

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
 Data File : BP024779.D
 Acq On : 23 May 2025 05:15
 Operator : RC/JU
 Sample : Q2079-11
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-A2-03-C

Quant Time: May 23 05:49:23 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)

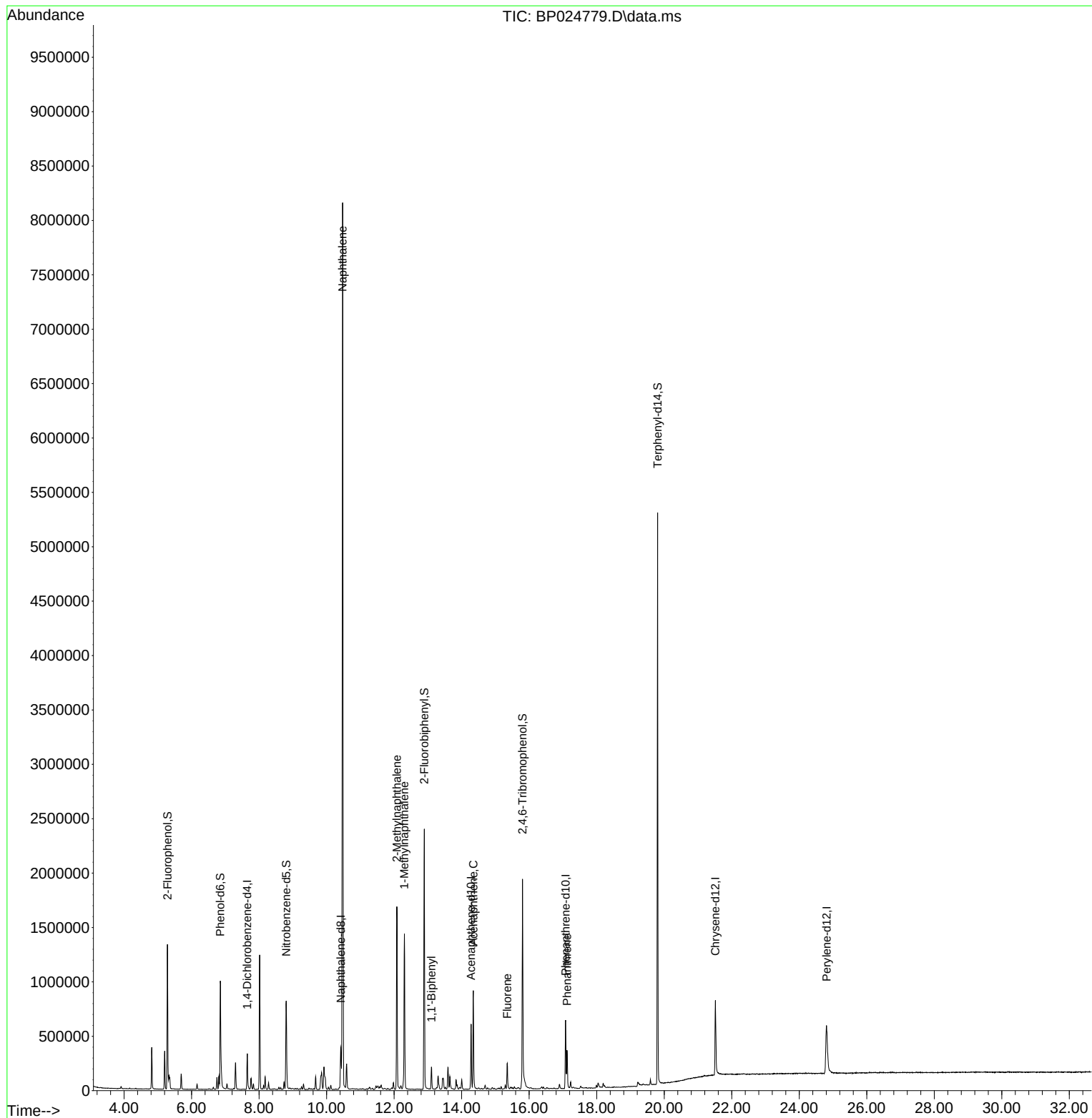
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.652	152	90311	20.000	ng	-0.01
21) Naphthalene-d8	10.422	136	341108	20.000	ng	#-0.01
39) Acenaphthene-d10	14.281	164	209629	20.000	ng	-0.02
64) Phenanthrene-d10	17.081	188	421419	20.000	ng	-0.02
76) Chrysene-d12	21.516	240	510159	20.000	ng	0.00
86) Perylene-d12	24.810	264	663924	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	601055	113.832	ng	0.00
7) Phenol-d6	6.852	99	640185	94.997	ng	0.00
23) Nitrobenzene-d5	8.805	82	469306	69.516	ng	0.00
42) 2,4,6-Tribromophenol	15.804	330	530300	149.220	ng	0.00
45) 2-Fluorobiphenyl	12.893	172	1241727	77.605	ng	-0.01
79) Terphenyl-d14	19.804	244	2387814	80.257	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.475	128	6746808	381.682	ng	99
37) 2-Methylnaphthalene	12.081	142	776000	67.798	ng	99
38) 1-Methylnaphthalene	12.304	142	645720	52.726	ng	100
46) 1,1'-Biphenyl	13.104	154	118692	7.661	ng	99
52) Acenaphthene	14.346	154	339474	29.869	ng	100
58) Fluorene	15.351	166	125768	8.508	ng	100
71) Phenanthrene	17.122	178	243735	10.404	ng	99

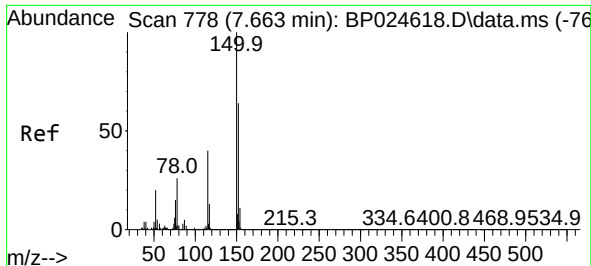
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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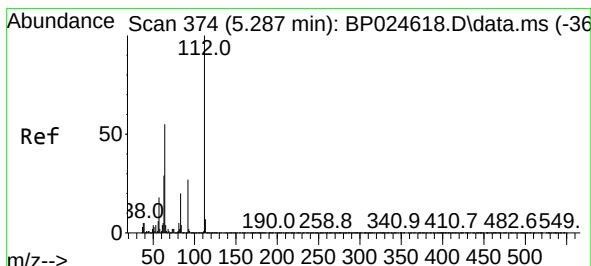
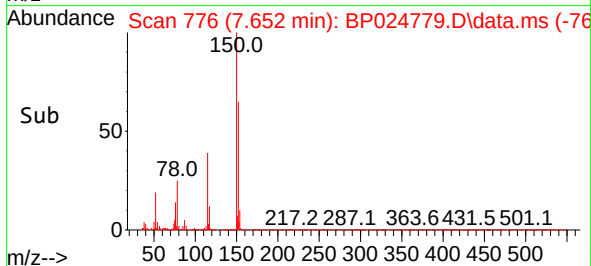
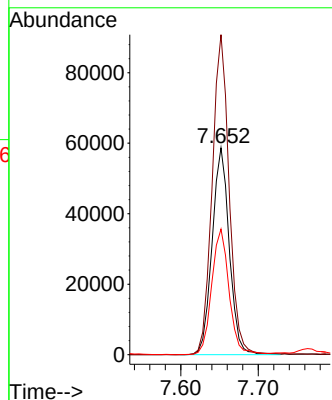
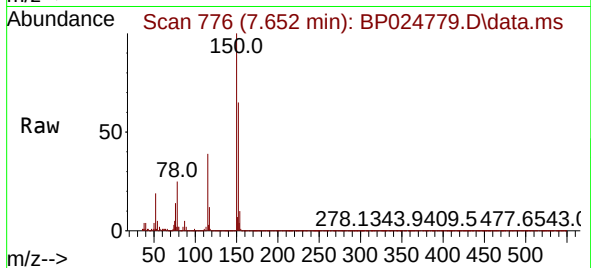




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.652 min Scan# 778
Delta R.T. -0.011 min
Lab File: BP024779.D
Acq: 23 May 2025 05:15

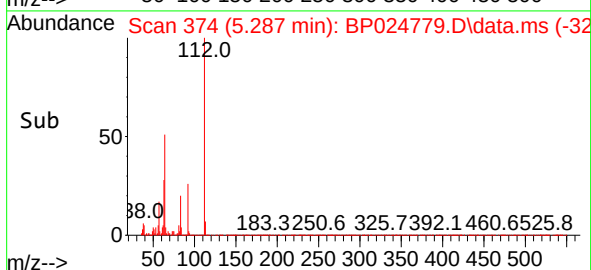
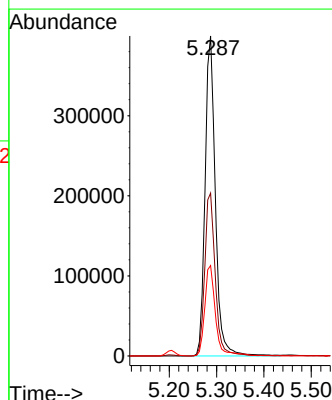
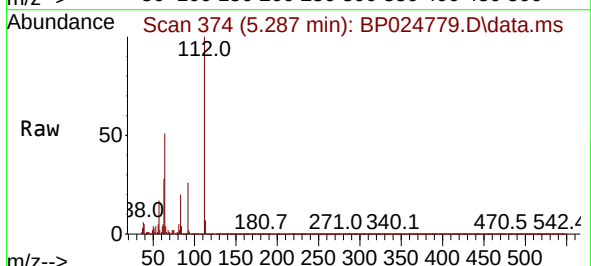
Instrument :
BNA_P
ClientSampleId :
WC-A2-03-C

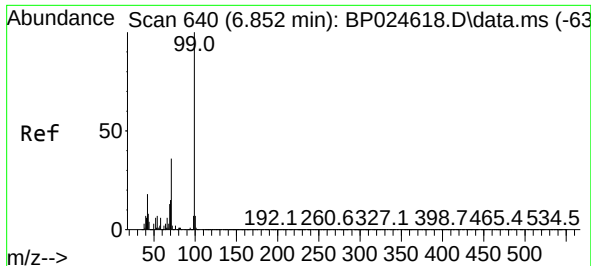
Tgt Ion:152 Resp: 90311
Ion Ratio Lower Upper
152 100
150 154.6 125.9 188.9
115 60.7 50.1 75.1



#5
2-Fluorophenol
Concen: 113.832 ng
RT: 5.287 min Scan# 374
Delta R.T. 0.000 min
Lab File: BP024779.D
Acq: 23 May 2025 05:15

Tgt Ion:112 Resp: 601055
Ion Ratio Lower Upper
112 100
64 50.9 44.1 66.1
63 28.3 23.5 35.3

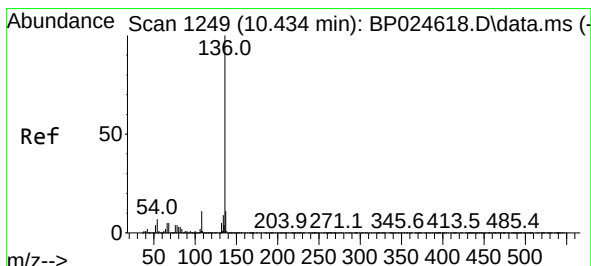
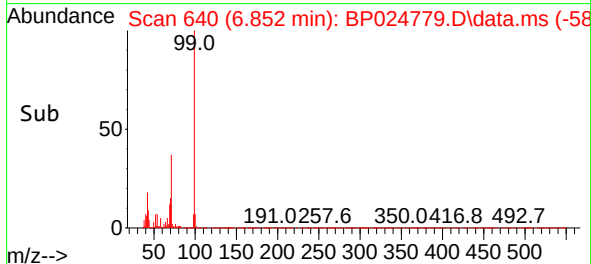
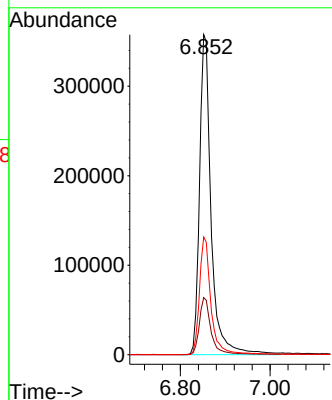
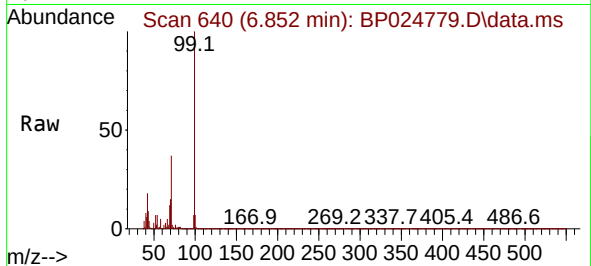




#7
Phenol-d6
Concen: 94.997 ng
RT: 6.852 min Scan# 640
Delta R.T. 0.000 min
Lab File: BP024779.D
Acq: 23 May 2025 05:15

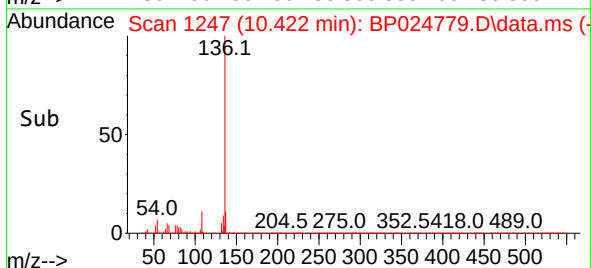
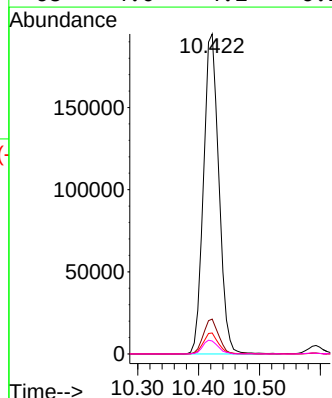
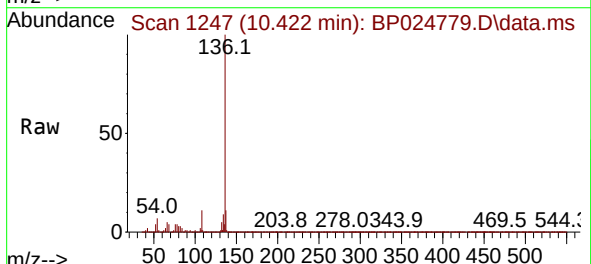
Instrument :
BNA_P
ClientSampleId :
WC-A2-03-C

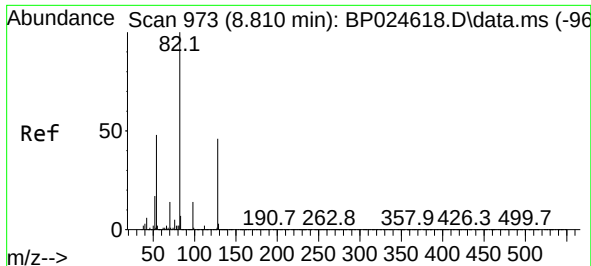
Tgt Ion: 99 Resp: 640185
Ion Ratio Lower Upper
99 100
42 17.9 14.4 21.6
71 36.8 29.2 43.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.422 min Scan# 1247
Delta R.T. -0.012 min
Lab File: BP024779.D
Acq: 23 May 2025 05:15

Tgt Ion:136 Resp: 341108
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.5 5.5 8.3
68 4.0 4.2 6.2#

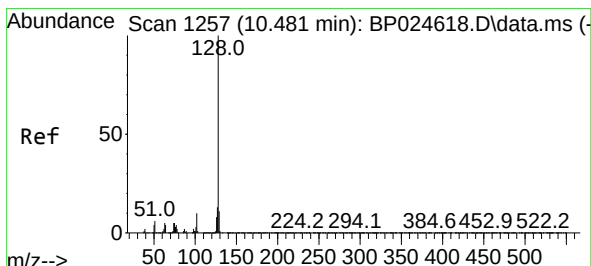
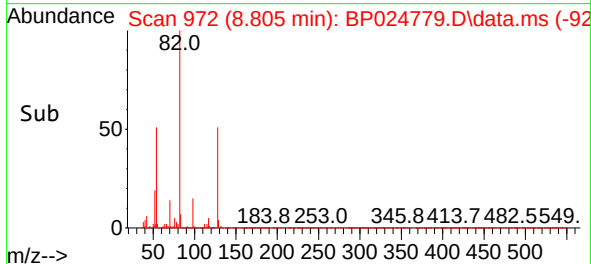
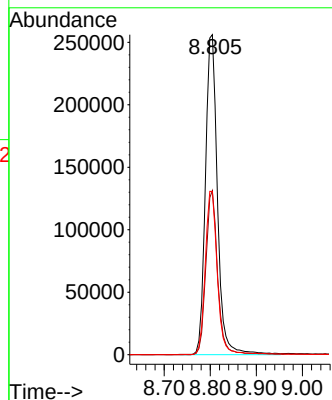
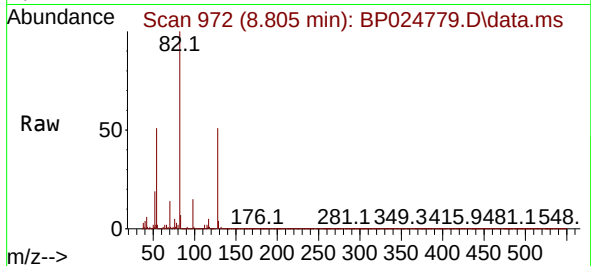




#23
Nitrobenzene-d5
Concen: 69.516 ng
RT: 8.805 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024779.D
Acq: 23 May 2025 05:15

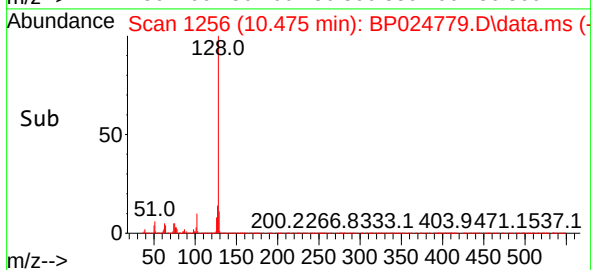
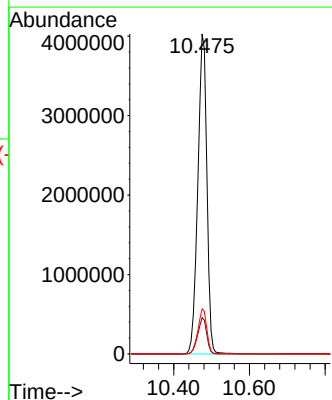
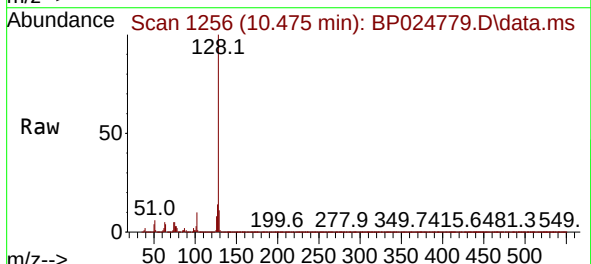
Instrument :
BNA_P
ClientSampleId :
WC-A2-03-C

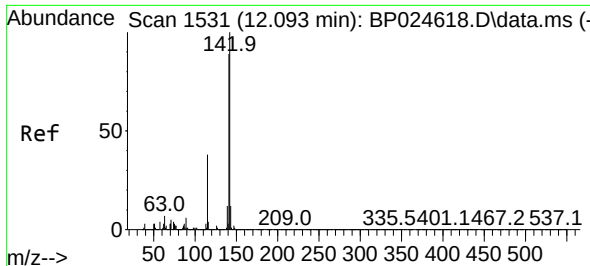
Tgt Ion: 82 Resp: 469306
Ion Ratio Lower Upper
82 100
128 51.3 37.0 55.4
54 51.0 38.7 58.1



#31
Naphthalene
Concen: 381.682 ng
RT: 10.475 min Scan# 1256
Delta R.T. -0.006 min
Lab File: BP024779.D
Acq: 23 May 2025 05:15

Tgt Ion:128 Resp: 6746808
Ion Ratio Lower Upper
128 100
129 11.4 8.8 13.2
127 14.1 10.7 16.1

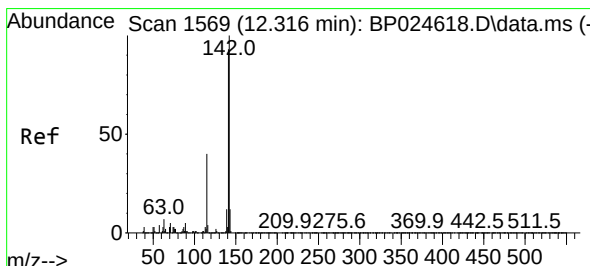
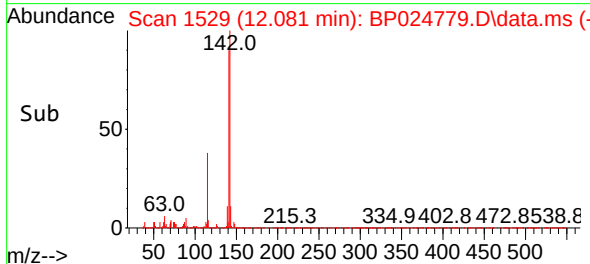
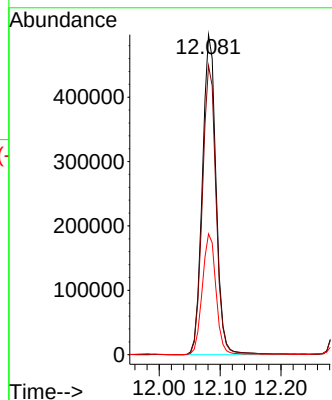
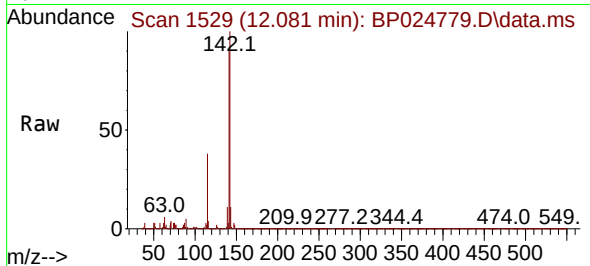




#37
2-Methylnaphthalene
Concen: 67.798 ng
RT: 12.081 min Scan# 1529
Delta R.T. -0.012 min
Lab File: BP024779.D
Acq: 23 May 2025 05:15

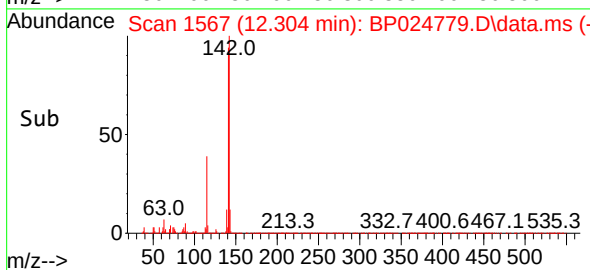
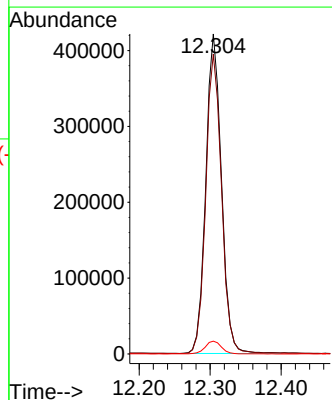
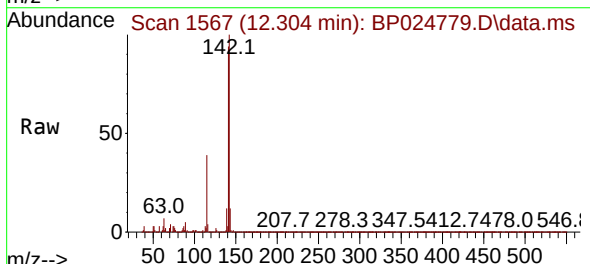
Instrument :
BNA_P
ClientSampleId :
WC-A2-03-C

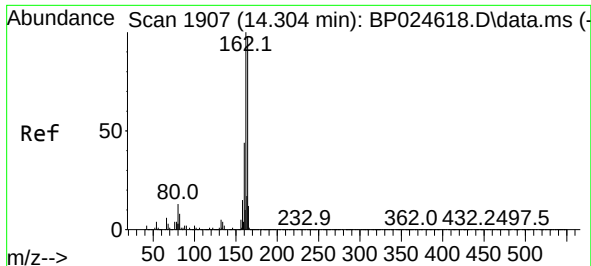
Tgt Ion:142 Resp: 776000
Ion Ratio Lower Upper
142 100
141 90.3 71.2 106.8
115 37.7 30.6 46.0



#38
1-Methylnaphthalene
Concen: 52.726 ng
RT: 12.304 min Scan# 1567
Delta R.T. -0.012 min
Lab File: BP024779.D
Acq: 23 May 2025 05:15

Tgt Ion:142 Resp: 645720
Ion Ratio Lower Upper
142 100
141 93.7 74.7 112.1
116 4.0 3.4 5.2

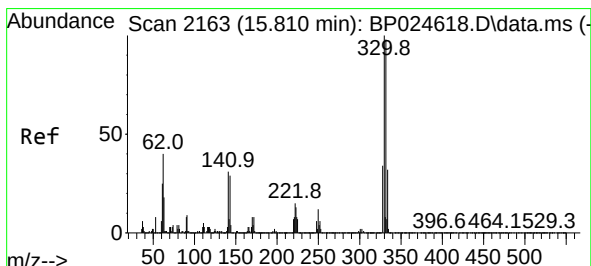
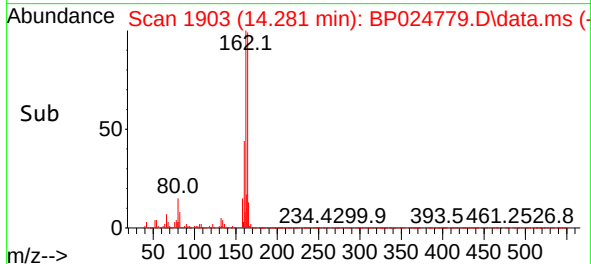
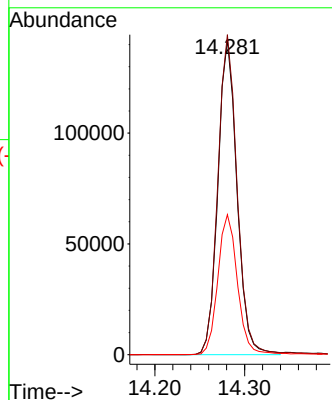
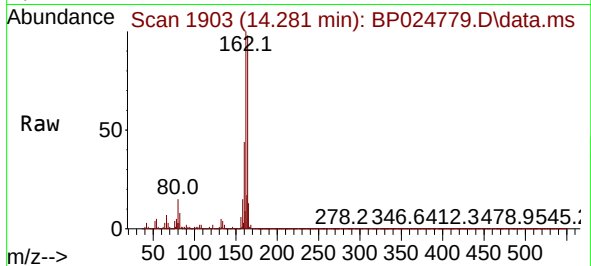




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.281 min Scan# 1903
Delta R.T. -0.023 min
Lab File: BP024779.D
Acq: 23 May 2025 05:15

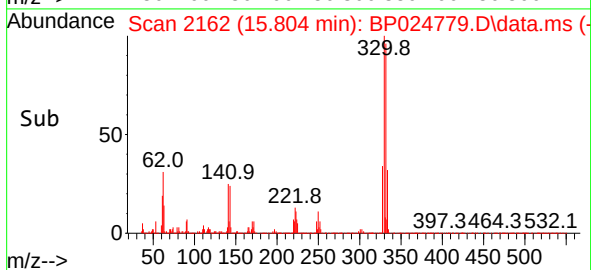
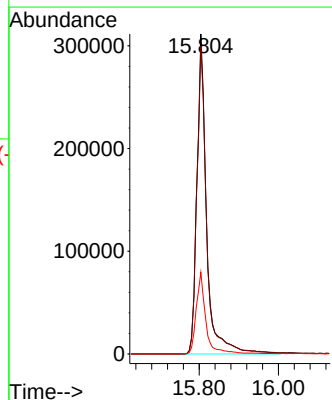
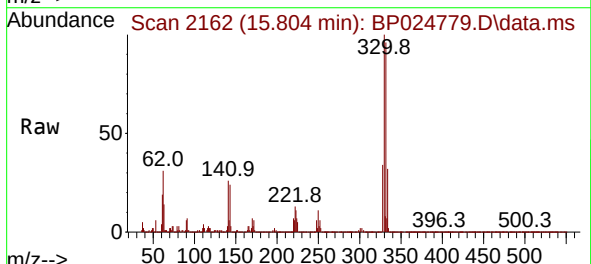
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ClientSampleId :
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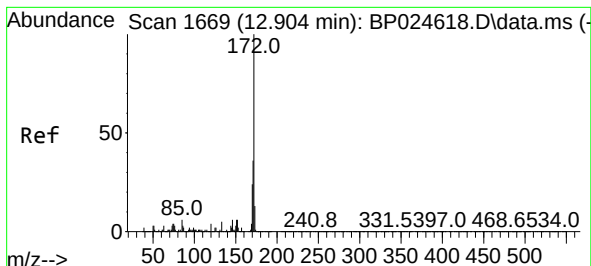
Tgt Ion:164 Resp: 209629
Ion Ratio Lower Upper
164 100
162 101.7 81.8 122.6
160 44.5 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 149.220 ng
RT: 15.804 min Scan# 2162
Delta R.T. -0.006 min
Lab File: BP024779.D
Acq: 23 May 2025 05:15

Tgt Ion:330 Resp: 530300
Ion Ratio Lower Upper
330 100
332 97.8 78.2 117.4
141 24.9 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 77.605 ng

RT: 12.893 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP024779.D

Acq: 23 May 2025 05:15

Instrument :

BNA_P

ClientSampleId :

WC-A2-03-C

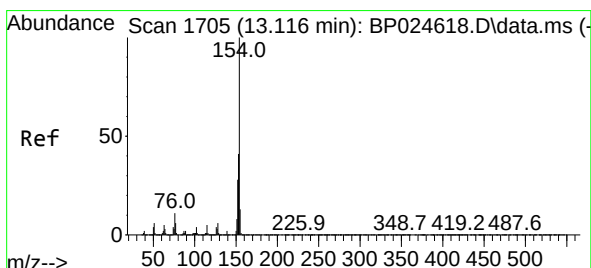
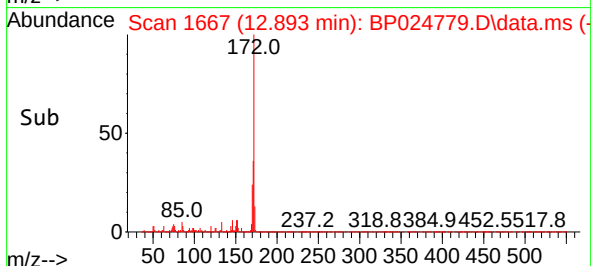
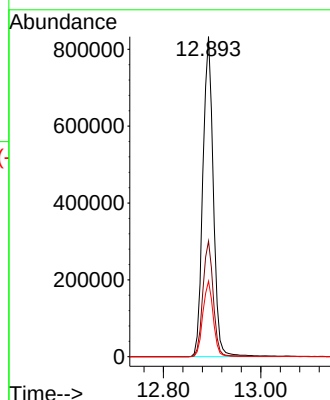
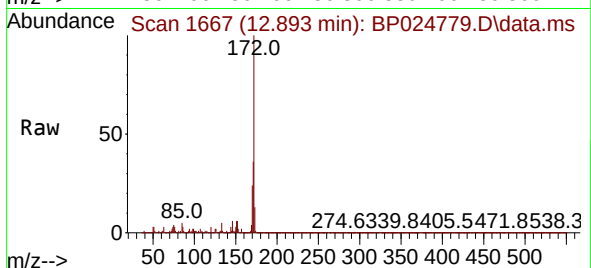
Tgt Ion:172 Resp: 1241727

Ion Ratio Lower Upper

172 100

171 36.1 28.8 43.2

170 23.6 18.8 28.2



#46

1,1'-Biphenyl

Concen: 7.661 ng

RT: 13.104 min Scan# 1703

Delta R.T. -0.012 min

Lab File: BP024779.D

Acq: 23 May 2025 05:15

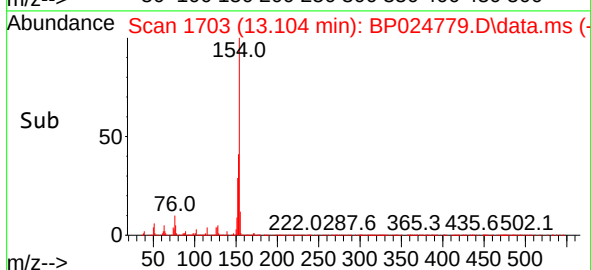
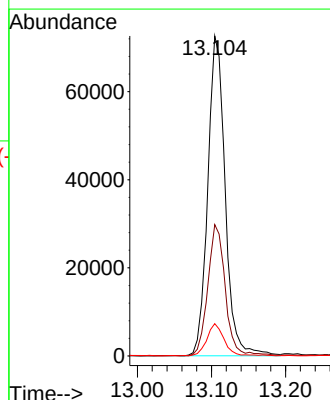
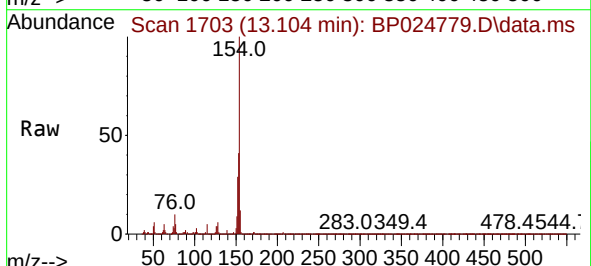
Tgt Ion:154 Resp: 118692

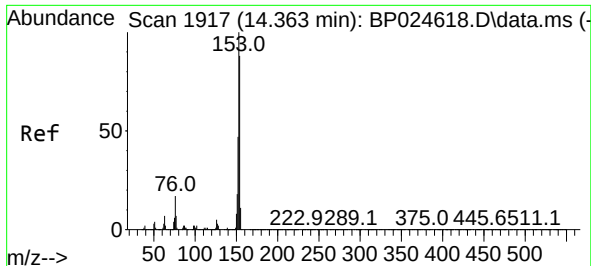
Ion Ratio Lower Upper

154 100

153 41.0 21.0 61.0

76 10.1 0.0 31.5

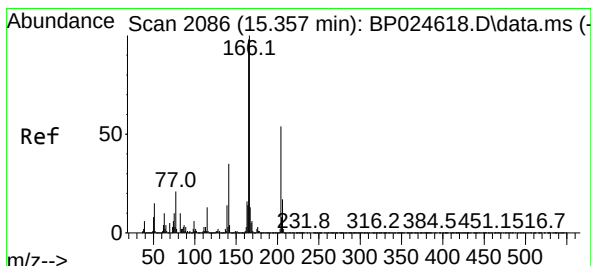
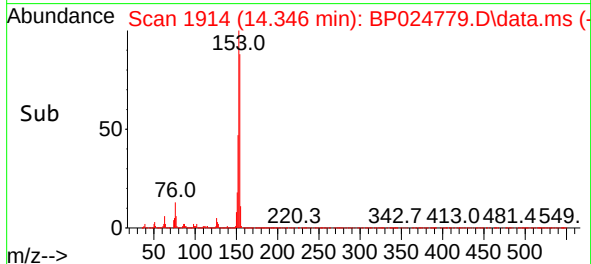
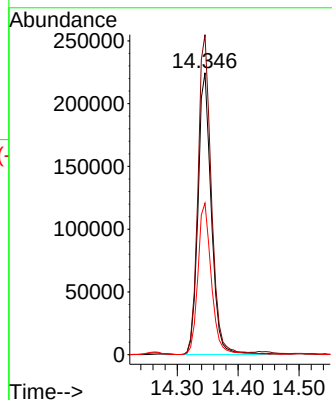
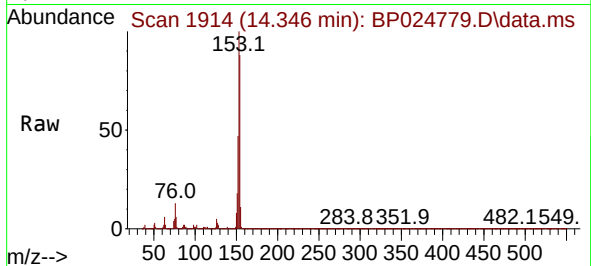




#52
Acenaphthene
Concen: 29.869 ng
RT: 14.346 min Scan# 1914
Delta R.T. -0.018 min
Lab File: BP024779.D
Acq: 23 May 2025 05:15

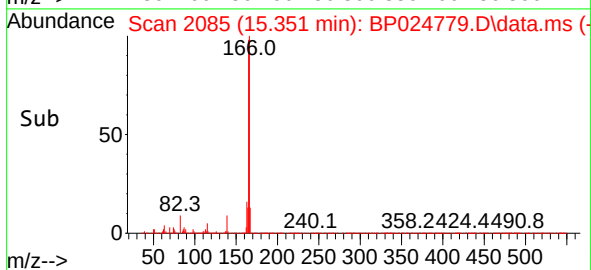
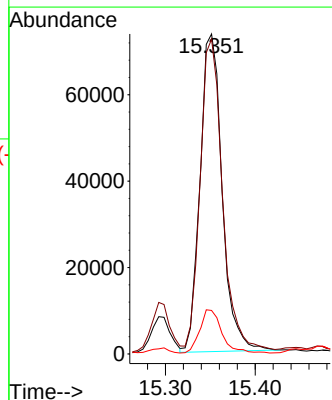
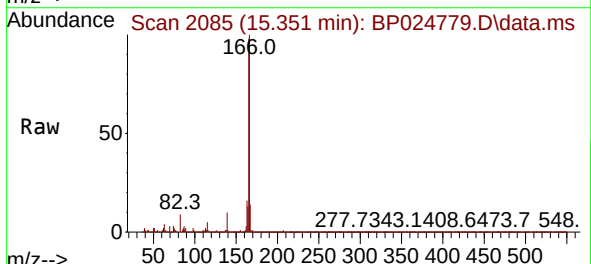
Instrument :
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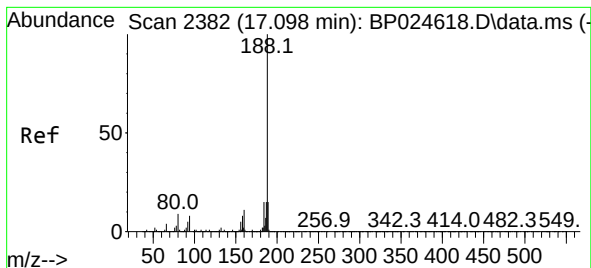
Tgt Ion:154 Resp: 339474
Ion Ratio Lower Upper
154 100
153 113.5 91.0 136.4
152 53.7 42.9 64.3



#58
Fluorene
Concen: 8.508 ng
RT: 15.351 min Scan# 2085
Delta R.T. -0.006 min
Lab File: BP024779.D
Acq: 23 May 2025 05:15

Tgt Ion:166 Resp: 125768
Ion Ratio Lower Upper
166 100
165 98.4 78.5 117.7
167 13.6 10.7 16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.081 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP024779.D

Acq: 23 May 2025 05:15

Instrument :

BNA_P

ClientSampleId :

WC-A2-03-C

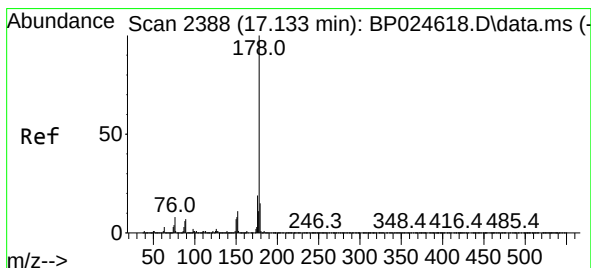
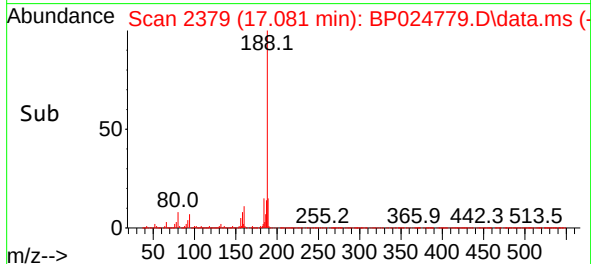
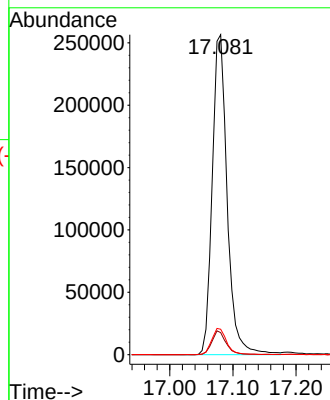
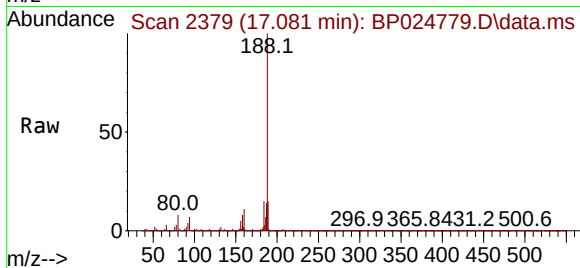
Tgt Ion:188 Resp: 421419

Ion Ratio Lower Upper

188 100

94 6.9 6.5 9.7

80 7.9 7.3 10.9



#71

Phenanthrene

Concen: 10.404 ng

RT: 17.122 min Scan# 2386

Delta R.T. -0.012 min

Lab File: BP024779.D

Acq: 23 May 2025 05:15

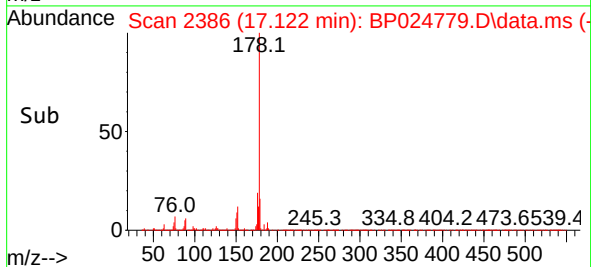
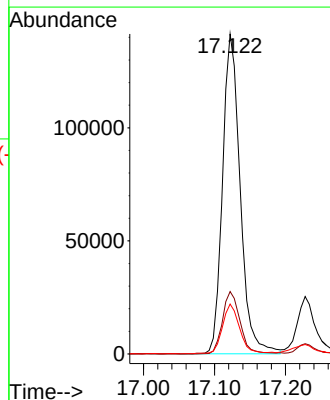
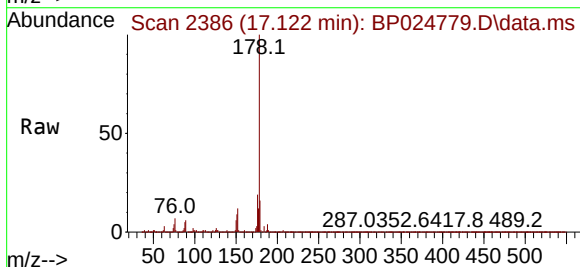
Tgt Ion:178 Resp: 243735

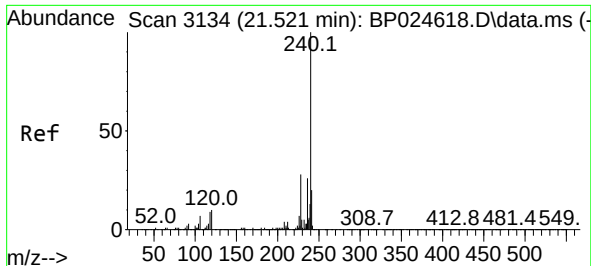
Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.2

179 15.6 12.2 18.4

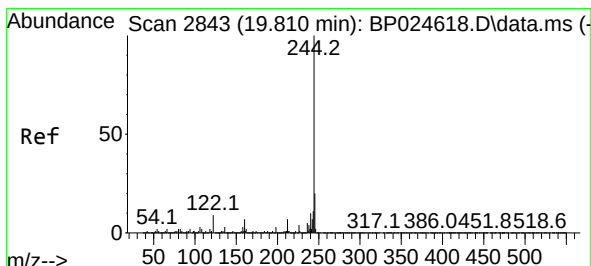
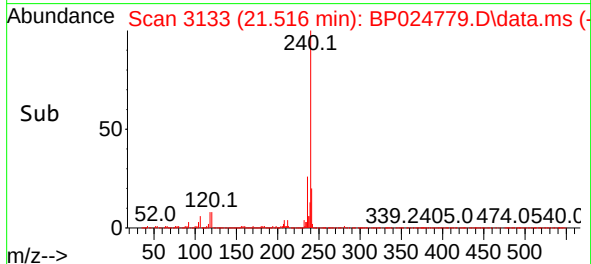
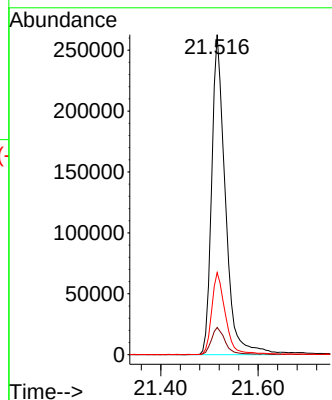
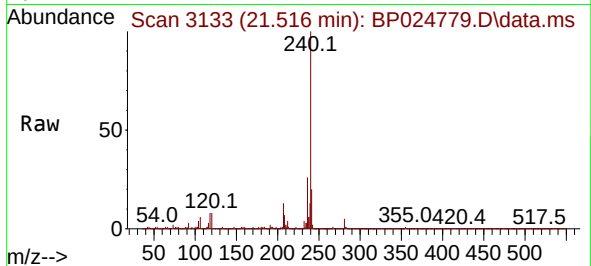




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.516 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BP024779.D
Acq: 23 May 2025 05:15

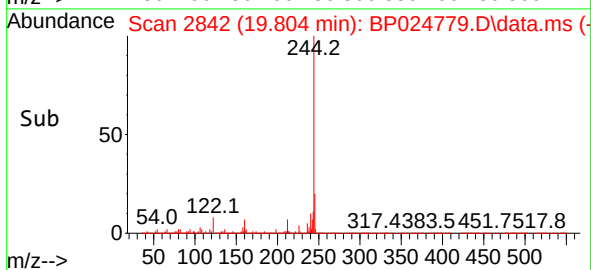
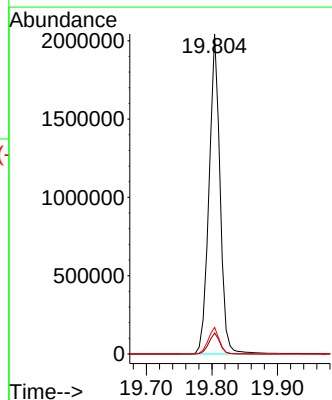
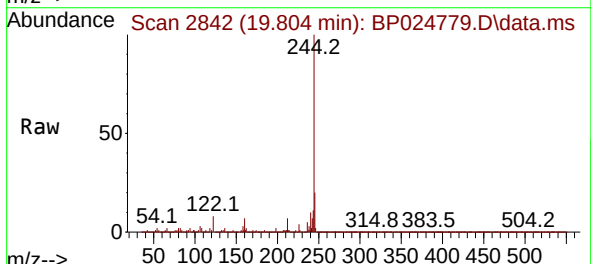
Instrument :
BNA_P
ClientSampleId :
WC-A2-03-C

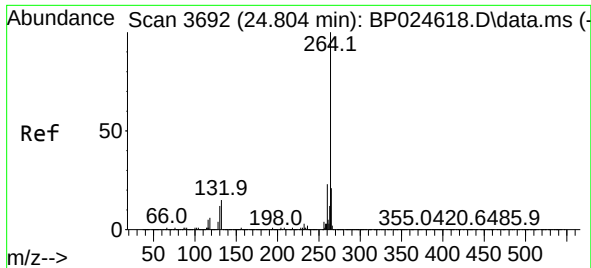
Tgt Ion:240 Resp: 510159
Ion Ratio Lower Upper
240 100
120 8.5 7.8 11.6
236 25.6 20.6 31.0



#79
Terphenyl-d14
Concen: 80.257 ng
RT: 19.804 min Scan# 2842
Delta R.T. -0.006 min
Lab File: BP024779.D
Acq: 23 May 2025 05:15

Tgt Ion:244 Resp: 2387814
Ion Ratio Lower Upper
244 100
212 6.6 5.5 8.3
122 8.3 7.4 11.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.810 min Scan# 30
 Delta R.T. 0.006 min
 Lab File: BP024779.D
 Acq: 23 May 2025 05:15

Instrument :
 BNA_P
 ClientSampleId :
 WC-A2-03-C

Tgt Ion:264 Resp: 663924
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.7 28.1
 265 21.9 17.0 25.6

