

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
 Data File : BP024882.D
 Acq On : 09 Jun 2025 18:16
 Operator : RC/JU
 Sample : Q2231-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MW-14-20250604

Quant Time: Jun 09 18:35:57 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)

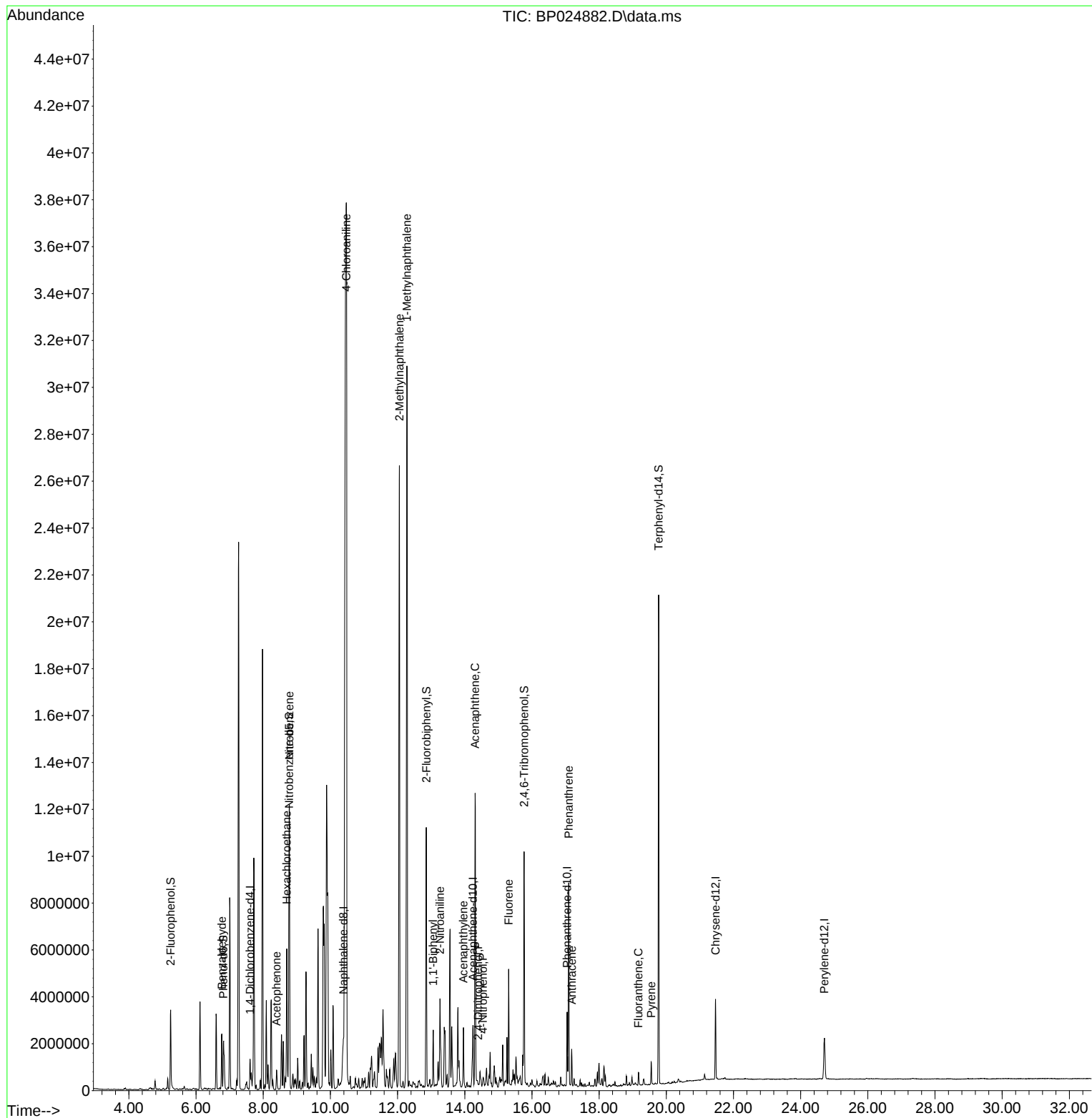
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	349461	20.000	ng	0.00
21) Naphthalene-d8	10.384	136	1376663	20.000	ng	0.00
39) Acenaphthene-d10	14.243	164	905272	20.000	ng	0.00
64) Phenanthrene-d10	17.048	188	1818071	20.000	ng	-0.01
76) Chrysene-d12	21.466	240	1856594	20.000	ng	-0.02
86) Perylene-d12	24.707	264	1819039	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	1549199	73.998	ng	0.00
7) Phenol-d6	6.813	99	1236737	44.647	ng	0.00
23) Nitrobenzene-d5	8.766	82	2469553	87.170	ng	0.00
42) 2,4,6-Tribromophenol	15.766	330	2139792	170.966	ng	-0.02
45) 2-Fluorobiphenyl	12.854	172	5430881	80.816	ng	0.00
79) Terphenyl-d14	19.772	244	10294543	99.378	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.766	77	169266	10.602	ng	# 1
18) Hexachloroethane	8.702	117	550367	54.720	ng	# 1
22) Acetophenone	8.396	105	571517	16.432	ng	# 57
24) Nitrobenzene	8.778	77	311493	12.376	ng	# 1
33) 4-Chloroaniline	10.472	127	10454115	353.691	ng	# 36
37) 2-Methylnaphthalene	12.054	142	13464061	300.868	ng	97
38) 1-Methylnaphthalene	12.278	142	16530937	345.521	ng	96
46) 1,1'-Biphenyl	13.060	154	1164385	17.699	ng	99
48) 2-Nitroaniline	13.260	65	35818	2.304	ng	# 25
49) Acenaphthylene	13.960	152	181969	2.158	ng	# 15
52) Acenaphthene	14.307	154	4504868	93.247	ng	99
54) 2,4-Dinitrophenol	14.401	184	333	5.596	ng	# 1
56) 4-Nitrophenol	14.542	139	11670	6.269	ng	# 37
58) Fluorene	15.307	166	1909785	30.486	ng	99
71) Phenanthrene	17.095	178	4939966	49.169	ng	99
72) Anthracene	17.184	178	928421	9.124	ng	100
75) Fluoranthene	19.172	202	316872	2.721	ng	99
78) Pyrene	19.554	202	623310	5.374	ng	98

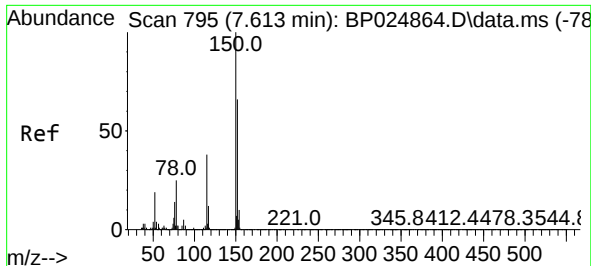
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024882.D
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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

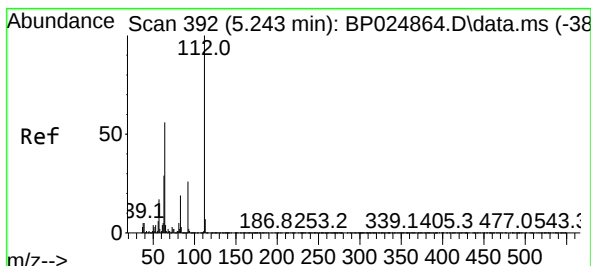
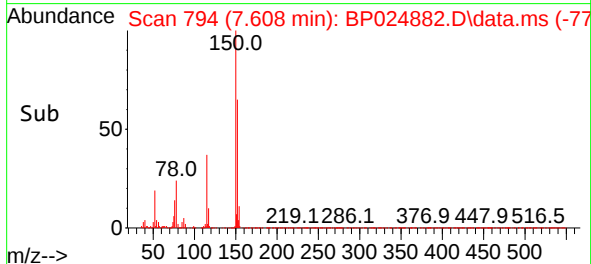
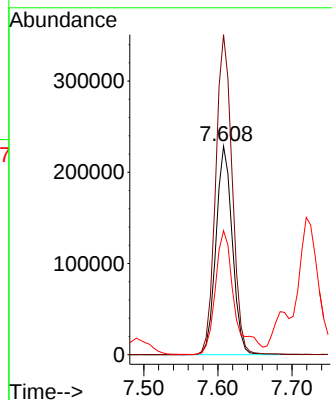
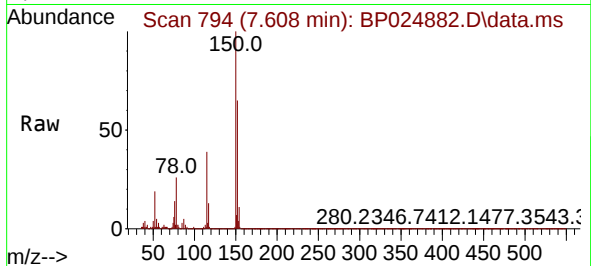




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 795
Delta R.T. -0.005 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

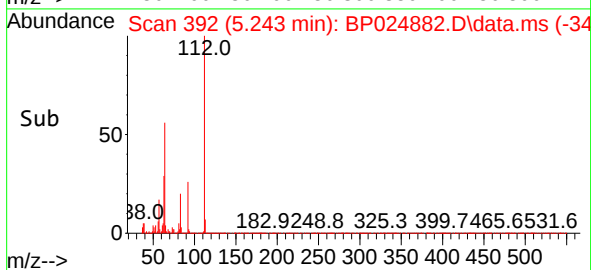
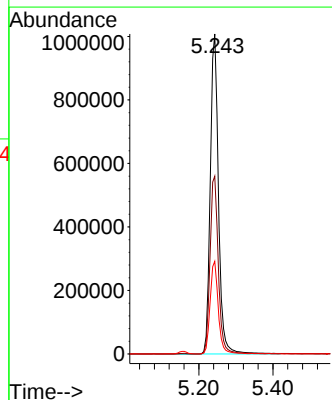
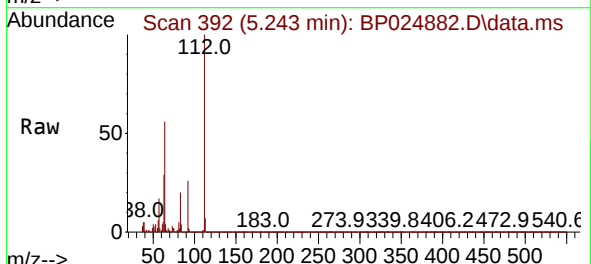
Instrument :
BNA_P
ClientSampleId :
MW-14-20250604

Tgt Ion:152 Resp: 349461
Ion Ratio Lower Upper
152 100
150 153.4 122.1 183.1
115 59.5 46.4 69.6



#5
2-Fluorophenol
Concen: 73.998 ng
RT: 5.243 min Scan# 392
Delta R.T. -0.000 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

Tgt Ion:112 Resp: 1549199
Ion Ratio Lower Upper
112 100
64 55.5 44.7 67.1
63 29.0 23.5 35.3



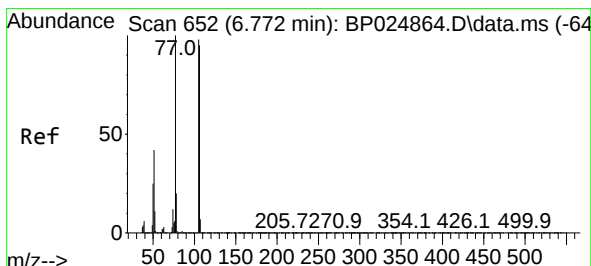
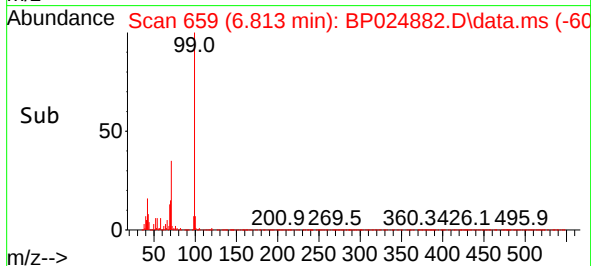
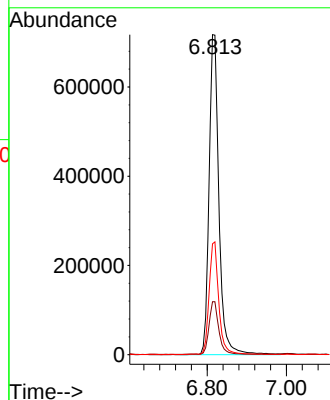
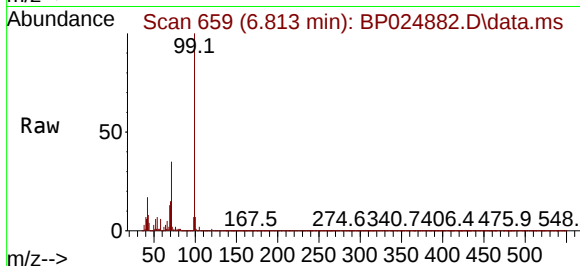


#7
Phenol-d6
Concen: 44.647 ng
RT: 6.813 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

Instrument :
BNA_P
ClientSampleId :
MW-14-20250604

Tgt Ion: 99 Resp: 1236737

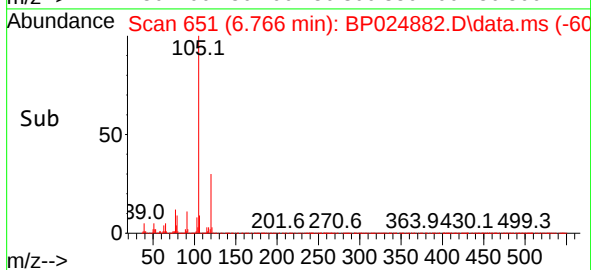
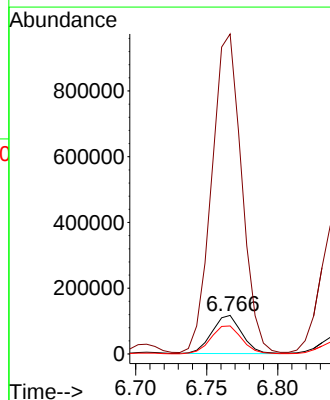
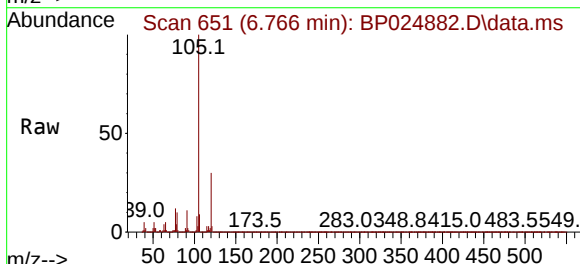
Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.4	20.2
71	34.6	27.6	41.4

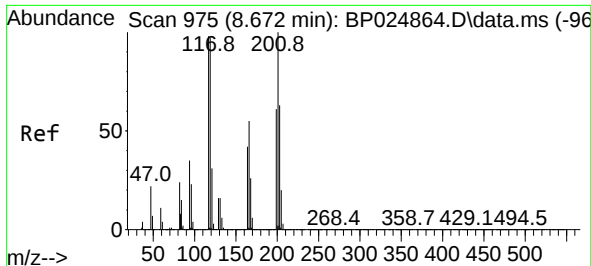


#9
Benzaldehyde
Concen: 10.602 ng
RT: 6.766 min Scan# 651
Delta R.T. -0.006 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

Tgt Ion: 77 Resp: 169266

Ion	Ratio	Lower	Upper
77	100		
105	830.7	77.7	117.7#
106	72.8	74.8	114.8#

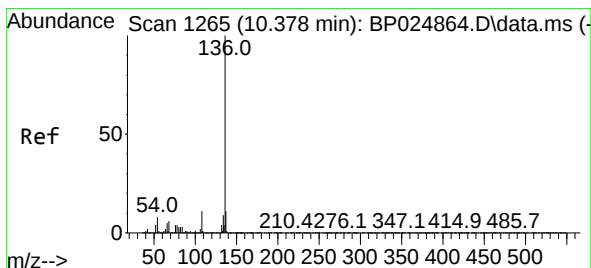
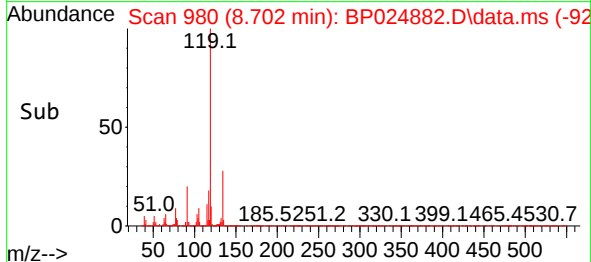
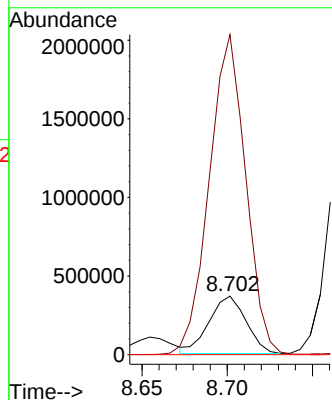
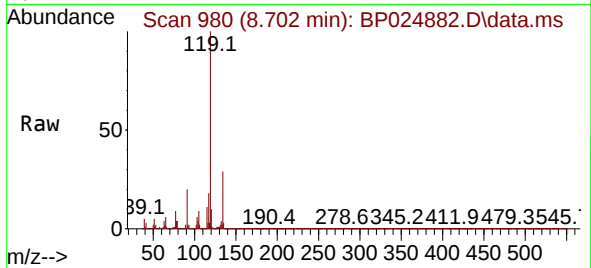




#18
Hexachloroethane
Concen: 54.720 ng
RT: 8.702 min Scan# 91
Delta R.T. 0.029 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

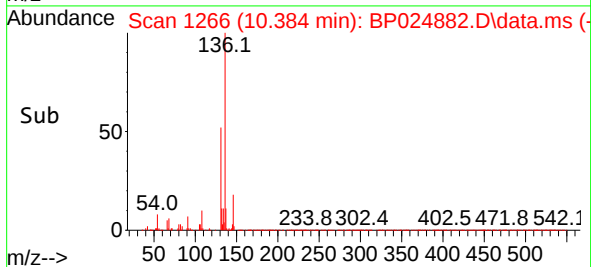
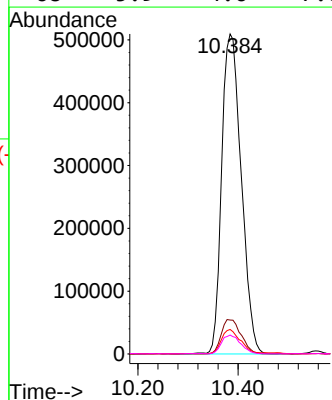
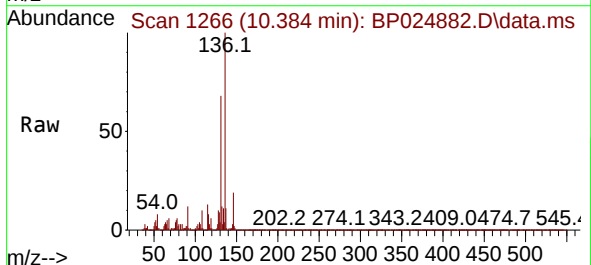
Instrument :
BNA_P
ClientSampleId :
MW-14-20250604

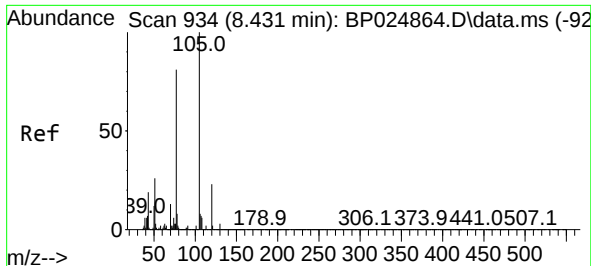
Tgt Ion:117 Resp: 550367
Ion Ratio Lower Upper
117 100
119 546.2 79.4 119.2#
201 0.0 81.4 122.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.384 min Scan# 1266
Delta R.T. 0.006 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

Tgt Ion:136 Resp: 1376663
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 7.7 6.1 9.1
68 5.9 4.6 7.0

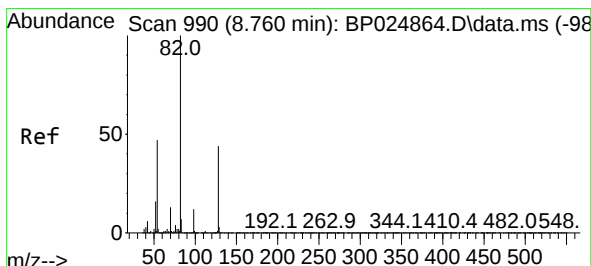
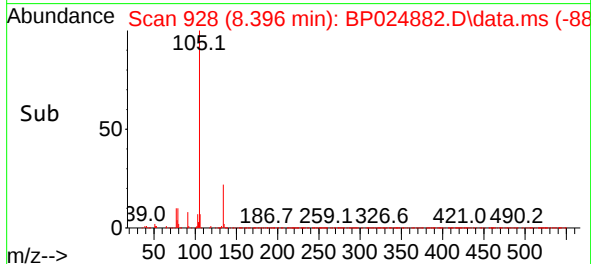
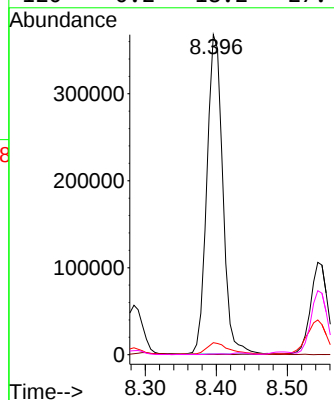
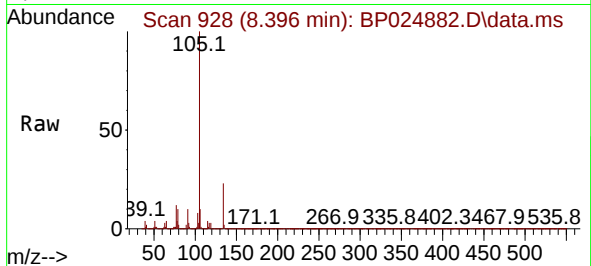




#22
Acetophenone
Concen: 16.432 ng
RT: 8.396 min Scan# 911
Delta R.T. -0.035 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

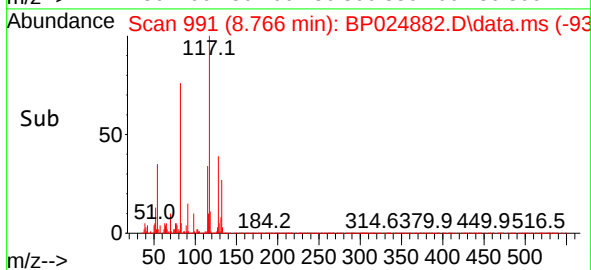
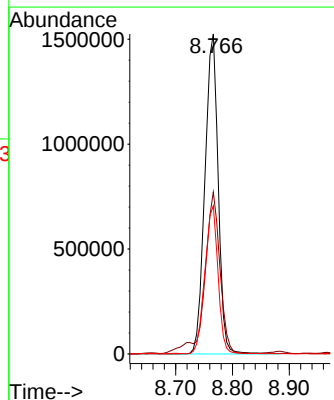
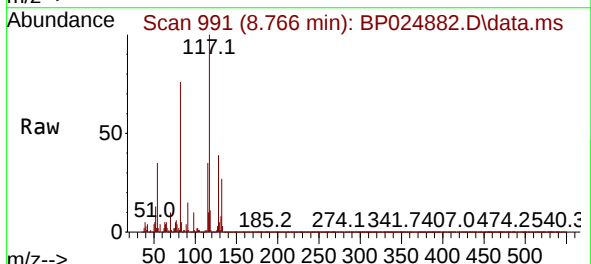
Instrument :
BNA_P
ClientSampleId :
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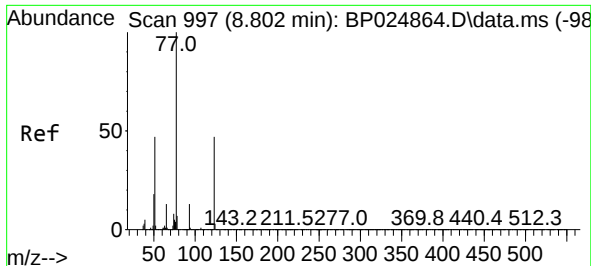
Tgt Ion:105 Resp: 571517
Ion Ratio Lower Upper
105 100
71 0.1 1.6 2.4#
51 3.7 20.6 31.0#
120 0.2 18.2 27.4#



#23
Nitrobenzene-d5
Concen: 87.170 ng
RT: 8.766 min Scan# 991
Delta R.T. 0.006 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

Tgt Ion: 82 Resp: 2469553
Ion Ratio Lower Upper
82 100
128 50.6 35.3 52.9
54 46.3 37.4 56.0

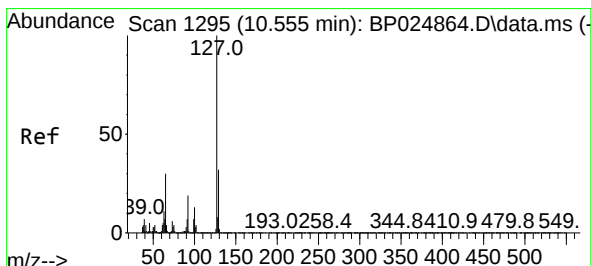
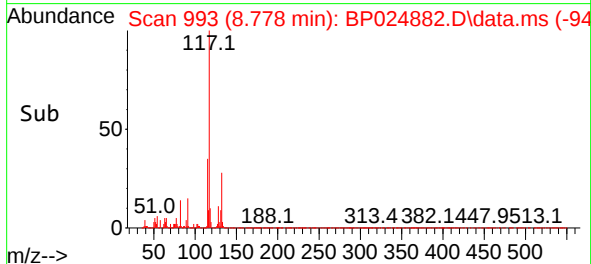
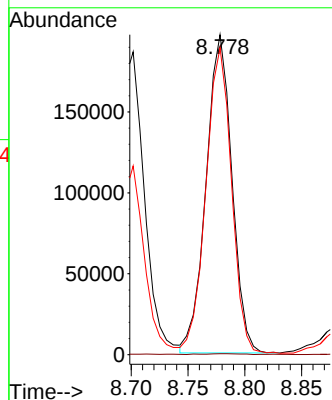
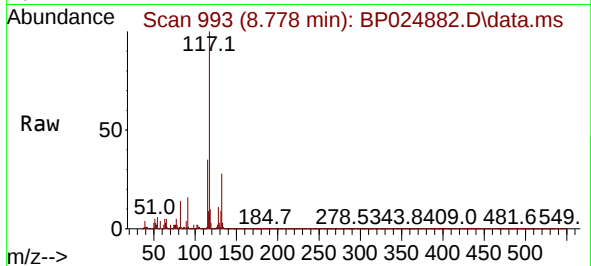




#24
Nitrobenzene
Concen: 12.376 ng
RT: 8.778 min Scan# 91
Delta R.T. -0.024 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

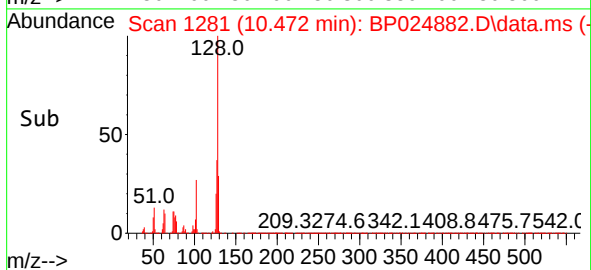
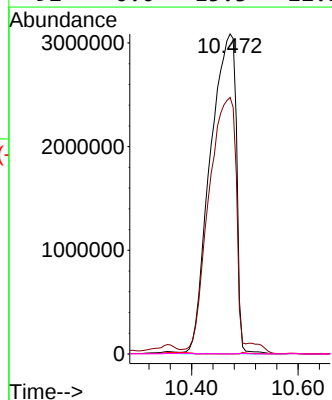
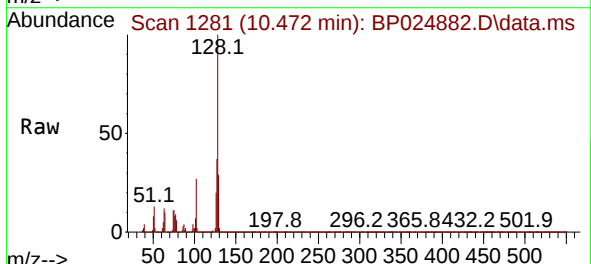
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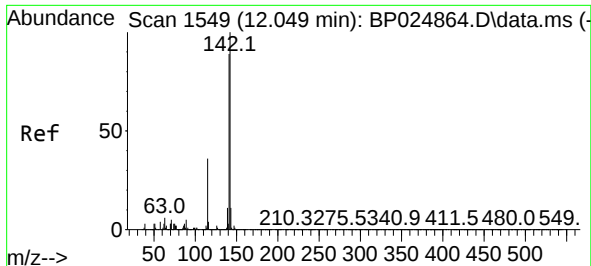
Tgt Ion: 77 Resp: 311493
Ion Ratio Lower Upper
77 100
123 0.3 37.3 55.9#
65 95.9 10.8 16.2#



#33
4-Chloroaniline
Concen: 353.691 ng
RT: 10.472 min Scan# 1281
Delta R.T. -0.082 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

Tgt Ion: 127 Resp: 10454115
Ion Ratio Lower Upper
127 100
129 80.1 25.9 38.9#
65 0.0 23.9 35.9#
92 0.0 15.3 22.9#

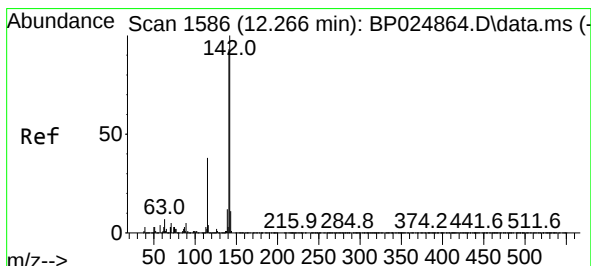
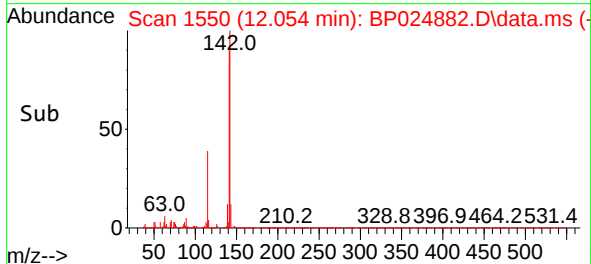
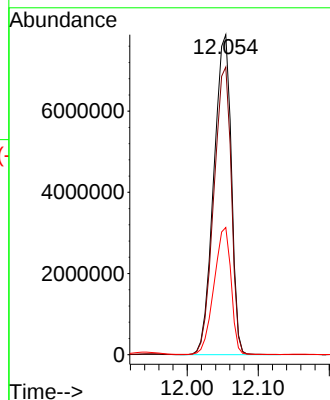
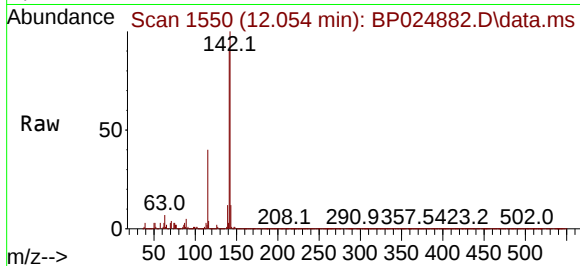




#37
2-Methylnaphthalene
Concen: 300.868 ng
RT: 12.054 min Scan# 1549
Delta R.T. 0.006 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

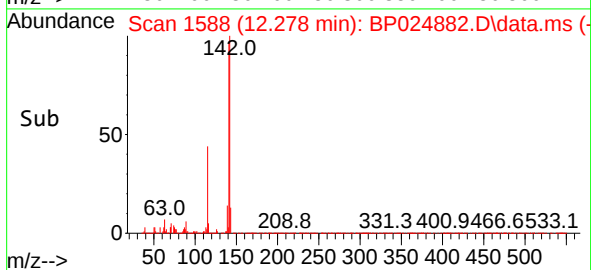
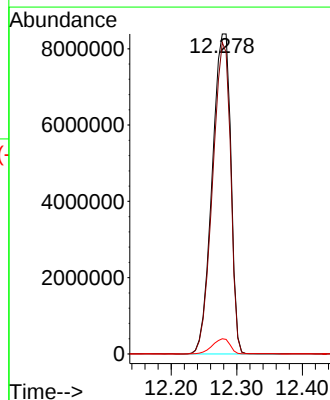
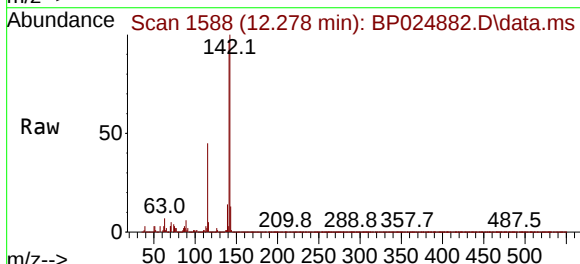
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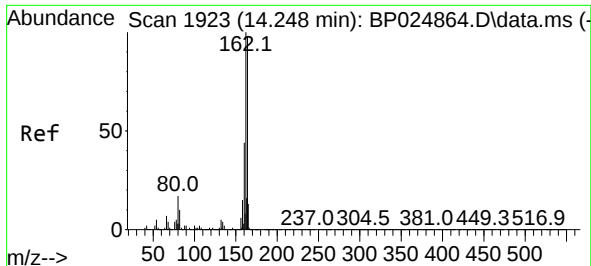
Tgt Ion:142 Resp:13464061
Ion Ratio Lower Upper
142 100
141 89.9 71.2 106.8
115 39.7 28.5 42.7



#38
1-Methylnaphthalene
Concen: 345.521 ng
RT: 12.278 min Scan# 1588
Delta R.T. 0.012 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

Tgt Ion:142 Resp:16530937
Ion Ratio Lower Upper
142 100
141 97.4 74.7 112.1
116 4.8 3.4 5.0

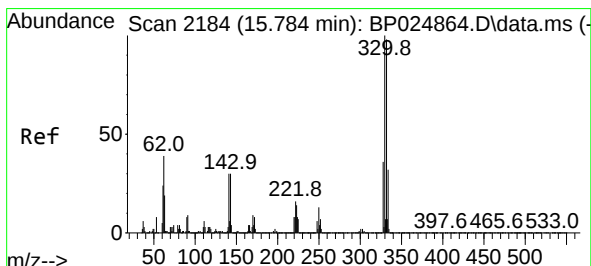
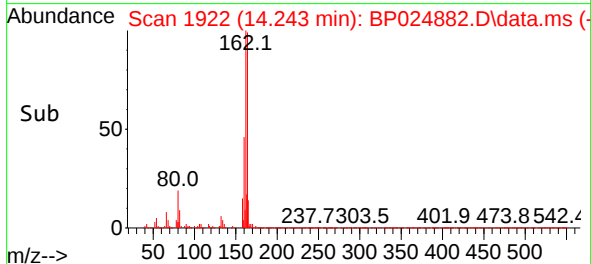
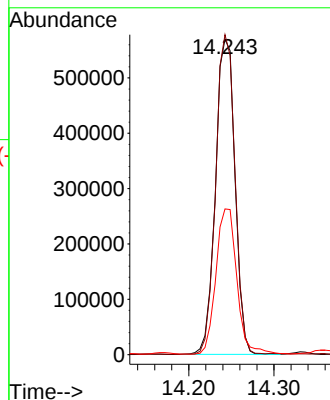
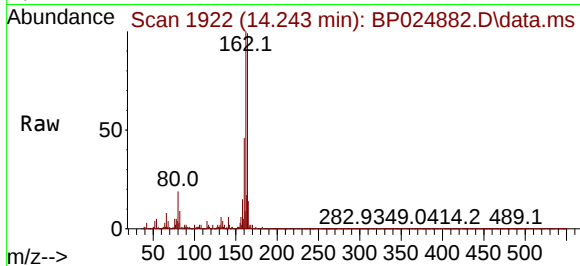




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.243 min Scan# 1922
Delta R.T. -0.006 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

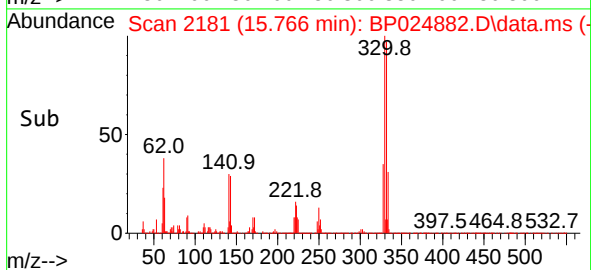
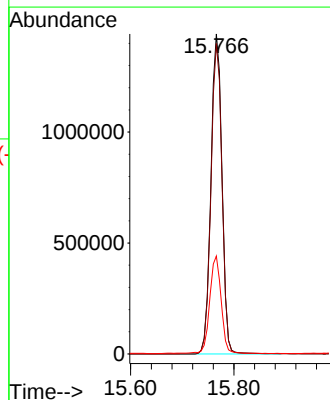
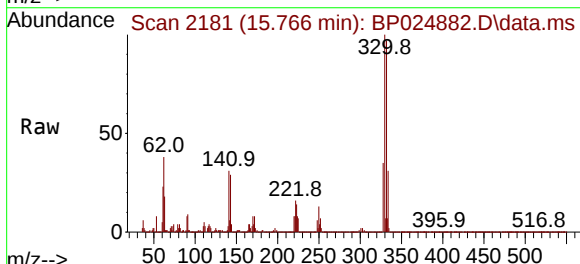
Instrument :
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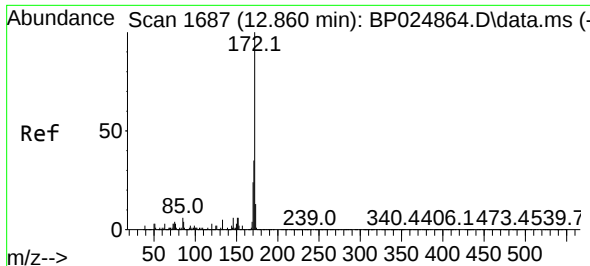
Tgt Ion:164 Resp: 905272
Ion Ratio Lower Upper
164 100
162 101.4 81.6 122.4
160 46.2 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 170.966 ng
RT: 15.766 min Scan# 2181
Delta R.T. -0.018 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

Tgt Ion:330 Resp: 2139792
Ion Ratio Lower Upper
330 100
332 96.6 77.7 116.5
141 31.7 26.4 39.6

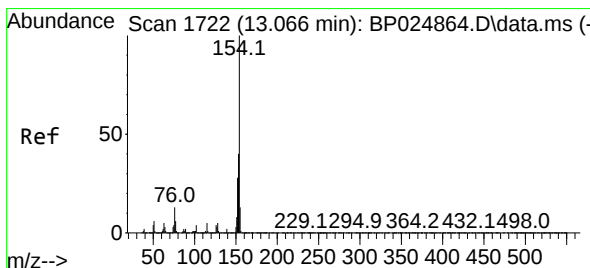
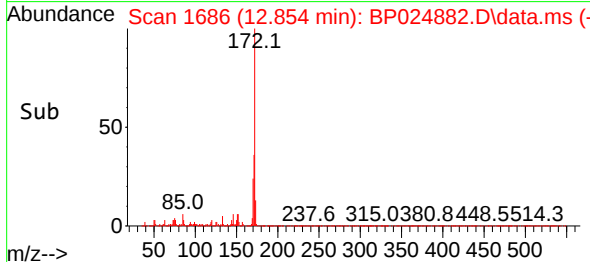
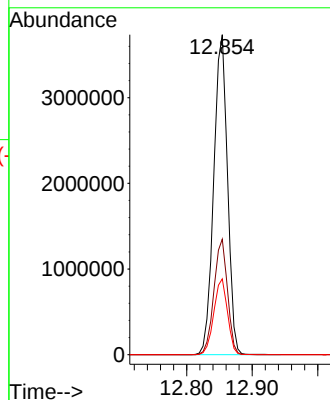
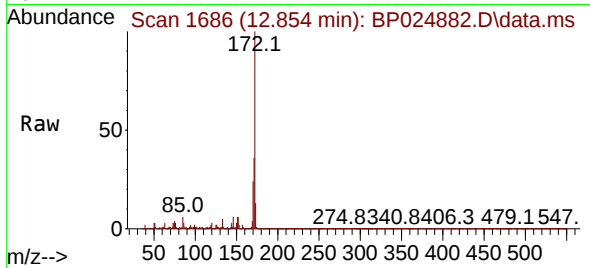




#45
2-Fluorobiphenyl
Concen: 80.816 ng
RT: 12.854 min Scan# 1686
Delta R.T. -0.006 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

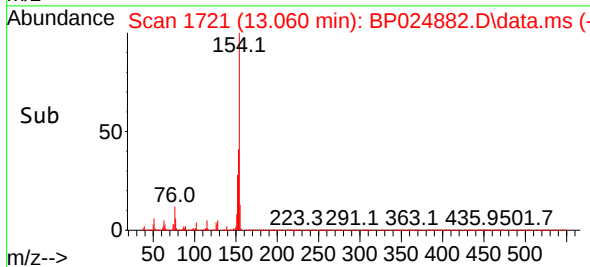
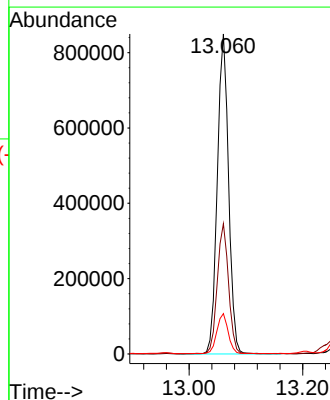
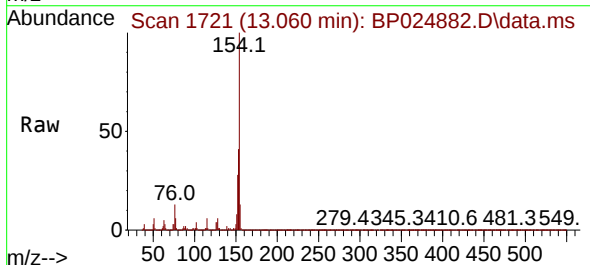
Instrument :
BNA_P
ClientSampleId :
MW-14-20250604

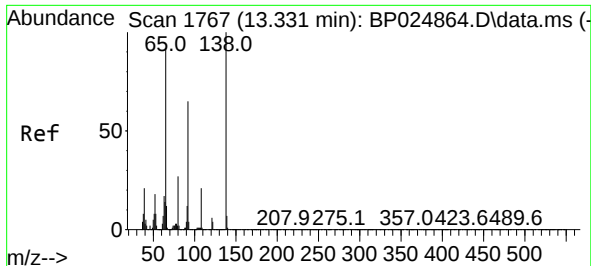
Tgt Ion:172 Resp: 5430881
Ion Ratio Lower Upper
172 100
171 36.1 28.3 42.5
170 23.7 19.0 28.4



#46
1,1'-Biphenyl
Concen: 17.699 ng
RT: 13.060 min Scan# 1721
Delta R.T. -0.006 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

Tgt Ion:154 Resp: 1164385
Ion Ratio Lower Upper
154 100
153 40.7 20.3 60.3
76 12.6 0.0 33.0

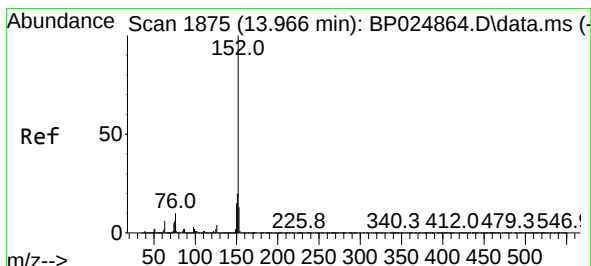
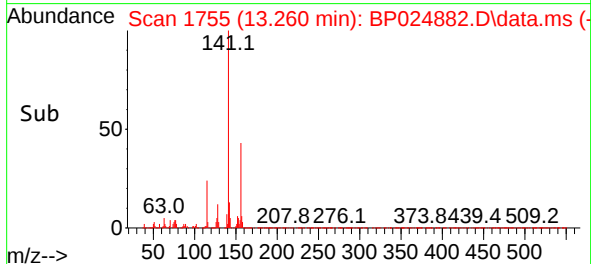
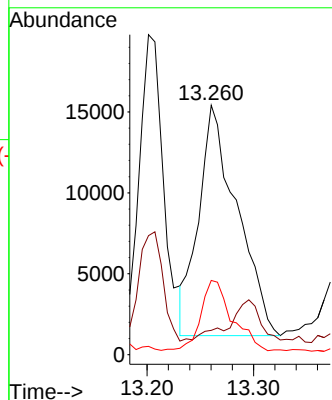
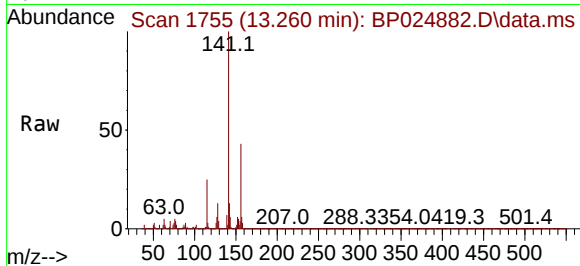




#48
2-Nitroaniline
Concen: 2.304 ng
RT: 13.260 min Scan# 1755
Delta R.T. -0.071 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

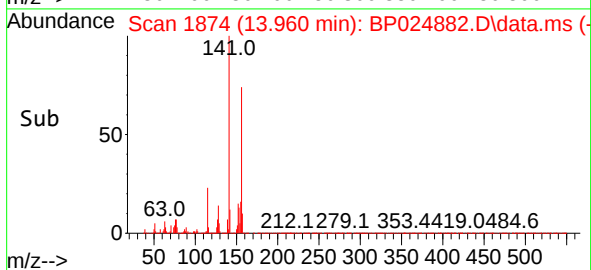
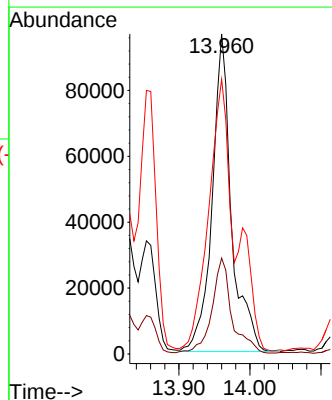
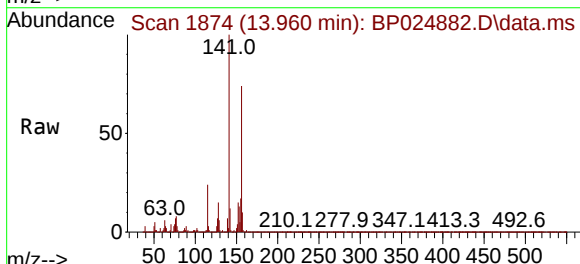
Instrument :
BNA_P
ClientSampleId :
MW-14-20250604

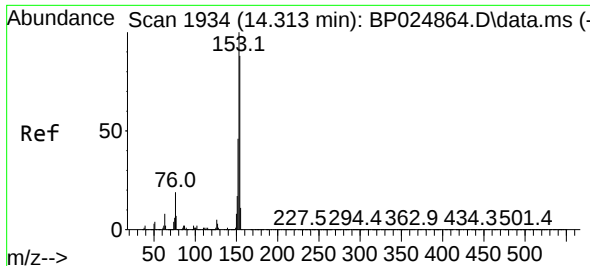
Tgt Ion: 65 Resp: 35818
Ion Ratio Lower Upper
65 100
92 9.8 56.8 85.2#
138 29.8 86.9 130.3#



#49
Acenaphthylene
Concen: 2.158 ng
RT: 13.960 min Scan# 1874
Delta R.T. -0.006 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

Tgt Ion: 152 Resp: 181969
Ion Ratio Lower Upper
152 100
151 29.9 16.2 24.2#
153 85.8 10.6 15.8#

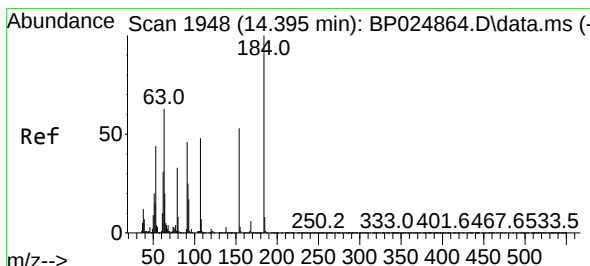
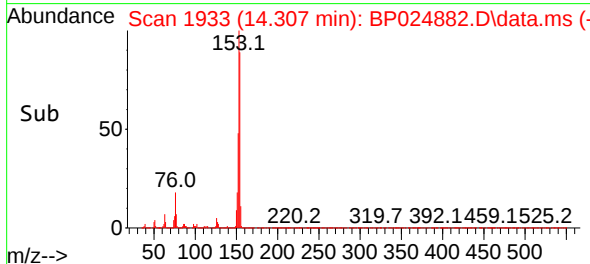
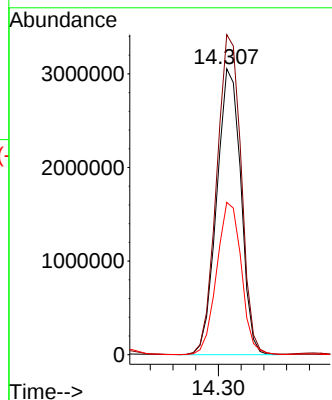
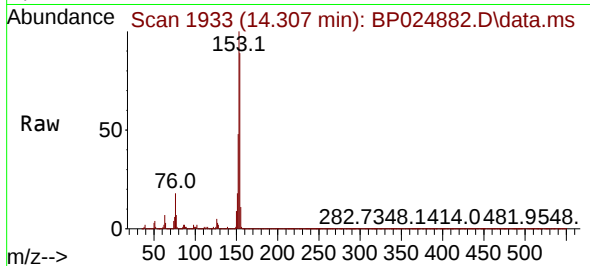




#52
Acenaphthene
Concen: 93.247 ng
RT: 14.307 min Scan# 1933
Delta R.T. -0.006 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

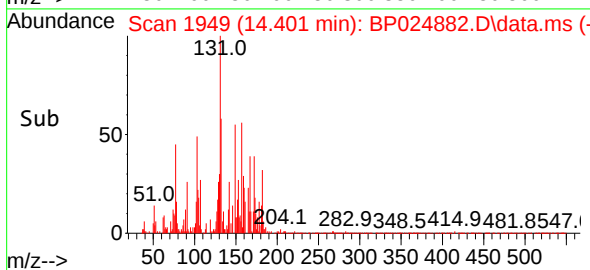
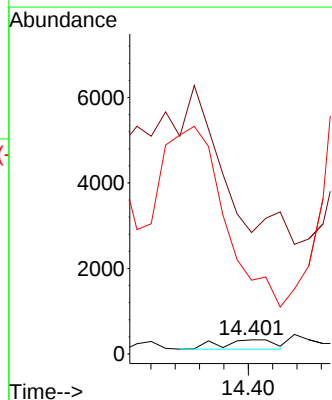
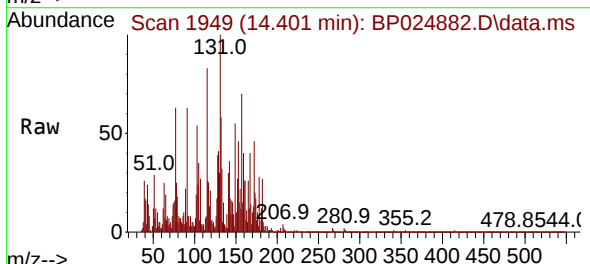
Instrument :
BNA_P
ClientSampleId :
MW-14-20250604

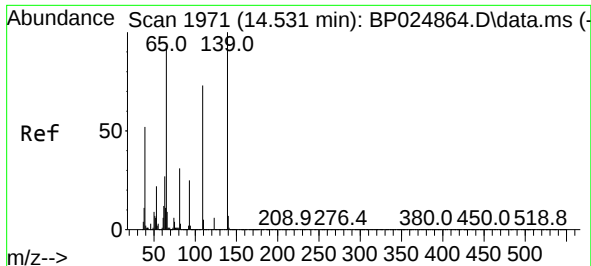
Tgt Ion:154 Resp: 4504868
Ion Ratio Lower Upper
154 100
153 111.9 90.5 135.7
152 53.3 42.1 63.1



#54
2,4-Dinitrophenol
Concen: 5.596 ng
RT: 14.401 min Scan# 1949
Delta R.T. 0.006 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

Tgt Ion:184 Resp: 333
Ion Ratio Lower Upper
184 100
63 863.8 51.0 76.4#
154 524.9 51.7 77.5#

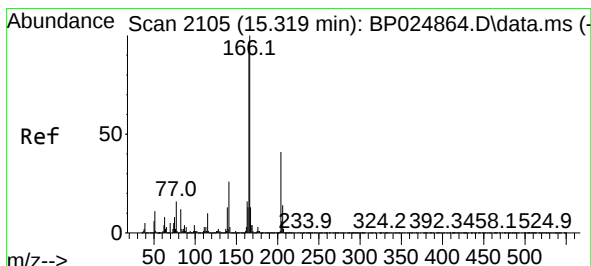
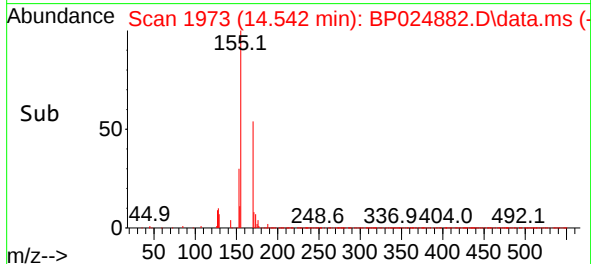
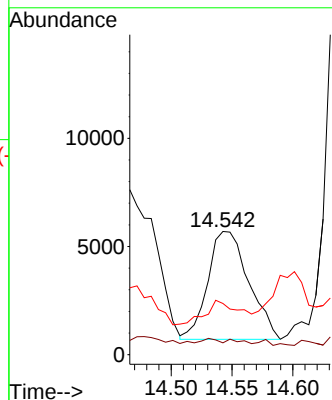
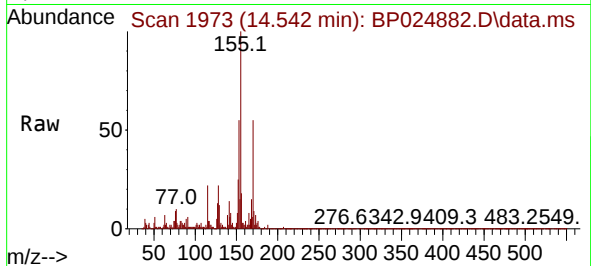




#56
4-Nitrophenol
Concen: 6.269 ng
RT: 14.542 min Scan# 1973
Delta R.T. 0.011 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

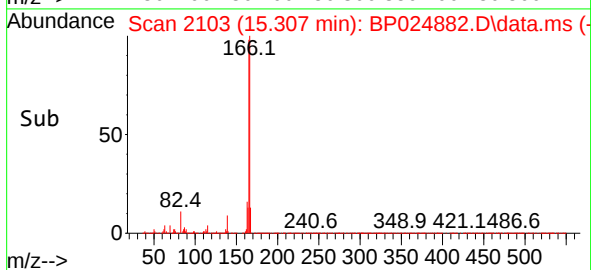
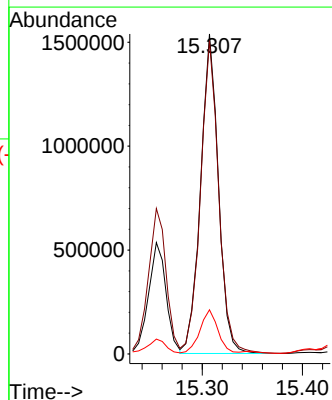
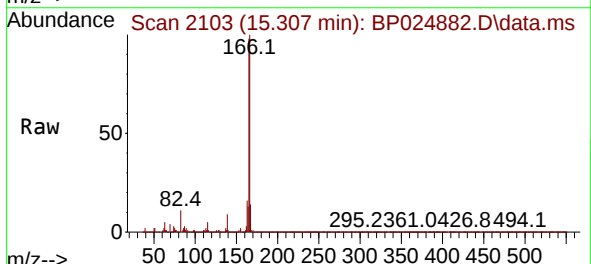
Instrument :
BNA_P
ClientSampleId :
MW-14-20250604

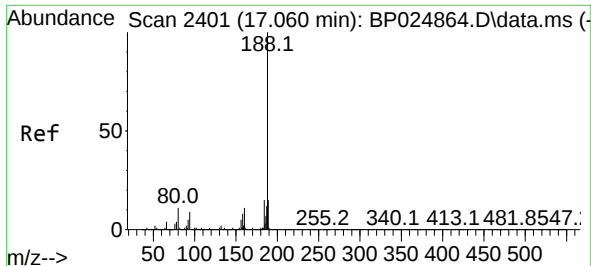
Tgt Ion:139 Resp: 11670
Ion Ratio Lower Upper
139 100
109 9.6 53.1 93.1#
65 41.6 73.0 113.0#



#58
Fluorene
Concen: 30.486 ng
RT: 15.307 min Scan# 2103
Delta R.T. -0.012 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

Tgt Ion:166 Resp: 1909785
Ion Ratio Lower Upper
166 100
165 97.9 77.7 116.5
167 13.8 10.6 16.0

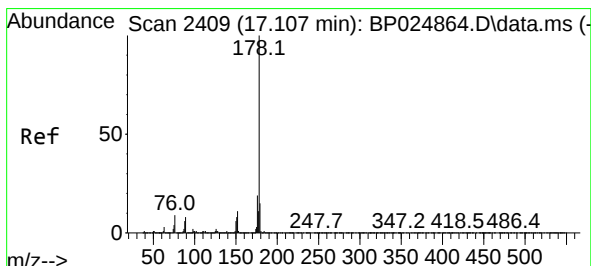
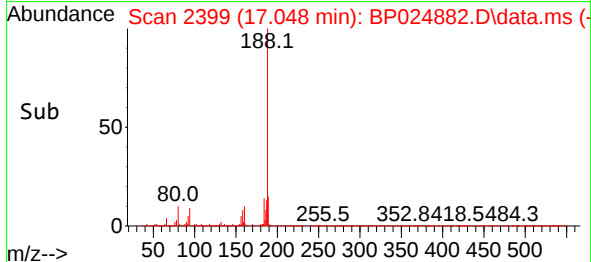
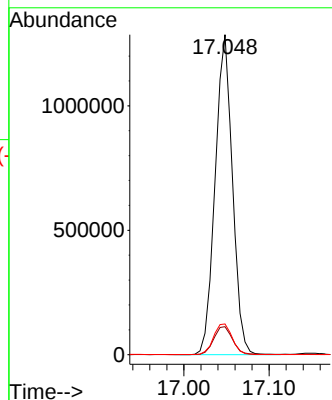
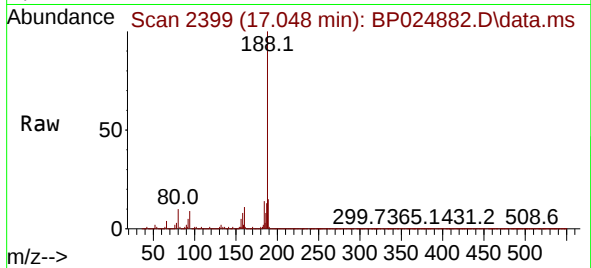




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.048 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

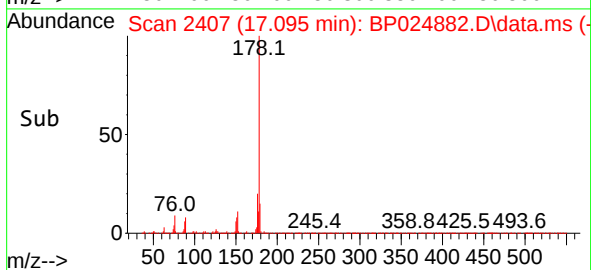
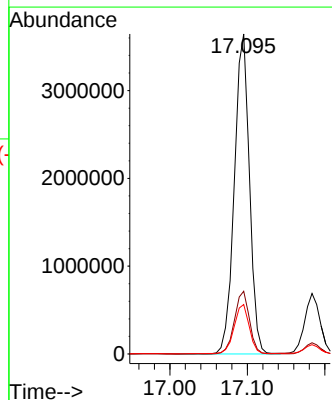
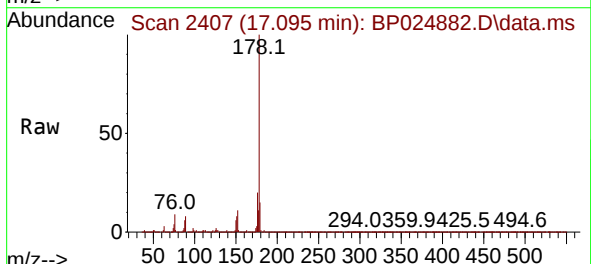
Instrument :
BNA_P
ClientSampleId :
MW-14-20250604

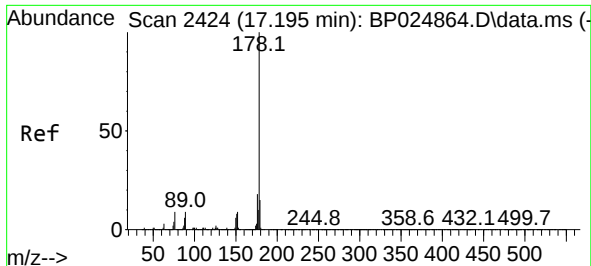
Tgt Ion:188 Resp: 1818071
Ion Ratio Lower Upper
188 100
94 8.8 7.3 10.9
80 9.6 8.5 12.7



#71
Phenanthrene
Concen: 49.169 ng
RT: 17.095 min Scan# 2407
Delta R.T. -0.012 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

Tgt Ion:178 Resp: 4939966
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 15.5 12.1 18.1

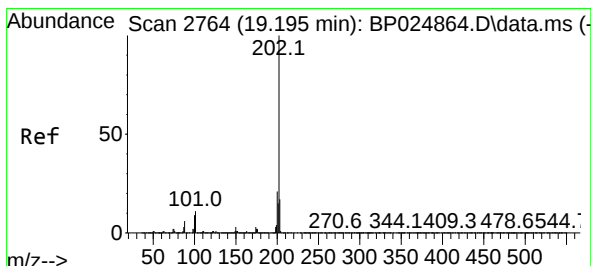
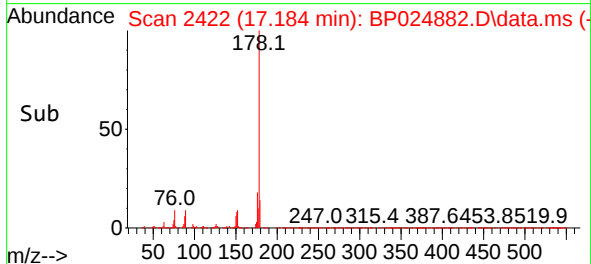
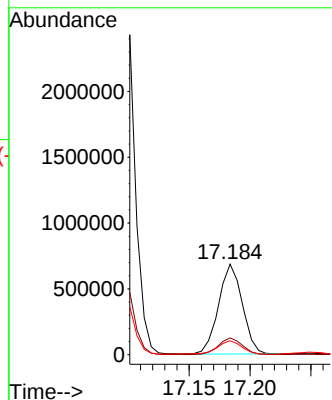
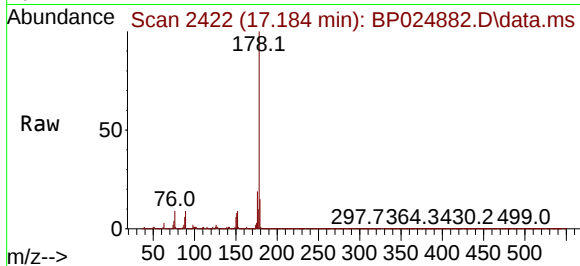




#72
 Anthracene
 Concen: 9.124 ng
 RT: 17.184 min Scan# 24
 Delta R.T. -0.012 min
 Lab File: BP024882.D
 Acq: 09 Jun 2025 18:16

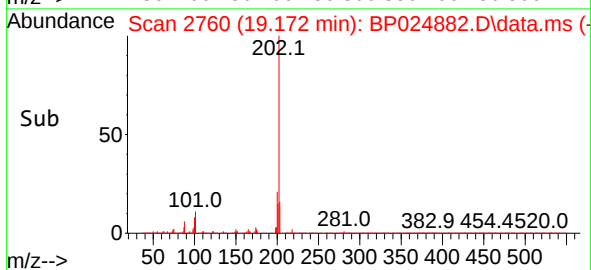
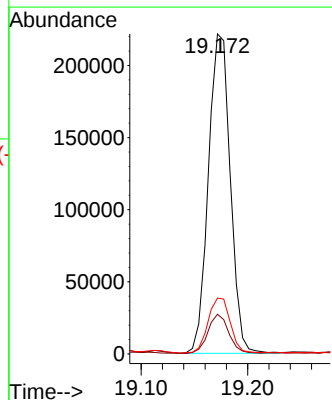
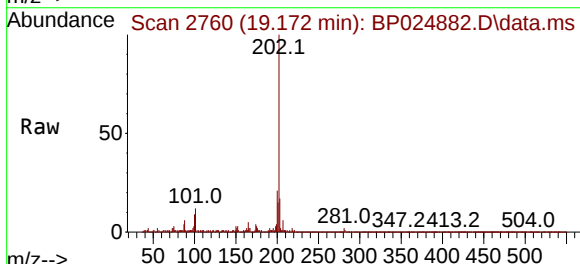
Instrument :
 BNA_P
 ClientSampleId :
 MW-14-20250604

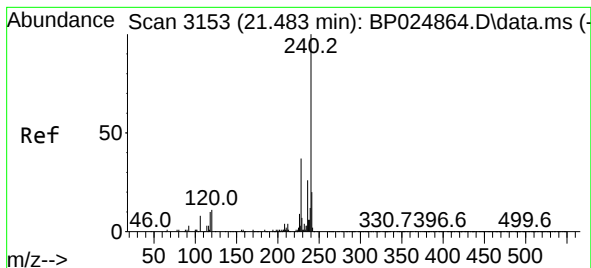
Tgt Ion:178 Resp: 928421
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.7 22.1
 179 15.4 12.3 18.5



#75
 Fluoranthene
 Concen: 2.721 ng
 RT: 19.172 min Scan# 2760
 Delta R.T. -0.024 min
 Lab File: BP024882.D
 Acq: 09 Jun 2025 18:16

Tgt Ion:202 Resp: 316872
 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 31.4
 203 17.4 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.466 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP024882.D

Acq: 09 Jun 2025 18:16

Instrument :

BNA_P

ClientSampleId :

MW-14-20250604

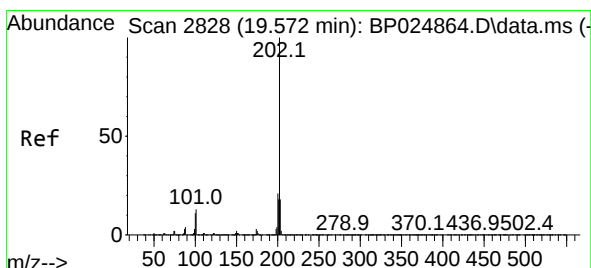
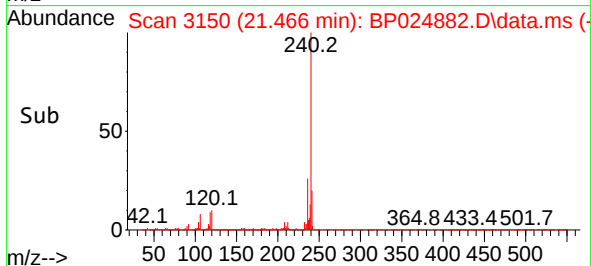
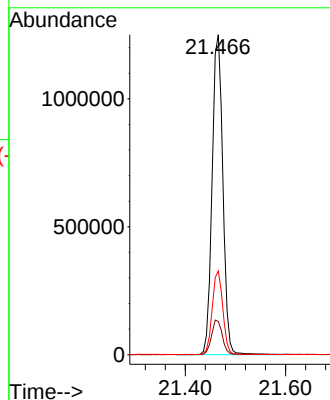
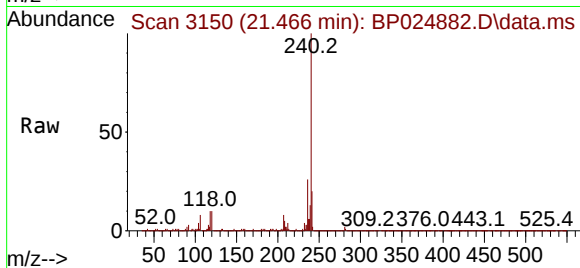
Tgt Ion:240 Resp: 1856594

Ion Ratio Lower Upper

240 100

120 10.4 8.9 13.3

236 26.1 20.9 31.3



#78

Pyrene

Concen: 5.374 ng

RT: 19.554 min Scan# 2825

Delta R.T. -0.018 min

Lab File: BP024882.D

Acq: 09 Jun 2025 18:16

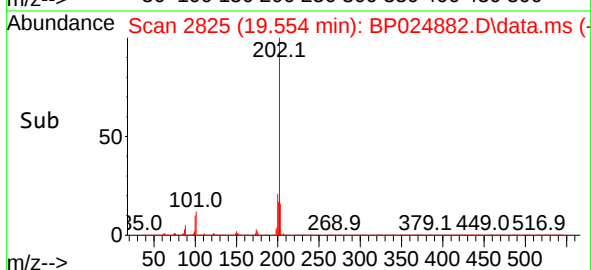
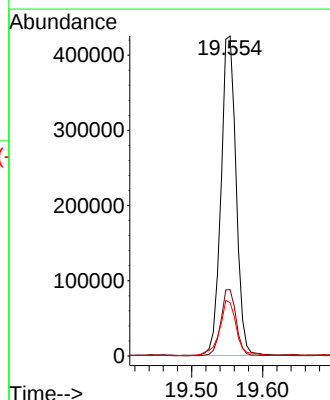
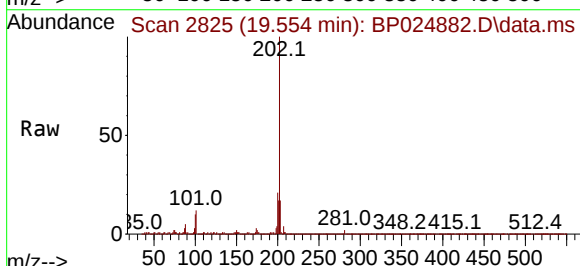
Tgt Ion:202 Resp: 623310

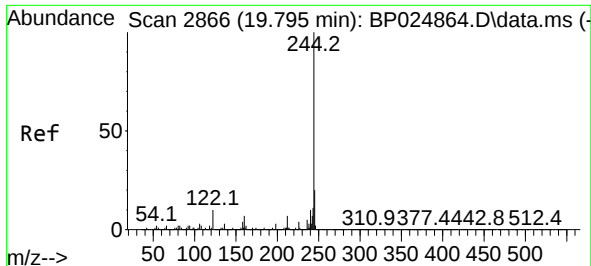
Ion Ratio Lower Upper

202 100

200 20.7 17.1 25.7

203 16.6 14.0 21.0

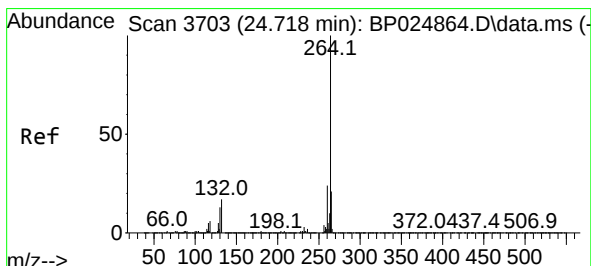
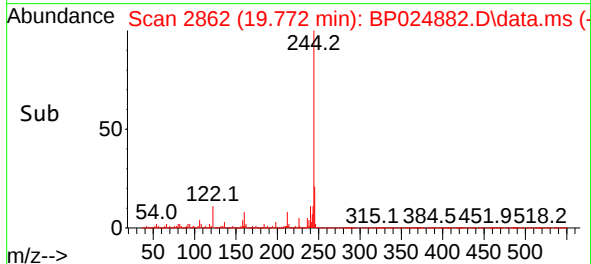
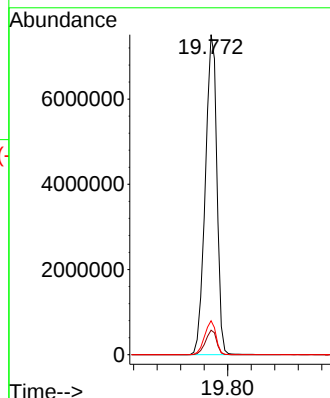
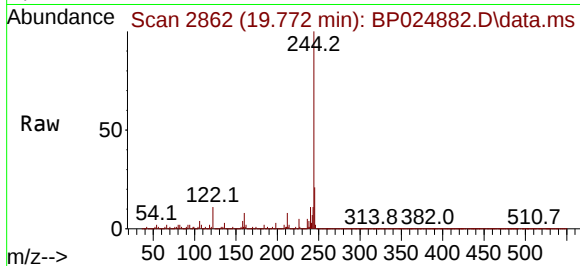




#79
 Terphenyl-d14
 Concen: 99.378 ng
 RT: 19.772 min Scan# 21
 Delta R.T. -0.024 min
 Lab File: BP024882.D
 Acq: 09 Jun 2025 18:16

Instrument :
 BNA_P
 ClientSampleId :
 MW-14-20250604

Tgt Ion:244 Resp:10294543
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.6 8.4
 122 10.6 7.7 11.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.707 min Scan# 3701
 Delta R.T. -0.012 min
 Lab File: BP024882.D
 Acq: 09 Jun 2025 18:16

Tgt Ion:264 Resp: 1819039
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.0 28.4
 265 22.0 17.4 26.0

