

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121724\
 Data File : BF140878.D
 Acq On : 17 Dec 2024 12:08
 Operator : RC/JU
 Sample : P5239-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Dec 17 12:47:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 Response via : Initial Calibration

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

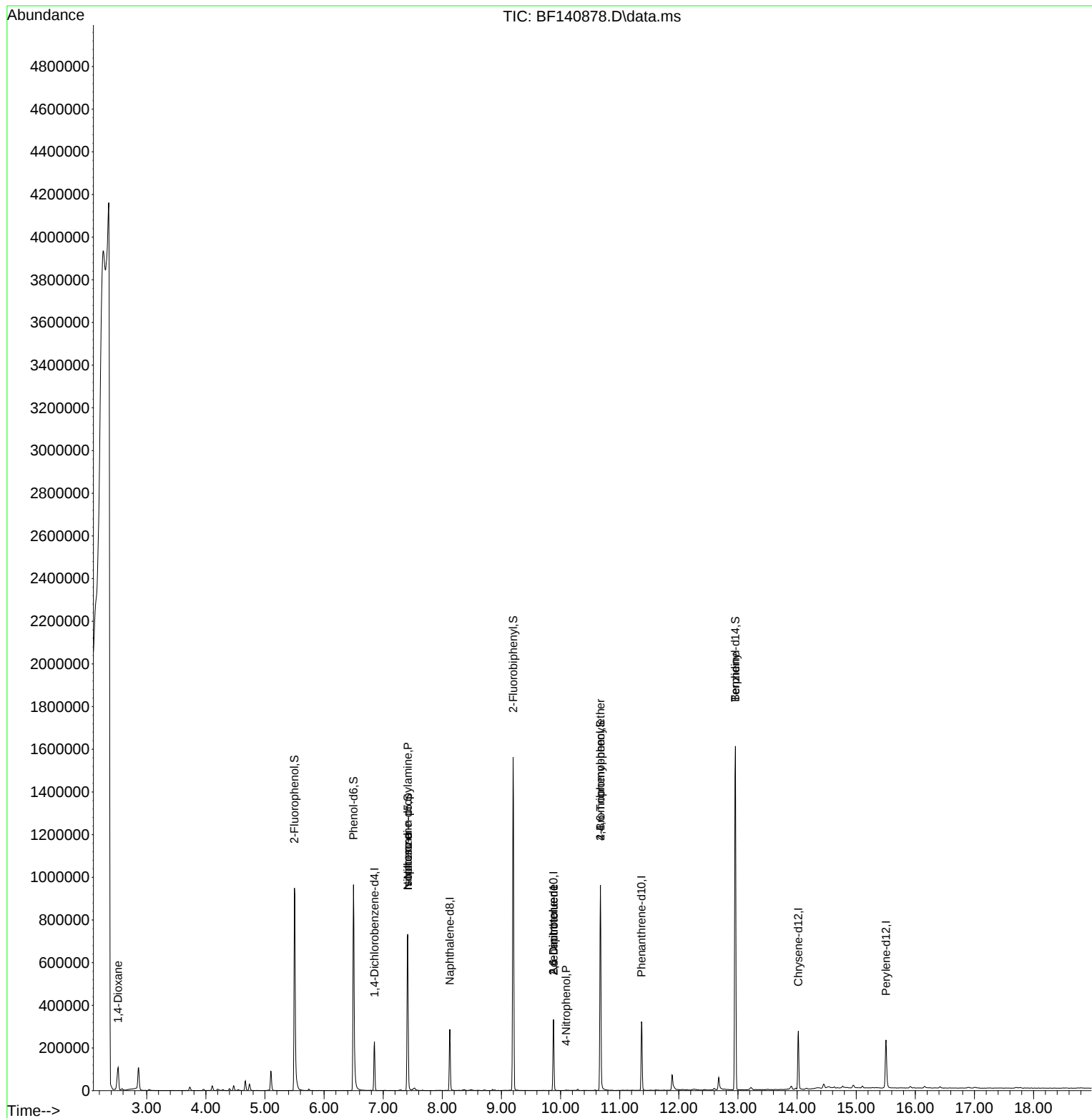
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	50799	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	178030	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	98749	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	182242	20.000	ng	0.00
76) Chrysene-d12	14.021	240	134703	20.000	ng	-0.01
86) Perylene-d12	15.504	264	134932	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	408461	132.365	ng	0.01
7) Phenol-d6	6.498	99	497781	121.789	ng	0.00
23) Nitrobenzene-d5	7.416	82	342555	96.267	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	172474	147.676	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	689627	96.015	ng	0.00
79) Terphenyl-d14	12.957	244	794468	93.002	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.516	88	2810	2.114	ng	# 1
19) n-Nitroso-di-n-propyla...	7.416	70	46476	18.956	ng	# 78
25) Isophorone	7.416	82	338460	56.767	ng	# 65
51) 2,6-Dinitrotoluene	9.880	165	12684	7.969	ng	# 21
56) 4-Nitrophenol	10.092	139	58	4.506	ng	# 5
57) 2,4-Dinitrotoluene	9.880	165	12684	6.057	ng	# 15
67) 4-Bromophenyl-phenylether	10.675	248	10649	5.223	ng	# 1
77) Benzidine	12.957	184	11186	4.069	ng	# 92

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

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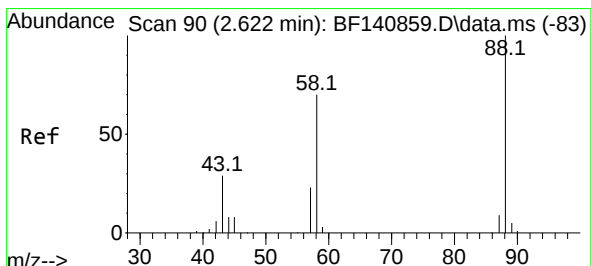
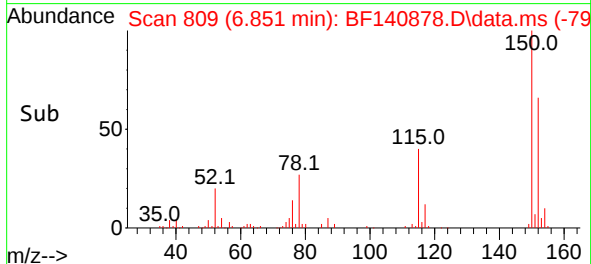
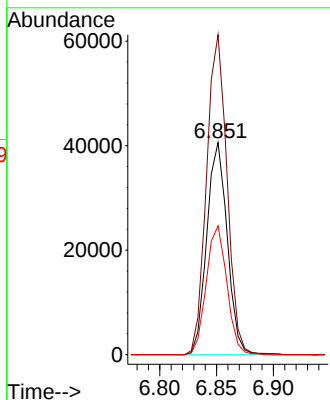
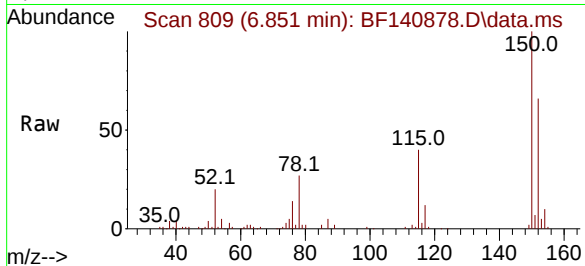




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.851 min Scan# 809
 Delta R.T. 0.000 min
 Lab File: BF140878.D
 Acq: 17 Dec 2024 12:08

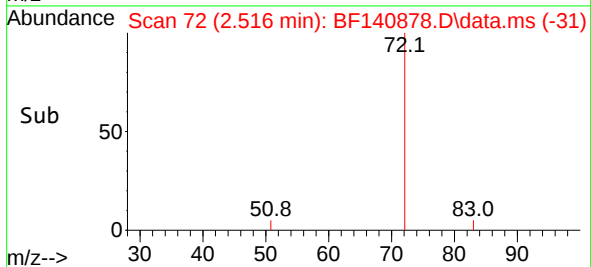
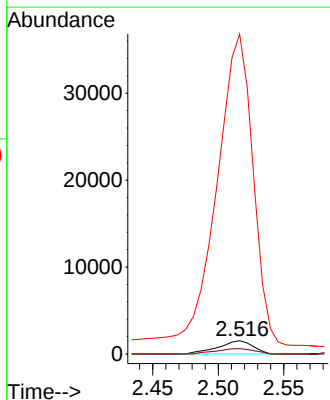
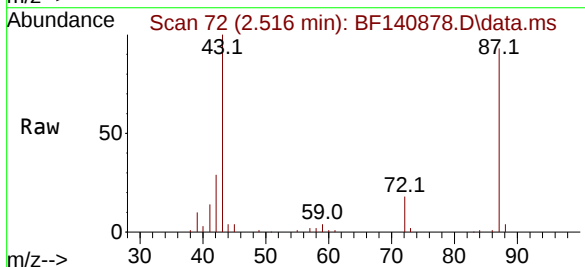
Instrument :
 BNA_F
 ClientSampleId :
 WC-1

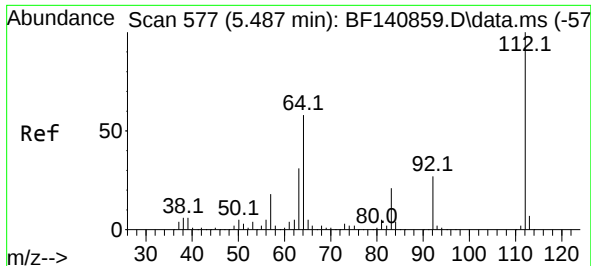
Tgt Ion:152 Resp: 50799
 Ion Ratio Lower Upper
 152 100
 150 150.8 127.9 191.9
 115 60.7 48.0 72.0



#2
 1,4-Dioxane
 Concen: 2.114 ng
 RT: 2.516 min Scan# 72
 Delta R.T. -0.106 min
 Lab File: BF140878.D
 Acq: 17 Dec 2024 12:08

Tgt Ion: 88 Resp: 2810
 Ion Ratio Lower Upper
 88 100
 58 44.0 55.8 83.8#
 43 2468.3 22.7 34.1#

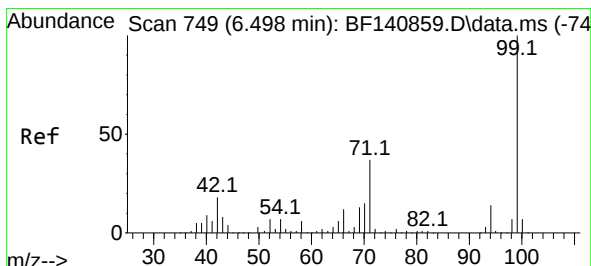
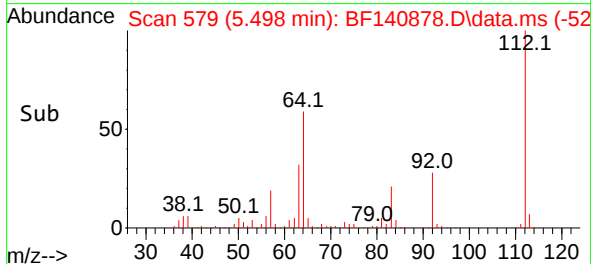
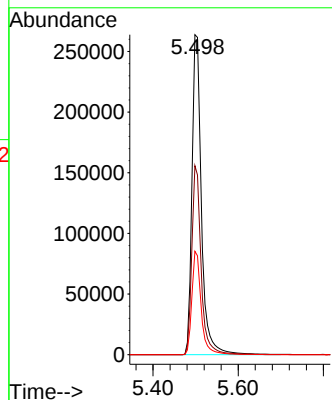
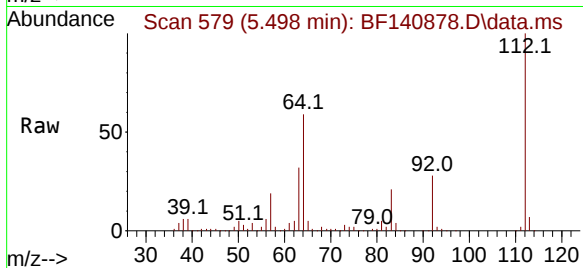




#5
2-Fluorophenol
Concen: 132.365 ng
RT: 5.498 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF140878.D
Acq: 17 Dec 2024 12:08

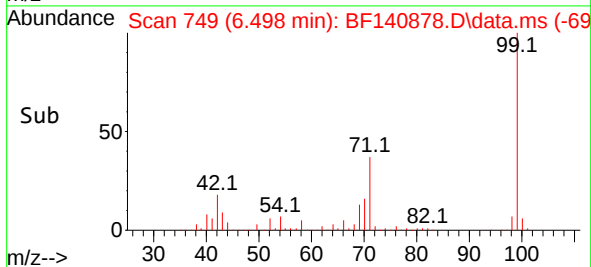
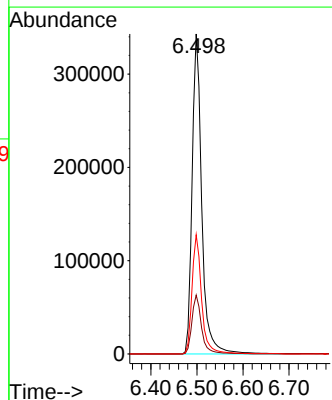
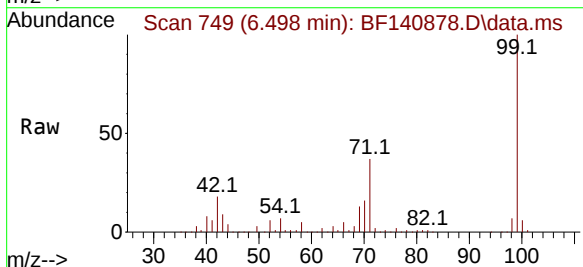
Instrument :
BNA_F
ClientSampleId :
WC-1

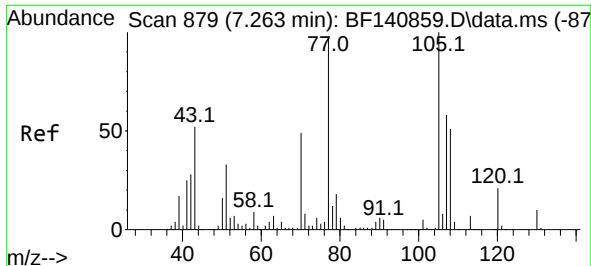
Tgt Ion:112 Resp: 408461
Ion Ratio Lower Upper
112 100
64 59.1 46.1 69.1
63 32.3 24.9 37.3



#7
Phenol-d6
Concen: 121.789 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.000 min
Lab File: BF140878.D
Acq: 17 Dec 2024 12:08

Tgt Ion: 99 Resp: 497781
Ion Ratio Lower Upper
99 100
42 18.4 14.3 21.5
71 37.3 29.9 44.9





#19

n-Nitroso-di-n-propylamine

Concen: 18.956 ng

RT: 7.416 min Scan# 905

Delta R.T. 0.153 min

Lab File: BF140878.D

Acq: 17 Dec 2024 12:08

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion: 70 Resp: 46476

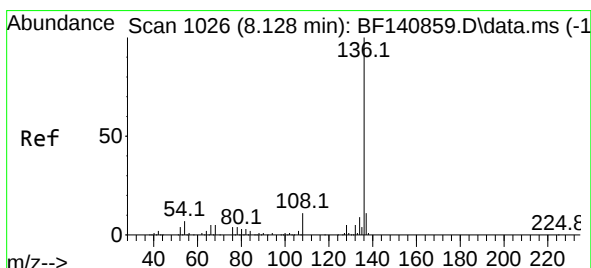
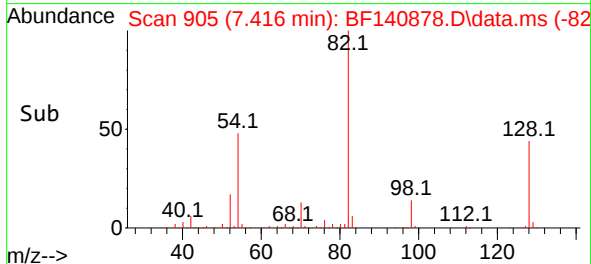
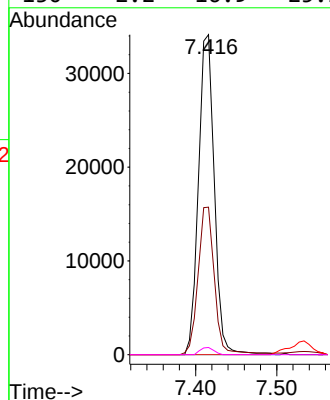
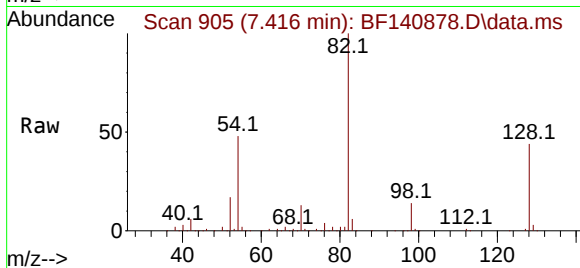
Ion Ratio Lower Upper

70 100

42 46.1 45.3 67.9

101 0.0 8.0 12.0#

130 2.2 16.9 25.3#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 1026

Delta R.T. -0.000 min

Lab File: BF140878.D

Acq: 17 Dec 2024 12:08

Tgt Ion:136 Resp: 178030

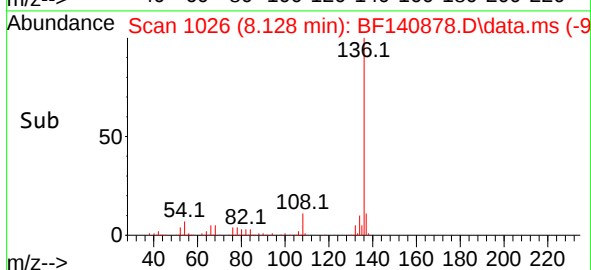
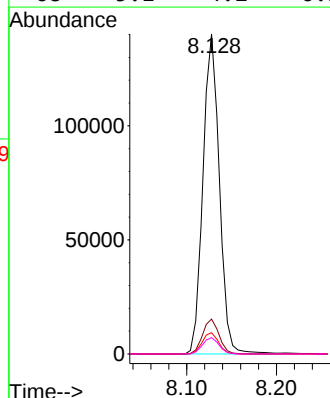
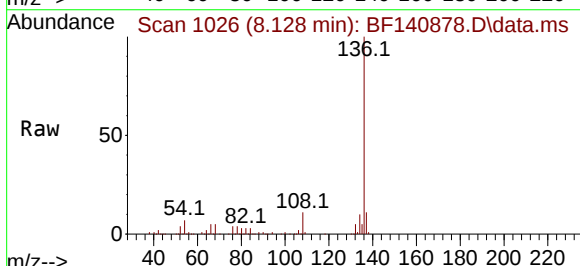
Ion Ratio Lower Upper

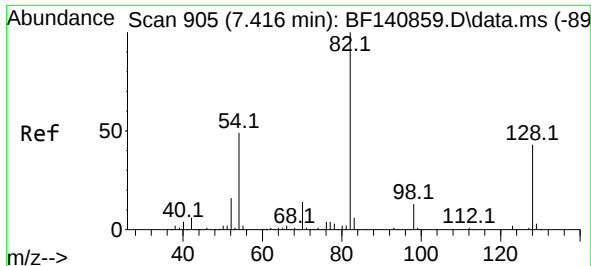
136 100

137 10.9 9.0 13.4

54 6.7 5.6 8.4

68 5.1 4.2 6.2





#23

Nitrobenzene-d5

Concen: 96.267 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.000 min

Lab File: BF140878.D

Acq: 17 Dec 2024 12:08

Instrument :

BNA_F

ClientSampleId :

WC-1

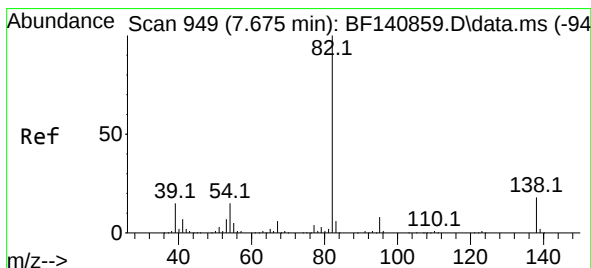
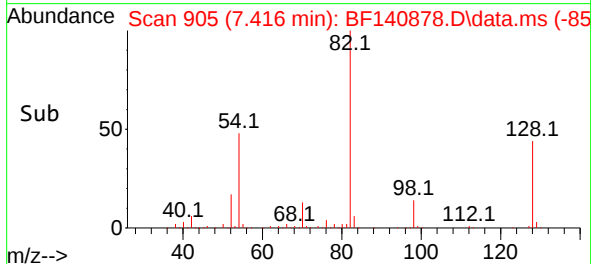
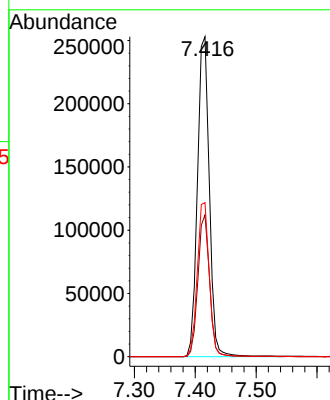
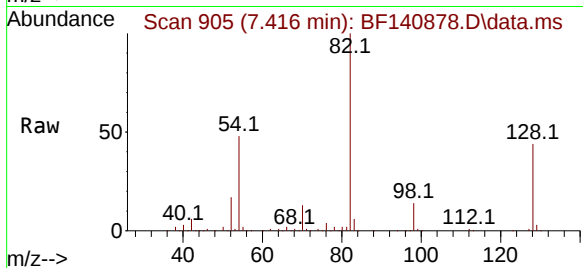
Tgt Ion: 82 Resp: 342555

Ion Ratio Lower Upper

82 100

128 44.3 34.4 51.6

54 48.2 38.8 58.2



#25

Isophorone

Concen: 56.767 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.259 min

Lab File: BF140878.D

Acq: 17 Dec 2024 12:08

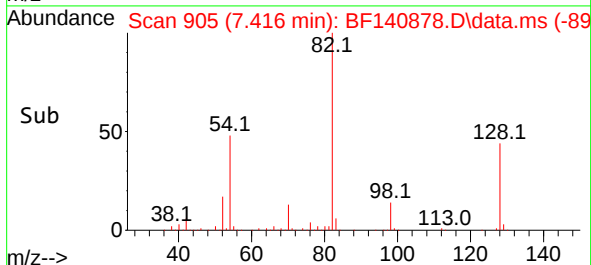
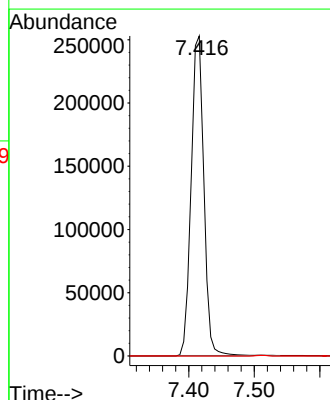
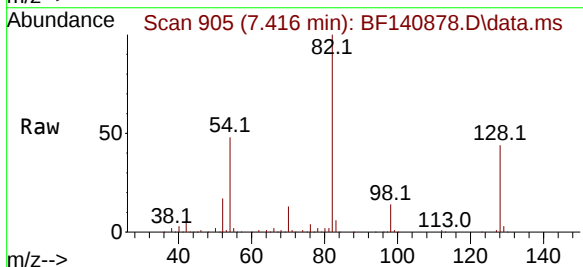
Tgt Ion: 82 Resp: 338460

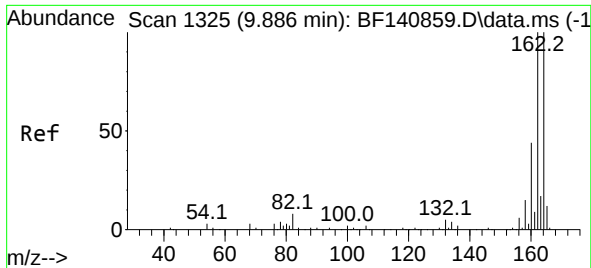
Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

138 0.0 14.1 21.1#

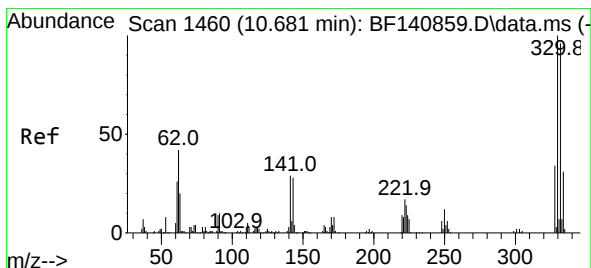
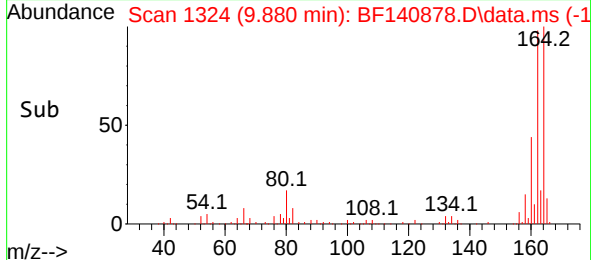
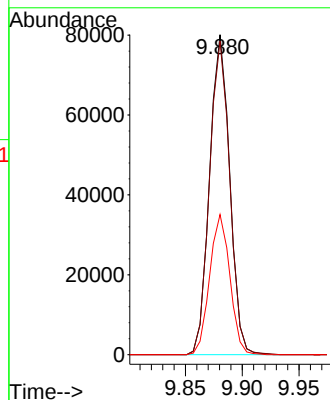
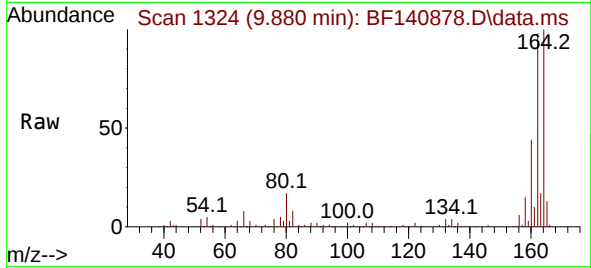




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140878.D
Acq: 17 Dec 2024 12:08

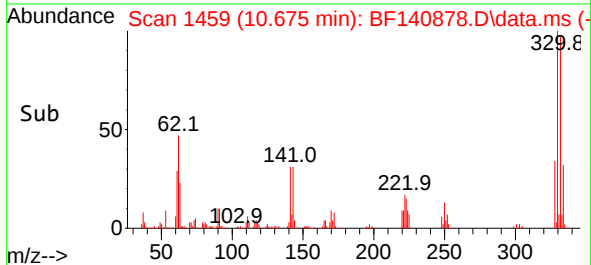
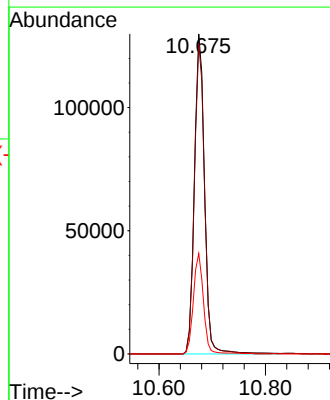
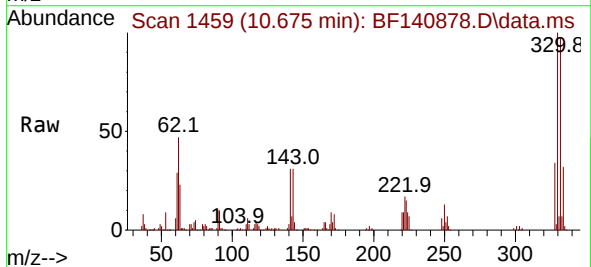
Instrument :
BNA_F
ClientSampleId :
WC-1

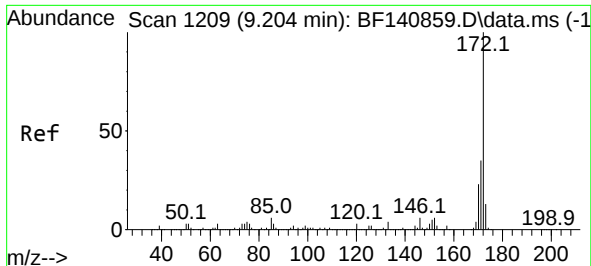
Tgt Ion:164 Resp: 98749
Ion Ratio Lower Upper
164 100
162 98.0 79.9 119.9
160 43.8 35.2 52.8



#42
2,4,6-Tribromophenol
Concen: 147.676 ng
RT: 10.675 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF140878.D
Acq: 17 Dec 2024 12:08

Tgt Ion:330 Resp: 172474
Ion Ratio Lower Upper
330 100
332 97.0 76.2 114.4
141 31.2 24.9 37.3

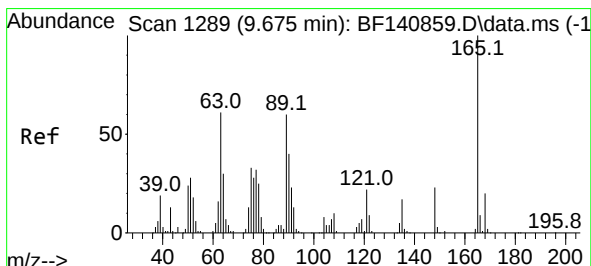
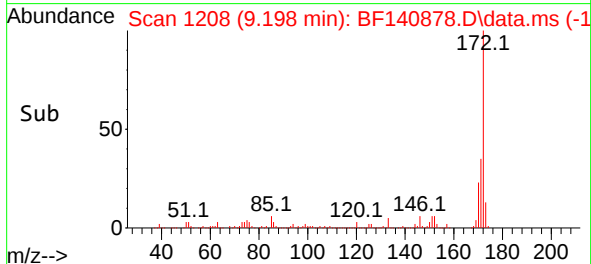
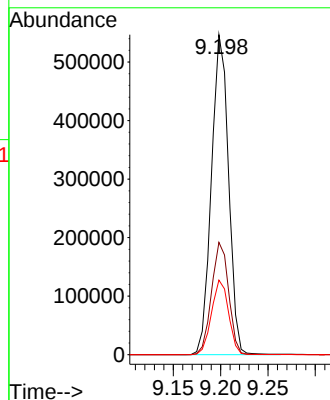
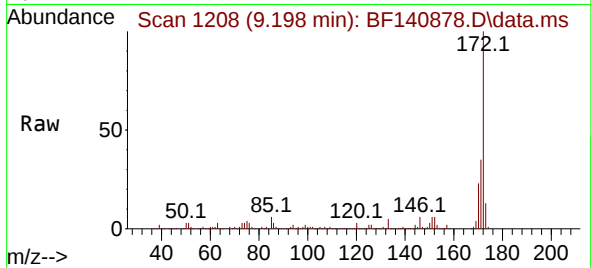




#45
2-Fluorobiphenyl
Concen: 96.015 ng
RT: 9.198 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140878.D
Acq: 17 Dec 2024 12:08

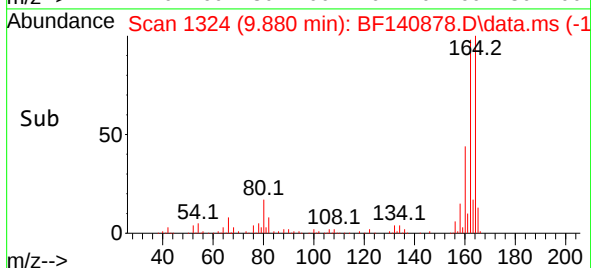
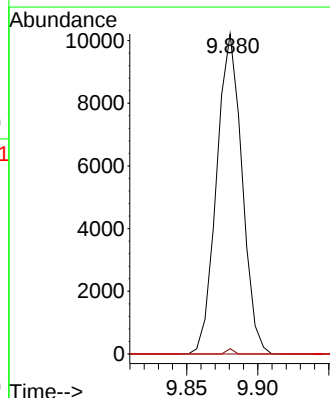
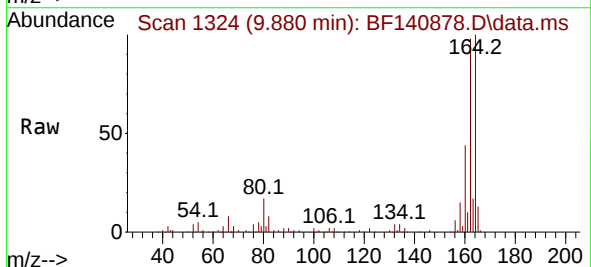
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BNA_F
ClientSampleId :
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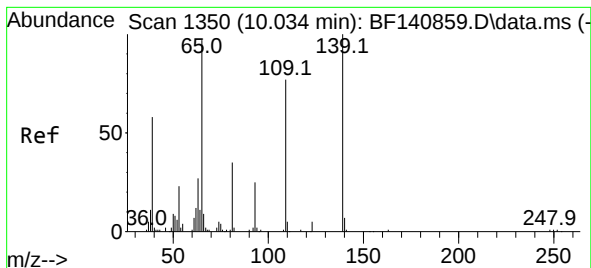
Tgt Ion:172 Resp: 689627
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 23.3 18.6 28.0



#51
2,6-Dinitrotoluene
Concen: 7.969 ng
RT: 9.880 min Scan# 1324
Delta R.T. 0.206 min
Lab File: BF140878.D
Acq: 17 Dec 2024 12:08

Tgt Ion:165 Resp: 12684
Ion Ratio Lower Upper
165 100
63 1.6 49.7 74.5#
89 0.0 48.2 72.4#

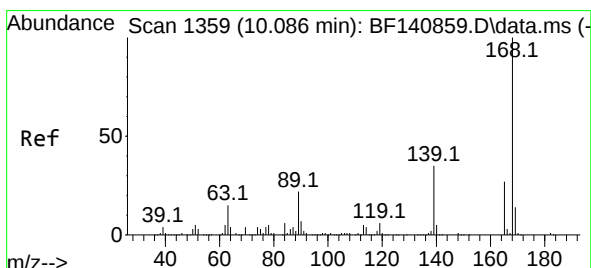
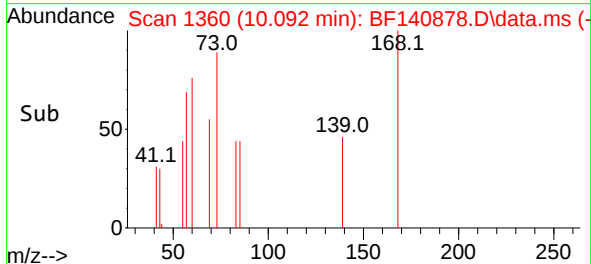
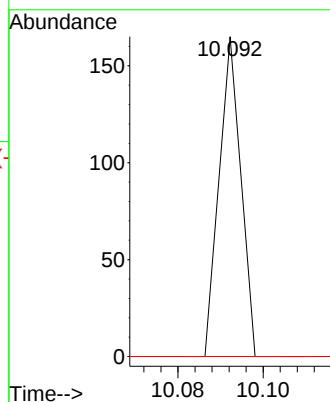
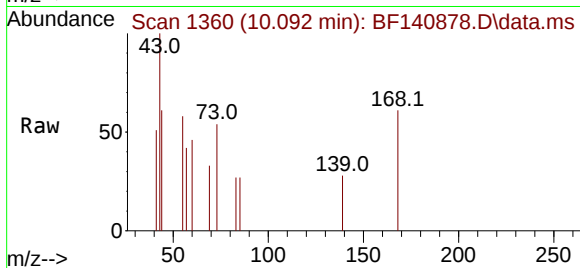




#56
4-Nitrophenol
Concen: 4.506 ng
RT: 10.092 min Scan# 11
Delta R.T. 0.058 min
Lab File: BF140878.D
Acq: 17 Dec 2024 12:08

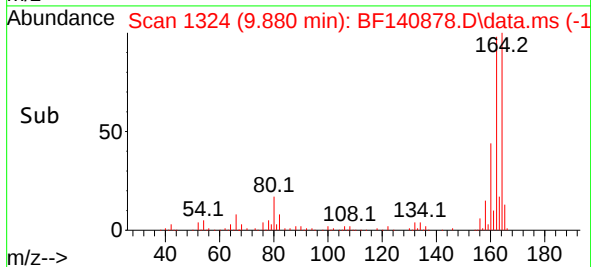
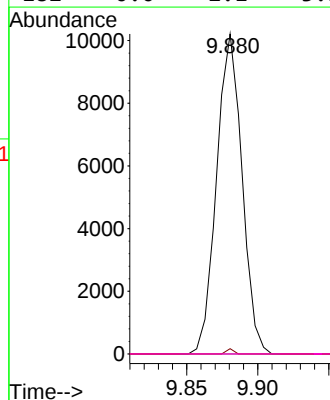
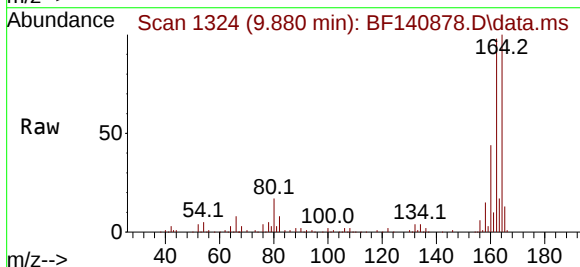
Instrument :
BNA_F
ClientSampleId :
WC-1

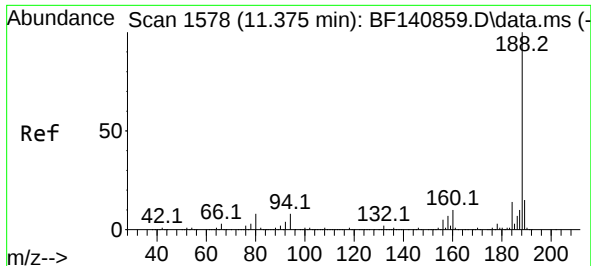
Tgt Ion:139 Resp: 58
Ion Ratio Lower Upper
139 100
109 0.0 56.7 96.7#
65 0.0 78.1 118.1#



#57
2,4-Dinitrotoluene
Concen: 6.057 ng
RT: 9.880 min Scan# 1324
Delta R.T. -0.206 min
Lab File: BF140878.D
Acq: 17 Dec 2024 12:08

Tgt Ion:165 Resp: 12684
Ion Ratio Lower Upper
165 100
63 1.6 49.3 73.9#
89 0.0 66.2 99.4#
182 0.0 2.1 3.1#

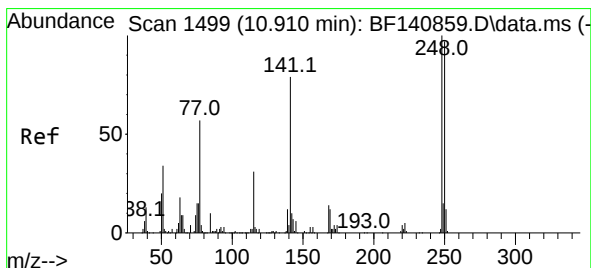
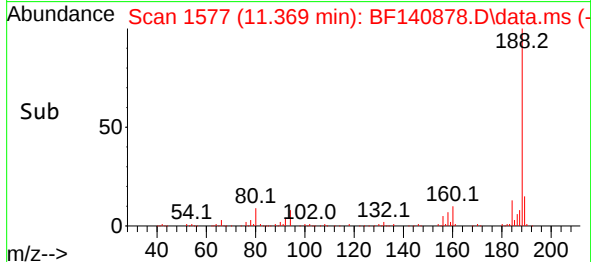
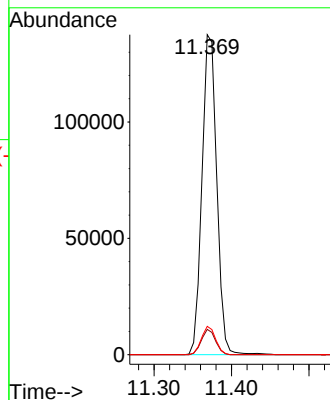
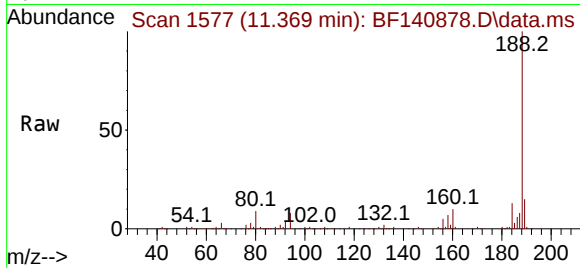




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140878.D
Acq: 17 Dec 2024 12:08

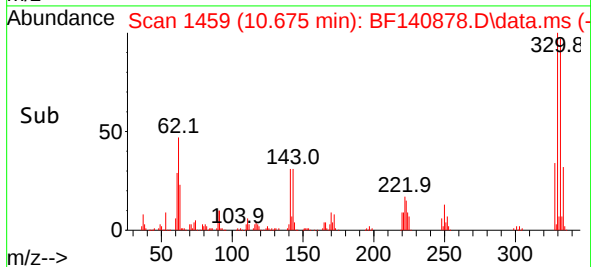
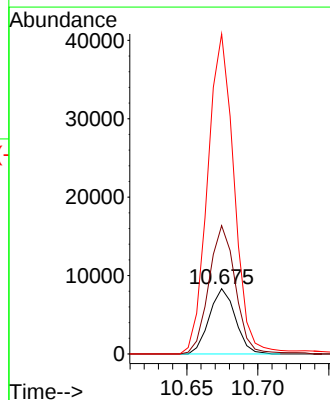
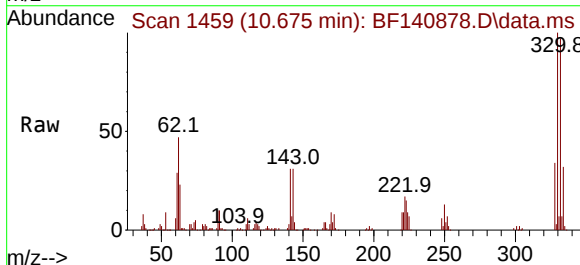
Instrument :
BNA_F
ClientSampleId :
WC-1

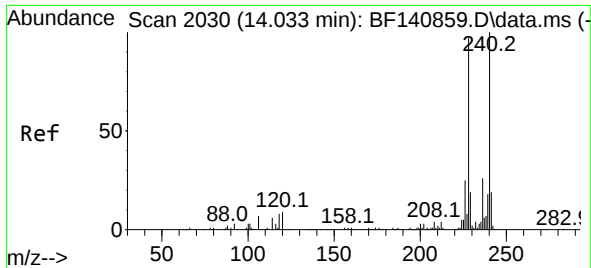
Tgt Ion:188 Resp: 182242
Ion Ratio Lower Upper
188 100
94 7.9 6.4 9.6
80 8.8 6.8 10.2



#67
4-Bromophenyl-phenylether
Concen: 5.223 ng
RT: 10.675 min Scan# 1459
Delta R.T. -0.235 min
Lab File: BF140878.D
Acq: 17 Dec 2024 12:08

Tgt Ion:248 Resp: 10649
Ion Ratio Lower Upper
248 100
250 196.4 77.4 116.2#
141 490.0 62.9 94.3#

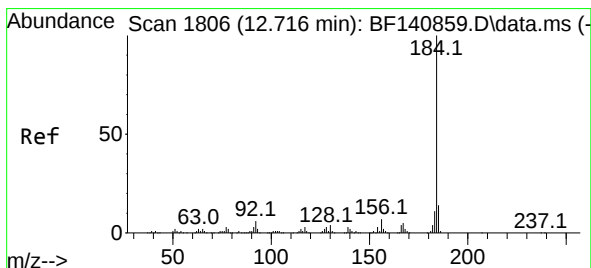
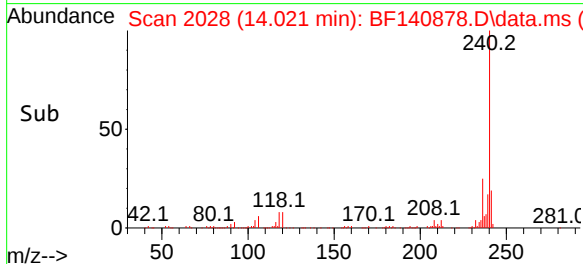
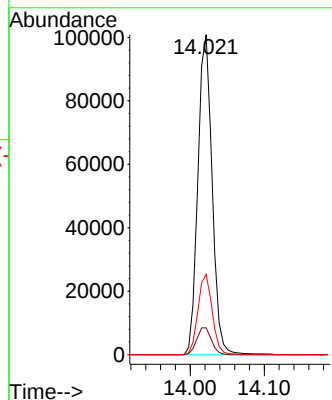
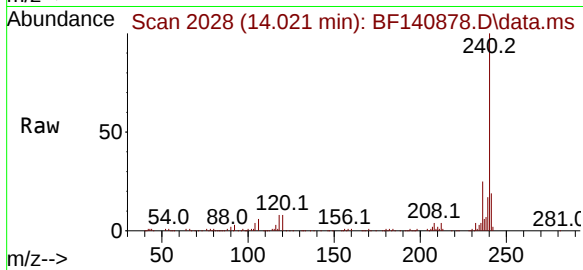




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF140878.D
Acq: 17 Dec 2024 12:08

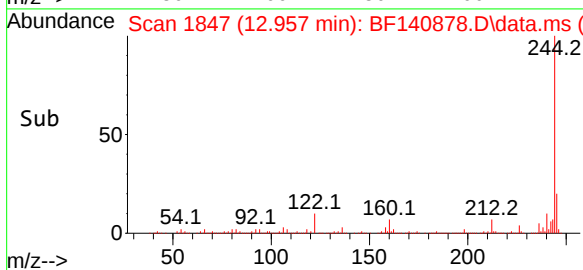
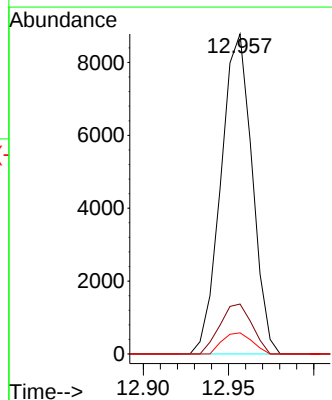
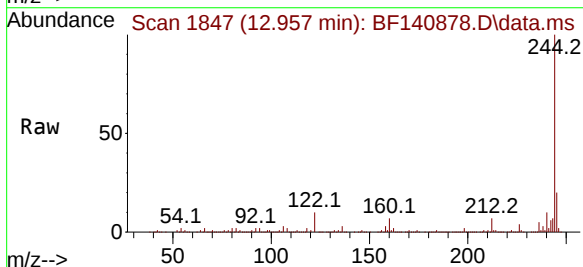
Instrument :
BNA_F
ClientSampleId :
WC-1

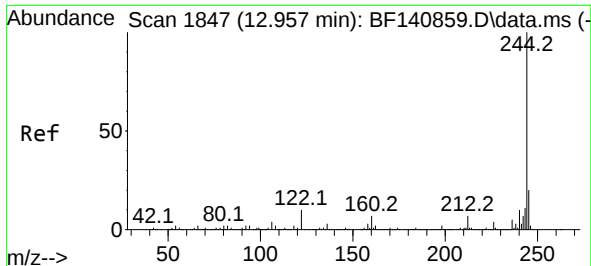
Tgt Ion:240 Resp: 134703
Ion Ratio Lower Upper
240 100
120 8.4 7.6 11.4
236 25.1 20.5 30.7



#77
Benzidine
Concen: 4.069 ng
RT: 12.957 min Scan# 1847
Delta R.T. 0.241 min
Lab File: BF140878.D
Acq: 17 Dec 2024 12:08

Tgt Ion:184 Resp: 11186
Ion Ratio Lower Upper
184 100
185 15.6 11.1 16.7
183 6.6 9.0 13.4#

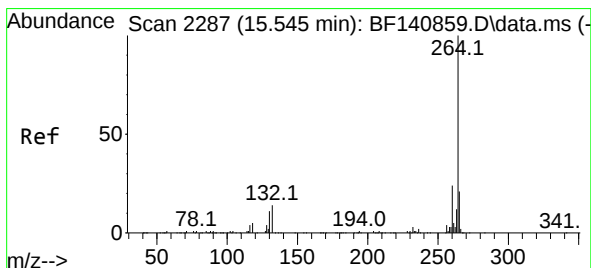
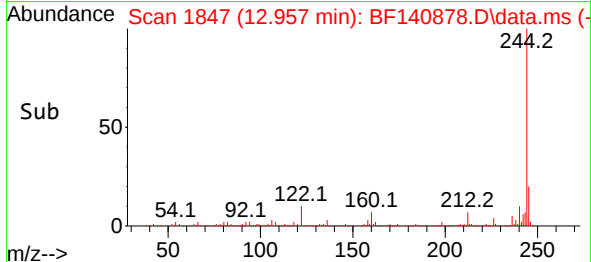
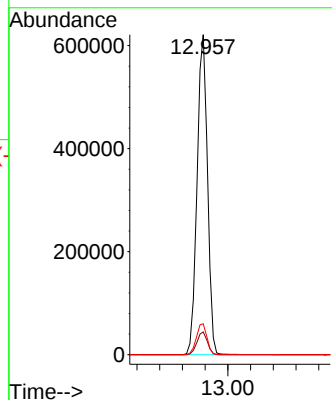
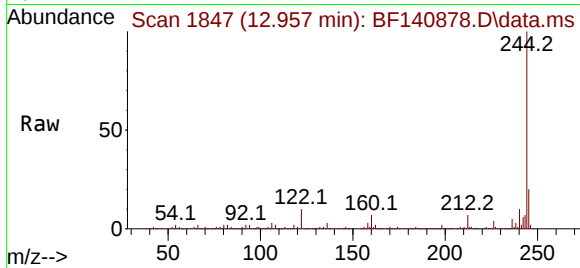




#79
 Terphenyl-d14
 Concen: 93.002 ng
 RT: 12.957 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF140878.D
 Acq: 17 Dec 2024 12:08

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Tgt Ion:244 Resp: 794468
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.6 8.4
 122 9.6 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.504 min Scan# 2280
 Delta R.T. -0.041 min
 Lab File: BF140878.D
 Acq: 17 Dec 2024 12:08

Tgt Ion:264 Resp: 134932
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.1 28.7
 265 22.4 17.0 25.4

