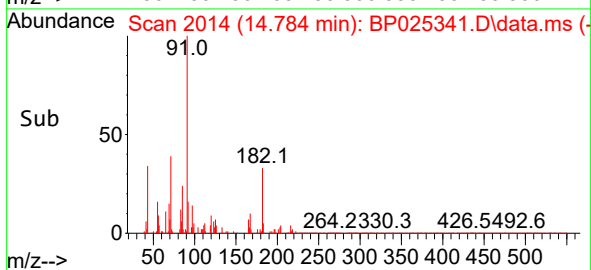
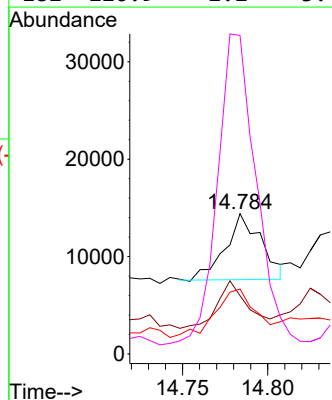
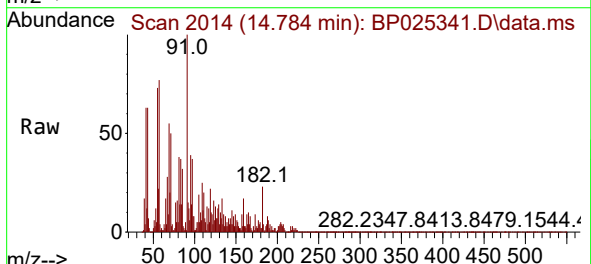
Instrument :
BNA_P
ClientSampleId :
LIQUID-DRUM

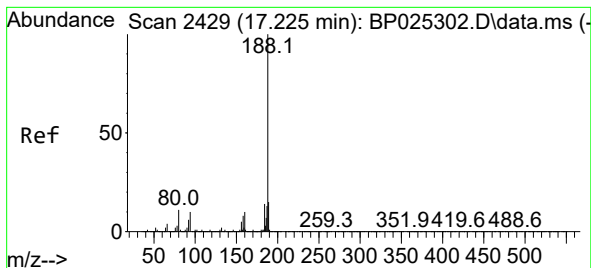
Tgt Ion:165 Resp: 18797
Ion Ratio Lower Upper
165 100
63 42.3 47.6 71.4#
89 24.1 47.8 71.8#



#57
2,4-Dinitrotoluene
Concen: 3.993 ng
RT: 14.784 min Scan# 2014
Delta R.T. 0.006 min
Lab File: BP025341.D
Acq: 08 Aug 2025 20:47

Tgt Ion:165 Resp: 9882
Ion Ratio Lower Upper
165 100
63 41.5 33.2 49.8
89 46.3 53.5 80.3#
182 226.9 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.225 min Scan# 2429

Delta R.T. -0.000 min

Lab File: BP025341.D

Acq: 08 Aug 2025 20:47

Instrument :

BNA_P

ClientSampleId :

LIQUID-DRUM

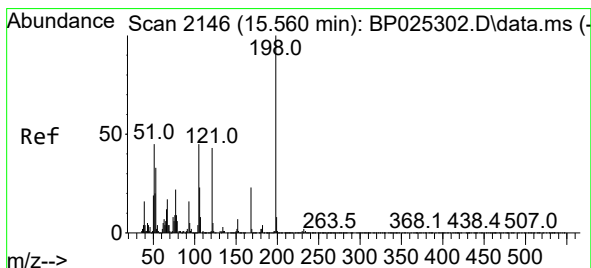
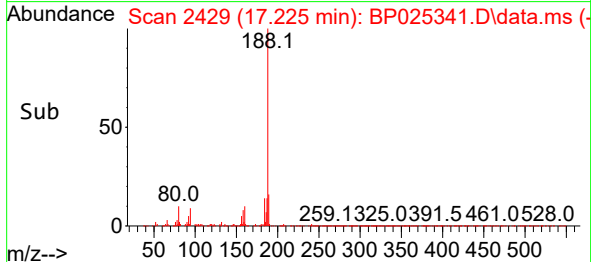
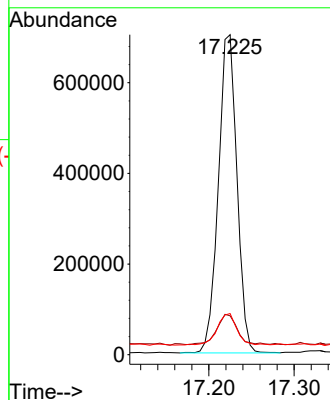
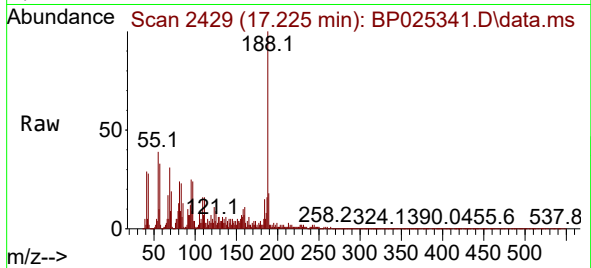
Tgt Ion:188 Resp: 1064158

Ion Ratio Lower Upper

188 100

94 12.2 8.0 12.0#

80 12.9 8.5 12.7#



#65

4,6-Dinitro-2-methylphenol

Concen: 5.672 ng

RT: 15.537 min Scan# 2142

Delta R.T. -0.023 min

Lab File: BP025341.D

Acq: 08 Aug 2025 20:47

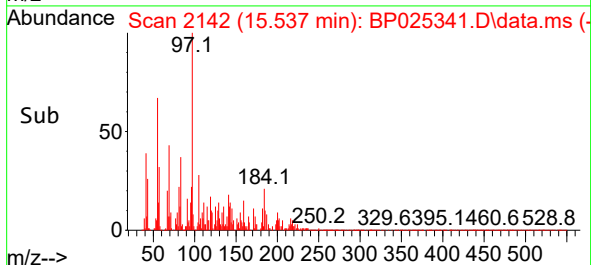
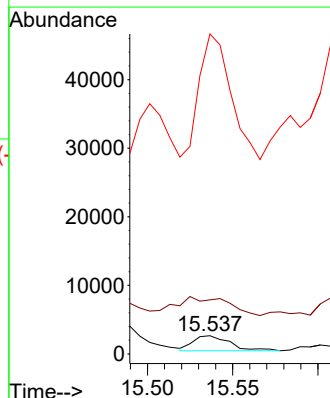
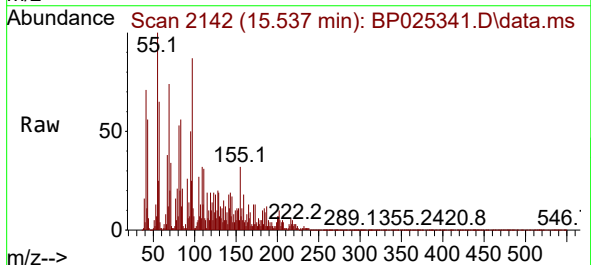
Tgt Ion:198 Resp: 3319

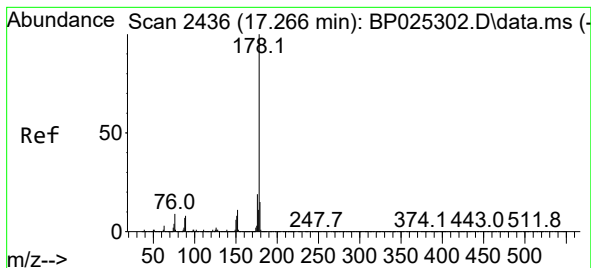
Ion Ratio Lower Upper

198 100

51 296.9 26.7 66.7#

105 1758.9 25.6 65.6#





#71

Phenanthrene

Concen: 5.166 ng

RT: 17.266 min Scan# 2436

Delta R.T. -0.000 min

Lab File: BP025341.D

Acq: 08 Aug 2025 20:47

Instrument :

BNA_P

ClientSampleId :

LIQUID-DRUM

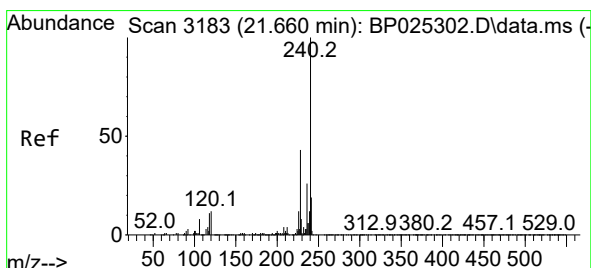
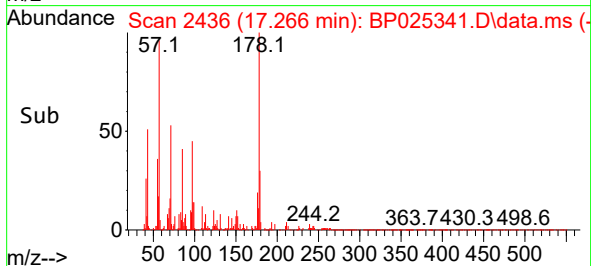
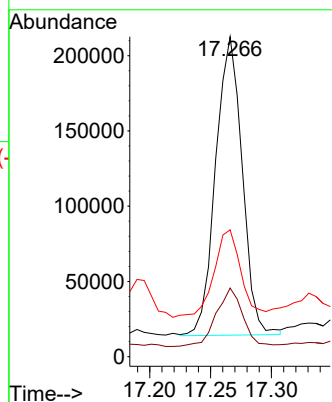
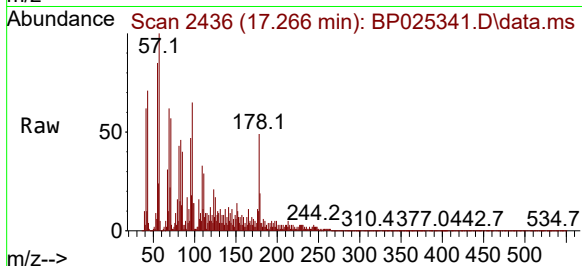
Tgt Ion:178 Resp: 301092

Ion Ratio Lower Upper

178 100

176 21.5 15.3 22.9

179 39.7 12.1 18.1#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.660 min Scan# 3183

Delta R.T. -0.000 min

Lab File: BP025341.D

Acq: 08 Aug 2025 20:47

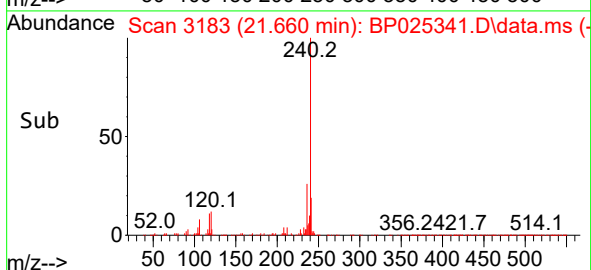
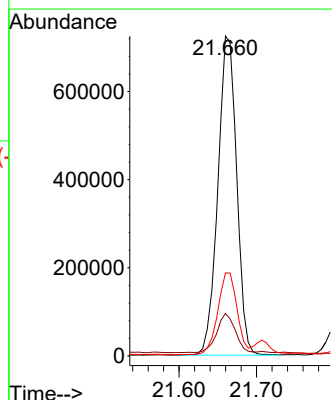
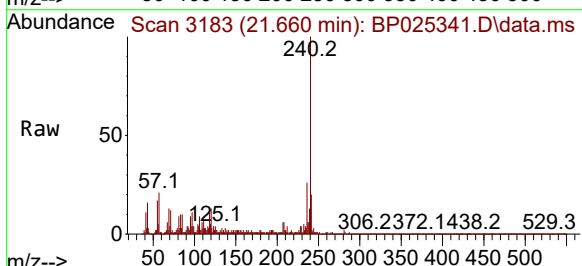
Tgt Ion:240 Resp: 1220341

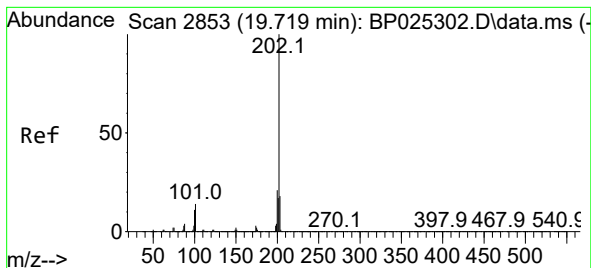
Ion Ratio Lower Upper

240 100

120 13.3 9.6 14.4

236 25.9 20.4 30.6





#78

Pyrene

Concen: 3.154 ng

RT: 19.719 min Scan# 2853

Delta R.T. -0.000 min

Lab File: BP025341.D

Acq: 08 Aug 2025 20:47

Instrument :

BNA_P

ClientSampleId :

LIQUID-DRUM

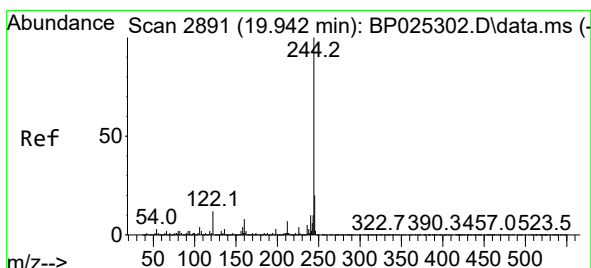
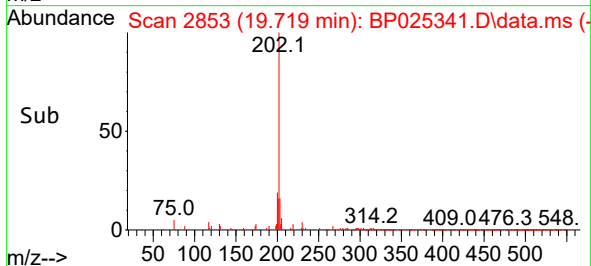
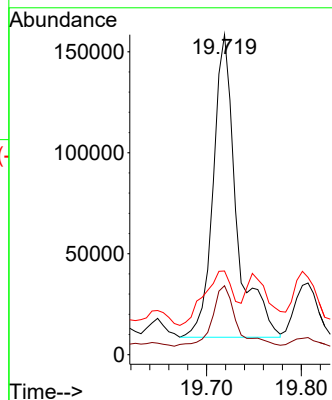
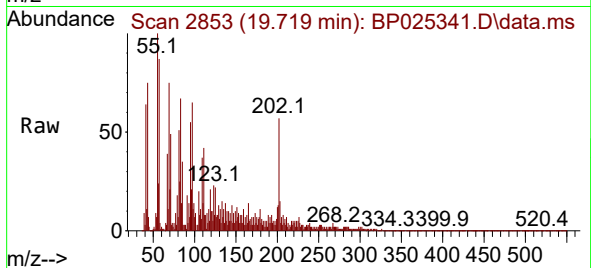
Tgt Ion:202 Resp: 255985

Ion Ratio Lower Upper

202 100

200 21.6 16.7 25.1

203 26.2 14.1 21.1#



#79

Terphenyl-d14

Concen: 6.931 ng

RT: 19.942 min Scan# 2891

Delta R.T. 0.000 min

Lab File: BP025341.D

Acq: 08 Aug 2025 20:47

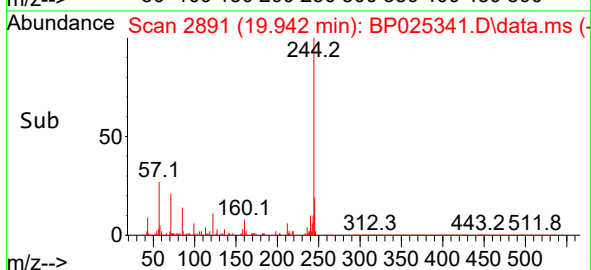
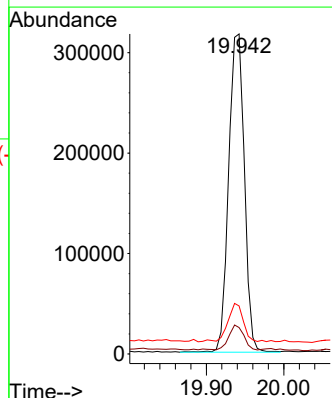
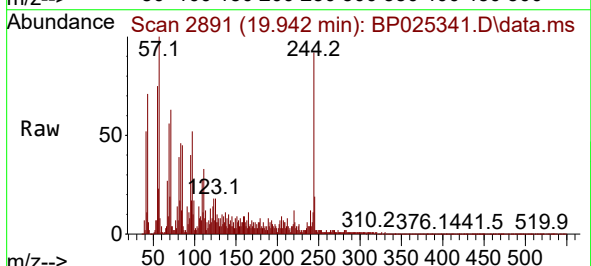
Tgt Ion:244 Resp: 447787

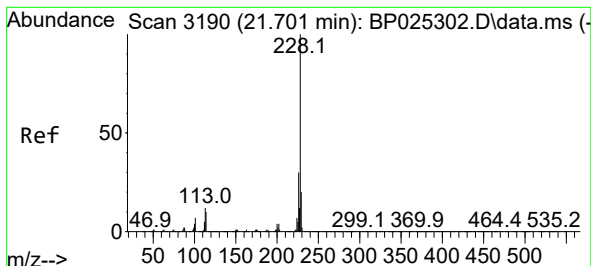
Ion Ratio Lower Upper

244 100

212 8.2 5.9 8.9

122 15.0 9.5 14.3#





#83

Chrysene

Concen: 2.249 ng

RT: 21.713 min Scan# 3192

Delta R.T. 0.012 min

Lab File: BP025341.D

Acq: 08 Aug 2025 20:47

Instrument :

BNA_P

ClientSampleId :

LIQUID-DRUM

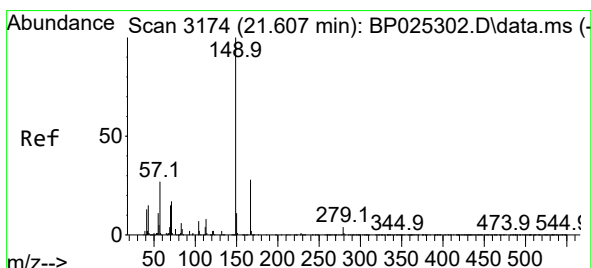
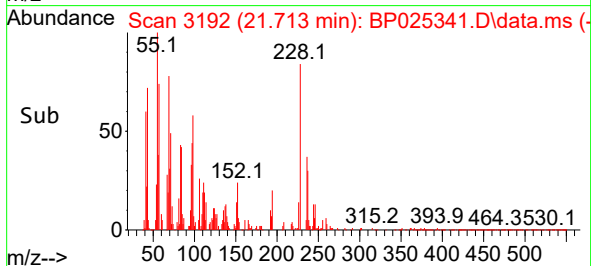
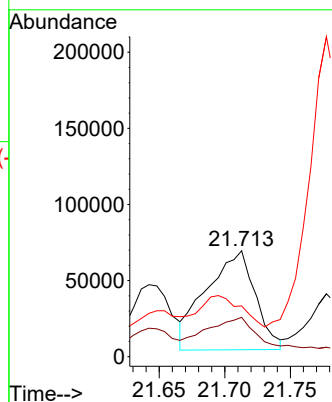
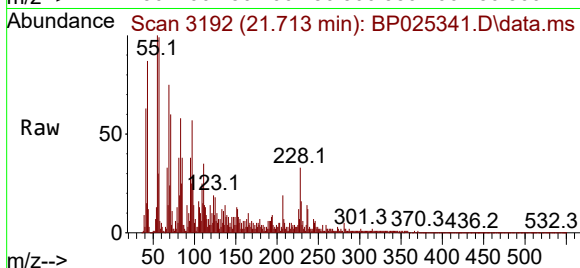
Tgt Ion:228 Resp: 169171

Ion Ratio Lower Upper

228 100

226 37.2 24.3 36.5#

229 47.9 15.9 23.9#



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.657 ng

RT: 21.595 min Scan# 3172

Delta R.T. -0.012 min

Lab File: BP025341.D

Acq: 08 Aug 2025 20:47

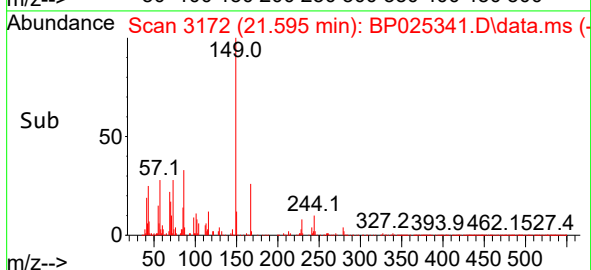
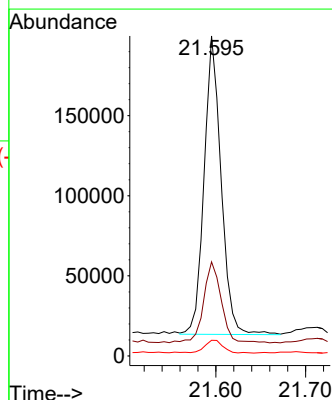
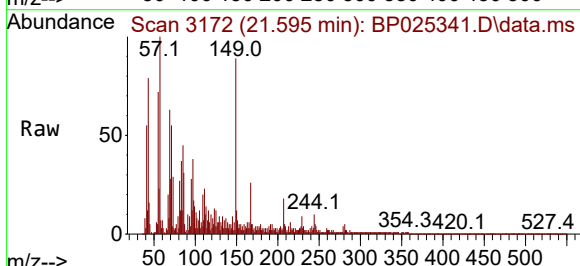
Tgt Ion:149 Resp: 244727

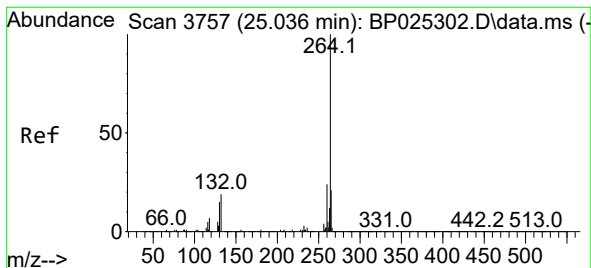
Ion Ratio Lower Upper

149 100

167 29.4 22.1 33.1

279 4.9 3.4 5.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.089 min Scan# 31

Delta R.T. 0.053 min

Lab File: BP025341.D

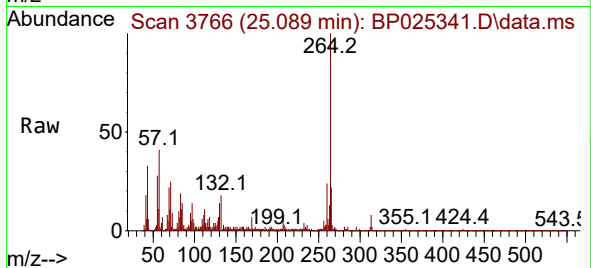
Acq: 08 Aug 2025 20:47

Instrument :

BNA_P

ClientSampleId :

LIQUID-DRUM



Tgt Ion:264 Resp: 1394163

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 22.4 17.1 25.7

