

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
 Data File : BP024775.D
 Acq On : 23 May 2025 02:32
 Operator : RC/JU
 Sample : Q2078-15
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-A1-07A-C

Quant Time: May 23 03:31:51 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)

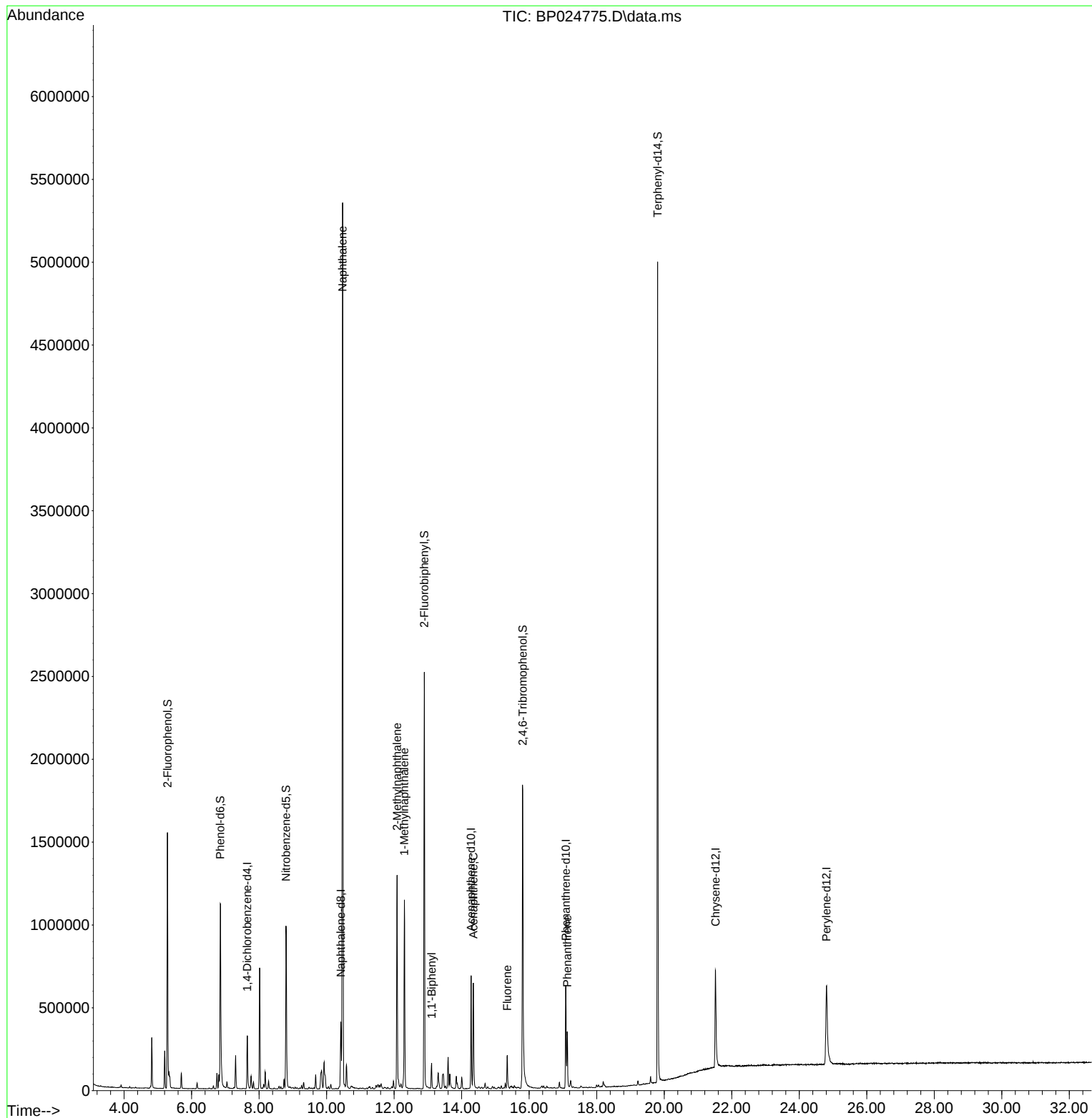
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.652	152	90407	20.000	ng	-0.01
21) Naphthalene-d8	10.422	136	348084	20.000	ng	-0.01
39) Acenaphthene-d10	14.281	164	214481	20.000	ng	-0.02
64) Phenanthrene-d10	17.086	188	409751	20.000	ng	-0.01
76) Chrysene-d12	21.521	240	526921	20.000	ng	0.00
86) Perylene-d12	24.804	264	668650	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	689314	130.408	ng	0.00
7) Phenol-d6	6.852	99	729480	108.133	ng	0.00
23) Nitrobenzene-d5	8.799	82	534007	77.514	ng	-0.01
42) 2,4,6-Tribromophenol	15.810	330	586689	161.352	ng	0.00
45) 2-Fluorobiphenyl	12.893	172	1371688	83.787	ng	-0.01
79) Terphenyl-d14	19.804	244	2677570	87.133	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.475	128	4487453	248.777	ng	100
37) 2-Methylnaphthalene	12.087	142	580946	49.739	ng	99
38) 1-Methylnaphthalene	12.304	142	507115	40.579	ng	99
46) 1,1'-Biphenyl	13.110	154	88560	5.586	ng	99
52) Acenaphthene	14.345	154	260374	22.391	ng	99
58) Fluorene	15.351	166	100748	6.661	ng	99
71) Phenanthrene	17.128	178	210414	9.237	ng	99

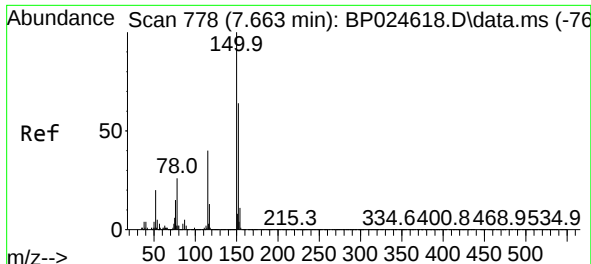
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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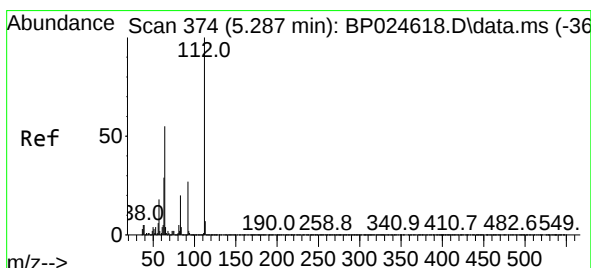
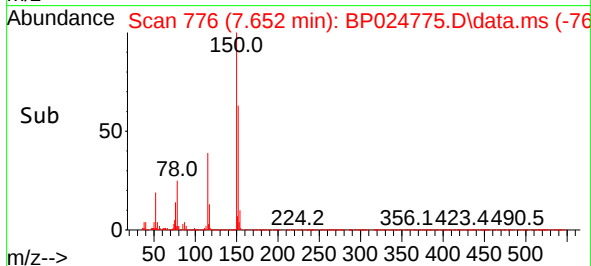
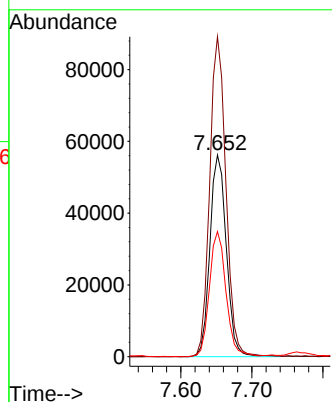
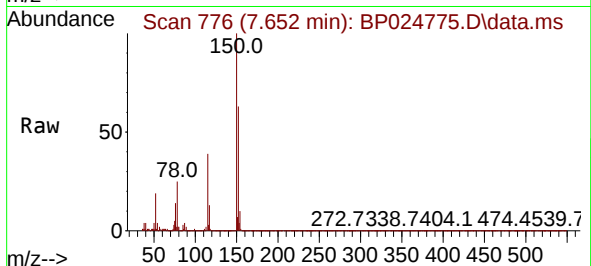




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.652 min Scan# 778
Delta R.T. -0.011 min
Lab File: BP024775.D
Acq: 23 May 2025 02:32

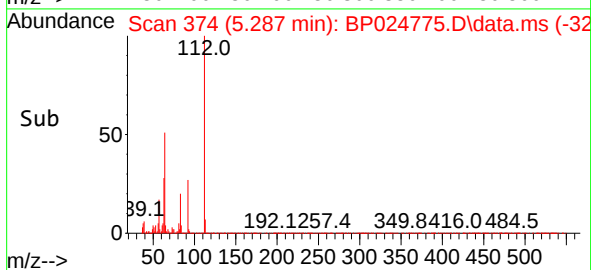
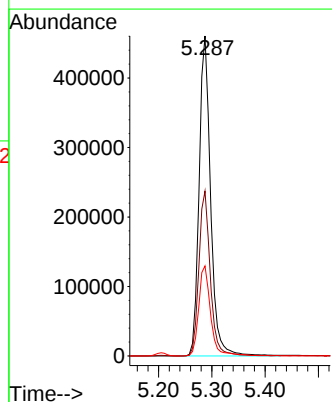
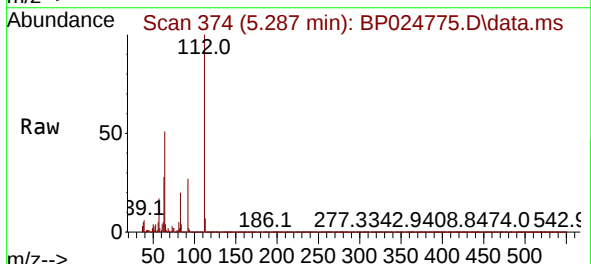
Instrument :
BNA_P
ClientSampleId :
WC-A1-07A-C

Tgt Ion:152 Resp: 90407
Ion Ratio Lower Upper
152 100
150 158.7 125.9 188.9
115 62.0 50.1 75.1



#5
2-Fluorophenol
Concen: 130.408 ng
RT: 5.287 min Scan# 374
Delta R.T. 0.000 min
Lab File: BP024775.D
Acq: 23 May 2025 02:32

Tgt Ion:112 Resp: 689314
Ion Ratio Lower Upper
112 100
64 51.5 44.1 66.1
63 28.1 23.5 35.3

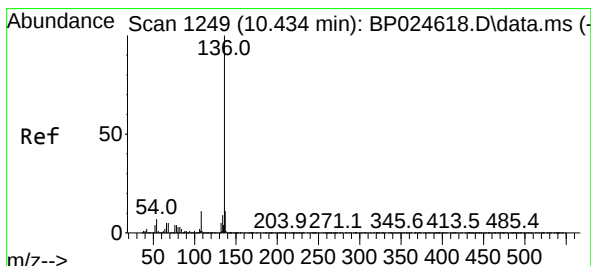
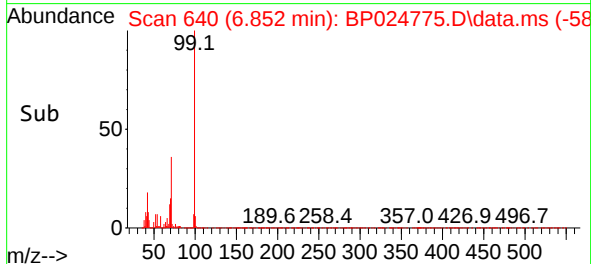
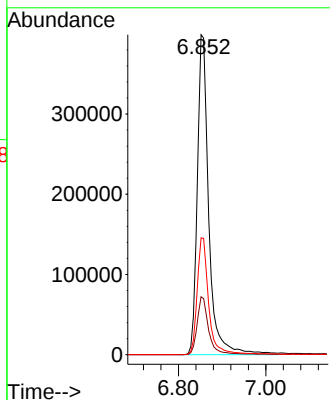
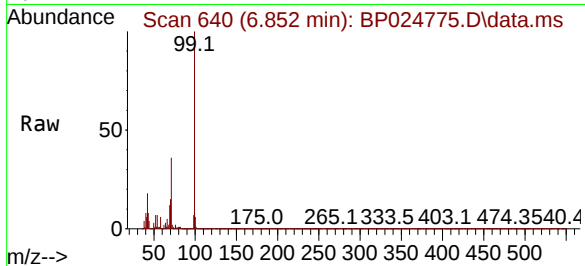




#7
Phenol-d6
Concen: 108.133 ng
RT: 6.852 min Scan# 640
Delta R.T. 0.000 min
Lab File: BP024775.D
Acq: 23 May 2025 02:32

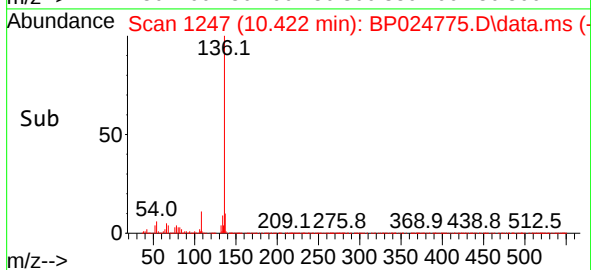
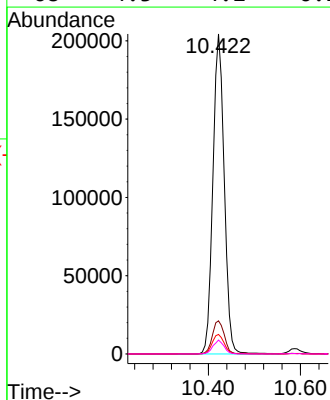
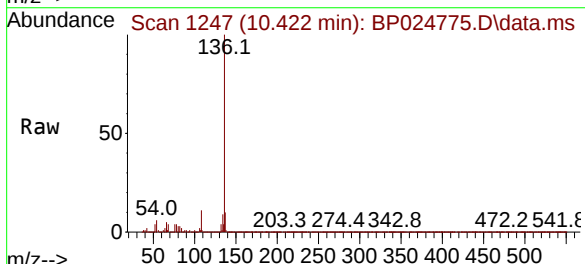
Instrument :
BNA_P
ClientSampleId :
WC-A1-07A-C

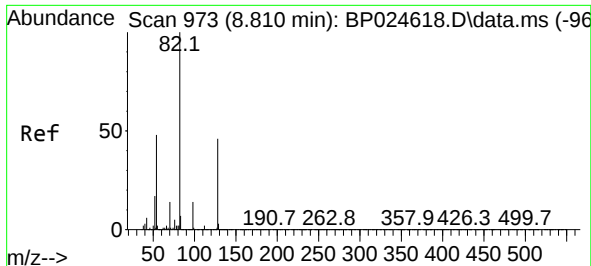
Tgt Ion: 99 Resp: 729480
Ion Ratio Lower Upper
99 100
42 18.1 14.4 21.6
71 36.5 29.2 43.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.422 min Scan# 1247
Delta R.T. -0.012 min
Lab File: BP024775.D
Acq: 23 May 2025 02:32

Tgt Ion: 136 Resp: 348084
Ion Ratio Lower Upper
136 100
137 10.3 8.8 13.2
54 6.1 5.5 8.3
68 4.3 4.2 6.2

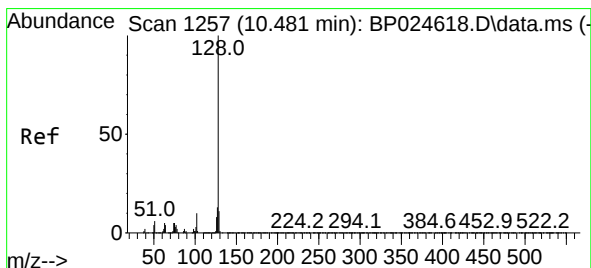
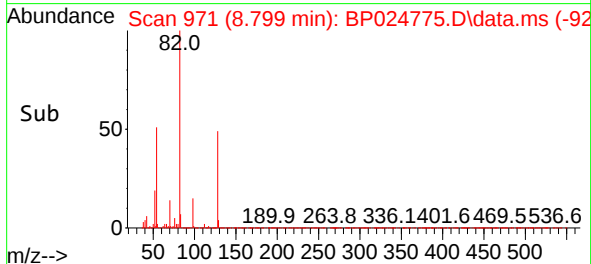
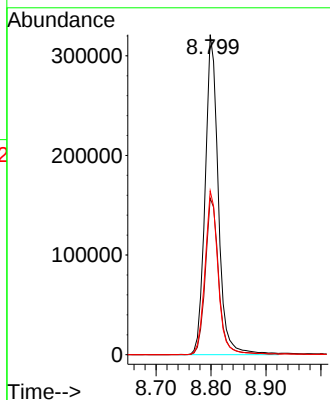
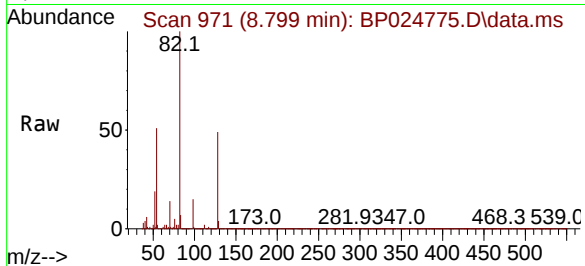




#23
Nitrobenzene-d5
Concen: 77.514 ng
RT: 8.799 min Scan# 91
Delta R.T. -0.012 min
Lab File: BP024775.D
Acq: 23 May 2025 02:32

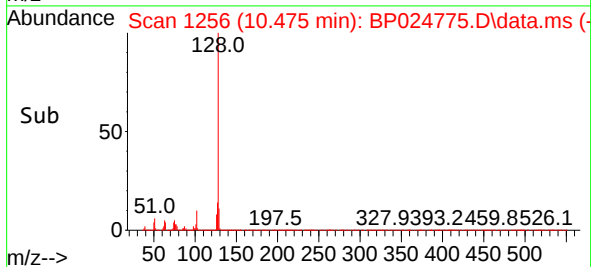
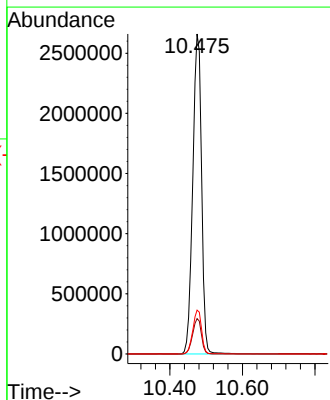
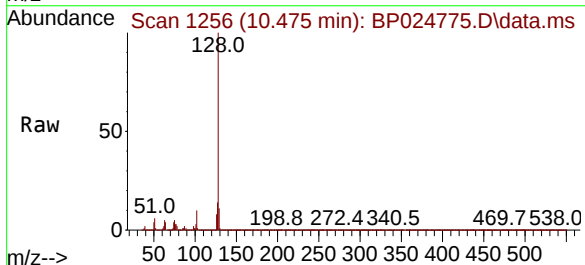
Instrument :
BNA_P
ClientSampleId :
WC-A1-07A-C

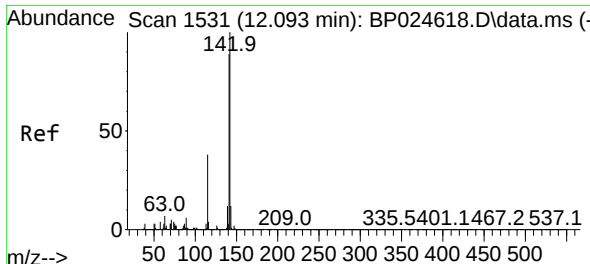
Tgt Ion: 82 Resp: 534007
Ion Ratio Lower Upper
82 100
128 48.9 37.0 55.4
54 51.2 38.7 58.1



#31
Naphthalene
Concen: 248.777 ng
RT: 10.475 min Scan# 1256
Delta R.T. -0.006 min
Lab File: BP024775.D
Acq: 23 May 2025 02:32

Tgt Ion:128 Resp: 4487453
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.7 10.7 16.1

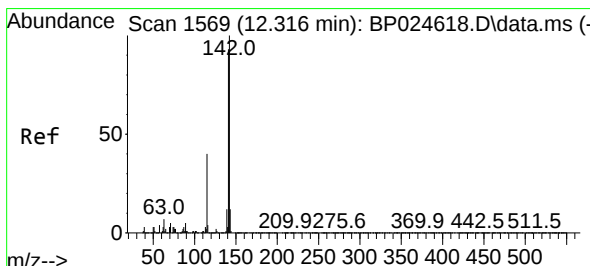
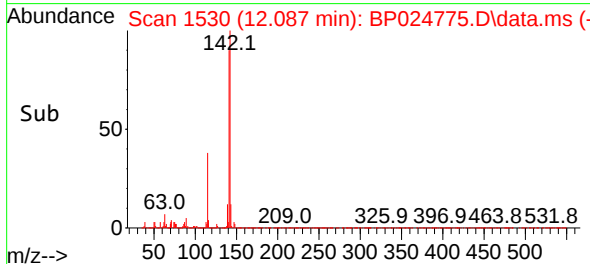
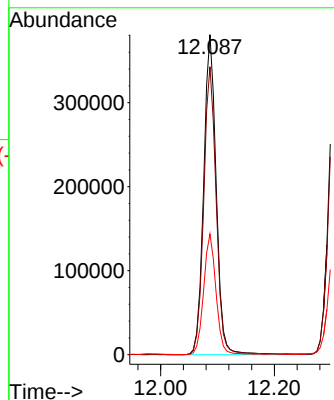
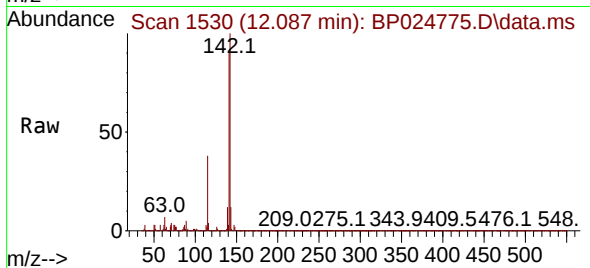




#37
2-Methylnaphthalene
Concen: 49.739 ng
RT: 12.087 min Scan# 1530
Delta R.T. -0.006 min
Lab File: BP024775.D
Acq: 23 May 2025 02:32

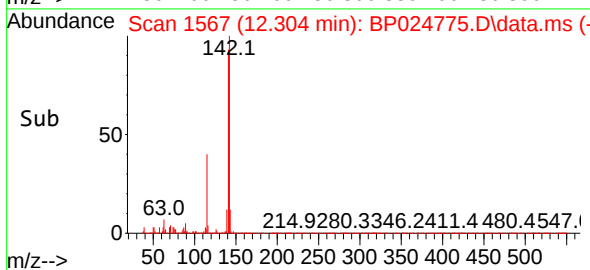
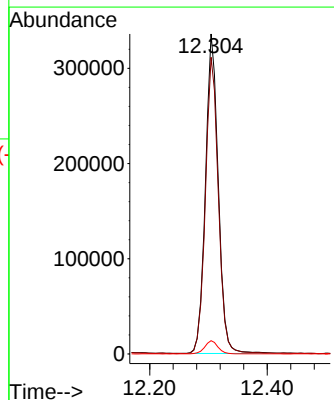
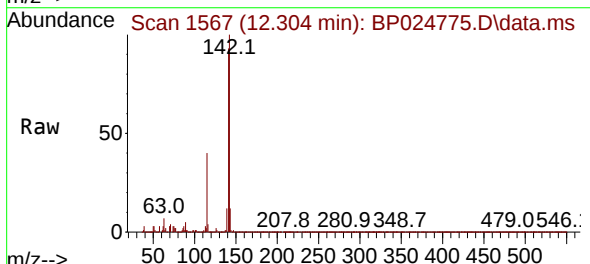
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WC-A1-07A-C

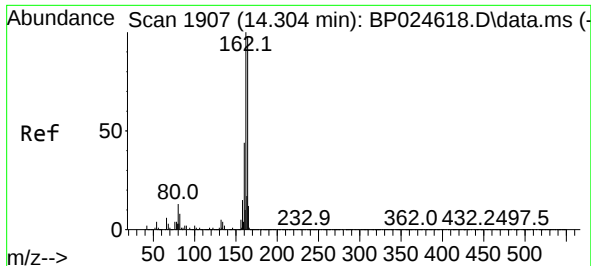
Tgt Ion:142 Resp: 580946
Ion Ratio Lower Upper
142 100
141 90.0 71.2 106.8
115 37.7 30.6 46.0



#38
1-Methylnaphthalene
Concen: 40.579 ng
RT: 12.304 min Scan# 1567
Delta R.T. -0.012 min
Lab File: BP024775.D
Acq: 23 May 2025 02:32

Tgt Ion:142 Resp: 507115
Ion Ratio Lower Upper
142 100
141 92.7 74.7 112.1
116 4.1 3.4 5.2

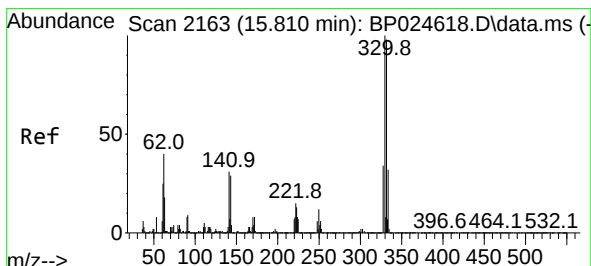
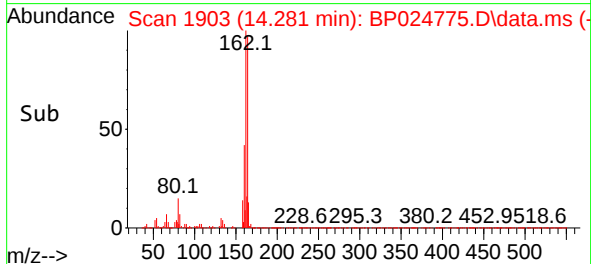
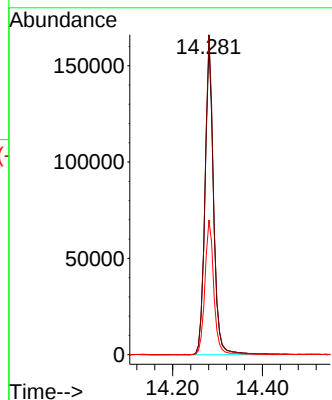
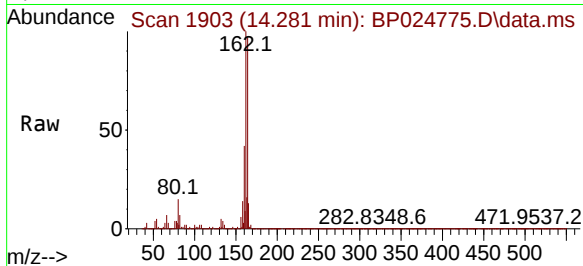




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.281 min Scan# 1903
Delta R.T. -0.024 min
Lab File: BP024775.D
Acq: 23 May 2025 02:32

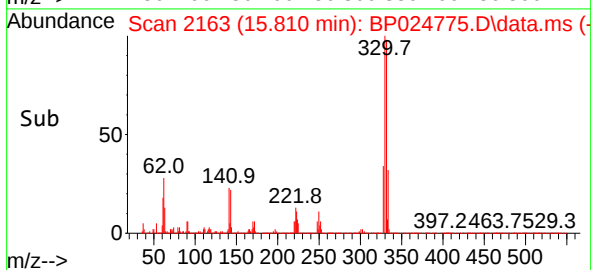
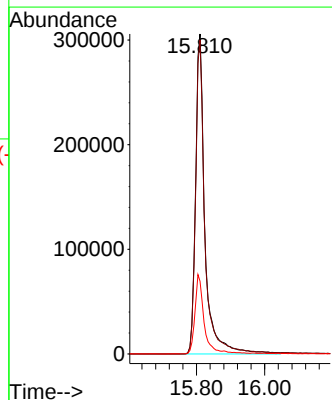
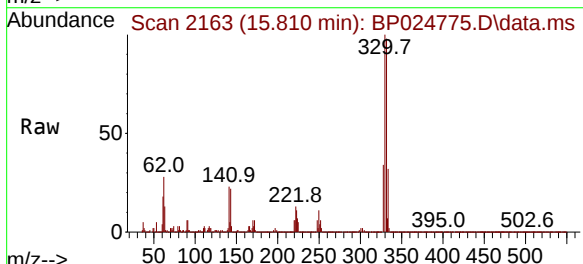
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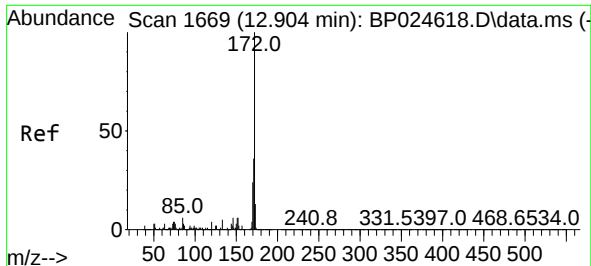
Tgt Ion:164 Resp: 214481
Ion Ratio Lower Upper
164 100
162 103.3 81.8 122.6
160 43.5 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 161.352 ng
RT: 15.810 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BP024775.D
Acq: 23 May 2025 02:32

Tgt Ion:330 Resp: 586689
Ion Ratio Lower Upper
330 100
332 96.5 78.2 117.4
141 24.3 24.3 36.5

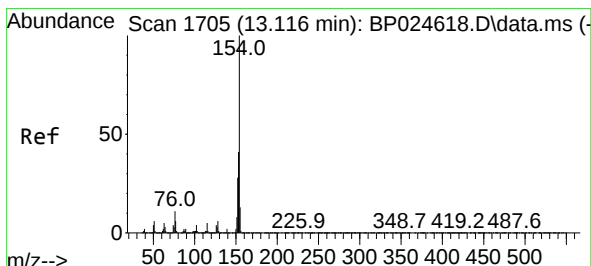
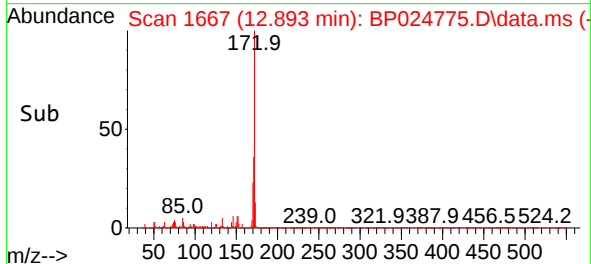
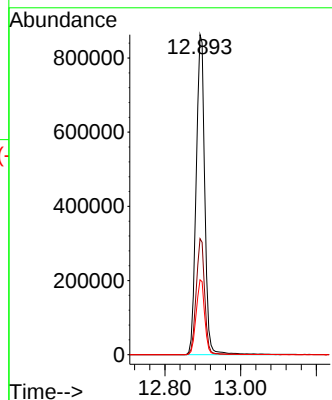
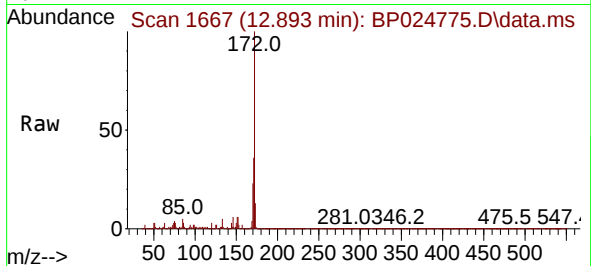




#45
2-Fluorobiphenyl
Concen: 83.787 ng
RT: 12.893 min Scan# 1669
Delta R.T. -0.012 min
Lab File: BP024775.D
Acq: 23 May 2025 02:32

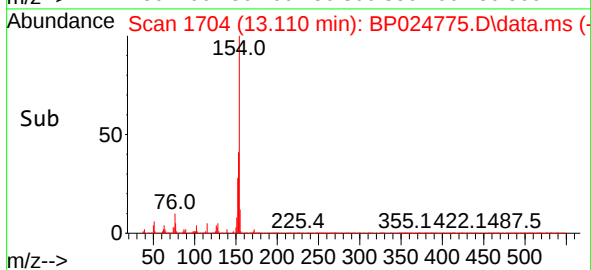
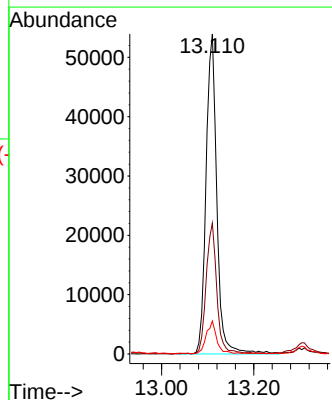
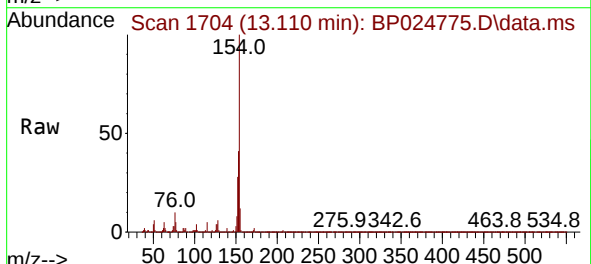
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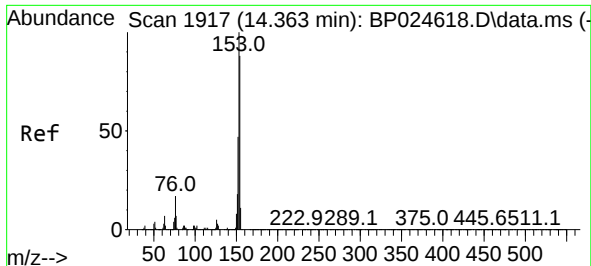
Tgt Ion:172 Resp: 1371688
Ion Ratio Lower Upper
172 100
171 36.3 28.8 43.2
170 23.4 18.8 28.2



#46
1,1'-Biphenyl
Concen: 5.586 ng
RT: 13.110 min Scan# 1704
Delta R.T. -0.006 min
Lab File: BP024775.D
Acq: 23 May 2025 02:32

Tgt Ion:154 Resp: 88560
Ion Ratio Lower Upper
154 100
153 40.9 21.0 61.0
76 10.3 0.0 31.5

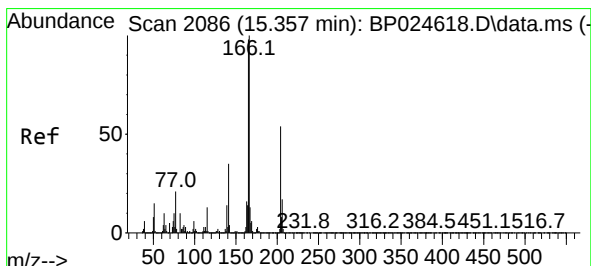
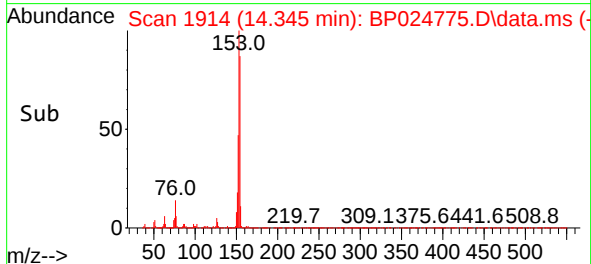
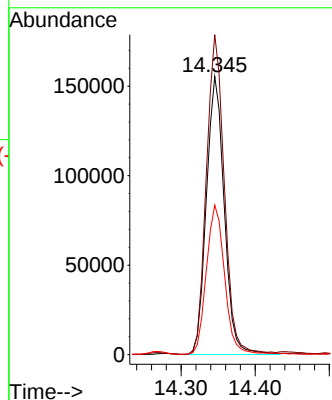
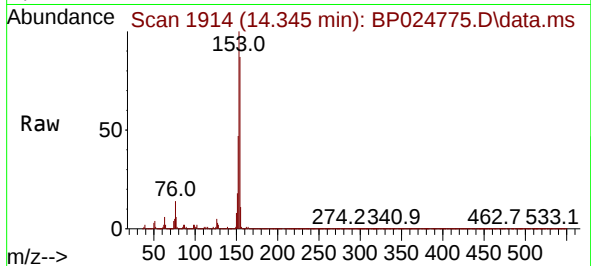




#52
Acenaphthene
Concen: 22.391 ng
RT: 14.345 min Scan# 1914
Delta R.T. -0.018 min
Lab File: BP024775.D
Acq: 23 May 2025 02:32

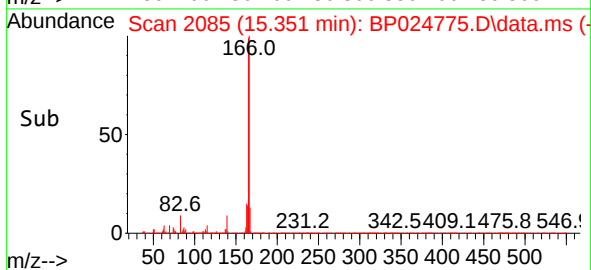
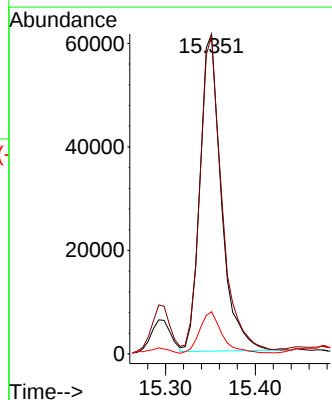
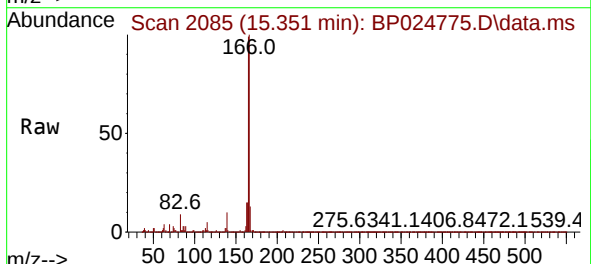
Instrument :
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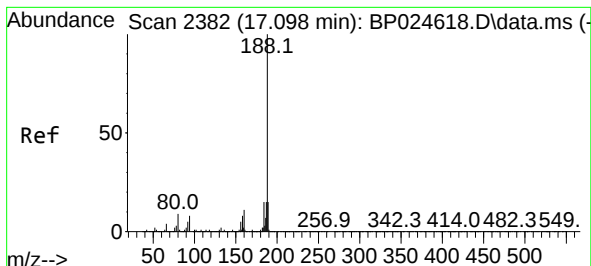
Tgt Ion:154 Resp: 260374
Ion Ratio Lower Upper
154 100
153 115.0 91.0 136.4
152 53.8 42.9 64.3



#58
Fluorene
Concen: 6.661 ng
RT: 15.351 min Scan# 2085
Delta R.T. -0.006 min
Lab File: BP024775.D
Acq: 23 May 2025 02:32

Tgt Ion:166 Resp: 100748
Ion Ratio Lower Upper
166 100
165 99.4 78.5 117.7
167 13.2 10.7 16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.086 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP024775.D

Acq: 23 May 2025 02:32

Instrument :

BNA_P

ClientSampleId :

WC-A1-07A-C

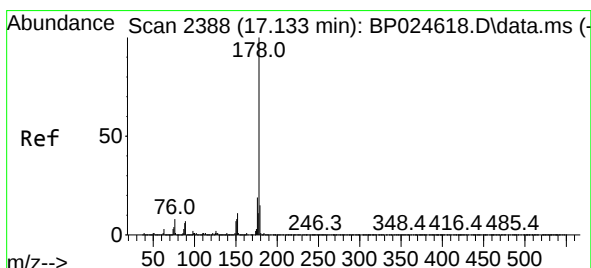
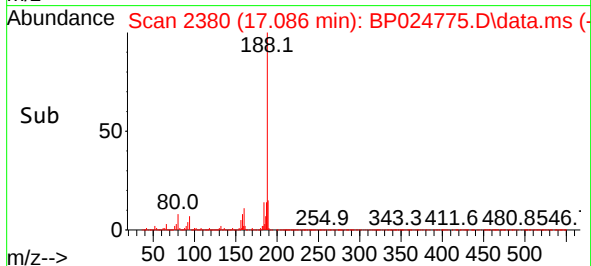
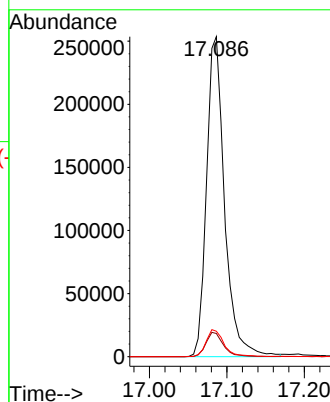
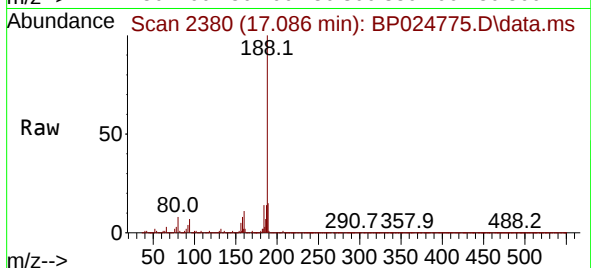
Tgt Ion:188 Resp: 409751

Ion Ratio Lower Upper

188 100

94 7.3 6.5 9.7

80 8.0 7.3 10.9



#71

Phenanthrene

Concen: 9.237 ng

RT: 17.128 min Scan# 2387

Delta R.T. -0.006 min

Lab File: BP024775.D

Acq: 23 May 2025 02:32

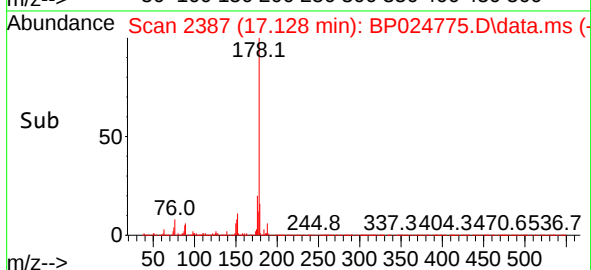
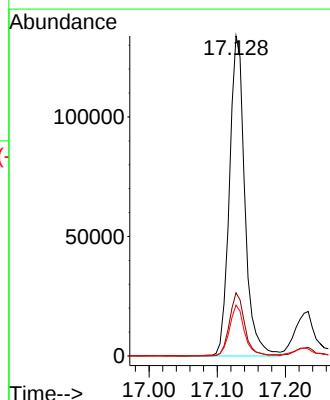
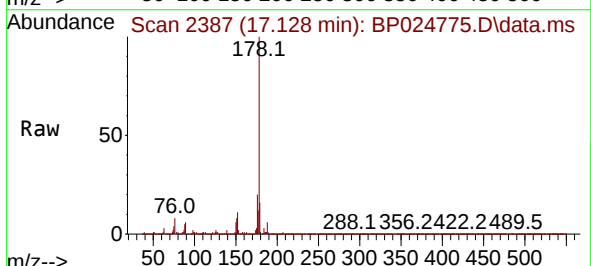
Tgt Ion:178 Resp: 210414

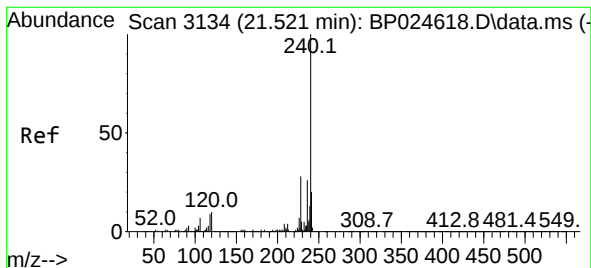
Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.2

179 15.9 12.2 18.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.521 min Scan# 3134

Delta R.T. 0.000 min

Lab File: BP024775.D

Acq: 23 May 2025 02:32

Instrument :

BNA_P

ClientSampleId :

WC-A1-07A-C

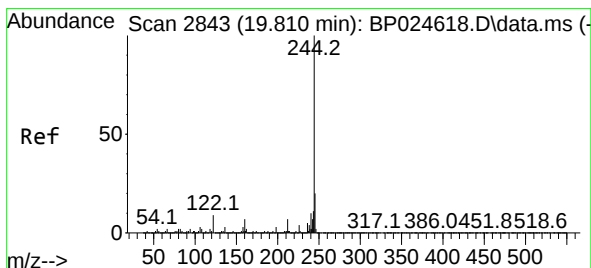
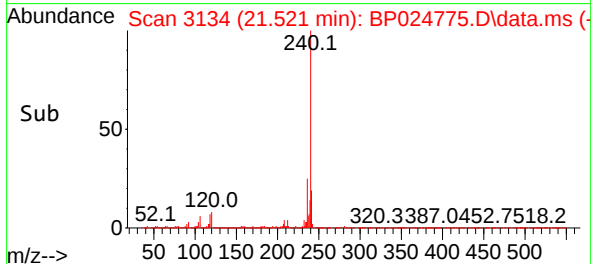
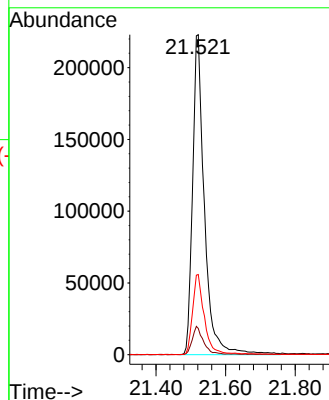
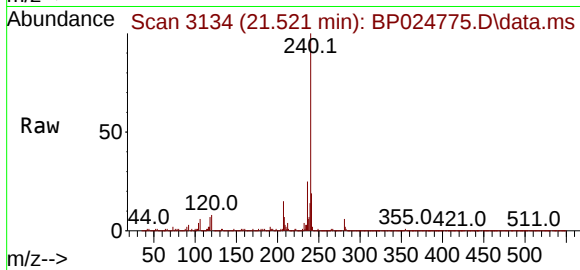
Tgt Ion:240 Resp: 526921

Ion Ratio Lower Upper

240 100

120 8.2 7.8 11.6

236 25.0 20.6 31.0



#79

Terphenyl-d14

Concen: 87.133 ng

RT: 19.804 min Scan# 2842

Delta R.T. -0.006 min

Lab File: BP024775.D

Acq: 23 May 2025 02:32

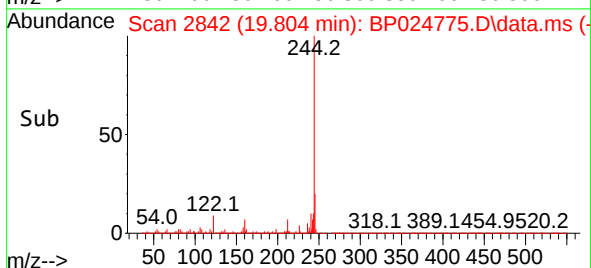
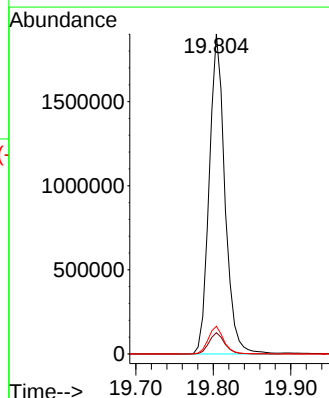
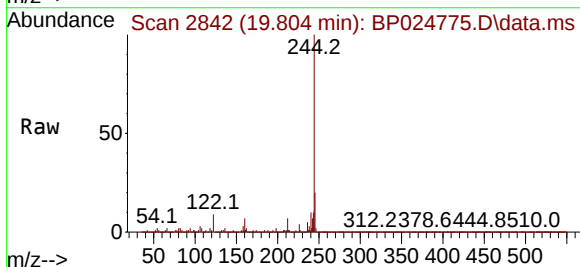
Tgt Ion:244 Resp: 2677570

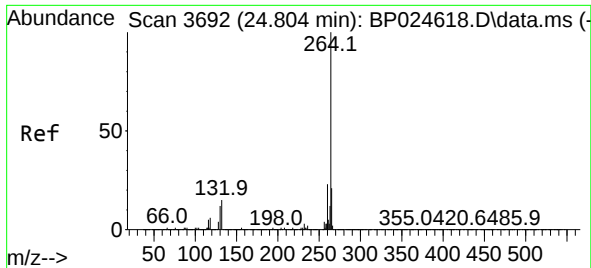
Ion Ratio Lower Upper

244 100

212 6.7 5.5 8.3

122 8.7 7.4 11.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.804 min Scan# 30
 Delta R.T. 0.000 min
 Lab File: BP024775.D
 Acq: 23 May 2025 02:32

Instrument :
 BNA_P
 ClientSampleId :
 WC-A1-07A-C

Tgt Ion:264 Resp: 668650
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.7 28.1
 265 22.4 17.0 25.6

