

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP103025\
 Data File : BP026044.D
 Acq On : 30 Oct 2025 15:42
 Operator : RC/JU
 Sample : Q3447-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 P001-TW1-251023-01

Quant Time: Oct 30 16:12:18 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 30 11:51:34 2025
 Response via : Initial Calibration

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

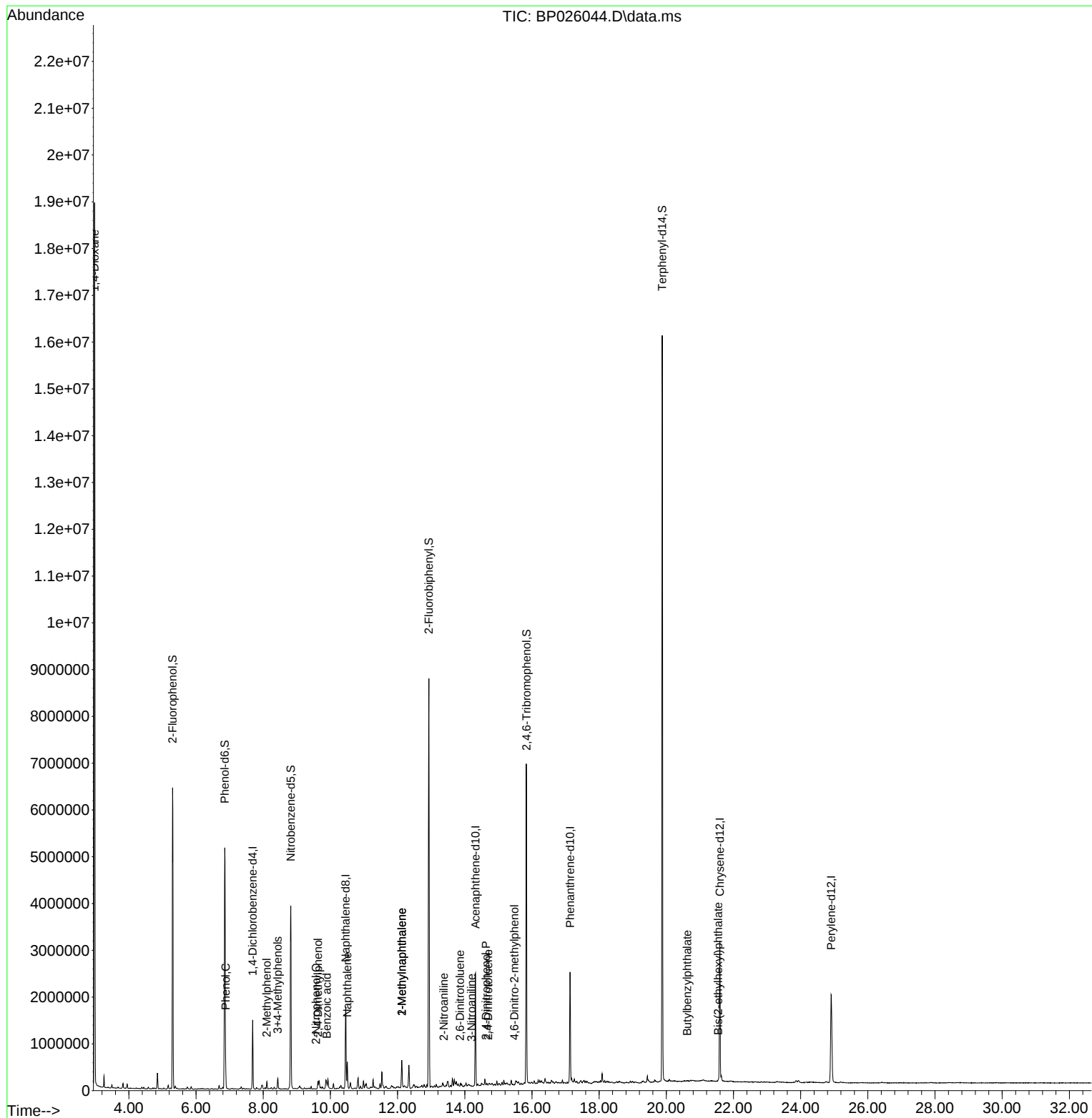
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.684	152	376742	20.000	ng	0.00
21) Naphthalene-d8	10.454	136	1432630	20.000	ng	0.00
39) Acenaphthene-d10	14.319	164	843948	20.000	ng	0.00
64) Phenanthrene-d10	17.137	188	1620982	20.000	ng	0.01
76) Chrysene-d12	21.595	240	1730921	20.000	ng	0.03
86) Perylene-d12	24.907	264	1889761	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.302	112	2791444	122.263	ng	0.00
7) Phenol-d6	6.855	99	3193658	109.899	ng	0.00
23) Nitrobenzene-d5	8.819	82	2079334	90.481	ng	0.00
42) 2,4,6-Tribromophenol	15.837	330	1272263	139.443	ng	0.00
45) 2-Fluorobiphenyl	12.931	172	4967566	84.579	ng	0.00
79) Terphenyl-d14	19.878	244	8020127	94.137	ng	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.978	88	162943	16.929	ng	# 1
10) Phenol	6.878	94	160948	4.989	ng	89
17) 2-Methylphenol	8.108	107	45985	2.177	ng	94
20) 3+4-Methylphenols	8.431	107	91930	3.128	ng	95
26) 2-Nitrophenol	9.572	139	38	2.681	ng	# 1
27) 2,4-Dimethylphenol	9.631	122	49343	2.385	ng	98
31) Naphthalene	10.502	128	436821	5.591	ng	99
32) Benzoic acid	9.890	122	39611	7.100	ng	# 26
37) 2-Methylnaphthalene	12.125	142	312887	5.722	ng	98
38) 1-Methylnaphthalene	12.125	142	312887	5.890	ng	96
48) 2-Nitroaniline	13.372	65	900	2.974	ng	# 85
51) 2,6-Dinitrotoluene	13.860	165	156	3.004	ng	# 1
53) 3-Nitroaniline	14.195	138	243	2.654	ng	# 86
54) 2,4-Dinitrophenol	14.631	184	2509	2.365	ng	89
57) 2,4-Dinitrotoluene	14.695	165	178	3.097	ng	# 44
65) 4,6-Dinitro-2-methylph...	15.478	198	189	2.007	ng	# 1
80) Butylbenzylphthalate	20.625	149	3845	3.479	ng	# 40
84) Bis(2-ethylhexyl)phtha...	21.548	149	18245	2.845	ng	# 94

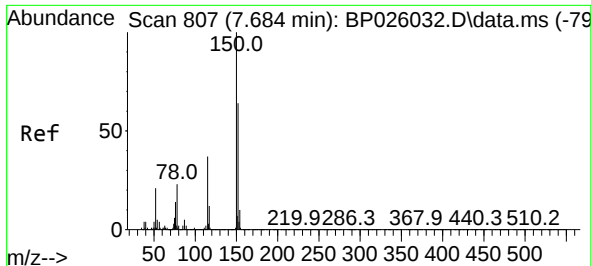
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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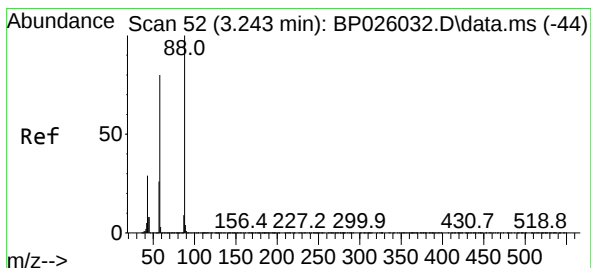
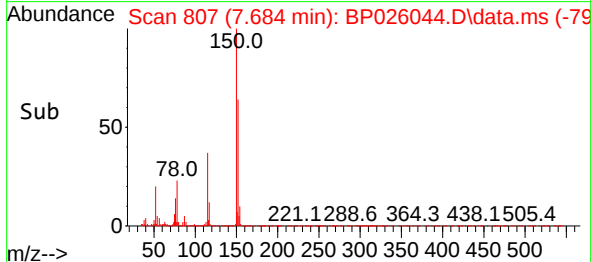
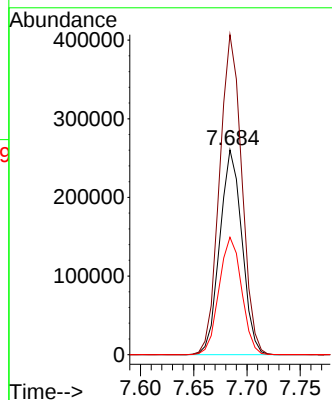
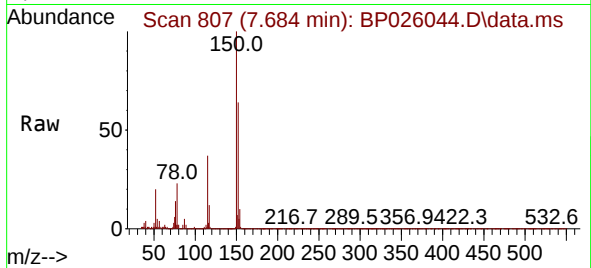




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.684 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BP026044.D
 Acq: 30 Oct 2025 15:42

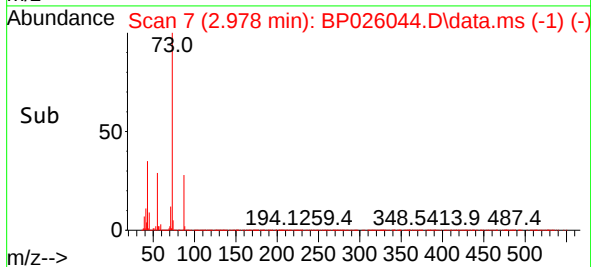
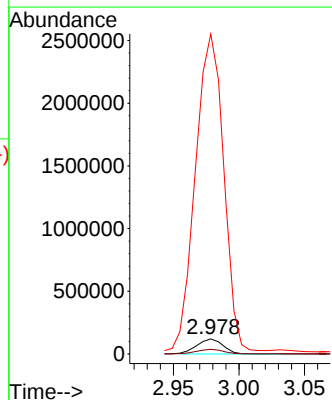
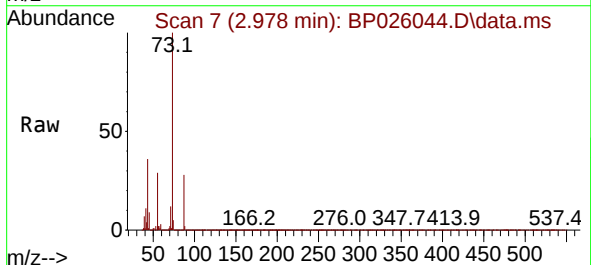
Instrument :
 BNA_P
 ClientSampleId :
 P001-TW1-251023-01

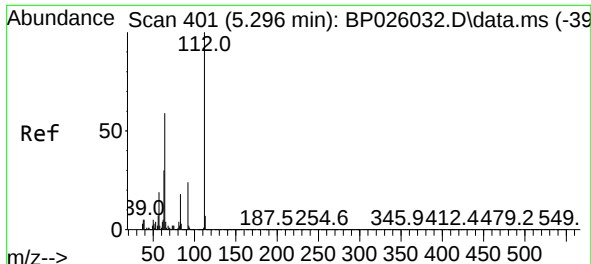
Tgt Ion:152 Resp: 376742
 Ion Ratio Lower Upper
 152 100
 150 156.3 125.7 188.5
 115 57.4 46.4 69.6



#2
 1,4-Dioxane
 Concen: 16.929 ng
 RT: 2.978 min Scan# 7
 Delta R.T. -0.259 min
 Lab File: BP026044.D
 Acq: 30 Oct 2025 15:42

Tgt Ion: 88 Resp: 162943
 Ion Ratio Lower Upper
 88 100
 58 30.0 65.4 98.0#
 43 2273.1 23.1 34.7#

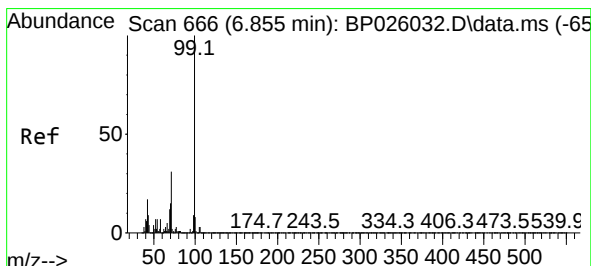
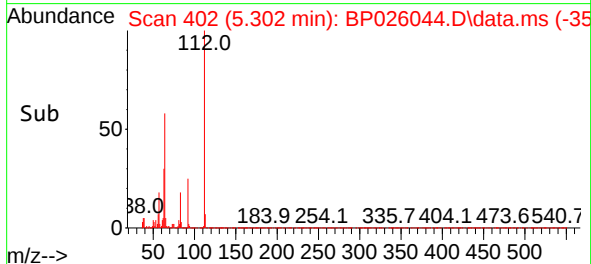
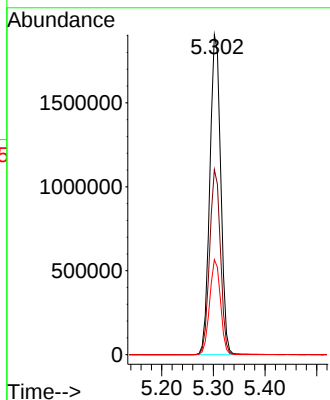
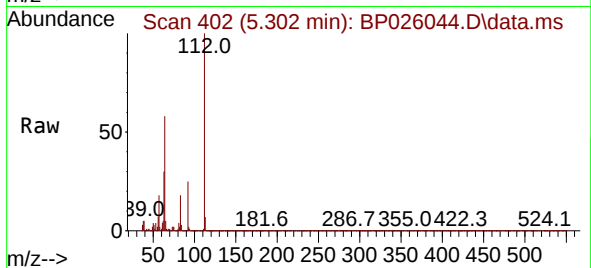




#5
2-Fluorophenol
Concen: 122.263 ng
RT: 5.302 min Scan# 401
Delta R.T. 0.006 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

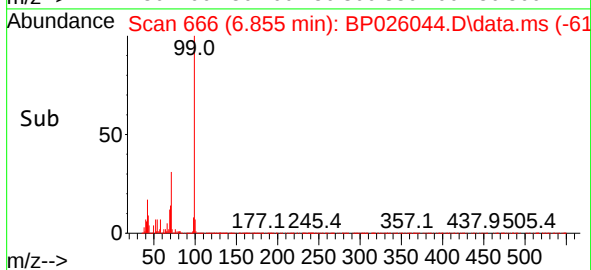
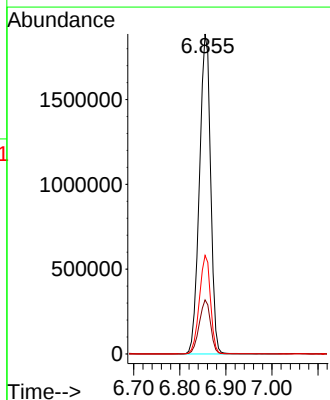
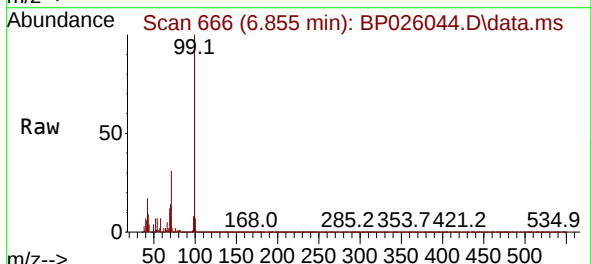
Instrument :
BNA_P
ClientSampleId :
P001-TW1-251023-01

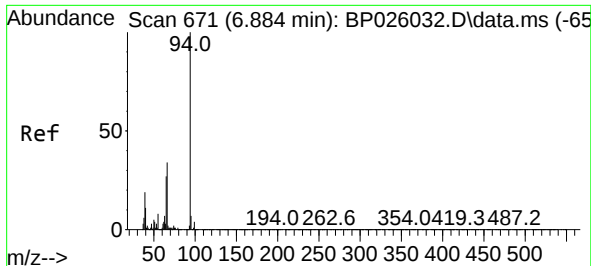
Tgt Ion:112 Resp: 2791444
Ion Ratio Lower Upper
112 100
64 57.8 47.4 71.2
63 29.7 24.2 36.4



#7
Phenol-d6
Concen: 109.899 ng
RT: 6.855 min Scan# 666
Delta R.T. 0.000 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

Tgt Ion: 99 Resp: 3193658
Ion Ratio Lower Upper
99 100
42 16.9 13.7 20.5
71 30.8 24.4 36.6

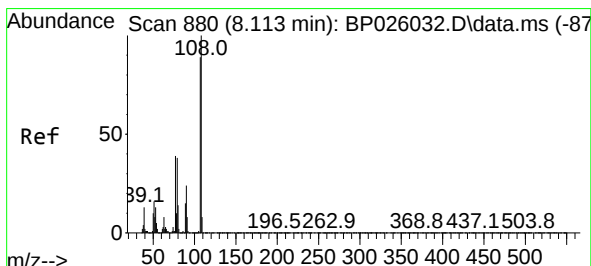
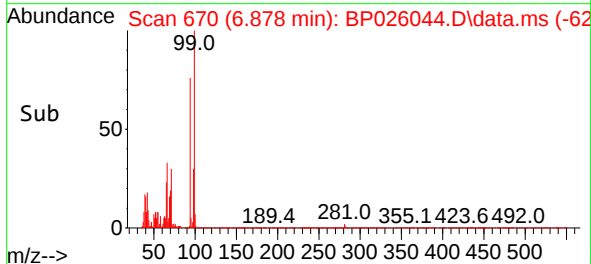
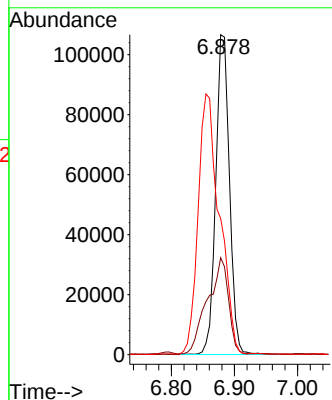
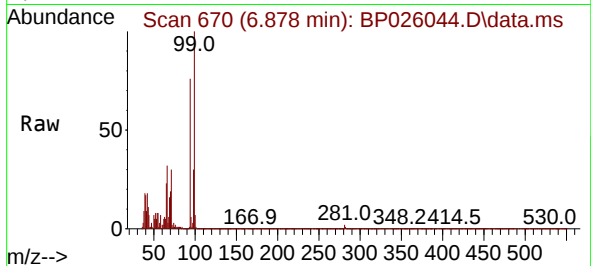




#10
Phenol
Concen: 4.989 ng
RT: 6.878 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

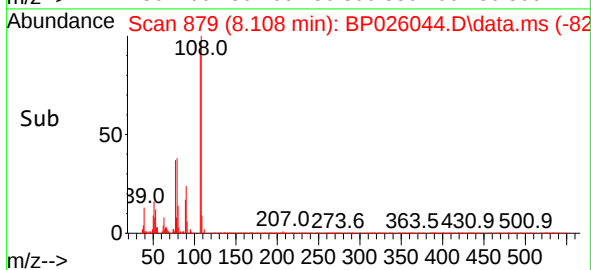
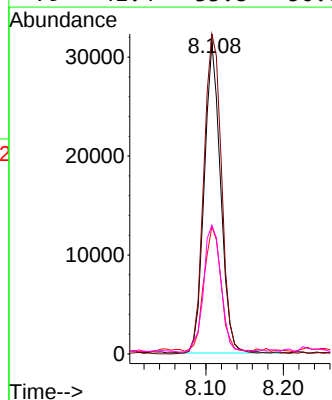
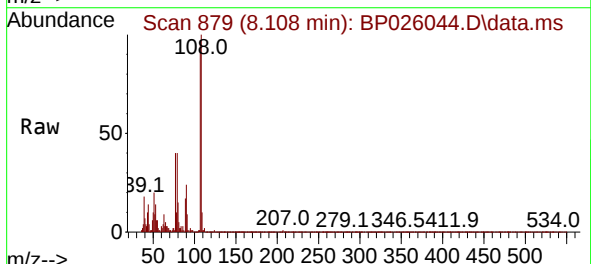
Instrument :
BNA_P
ClientSampleId :
P001-TW1-251023-01

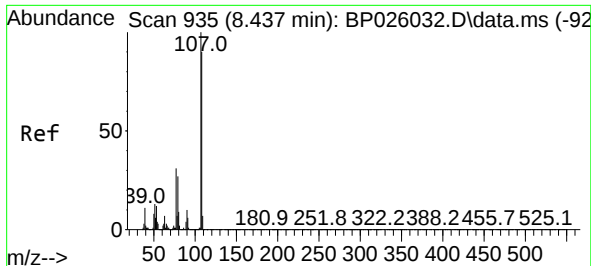
Tgt Ion: 94 Resp: 160948
Ion Ratio Lower Upper
94 100
65 30.3 7.1 47.1
66 42.5 14.4 54.4



#17
2-Methylphenol
Concen: 2.177 ng
RT: 8.108 min Scan# 879
Delta R.T. -0.006 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

Tgt Ion: 107 Resp: 45985
Ion Ratio Lower Upper
107 100
108 103.0 89.8 134.8
77 41.0 34.8 52.2
79 41.4 33.8 50.6

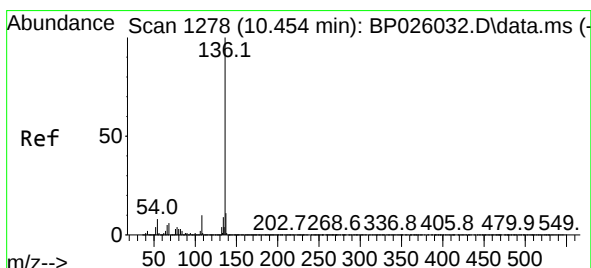
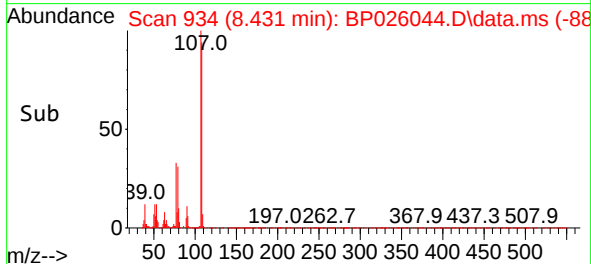
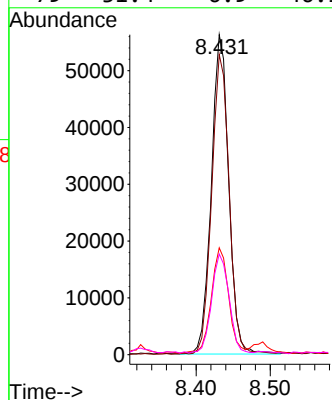
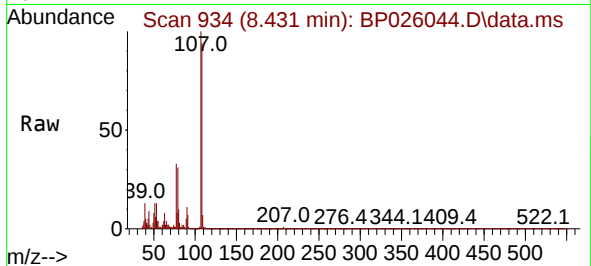




#20
3+4-Methylphenols
Concen: 3.128 ng
RT: 8.431 min Scan# 91
Delta R.T. -0.011 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

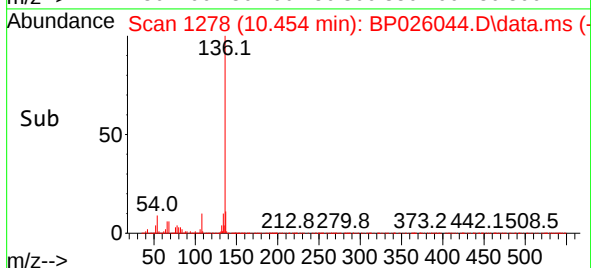
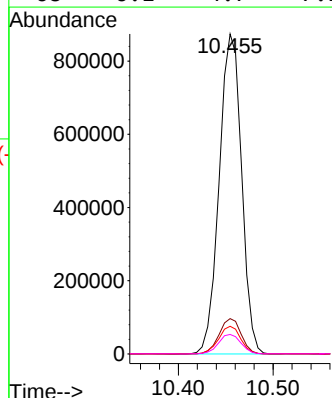
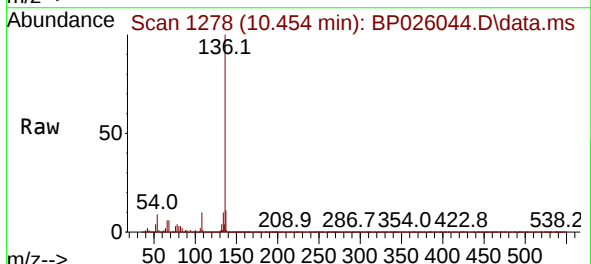
Instrument :
BNA_P
ClientSampleId :
P001-TW1-251023-01

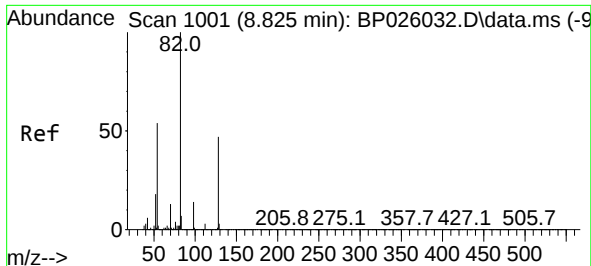
Tgt Ion:107	Resp:	91930
Ion	Ratio	Lower Upper
107	100	
108	93.8	70.1 110.1
77	33.4	10.7 50.7
79	31.4	6.9 46.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.454 min Scan# 1278
Delta R.T. 0.000 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

Tgt Ion:136	Resp:	1432630
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.8 13.2
54	8.7	6.6 10.0
68	6.1	4.7 7.1

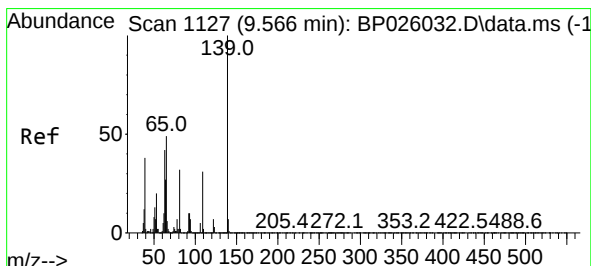
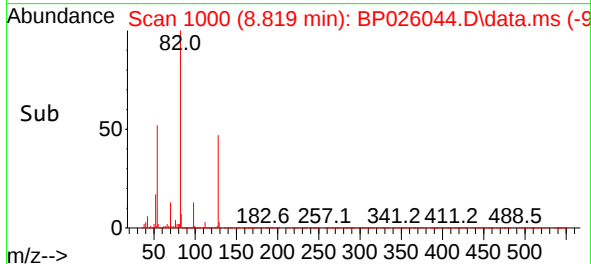
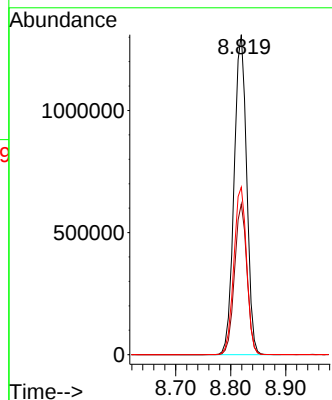
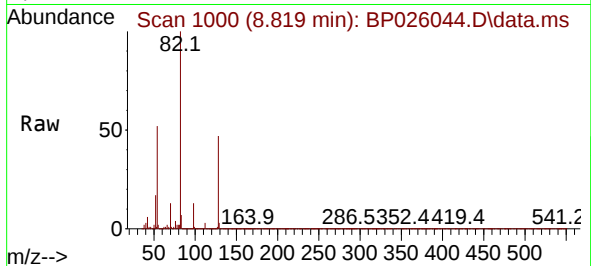




#23
Nitrobenzene-d5
Concen: 90.481 ng
RT: 8.819 min Scan# 1000
Delta R.T. -0.006 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

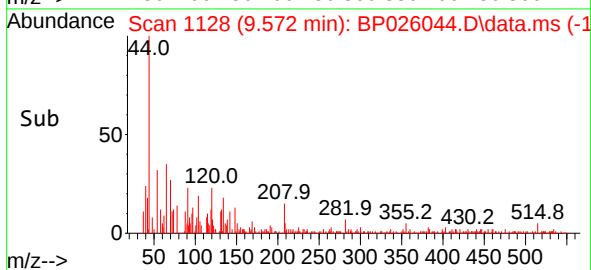
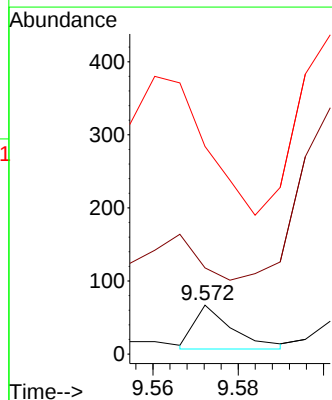
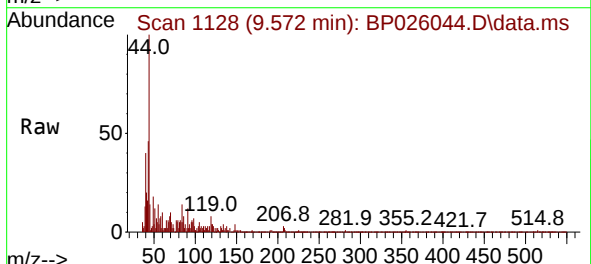
Instrument :
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ClientSampleId :
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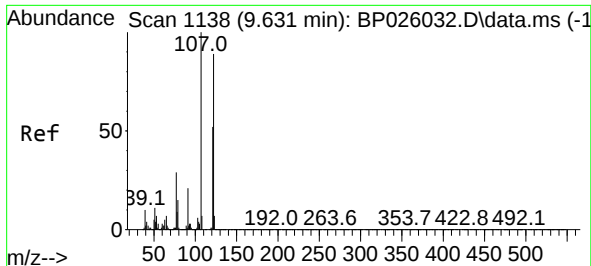
Tgt Ion: 82 Resp: 2079334
Ion Ratio Lower Upper
82 100
128 47.1 37.4 56.0
54 52.4 42.7 64.1



#26
2-Nitrophenol
Concen: 2.681 ng
RT: 9.572 min Scan# 1128
Delta R.T. 0.006 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

Tgt Ion:139 Resp: 38
Ion Ratio Lower Upper
139 100
109 176.1 24.8 37.2#
65 423.9 39.0 58.4#





#27

2,4-Dimethylphenol

Concen: 2.385 ng

RT: 9.631 min Scan# 1138

Delta R.T. 0.000 min

Lab File: BP026044.D

Acq: 30 Oct 2025 15:42

Instrument :

BNA_P

ClientSampleId :

P001-TW1-251023-01

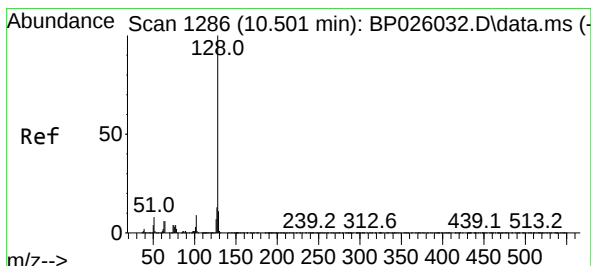
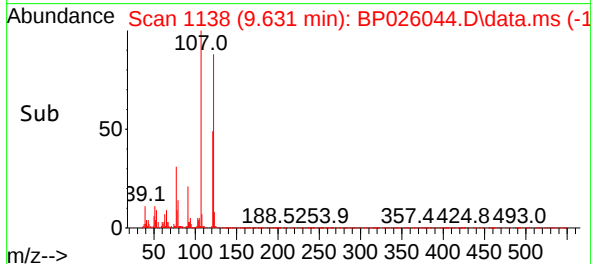
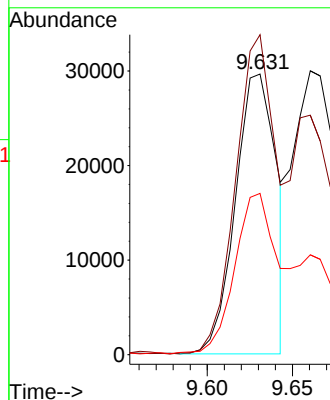
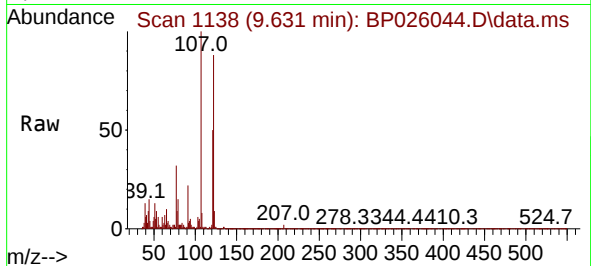
Tgt Ion:122 Resp: 49343

Ion Ratio Lower Upper

122 100

107 114.0 89.2 133.8

121 57.5 46.3 69.5



#31

Naphthalene

Concen: 5.591 ng

RT: 10.502 min Scan# 1286

Delta R.T. 0.000 min

Lab File: BP026044.D

Acq: 30 Oct 2025 15:42

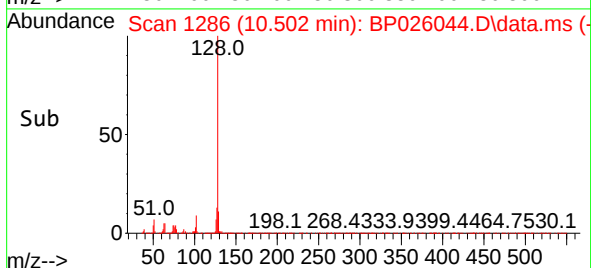
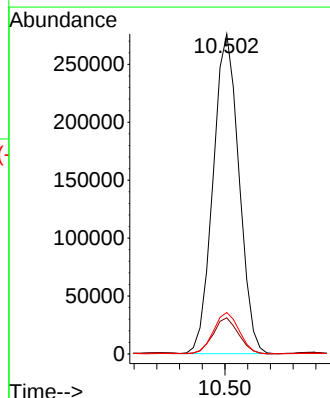
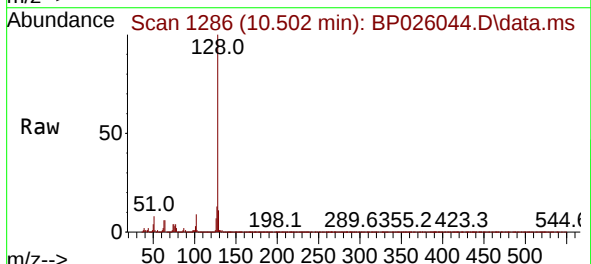
Tgt Ion:128 Resp: 436821

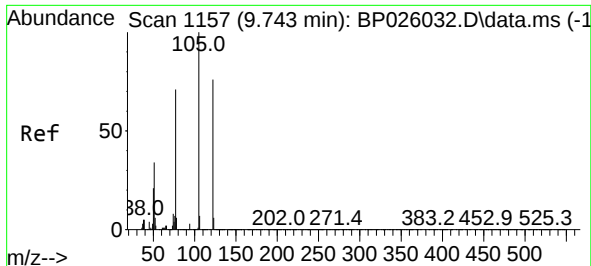
Ion Ratio Lower Upper

128 100

129 11.3 8.7 13.1

127 13.0 10.5 15.7

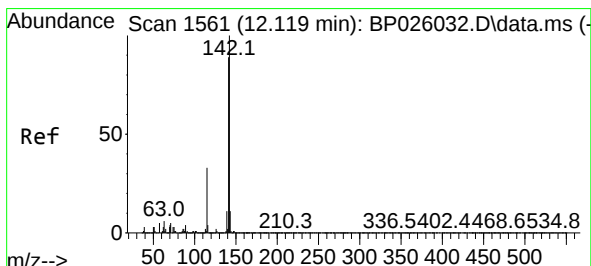
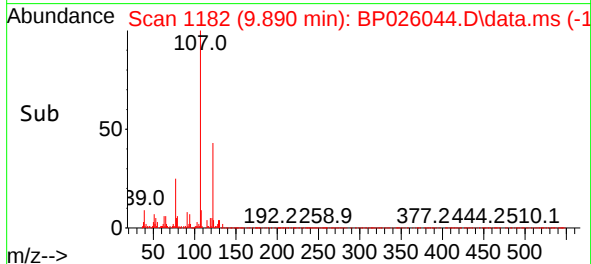
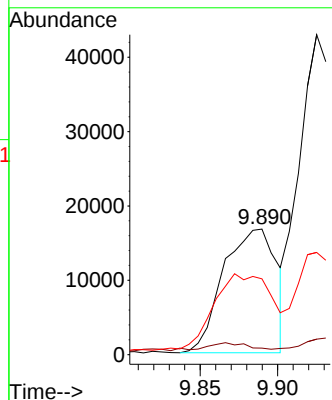
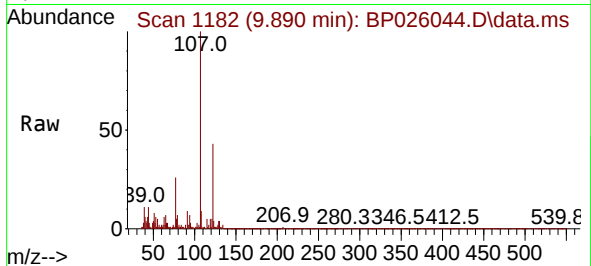




#32
Benzoic acid
Concen: 7.100 ng
RT: 9.890 min Scan# 1157
Delta R.T. 0.112 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

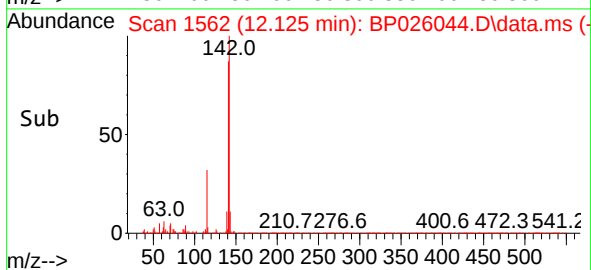
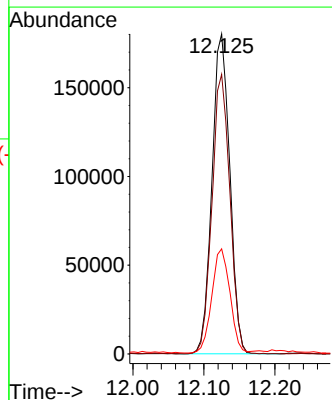
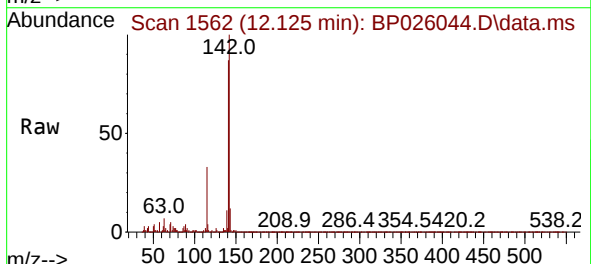
Instrument :
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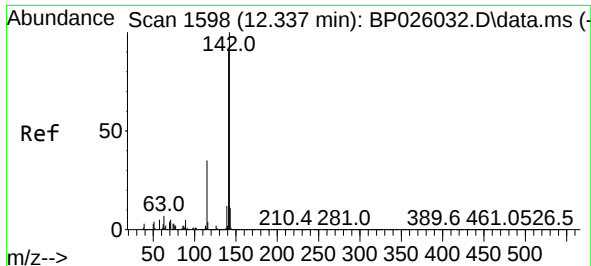
Tgt Ion:122 Resp: 39611
Ion Ratio Lower Upper
122 100
105 5.3 104.8 144.8#
77 60.4 70.9 110.9#



#37
2-Methylnaphthalene
Concen: 5.722 ng
RT: 12.125 min Scan# 1562
Delta R.T. 0.012 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

Tgt Ion:142 Resp: 312887
Ion Ratio Lower Upper
142 100
141 87.3 71.6 107.4
115 32.8 26.6 39.8

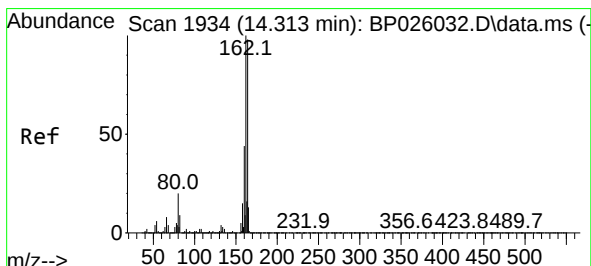
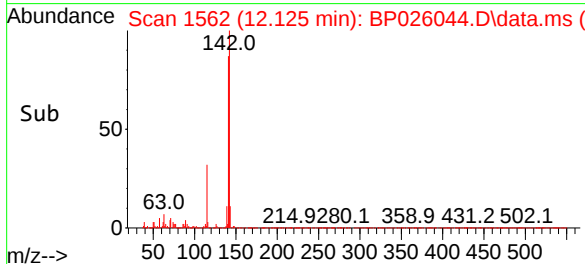
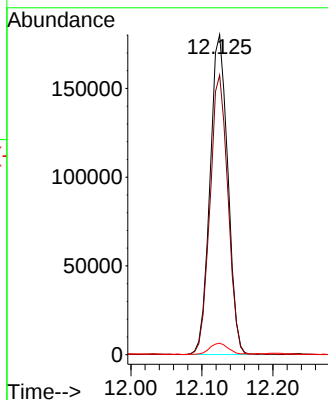
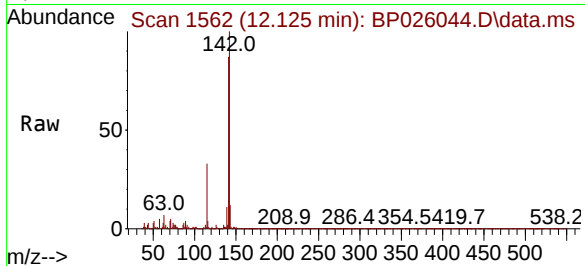




#38
1-Methylnaphthalene
Concen: 5.890 ng
RT: 12.125 min Scan# 1562
Delta R.T. -0.211 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

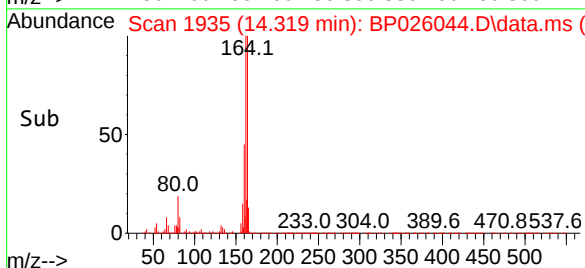
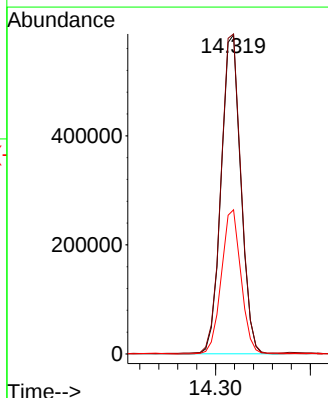
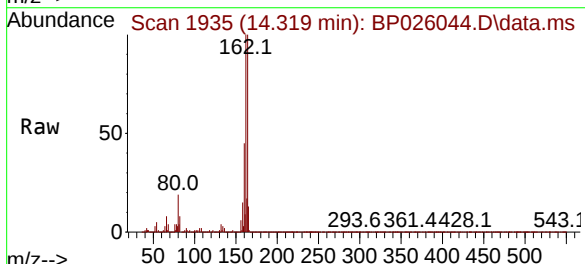
Instrument :
BNA_P
ClientSampleId :
P001-TW1-251023-01

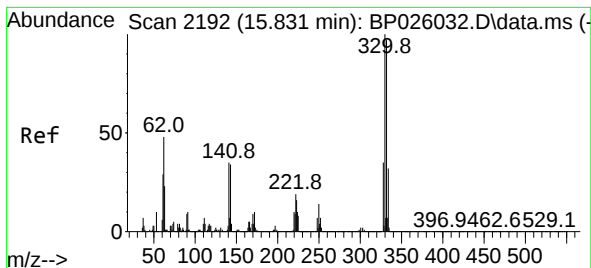
Tgt Ion:142 Resp: 312887
Ion Ratio Lower Upper
142 100
141 87.3 72.7 109.1
116 3.6 2.9 4.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.319 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

Tgt Ion:164 Resp: 843948
Ion Ratio Lower Upper
164 100
162 100.2 81.5 122.3
160 45.2 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 139.443 ng

RT: 15.837 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP026044.D

Acq: 30 Oct 2025 15:42

Instrument :

BNA_P

ClientSampleId :

P001-TW1-251023-01

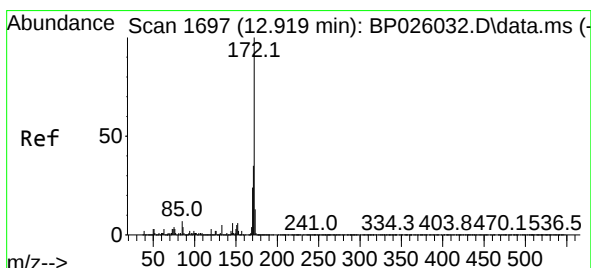
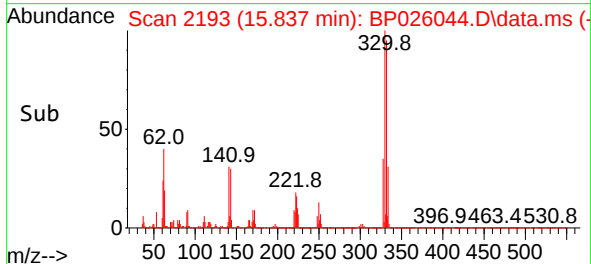
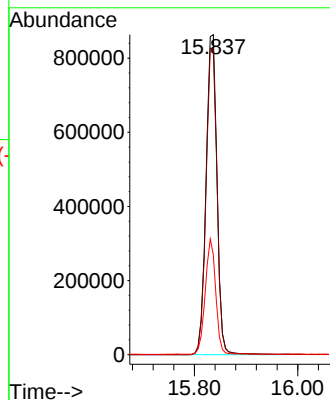
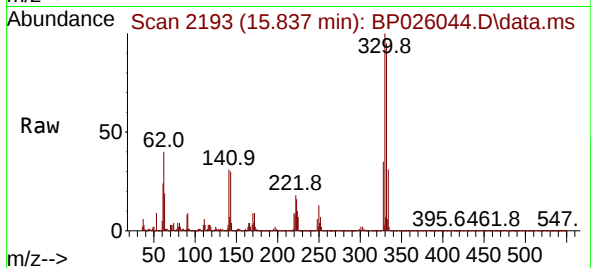
Tgt Ion:330 Resp: 1272263

Ion Ratio Lower Upper

330 100

332 96.0 77.3 115.9

141 34.2 28.6 42.8



#45

2-Fluorobiphenyl

Concen: 84.579 ng

RT: 12.931 min Scan# 1699

Delta R.T. -0.000 min

Lab File: BP026044.D

Acq: 30 Oct 2025 15:42

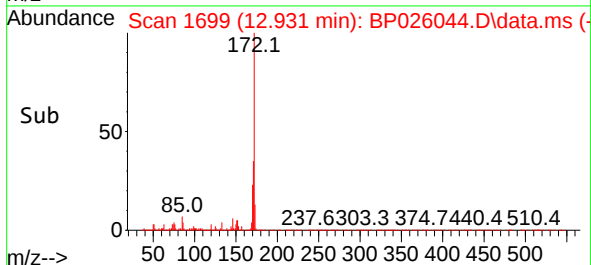
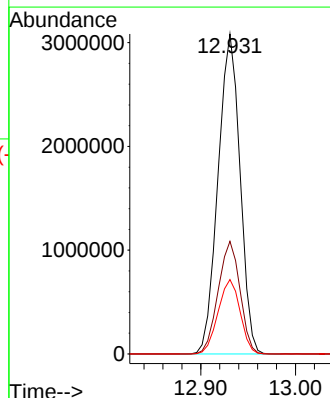
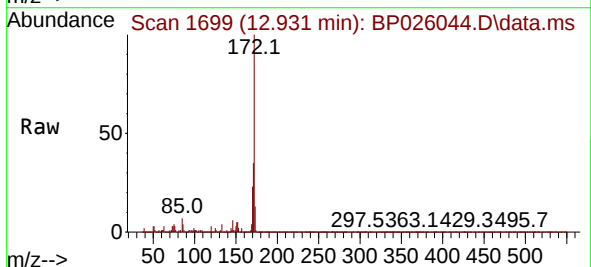
Tgt Ion:172 Resp: 4967566

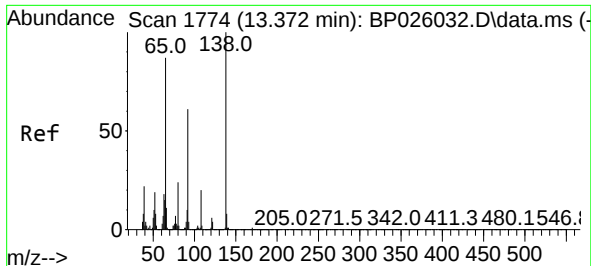
Ion Ratio Lower Upper

172 100

171 35.2 27.9 41.9

170 23.3 19.0 28.4

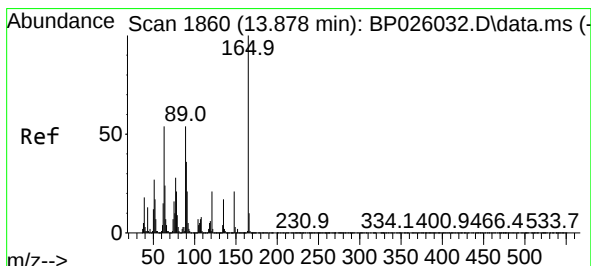
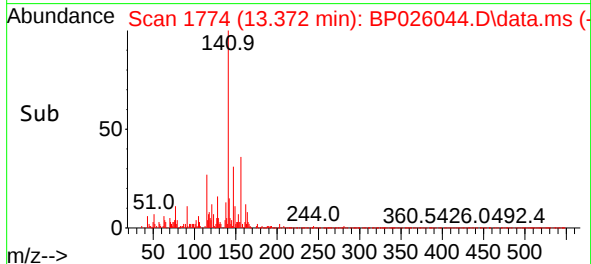
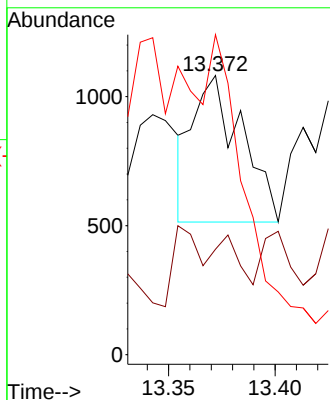
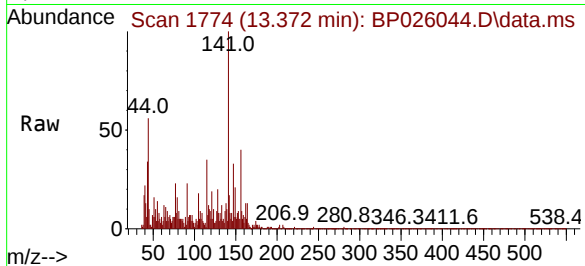




#48
2-Nitroaniline
Concen: 2.974 ng
RT: 13.372 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

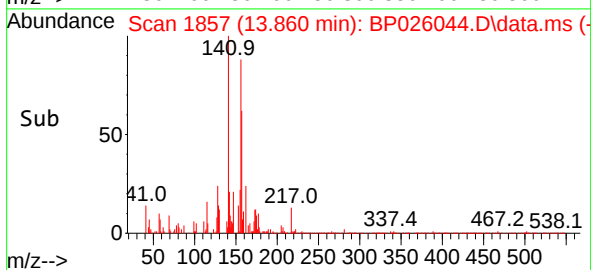
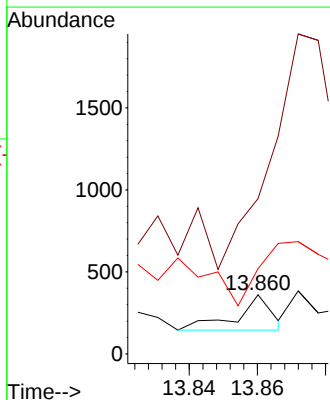
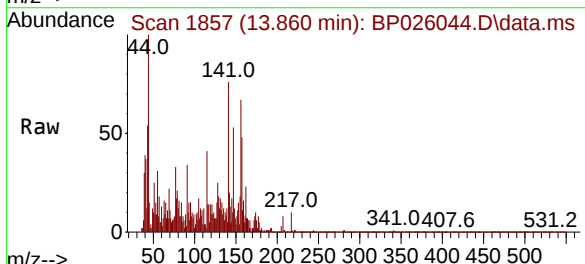
Instrument :
BNA_P
ClientSampleId :
P001-TW1-251023-01

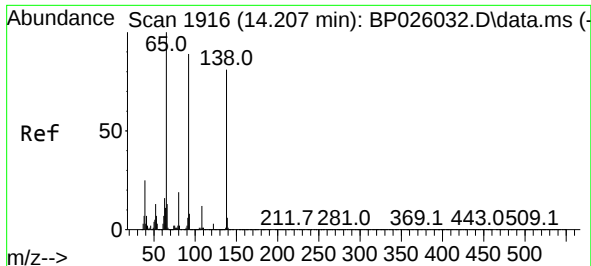
Tgt Ion: 65 Resp: 900
Ion Ratio Lower Upper
65 100
92 37.8 55.5 83.3#
138 114.6 91.7 137.5



#51
2,6-Dinitrotoluene
Concen: 3.004 ng
RT: 13.860 min Scan# 1857
Delta R.T. -0.018 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

Tgt Ion: 165 Resp: 156
Ion Ratio Lower Upper
165 100
63 262.3 43.0 64.4#
89 144.0 43.0 64.4#

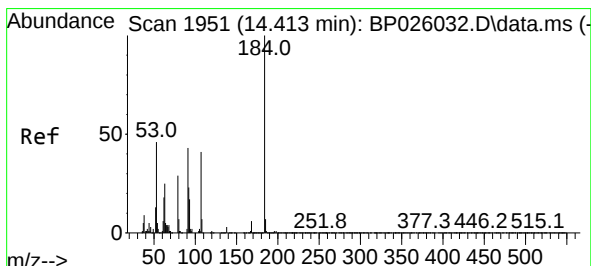
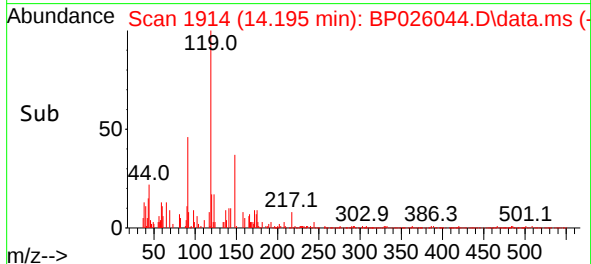
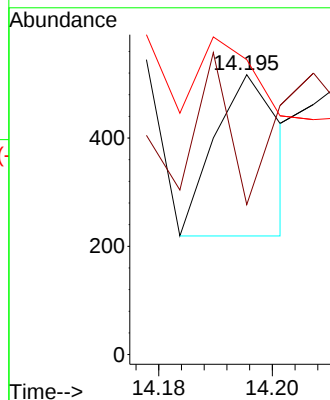
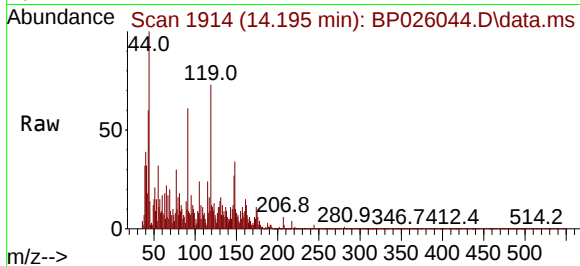




#53
3-Nitroaniline
Concen: 2.654 ng
RT: 14.195 min Scan# 1916
Delta R.T. -0.012 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

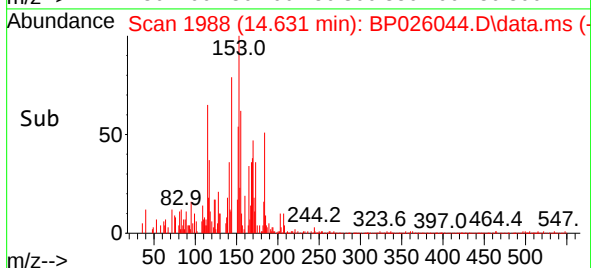
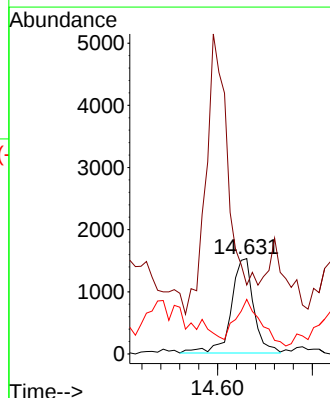
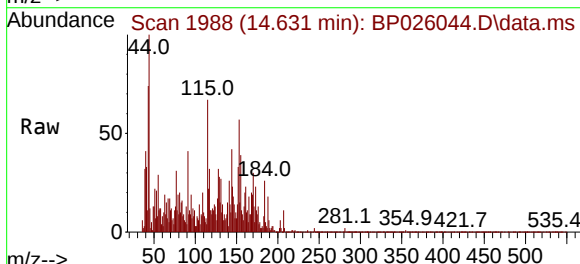
Instrument :
BNA_P
ClientSampleId :
P001-TW1-251023-01

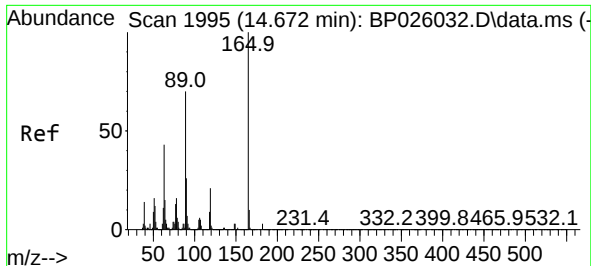
Tgt Ion:138 Resp: 243
Ion Ratio Lower Upper
138 100
108 53.6 11.4 17.0#
92 105.4 87.1 130.7



#54
2,4-Dinitrophenol
Concen: 2.365 ng
RT: 14.631 min Scan# 1988
Delta R.T. 0.212 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

Tgt Ion:184 Resp: 2509
Ion Ratio Lower Upper
184 100
63 72.3 49.0 73.4
154 57.2 51.0 76.6

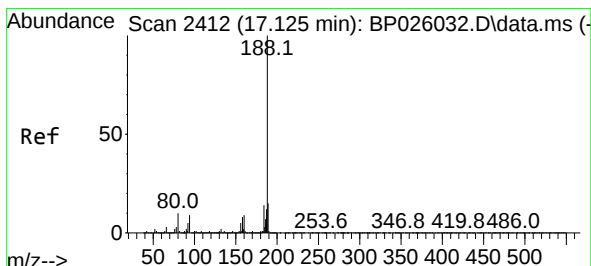
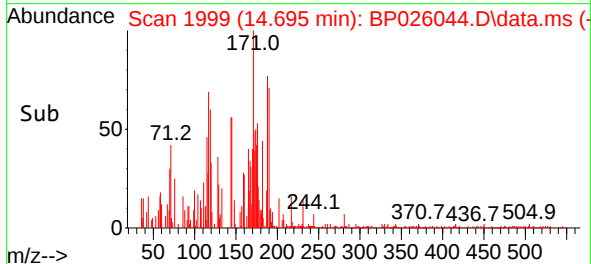
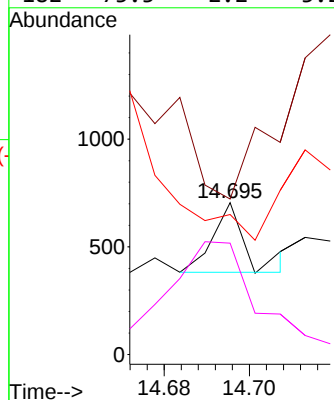
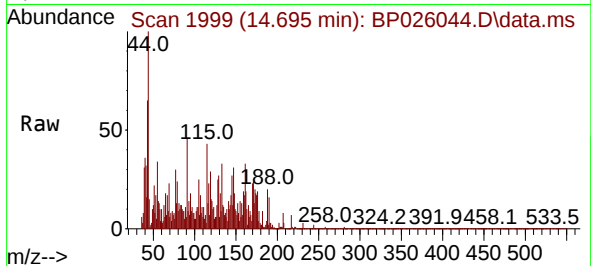




#57
2,4-Dinitrotoluene
Concen: 3.097 ng
RT: 14.695 min Scan# 1999
Delta R.T. 0.017 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

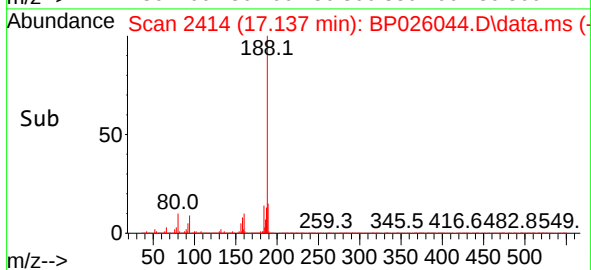
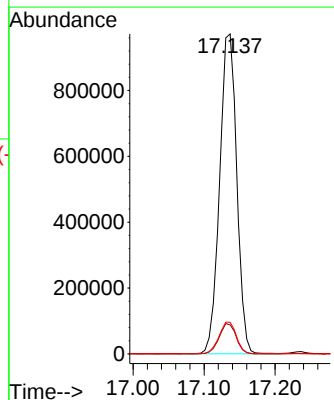
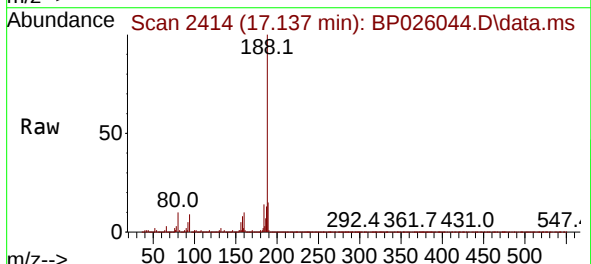
Instrument :
BNA_P
ClientSampleId :
P001-TW1-251023-01

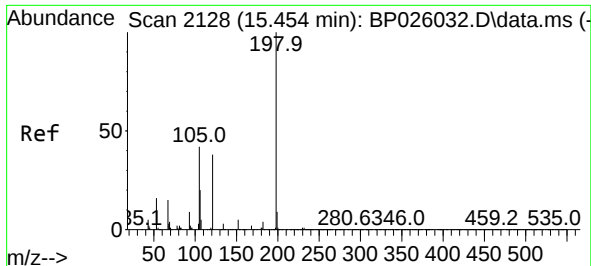
Tgt Ion:	165	Resp:	178
Ion	Ratio	Lower	Upper
165	100		
63	102.4	34.2	51.2#
89	92.2	56.0	84.0#
182	73.3	2.2	3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.137 min Scan# 2414
Delta R.T. 0.012 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

Tgt Ion:	188	Resp:	1620982
Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.1	10.7
80	9.9	7.9	11.9

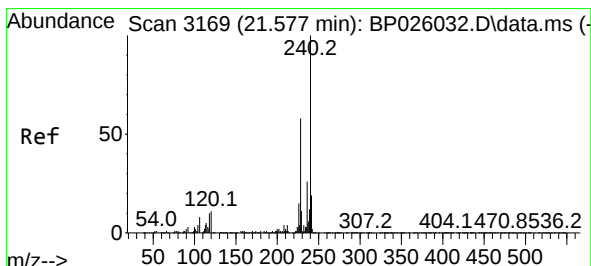
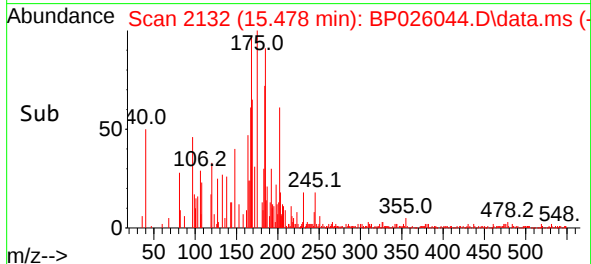
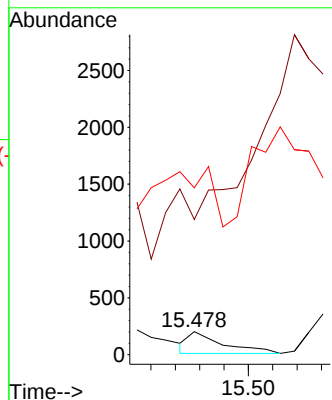
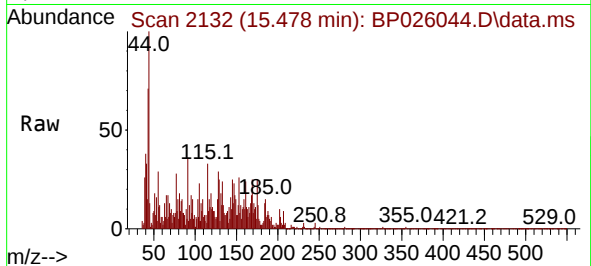




#65
4,6-Dinitro-2-methylphenol
Concen: 2.007 ng
RT: 15.478 min Scan# 21
Delta R.T. 0.024 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

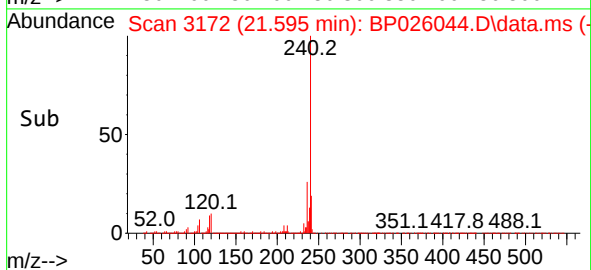
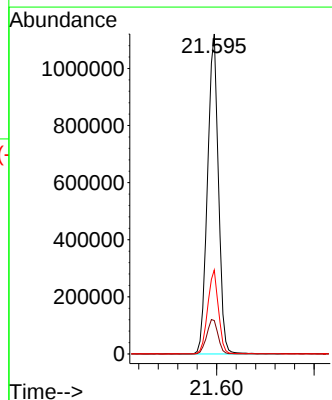
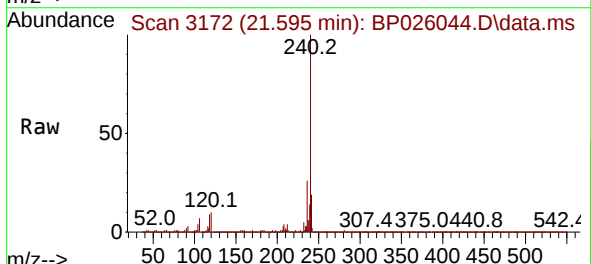
Instrument :
BNA_P
ClientSampleId :
P001-TW1-251023-01

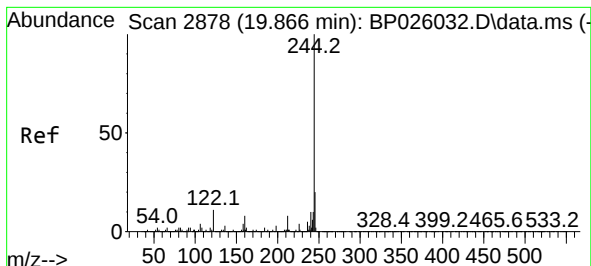
Tgt Ion:198 Resp: 189
Ion Ratio Lower Upper
198 100
51 586.2 25.2 65.2#
105 723.2 23.7 63.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.595 min Scan# 3172
Delta R.T. 0.030 min
Lab File: BP026044.D
Acq: 30 Oct 2025 15:42

Tgt Ion:240 Resp: 1730921
Ion Ratio Lower Upper
240 100
120 10.4 8.9 13.3
236 26.2 20.6 31.0





#79

Terphenyl-d14

Concen: 94.137 ng

RT: 19.878 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP026044.D

Acq: 30 Oct 2025 15:42

Instrument :

BNA_P

ClientSampleId :

P001-TW1-251023-01

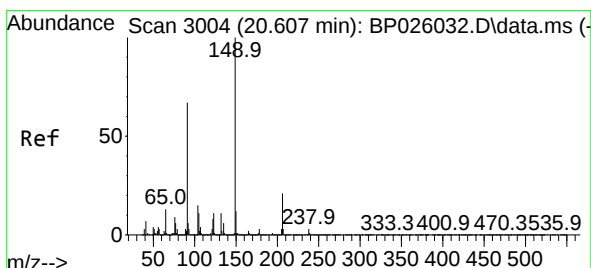
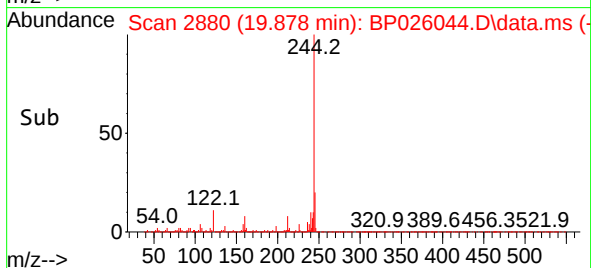
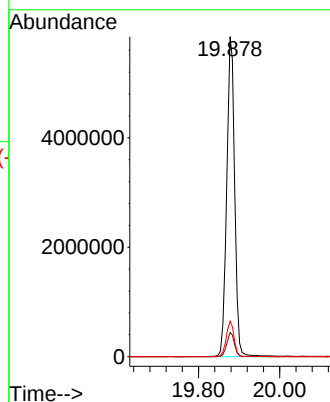
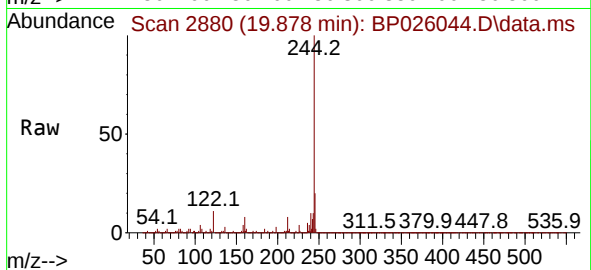
Tgt Ion:244 Resp: 8020127

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

122 11.1 9.0 13.6



#80

Butylbenzylphthalate

Concen: 3.479 ng

RT: 20.625 min Scan# 3007

Delta R.T. 0.018 min

Lab File: BP026044.D

Acq: 30 Oct 2025 15:42

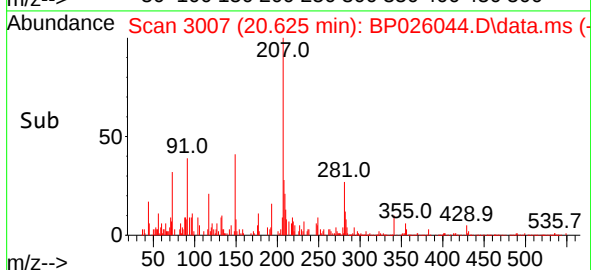
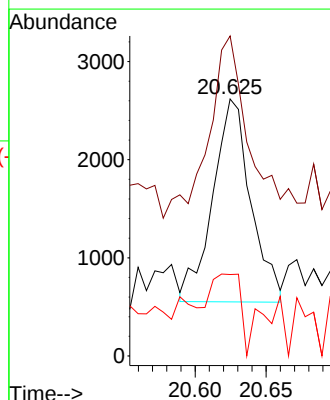
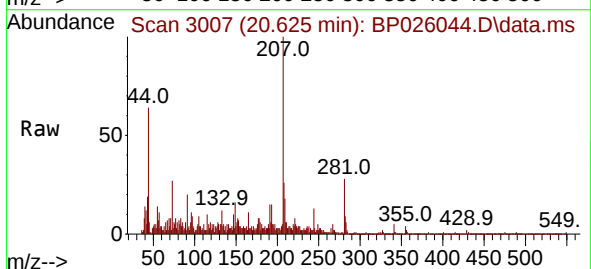
Tgt Ion:149 Resp: 3845

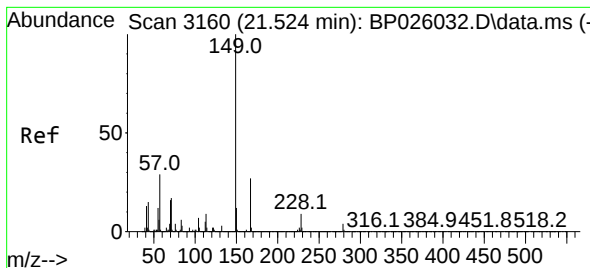
Ion Ratio Lower Upper

149 100

91 124.6 53.5 80.3#

206 31.7 16.6 25.0#

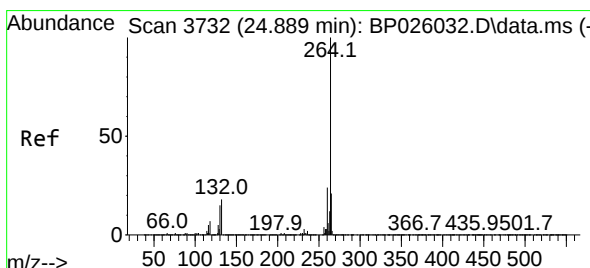
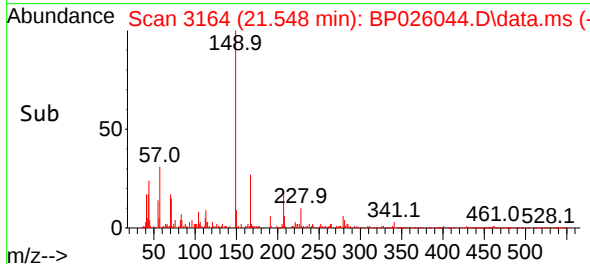
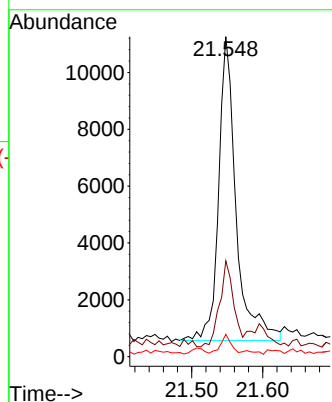
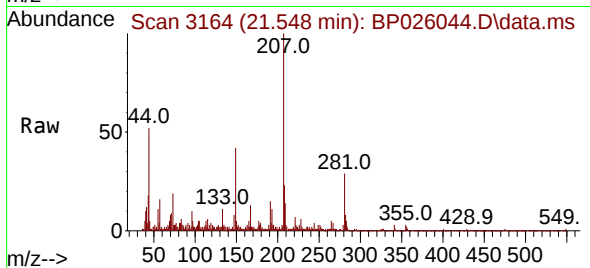




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.845 ng
 RT: 21.548 min Scan# 3164
 Delta R.T. 0.030 min
 Lab File: BP026044.D
 Acq: 30 Oct 2025 15:42

Instrument :
 BNA_P
 ClientSampleId :
 P001-TW1-251023-01

Tgt Ion:149 Resp: 18245
 Ion Ratio Lower Upper
 149 100
 167 30.0 21.5 32.3
 279 7.0 3.0 4.6#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.907 min Scan# 3735
 Delta R.T. 0.024 min
 Lab File: BP026044.D
 Acq: 30 Oct 2025 15:42

Tgt Ion:264 Resp: 1889761
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.1 28.7
 265 21.7 17.2 25.8

