

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
 Data File : BP024318.D
 Acq On : 16 Apr 2025 19:18
 Operator : RC/JU
 Sample : Q1762-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MW5

Quant Time: Apr 17 01:14:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 15 04:48:42 2025
 Response via : Initial Calibration

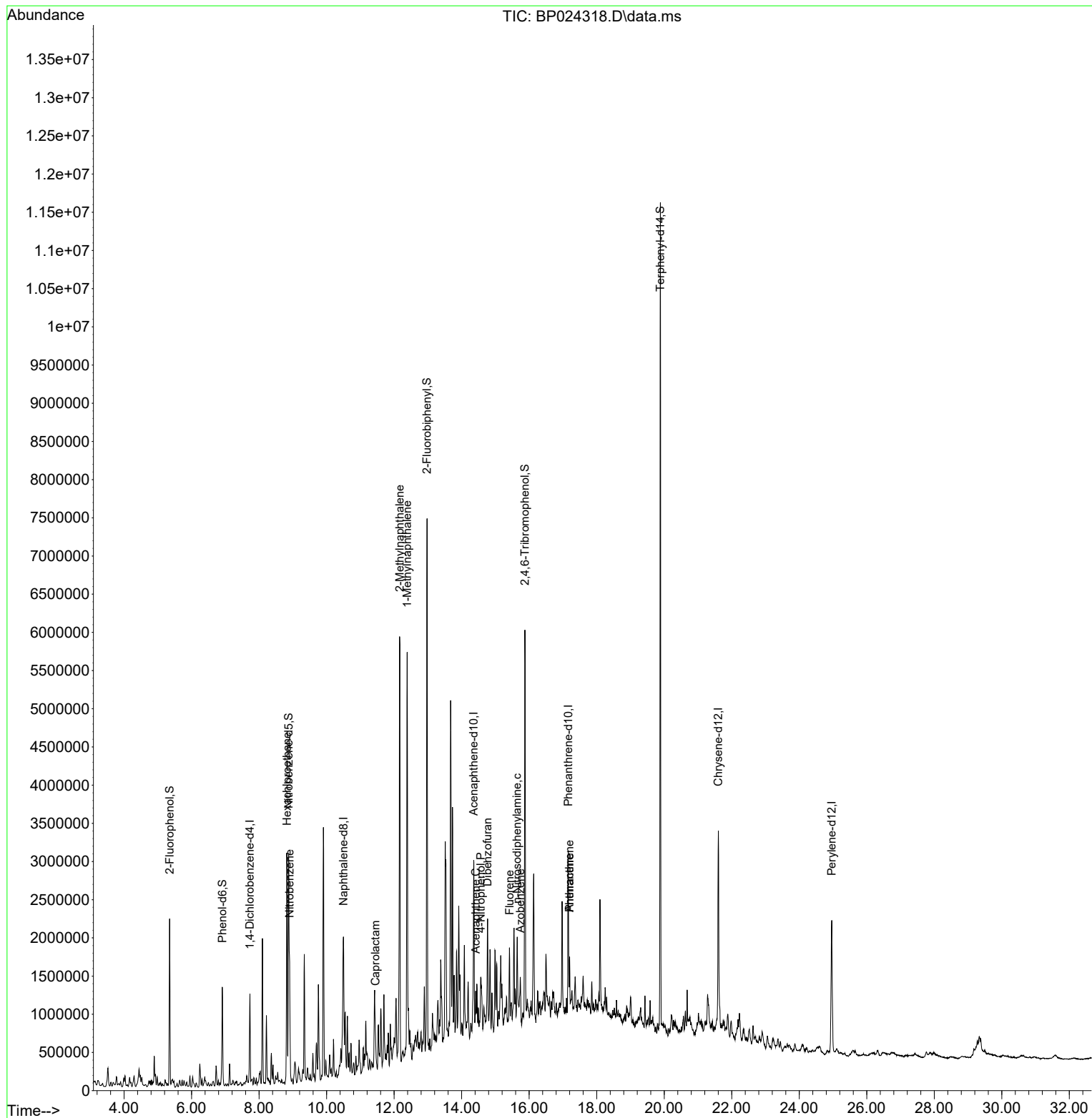
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	312256	20.000	ng	0.00
21) Naphthalene-d8	10.505	136	1204770	20.000	ng	0.00
39) Acenaphthene-d10	14.357	164	686283	20.000	ng	-0.01
64) Phenanthrene-d10	17.157	188	1252822	20.000	ng	-0.02
76) Chrysene-d12	21.604	240	1383650	20.000	ng	-0.02
86) Perylene-d12	24.963	264	1663367	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	1015710	53.784	ng	0.00
7) Phenol-d6	6.911	99	774027	29.933	ng	0.00
23) Nitrobenzene-d5	8.875	82	1695583	80.251	ng	0.00
42) 2,4,6-Tribromophenol	15.875	330	1130619	119.074	ng	-0.02
45) 2-Fluorobiphenyl	12.975	172	3679780	82.097	ng	0.00
79) Terphenyl-d14	19.886	244	5438798	79.230	ng	-0.04
Target Compounds						
18) Hexachloroethane	8.828	117	343358	41.253	ng	# 1
24) Nitrobenzene	8.905	77	58342	2.791	ng	# 7
35) Caprolactam	11.446	113	126267	19.541	ng	# 82
37) 2-Methylnaphthalene	12.163	142	2569461	58.380	ng	98
38) 1-Methylnaphthalene	12.387	142	2435278	56.560	ng	100
52) Acenaphthene	14.422	154	117841	3.131	ng	96
55) Dibenzofuran	14.763	168	133993	2.178	ng	# 47
56) 4-Nitrophenol	14.569	139	37022	3.849	ng	# 46
58) Fluorene	15.422	166	271424	5.700	ng	# 98
63) Azobenzene	15.740	77	119228	2.522	ng	# 1
66) n-Nitrosodiphenylamine	15.640	169	102596	2.744	ng	89
71) Phenanthrene	17.198	178	384708	5.629	ng	98
72) Anthracene	17.198	178	384708	5.840	ng	97

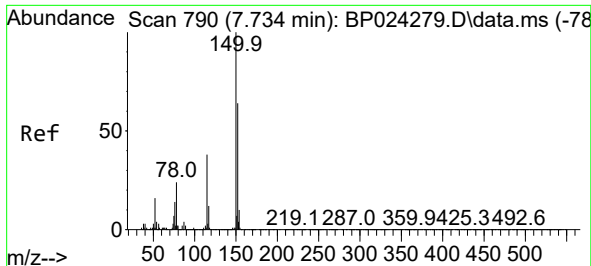
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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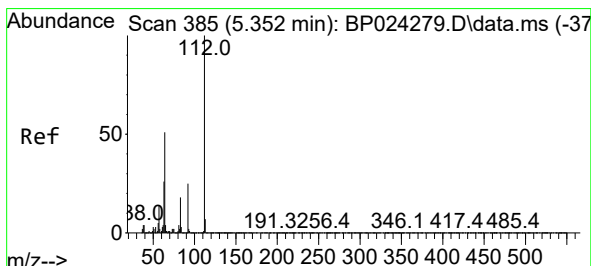
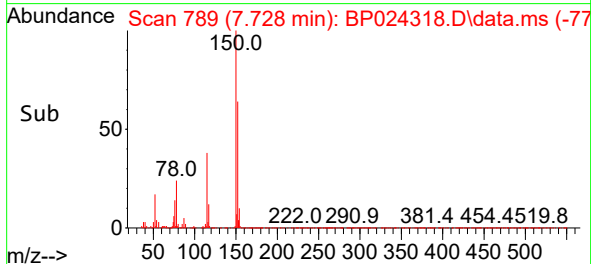
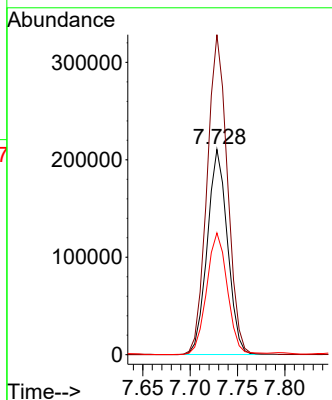
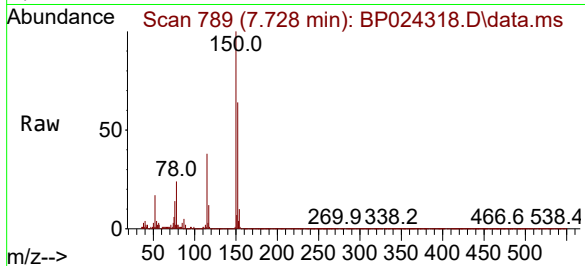




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 71
Delta R.T. 0.000 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

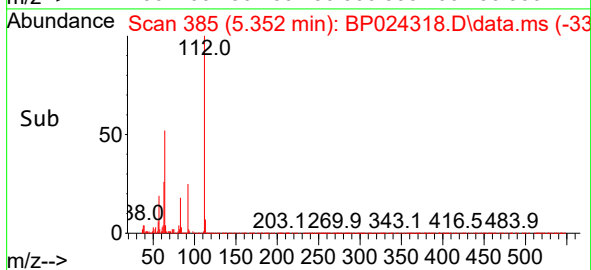
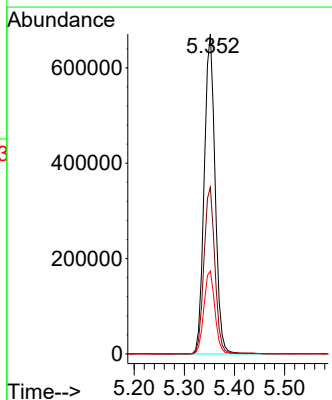
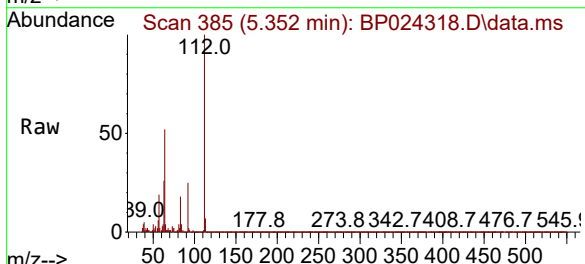
Instrument :
BNA_P
ClientSampleId :
MW5

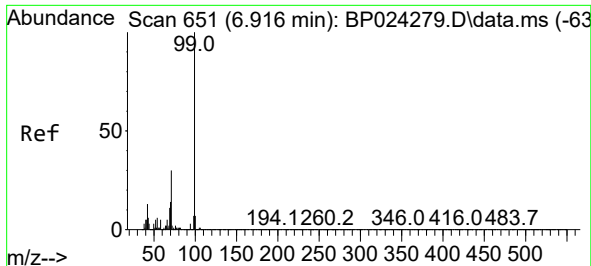
Tgt Ion:152 Resp: 312256
Ion Ratio Lower Upper
152 100
150 155.8 124.9 187.3
115 59.3 47.7 71.5



#5
2-Fluorophenol
Concen: 53.784 ng
RT: 5.352 min Scan# 385
Delta R.T. 0.000 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion:112 Resp: 1015710
Ion Ratio Lower Upper
112 100
64 52.1 41.1 61.7
63 25.9 20.6 30.8

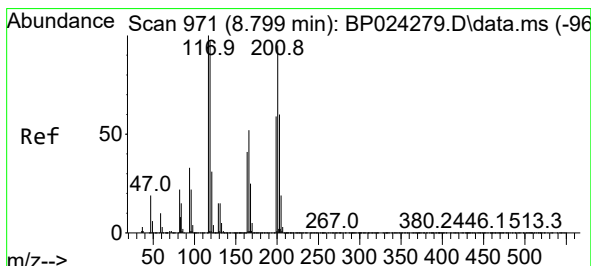
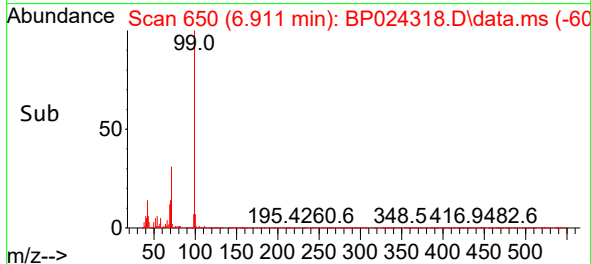
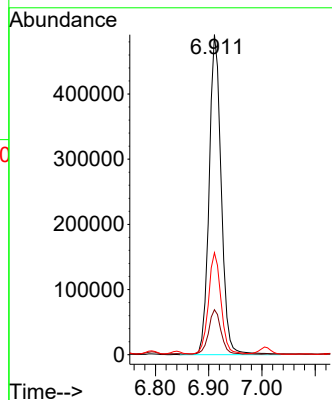
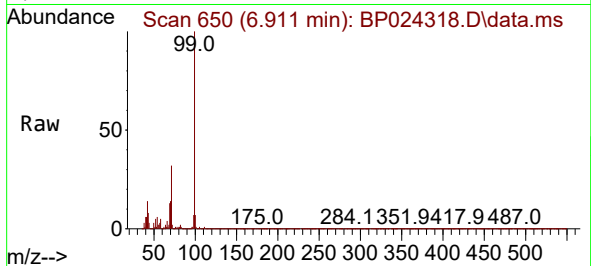




#7
Phenol-d6
Concen: 29.933 ng
RT: 6.911 min Scan# 611
Delta R.T. -0.005 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

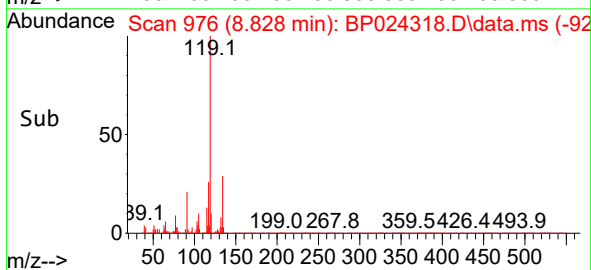
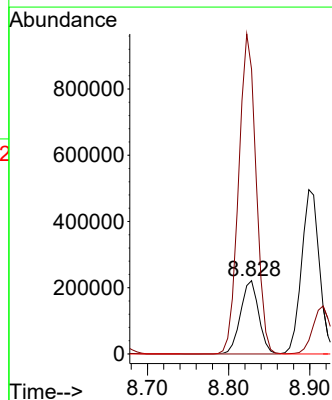
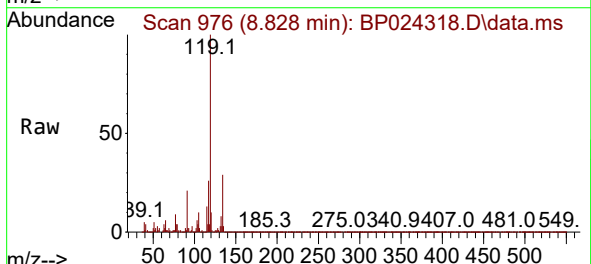
Instrument :
BNA_P
ClientSampleId :
MW5

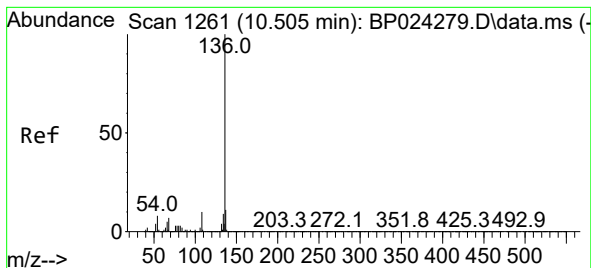
Tgt Ion: 99 Resp: 774027
Ion Ratio Lower Upper
99 100
42 14.1 10.6 16.0
71 31.8 23.7 35.5



#18
Hexachloroethane
Concen: 41.253 ng
RT: 8.828 min Scan# 976
Delta R.T. 0.030 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion: 117 Resp: 343358
Ion Ratio Lower Upper
117 100
119 388.7 77.8 116.6#
201 0.0 75.9 113.9#



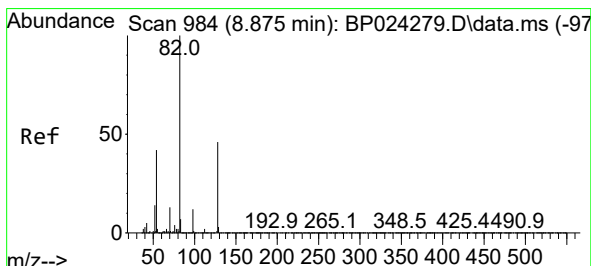
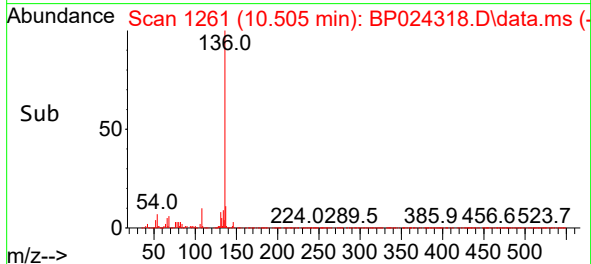
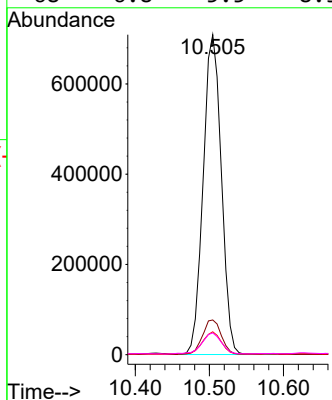
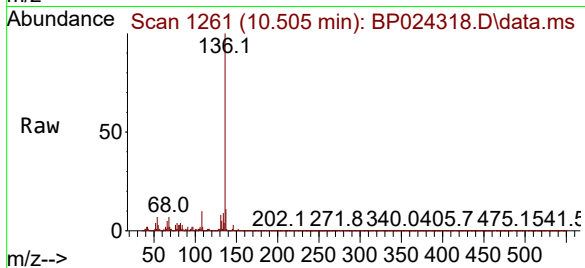


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.505 min Scan# 1261
Delta R.T. 0.000 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Instrument :
BNA_P
ClientSampleId :
MW5

Tgt Ion:136 Resp: 1204770

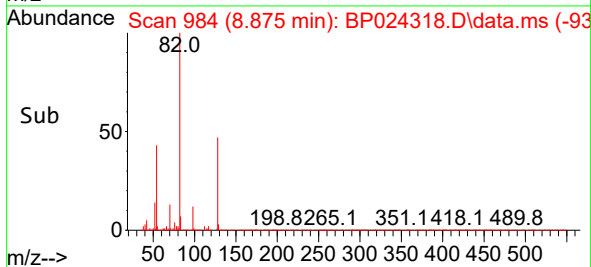
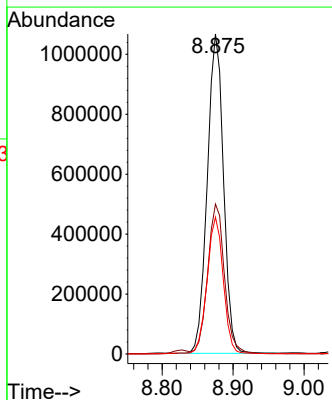
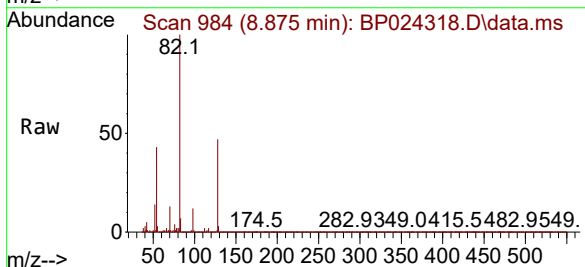
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	7.1	6.0	9.0
68	6.8	5.5	8.3

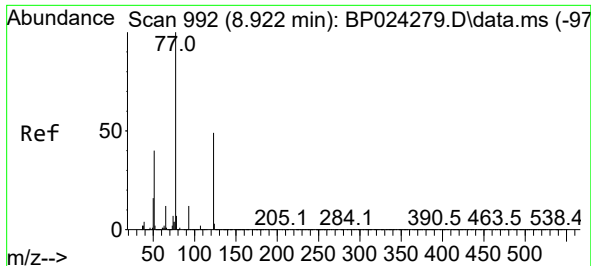


#23
Nitrobenzene-d5
Concen: 80.251 ng
RT: 8.875 min Scan# 984
Delta R.T. -0.006 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion: 82 Resp: 1695583

Ion	Ratio	Lower	Upper
82	100		
128	46.8	36.5	54.7
54	42.7	33.4	50.2

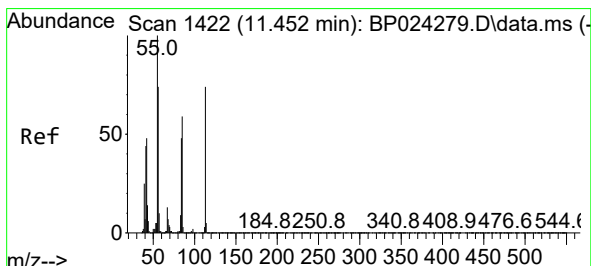
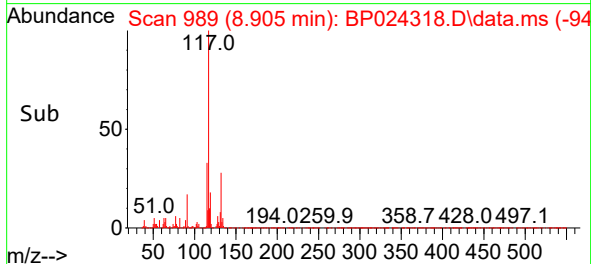
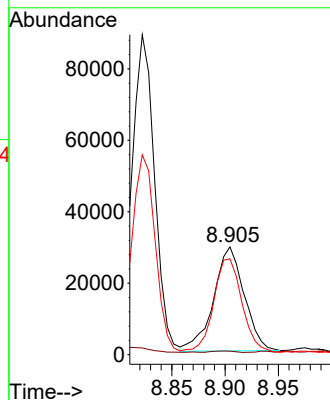
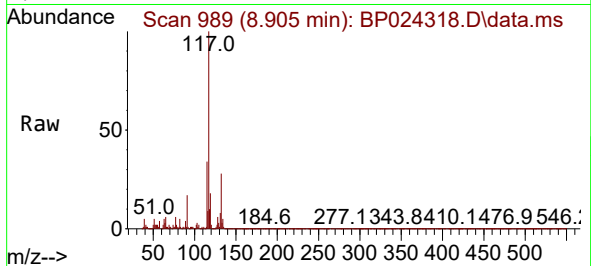




#24
Nitrobenzene
Concen: 2.791 ng
RT: 8.905 min Scan# 91
Delta R.T. -0.018 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

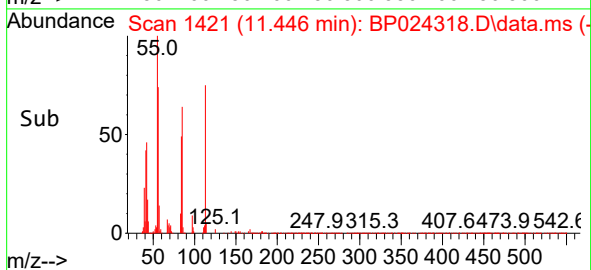
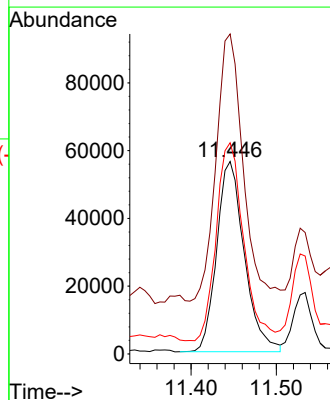
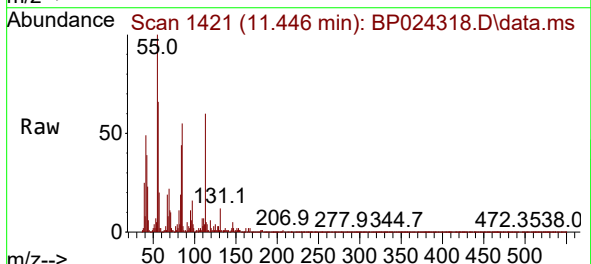
Instrument :
BNA_P
ClientSampleId :
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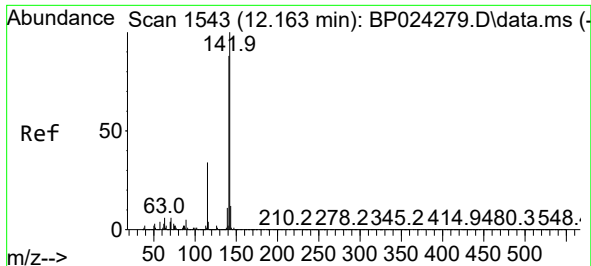
Tgt Ion: 77 Resp: 58342
Ion Ratio Lower Upper
77 100
123 3.2 39.2 58.8#
65 88.8 9.8 14.6#



#35
Caprolactam
Concen: 19.541 ng
RT: 11.446 min Scan# 1421
Delta R.T. -0.035 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion: 113 Resp: 126267
Ion Ratio Lower Upper
113 100
55 166.2 115.9 155.9#
56 109.7 81.1 121.1

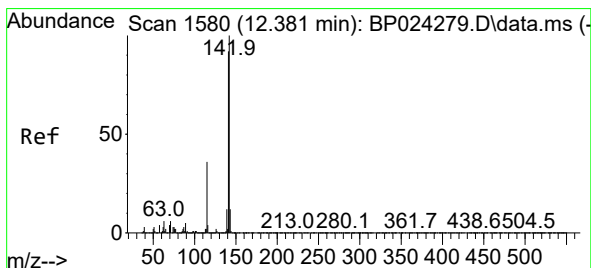
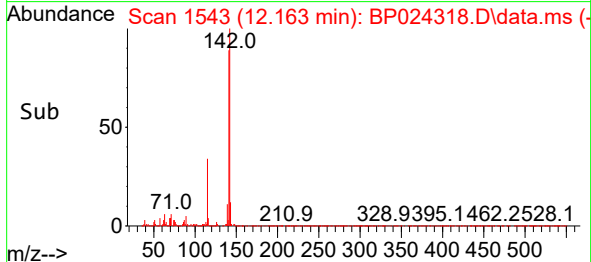
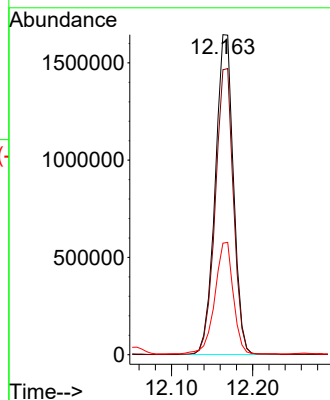
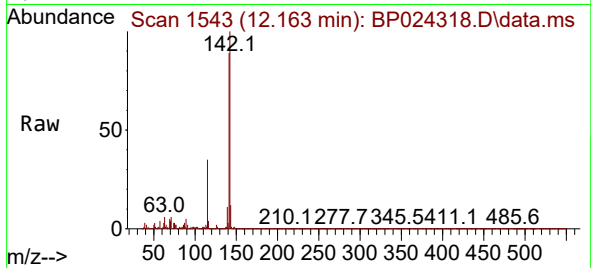




#37
2-Methylnaphthalene
Concen: 58.380 ng
RT: 12.163 min Scan# 1543
Delta R.T. -0.006 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

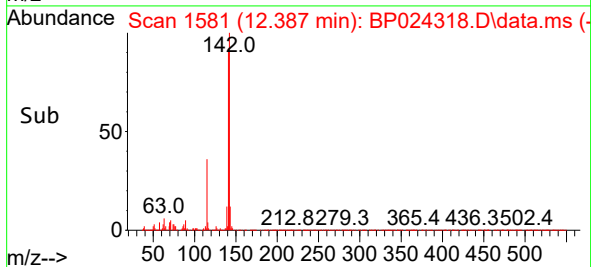
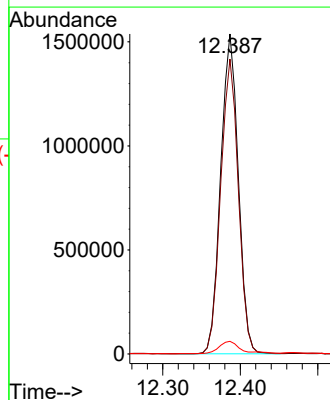
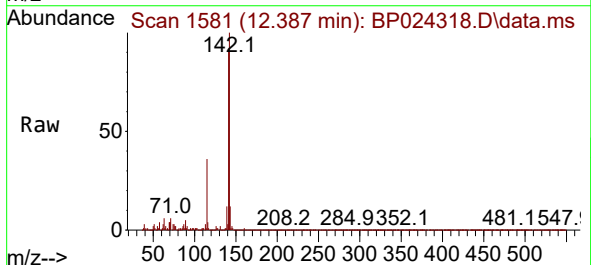
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ClientSampleId :
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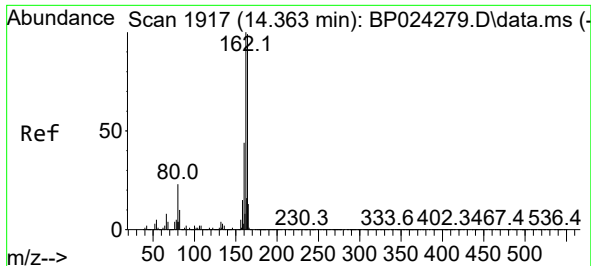
Tgt Ion:142 Resp: 2569461
Ion Ratio Lower Upper
142 100
141 89.1 70.3 105.5
115 34.9 26.9 40.3



#38
1-Methylnaphthalene
Concen: 56.560 ng
RT: 12.387 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion:142 Resp: 2435278
Ion Ratio Lower Upper
142 100
141 92.1 73.6 110.4
116 4.0 3.0 4.6

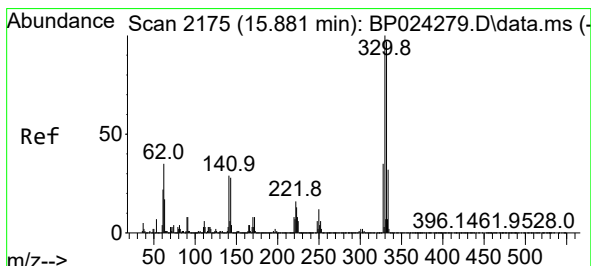
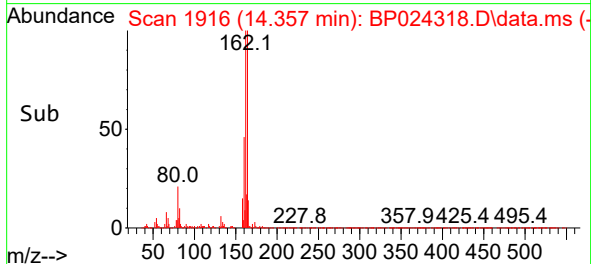
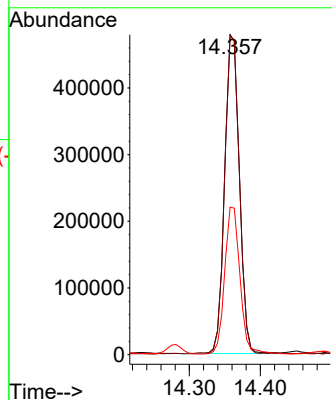
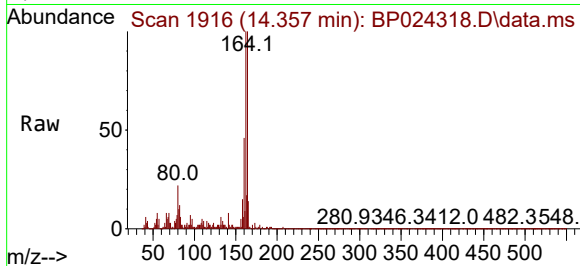




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.357 min Scan# 1916
Delta R.T. -0.012 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

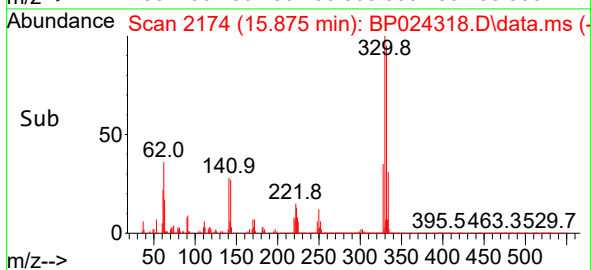
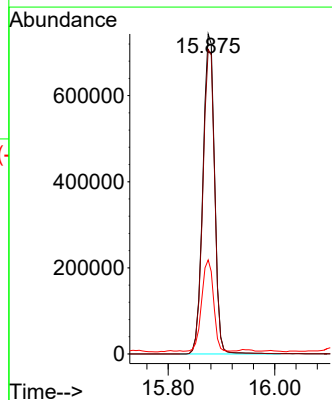
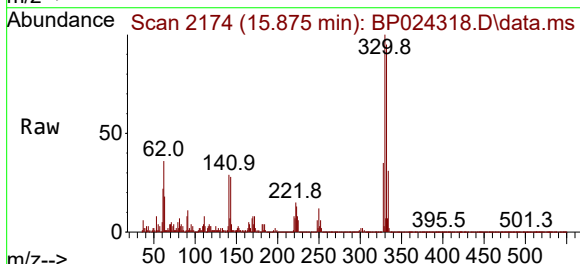
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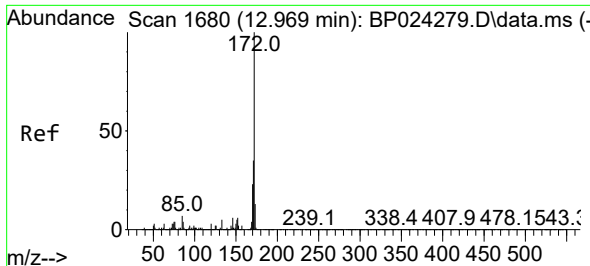
Tgt Ion:164 Resp: 686283
Ion Ratio Lower Upper
164 100
162 99.8 80.6 120.8
160 46.1 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 119.074 ng
RT: 15.875 min Scan# 2174
Delta R.T. -0.018 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion:330 Resp: 1130619
Ion Ratio Lower Upper
330 100
332 96.3 77.1 115.7
141 28.7 24.7 37.1

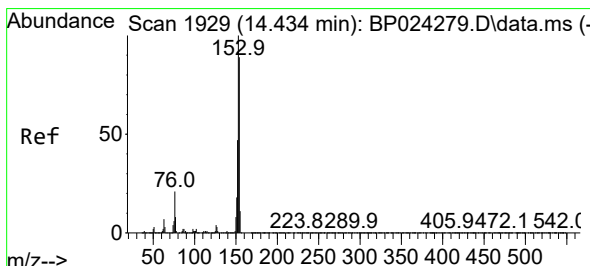
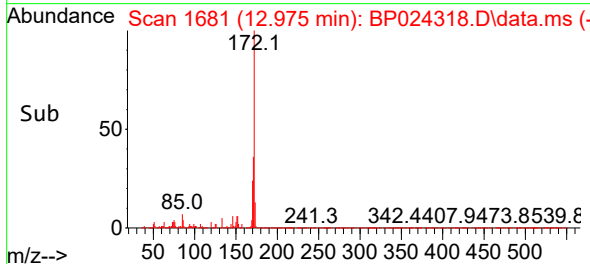
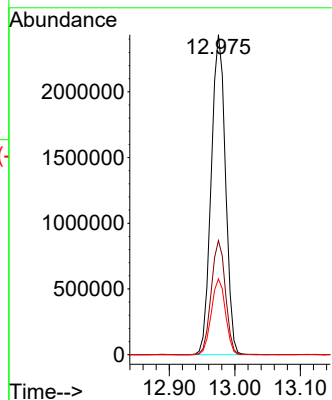
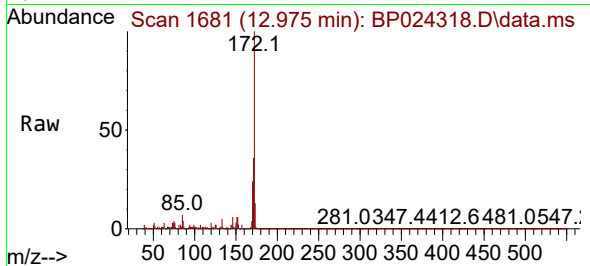




#45
2-Fluorobiphenyl
Concen: 82.097 ng
RT: 12.975 min Scan# 1681
Delta R.T. -0.006 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

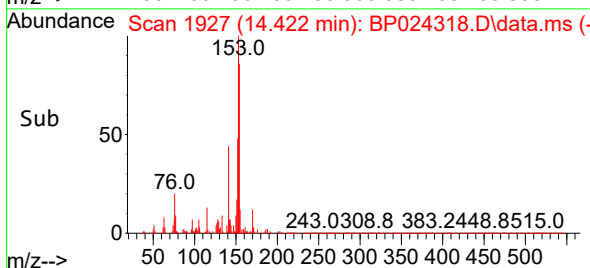
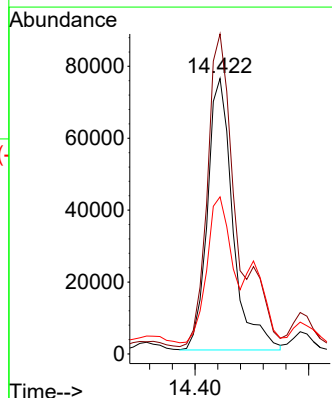
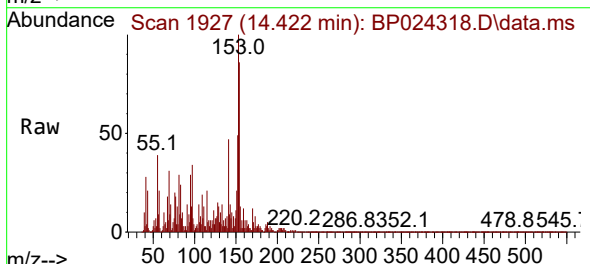
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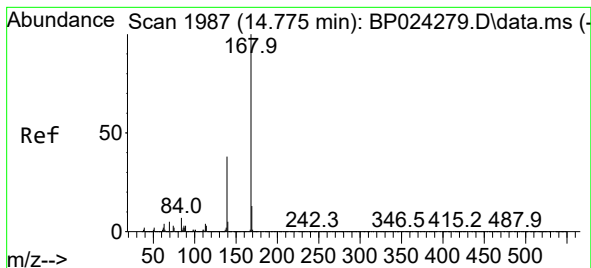
Tgt Ion:172 Resp: 3679780
Ion Ratio Lower Upper
172 100
171 35.7 28.2 42.2
170 23.7 18.6 27.8



#52
Acenaphthene
Concen: 3.131 ng
RT: 14.422 min Scan# 1927
Delta R.T. -0.018 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion:154 Resp: 117841
Ion Ratio Lower Upper
154 100
153 116.1 89.8 134.6
152 57.0 42.6 63.8





#55

Dibenzofuran

Concen: 2.178 ng

RT: 14.763 min Scan# 1985

Delta R.T. -0.018 min

Lab File: BP024318.D

Acq: 16 Apr 2025 19:18

Instrument :

BNA_P

ClientSampleId :

MW5

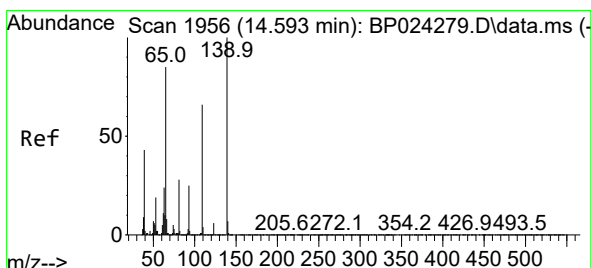
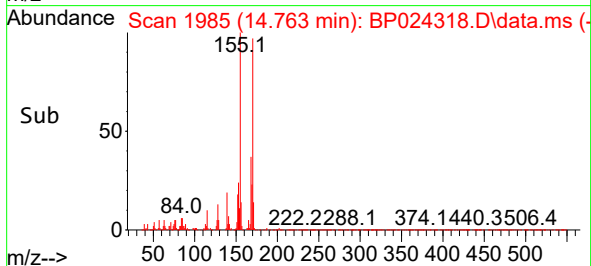
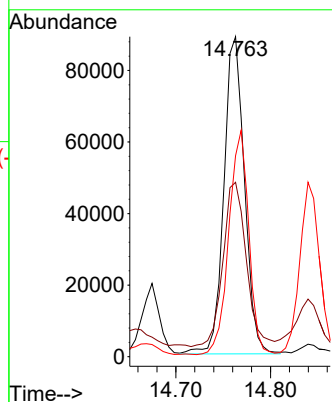
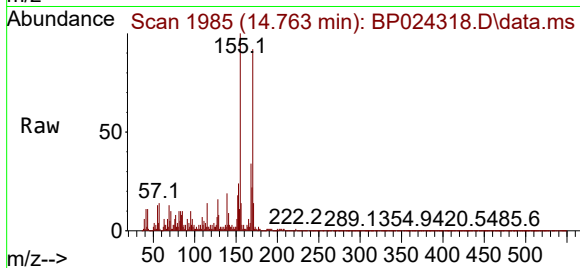
Tgt Ion:168 Resp: 133993

Ion Ratio Lower Upper

168 100

139 54.5 30.3 45.5#

169 62.8 10.6 16.0#



#56

4-Nitrophenol

Concen: 3.849 ng

RT: 14.569 min Scan# 1952

Delta R.T. -0.035 min

Lab File: BP024318.D

Acq: 16 Apr 2025 19:18

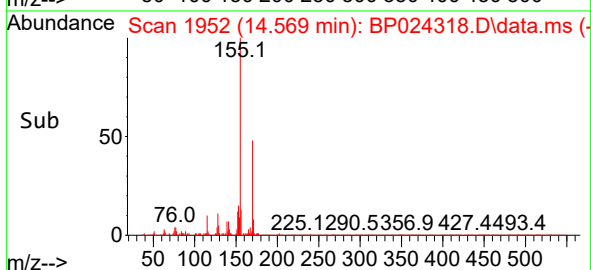
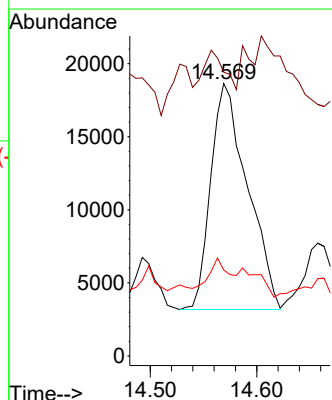
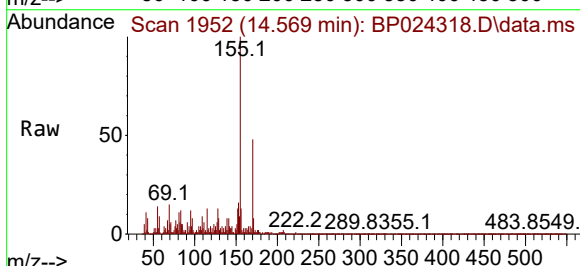
Tgt Ion:139 Resp: 37022

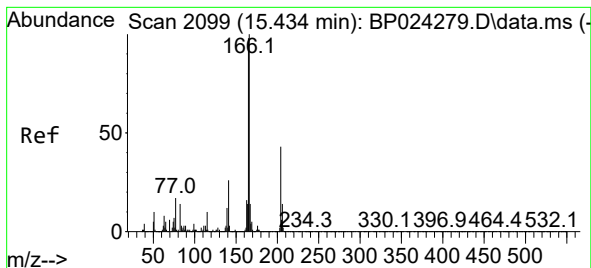
Ion Ratio Lower Upper

139 100

109 104.1 46.1 86.1#

65 31.6 65.0 105.0#





#58

Fluorene

Concen: 5.700 ng

RT: 15.422 min Scan# 2099

Delta R.T. -0.018 min

Lab File: BP024318.D

Acq: 16 Apr 2025 19:18

Instrument :

BNA_P

ClientSampleId :

MW5

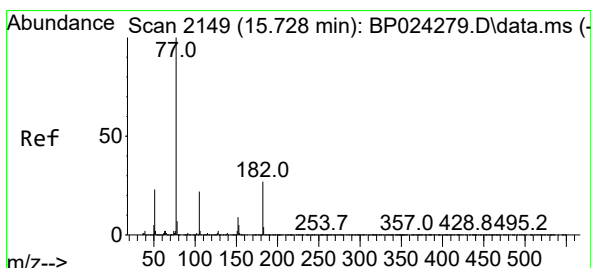
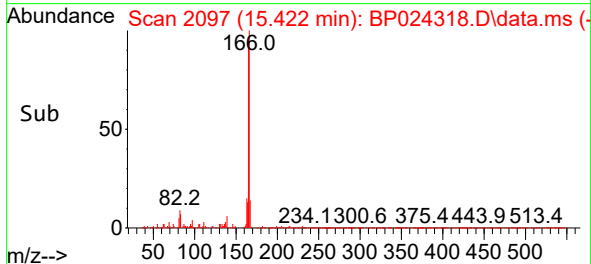
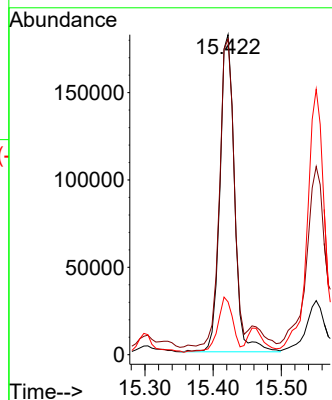
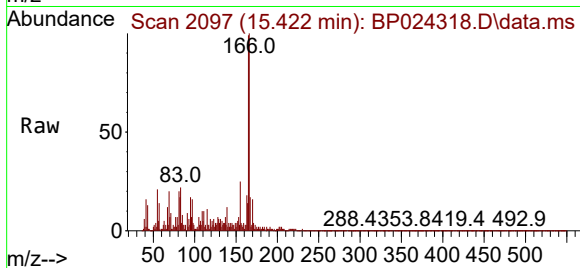
Tgt Ion:166 Resp: 271424

Ion Ratio Lower Upper

166 100

165 98.6 78.1 117.1

167 16.5 10.9 16.3#



#63

Azobenzene

Concen: 2.522 ng

RT: 15.740 min Scan# 2151

Delta R.T. 0.000 min

Lab File: BP024318.D

Acq: 16 Apr 2025 19:18

Tgt Ion: 77 Resp: 119228

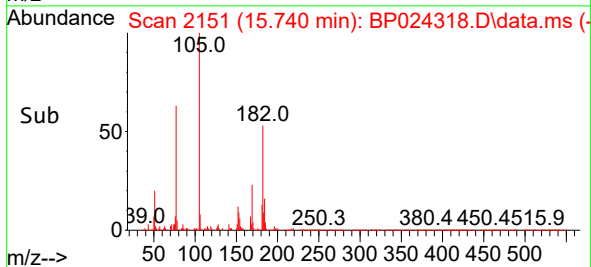
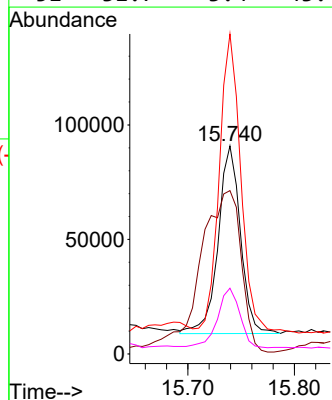
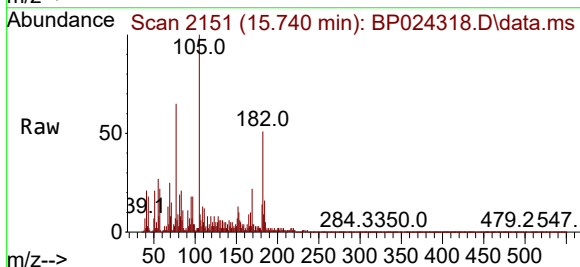
Ion Ratio Lower Upper

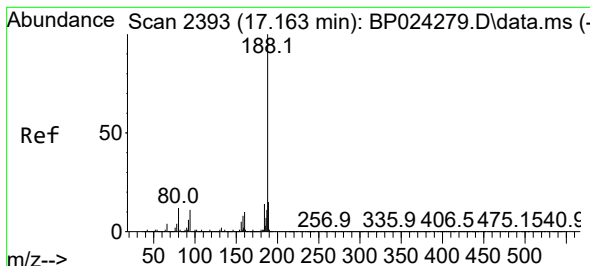
77 100

182 78.5 7.3 47.3#

105 153.8 2.3 42.3#

51 31.7 3.4 43.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.157 min Scan# 21

Delta R.T. -0.023 min

Lab File: BP024318.D

Acq: 16 Apr 2025 19:18

Instrument :

BNA_P

ClientSampleId :

MW5

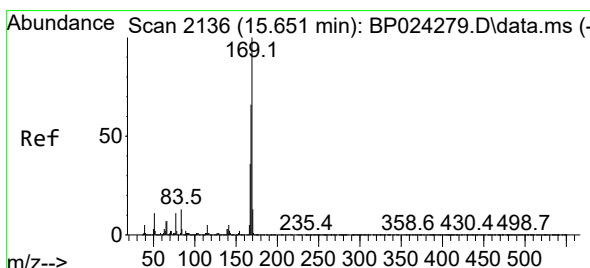
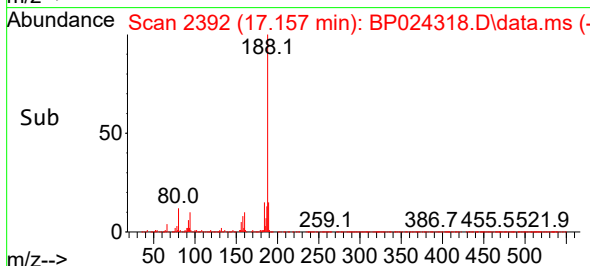
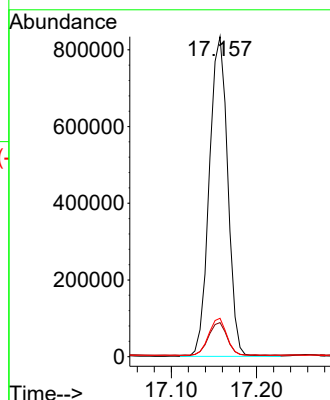
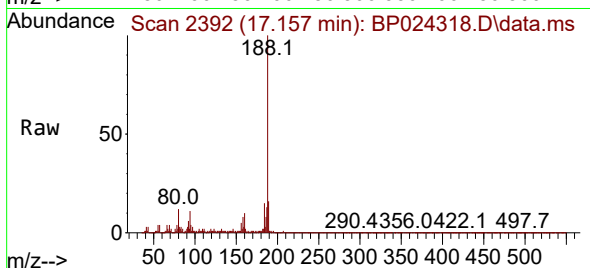
Tgt Ion:188 Resp: 1252822

Ion Ratio Lower Upper

188 100

94 10.6 8.6 13.0

80 12.0 9.8 14.6



#66

n-Nitrosodiphenylamine

Concen: 2.744 ng

RT: 15.640 min Scan# 2134

Delta R.T. -0.018 min

Lab File: BP024318.D

Acq: 16 Apr 2025 19:18

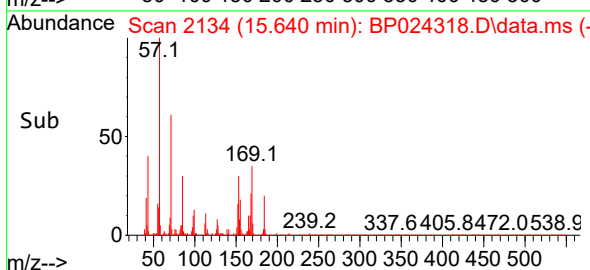
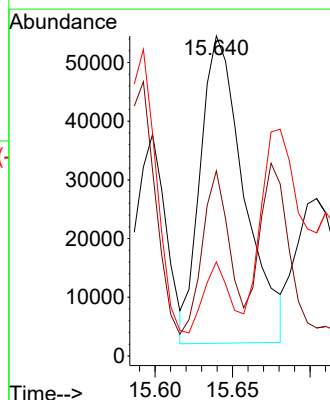
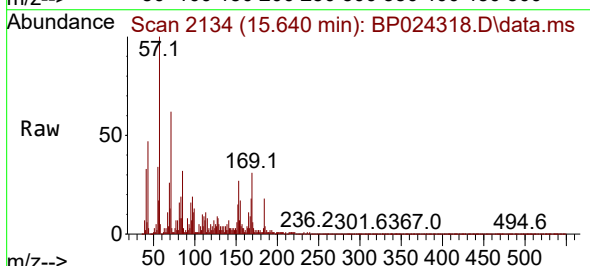
Tgt Ion:169 Resp: 102596

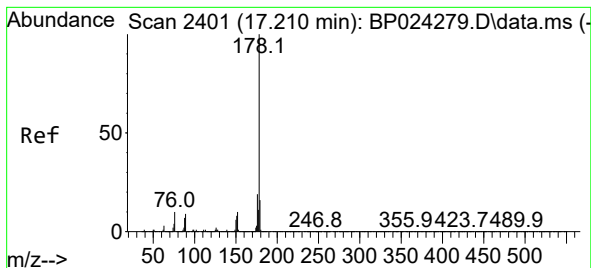
Ion Ratio Lower Upper

169 100

168 57.8 53.0 79.4

167 29.4 28.9 43.3





#71

Phenanthrene

Concen: 5.629 ng

RT: 17.198 min Scan# 21

Delta R.T. -0.029 min

Lab File: BP024318.D

Acq: 16 Apr 2025 19:18

Instrument :

BNA_P

ClientSampleId :

MW5

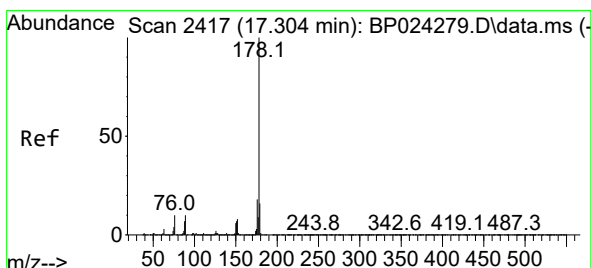
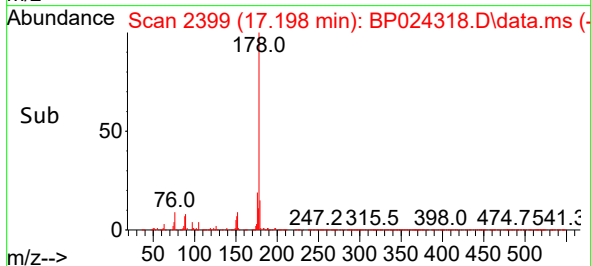
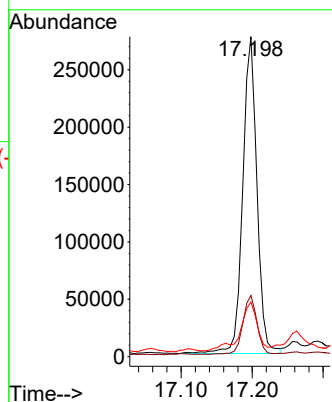
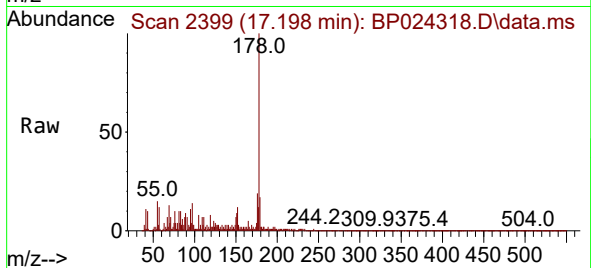
Tgt Ion:178 Resp: 384708

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.0

179 17.1 12.5 18.7



#72

Anthracene

Concen: 5.840 ng

RT: 17.198 min Scan# 2399

Delta R.T. -0.117 min

Lab File: BP024318.D

Acq: 16 Apr 2025 19:18

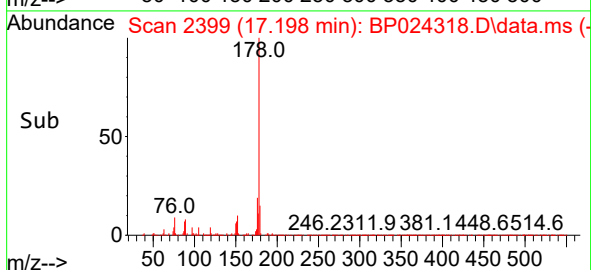
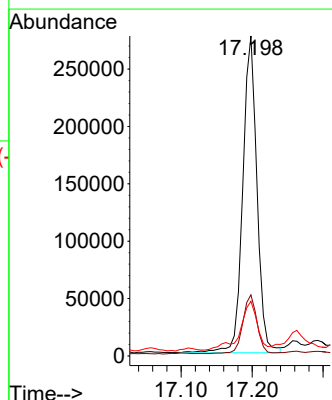
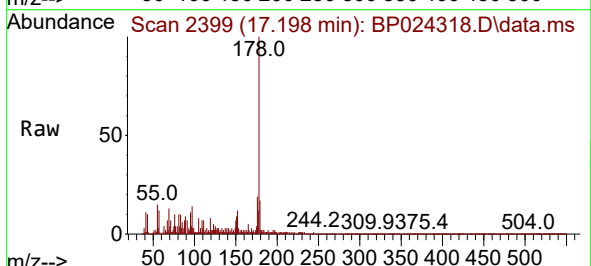
Tgt Ion:178 Resp: 384708

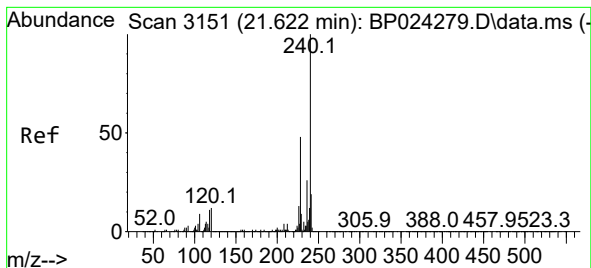
Ion Ratio Lower Upper

178 100

176 19.1 14.7 22.1

179 17.1 12.4 18.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.604 min Scan# 3151

Delta R.T. -0.017 min

Lab File: BP024318.D

Acq: 16 Apr 2025 19:18

Instrument :

BNA_P

ClientSampleId :

MW5

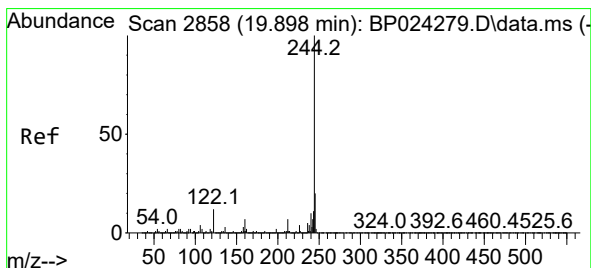
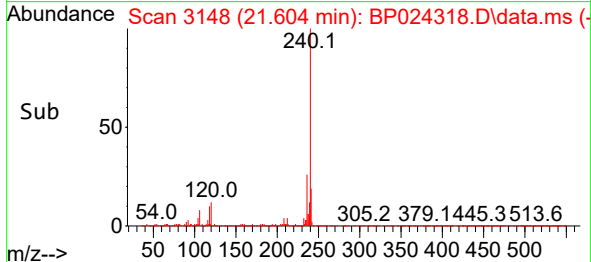
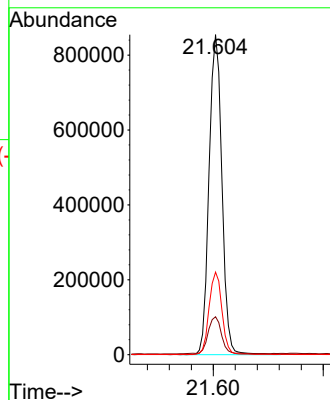
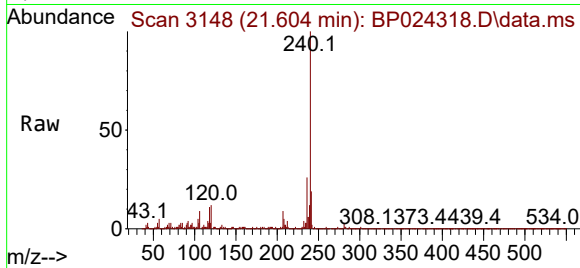
Tgt Ion:240 Resp: 1383650

Ion Ratio Lower Upper

240 100

120 11.9 9.8 14.8

236 25.8 20.9 31.3



#79

Terphenyl-d14

Concen: 79.230 ng

RT: 19.886 min Scan# 2856

Delta R.T. -0.035 min

Lab File: BP024318.D

Acq: 16 Apr 2025 19:18

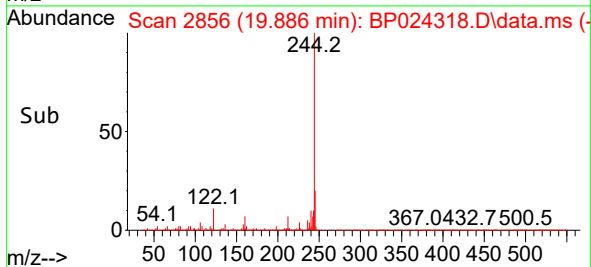
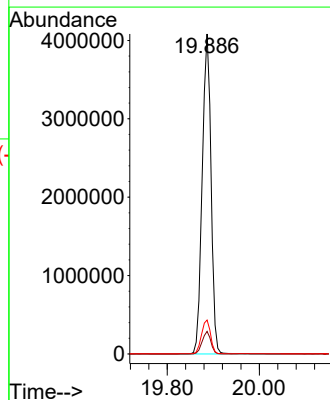
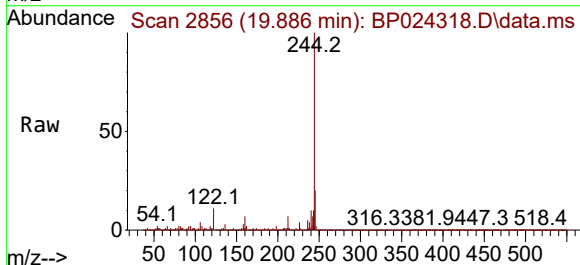
Tgt Ion:244 Resp: 5438798

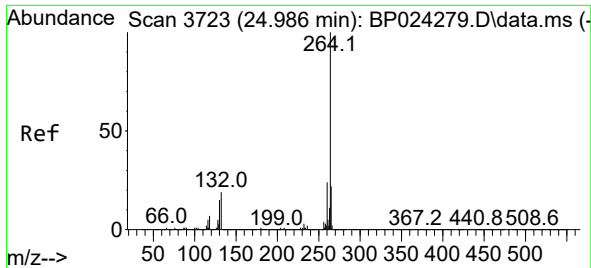
Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

122 10.6 9.4 14.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.963 min Scan# 31

Delta R.T. -0.023 min

Lab File: BP024318.D

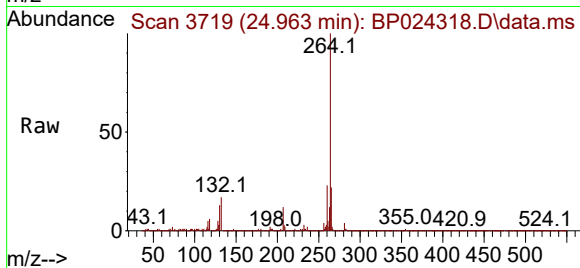
Acq: 16 Apr 2025 19:18

Instrument :

BNA_P

ClientSampleId :

MW5



Tgt Ion:264 Resp: 1663367

Ion Ratio Lower Upper

264 100

260 23.4 18.9 28.3

265 22.1 17.8 26.6

