

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110625\
 Data File : BP026086.D
 Acq On : 06 Nov 2025 21:11
 Operator : RC/JU
 Sample : Q3552-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MW-4

Quant Time: Nov 07 01:03:19 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)

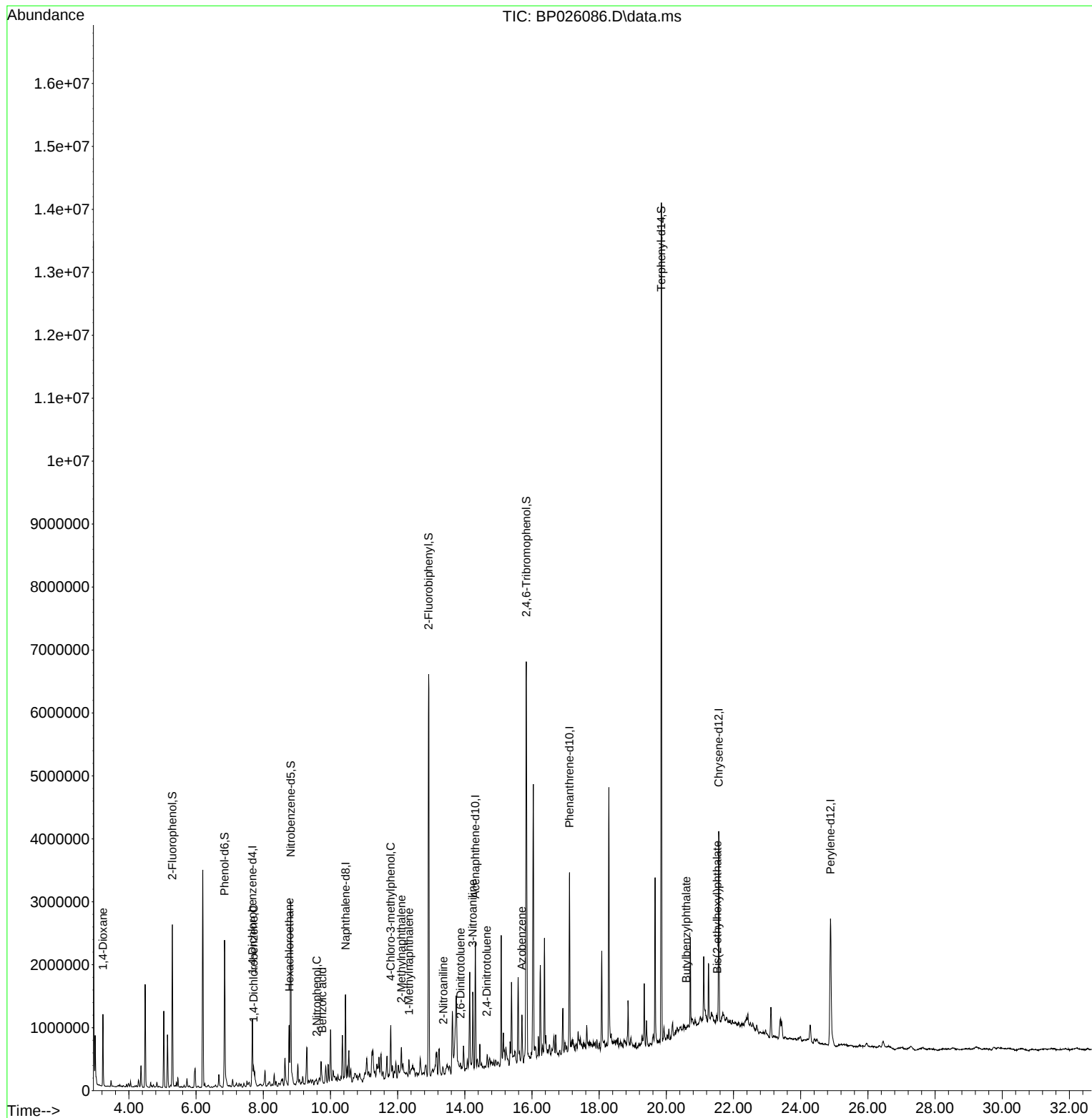
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.678	152	263143	20.000	ng	-0.01
21) Naphthalene-d8	10.448	136	1061171	20.000	ng	0.00
39) Acenaphthene-d10	14.313	164	711488	20.000	ng	0.00
64) Phenanthrene-d10	17.118	188	1575922	20.000	ng	0.00
76) Chrysene-d12	21.559	240	1759255	20.000	ng	0.00
86) Perylene-d12	24.889	264	2005536	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.296	112	1112229	69.745	ng	0.00
7) Phenol-d6	6.848	99	1250505	61.609	ng	0.00
23) Nitrobenzene-d5	8.819	82	1581683	92.918	ng	0.00
42) 2,4,6-Tribromophenol	15.830	330	1239774	161.180	ng	0.00
45) 2-Fluorobiphenyl	12.925	172	3816364	77.075	ng	0.00
79) Terphenyl-d14	19.854	244	7024653	81.125	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.225	88	509351	75.765	ng	97
13) 1,4-Dichlorobenzene	7.713	146	132039	6.440	ng	98
18) Hexachloroethane	8.778	117	29557	4.213	ng	# 1
26) 2-Nitrophenol	9.595	139	1648	2.912	ng	# 1
32) Benzoic acid	9.754	122	464	3.181	ng	# 1
36) 4-Chloro-3-methylphenol	11.795	107	156939	9.254	ng	# 19
37) 2-Methylnaphthalene	12.113	142	140160	3.461	ng	98
38) 1-Methylnaphthalene	12.336	142	103818	2.638	ng	# 99
48) 2-Nitroaniline	13.360	65	3218	3.184	ng	# 36
51) 2,6-Dinitrotoluene	13.872	165	5756	3.549	ng	# 62
53) 3-Nitroaniline	14.236	138	26795	4.809	ng	# 1
57) 2,4-Dinitrotoluene	14.654	165	3597	3.324	ng	# 85
63) Azobenzene	15.701	77	207211	4.394	ng	# 1
80) Butylbenzylphthalate	20.589	149	2157	3.442	ng	# 1
84) Bis(2-ethylhexyl)phtha...	21.512	149	29404	2.989	ng	# 86

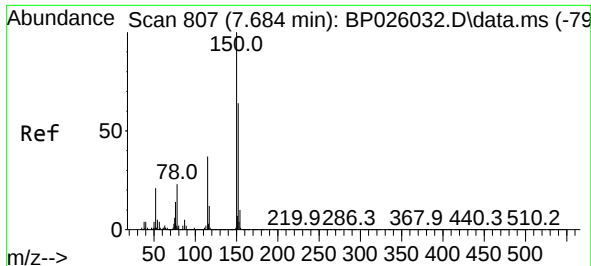
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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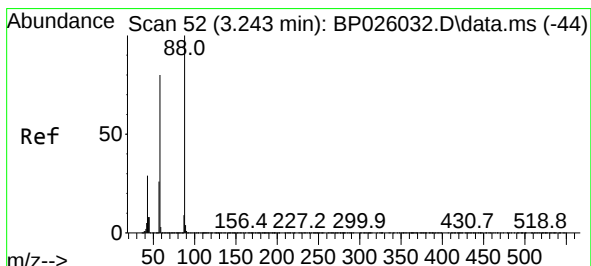
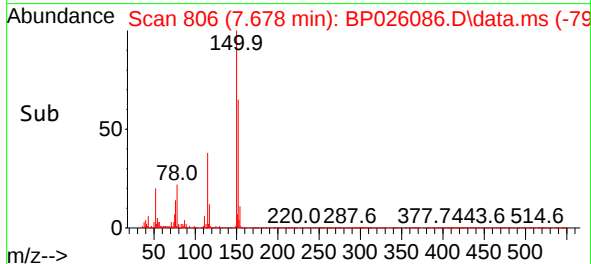
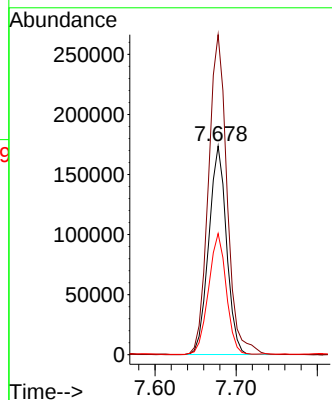
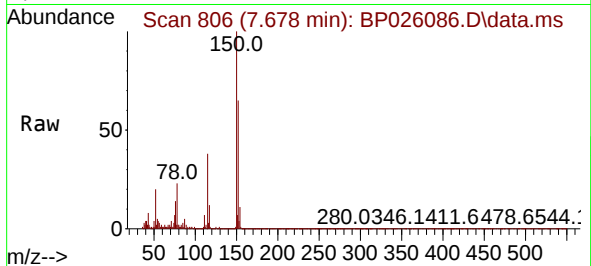




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.678 min Scan# 80
Delta R.T. -0.012 min
Lab File: BP026086.D
Acq: 06 Nov 2025 21:11

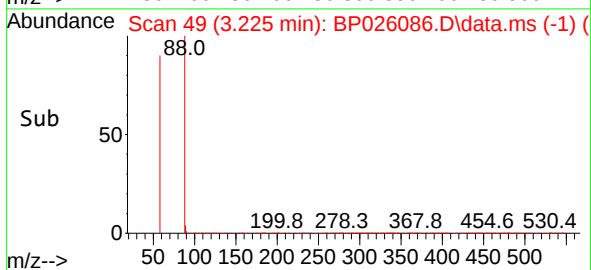
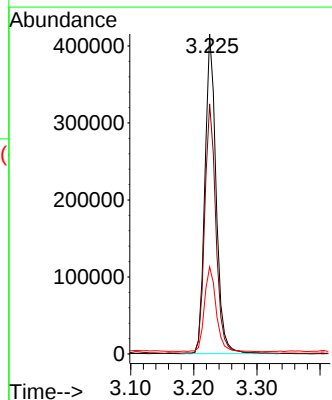
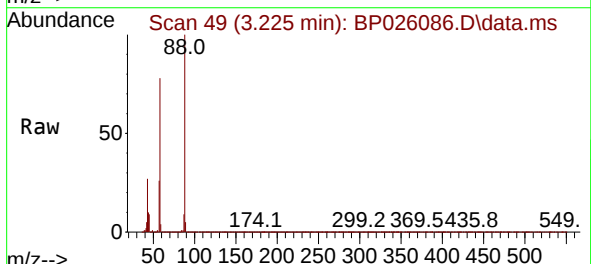
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BNA_P
ClientSampleId :
MW-4

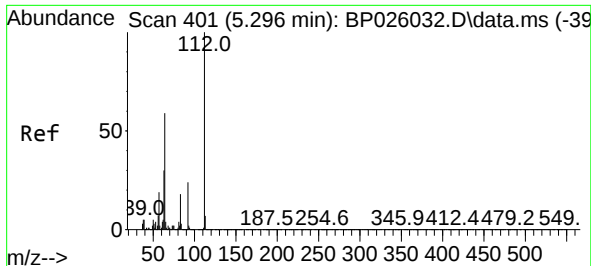
Tgt Ion:152 Resp: 263143
Ion Ratio Lower Upper
152 100
150 153.3 125.7 188.5
115 58.1 46.4 69.6



#2
1,4-Dioxane
Concen: 75.765 ng
RT: 3.225 min Scan# 49
Delta R.T. -0.012 min
Lab File: BP026086.D
Acq: 06 Nov 2025 21:11

Tgt Ion: 88 Resp: 509351
Ion Ratio Lower Upper
88 100
58 78.6 65.4 98.0
43 28.1 23.1 34.7

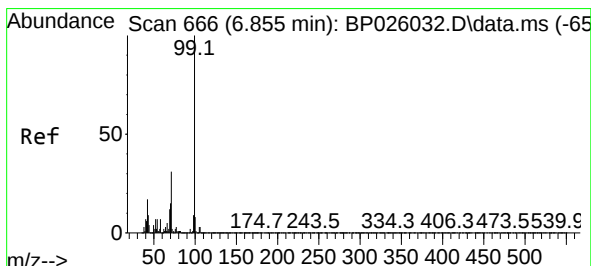
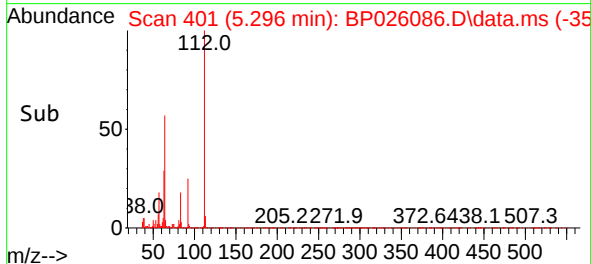
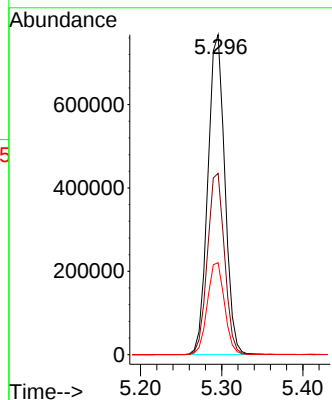
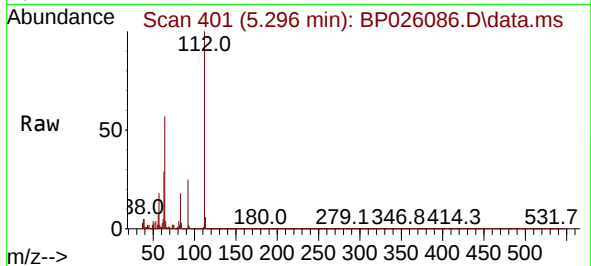




#5
2-Fluorophenol
Concen: 69.745 ng
RT: 5.296 min Scan# 401
Delta R.T. -0.000 min
Lab File: BP026086.D
Acq: 06 Nov 2025 21:11

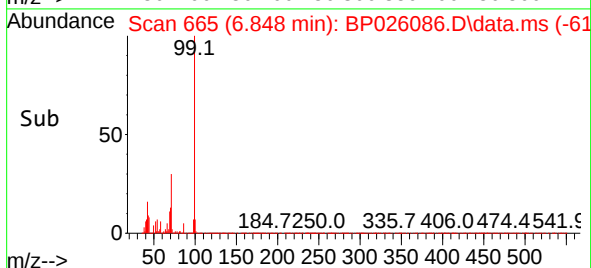
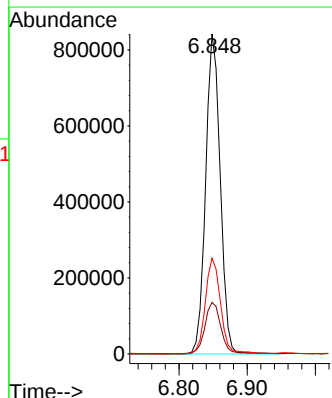
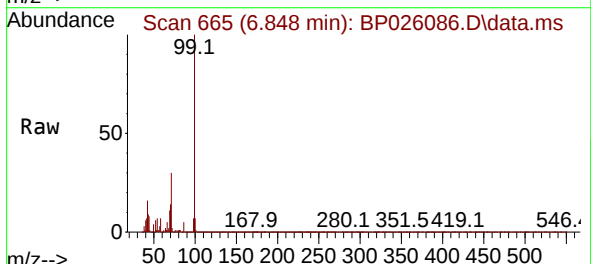
Instrument :
BNA_P
ClientSampleId :
MW-4

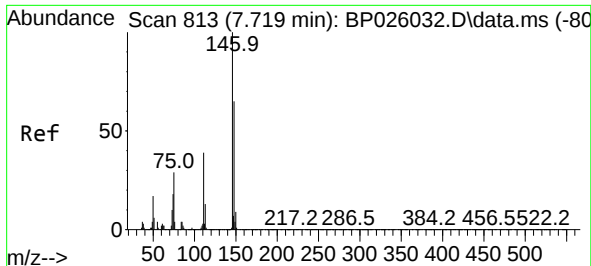
Tgt Ion:112 Resp: 1112229
Ion Ratio Lower Upper
112 100
64 56.6 47.4 71.2
63 28.7 24.2 36.4



#7
Phenol-d6
Concen: 61.609 ng
RT: 6.848 min Scan# 665
Delta R.T. -0.006 min
Lab File: BP026086.D
Acq: 06 Nov 2025 21:11

Tgt Ion: 99 Resp: 1250505
Ion Ratio Lower Upper
99 100
42 16.1 13.7 20.5
71 29.9 24.4 36.6

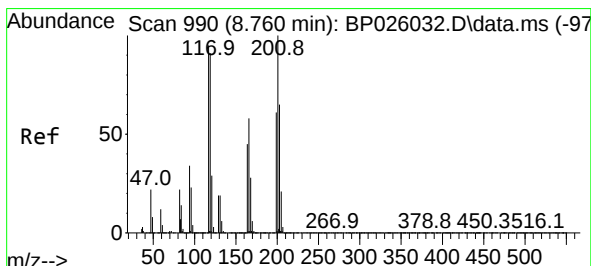
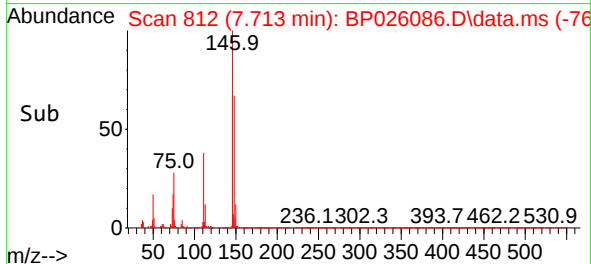
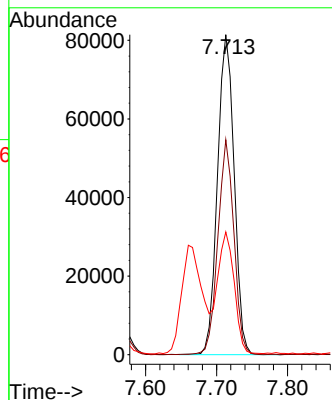
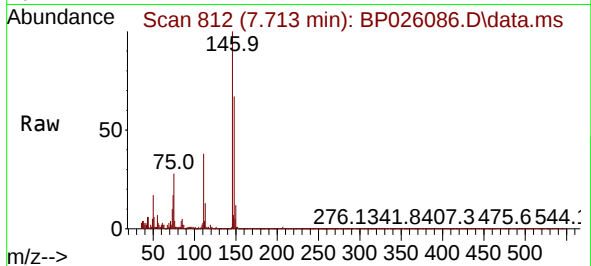




#13
1,4-Dichlorobenzene
Concen: 6.440 ng
RT: 7.713 min Scan# 813
Delta R.T. -0.012 min
Lab File: BP026086.D
Acq: 06 Nov 2025 21:11

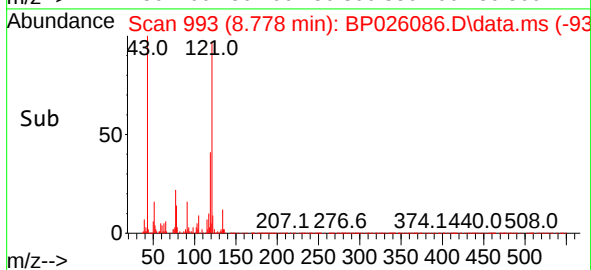
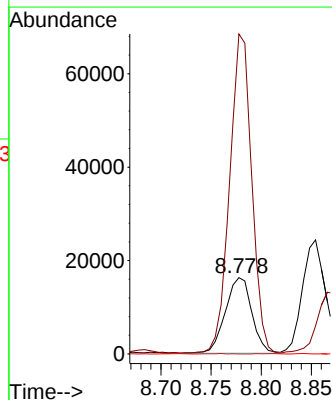
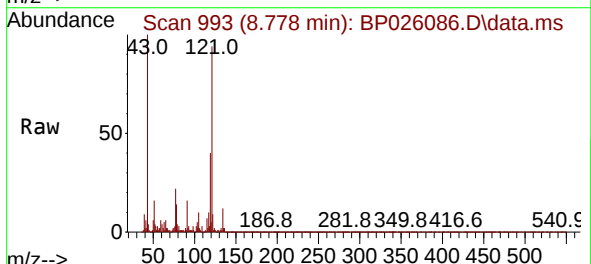
Instrument :
BNA_P
ClientSampleId :
MW-4

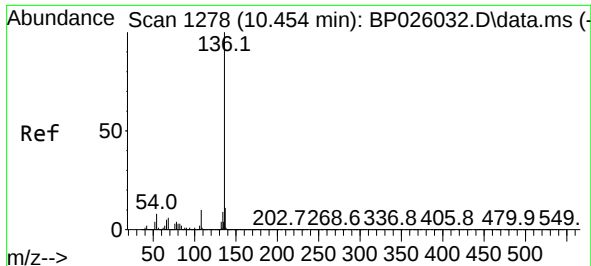
Tgt Ion:146 Resp: 132039
Ion Ratio Lower Upper
146 100
148 67.2 52.2 78.2
111 38.3 31.3 46.9



#18
Hexachloroethane
Concen: 4.213 ng
RT: 8.778 min Scan# 993
Delta R.T. 0.018 min
Lab File: BP026086.D
Acq: 06 Nov 2025 21:11

Tgt Ion:117 Resp: 29557
Ion Ratio Lower Upper
117 100
119 419.4 76.5 114.7#
201 0.0 84.2 126.4#



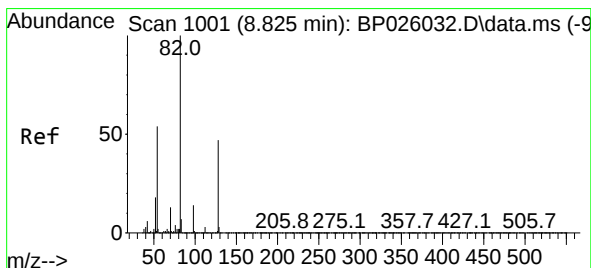
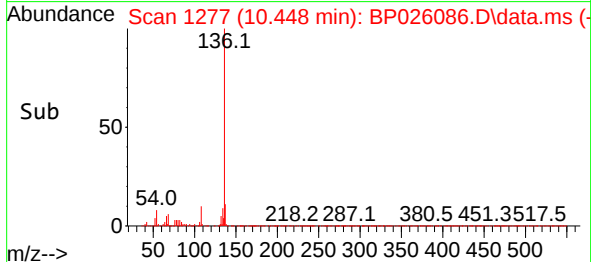
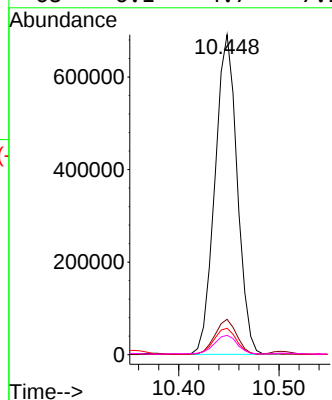
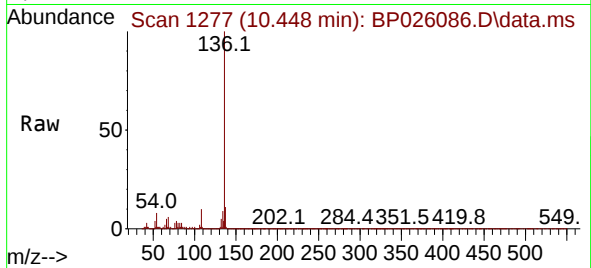


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.448 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP026086.D
Acq: 06 Nov 2025 21:11

Instrument :
BNA_P
ClientSampleId :
MW-4

Tgt Ion:136 Resp: 1061171

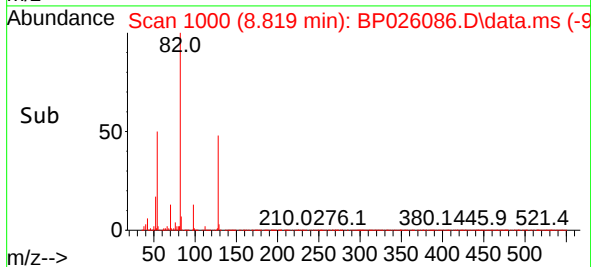
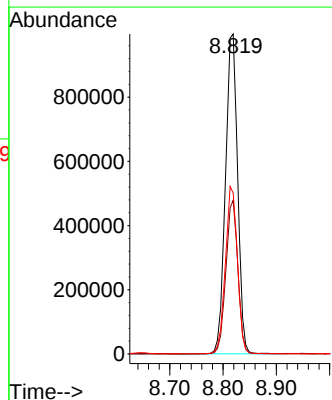
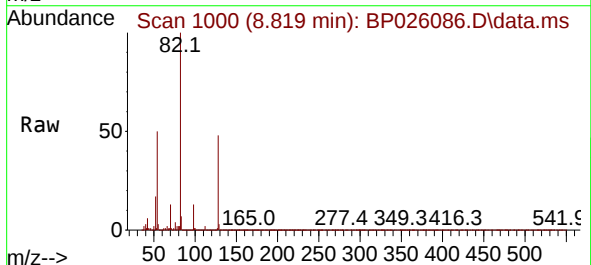
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	8.2	6.6	10.0
68	6.1	4.7	7.1

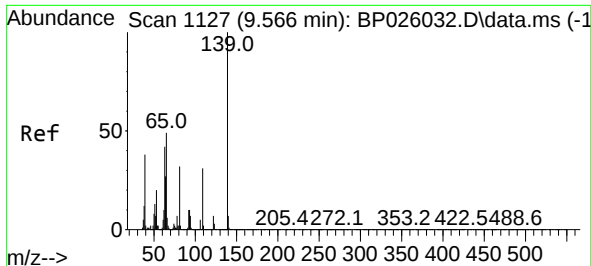


#23
Nitrobenzene-d5
Concen: 92.918 ng
RT: 8.819 min Scan# 1000
Delta R.T. -0.006 min
Lab File: BP026086.D
Acq: 06 Nov 2025 21:11

Tgt Ion: 82 Resp: 1581683

Ion	Ratio	Lower	Upper
82	100		
128	48.0	37.4	56.0
54	50.3	42.7	64.1

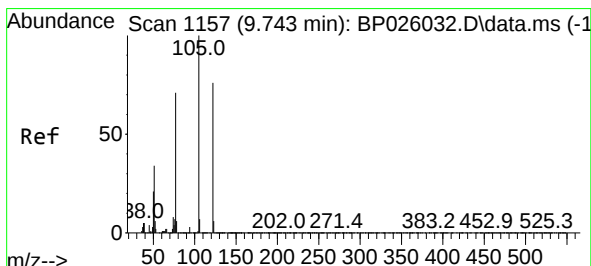
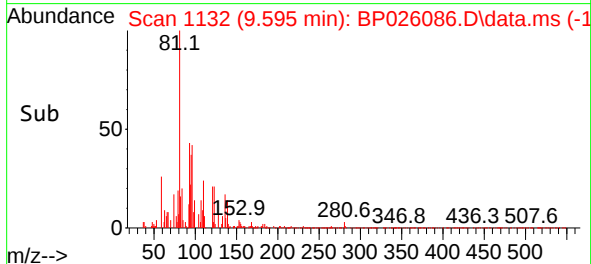
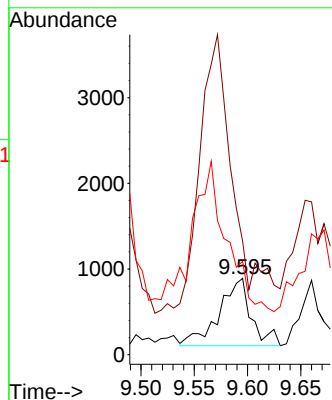
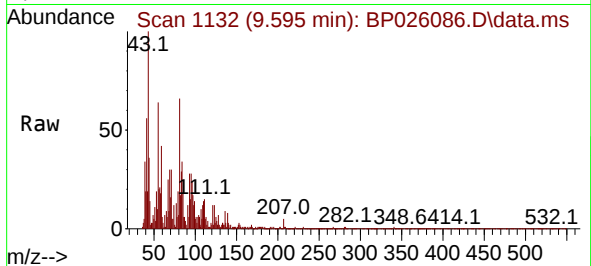




#26
2-Nitrophenol
Concen: 2.912 ng
RT: 9.595 min Scan# 1132
Delta R.T. 0.029 min
Lab File: BP026086.D
Acq: 06 Nov 2025 21:11

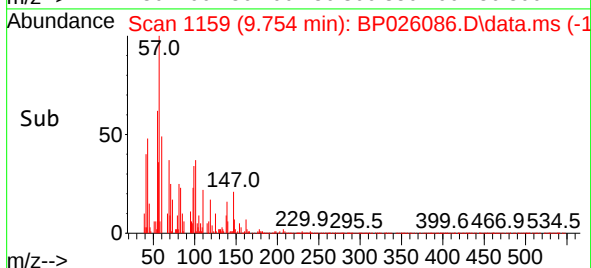
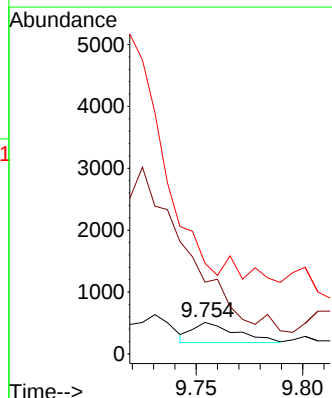
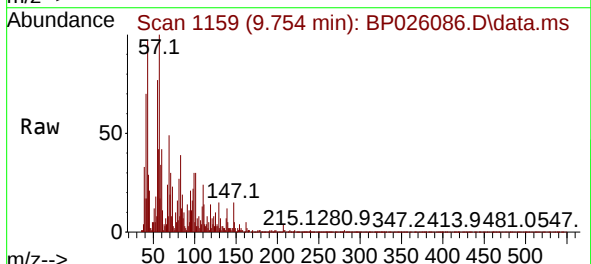
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BNA_P
ClientSampleId :
MW-4

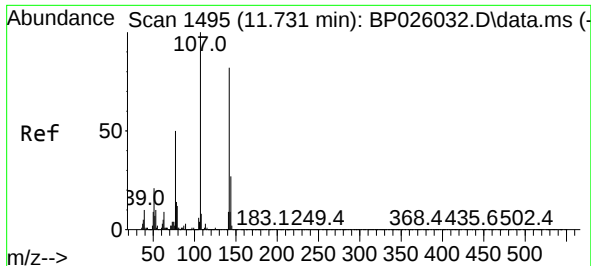
Tgt Ion:139 Resp: 1648
Ion Ratio Lower Upper
139 100
109 149.0 24.8 37.2#
65 122.2 39.0 58.4#



#32
Benzoic acid
Concen: 3.181 ng
RT: 9.754 min Scan# 1159
Delta R.T. -0.024 min
Lab File: BP026086.D
Acq: 06 Nov 2025 21:11

Tgt Ion:122 Resp: 464
Ion Ratio Lower Upper
122 100
105 227.5 104.8 144.8#
77 287.6 70.9 110.9#

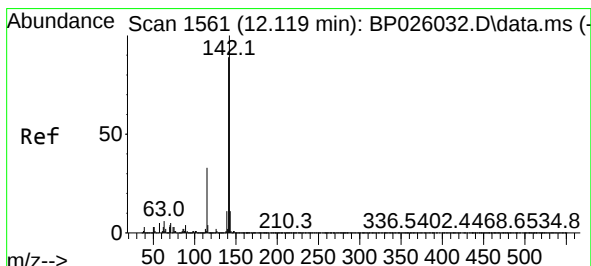
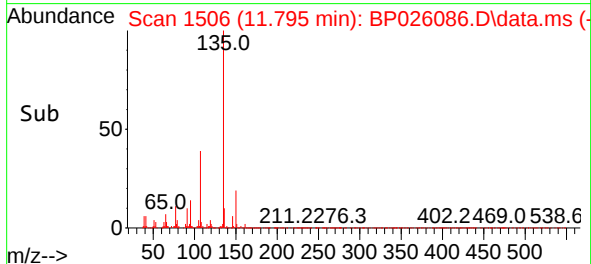
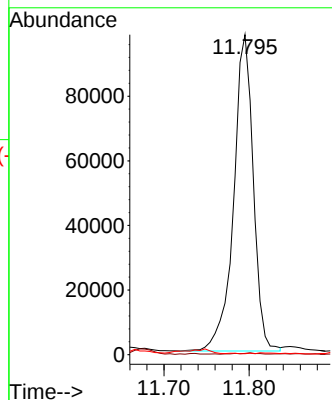
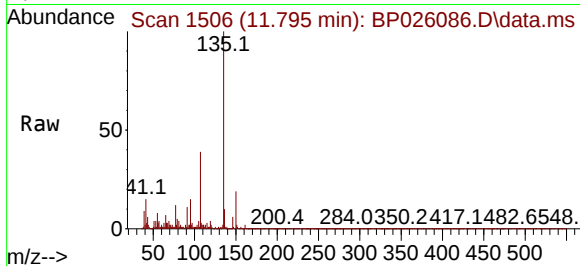




#36
4-Chloro-3-methylphenol
Concen: 9.254 ng
RT: 11.795 min Scan# 1506
Delta R.T. 0.065 min
Lab File: BP026086.D
Acq: 06 Nov 2025 21:11

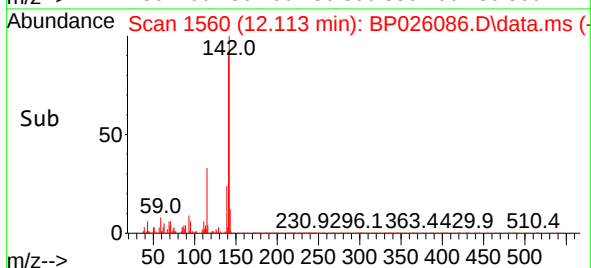
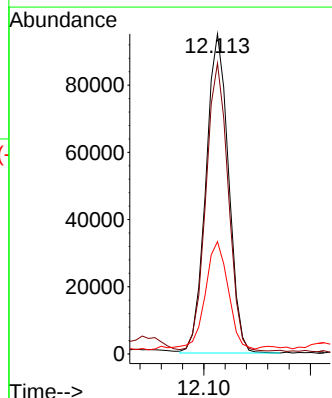
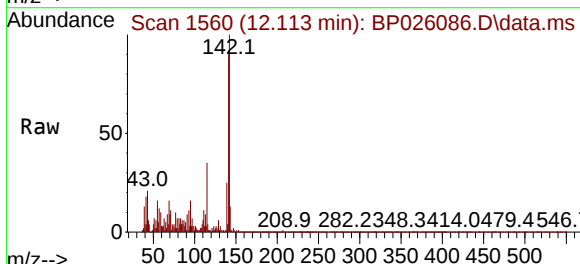
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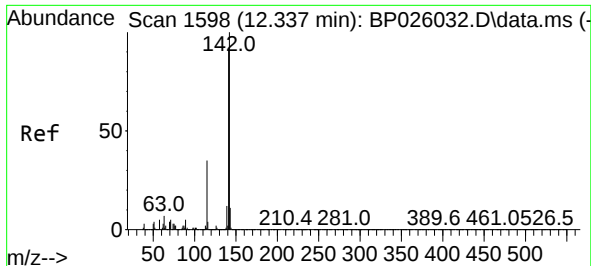
Tgt Ion:107 Resp: 156939
Ion Ratio Lower Upper
107 100
144 0.4 21.3 31.9#
142 0.3 65.2 97.8#



#37
2-Methylnaphthalene
Concen: 3.461 ng
RT: 12.113 min Scan# 1560
Delta R.T. -0.000 min
Lab File: BP026086.D
Acq: 06 Nov 2025 21:11

Tgt Ion:142 Resp: 140160
Ion Ratio Lower Upper
142 100
141 90.8 71.6 107.4
115 35.1 26.6 39.8

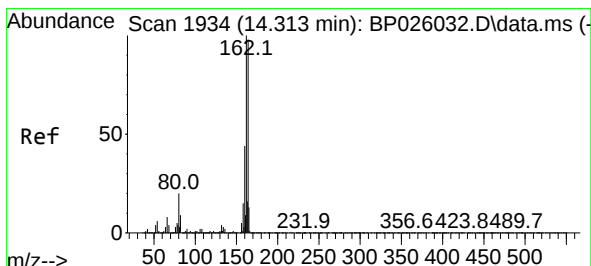
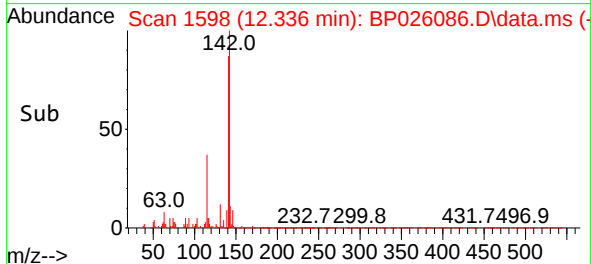
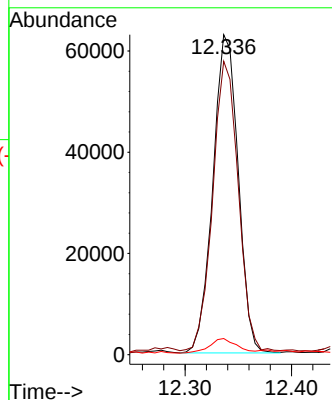
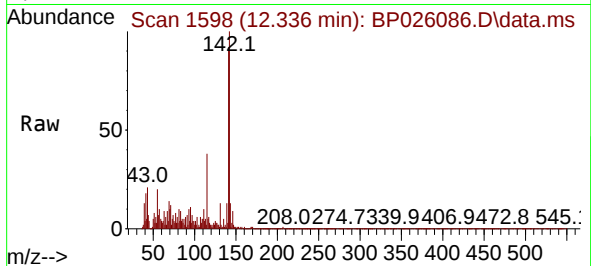




#38
1-Methylnaphthalene
Concen: 2.638 ng
RT: 12.336 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BP026086.D
Acq: 06 Nov 2025 21:11

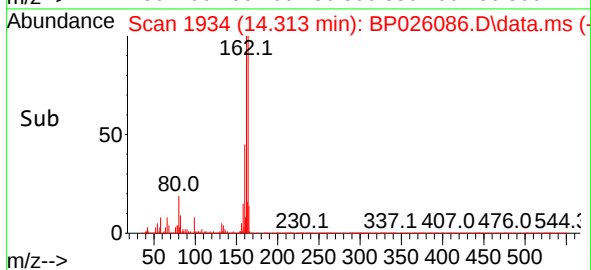
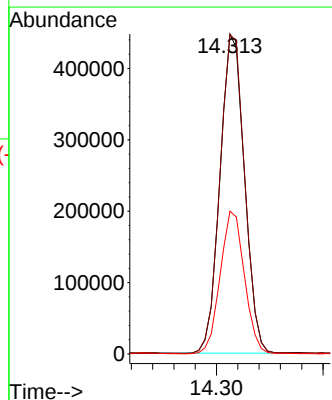
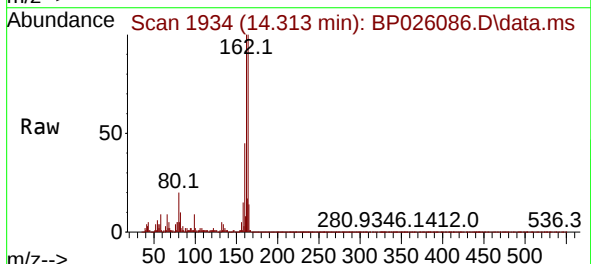
Instrument :
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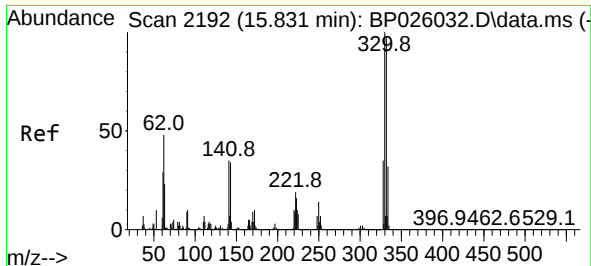
Tgt Ion:142 Resp: 103818
Ion Ratio Lower Upper
142 100
141 91.7 72.7 109.1
116 5.1 2.9 4.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.313 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BP026086.D
Acq: 06 Nov 2025 21:11

Tgt Ion:164 Resp: 711488
Ion Ratio Lower Upper
164 100
162 99.9 81.5 122.3
160 44.6 36.2 54.4

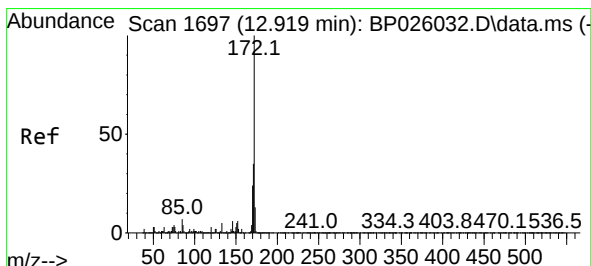
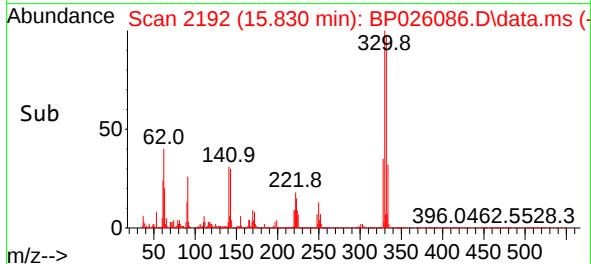
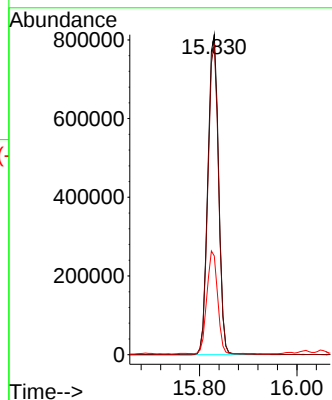
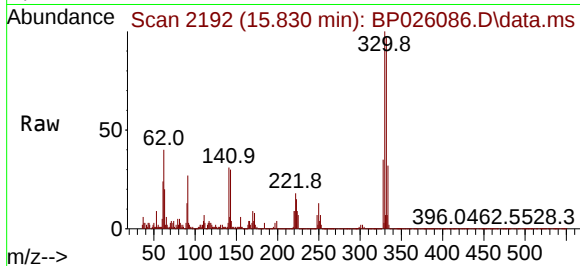




#42
2,4,6-Tribromophenol
Concen: 161.180 ng
RT: 15.830 min Scan# 2192
Delta R.T. -0.000 min
Lab File: BP026086.D
Acq: 06 Nov 2025 21:11

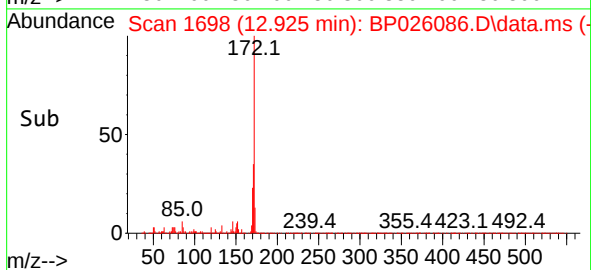
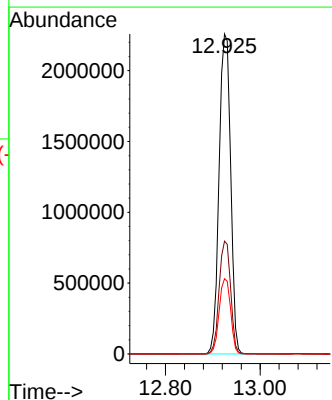
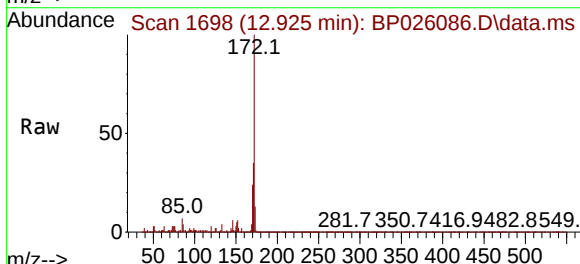
Instrument :
BNA_P
ClientSampleId :
MW-4

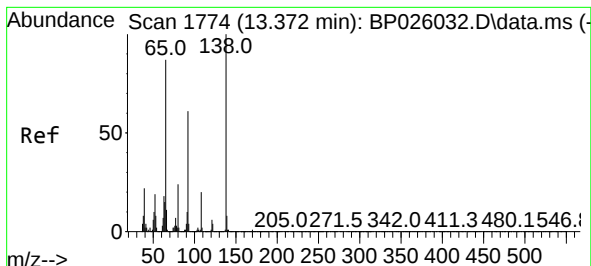
Tgt Ion:330 Resp: 1239774
Ion Ratio Lower Upper
330 100
332 96.2 77.3 115.9
141 32.0 28.6 42.8



#45
2-Fluorobiphenyl
Concen: 77.075 ng
RT: 12.925 min Scan# 1698
Delta R.T. -0.006 min
Lab File: BP026086.D
Acq: 06 Nov 2025 21:11

Tgt Ion:172 Resp: 3816364
Ion Ratio Lower Upper
172 100
171 35.3 27.9 41.9
170 23.5 19.0 28.4





#48

2-Nitroaniline

Concen: 3.184 ng

RT: 13.360 min Scan# 1

Delta R.T. -0.018 min

Lab File: BP026086.D

Acq: 06 Nov 2025 21:11

Instrument :

BNA_P

ClientSampleId :

MW-4

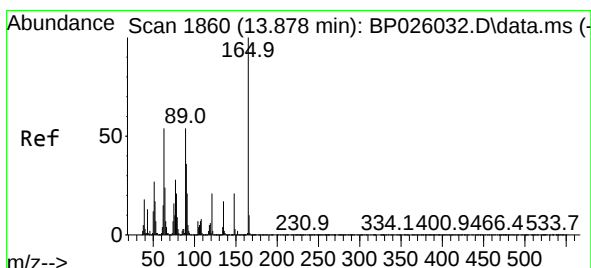
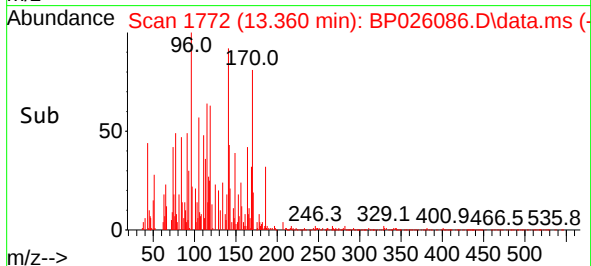
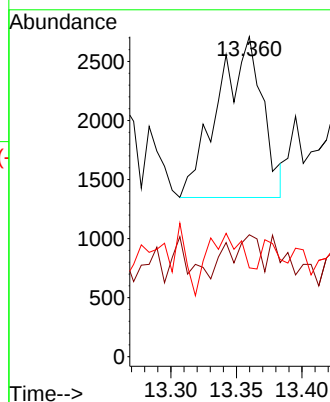
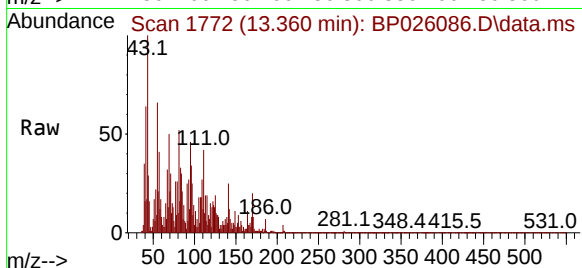
Tgt Ion: 65 Resp: 3218

Ion Ratio Lower Upper

65 100

92 38.1 55.5 83.3#

138 27.7 91.7 137.5#



#51

2,6-Dinitrotoluene

Concen: 3.549 ng

RT: 13.872 min Scan# 1859

Delta R.T. -0.006 min

Lab File: BP026086.D

Acq: 06 Nov 2025 21:11

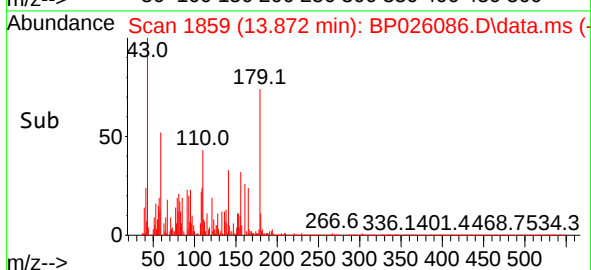
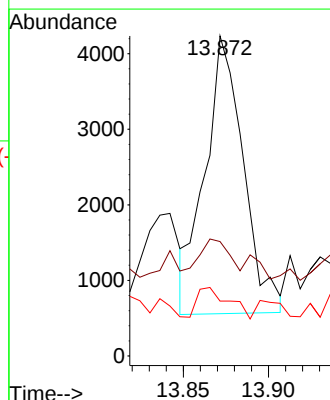
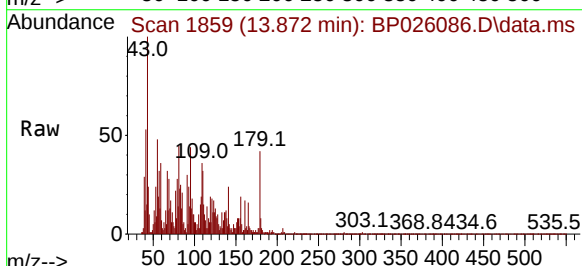
Tgt Ion:165 Resp: 5756

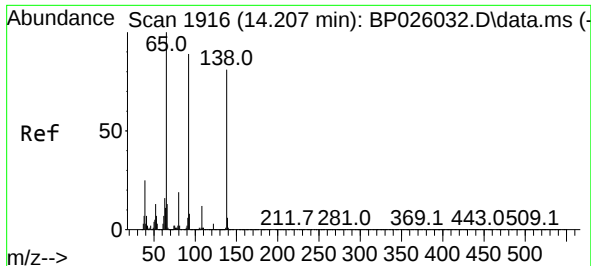
Ion Ratio Lower Upper

165 100

63 35.8 43.0 64.4#

89 17.1 43.0 64.4#

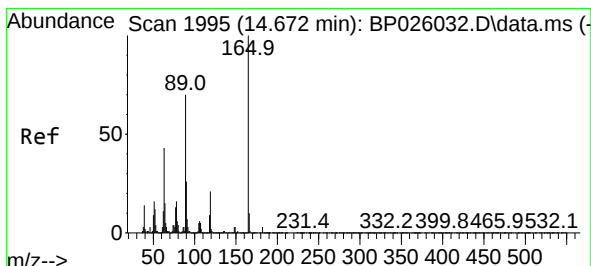
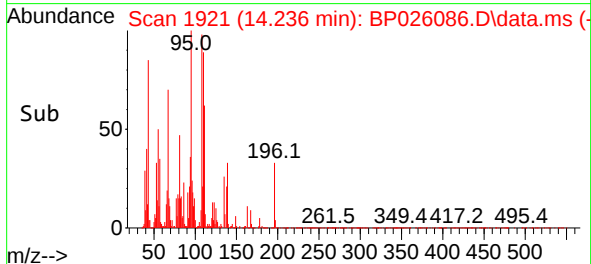
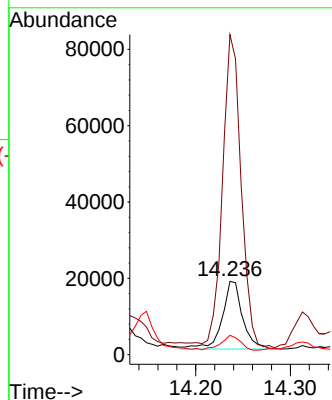
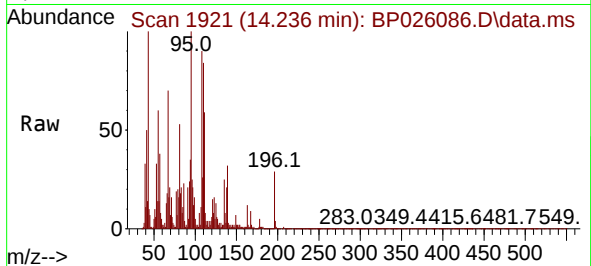




#53
3-Nitroaniline
Concen: 4.809 ng
RT: 14.236 min Scan# 1921
Delta R.T. 0.029 min
Lab File: BP026086.D
Acq: 06 Nov 2025 21:11

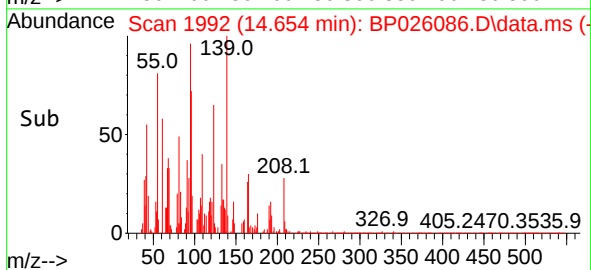
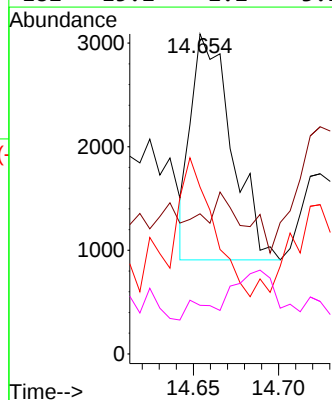
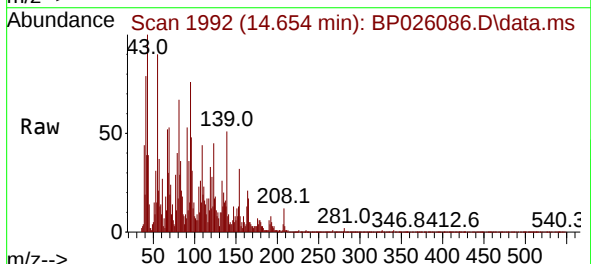
Instrument :
BNA_P
ClientSampleId :
MW-4

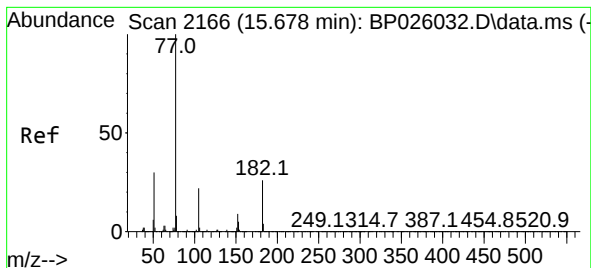
Tgt Ion:138 Resp: 26795
Ion Ratio Lower Upper
138 100
108 436.2 11.4 17.0#
92 26.5 87.1 130.7#



#57
2,4-Dinitrotoluene
Concen: 3.324 ng
RT: 14.654 min Scan# 1992
Delta R.T. -0.024 min
Lab File: BP026086.D
Acq: 06 Nov 2025 21:11

Tgt Ion:165 Resp: 3597
Ion Ratio Lower Upper
165 100
63 43.8 34.2 51.2
89 52.1 56.0 84.0#
182 15.2 2.2 3.2#





#63

Azobenzene

Concen: 4.394 ng

RT: 15.701 min Scan# 2166

Delta R.T. 0.012 min

Lab File: BP026086.D

Acq: 06 Nov 2025 21:11

Instrument :

BNA_P

ClientSampleId :

MW-4

Tgt Ion: 77 Resp: 207211

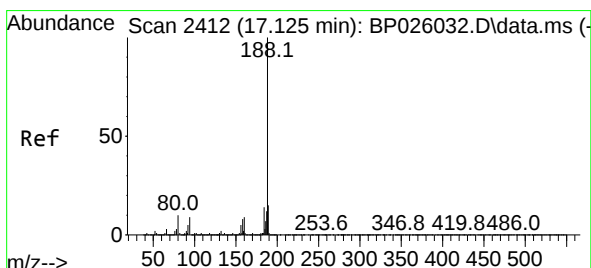
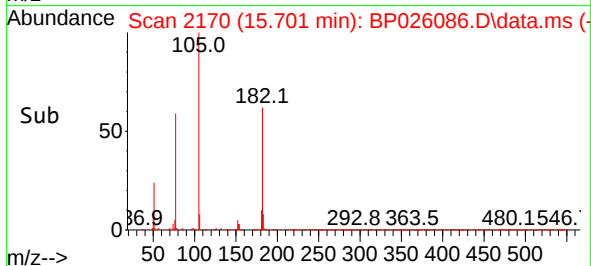
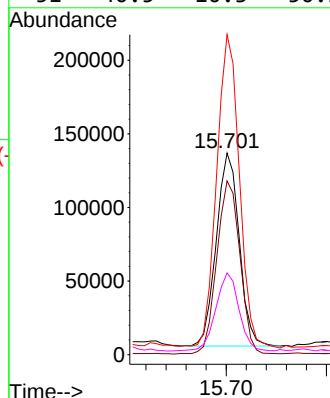
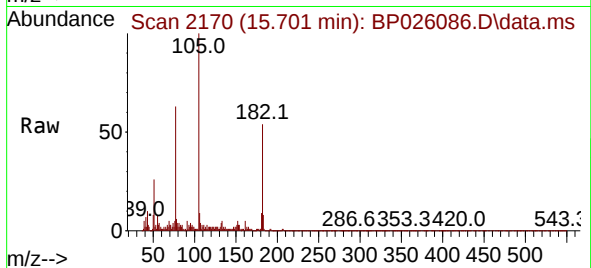
Ion Ratio Lower Upper

77 100

182 86.2 6.4 46.4#

105 158.7 2.2 42.2#

51 40.5 10.3 50.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.118 min Scan# 2411

Delta R.T. -0.006 min

Lab File: BP026086.D

Acq: 06 Nov 2025 21:11

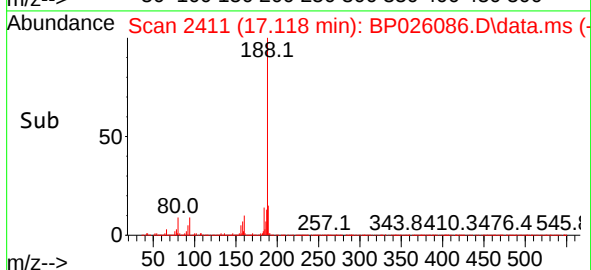
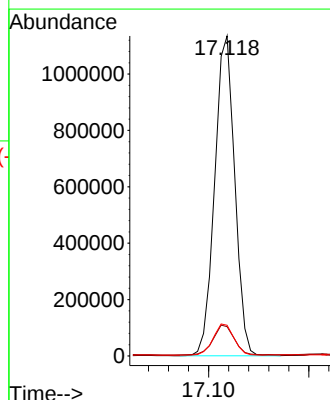
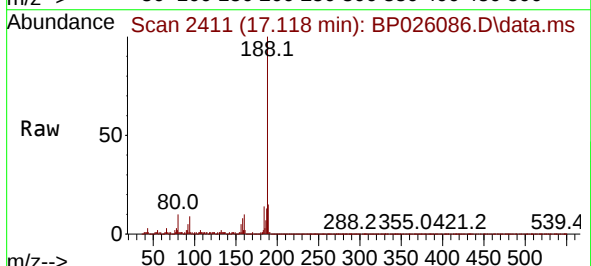
Tgt Ion:188 Resp: 1575922

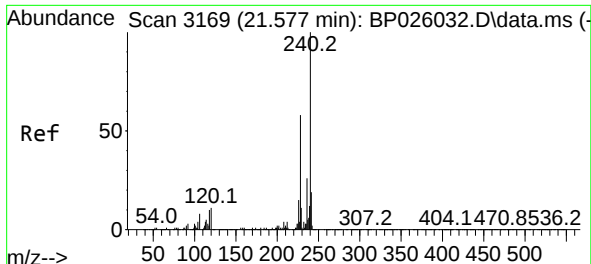
Ion Ratio Lower Upper

188 100

94 9.2 7.1 10.7

80 9.6 7.9 11.9

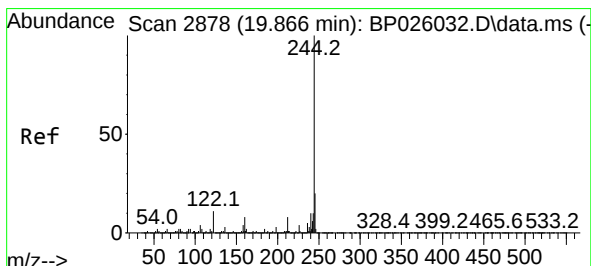
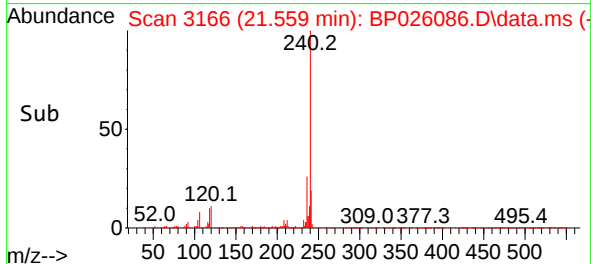
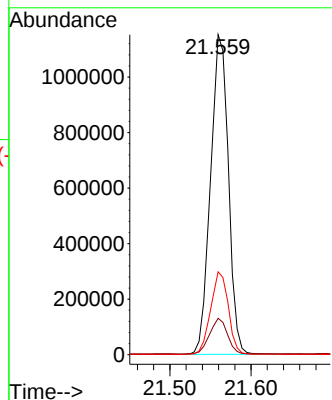
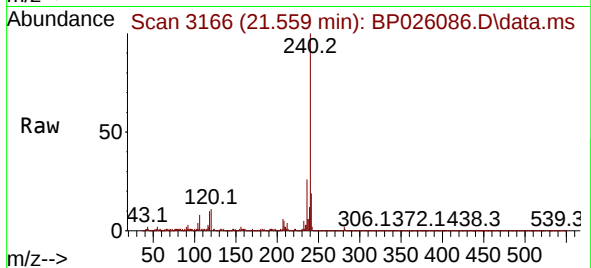




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.559 min Scan# 3166
Delta R.T. -0.006 min
Lab File: BP026086.D
Acq: 06 Nov 2025 21:11

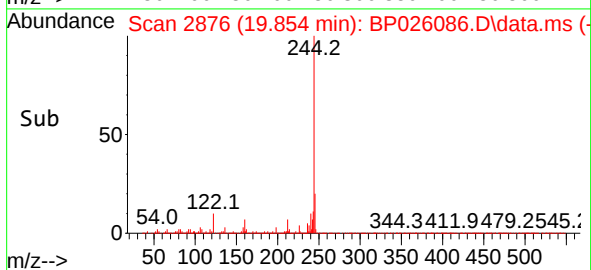
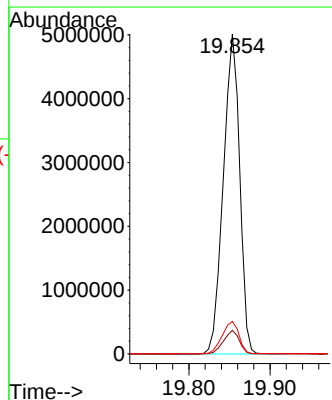
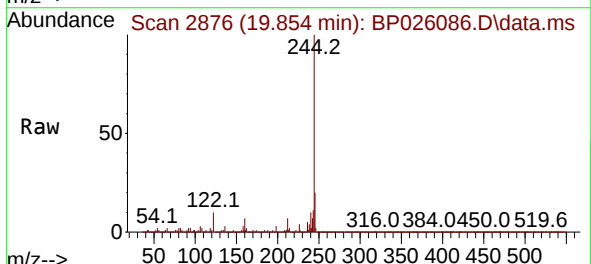
Instrument :
BNA_P
ClientSampleId :
MW-4

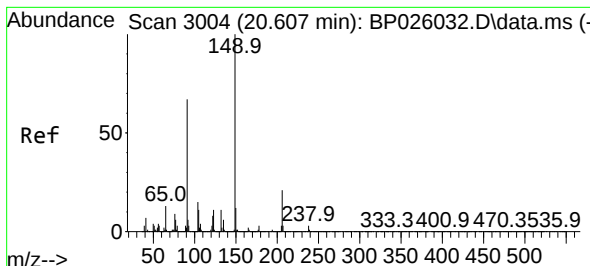
Tgt Ion:240 Resp: 1759255
Ion Ratio Lower Upper
240 100
120 11.3 8.9 13.3
236 25.9 20.6 31.0



#79
Terphenyl-d14
Concen: 81.125 ng
RT: 19.854 min Scan# 2876
Delta R.T. -0.012 min
Lab File: BP026086.D
Acq: 06 Nov 2025 21:11

Tgt Ion:244 Resp: 7024653
Ion Ratio Lower Upper
244 100
212 7.4 6.0 9.0
122 10.1 9.0 13.6





#80

Butylbenzylphthalate

Concen: 3.442 ng

RT: 20.589 min Scan# 3004

Delta R.T. -0.018 min

Lab File: BP026086.D

Acq: 06 Nov 2025 21:11

Instrument :

BNA_P

ClientSampleId :

MW-4

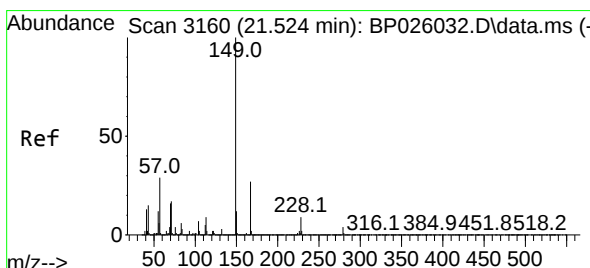
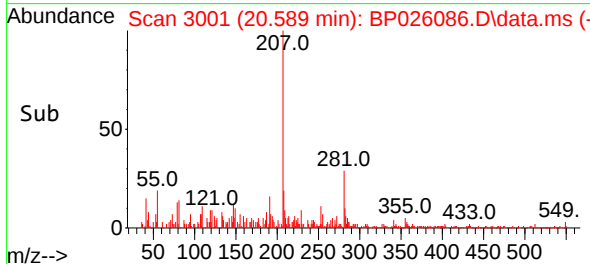
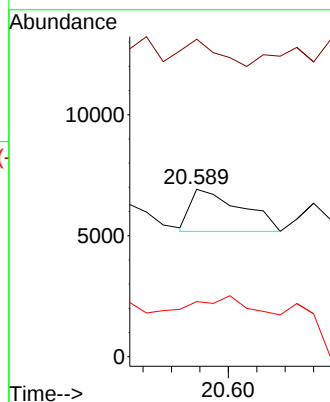
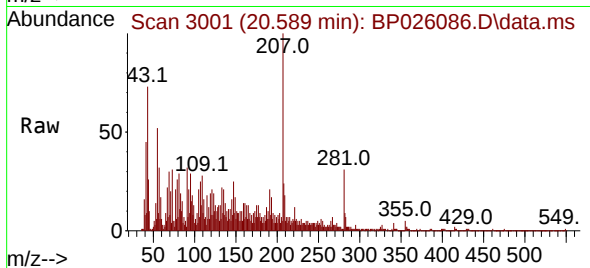
Tgt Ion:149 Resp: 2157

Ion Ratio Lower Upper

149 100

91 189.7 53.5 80.3#

206 32.9 16.6 25.0#



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.989 ng

RT: 21.512 min Scan# 3158

Delta R.T. -0.006 min

Lab File: BP026086.D

Acq: 06 Nov 2025 21:11

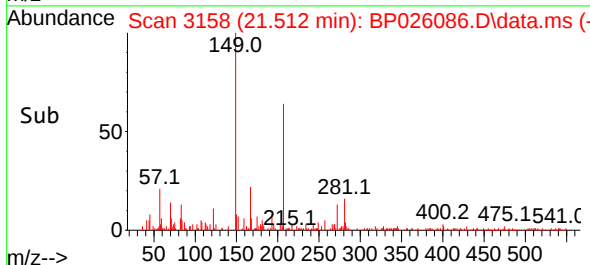
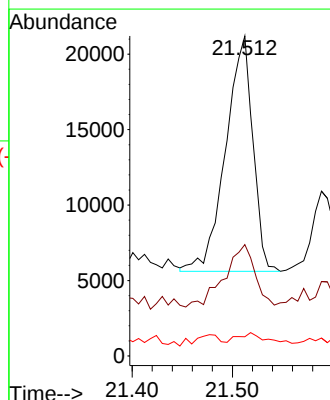
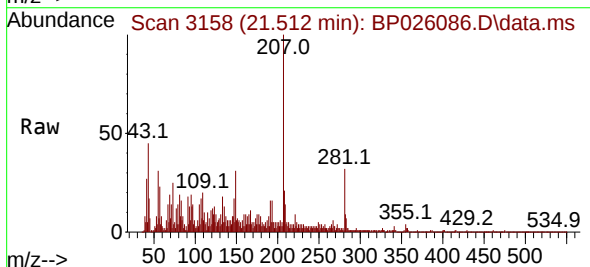
Tgt Ion:149 Resp: 29404

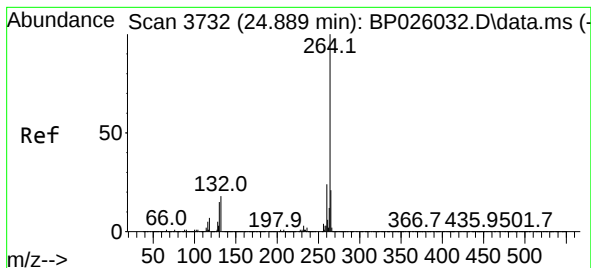
Ion Ratio Lower Upper

149 100

167 34.8 21.5 32.3#

279 6.0 3.0 4.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.889 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP026086.D

Acq: 06 Nov 2025 21:11

Instrument :

BNA_P

ClientSampleId :

MW-4

Tgt Ion:264 Resp: 2005536

Ion Ratio Lower Upper

264 100

260 23.5 19.1 28.7

265 21.4 17.2 25.8

