

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
 Data File : BP024761.D
 Acq On : 22 May 2025 16:22
 Operator : RC/JU
 Sample : Q2097-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: May 22 17:09:23 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)

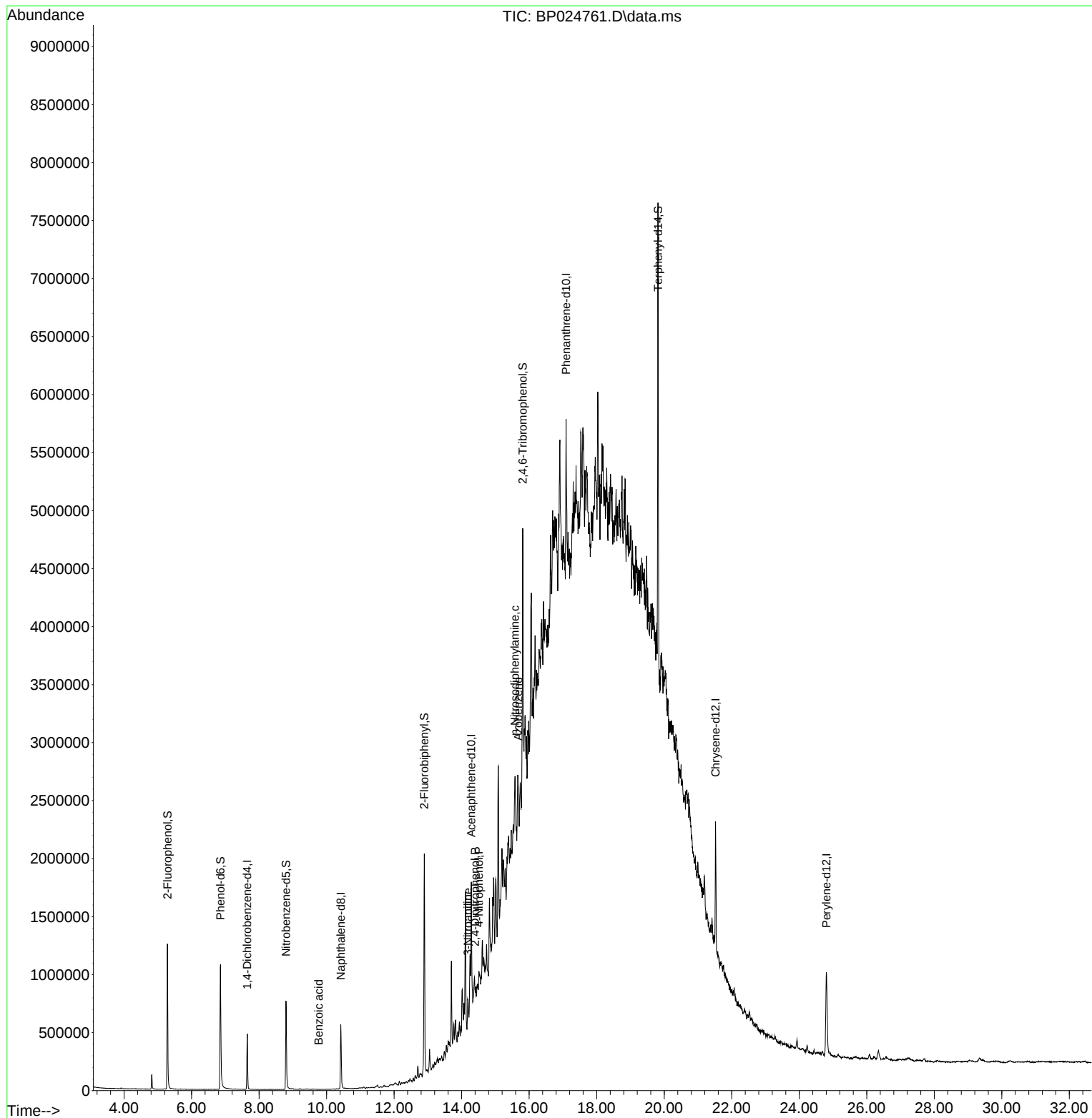
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.652	152	130065	20.000	ng	-0.01
21) Naphthalene-d8	10.422	136	520684	20.000	ng	-0.01
39) Acenaphthene-d10	14.287	164	313316	20.000	ng	-0.02
64) Phenanthrene-d10	17.092	188	575137	20.000	ng	# 0.00
76) Chrysene-d12	21.522	240	687211	20.000	ng	0.00
86) Perylene-d12	24.804	264	860731	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	598747	78.736	ng	0.00
7) Phenol-d6	6.858	99	761277	78.438	ng	0.00
23) Nitrobenzene-d5	8.799	82	464476	45.072	ng	-0.01
42) 2,4,6-Tribromophenol	15.810	330	489338	92.126	ng	0.00
45) 2-Fluorobiphenyl	12.893	172	1139947	47.667	ng	-0.01
79) Terphenyl-d14	19.816	244	1993092	49.731	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.769	122	29	7.473	ng	# 17
53) 3-Nitroaniline	14.187	138	10854	2.108	ng	# 20
54) 2,4-Dinitrophenol	14.398	184	131	6.439	ng	# 1
56) 4-Nitrophenol	14.510	139	557	4.352	ng	# 1
63) Azobenzene	15.675	77	106186	5.143	ng	# 1
66) n-Nitrosodiphenylamine	15.575	169	39888	2.258	ng	# 47

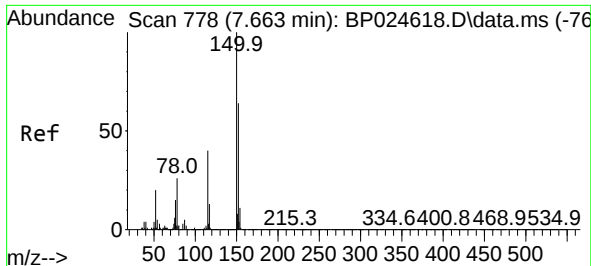
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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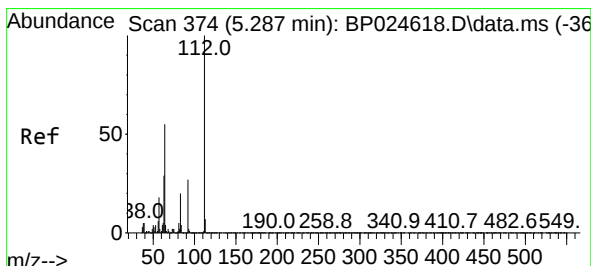
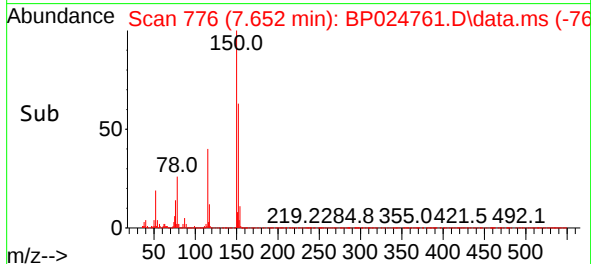
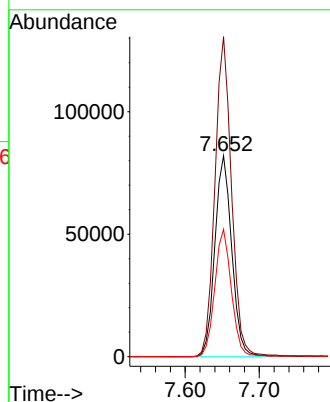
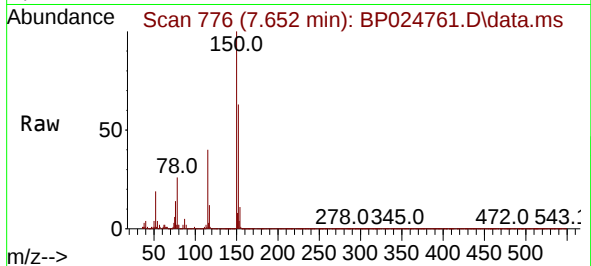




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.652 min Scan# 778
Delta R.T. -0.011 min
Lab File: BP024761.D
Acq: 22 May 2025 16:22

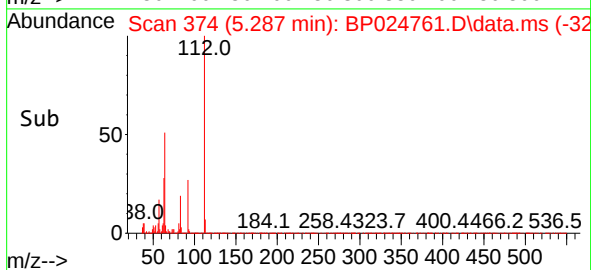
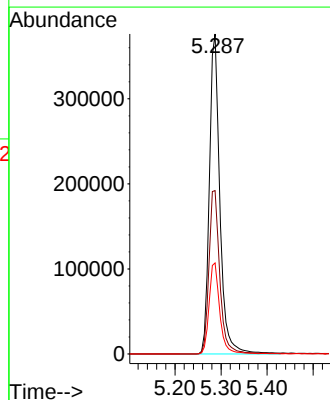
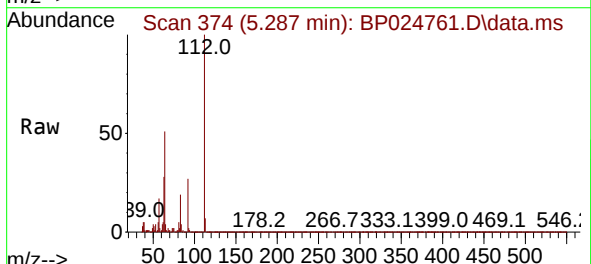
Instrument :
BNA_P
ClientSampleId :

Tgt Ion:152 Resp: 130065
Ion Ratio Lower Upper
152 100
150 159.2 125.9 188.9
115 63.4 50.1 75.1



#5
2-Fluorophenol
Concen: 78.736 ng
RT: 5.287 min Scan# 374
Delta R.T. 0.000 min
Lab File: BP024761.D
Acq: 22 May 2025 16:22

Tgt Ion:112 Resp: 598747
Ion Ratio Lower Upper
112 100
64 51.0 44.1 66.1
63 28.4 23.5 35.3

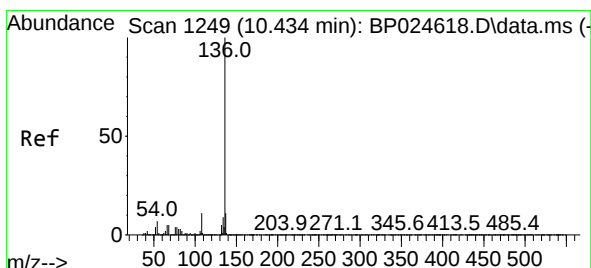
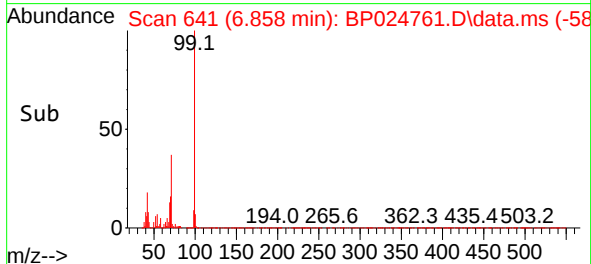
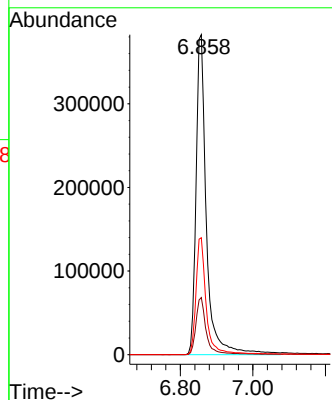
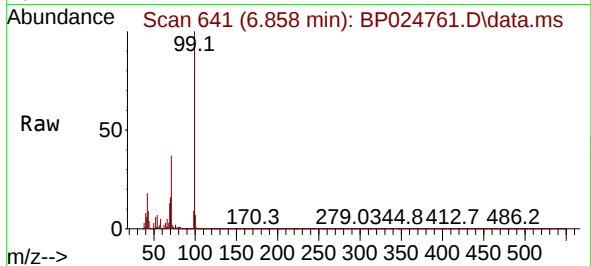




#7
Phenol-d6
Concen: 78.438 ng
RT: 6.858 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024761.D
Acq: 22 May 2025 16:22

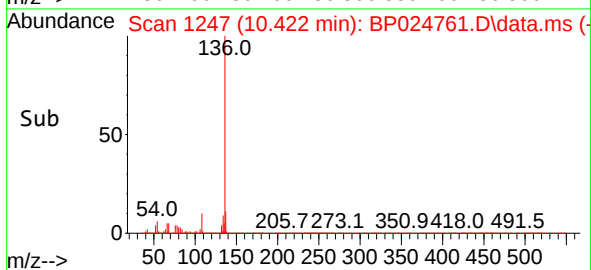
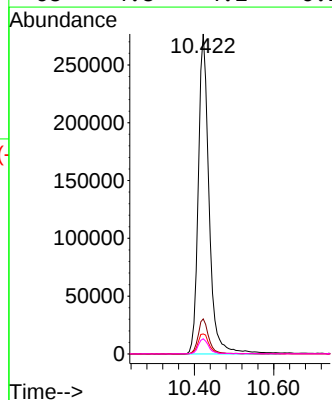
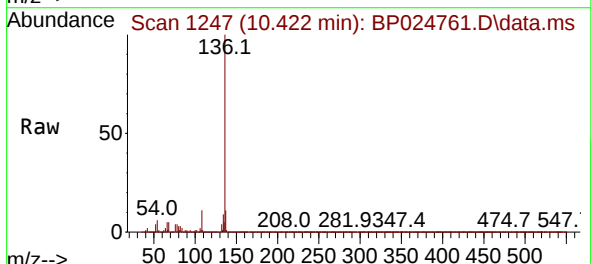
Instrument :
BNA_P
ClientSampleId :

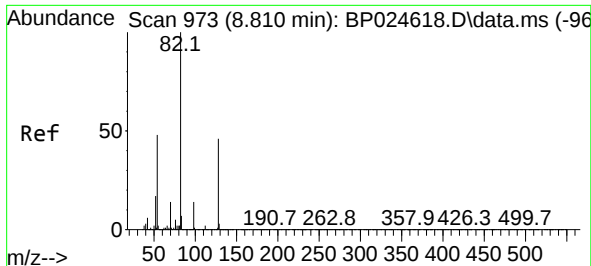
Tgt Ion: 99 Resp: 761277
Ion Ratio Lower Upper
99 100
42 17.8 14.4 21.6
71 36.5 29.2 43.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.422 min Scan# 1247
Delta R.T. -0.012 min
Lab File: BP024761.D
Acq: 22 May 2025 16:22

Tgt Ion: 136 Resp: 520684
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.3 5.5 8.3
68 4.8 4.2 6.2

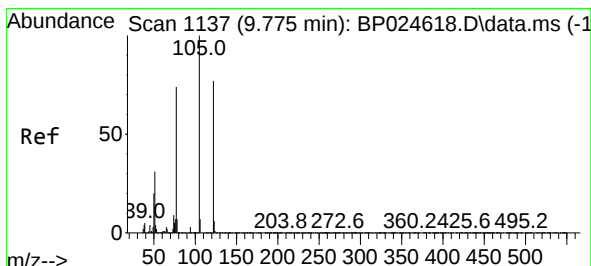
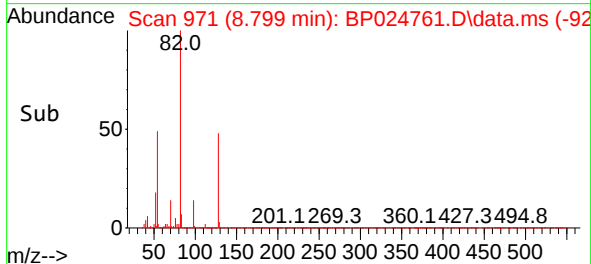
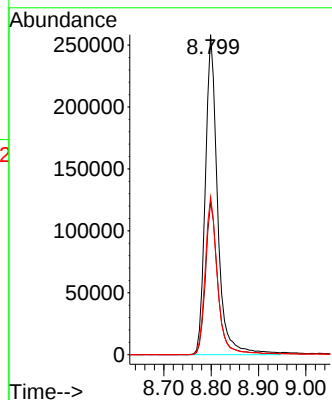
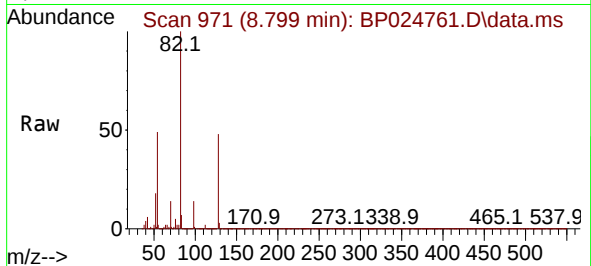




#23
Nitrobenzene-d5
Concen: 45.072 ng
RT: 8.799 min Scan# 91
Delta R.T. -0.012 min
Lab File: BP024761.D
Acq: 22 May 2025 16:22

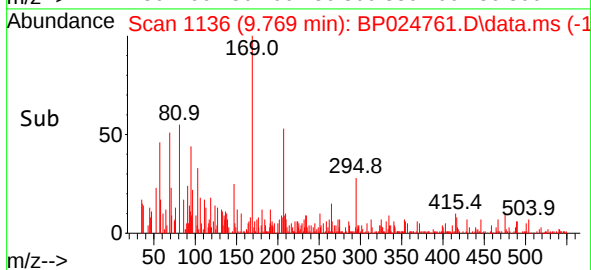
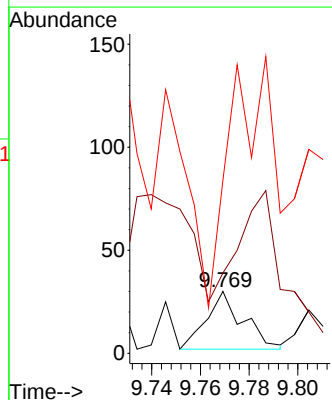
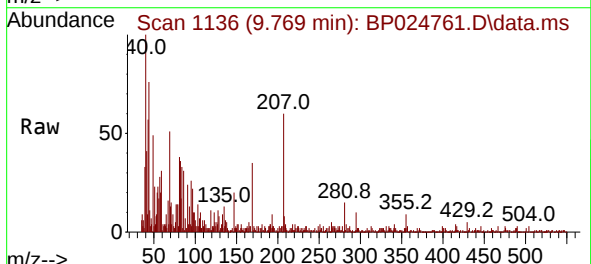
Instrument :
BNA_P
ClientSampleId :

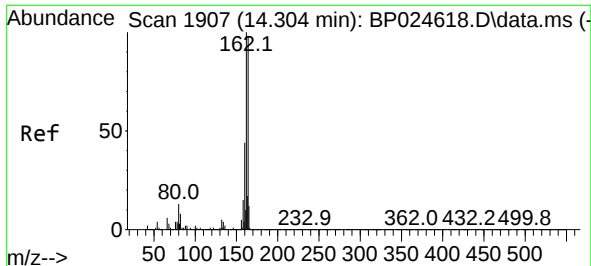
Tgt Ion: 82 Resp: 464476
Ion Ratio Lower Upper
82 100
128 47.7 37.0 55.4
54 49.4 38.7 58.1



#32
Benzoic acid
Concen: 7.473 ng
RT: 9.769 min Scan# 1136
Delta R.T. -0.006 min
Lab File: BP024761.D
Acq: 22 May 2025 16:22

Tgt Ion:122 Resp: 29
Ion Ratio Lower Upper
122 100
105 130.0 106.9 146.9
77 280.0 75.1 115.1#

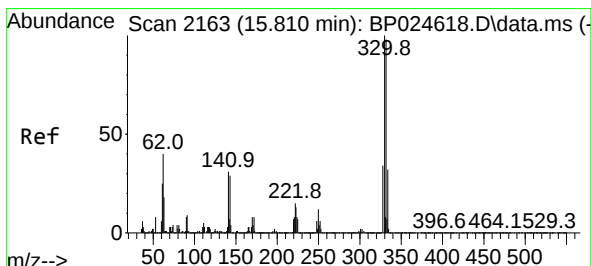
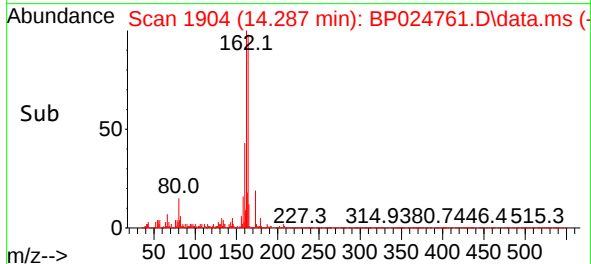
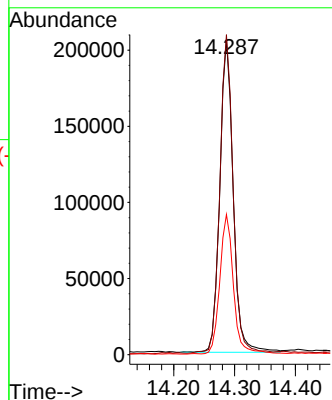
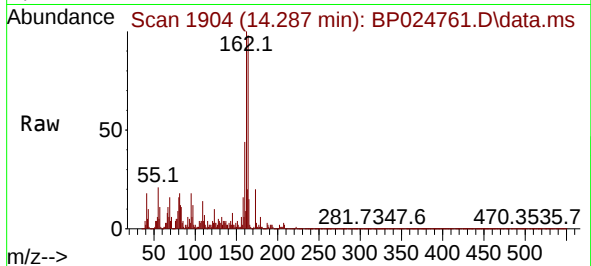




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.287 min Scan# 1904
Delta R.T. -0.018 min
Lab File: BP024761.D
Acq: 22 May 2025 16:22

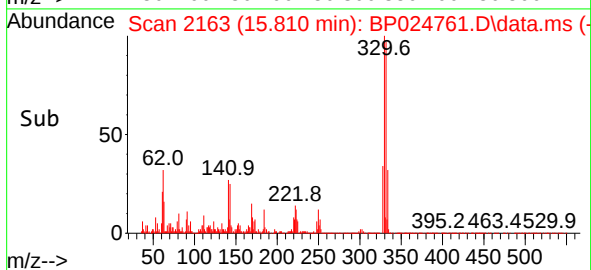
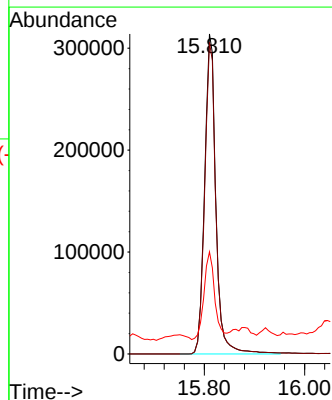
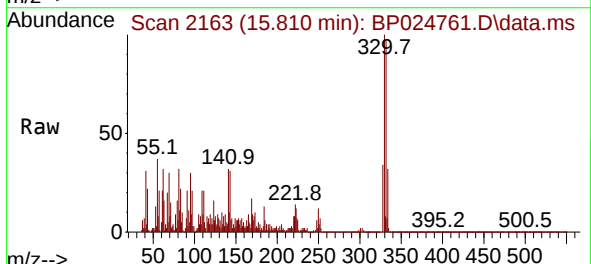
Instrument :
BNA_P
ClientSampleId :

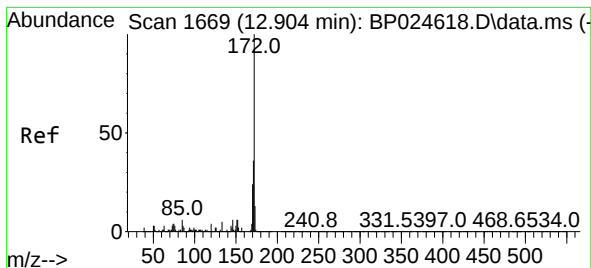
Tgt Ion:164 Resp: 313316
Ion Ratio Lower Upper
164 100
162 101.6 81.8 122.6
160 44.5 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 92.126 ng
RT: 15.810 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BP024761.D
Acq: 22 May 2025 16:22

Tgt Ion:330 Resp: 489338
Ion Ratio Lower Upper
330 100
332 97.8 78.2 117.4
141 26.5 24.3 36.5

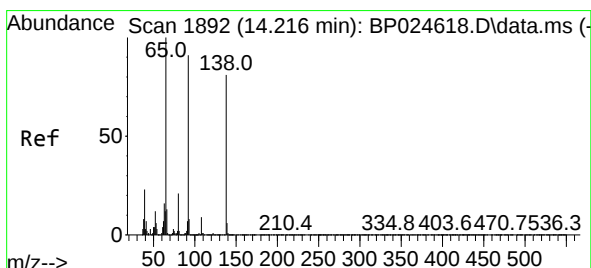
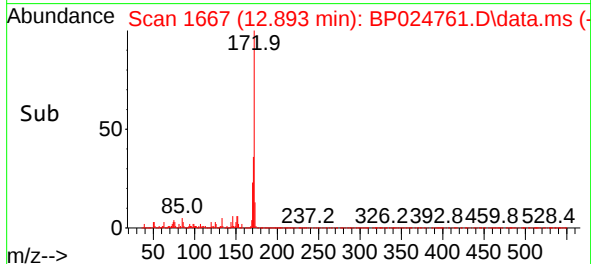
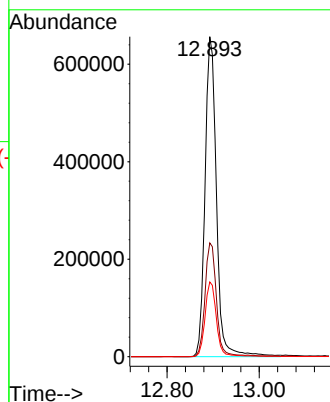
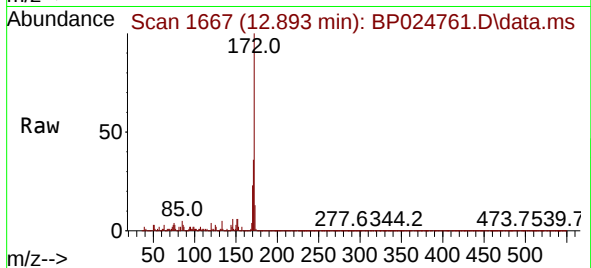




#45
2-Fluorobiphenyl
Concen: 47.667 ng
RT: 12.893 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024761.D
Acq: 22 May 2025 16:22

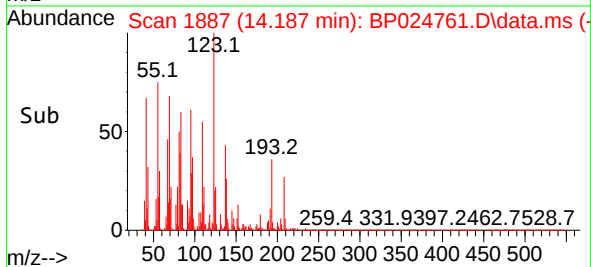
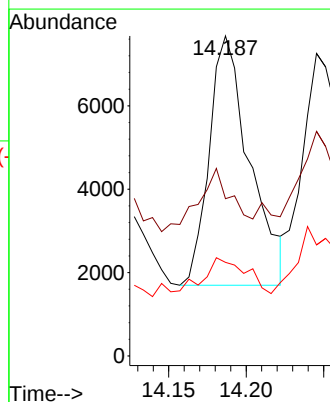
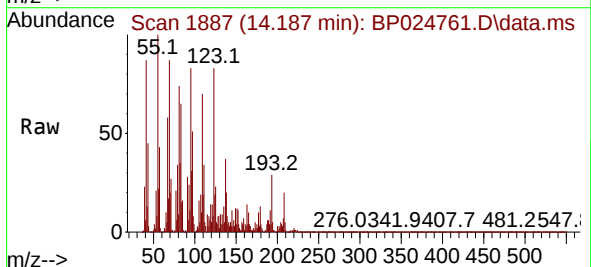
Instrument :
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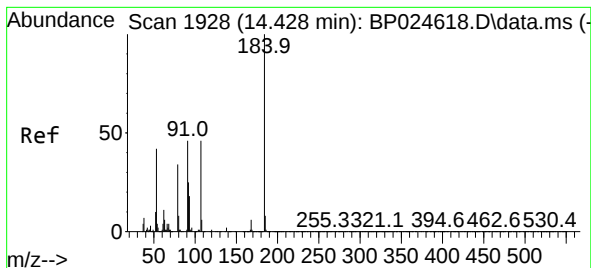
Tgt Ion:172 Resp: 1139947
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.4 18.8 28.2



#53
3-Nitroaniline
Concen: 2.108 ng
RT: 14.187 min Scan# 1887
Delta R.T. -0.029 min
Lab File: BP024761.D
Acq: 22 May 2025 16:22

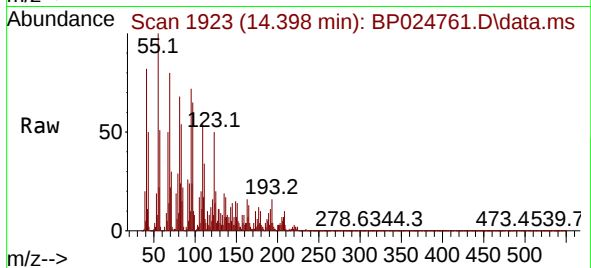
Tgt Ion:138 Resp: 10854
Ion Ratio Lower Upper
138 100
108 49.2 9.0 13.4#
92 29.2 90.1 135.1#



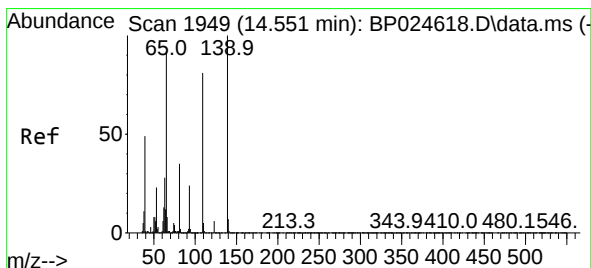
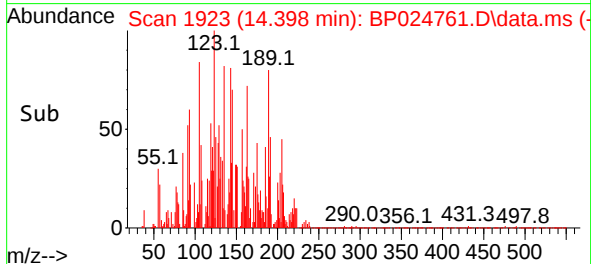
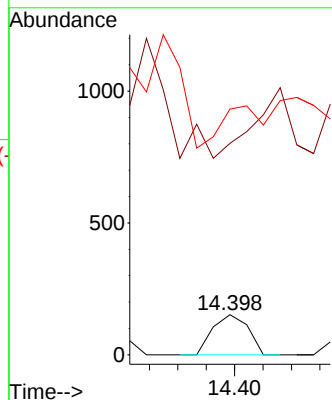


#54
2,4-Dinitrophenol
Concen: 6.439 ng
RT: 14.398 min Scan# 1923
Delta R.T. -0.030 min
Lab File: BP024761.D
Acq: 22 May 2025 16:22

Instrument :
BNA_P
ClientSampleId :

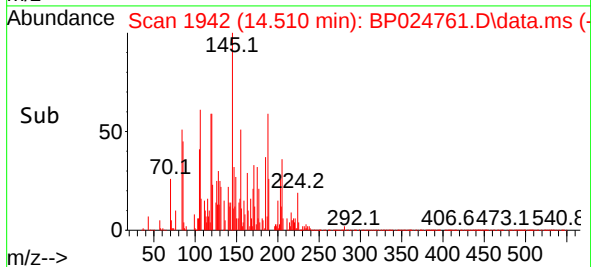
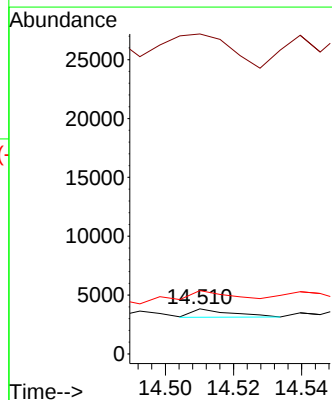
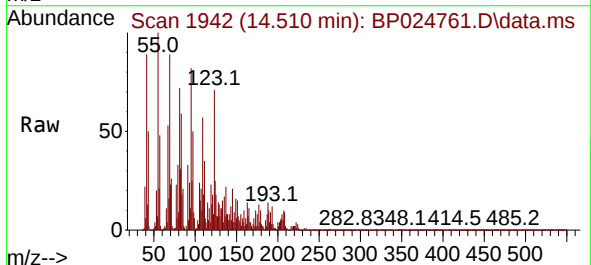


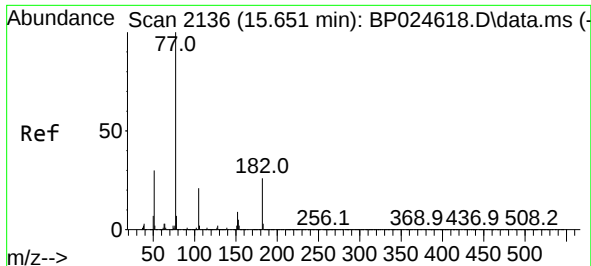
Tgt Ion:184 Resp: 131
Ion Ratio Lower Upper
184 100
63 527.6 51.3 76.9#
154 613.2 53.5 80.3#



#56
4-Nitrophenol
Concen: 4.352 ng
RT: 14.510 min Scan# 1942
Delta R.T. -0.041 min
Lab File: BP024761.D
Acq: 22 May 2025 16:22

Tgt Ion:139 Resp: 557
Ion Ratio Lower Upper
139 100
109 710.3 61.4 101.4#
65 140.5 72.2 112.2#

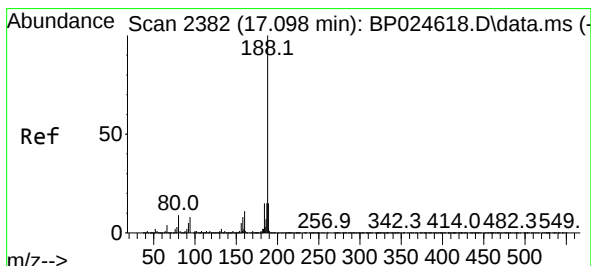
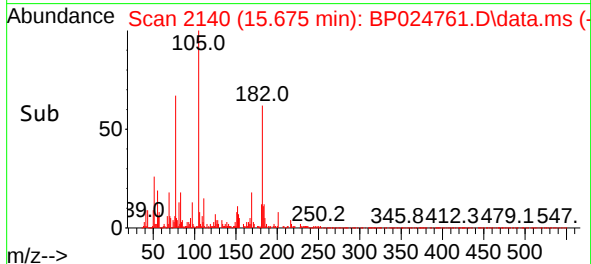
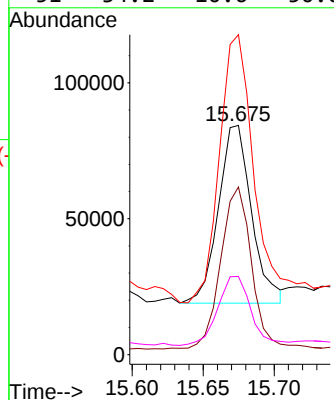
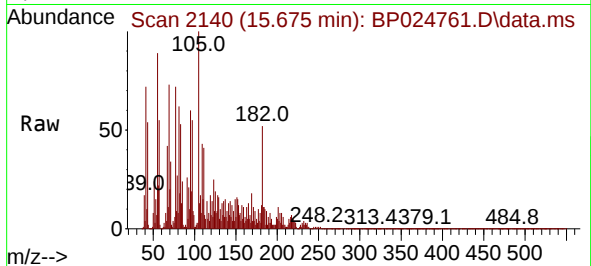




#63
Azobenzene
Concen: 5.143 ng
RT: 15.675 min Scan# 2136
Delta R.T. 0.024 min
Lab File: BP024761.D
Acq: 22 May 2025 16:22

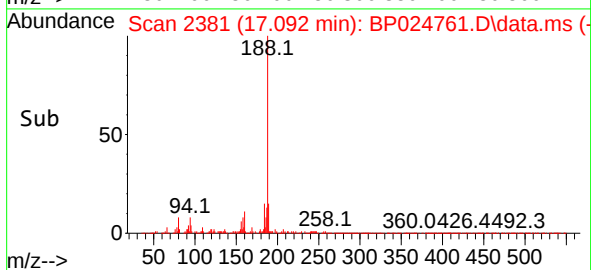
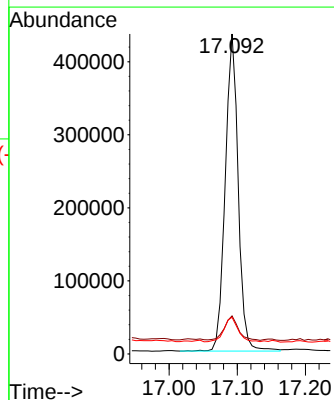
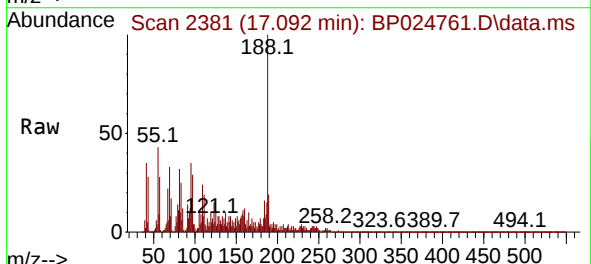
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BNA_P
ClientSampleId :

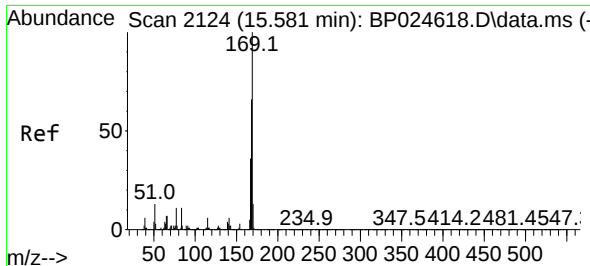
Tgt Ion: 77 Resp: 106186
Ion Ratio Lower Upper
77 100
182 73.1 5.7 45.7#
105 139.6 1.3 41.3#
51 34.2 10.6 50.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.092 min Scan# 2381
Delta R.T. -0.006 min
Lab File: BP024761.D
Acq: 22 May 2025 16:22

Tgt Ion: 188 Resp: 575137
Ion Ratio Lower Upper
188 100
94 11.9 6.5 9.7#
80 11.5 7.3 10.9#

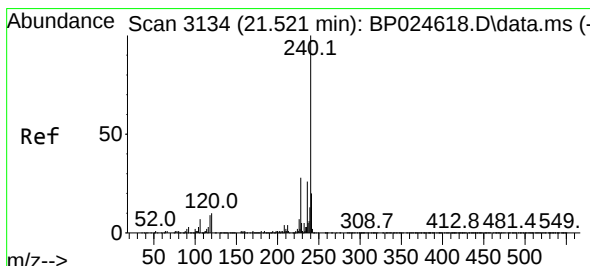
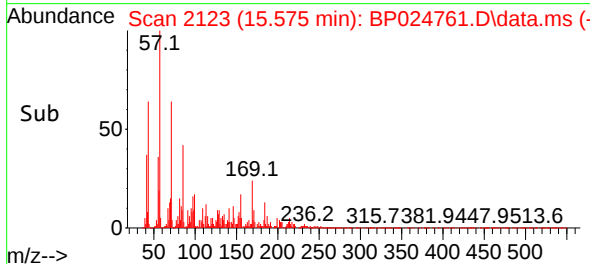
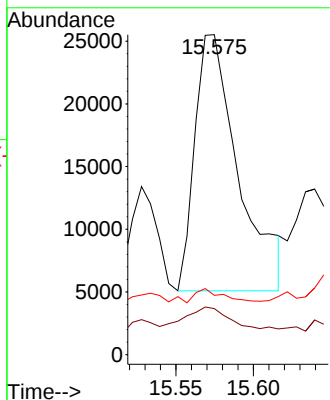
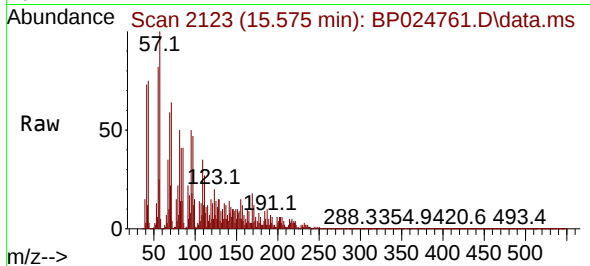




#66
 n-Nitrosodiphenylamine
 Concen: 2.258 ng
 RT: 15.575 min Scan# 2124
 Delta R.T. -0.006 min
 Lab File: BP024761.D
 Acq: 22 May 2025 16:22

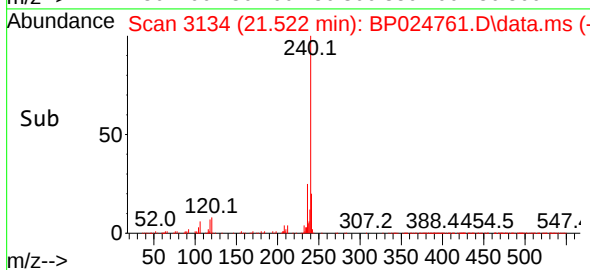
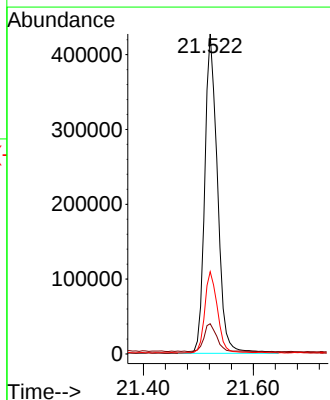
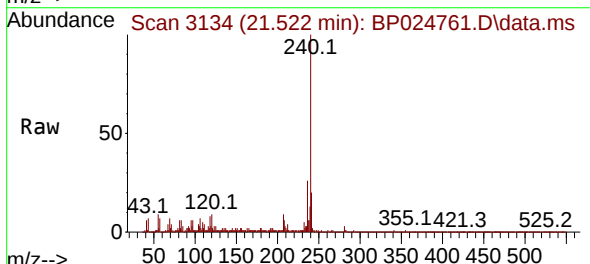
Instrument :
 BNA_P
 ClientSampleId :

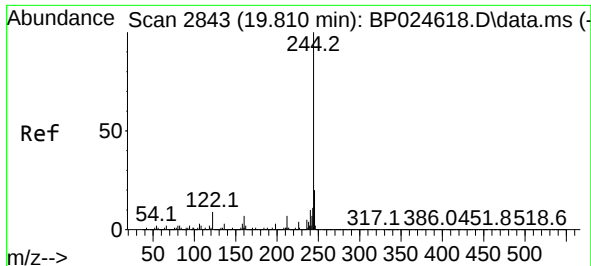
Tgt Ion:169 Resp: 39888
 Ion Ratio Lower Upper
 169 100
 168 14.4 53.2 79.8#
 167 18.5 28.6 43.0#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.522 min Scan# 3134
 Delta R.T. 0.000 min
 Lab File: BP024761.D
 Acq: 22 May 2025 16:22

Tgt Ion:240 Resp: 687211
 Ion Ratio Lower Upper
 240 100
 120 9.4 7.8 11.6
 236 25.7 20.6 31.0

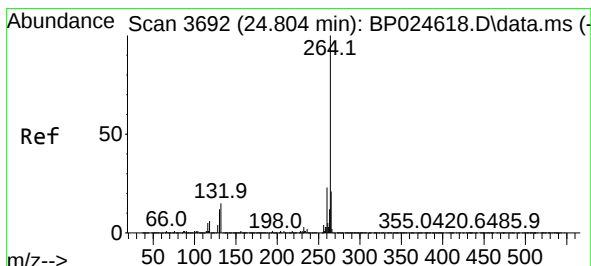
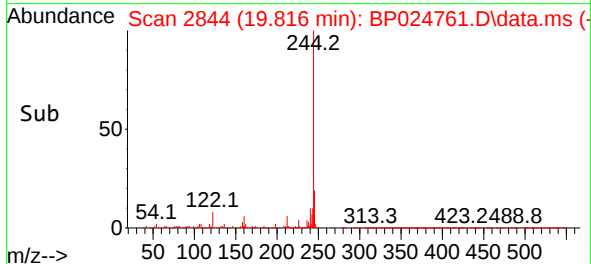
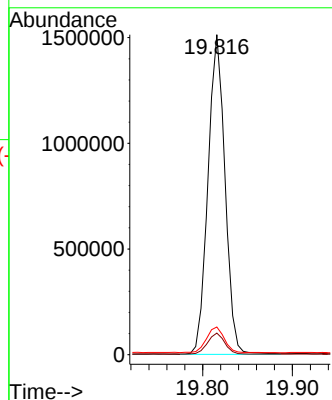
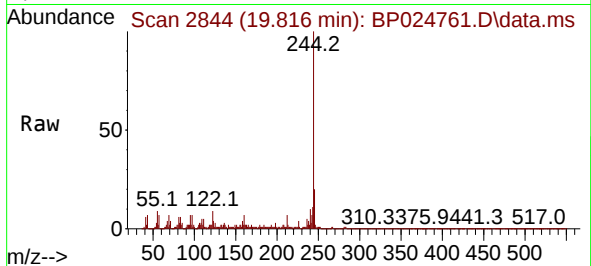




#79
 Terphenyl-d14
 Concen: 49.731 ng
 RT: 19.816 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BP024761.D
 Acq: 22 May 2025 16:22

Instrument :
 BNA_P
 ClientSampleId :

Tgt Ion:244 Resp: 1993092
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 8.6 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: BP024761.D
 Acq: 22 May 2025 16:22

Tgt Ion:264 Resp: 860731
 Ion Ratio Lower Upper
 264 100
 260 24.2 18.7 28.1
 265 22.6 17.0 25.6

