

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
 Data File : BP024772.D
 Acq On : 23 May 2025 00:30
 Operator : RC/JU
 Sample : Q2078-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-A4-04-C

Quant Time: May 23 03:24:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 13 16:21:39 2025
 Response via : Initial Calibration

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

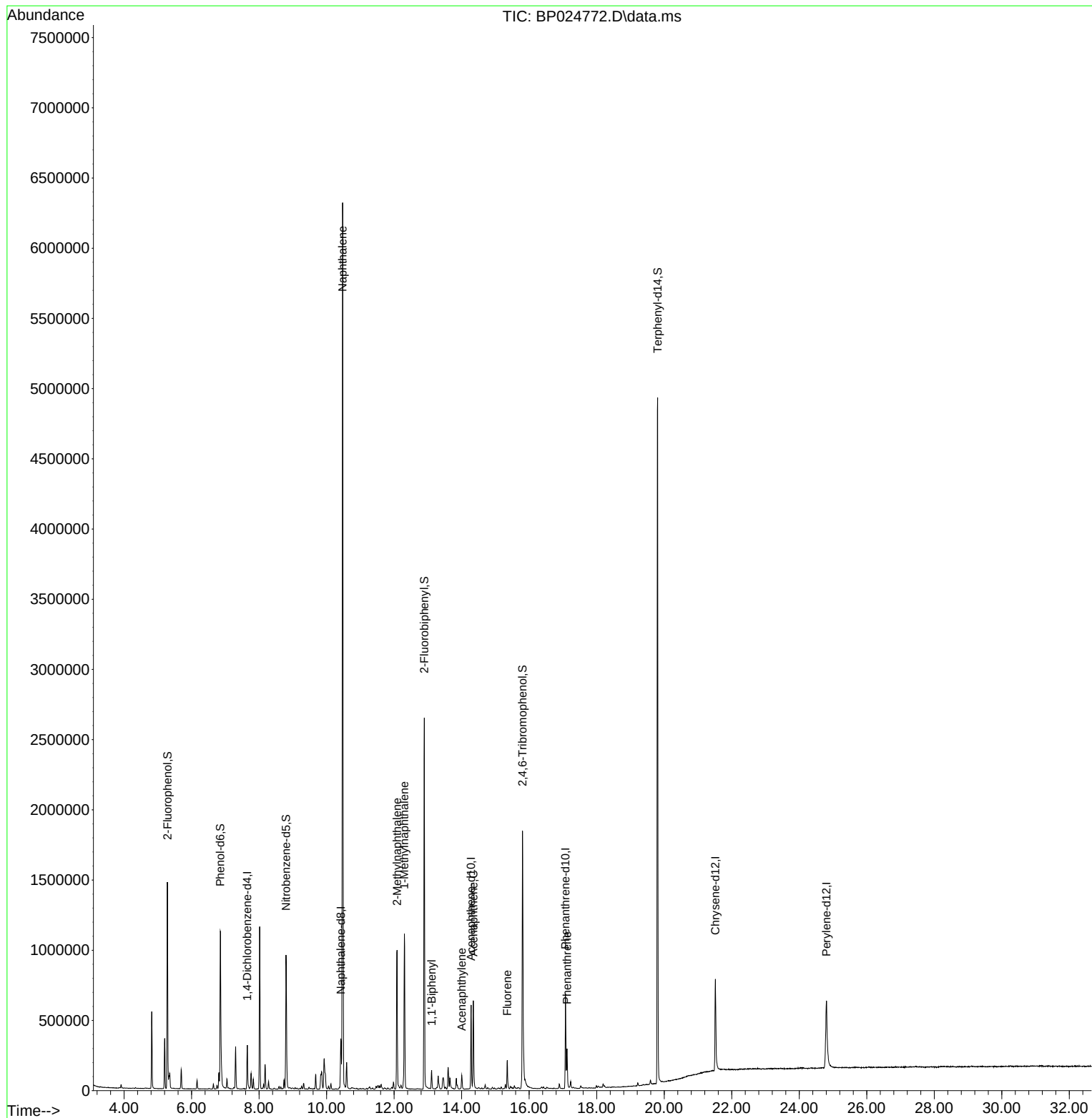
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.652	152	86782	20.000	ng	-0.01
21) Naphthalene-d8	10.422	136	330527	20.000	ng	-0.01
39) Acenaphthene-d10	14.281	164	206491	20.000	ng	-0.02
64) Phenanthrene-d10	17.075	188	416610	20.000	ng	-0.02
76) Chrysene-d12	21.515	240	524798	20.000	ng	0.00
86) Perylene-d12	24.804	264	636519	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	674345	132.905	ng	0.00
7) Phenol-d6	6.852	99	738800	114.089	ng	0.00
23) Nitrobenzene-d5	8.799	82	507184	77.531	ng	-0.01
42) 2,4,6-Tribromophenol	15.804	330	594634	169.865	ng	0.00
45) 2-Fluorobiphenyl	12.892	172	1319776	83.736	ng	-0.01
79) Terphenyl-d14	19.804	244	2776496	90.718	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.475	128	5252016	306.629	ng	99
37) 2-Methylnaphthalene	12.087	142	482786	43.531	ng	98
38) 1-Methylnaphthalene	12.304	142	518655	43.707	ng	99
46) 1,1'-Biphenyl	13.110	154	74604	4.888	ng	98
49) Acenaphthylene	14.004	152	46864	2.406	ng	# 93
52) Acenaphthene	14.345	154	252180	22.526	ng	100
58) Fluorene	15.351	166	94772	6.509	ng	99
71) Phenanthrene	17.122	178	197522	8.529	ng	100

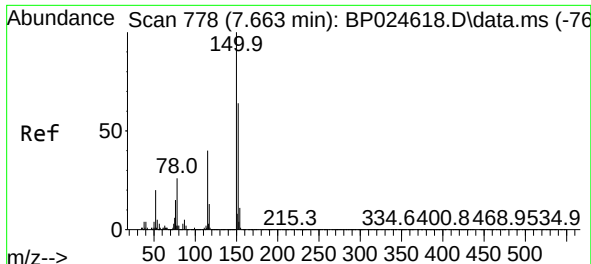
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
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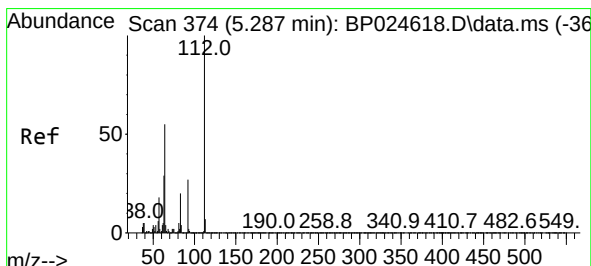
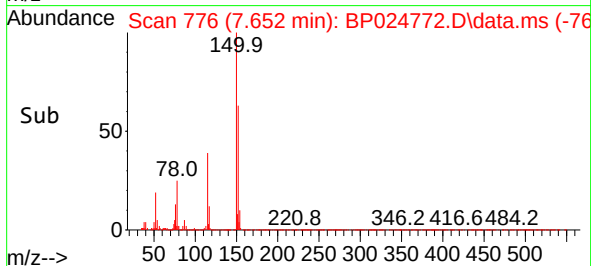
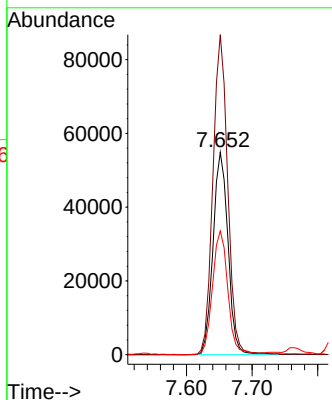
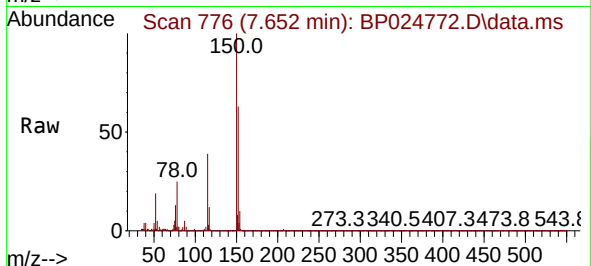




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.652 min Scan# 71
Delta R.T. -0.011 min
Lab File: BP024772.D
Acq: 23 May 2025 00:30

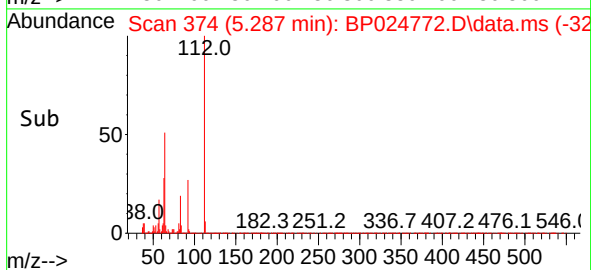
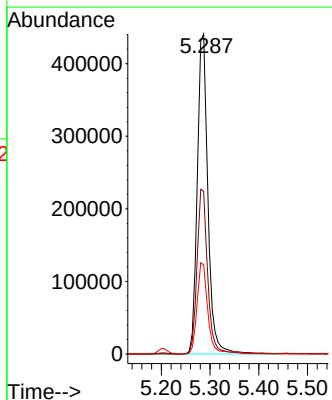
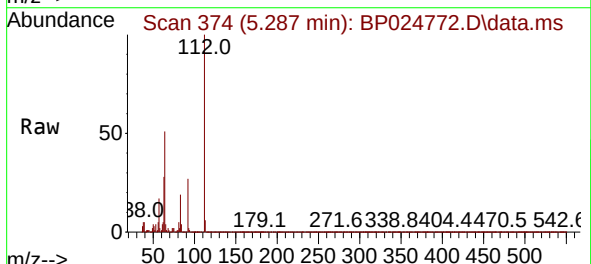
Instrument :
BNA_P
ClientSampleId :
WC-A4-04-C

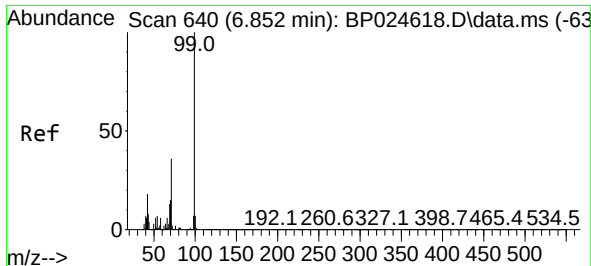
Tgt Ion:152 Resp: 86782
Ion Ratio Lower Upper
152 100
150 158.1 125.9 188.9
115 61.1 50.1 75.1



#5
2-Fluorophenol
Concen: 132.905 ng
RT: 5.287 min Scan# 374
Delta R.T. -0.000 min
Lab File: BP024772.D
Acq: 23 May 2025 00:30

Tgt Ion:112 Resp: 674345
Ion Ratio Lower Upper
112 100
64 50.9 44.1 66.1
63 27.9 23.5 35.3

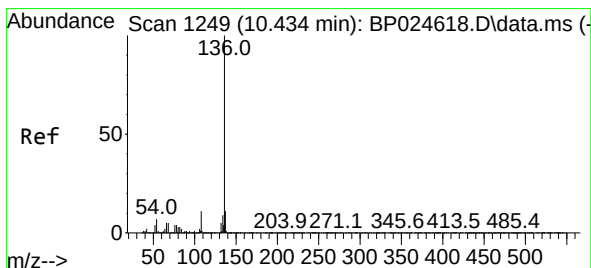
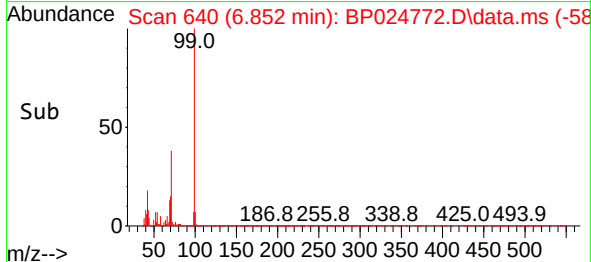
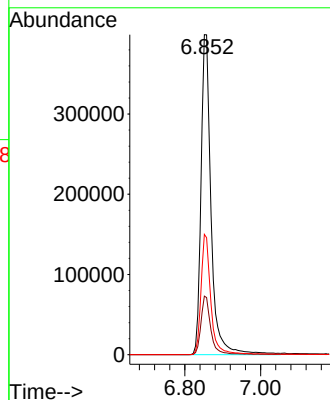
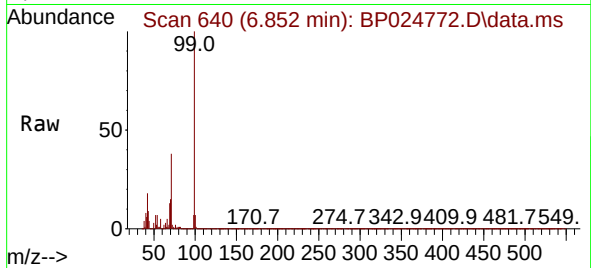




#7
Phenol-d6
Concen: 114.089 ng
RT: 6.852 min Scan# 640
Delta R.T. -0.000 min
Lab File: BP024772.D
Acq: 23 May 2025 00:30

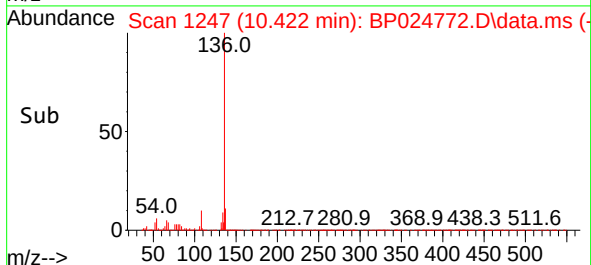
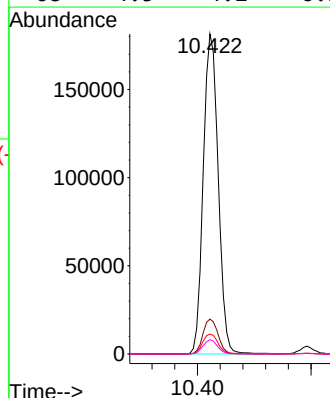
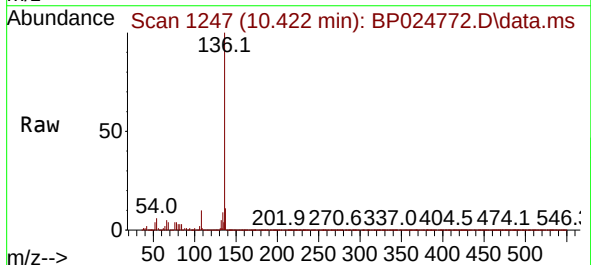
Instrument :
BNA_P
ClientSampleId :
WC-A4-04-C

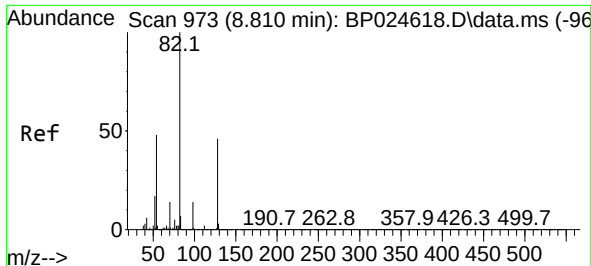
Tgt Ion: 99 Resp: 738800
Ion Ratio Lower Upper
99 100
42 18.3 14.4 21.6
71 37.6 29.2 43.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.422 min Scan# 1247
Delta R.T. -0.012 min
Lab File: BP024772.D
Acq: 23 May 2025 00:30

Tgt Ion:136 Resp: 330527
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.2 5.5 8.3
68 4.5 4.2 6.2

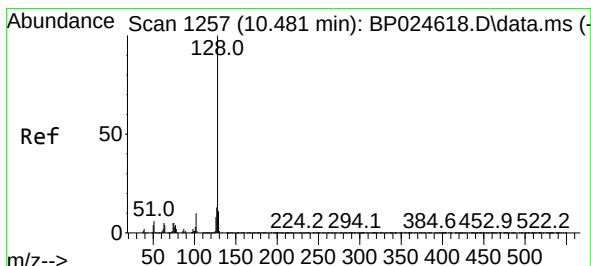
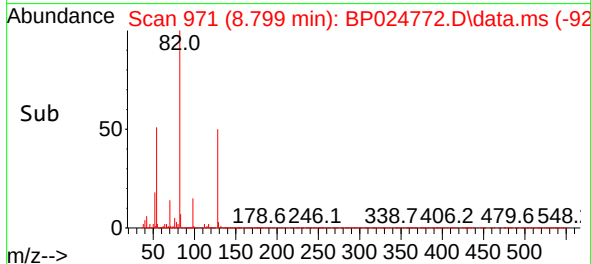
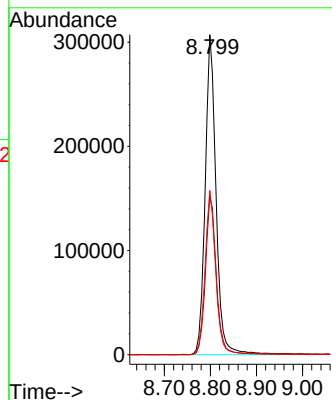
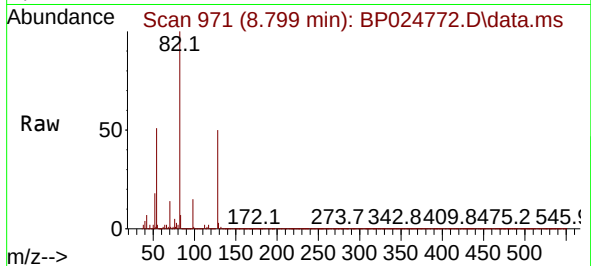




#23
Nitrobenzene-d5
Concen: 77.531 ng
RT: 8.799 min Scan# 91
Delta R.T. -0.012 min
Lab File: BP024772.D
Acq: 23 May 2025 00:30

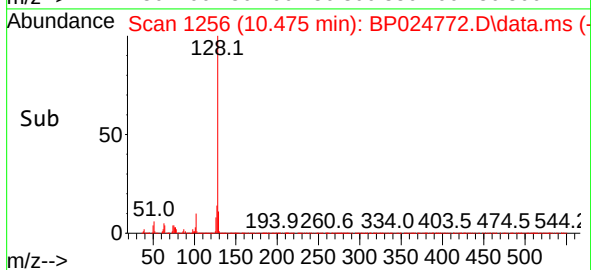
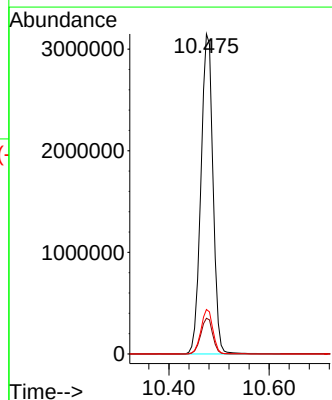
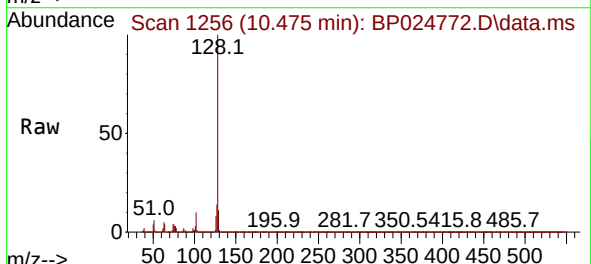
Instrument :
BNA_P
ClientSampleId :
WC-A4-04-C

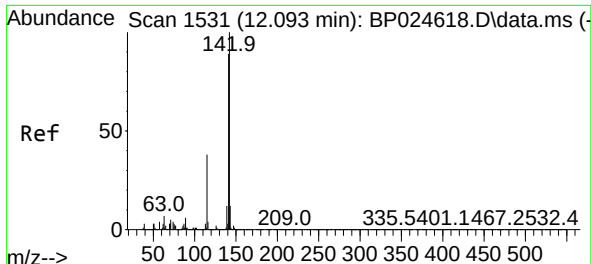
Tgt Ion: 82 Resp: 507184
Ion Ratio Lower Upper
82 100
128 49.5 37.0 55.4
54 51.3 38.7 58.1



#31
Naphthalene
Concen: 306.629 ng
RT: 10.475 min Scan# 1256
Delta R.T. -0.006 min
Lab File: BP024772.D
Acq: 23 May 2025 00:30

Tgt Ion: 128 Resp: 5252016
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 13.9 10.7 16.1

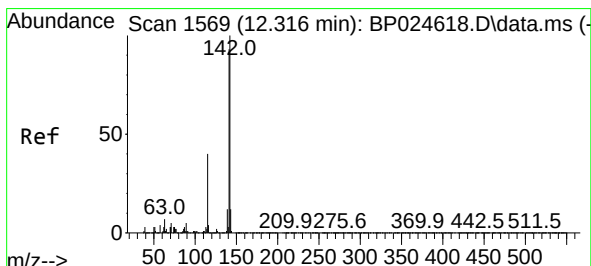
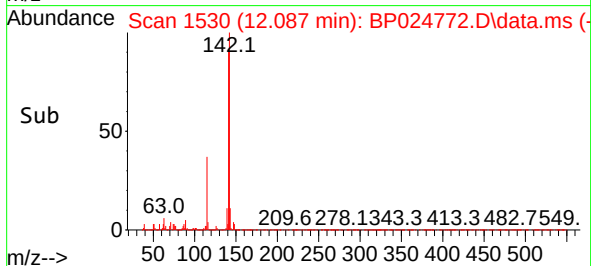
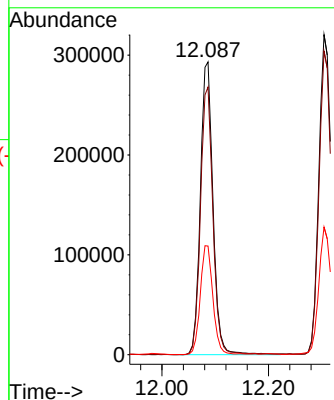
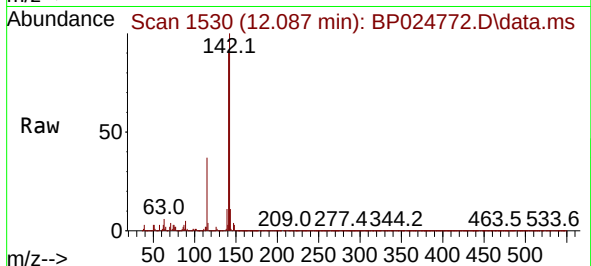




#37
2-Methylnaphthalene
Concen: 43.531 ng
RT: 12.087 min Scan# 1530
Delta R.T. -0.006 min
Lab File: BP024772.D
Acq: 23 May 2025 00:30

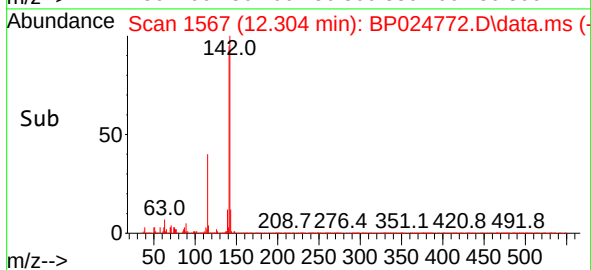
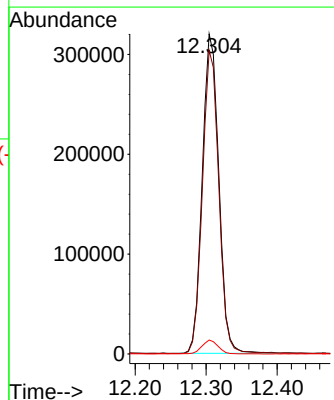
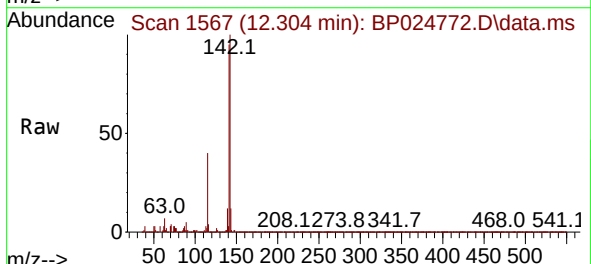
Instrument :
BNA_P
ClientSampleId :
WC-A4-04-C

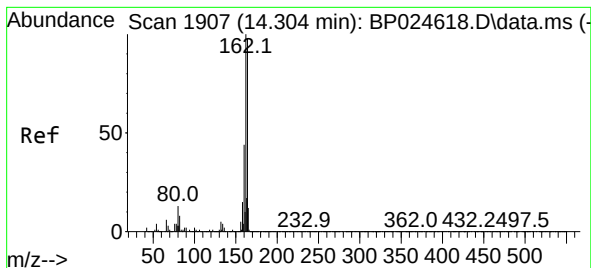
Tgt Ion:142 Resp: 482786
Ion Ratio Lower Upper
142 100
141 91.4 71.2 106.8
115 37.1 30.6 46.0



#38
1-Methylnaphthalene
Concen: 43.707 ng
RT: 12.304 min Scan# 1567
Delta R.T. -0.012 min
Lab File: BP024772.D
Acq: 23 May 2025 00:30

Tgt Ion:142 Resp: 518655
Ion Ratio Lower Upper
142 100
141 94.8 74.7 112.1
116 4.3 3.4 5.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.281 min Scan# 1903

Delta R.T. -0.024 min

Lab File: BP024772.D

Acq: 23 May 2025 00:30

Instrument :

BNA_P

ClientSampleId :

WC-A4-04-C

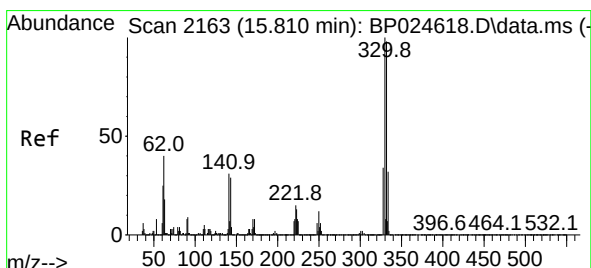
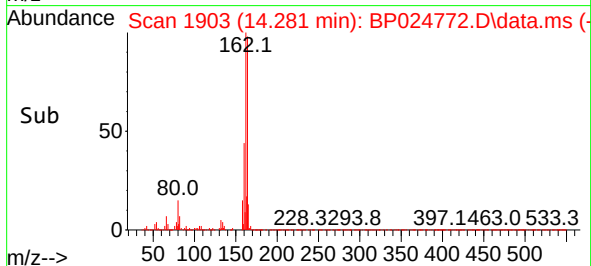
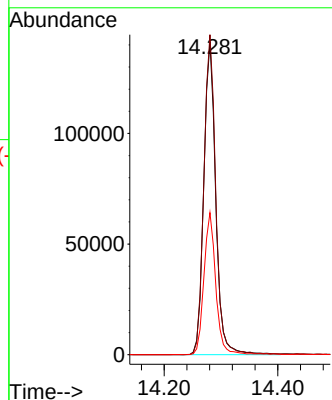
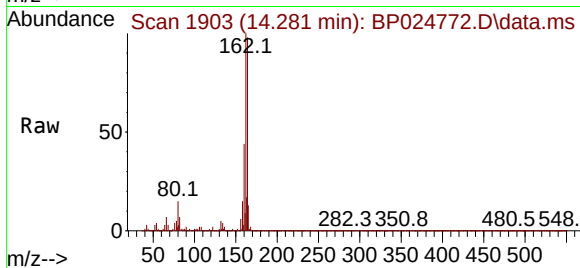
Tgt Ion:164 Resp: 206491

Ion Ratio Lower Upper

164 100

162 102.3 81.8 122.6

160 45.4 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 169.865 ng

RT: 15.804 min Scan# 2162

Delta R.T. -0.006 min

Lab File: BP024772.D

Acq: 23 May 2025 00:30

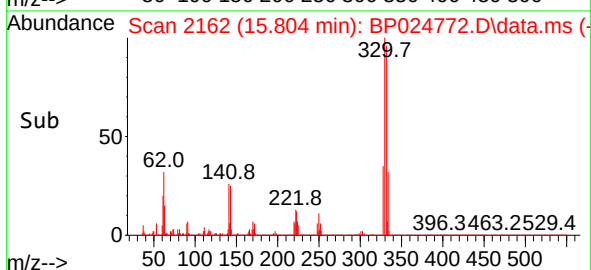
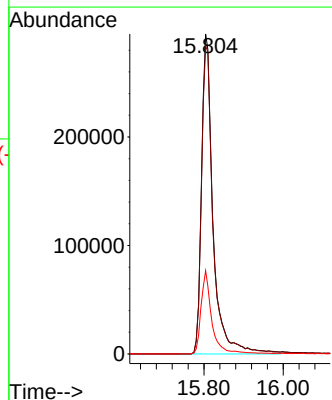
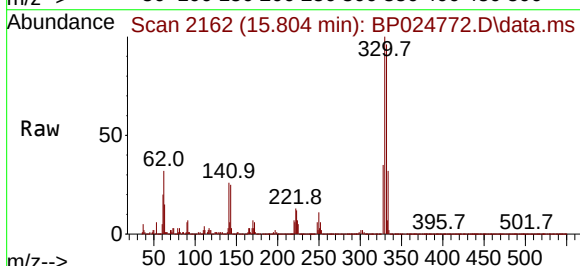
Tgt Ion:330 Resp: 594634

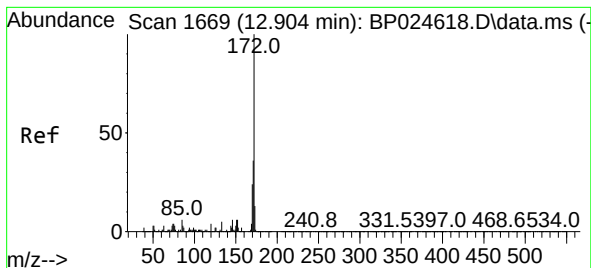
Ion Ratio Lower Upper

330 100

332 98.5 78.2 117.4

141 24.3 24.3 36.5#





#45

2-Fluorobiphenyl

Concen: 83.736 ng

RT: 12.892 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP024772.D

Acq: 23 May 2025 00:30

Instrument :

BNA_P

ClientSampleId :

WC-A4-04-C

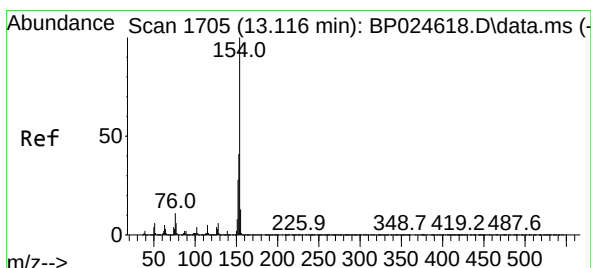
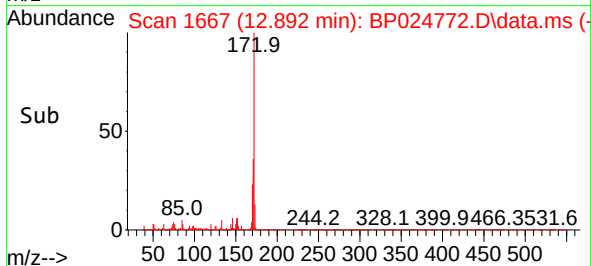
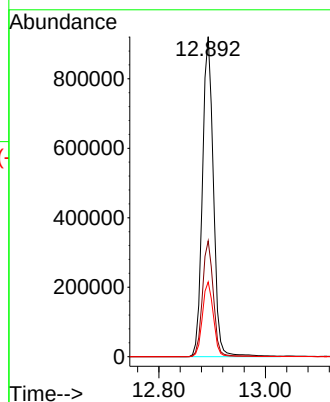
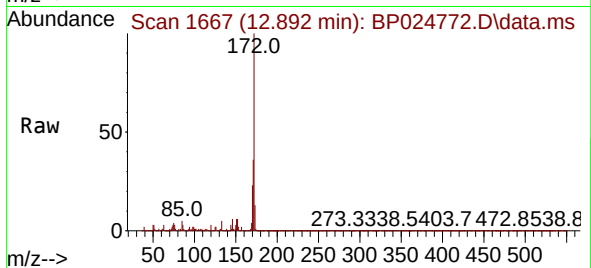
Tgt Ion:172 Resp: 1319776

Ion Ratio Lower Upper

172 100

171 36.2 28.8 43.2

170 23.4 18.8 28.2



#46

1,1'-Biphenyl

Concen: 4.888 ng

RT: 13.110 min Scan# 1704

Delta R.T. -0.006 min

Lab File: BP024772.D

Acq: 23 May 2025 00:30

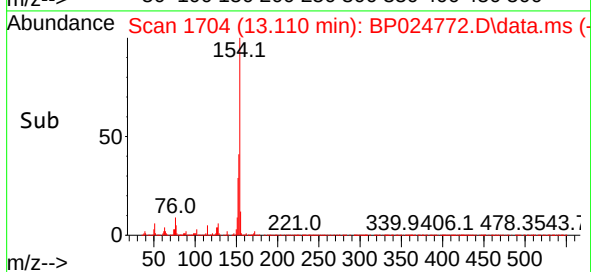
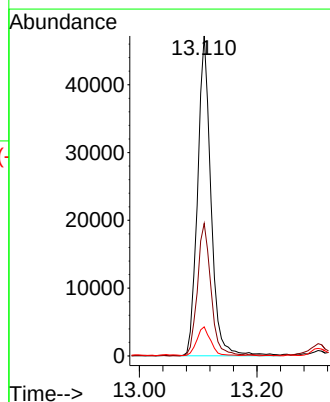
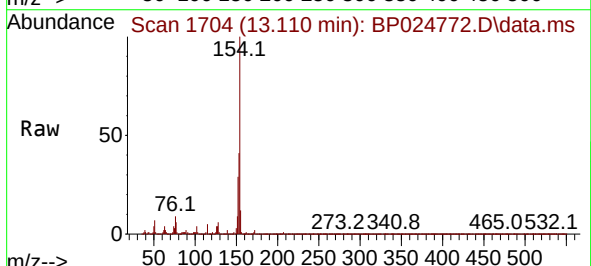
Tgt Ion:154 Resp: 74604

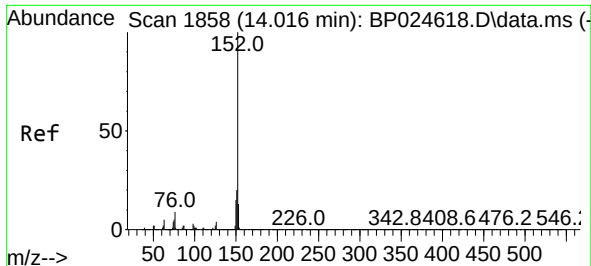
Ion Ratio Lower Upper

154 100

153 41.4 21.0 61.0

76 9.1 0.0 31.5

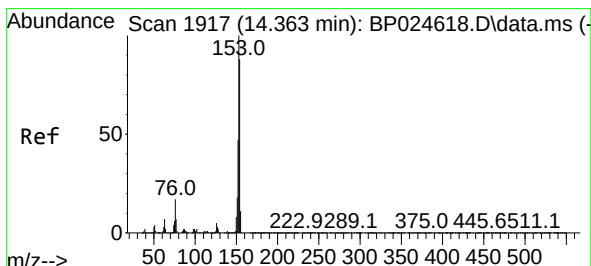
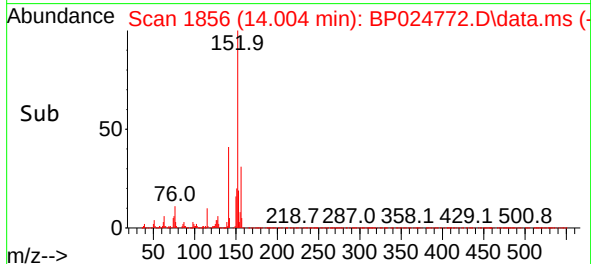
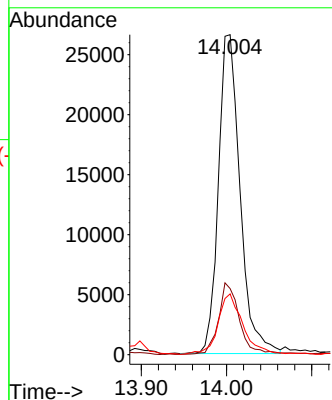
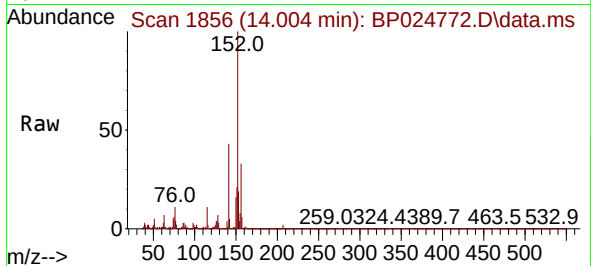




#49
Acenaphthylene
Concen: 2.406 ng
RT: 14.004 min Scan# 1856
Delta R.T. -0.012 min
Lab File: BP024772.D
Acq: 23 May 2025 00:30

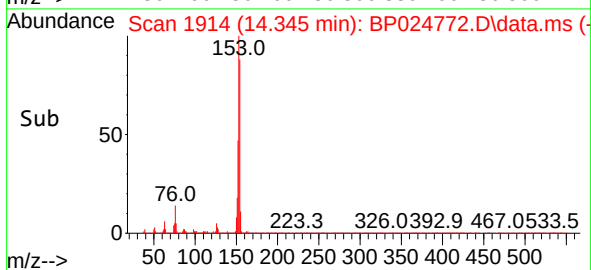
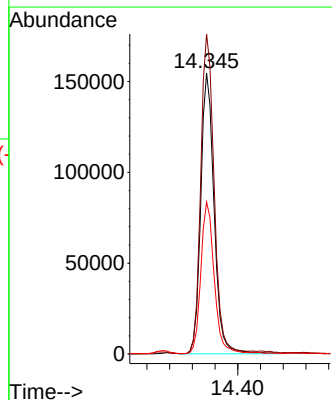
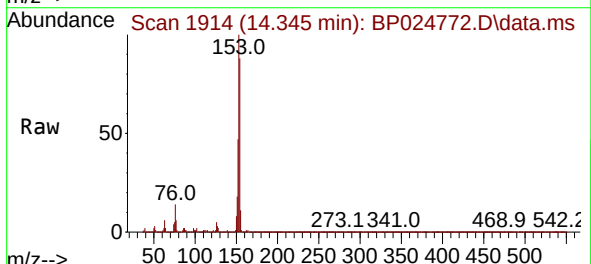
Instrument :
BNA_P
ClientSampleId :
WC-A4-04-C

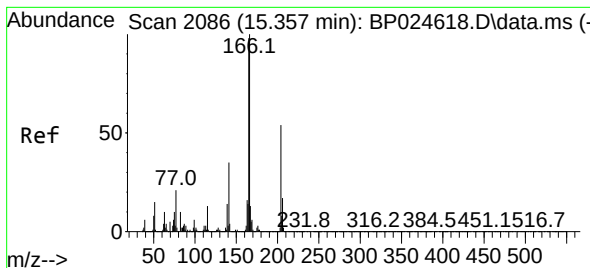
Tgt Ion:152 Resp: 46864
Ion Ratio Lower Upper
152 100
151 20.7 16.2 24.4
153 19.0 10.2 15.4#



#52
Acenaphthene
Concen: 22.526 ng
RT: 14.345 min Scan# 1914
Delta R.T. -0.018 min
Lab File: BP024772.D
Acq: 23 May 2025 00:30

Tgt Ion:154 Resp: 252180
Ion Ratio Lower Upper
154 100
153 113.9 91.0 136.4
152 54.1 42.9 64.3





#58

Fluorene

Concen: 6.509 ng

RT: 15.351 min Scan# 2086

Delta R.T. -0.006 min

Lab File: BP024772.D

Acq: 23 May 2025 00:30

Instrument :

BNA_P

ClientSampleId :

WC-A4-04-C

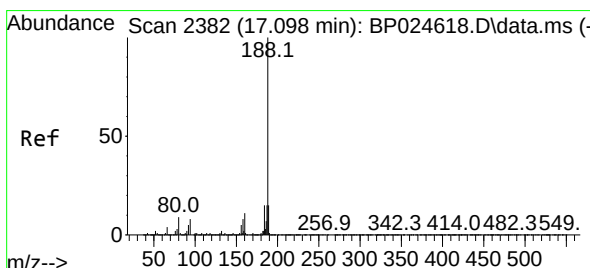
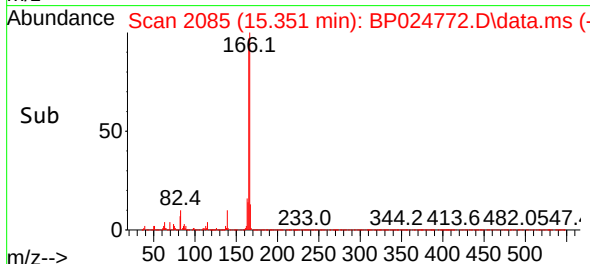
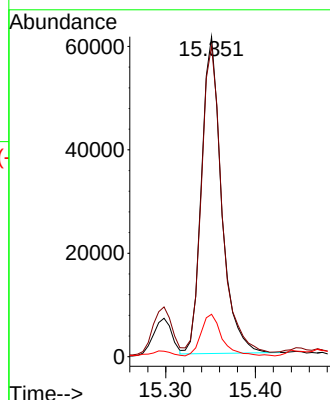
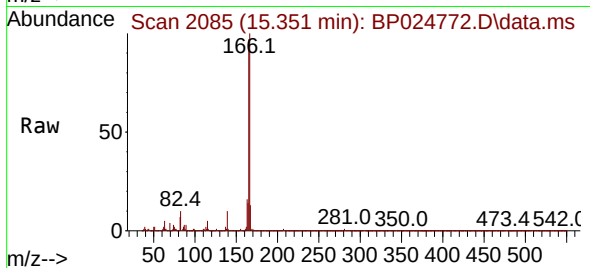
Tgt Ion:166 Resp: 94772

Ion Ratio Lower Upper

166 100

165 97.1 78.5 117.7

167 13.2 10.7 16.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.075 min Scan# 2378

Delta R.T. -0.024 min

Lab File: BP024772.D

Acq: 23 May 2025 00:30

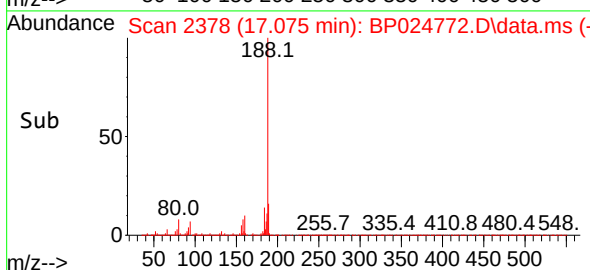
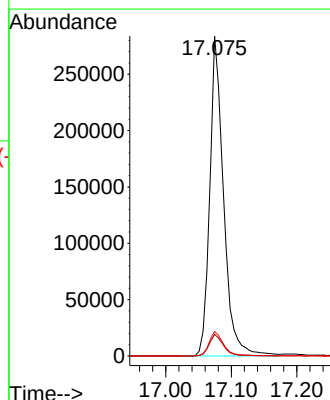
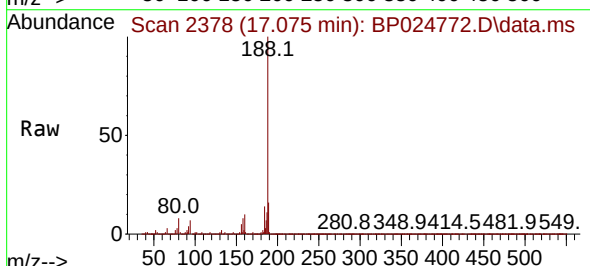
Tgt Ion:188 Resp: 416610

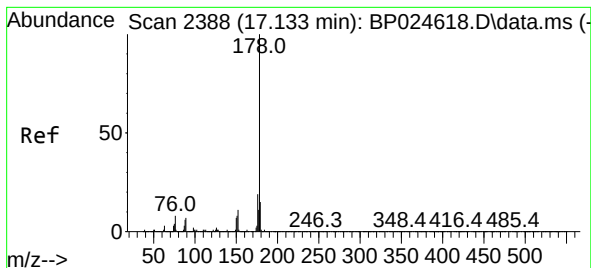
Ion Ratio Lower Upper

188 100

94 6.8 6.5 9.7

80 7.6 7.3 10.9

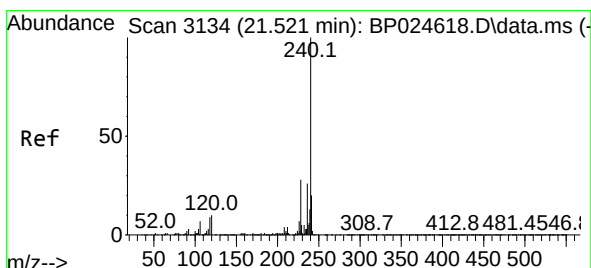
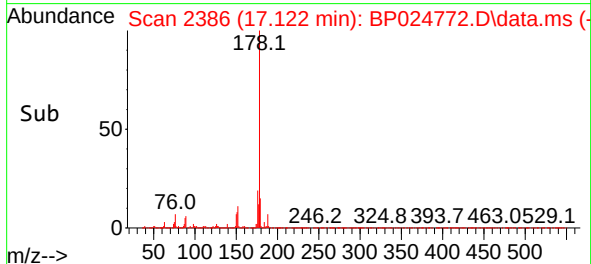
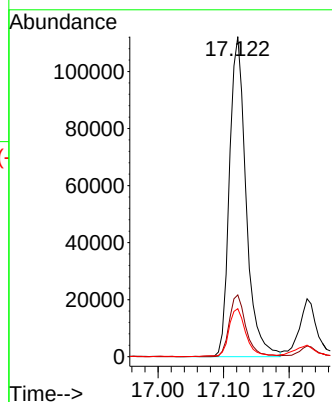
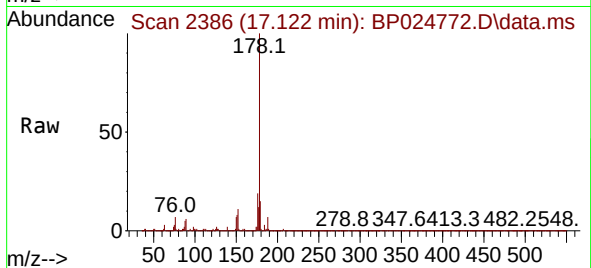




#71
Phenanthrene
Concen: 8.529 ng
RT: 17.122 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP024772.D
Acq: 23 May 2025 00:30

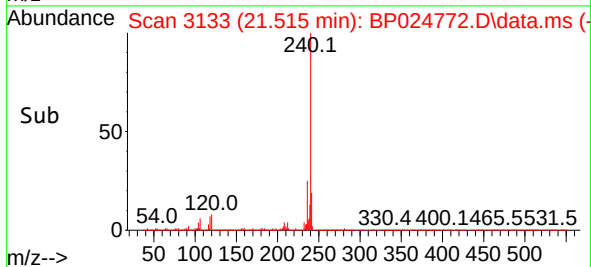
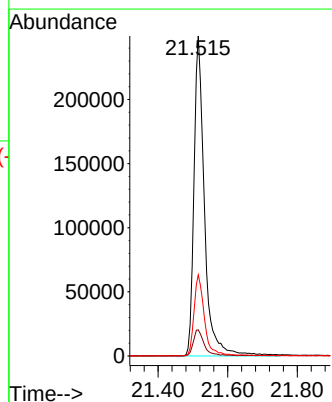
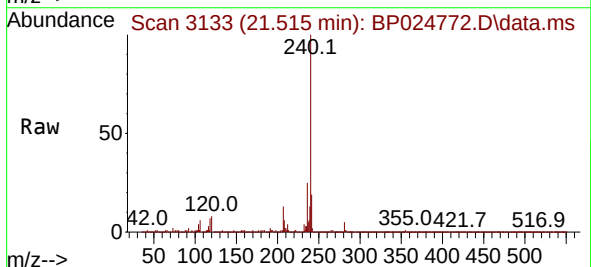
Instrument :
BNA_P
ClientSampleId :
WC-A4-04-C

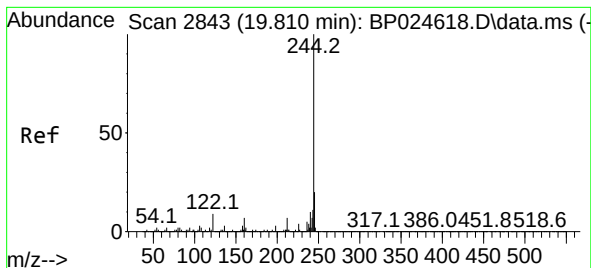
Tgt Ion:178 Resp: 197522
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.0 12.2 18.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.515 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BP024772.D
Acq: 23 May 2025 00:30

Tgt Ion:240 Resp: 524798
Ion Ratio Lower Upper
240 100
120 8.2 7.8 11.6
236 25.3 20.6 31.0





#79

Terphenyl-d14

Concen: 90.718 ng

RT: 19.804 min Scan# 2842

Delta R.T. -0.006 min

Lab File: BP024772.D

Acq: 23 May 2025 00:30

Instrument :

BNA_P

ClientSampleId :

WC-A4-04-C

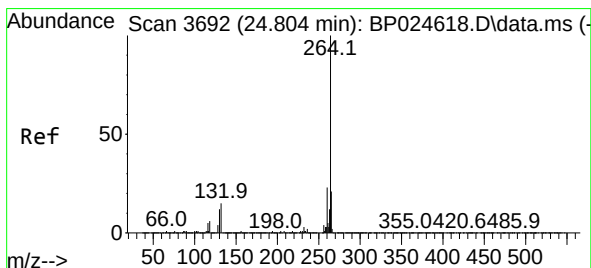
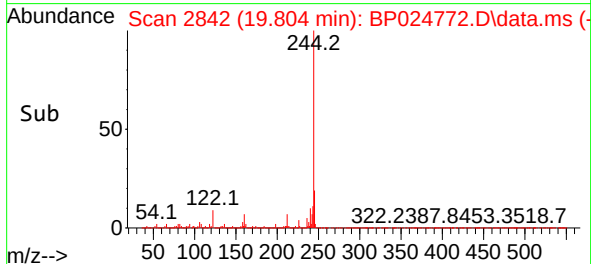
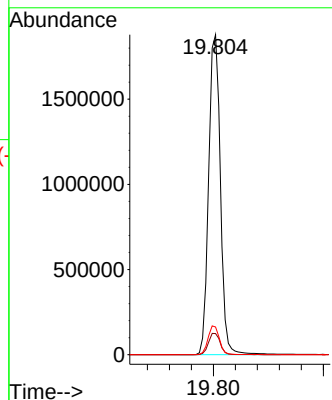
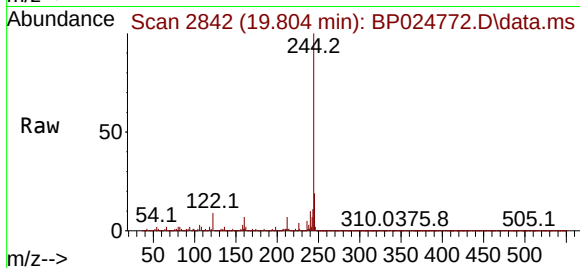
Tgt Ion:244 Resp: 2776496

Ion Ratio Lower Upper

244 100

212 6.6 5.5 8.3

122 8.7 7.4 11.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.804 min Scan# 3692

Delta R.T. -0.000 min

Lab File: BP024772.D

Acq: 23 May 2025 00:30

Tgt Ion:264 Resp: 636519

Ion Ratio Lower Upper

264 100

260 24.0 18.7 28.1

265 22.7 17.0 25.6

