

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062025\
 Data File : BP025030.D
 Acq On : 20 Jun 2025 23:13
 Operator : RC/JU
 Sample : Q2354-01DL 20X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 3321DL

Quant Time: Jun 21 00:15:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 06 16:20:27 2025
 Response via : Initial Calibration

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

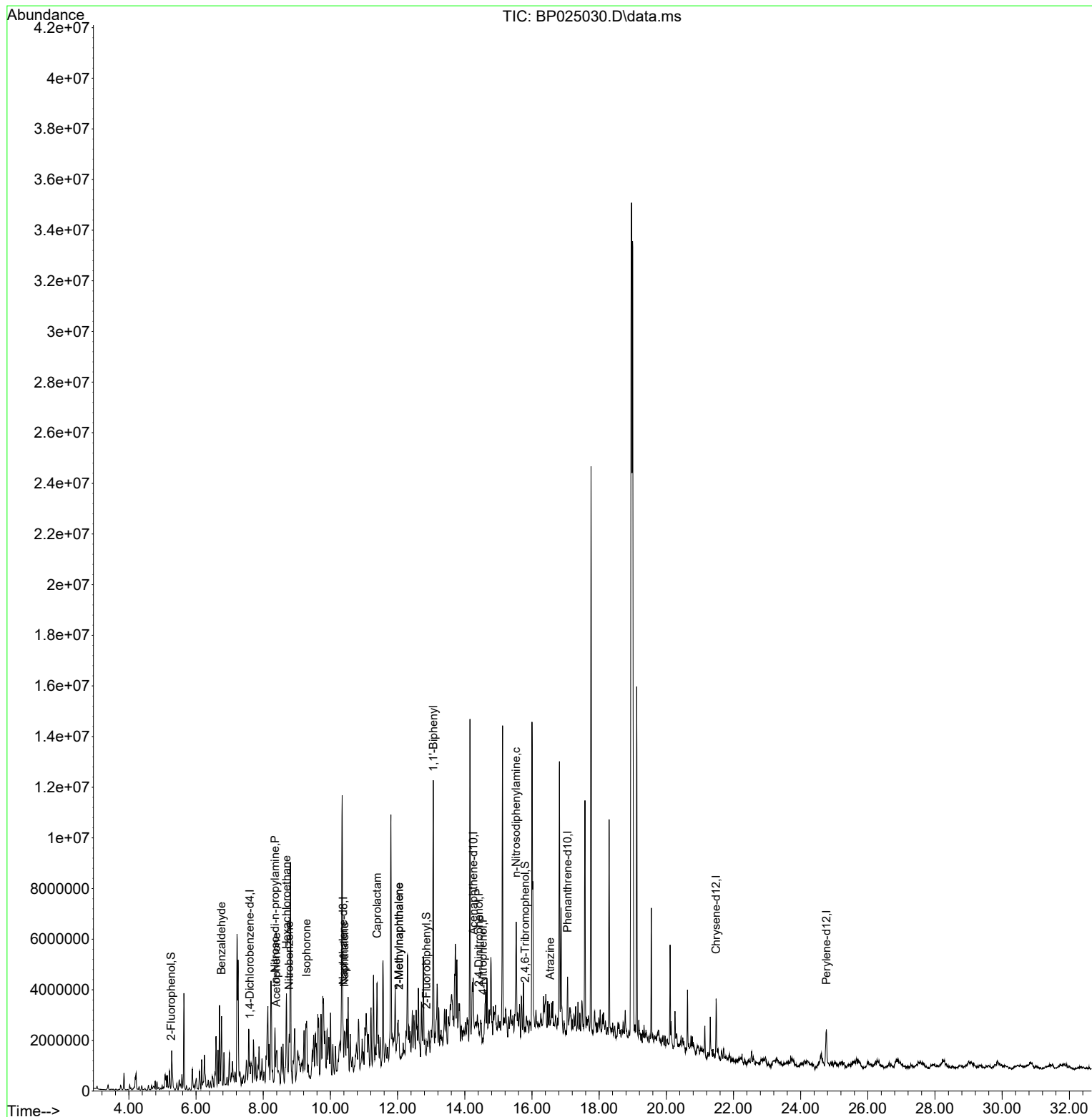
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.602	152	269162	20.000	ng	-0.01
21) Naphthalene-d8	10.378	136	908085	20.000	ng	# 0.00
39) Acenaphthene-d10	14.254	164	509807	20.000	ng	0.00
64) Phenanthrene-d10	17.060	188	974886	20.000	ng	0.00
76) Chrysene-d12	21.483	240	1284119	20.000	ng	0.00
86) Perylene-d12	24.765	264	1581484	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.255	112	38713	2.401	ng	0.01
7) Phenol-d6	6.778	99	3751	0.176	ng	-0.04
23) Nitrobenzene-d5	8.778	82	20652	1.105	ng	0.02
42) 2,4,6-Tribromophenol	15.795	330	21493	3.049	ng	0.01
45) 2-Fluorobiphenyl	12.854	172	77447	2.046	ng	0.00
79) Terphenyl-d14	19.783	244	141191	1.971	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.755	77	86306	7.018	ng	# 1
18) Hexachloroethane	8.690	117	308993	39.887	ng	# 1
19) n-Nitroso-di-n-propyla...	8.349	70	77395	5.336	ng	# 54
22) Acetophenone	8.390	105	719042	31.340	ng	# 57
24) Nitrobenzene	8.772	77	60756	3.660	ng	# 27
25) Isophorone	9.290	82	216641	6.689	ng	# 1
31) Naphthalene	10.419	128	293941	6.316	ng	# 76
35) Caprolactam	11.390	113	139886	28.251	ng	# 33
37) 2-Methylnaphthalene	12.043	142	545048	18.464	ng	99
38) 1-Methylnaphthalene	12.043	142	529969	16.793	ng	96
46) 1,1'-Biphenyl	13.066	154	191527	5.170	ng	95
54) 2,4-Dinitrophenol	14.419	184	2333	5.975	ng	# 1
56) 4-Nitrophenol	14.537	139	3967	5.928	ng	# 1
66) n-Nitrosodiphenylamine	15.531	169	147886	4.894	ng	# 55
69) Atrazine	16.542	200	30424	2.777	ng	74

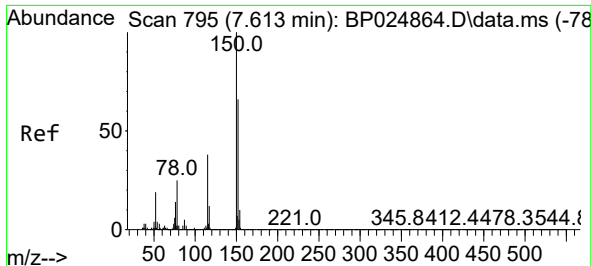
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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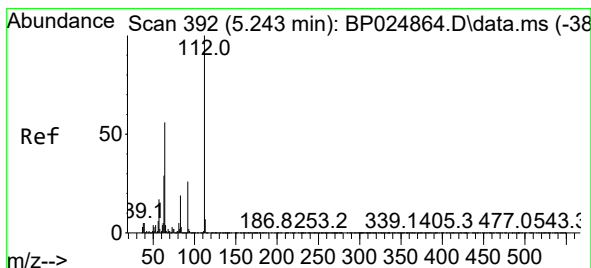
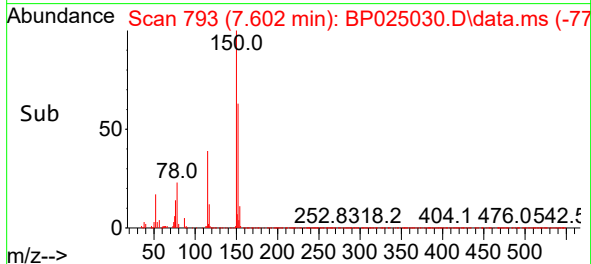
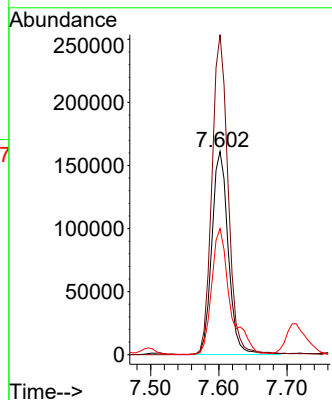
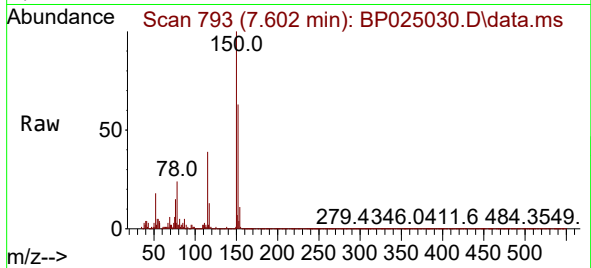




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.602 min Scan# 795
Delta R.T. -0.011 min
Lab File: BP025030.D
Acq: 20 Jun 2025 23:13

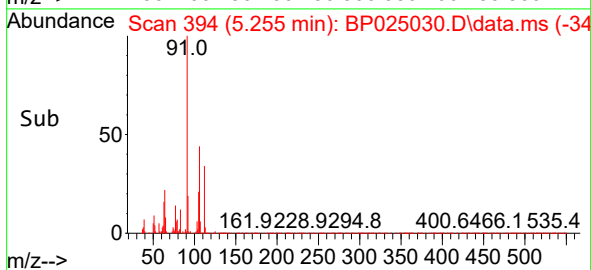
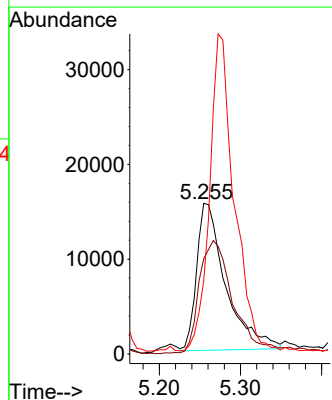
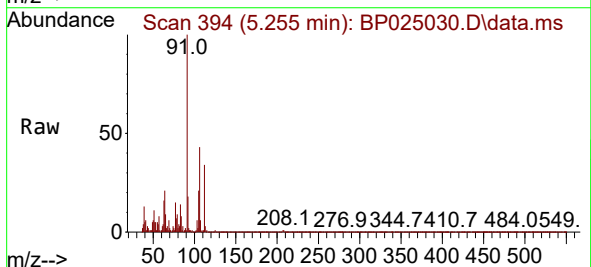
Instrument :
BNA_P
ClientSampleId :
3321DL

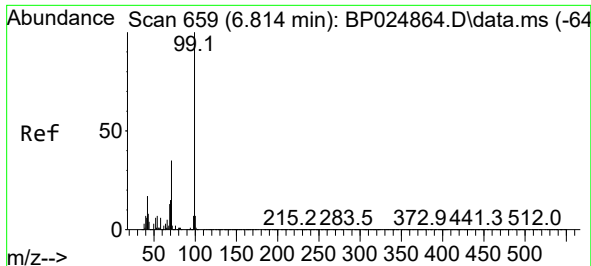
Tgt Ion:152 Resp: 269162
Ion Ratio Lower Upper
152 100
150 157.5 122.1 183.1
115 62.1 46.4 69.6



#5
2-Fluorophenol
Concen: 2.401 ng
RT: 5.255 min Scan# 394
Delta R.T. 0.012 min
Lab File: BP025030.D
Acq: 20 Jun 2025 23:13

Tgt Ion:112 Resp: 38713
Ion Ratio Lower Upper
112 100
64 63.3 44.7 67.1
63 48.5 23.5 35.3#

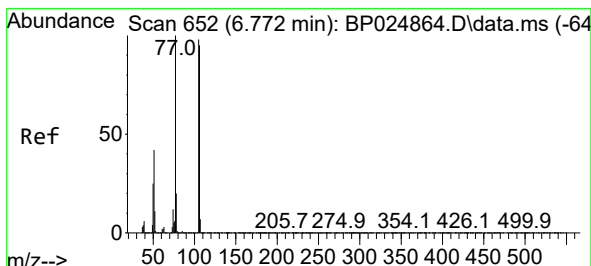
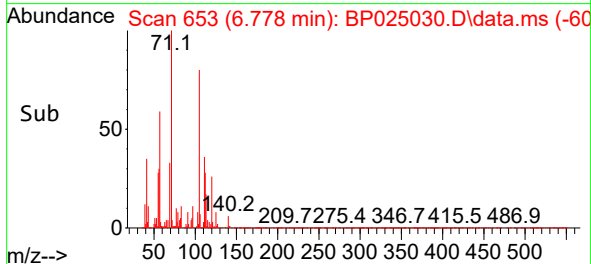
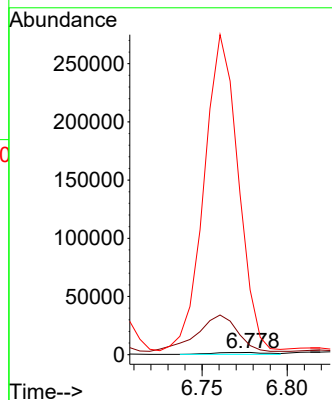
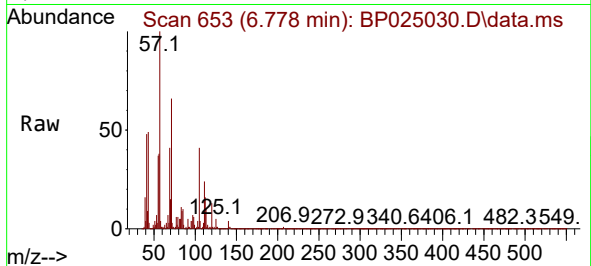




#7
Phenol-d6
Concen: 0.176 ng
RT: 6.778 min Scan# 61
Delta R.T. -0.035 min
Lab File: BP025030.D
Acq: 20 Jun 2025 23:13

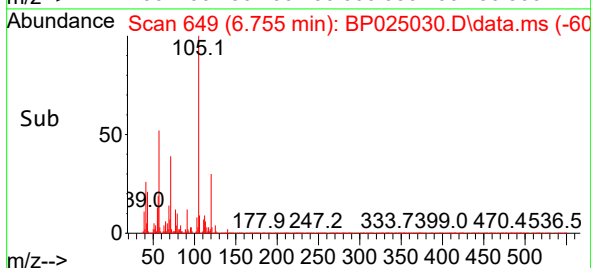
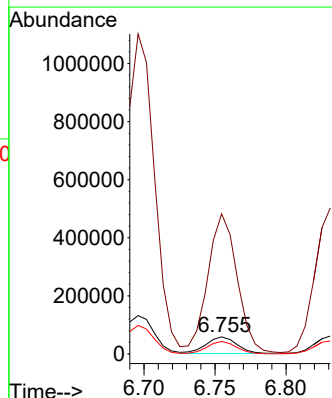
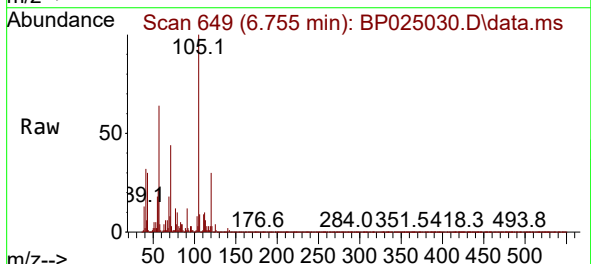
Instrument :
BNA_P
ClientSampleId :
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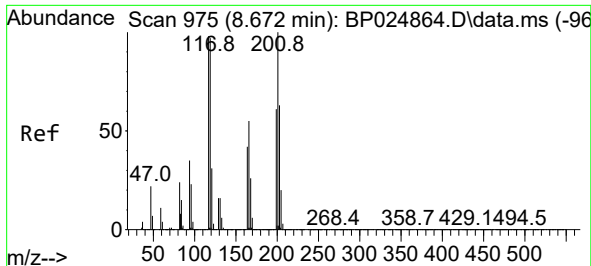
Tgt Ion: 99 Resp: 3751
Ion Ratio Lower Upper
99 100
42 416.9 13.4 20.2#
71 2961.7 27.6 41.4#



#9
Benzaldehyde
Concen: 7.018 ng
RT: 6.755 min Scan# 649
Delta R.T. -0.018 min
Lab File: BP025030.D
Acq: 20 Jun 2025 23:13

Tgt Ion: 77 Resp: 86306
Ion Ratio Lower Upper
77 100
105 816.9 77.7 117.7#
106 72.8 74.8 114.8#

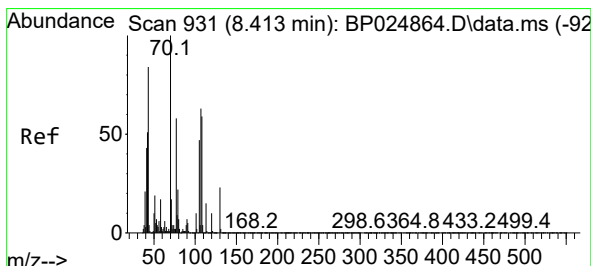
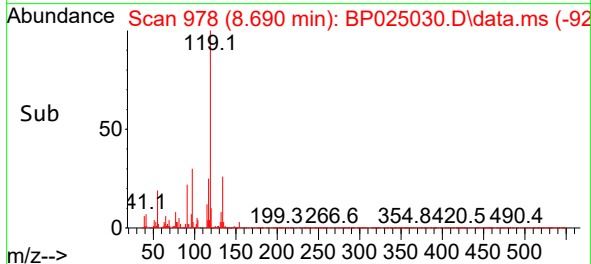
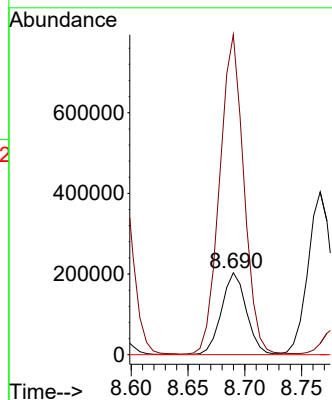
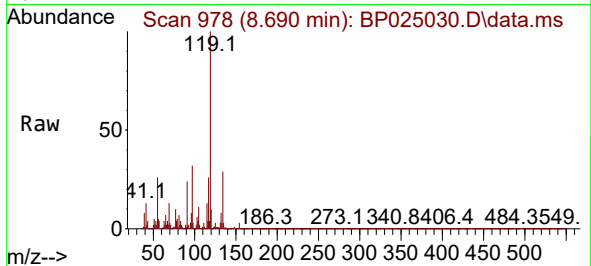




#18
Hexachloroethane
Concen: 39.887 ng
RT: 8.690 min Scan# 91
Delta R.T. 0.018 min
Lab File: BP025030.D
Acq: 20 Jun 2025 23:13

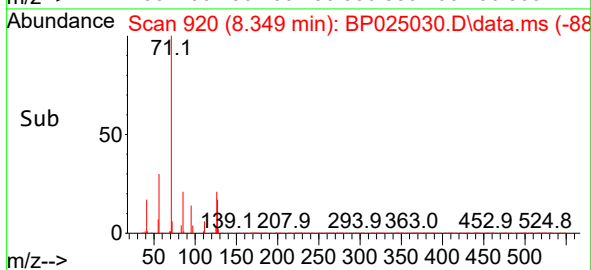
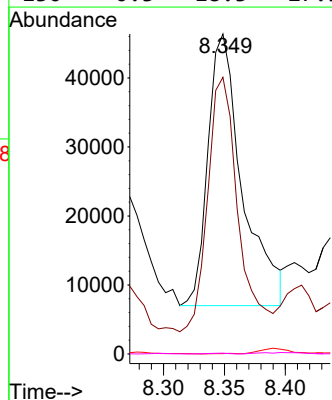
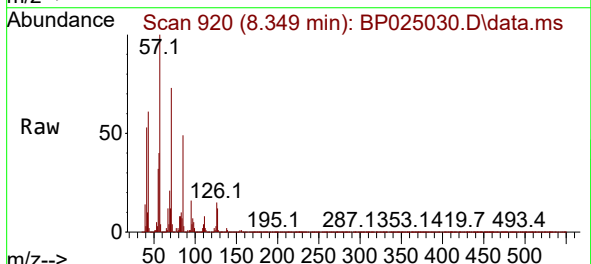
Instrument :
BNA_P
ClientSampleId :
3321DL

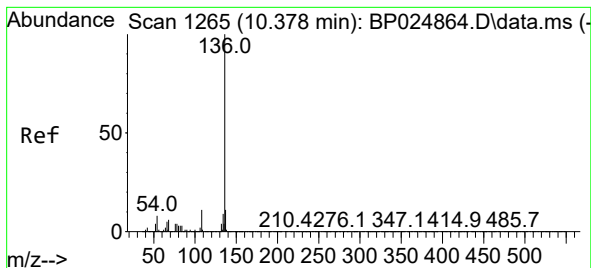
Tgt Ion:117 Resp: 308993
Ion Ratio Lower Upper
117 100
119 390.6 79.4 119.2#
201 0.0 81.4 122.2#



#19
n-Nitroso-di-n-propylamine
Concen: 5.336 ng
RT: 8.349 min Scan# 920
Delta R.T. -0.065 min
Lab File: BP025030.D
Acq: 20 Jun 2025 23:13

Tgt Ion: 70 Resp: 77395
Ion Ratio Lower Upper
70 100
42 86.5 41.2 61.8#
101 0.1 8.3 12.5#
130 0.3 18.3 27.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.378 min Scan# 11

Delta R.T. -0.000 min

Lab File: BP025030.D

Acq: 20 Jun 2025 23:13

Instrument :

BNA_P

ClientSampleId :

3321DL

Tgt Ion:136 Resp: 908085

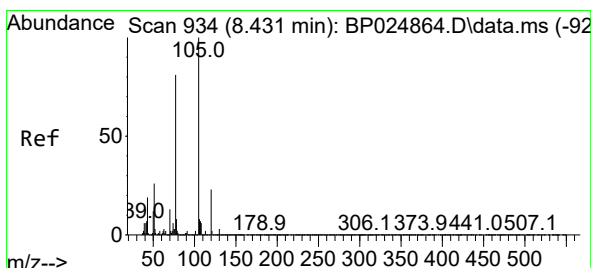
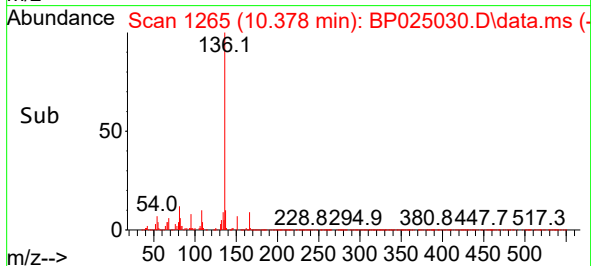
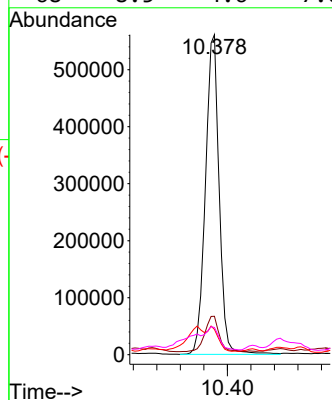
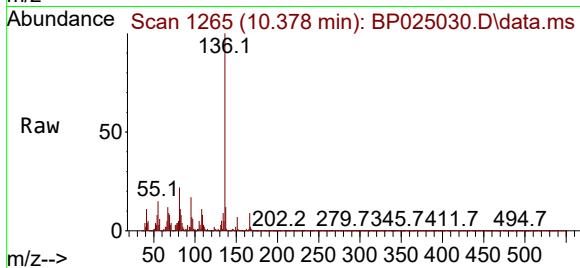
Ion Ratio Lower Upper

136 100

137 12.0 8.9 13.3

54 7.9 6.1 9.1

68 8.5 4.6 7.0#



#22

Acetophenone

Concen: 31.340 ng

RT: 8.390 min Scan# 927

Delta R.T. -0.041 min

Lab File: BP025030.D

Acq: 20 Jun 2025 23:13

Tgt Ion:105 Resp: 719042

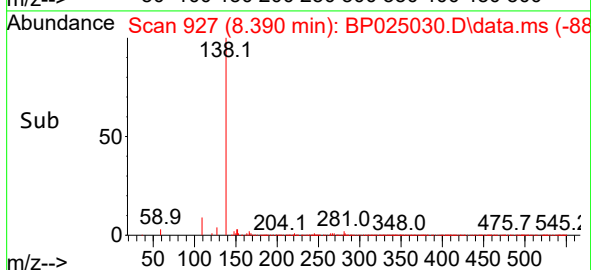
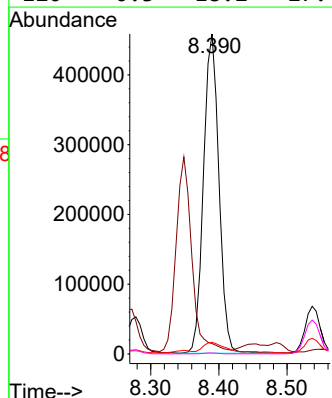
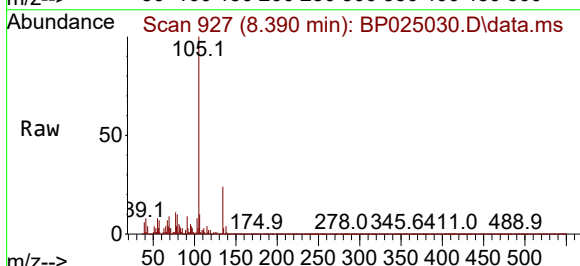
Ion Ratio Lower Upper

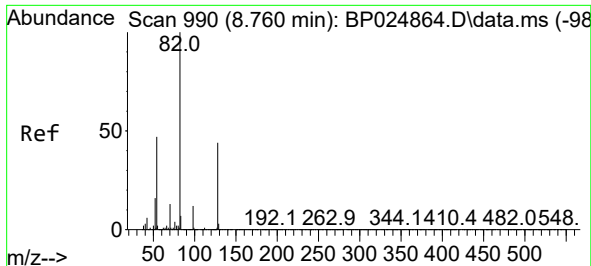
105 100

71 3.3 1.6 2.4#

51 3.6 20.6 31.0#

120 0.3 18.2 27.4#

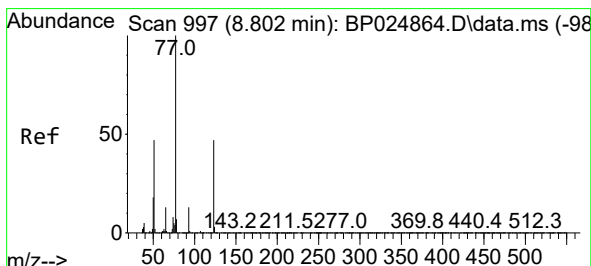
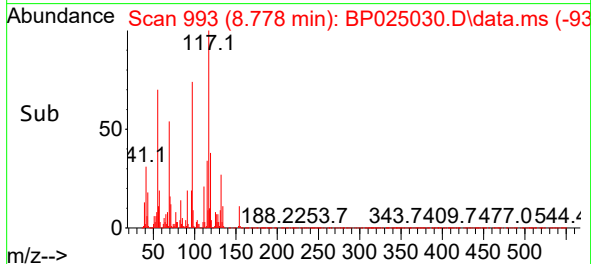
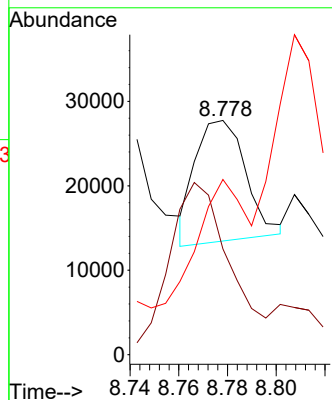
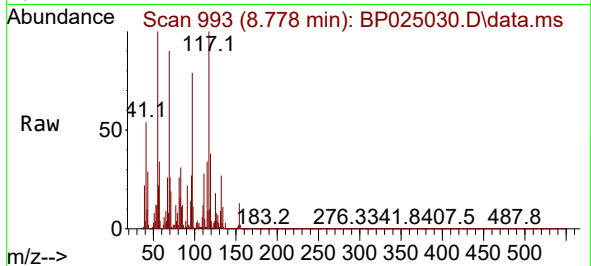




#23
Nitrobenzene-d5
Concen: 1.105 ng
RT: 8.778 min Scan# 991
Delta R.T. 0.018 min
Lab File: BP025030.D
Acq: 20 Jun 2025 23:13

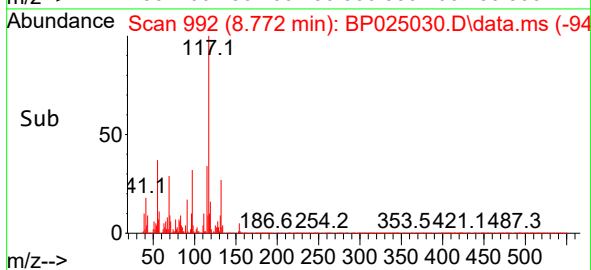
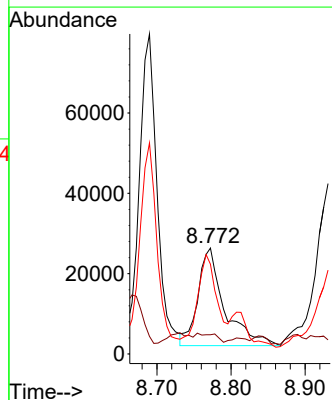
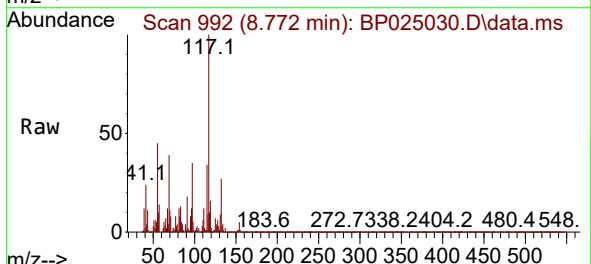
Instrument :
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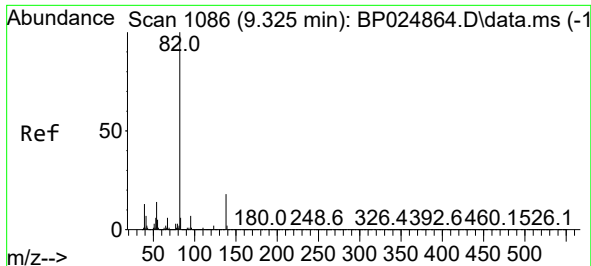
Tgt Ion: 82 Resp: 20652
Ion Ratio Lower Upper
82 100
128 45.2 35.3 52.9
54 74.8 37.4 56.0#



#24
Nitrobenzene
Concen: 3.660 ng
RT: 8.772 min Scan# 992
Delta R.T. -0.029 min
Lab File: BP025030.D
Acq: 20 Jun 2025 23:13

Tgt Ion: 77 Resp: 60756
Ion Ratio Lower Upper
77 100
123 18.2 37.3 55.9#
65 84.8 10.8 16.2#

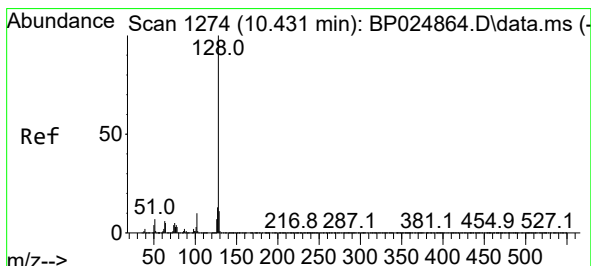
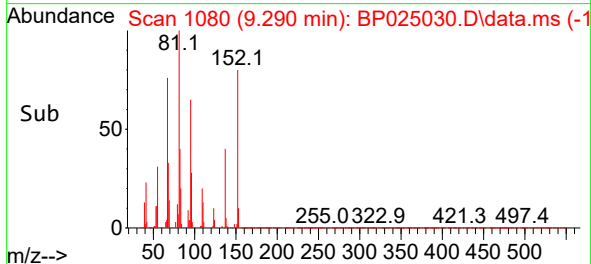
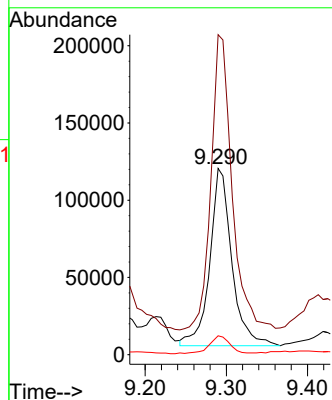
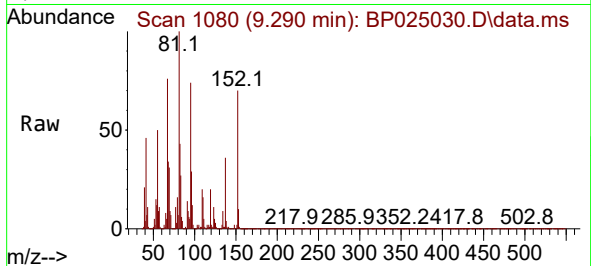




#25
Isophorone
Concen: 6.689 ng
RT: 9.290 min Scan# 1080
Delta R.T. -0.035 min
Lab File: BP025030.D
Acq: 20 Jun 2025 23:13

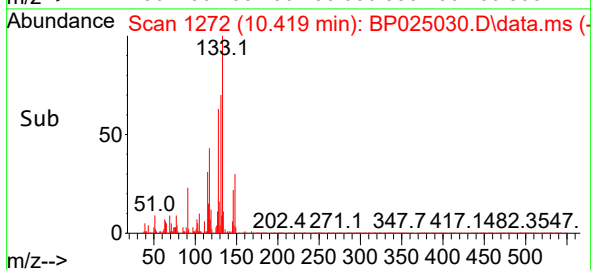
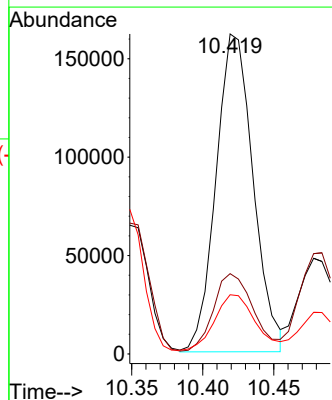
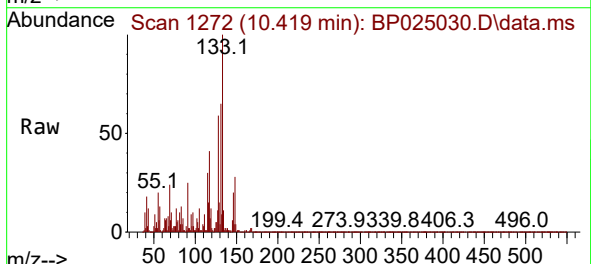
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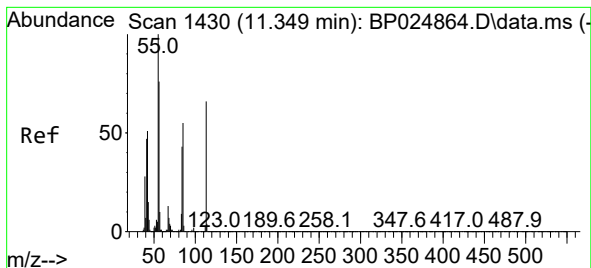
Tgt Ion: 82 Resp: 216641
Ion Ratio Lower Upper
82 100
95 171.8 5.9 8.9#
138 10.2 14.6 21.8#



#31
Naphthalene
Concen: 6.316 ng
RT: 10.419 min Scan# 1272
Delta R.T. -0.012 min
Lab File: BP025030.D
Acq: 20 Jun 2025 23:13

Tgt Ion: 128 Resp: 293941
Ion Ratio Lower Upper
128 100
129 25.1 8.7 13.1#
127 18.5 10.7 16.1#





#35

Caprolactam

Concen: 28.251 ng

RT: 11.390 min Scan# 1437

Delta R.T. 0.041 min

Lab File: BP025030.D

Acq: 20 Jun 2025 23:13

Instrument :

BNA_P

ClientSampleId :

3321DL

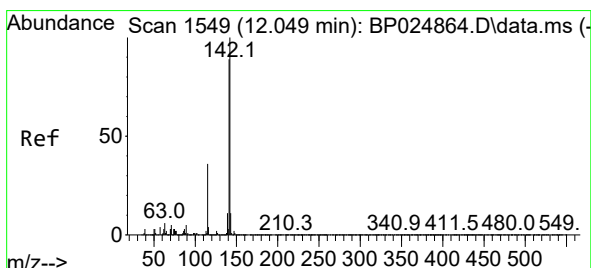
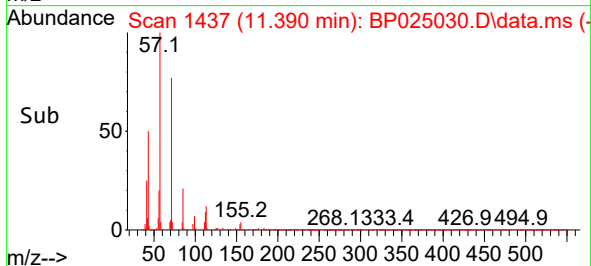
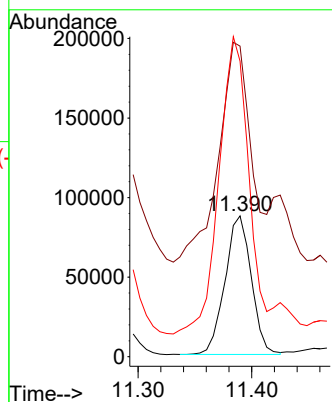
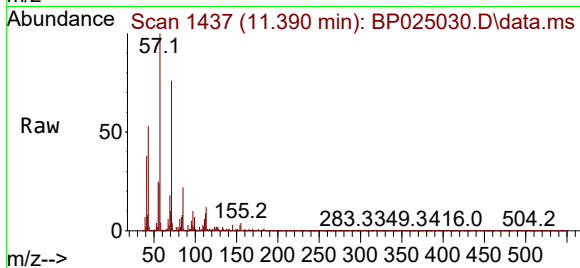
Tgt Ion:113 Resp: 139886

Ion Ratio Lower Upper

113 100

55 220.7 132.5 172.5#

56 210.0 96.0 136.0#



#37

2-Methylnaphthalene

Concen: 18.464 ng

RT: 12.043 min Scan# 1548

Delta R.T. -0.006 min

Lab File: BP025030.D

Acq: 20 Jun 2025 23:13

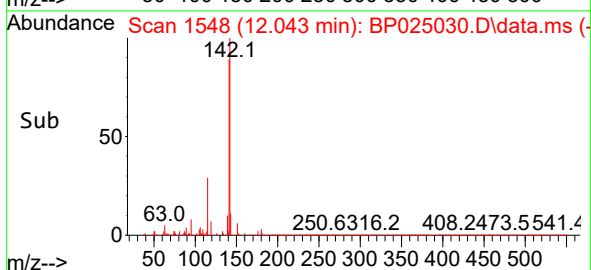
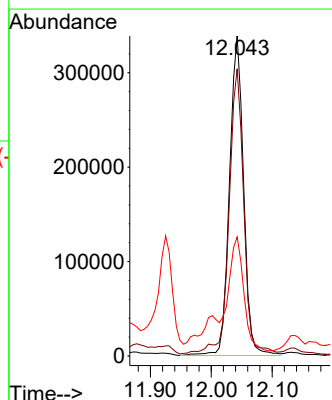
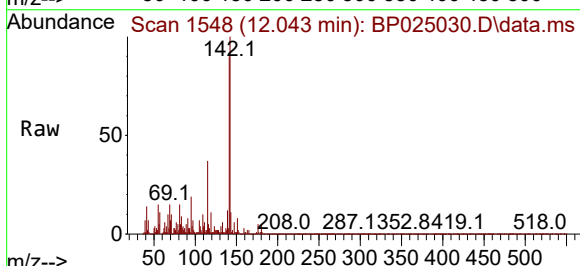
Tgt Ion:142 Resp: 545048

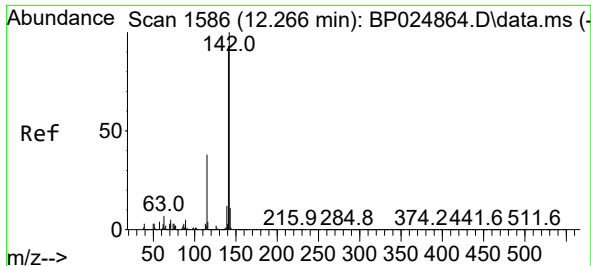
Ion Ratio Lower Upper

142 100

141 89.8 71.2 106.8

115 37.2 28.5 42.7

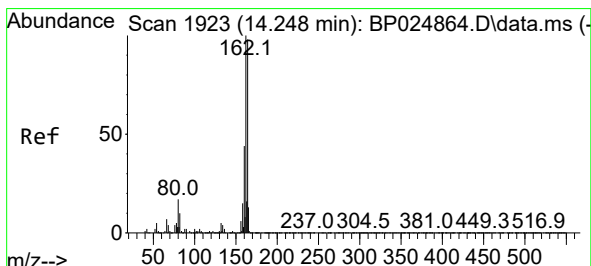
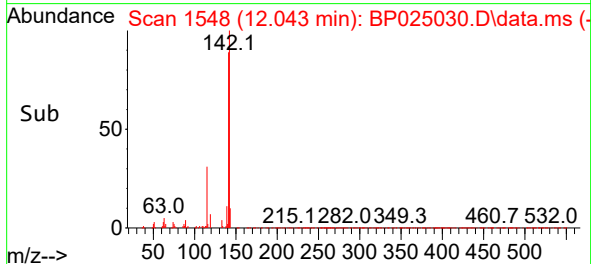
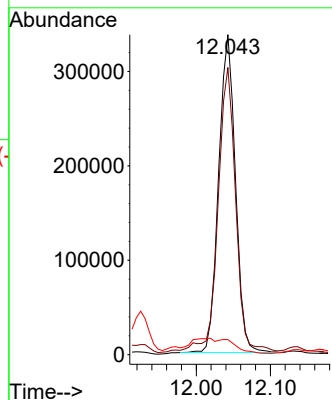
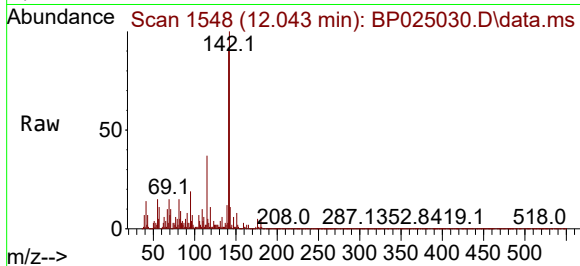




#38
1-Methylnaphthalene
Concen: 16.793 ng
RT: 12.043 min Scan# 11
Delta R.T. -0.224 min
Lab File: BP025030.D
Acq: 20 Jun 2025 23:13

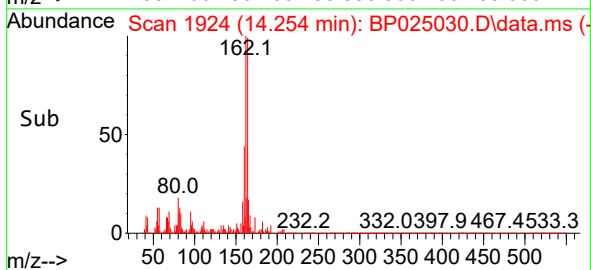
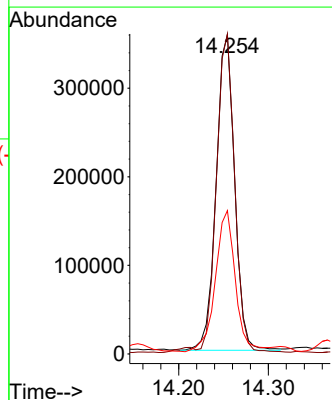
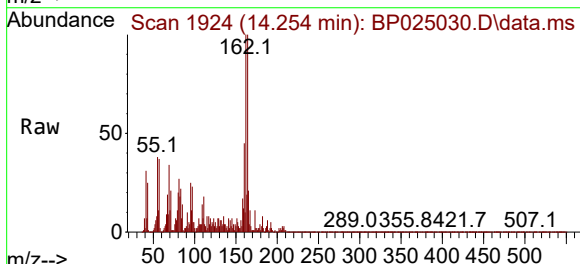
Instrument :
BNA_P
ClientSampleId :
3321DL

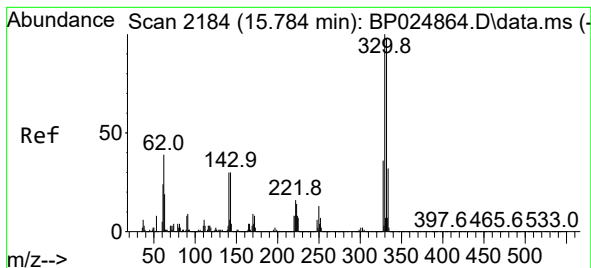
Tgt Ion:142 Resp: 529969
Ion Ratio Lower Upper
142 100
141 89.8 74.7 112.1
116 4.7 3.4 5.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.254 min Scan# 1924
Delta R.T. 0.006 min
Lab File: BP025030.D
Acq: 20 Jun 2025 23:13

Tgt Ion:164 Resp: 509807
Ion Ratio Lower Upper
164 100
162 100.3 81.6 122.4
160 44.9 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 3.049 ng

RT: 15.795 min Scan# 2184

Delta R.T. 0.012 min

Lab File: BP025030.D

Acq: 20 Jun 2025 23:13

Instrument :

BNA_P

ClientSampleId :

3321DL

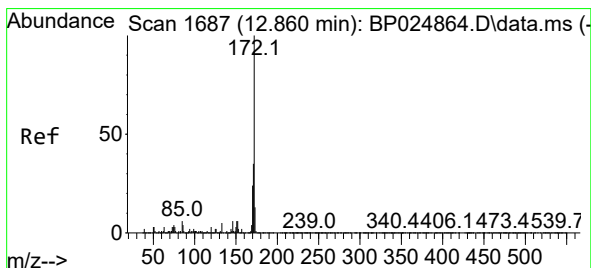
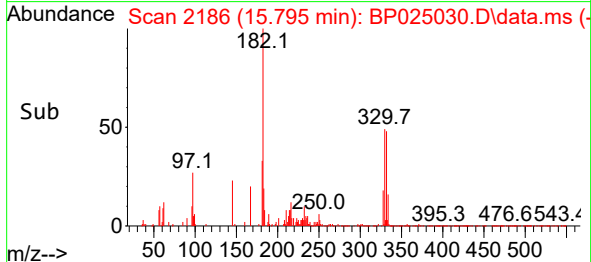
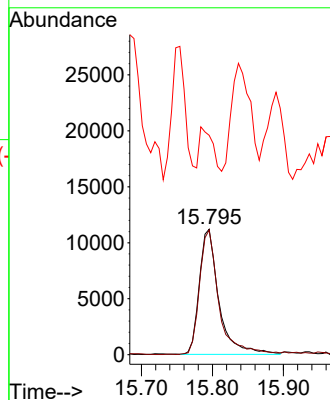
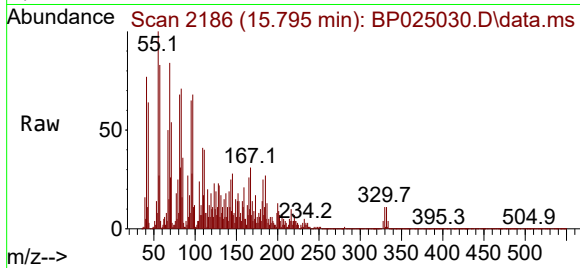
Tgt Ion:330 Resp: 21493

Ion Ratio Lower Upper

330 100

332 98.6 77.7 116.5

141 0.0 26.4 39.6#



#45

2-Fluorobiphenyl

Concen: 2.046 ng

RT: 12.854 min Scan# 1686

Delta R.T. -0.006 min

Lab File: BP025030.D

Acq: 20 Jun 2025 23:13

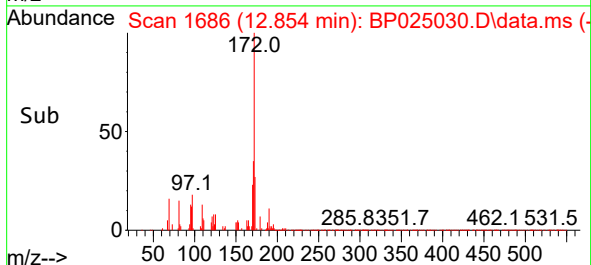
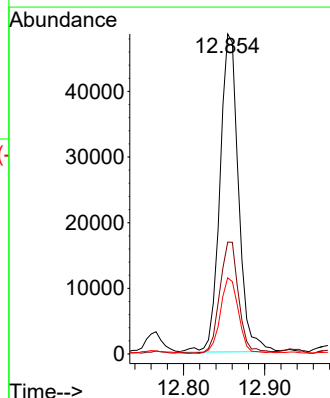
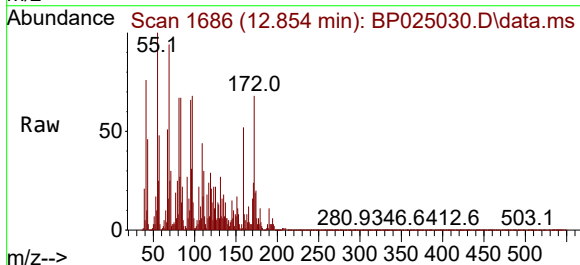
Tgt Ion:172 Resp: 77447

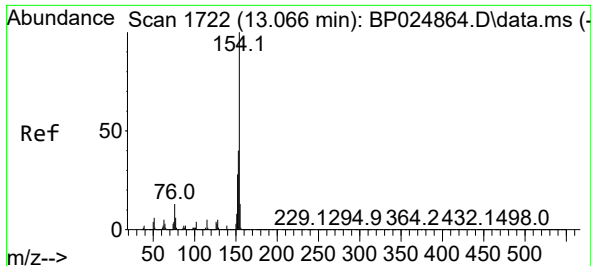
Ion Ratio Lower Upper

172 100

171 35.0 28.3 42.5

170 23.8 19.0 28.4

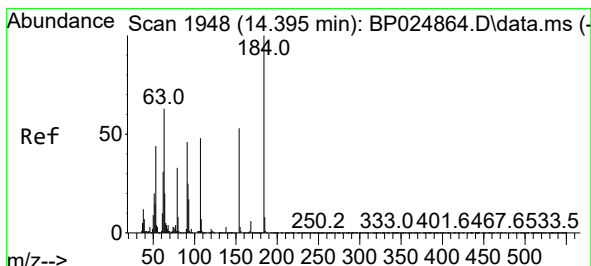
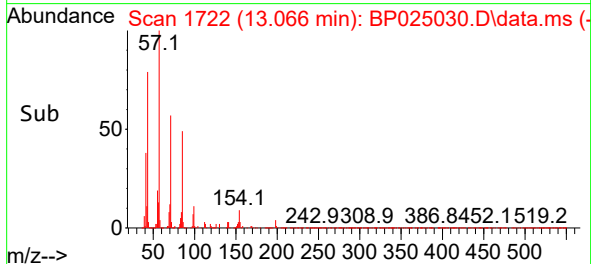
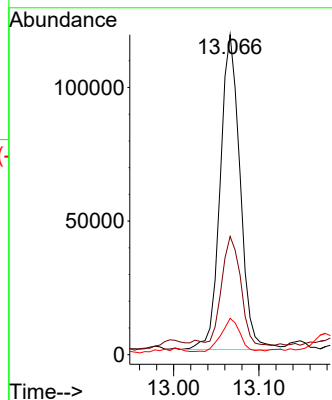
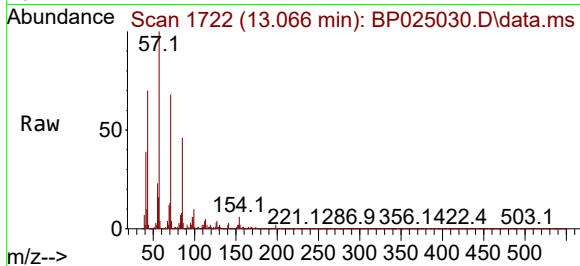




#46
1,1'-Biphenyl
Concen: 5.170 ng
RT: 13.066 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP025030.D
Acq: 20 Jun 2025 23:13

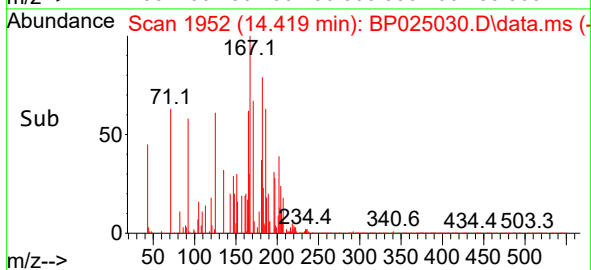
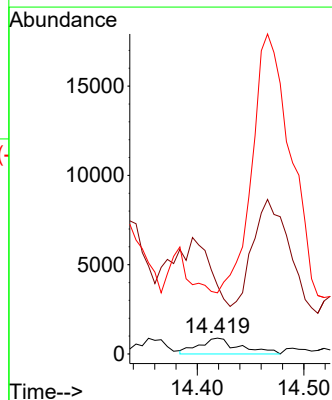
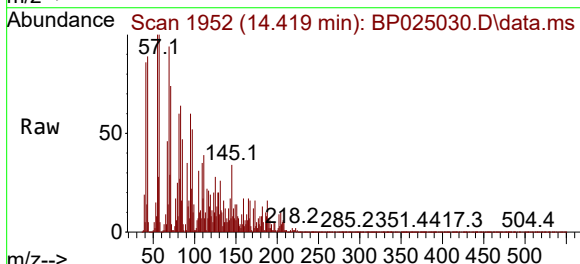
Instrument :
BNA_P
ClientSampleId :
3321DL

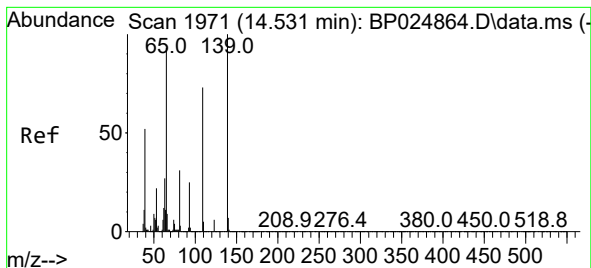
Tgt Ion:154 Resp: 191527
Ion Ratio Lower Upper
154 100
153 37.0 20.3 60.3
76 11.4 0.0 33.0



#54
2,4-Dinitrophenol
Concen: 5.975 ng
RT: 14.419 min Scan# 1952
Delta R.T. 0.024 min
Lab File: BP025030.D
Acq: 20 Jun 2025 23:13

Tgt Ion:184 Resp: 2333
Ion Ratio Lower Upper
184 100
63 432.2 51.0 76.4#
154 385.9 51.7 77.5#

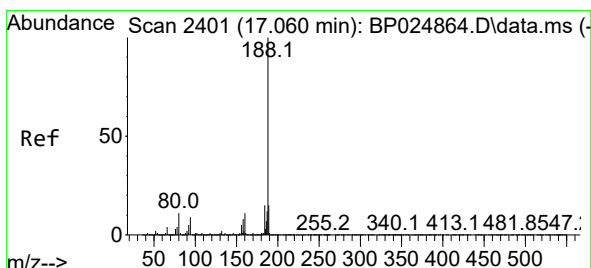
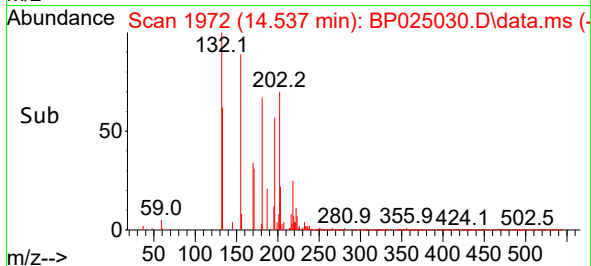
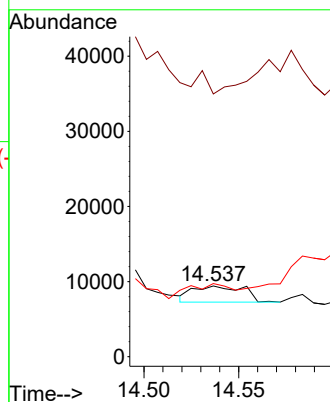
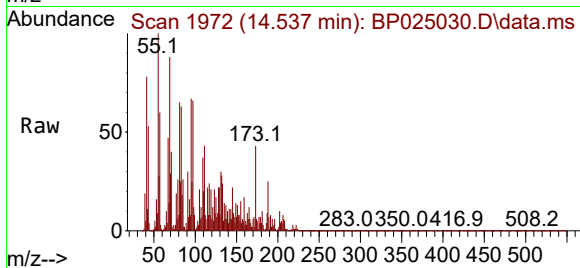




#56
4-Nitrophenol
Concen: 5.928 ng
RT: 14.537 min Scan# 1971
Delta R.T. 0.006 min
Lab File: BP025030.D
Acq: 20 Jun 2025 23:13

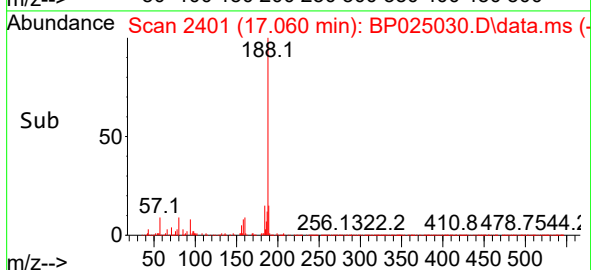
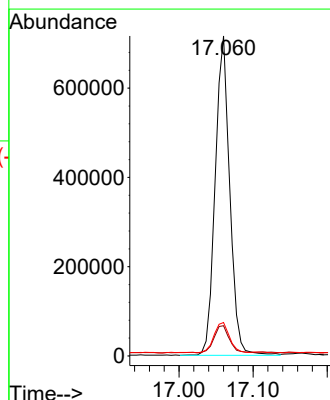
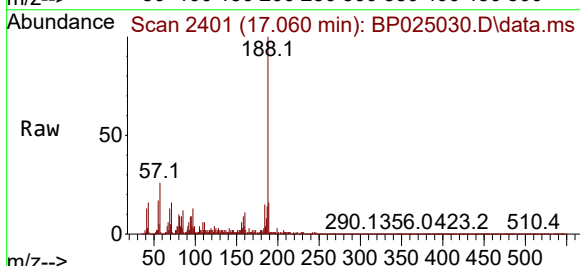
Instrument :
BNA_P
ClientSampleId :
3321DL

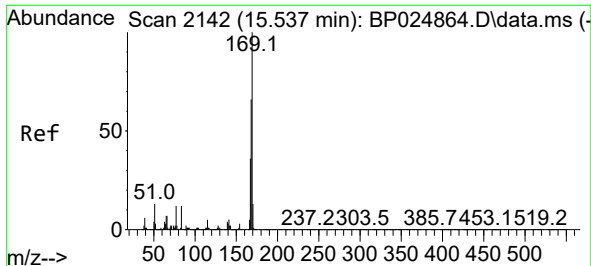
Tgt Ion:139 Resp: 3967
Ion Ratio Lower Upper
139 100
109 371.2 53.1 93.1#
65 103.2 73.0 113.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.060 min Scan# 2401
Delta R.T. -0.000 min
Lab File: BP025030.D
Acq: 20 Jun 2025 23:13

Tgt Ion:188 Resp: 974886
Ion Ratio Lower Upper
188 100
94 9.4 7.3 10.9
80 10.4 8.5 12.7

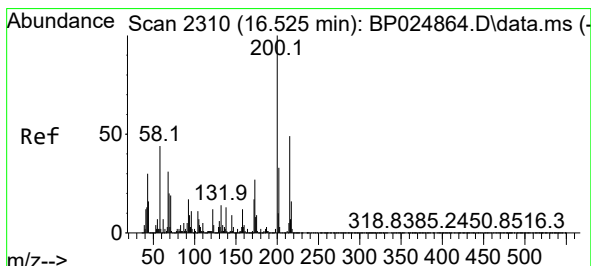
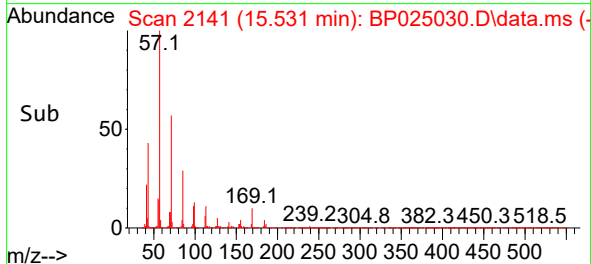
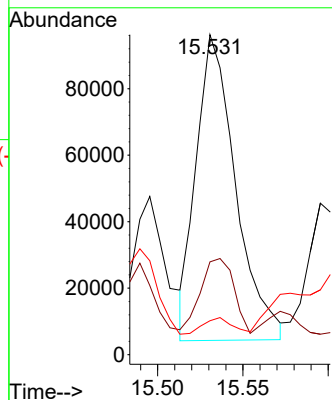
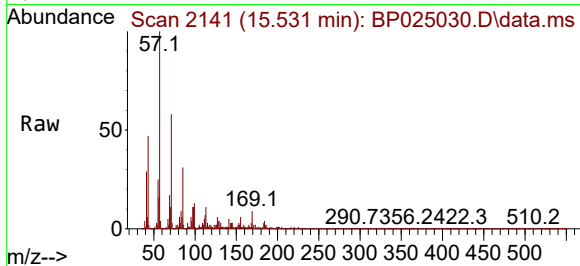




#66
n-Nitrosodiphenylamine
Concen: 4.894 ng
RT: 15.531 min Scan# 2142
Delta R.T. -0.006 min
Lab File: BP025030.D
Acq: 20 Jun 2025 23:13

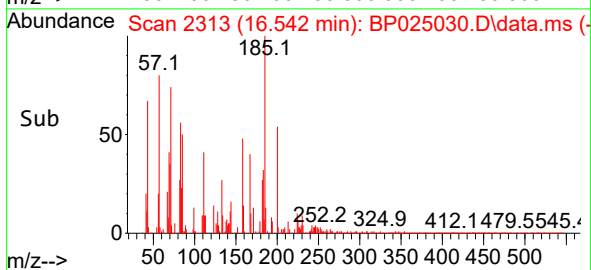
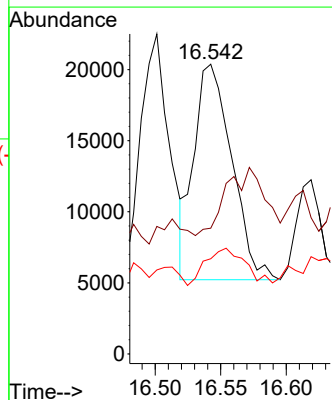
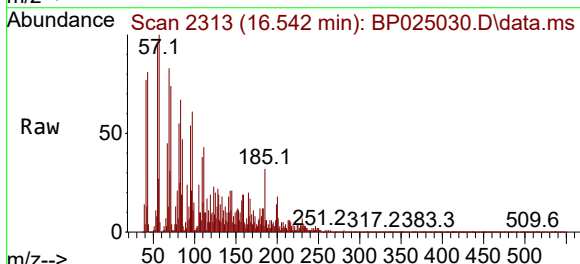
Instrument :
BNA_P
ClientSampleId :
3321DL

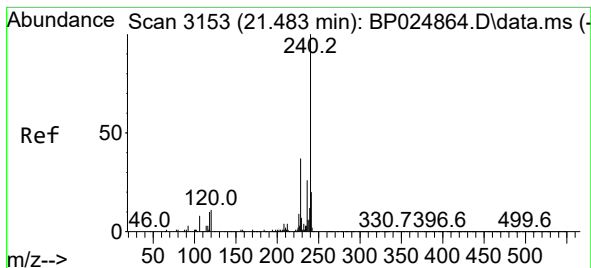
Tgt Ion:169 Resp: 147886
Ion Ratio Lower Upper
169 100
168 29.0 53.0 79.6#
167 10.6 28.6 43.0#



#69
Atrazine
Concen: 2.777 ng
RT: 16.542 min Scan# 2313
Delta R.T. 0.018 min
Lab File: BP025030.D
Acq: 20 Jun 2025 23:13

Tgt Ion:200 Resp: 30424
Ion Ratio Lower Upper
200 100
173 43.4 6.9 46.9
215 32.9 28.7 68.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.483 min Scan# 3153

Delta R.T. -0.000 min

Lab File: BP025030.D

Acq: 20 Jun 2025 23:13

Instrument :

BNA_P

ClientSampleId :

3321DL

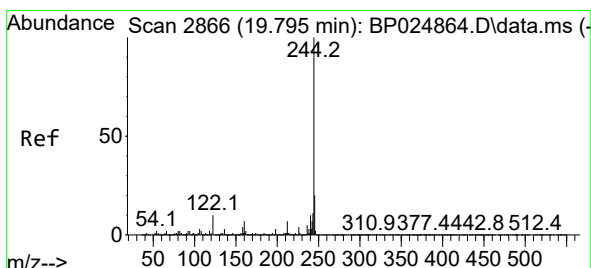
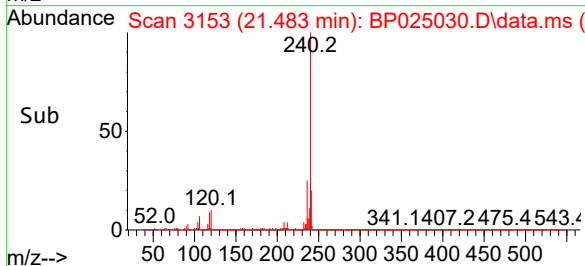
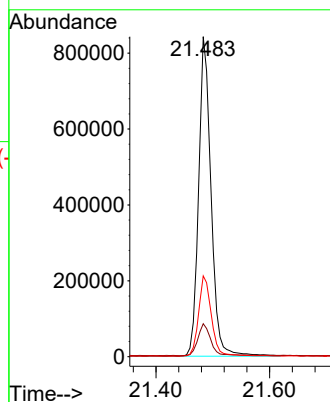
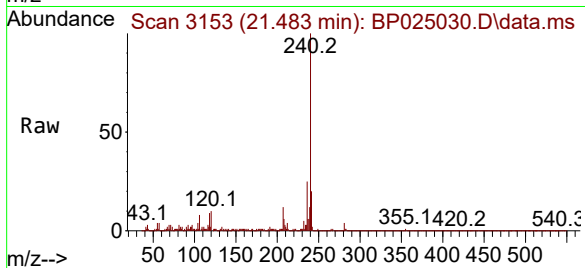
Tgt Ion:240 Resp: 1284119

Ion Ratio Lower Upper

240 100

120 10.3 8.9 13.3

236 25.2 20.9 31.3



#79

Terphenyl-d14

Concen: 1.971 ng

RT: 19.783 min Scan# 2864

Delta R.T. -0.012 min

Lab File: BP025030.D

Acq: 20 Jun 2025 23:13

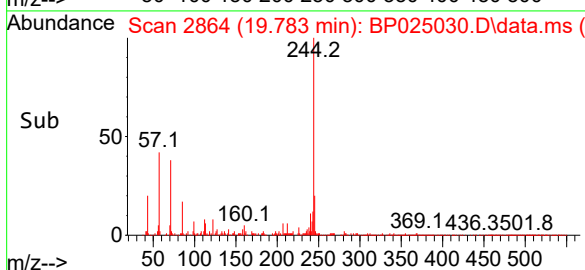
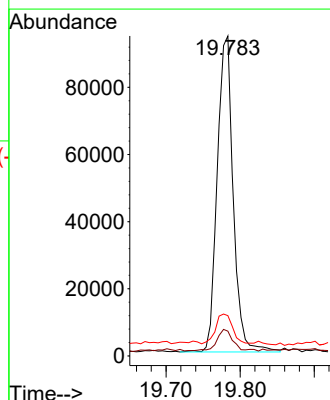
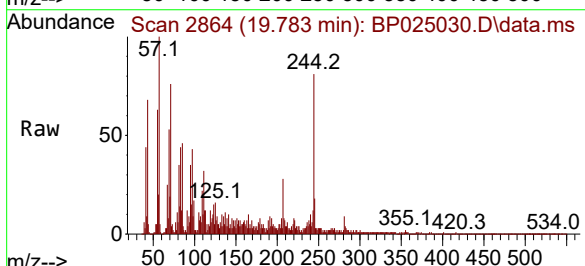
Tgt Ion:244 Resp: 141191

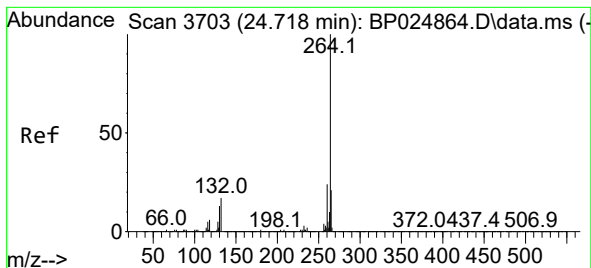
Ion Ratio Lower Upper

244 100

212 7.8 5.6 8.4

122 12.6 7.7 11.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.765 min Scan# 31

Delta R.T. 0.047 min

Lab File: BP025030.D

Acq: 20 Jun 2025 23:13

Instrument :

BNA_P

ClientSampleId :

3321DL

Tgt Ion:264 Resp: 1581484

Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.4

265 22.3 17.4 26.0

