

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
 Data File : BP024773.D
 Acq On : 23 May 2025 01:11
 Operator : RC/JU
 Sample : Q2078-07
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-A4-05-C

Quant Time: May 23 03:28:00 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)

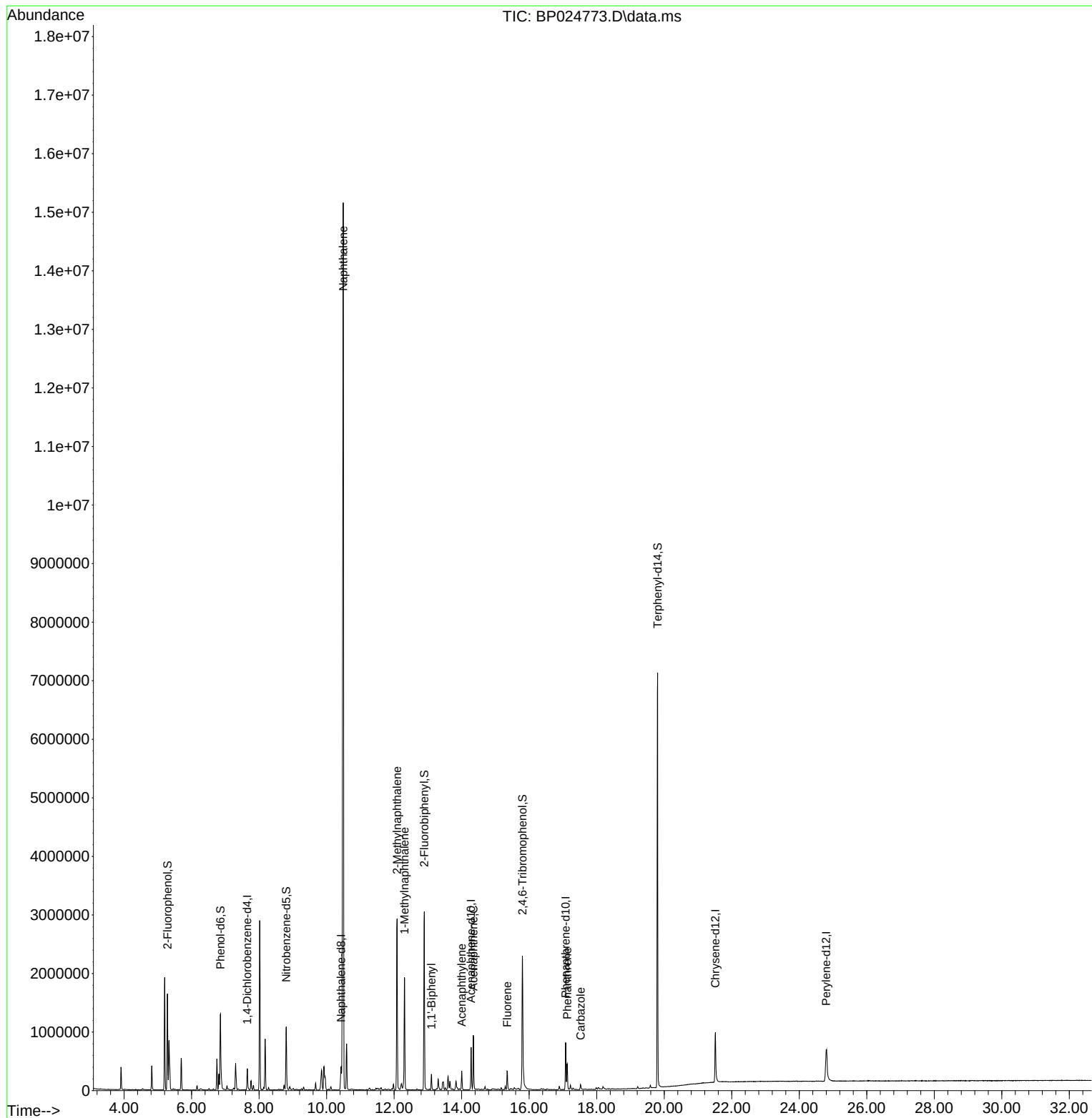
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.652	152	99554	20.000	ng	-0.01
21) Naphthalene-d8	10.428	136	390957	20.000	ng	0.00
39) Acenaphthene-d10	14.281	164	258032	20.000	ng	-0.02
64) Phenanthrene-d10	17.081	188	520855	20.000	ng	-0.02
76) Chrysene-d12	21.516	240	636443	20.000	ng	0.00
86) Perylene-d12	24.798	264	777089	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	756946	130.046	ng	0.00
7) Phenol-d6	6.858	99	837979	112.803	ng	0.00
23) Nitrobenzene-d5	8.805	82	591257	76.413	ng	0.00
42) 2,4,6-Tribromophenol	15.804	330	753806	172.323	ng	0.00
45) 2-Fluorobiphenyl	12.893	172	1599704	81.223	ng	-0.01
79) Terphenyl-d14	19.804	244	3527686	95.042	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.493	128	14294365	705.555	ng	98
37) 2-Methylnaphthalene	12.087	142	1393138	106.197	ng	99
38) 1-Methylnaphthalene	12.310	142	865000	61.626	ng	99
46) 1,1'-Biphenyl	13.104	154	135357	7.097	ng	99
49) Acenaphthylene	14.004	152	187555	7.707	ng	98
52) Acenaphthene	14.346	154	338913	24.226	ng	100
58) Fluorene	15.351	166	162087	8.908	ng	99
71) Phenanthrene	17.128	178	299727	10.351	ng	99
73) Carbazole	17.522	167	71957	2.729	ng	100

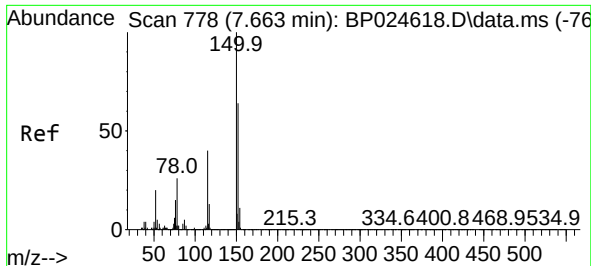
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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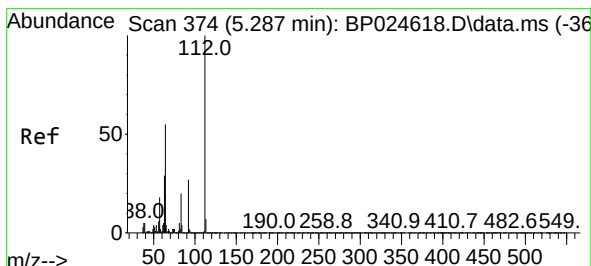
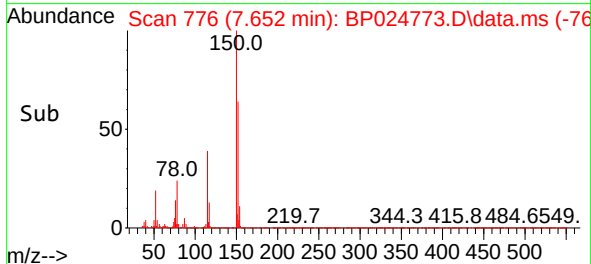
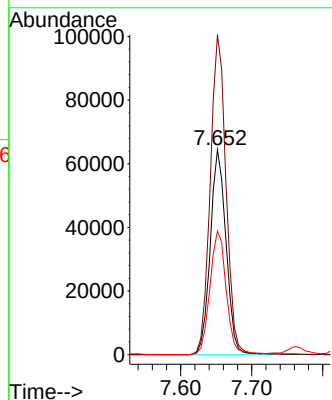
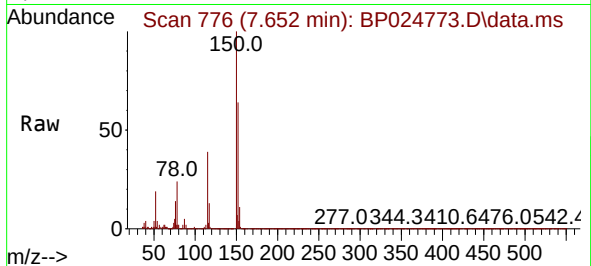




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.652 min Scan# 71
Delta R.T. -0.011 min
Lab File: BP024773.D
Acq: 23 May 2025 01:11

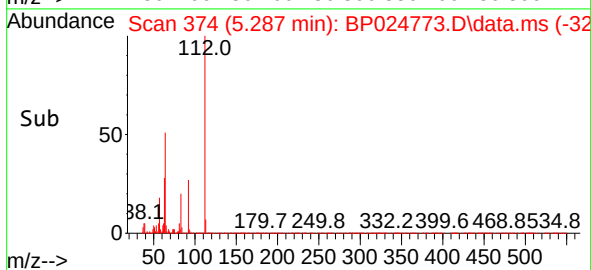
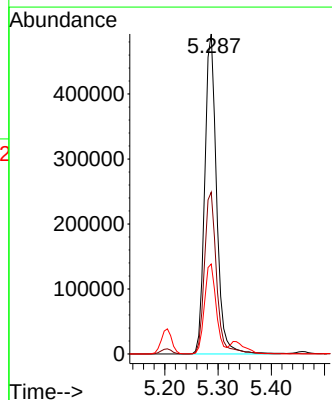
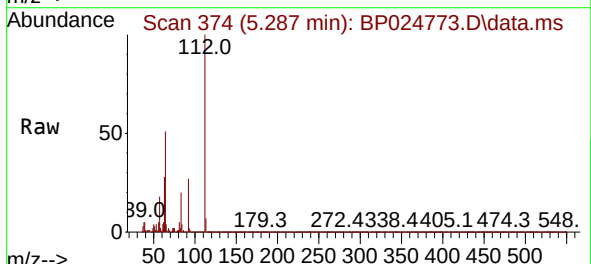
Instrument :
BNA_P
ClientSampleId :
WC-A4-05-C

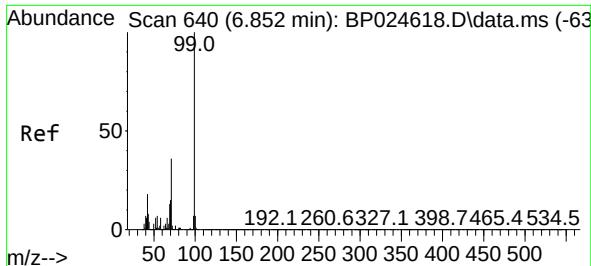
Tgt Ion:152 Resp: 99554
Ion Ratio Lower Upper
152 100
150 156.1 125.9 188.9
115 60.3 50.1 75.1



#5
2-Fluorophenol
Concen: 130.046 ng
RT: 5.287 min Scan# 374
Delta R.T. 0.000 min
Lab File: BP024773.D
Acq: 23 May 2025 01:11

Tgt Ion:112 Resp: 756946
Ion Ratio Lower Upper
112 100
64 50.6 44.1 66.1
63 28.1 23.5 35.3

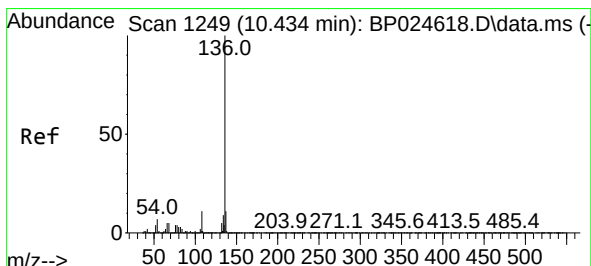
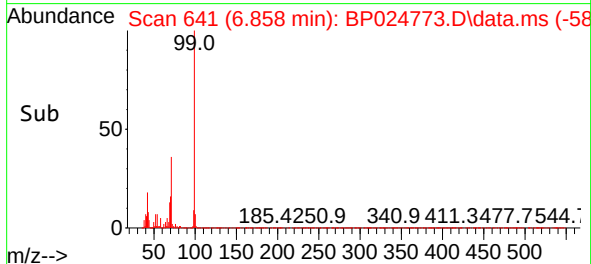
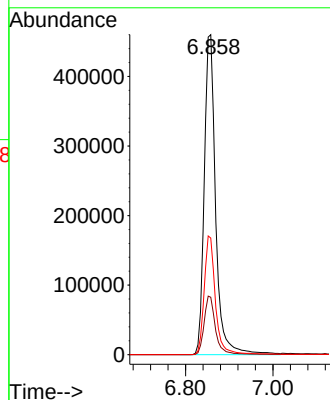
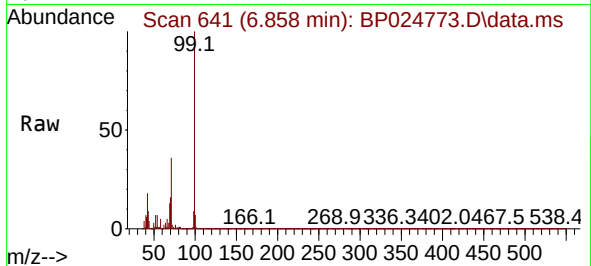




#7
Phenol-d6
Concen: 112.803 ng
RT: 6.858 min Scan# 640
Delta R.T. 0.006 min
Lab File: BP024773.D
Acq: 23 May 2025 01:11

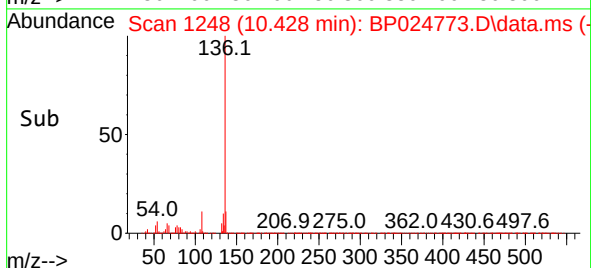
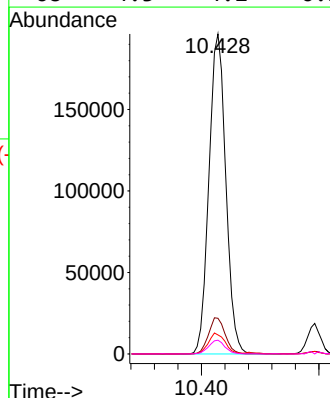
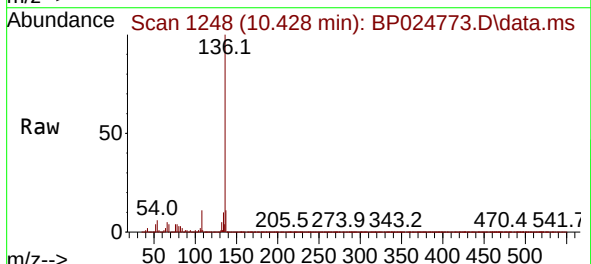
Instrument :
BNA_P
ClientSampleId :
WC-A4-05-C

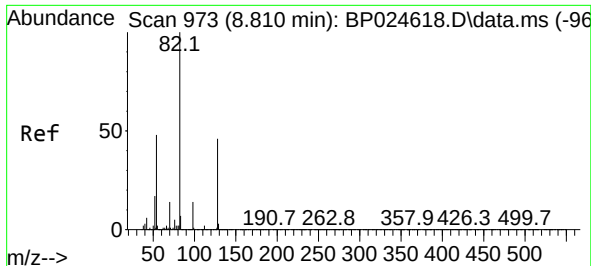
Tgt Ion: 99 Resp: 837979
Ion Ratio Lower Upper
99 100
42 18.0 14.4 21.6
71 36.5 29.2 43.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.428 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BP024773.D
Acq: 23 May 2025 01:11

Tgt Ion: 136 Resp: 390957
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 5.9 5.5 8.3
68 4.3 4.2 6.2

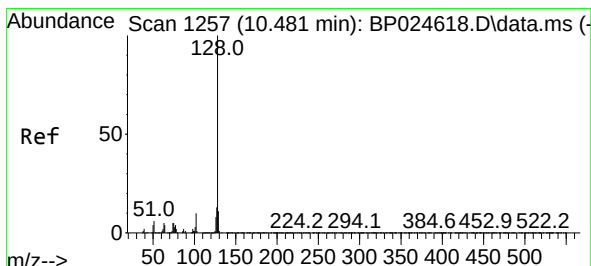
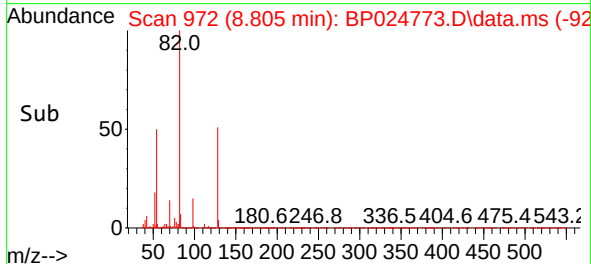
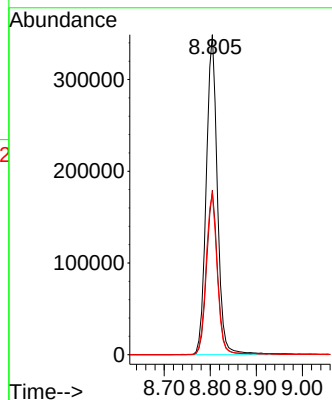
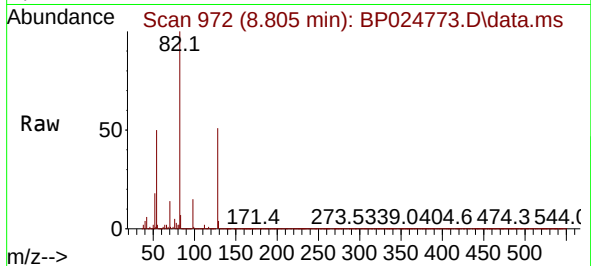




#23
Nitrobenzene-d5
Concen: 76.413 ng
RT: 8.805 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024773.D
Acq: 23 May 2025 01:11

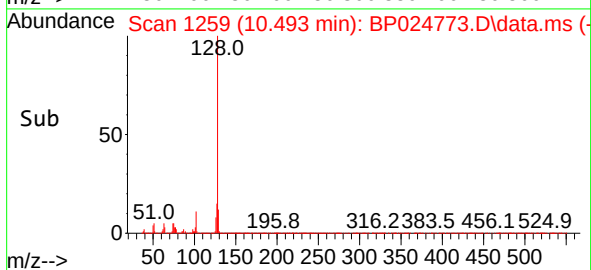
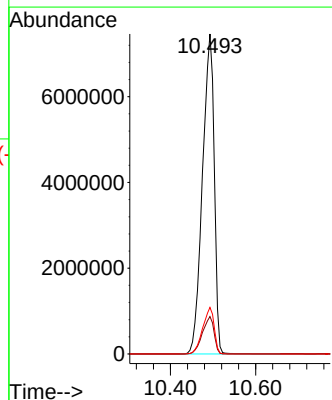
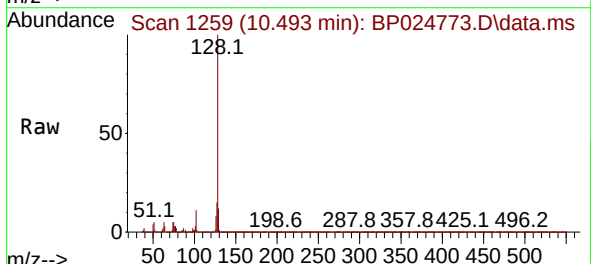
Instrument :
BNA_P
ClientSampleId :
WC-A4-05-C

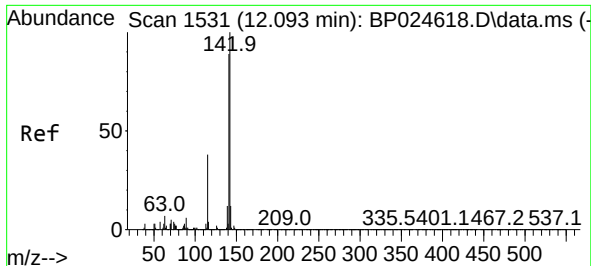
Tgt Ion: 82 Resp: 591257
Ion Ratio Lower Upper
82 100
128 51.4 37.0 55.4
54 50.3 38.7 58.1



#31
Naphthalene
Concen: 705.555 ng
RT: 10.493 min Scan# 1259
Delta R.T. 0.012 min
Lab File: BP024773.D
Acq: 23 May 2025 01:11

Tgt Ion:128 Resp:14294365
Ion Ratio Lower Upper
128 100
129 11.7 8.8 13.2
127 14.5 10.7 16.1

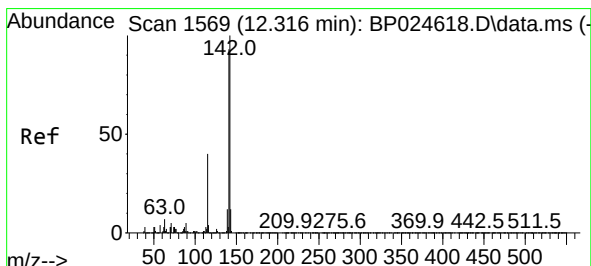
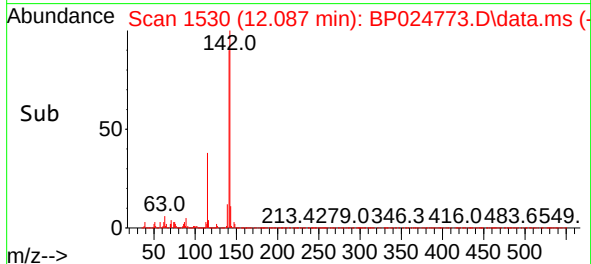
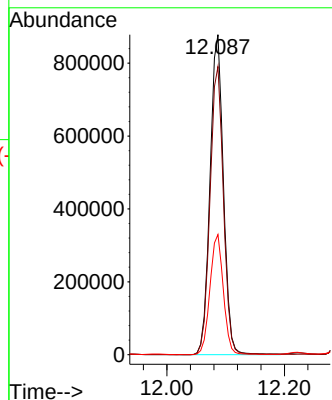
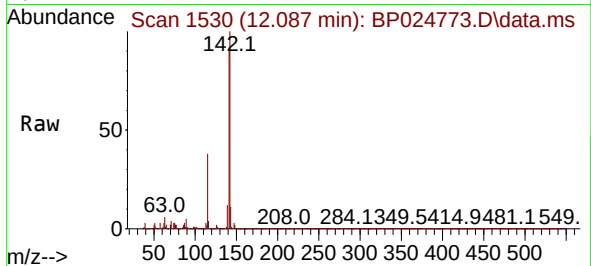




#37
2-Methylnaphthalene
Concen: 106.197 ng
RT: 12.087 min Scan# 1530
Delta R.T. -0.006 min
Lab File: BP024773.D
Acq: 23 May 2025 01:11

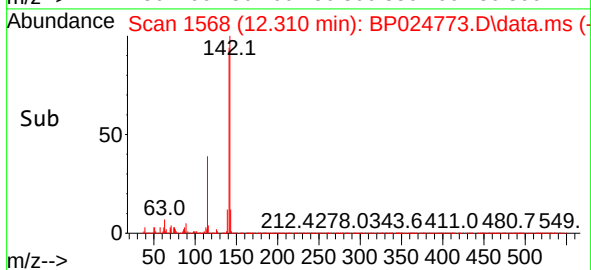
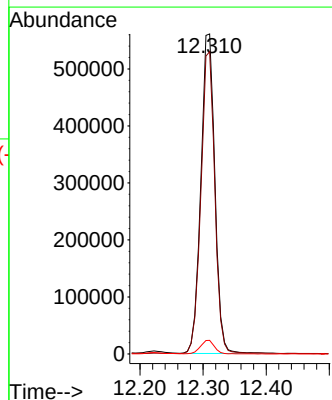
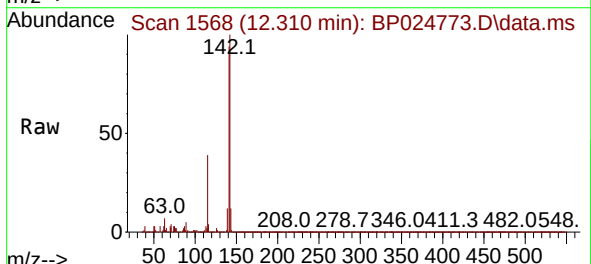
Instrument :
BNA_P
ClientSampleId :
WC-A4-05-C

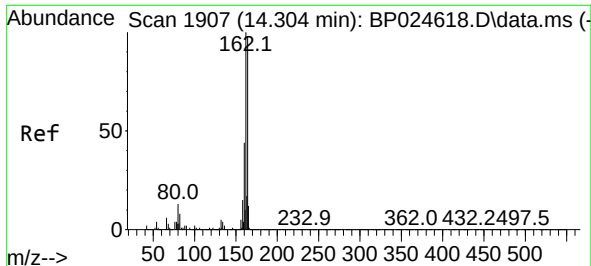
Tgt Ion:142 Resp: 1393138
Ion Ratio Lower Upper
142 100
141 90.0 71.2 106.8
115 37.5 30.6 46.0



#38
1-Methylnaphthalene
Concen: 61.626 ng
RT: 12.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BP024773.D
Acq: 23 May 2025 01:11

Tgt Ion:142 Resp: 865000
Ion Ratio Lower Upper
142 100
141 94.4 74.7 112.1
116 4.2 3.4 5.2

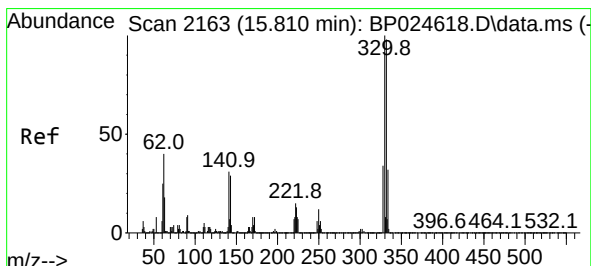
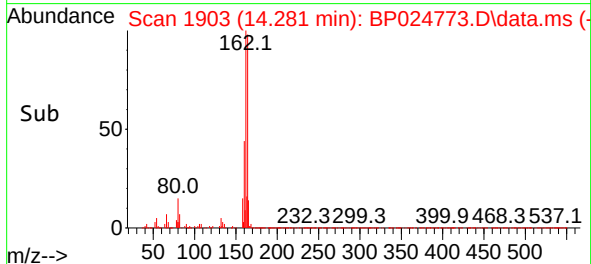
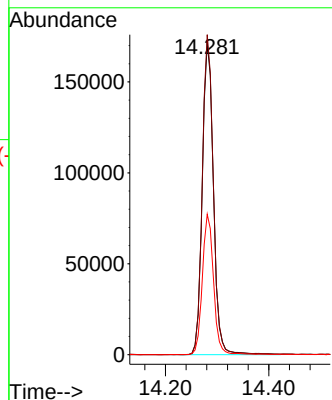
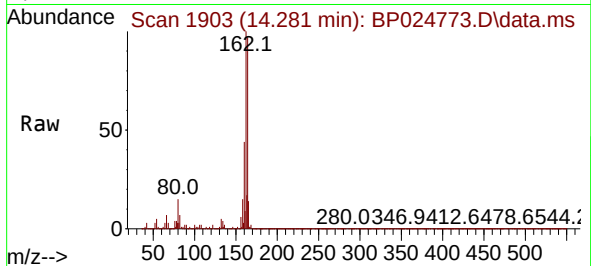




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.281 min Scan# 1907
Delta R.T. -0.023 min
Lab File: BP024773.D
Acq: 23 May 2025 01:11

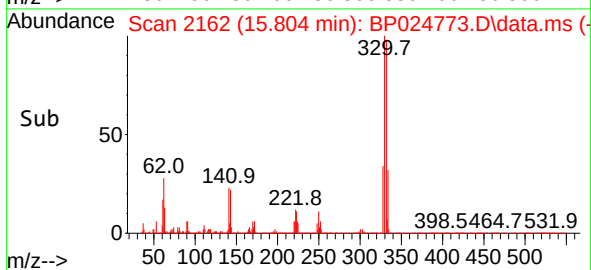
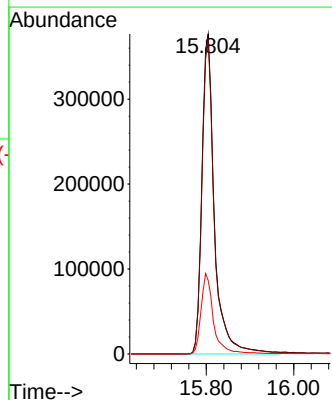
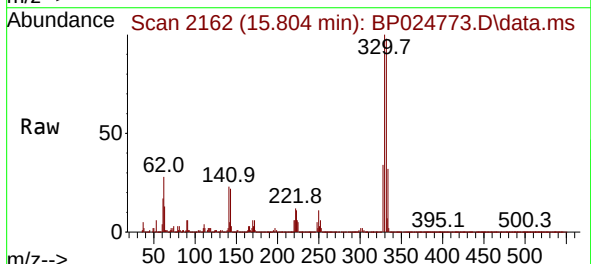
Instrument :
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ClientSampleId :
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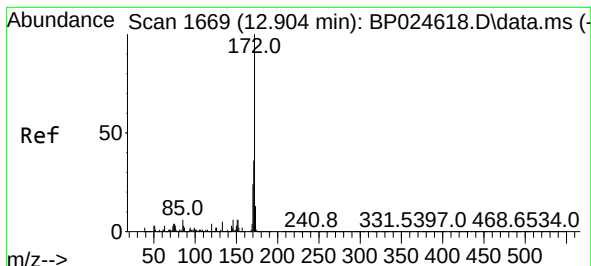
Tgt Ion:164 Resp: 258032
Ion Ratio Lower Upper
164 100
162 102.7 81.8 122.6
160 45.1 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 172.323 ng
RT: 15.804 min Scan# 2162
Delta R.T. -0.006 min
Lab File: BP024773.D
Acq: 23 May 2025 01:11

Tgt Ion:330 Resp: 753806
Ion Ratio Lower Upper
330 100
332 98.4 78.2 117.4
141 24.9 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 81.223 ng

RT: 12.893 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP024773.D

Acq: 23 May 2025 01:11

Instrument :

BNA_P

ClientSampleId :

WC-A4-05-C

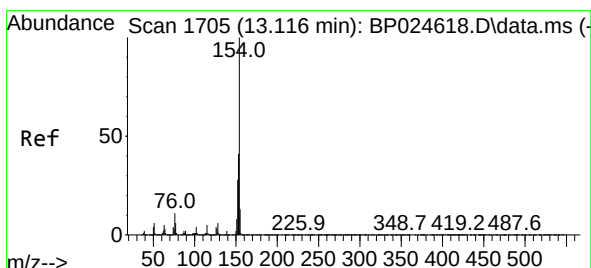
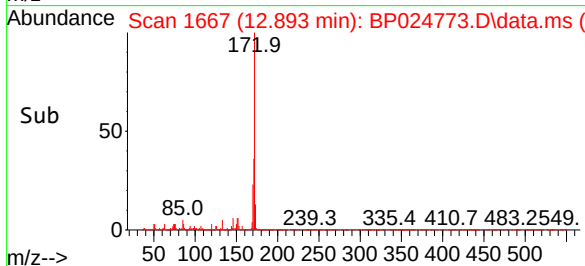
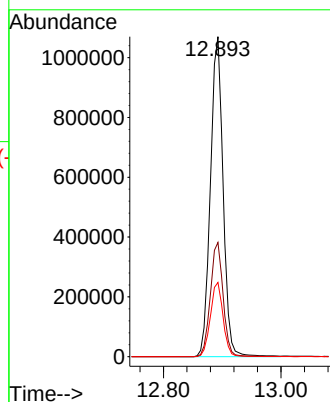
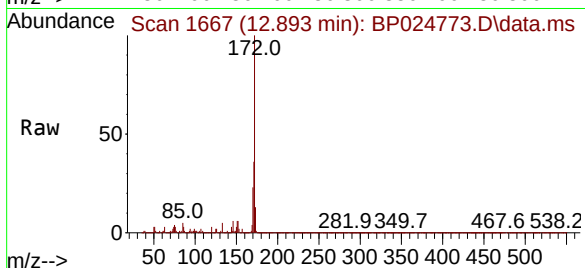
Tgt Ion:172 Resp: 1599704

Ion Ratio Lower Upper

172 100

171 35.7 28.8 43.2

170 23.2 18.8 28.2



#46

1,1'-Biphenyl

Concen: 7.097 ng

RT: 13.104 min Scan# 1703

Delta R.T. -0.012 min

Lab File: BP024773.D

Acq: 23 May 2025 01:11

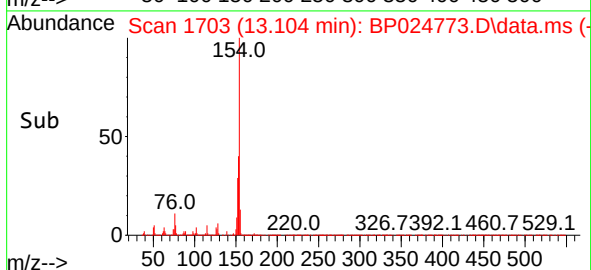
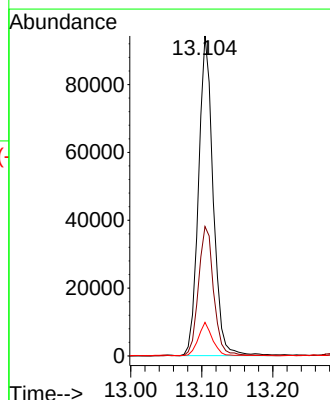
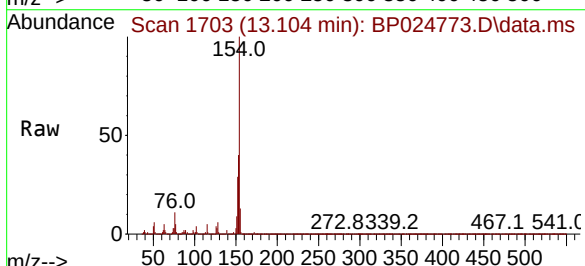
Tgt Ion:154 Resp: 135357

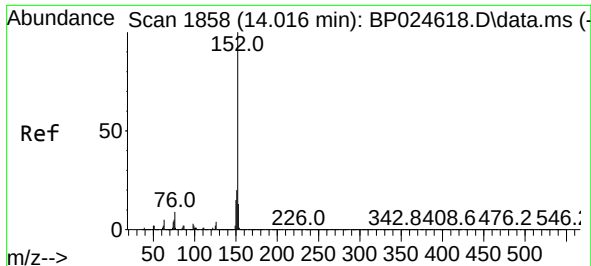
Ion Ratio Lower Upper

154 100

153 40.4 21.0 61.0

76 10.5 0.0 31.5

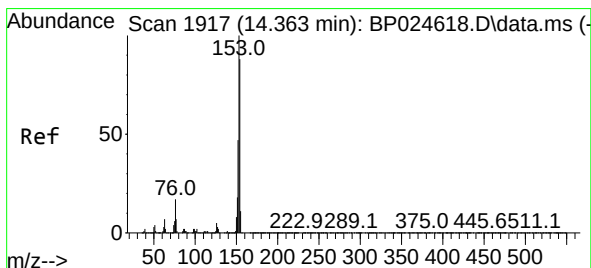
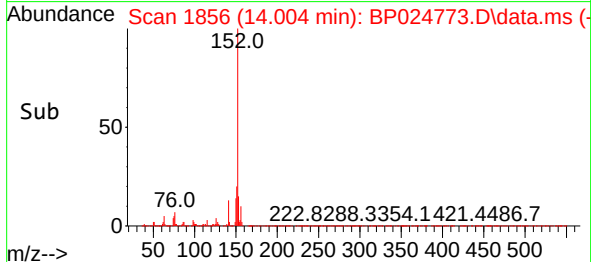
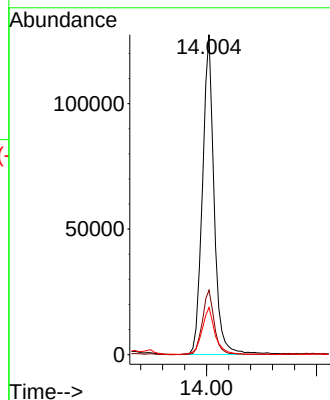
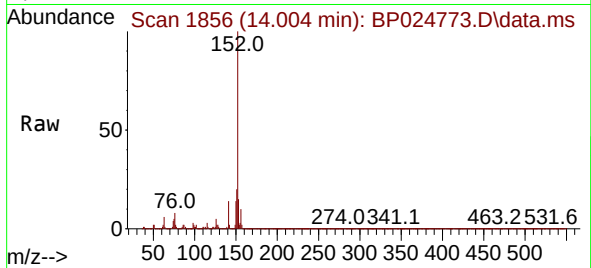




#49
Acenaphthylene
Concen: 7.707 ng
RT: 14.004 min Scan# 1856
Delta R.T. -0.012 min
Lab File: BP024773.D
Acq: 23 May 2025 01:11

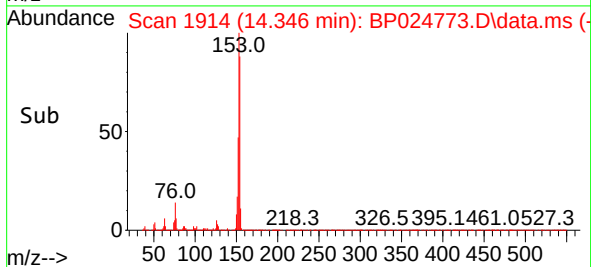
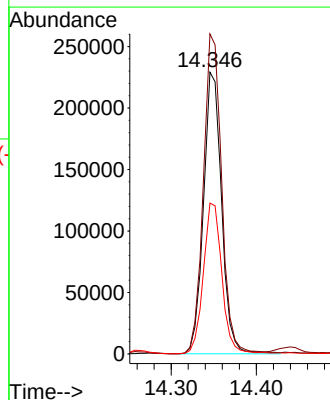
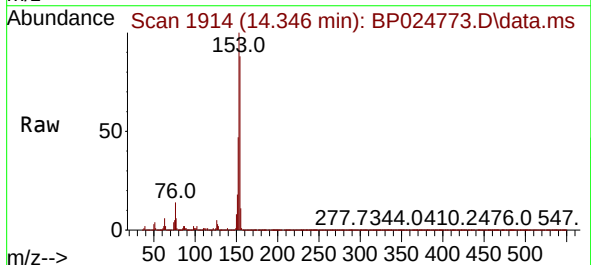
Instrument :
BNA_P
ClientSampleId :
WC-A4-05-C

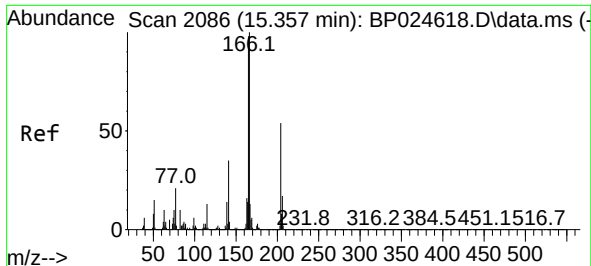
Tgt Ion:152 Resp: 187555
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.4
153 14.8 10.2 15.4



#52
Acenaphthene
Concen: 24.226 ng
RT: 14.346 min Scan# 1914
Delta R.T. -0.018 min
Lab File: BP024773.D
Acq: 23 May 2025 01:11

Tgt Ion:154 Resp: 338913
Ion Ratio Lower Upper
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153 113.6 91.0 136.4
152 53.6 42.9 64.3

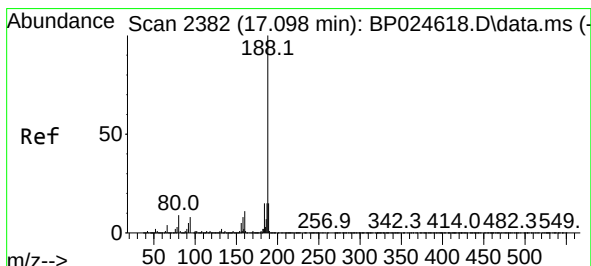
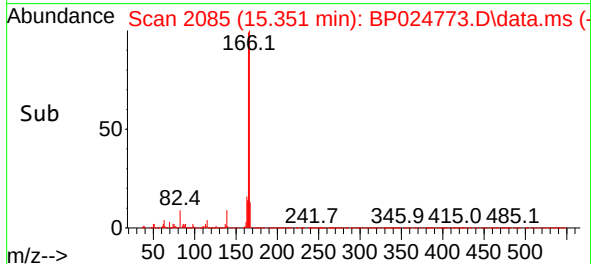
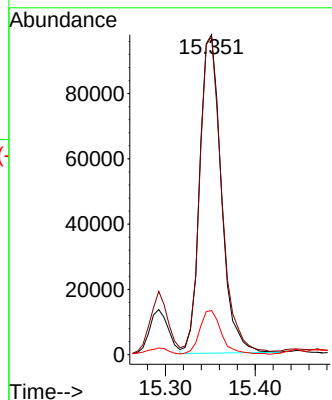
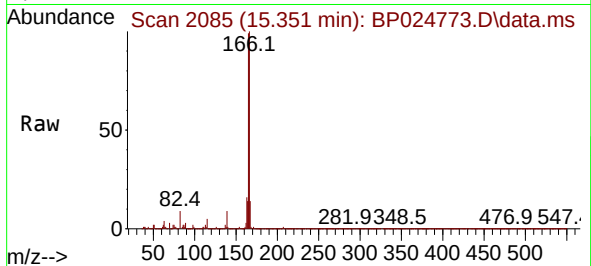




#58
Fluorene
Concen: 8.908 ng
RT: 15.351 min Scan# 2086
Delta R.T. -0.006 min
Lab File: BP024773.D
Acq: 23 May 2025 01:11

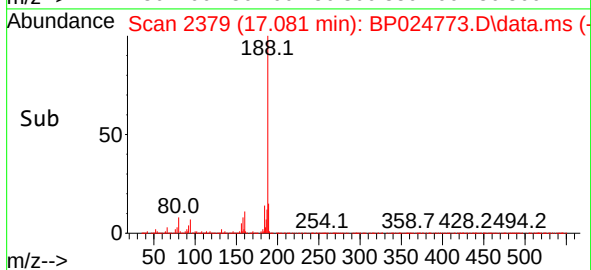
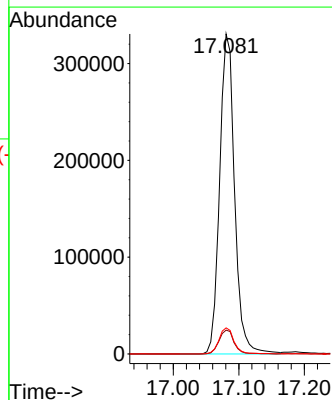
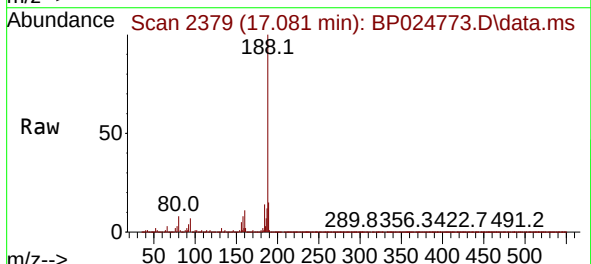
Instrument :
BNA_P
ClientSampleId :
WC-A4-05-C

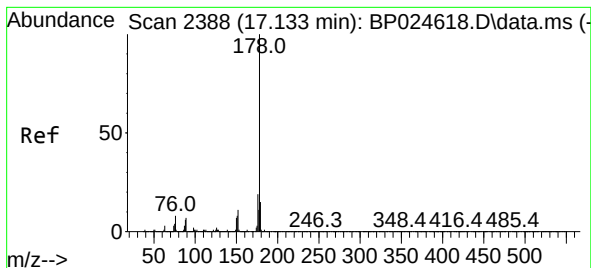
Tgt Ion:166 Resp: 162087
Ion Ratio Lower Upper
166 100
165 99.4 78.5 117.7
167 13.8 10.7 16.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.081 min Scan# 2379
Delta R.T. -0.018 min
Lab File: BP024773.D
Acq: 23 May 2025 01:11

Tgt Ion:188 Resp: 520855
Ion Ratio Lower Upper
188 100
94 7.5 6.5 9.7
80 8.1 7.3 10.9





#71

Phenanthrene

Concen: 10.351 ng

RT: 17.128 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP024773.D

Acq: 23 May 2025 01:11

Instrument :

BNA_P

ClientSampleId :

WC-A4-05-C

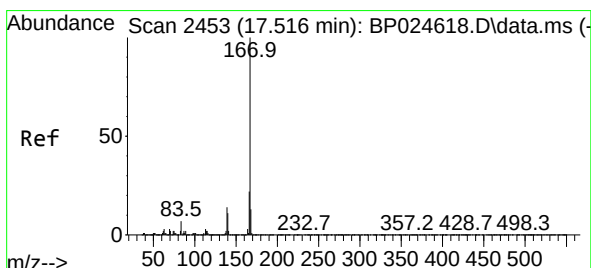
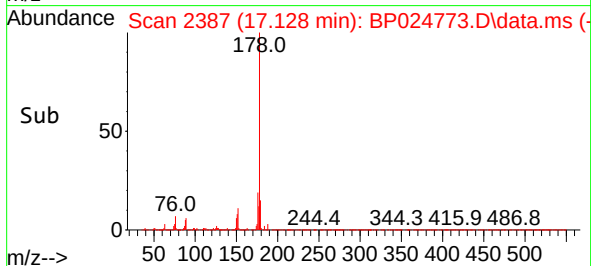
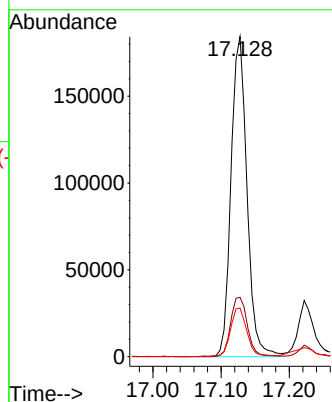
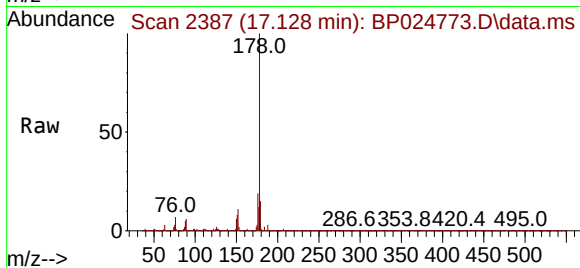
Tgt Ion:178 Resp: 299727

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.2

179 15.2 12.2 18.4



#73

Carbazole

Concen: 2.729 ng

RT: 17.522 min Scan# 2454

Delta R.T. 0.006 min

Lab File: BP024773.D

Acq: 23 May 2025 01:11

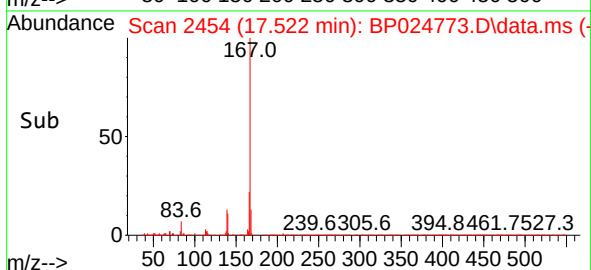
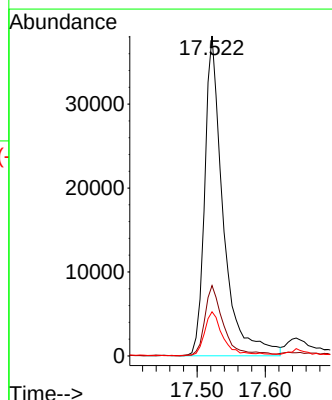
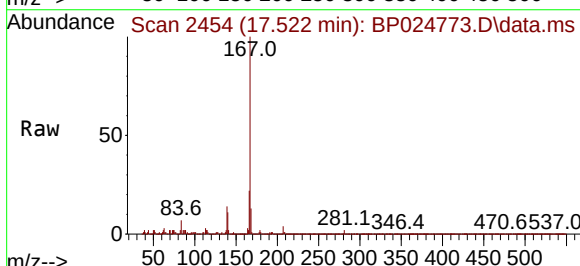
Tgt Ion:167 Resp: 71957

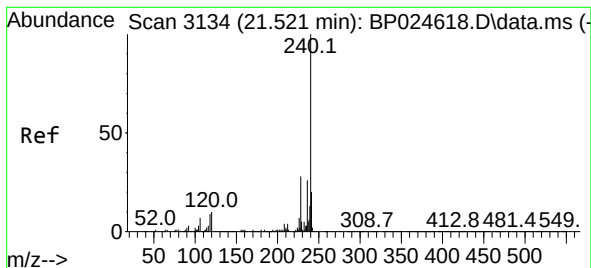
Ion Ratio Lower Upper

167 100

166 22.0 17.7 26.5

139 13.8 11.3 16.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.516 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP024773.D

Acq: 23 May 2025 01:11

Instrument :

BNA_P

ClientSampleId :

WC-A4-05-C

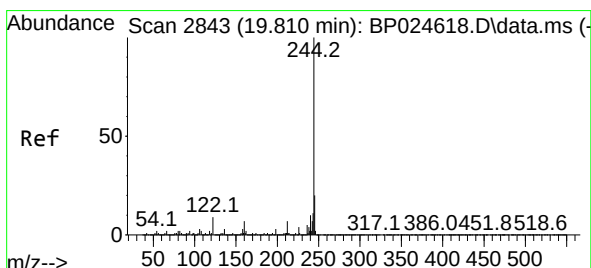
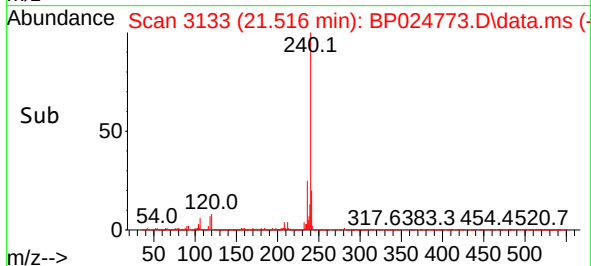
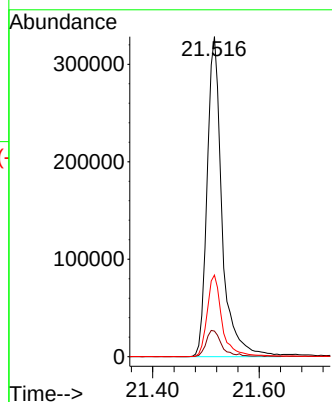
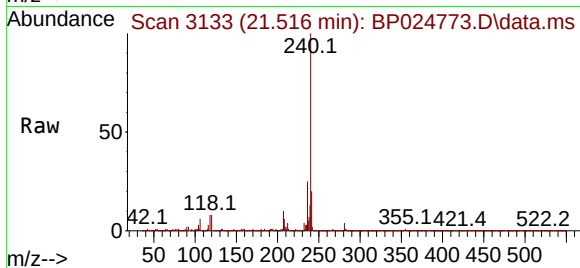
Tgt Ion:240 Resp: 636443

Ion Ratio Lower Upper

240 100

120 8.0 7.8 11.6

236 25.5 20.6 31.0



#79

Terphenyl-d14

Concen: 95.042 ng

RT: 19.804 min Scan# 2842

Delta R.T. -0.006 min

Lab File: BP024773.D

Acq: 23 May 2025 01:11

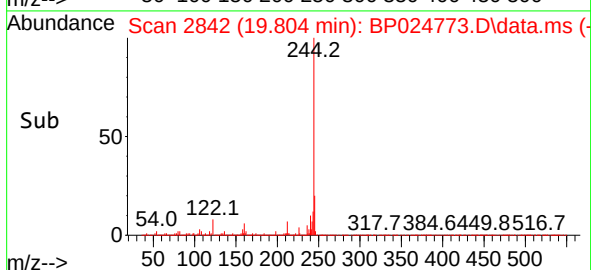
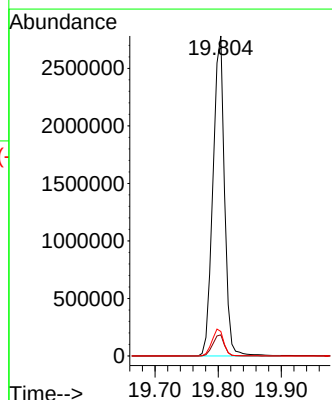
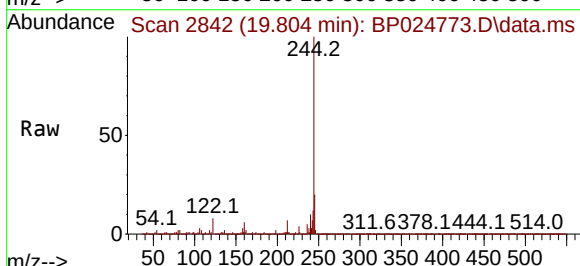
Tgt Ion:244 Resp: 3527686

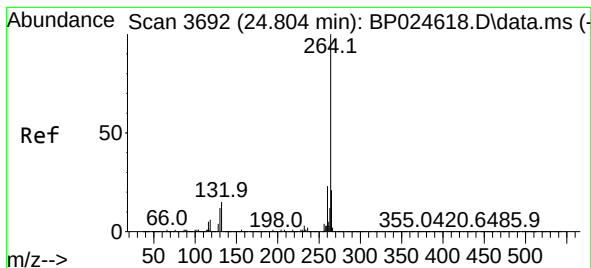
Ion Ratio Lower Upper

244 100

212 6.6 5.5 8.3

122 7.7 7.4 11.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.798 min Scan# 30

Delta R.T. -0.006 min

Lab File: BP024773.D

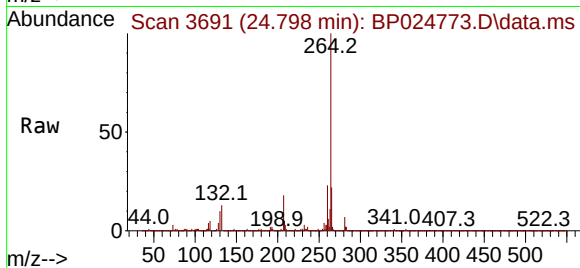
Acq: 23 May 2025 01:11

Instrument :

BNA_P

ClientSampleId :

WC-A4-05-C



Tgt Ion:264 Resp: 777089

Ion Ratio Lower Upper

264 100

260 23.3 18.7 28.1

265 22.4 17.0 25.6

