

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120125\
 Data File : BP026204.D
 Acq On : 01 Dec 2025 20:02
 Operator : RC/JU
 Sample : Q3716-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MW5

Quant Time: Dec 02 00:30:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 19 01:25:31 2025
 Response via : Initial Calibration

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

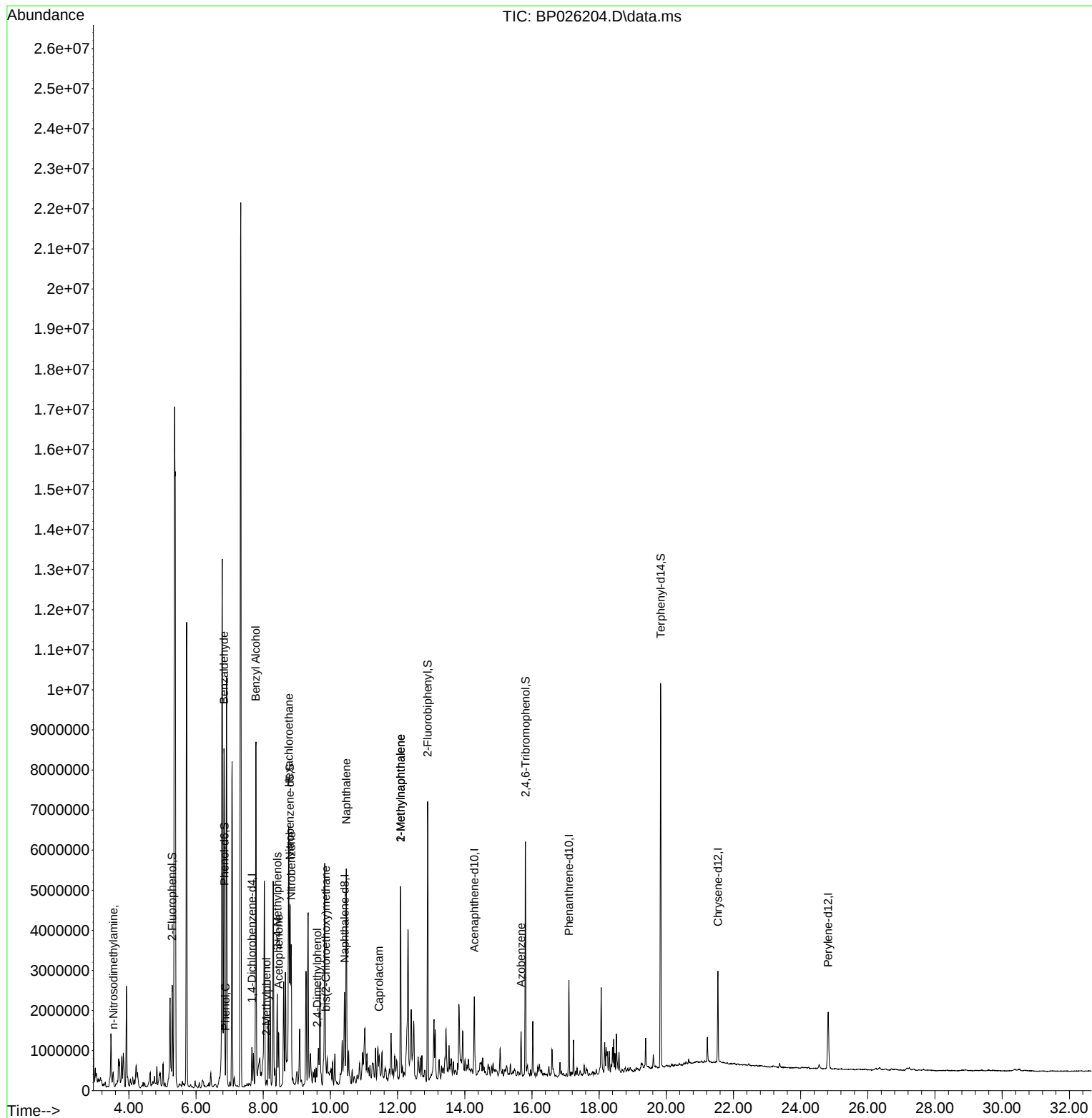
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.661	152	246581	20.000	ng	-0.01
21) Naphthalene-d8	10.425	136	985477	20.000	ng	-0.02
39) Acenaphthene-d10	14.284	164	647616	20.000	ng	-0.04
64) Phenanthrene-d10	17.101	188	1258602	20.000	ng	-0.03
76) Chrysene-d12	21.536	240	1291488	20.000	ng	-0.04
86) Perylene-d12	24.819	264	1438482	20.000	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.290	112	1010843	65.799	ng	0.00
7) Phenol-d6	6.849	99	890792	45.547	ng	0.00
23) Nitrobenzene-d5	8.796	82	1569424	90.461	ng	-0.02
42) 2,4,6-Tribromophenol	15.807	330	1207287	143.705	ng	-0.03
45) 2-Fluorobiphenyl	12.896	172	4036679	91.352	ng	-0.04
79) Terphenyl-d14	19.831	244	5708918	90.135	ng	-0.04
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.537	42	28481	4.232	ng	# 1
9) Benzaldehyde	6.831	77	549675	53.632	ng	# 1
10) Phenol	6.872	94	87346	4.146	ng	92
15) Benzyl Alcohol	7.778	79	432124	30.159	ng	# 4
17) 2-Methylphenol	8.096	107	37760	2.633	ng	97
18) Hexachloroethane	8.761	117	606211	87.766	ng	# 1
20) 3+4-Methylphenols	8.419	107	1053703	53.019	ng	90
22) Acetophenone	8.461	105	897872	35.845	ng	# 61
24) Nitrobenzene	8.831	77	85771	4.887	ng	# 1
27) 2,4-Dimethylphenol	9.608	122	99010	6.183	ng	98
28) bis(2-Chloroethoxy)met...	9.860	93	71593	3.324	ng	# 89
31) Naphthalene	10.472	128	3355646	63.005	ng	99
35) Caprolactam	11.449	113	116427	20.316	ng	# 86
37) 2-Methylnaphthalene	12.090	142	2116408	56.052	ng	100
38) 1-Methylnaphthalene	12.090	142	2116408	57.347	ng	97
63) Azobenzene	15.678	77	323336	7.870	ng	# 1

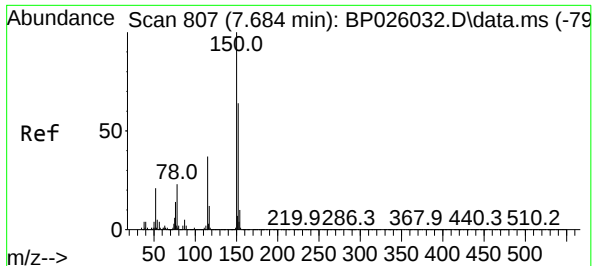
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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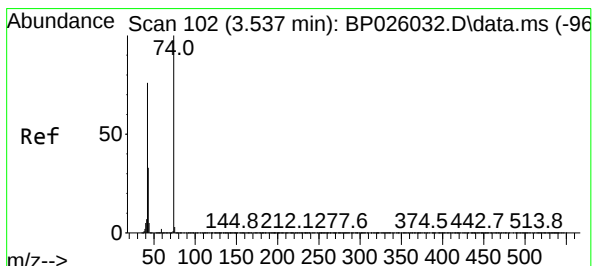
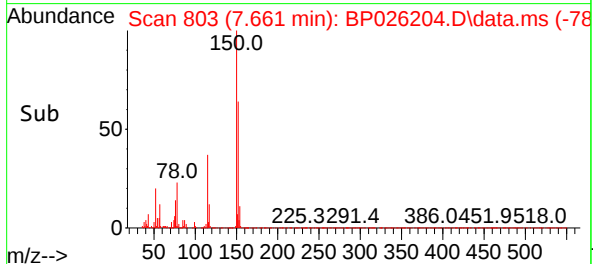
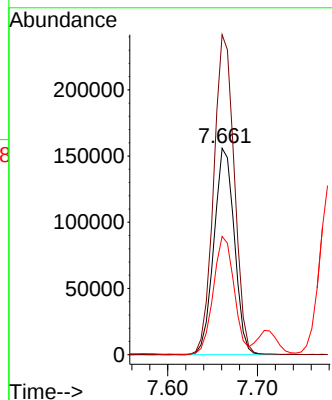
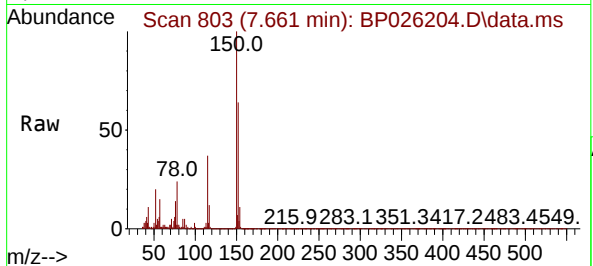




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.661 min Scan# 807
Delta R.T. -0.011 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02

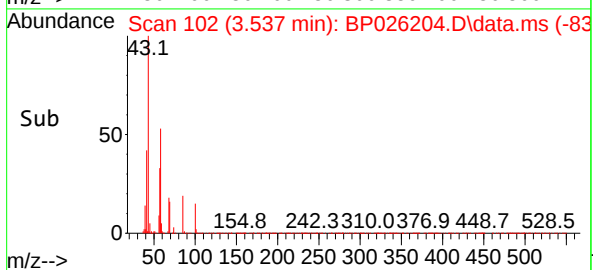
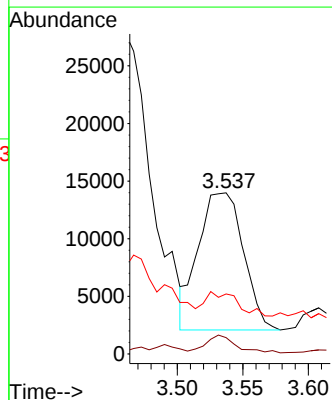
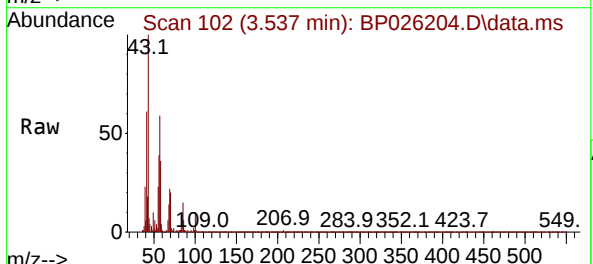
Instrument :
BNA_P
ClientSampleId :
MW5

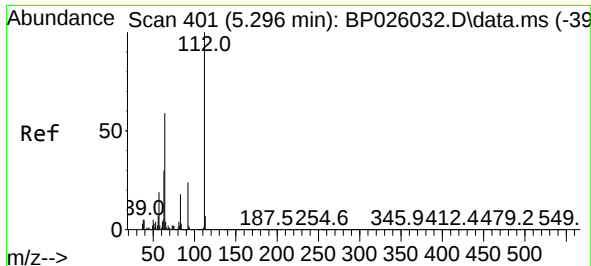
Tgt Ion:152 Resp: 246581
Ion Ratio Lower Upper
152 100
150 155.1 123.0 184.6
115 57.3 46.3 69.5



#4
n-Nitrosodimethylamine
Concen: 4.232 ng
RT: 3.537 min Scan# 102
Delta R.T. 0.012 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02

Tgt Ion: 42 Resp: 28481
Ion Ratio Lower Upper
42 100
74 10.1 118.1 177.1#
44 37.3 6.2 9.4#

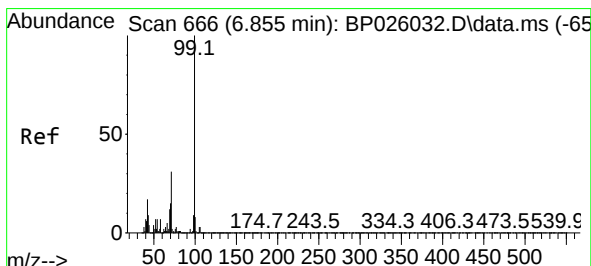
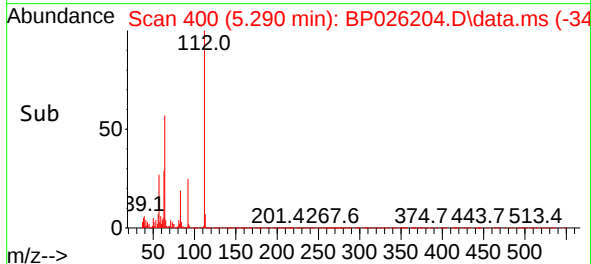
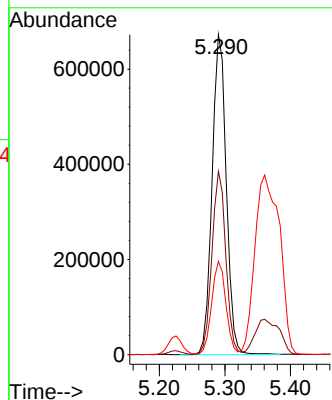
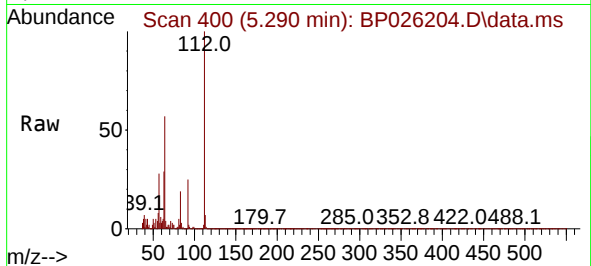




#5
2-Fluorophenol
Concen: 65.799 ng
RT: 5.290 min Scan# 401
Delta R.T. 0.000 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02

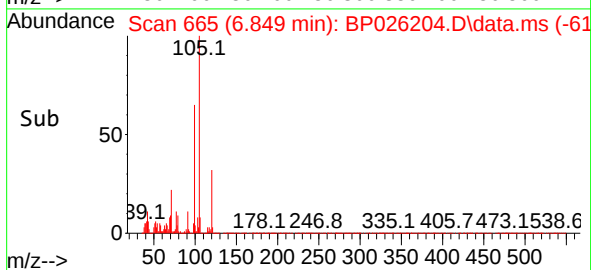
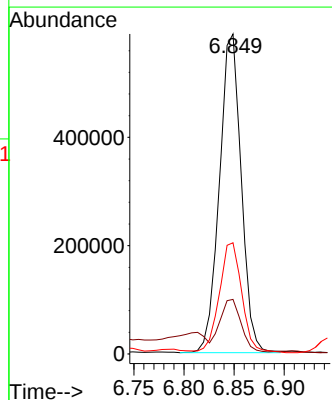
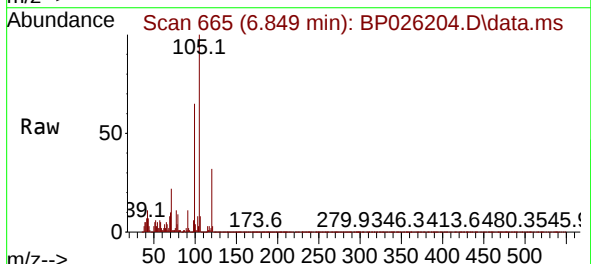
Instrument :
BNA_P
ClientSampleId :
MW5

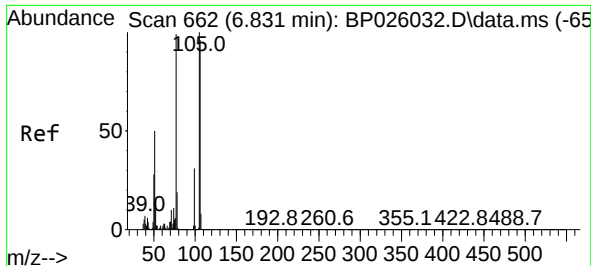
Tgt Ion:112 Resp: 1010843
Ion Ratio Lower Upper
112 100
64 57.3 45.8 68.6
63 29.2 23.5 35.3



#7
Phenol-d6
Concen: 45.547 ng
RT: 6.849 min Scan# 665
Delta R.T. -0.006 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02

Tgt Ion: 99 Resp: 890792
Ion Ratio Lower Upper
99 100
42 17.1 12.9 19.3
71 34.7 24.8 37.2

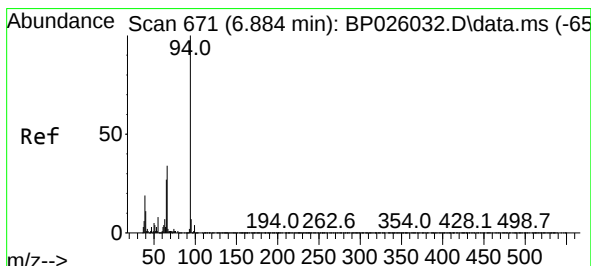
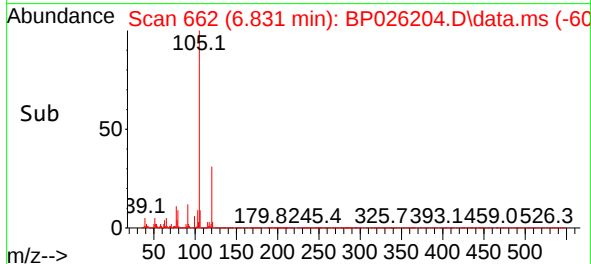
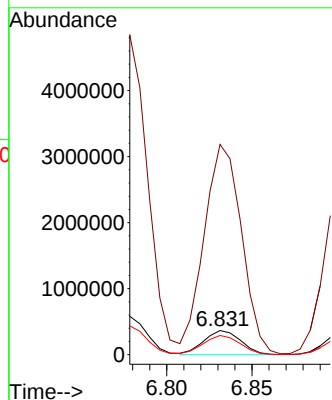
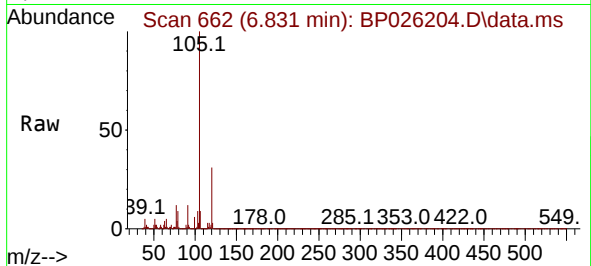




#9
Benzaldehyde
Concen: 53.632 ng
RT: 6.831 min Scan# 609
Delta R.T. 0.012 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02

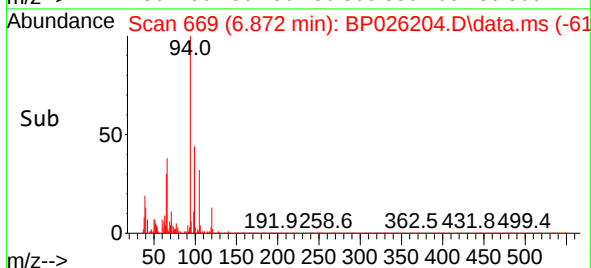
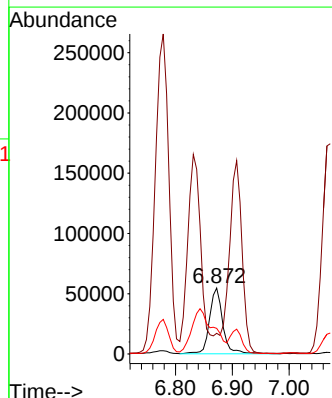
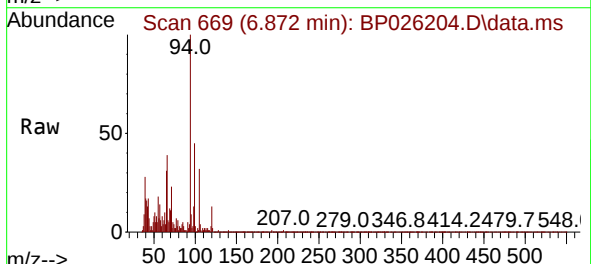
Instrument :
BNA_P
ClientSampleId :
MW5

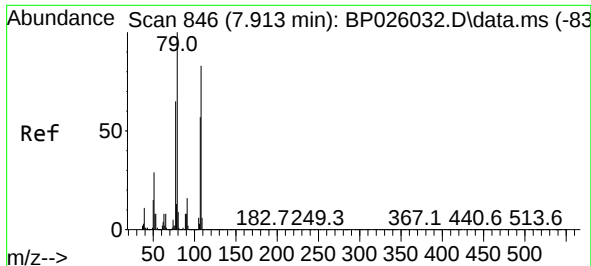
Tgt Ion: 77 Resp: 549675
Ion Ratio Lower Upper
77 100
105 868.7 82.9 122.9#
106 79.4 77.8 117.8



#10
Phenol
Concen: 4.146 ng
RT: 6.872 min Scan# 669
Delta R.T. -0.006 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02

Tgt Ion: 94 Resp: 87346
Ion Ratio Lower Upper
94 100
65 31.3 7.0 47.0
66 38.9 14.5 54.5

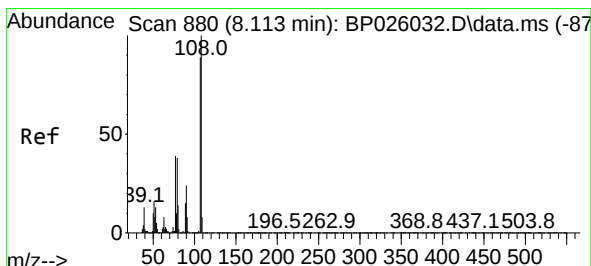
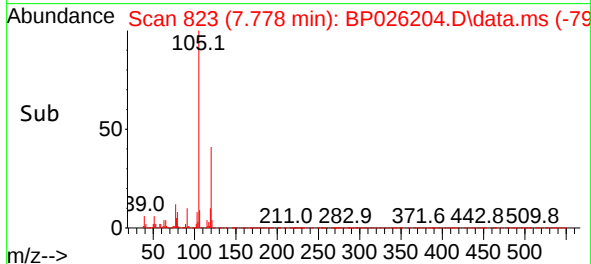
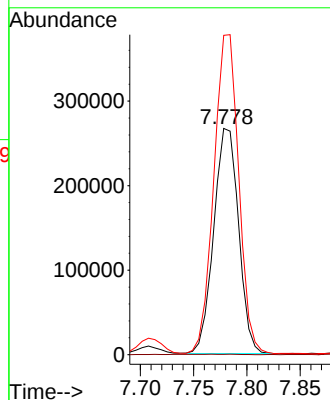
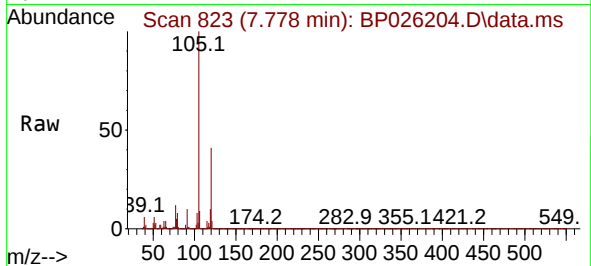




#15
Benzyl Alcohol
Concen: 30.159 ng
RT: 7.778 min Scan# 81
Delta R.T. -0.129 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02

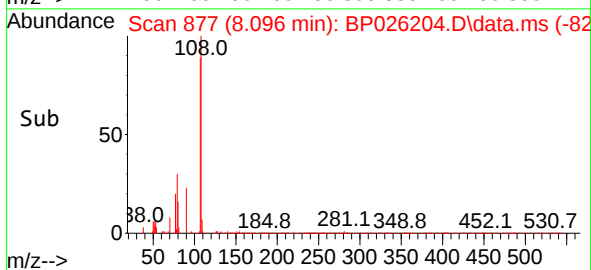
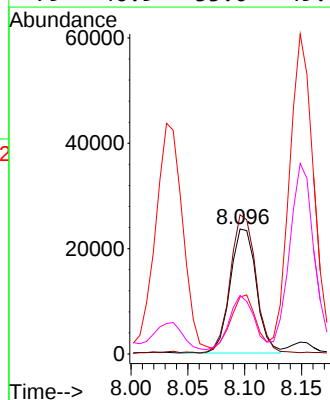
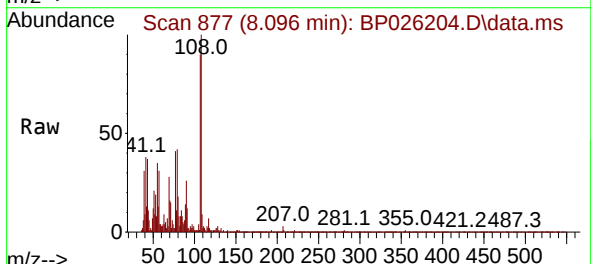
Instrument :
BNA_P
ClientSampleId :
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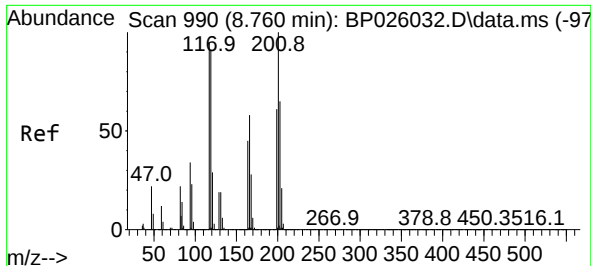
Tgt Ion: 79 Resp: 432124
Ion Ratio Lower Upper
79 100
108 0.2 66.2 99.4#
77 141.2 50.0 75.0#



#17
2-Methylphenol
Concen: 2.633 ng
RT: 8.096 min Scan# 877
Delta R.T. -0.017 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02

Tgt Ion: 107 Resp: 37760
Ion Ratio Lower Upper
107 100
108 111.4 89.7 134.5
77 45.6 33.9 50.9
79 46.9 33.0 49.4

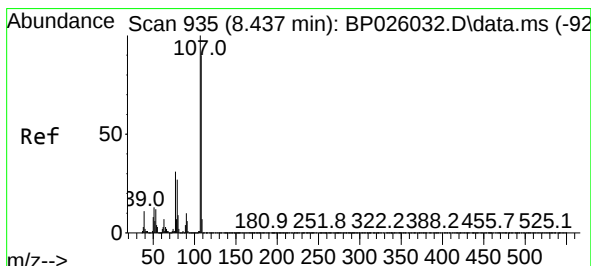
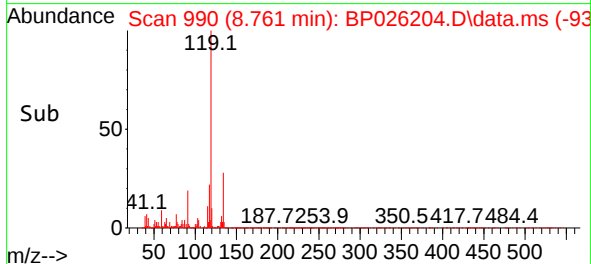
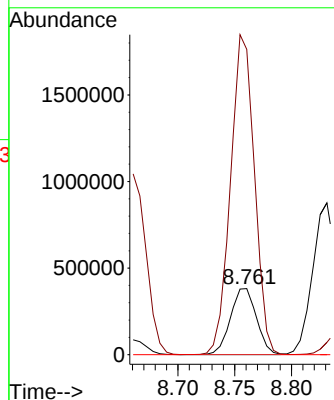
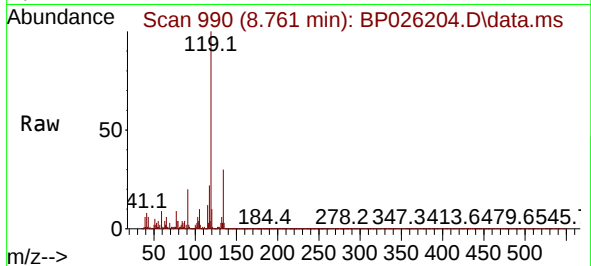




#18
Hexachloroethane
Concen: 87.766 ng
RT: 8.761 min Scan# 990
Delta R.T. 0.018 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02

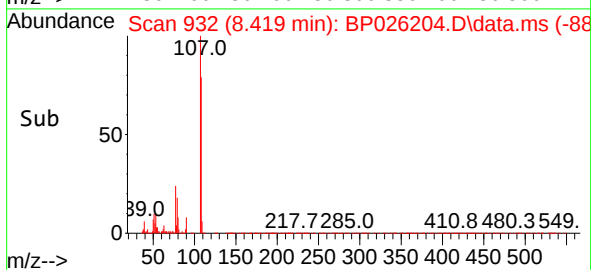
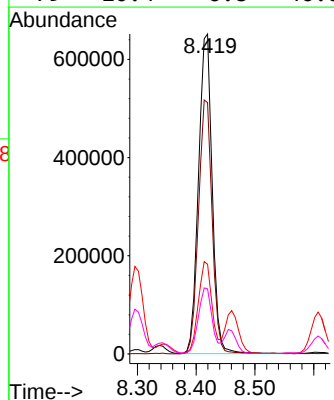
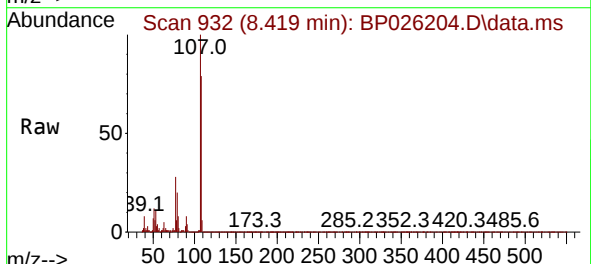
Instrument :
BNA_P
ClientSampleId :
MW5

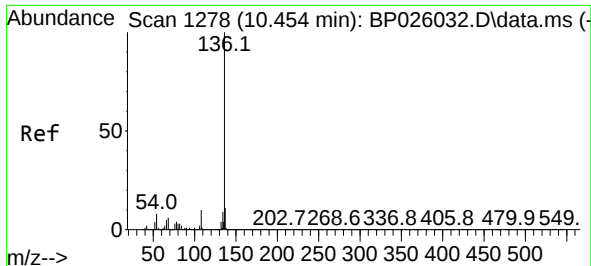
Tgt Ion:117 Resp: 606211
Ion Ratio Lower Upper
117 100
119 461.8 78.7 118.1#
201 0.0 85.1 127.7#



#20
3+4-Methylphenols
Concen: 53.019 ng
RT: 8.419 min Scan# 932
Delta R.T. -0.017 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02

Tgt Ion:107 Resp: 1053703
Ion Ratio Lower Upper
107 100
108 78.6 68.9 108.9
77 28.0 10.4 50.4
79 20.4 6.8 46.8



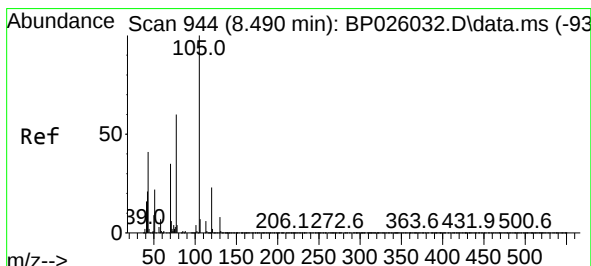
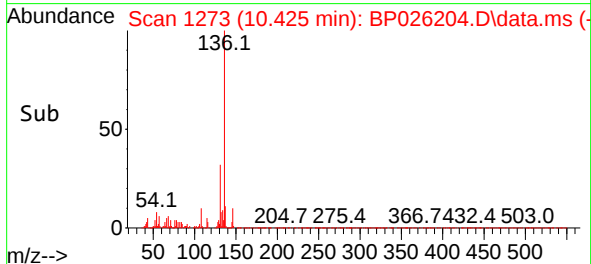
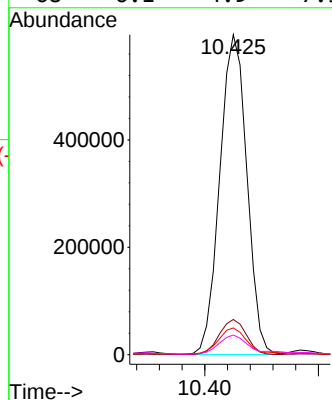
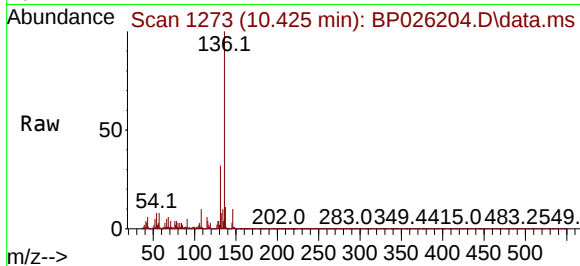


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.425 min Scan# 11
Delta R.T. -0.023 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02

Instrument :
BNA_P
ClientSampleId :
MW5

Tgt Ion:136 Resp: 985477

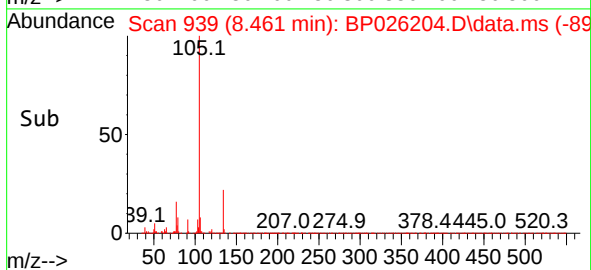
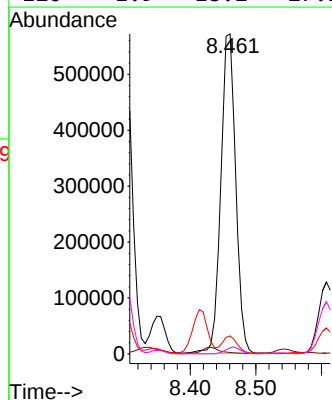
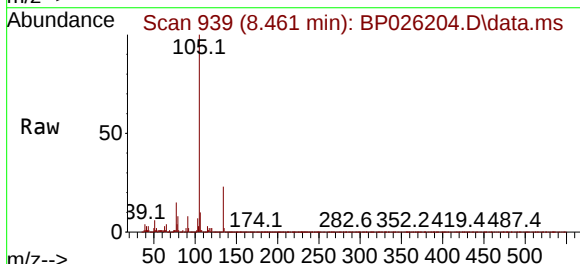
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	8.3	6.4	9.6
68	6.1	4.9	7.3

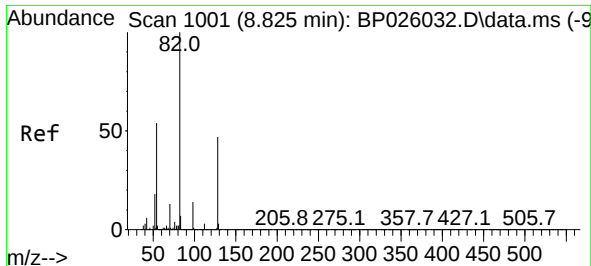


#22
Acetophenone
Concen: 35.845 ng
RT: 8.461 min Scan# 939
Delta R.T. -0.023 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02

Tgt Ion:105 Resp: 897872

Ion	Ratio	Lower	Upper
105	100		
71	0.5	3.0	4.4#
51	5.6	20.5	30.7#
120	1.9	18.2	27.2#

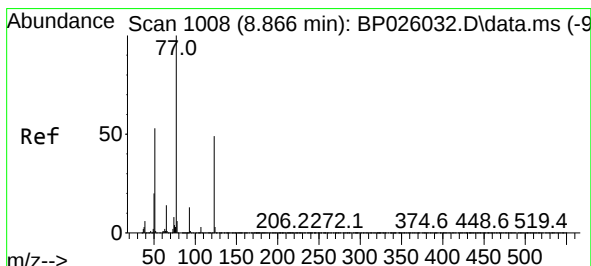
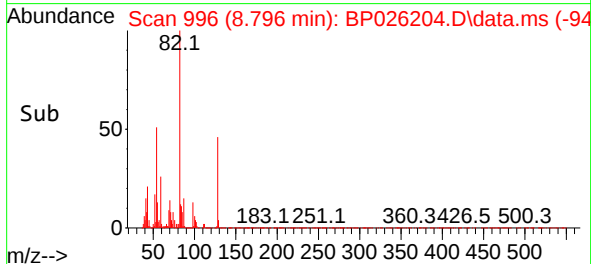
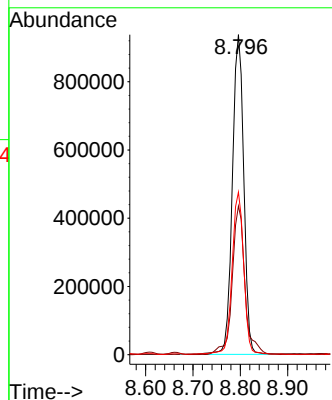
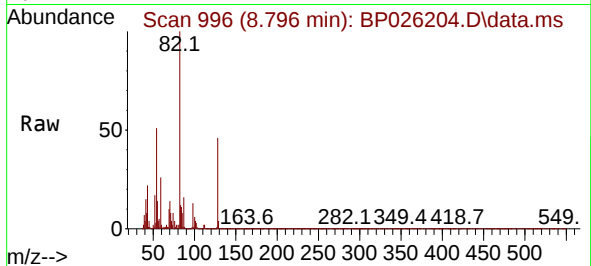




#23
Nitrobenzene-d5
Concen: 90.461 ng
RT: 8.796 min Scan# 996
Delta R.T. -0.017 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02

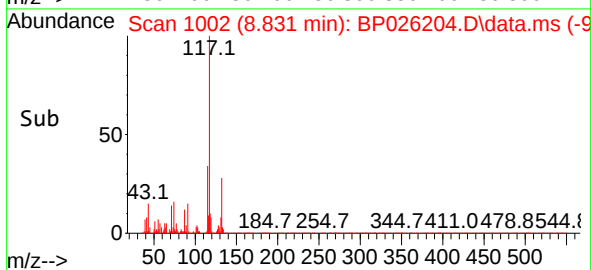
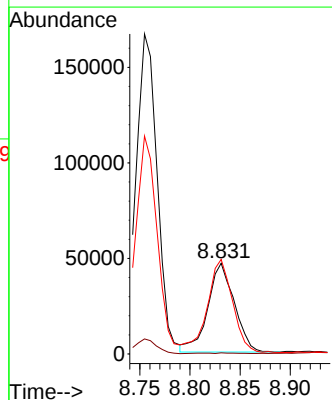
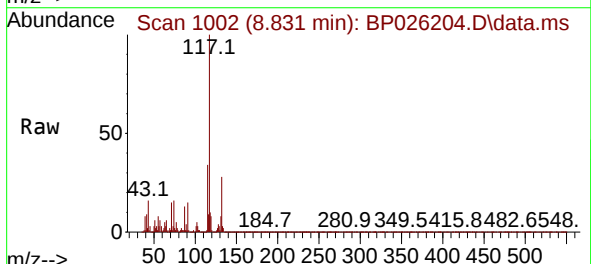
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MW5

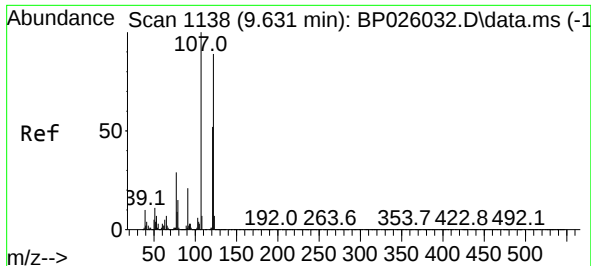
Tgt Ion: 82 Resp: 1569424
Ion Ratio Lower Upper
82 100
128 46.4 37.4 56.0
54 50.8 41.6 62.4



#24
Nitrobenzene
Concen: 4.887 ng
RT: 8.831 min Scan# 1002
Delta R.T. -0.023 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02

Tgt Ion: 77 Resp: 85771
Ion Ratio Lower Upper
77 100
123 1.2 39.8 59.8#
65 104.2 11.2 16.8#

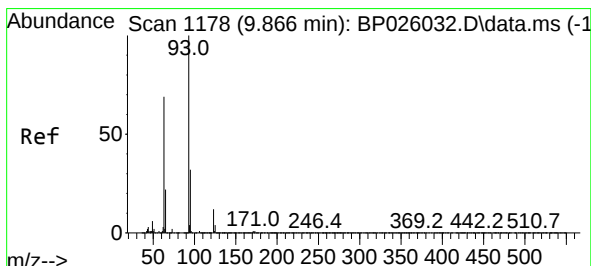
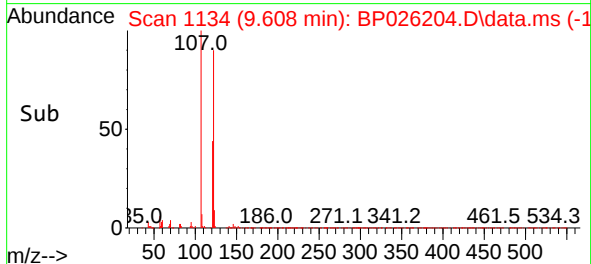
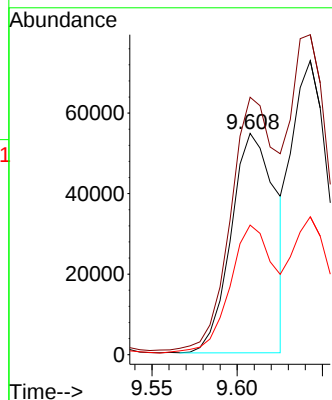
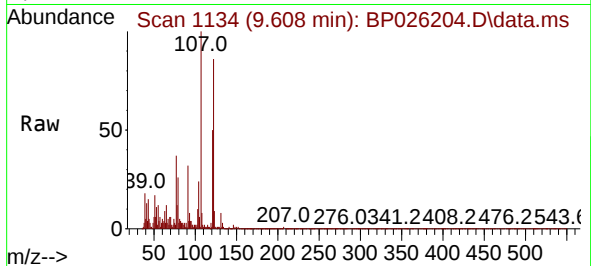




#27
2,4-Dimethylphenol
Concen: 6.183 ng
RT: 9.608 min Scan# 1138
Delta R.T. -0.017 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02

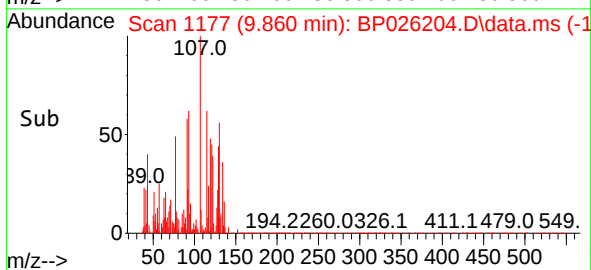
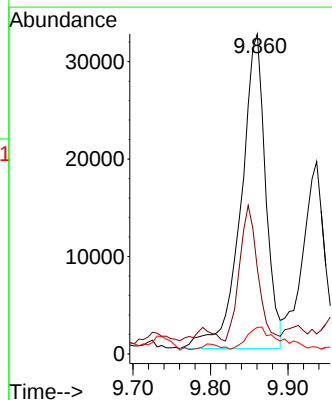
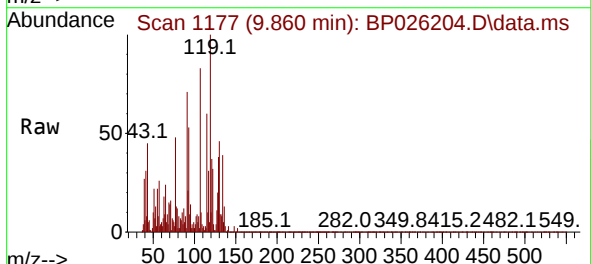
Instrument :
BNA_P
ClientSampleId :
MW5

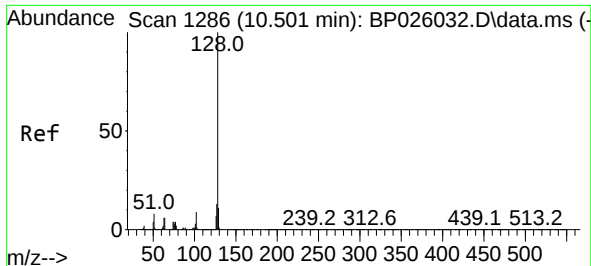
Tgt Ion:	122	Resp:	99010
Ion	Ratio	Lower	Upper
122	100		
107	116.4	91.0	136.6
121	58.6	47.0	70.6



#28
bis(2-Chloroethoxy)methane
Concen: 3.324 ng
RT: 9.860 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02

Tgt Ion:	93	Resp:	71593
Ion	Ratio	Lower	Upper
93	100		
95	26.7	26.4	39.6
123	8.3	9.4	14.0

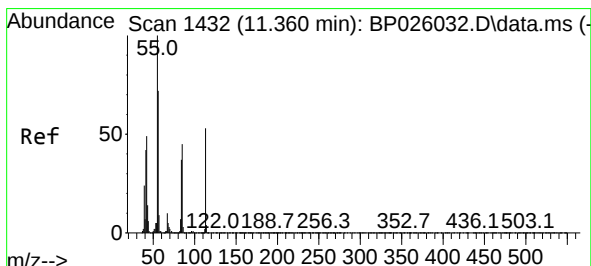
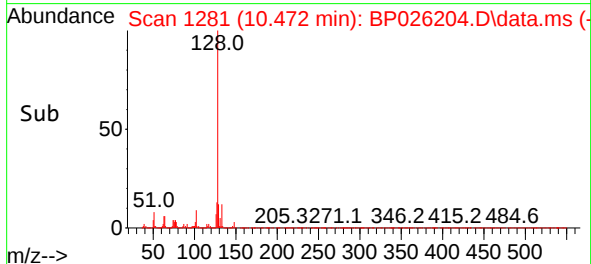
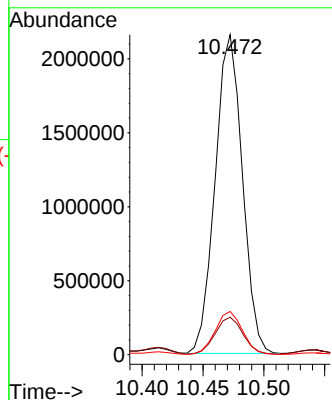
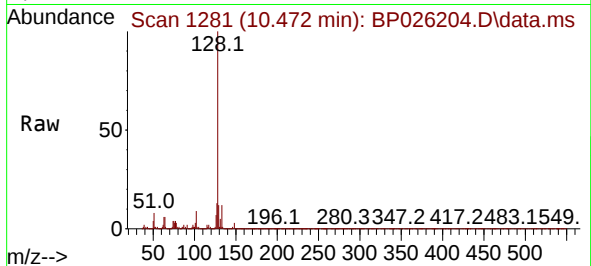




#31
Naphthalene
Concen: 63.005 ng
RT: 10.472 min Scan# 11
Delta R.T. -0.023 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02

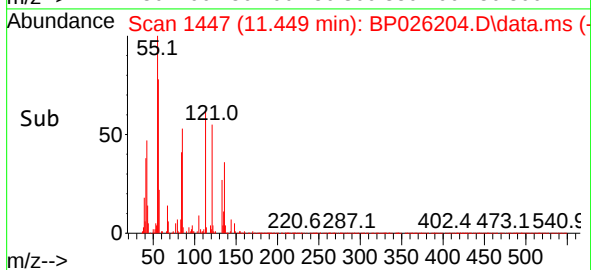
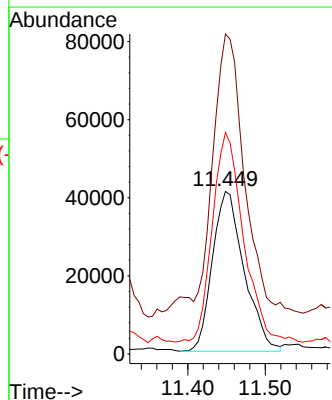
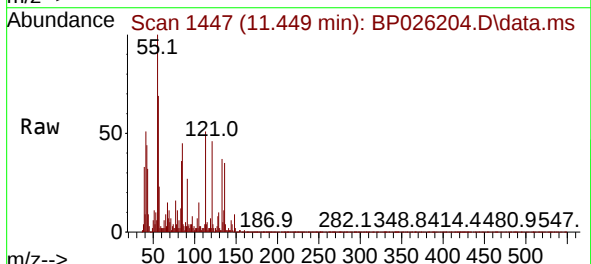
Instrument :
BNA_P
ClientSampleId :
MW5

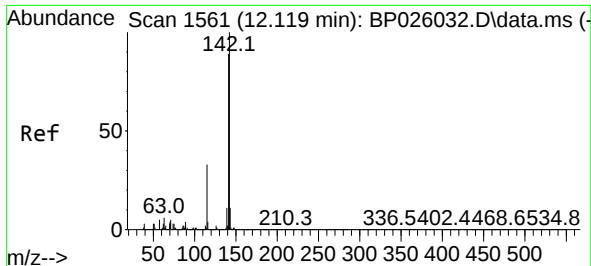
Tgt Ion:128 Resp: 3355646
Ion Ratio Lower Upper
128 100
129 11.7 9.0 13.6
127 13.5 10.2 15.4



#35
Caprolactam
Concen: 20.316 ng
RT: 11.449 min Scan# 1447
Delta R.T. 0.071 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02

Tgt Ion:113 Resp: 116427
Ion Ratio Lower Upper
113 100
55 196.8 153.0 193.0#
56 136.2 106.4 146.4

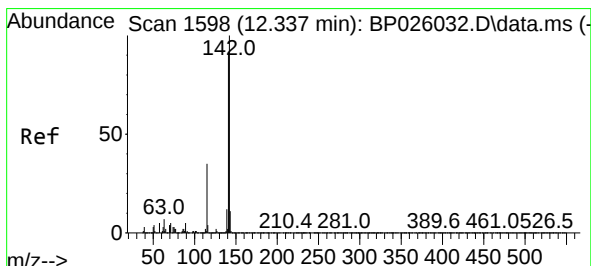
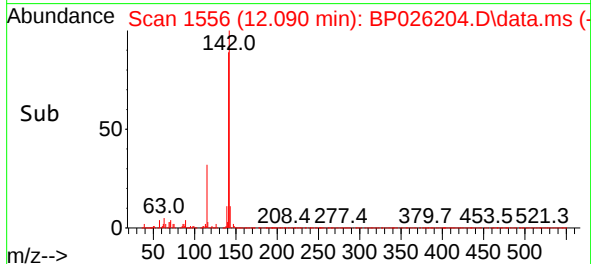
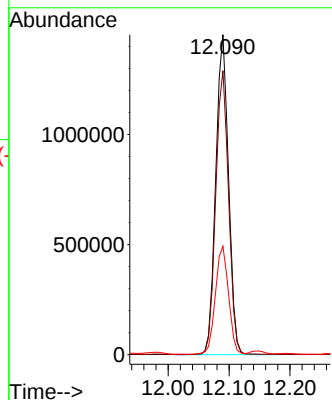
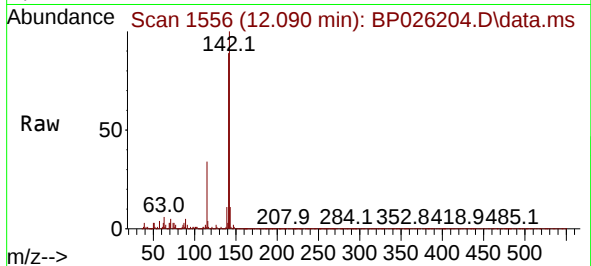




#37
2-Methylnaphthalene
Concen: 56.052 ng
RT: 12.090 min Scan# 1556
Delta R.T. -0.023 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02

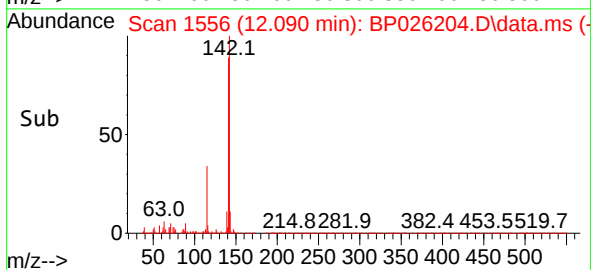
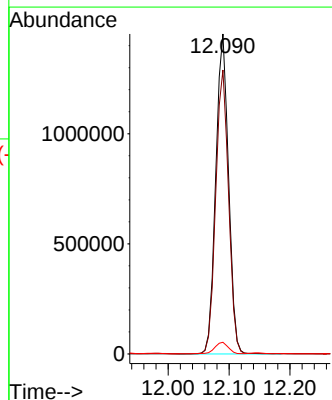
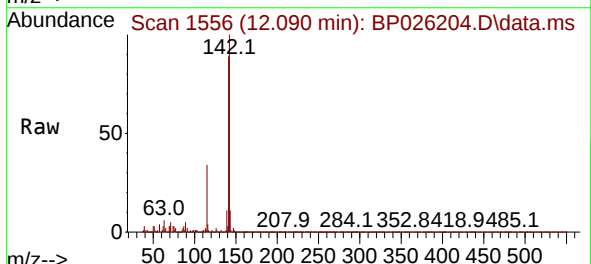
Instrument :
BNA_P
ClientSampleId :
MW5

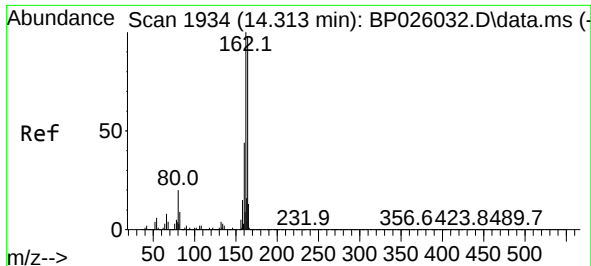
Tgt Ion:142 Resp: 2116408
Ion Ratio Lower Upper
142 100
141 88.8 71.0 106.6
115 33.9 26.6 39.8



#38
1-Methylnaphthalene
Concen: 57.347 ng
RT: 12.090 min Scan# 1556
Delta R.T. -0.241 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02

Tgt Ion:142 Resp: 2116408
Ion Ratio Lower Upper
142 100
141 88.8 73.5 110.3
116 3.7 3.0 4.4

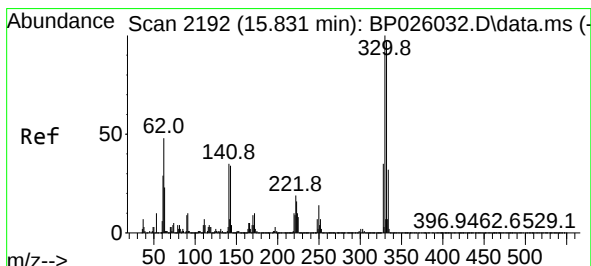
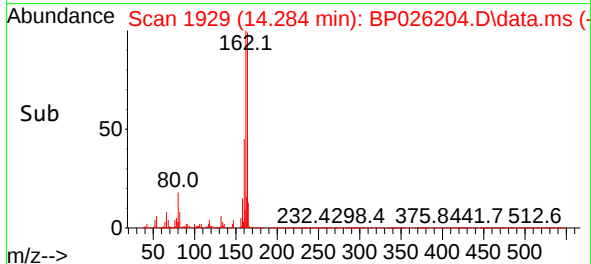
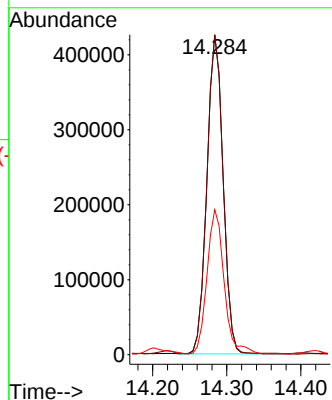
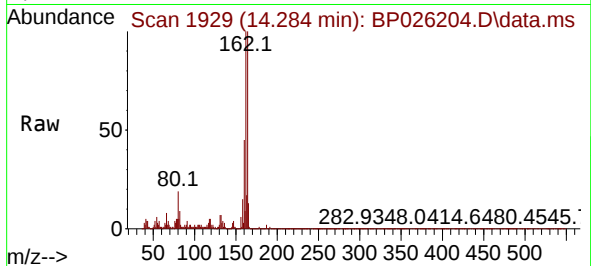




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.284 min Scan# 1934
Delta R.T. -0.041 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02

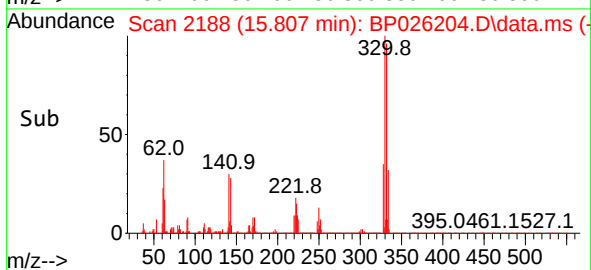
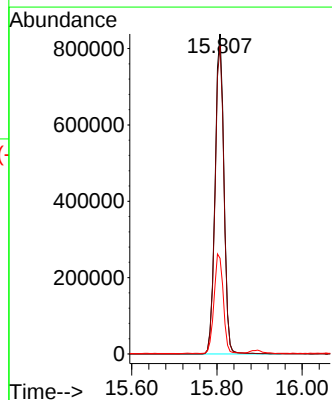
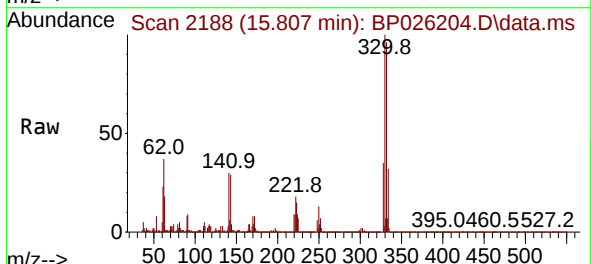
Instrument :
BNA_P
ClientSampleId :
MW5

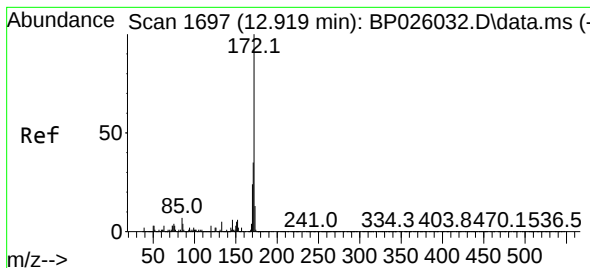
Tgt Ion:164 Resp: 647616
Ion Ratio Lower Upper
164 100
162 100.1 80.3 120.5
160 45.4 35.2 52.8



#42
2,4,6-Tribromophenol
Concen: 143.705 ng
RT: 15.807 min Scan# 2188
Delta R.T. -0.029 min
Lab File: BP026204.D
Acq: 01 Dec 2025 20:02

Tgt Ion:330 Resp: 1207287
Ion Ratio Lower Upper
330 100
332 96.7 78.0 117.0
141 32.3 26.8 40.2





#45

2-Fluorobiphenyl

Concen: 91.352 ng

RT: 12.896 min Scan# 1

Delta R.T. -0.035 min

Lab File: BP026204.D

Acq: 01 Dec 2025 20:02

Instrument :

BNA_P

ClientSampleId :

MW5

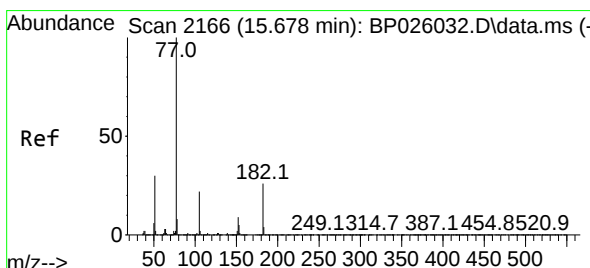
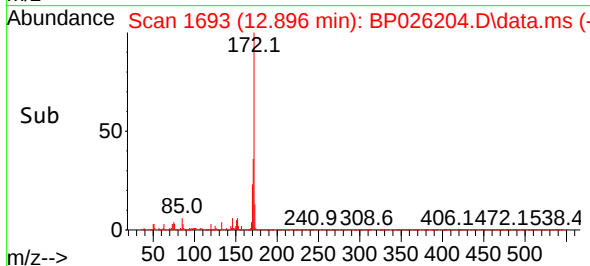
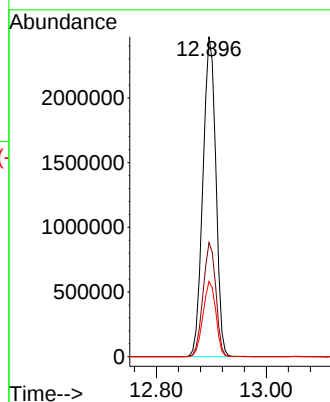
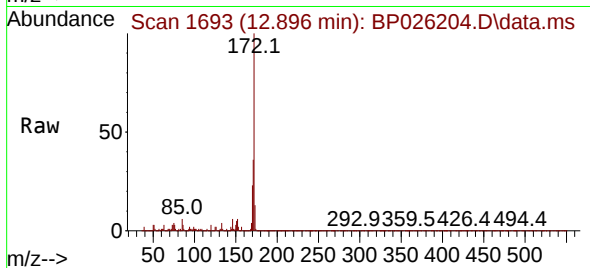
Tgt Ion:172 Resp: 4036679

Ion Ratio Lower Upper

172 100

171 35.7 28.2 42.4

170 23.5 18.7 28.1



#63

Azobenzene

Concen: 7.870 ng

RT: 15.678 min Scan# 2166

Delta R.T. -0.011 min

Lab File: BP026204.D

Acq: 01 Dec 2025 20:02

Tgt Ion: 77 Resp: 323336

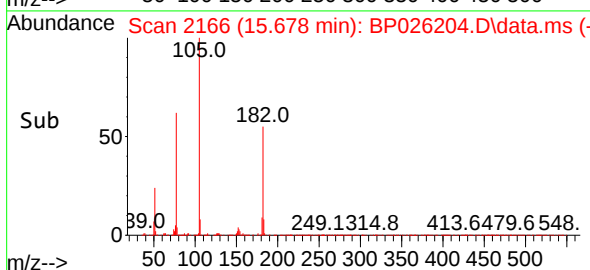
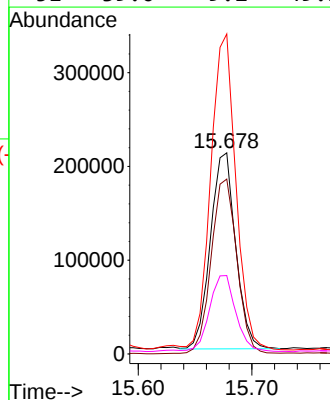
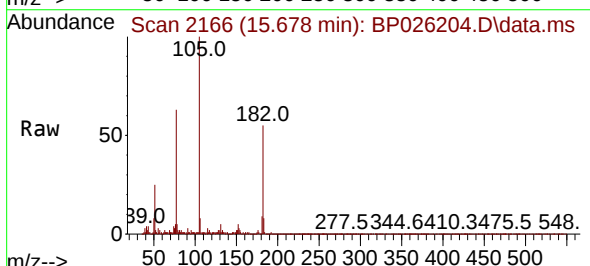
Ion Ratio Lower Upper

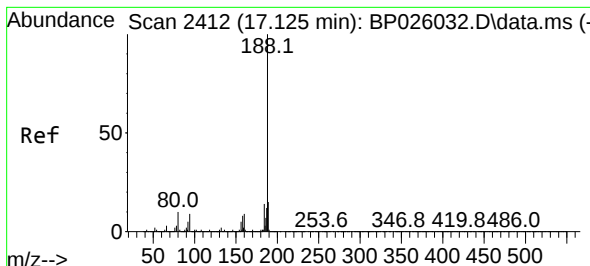
77 100

182 87.0 8.8 48.8#

105 159.1 2.6 42.6#

51 39.0 9.2 49.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.101 min Scan# 2412

Delta R.T. -0.029 min

Lab File: BP026204.D

Acq: 01 Dec 2025 20:02

Instrument :

BNA_P

ClientSampleId :

MW5

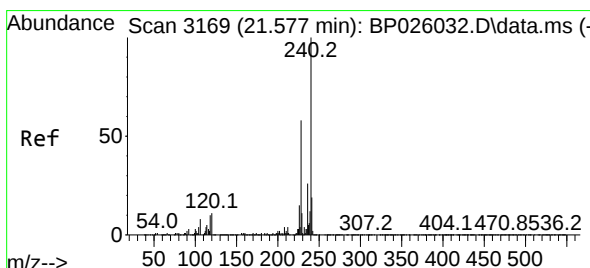
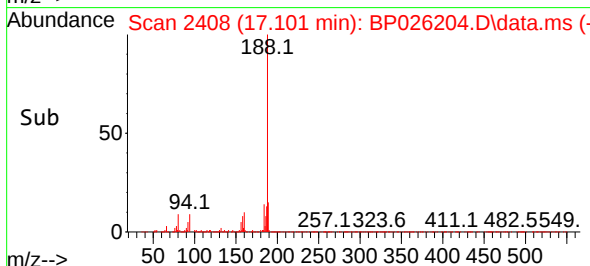
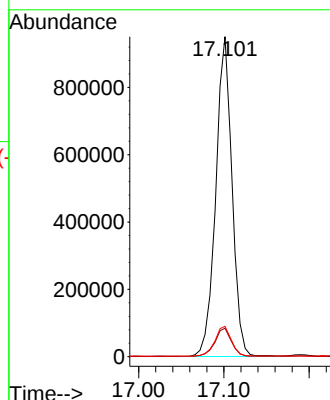
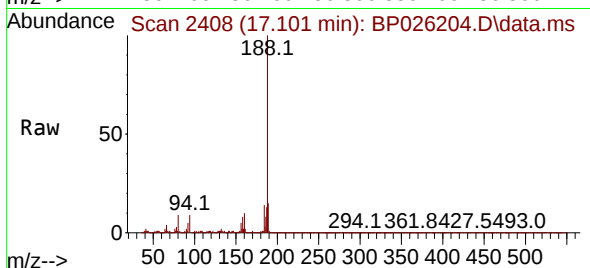
Tgt Ion:188 Resp: 1258602

Ion Ratio Lower Upper

188 100

94 8.9 7.8 11.6

80 9.5 8.2 12.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.536 min Scan# 3162

Delta R.T. -0.035 min

Lab File: BP026204.D

Acq: 01 Dec 2025 20:02

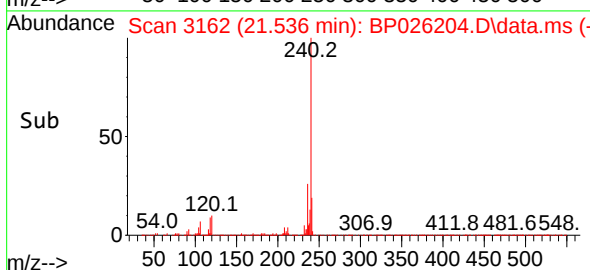
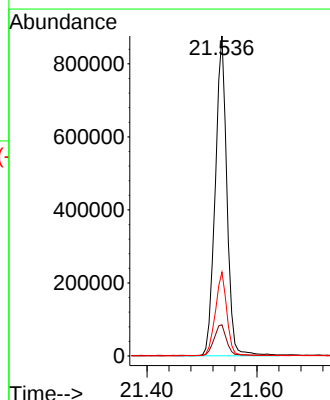
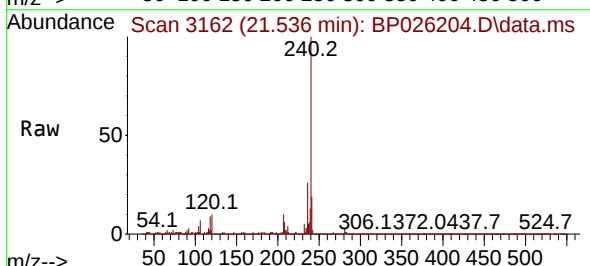
Tgt Ion:240 Resp: 1291488

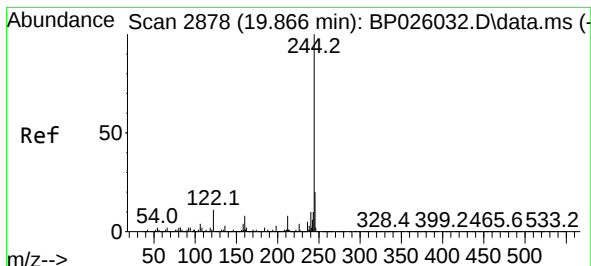
Ion Ratio Lower Upper

240 100

120 9.7 9.0 13.4

236 26.2 20.4 30.6





#79

Terphenyl-d14

Concen: 90.135 ng

RT: 19.831 min Scan# 21

Delta R.T. -0.041 min

Lab File: BP026204.D

Acq: 01 Dec 2025 20:02

Instrument :

BNA_P

ClientSampleId :

MW5

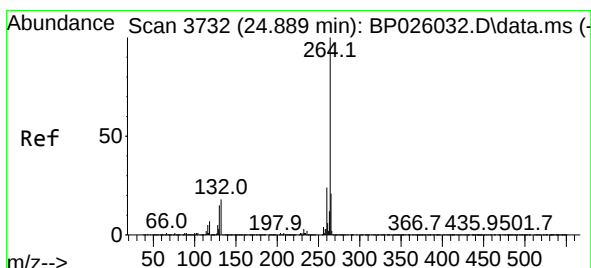
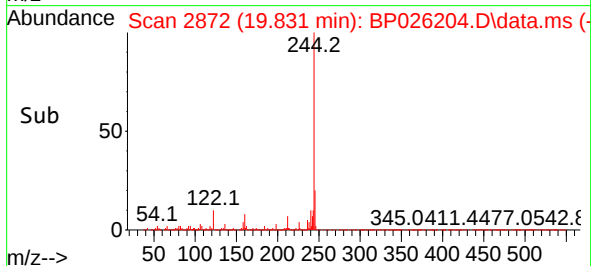
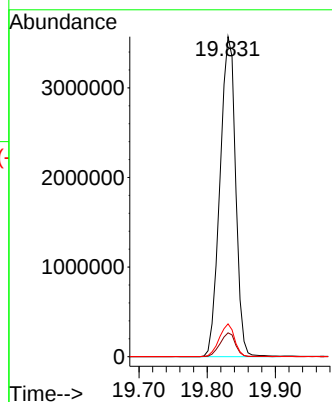
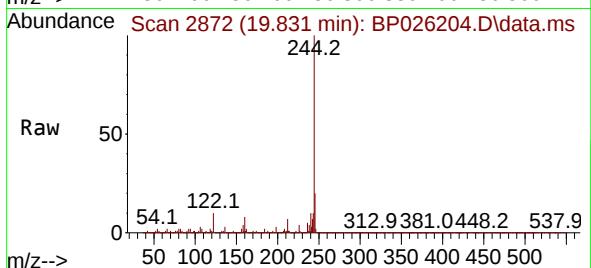
Tgt Ion:244 Resp: 5708918

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

122 10.3 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.819 min Scan# 3720

Delta R.T. -0.088 min

Lab File: BP026204.D

Acq: 01 Dec 2025 20:02

Tgt Ion:264 Resp: 1438482

Ion Ratio Lower Upper

264 100

260 23.4 18.7 28.1

265 22.0 17.5 26.3

