

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030525\
 Data File : BF141855.D
 Acq On : 05 Mar 2025 20:50
 Operator : RC/JU
 Sample : Q1481-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-K1311

Quant Time: Mar 06 00:16:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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

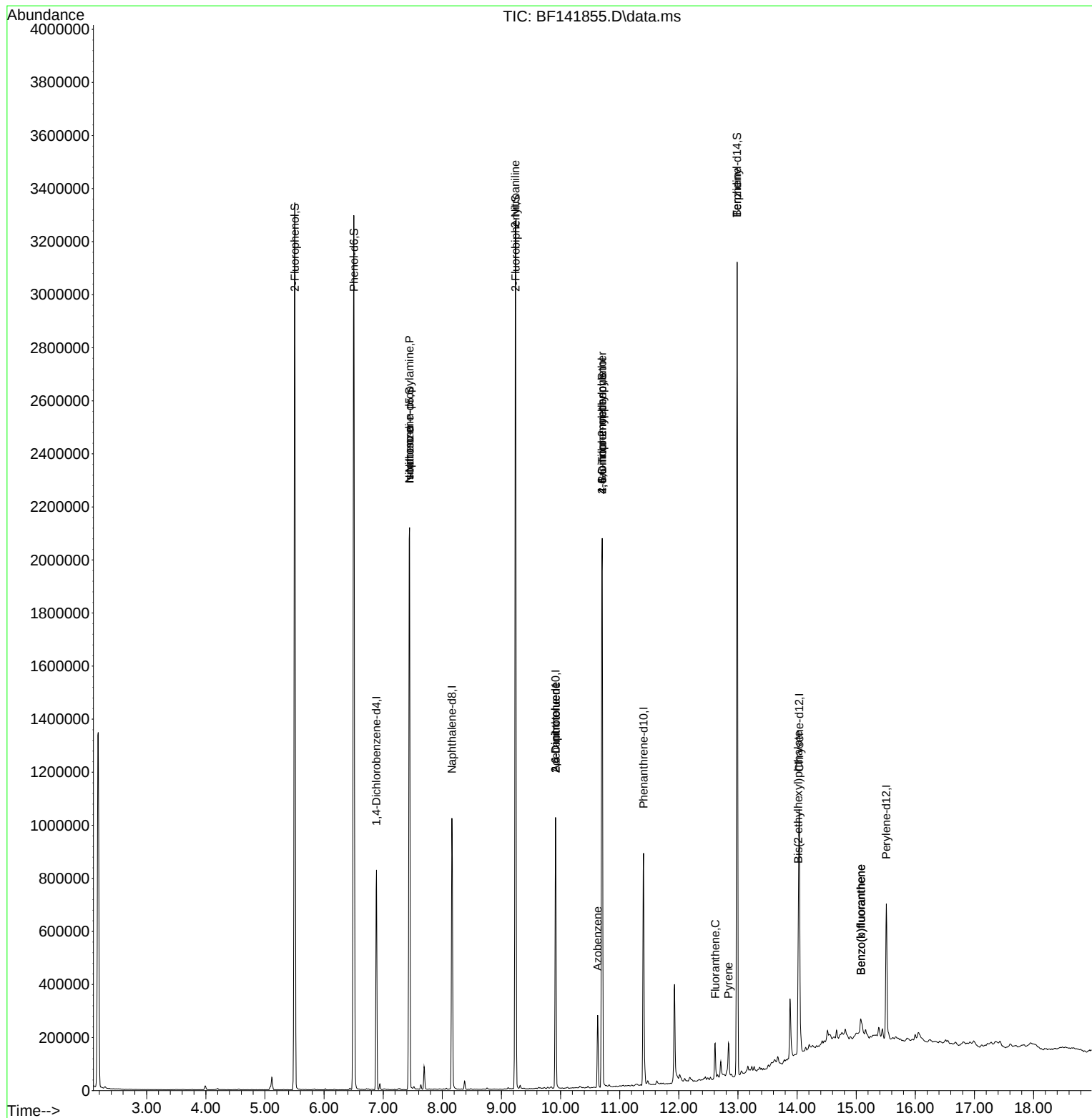
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	169412	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	621578	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	291548	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	443263	20.000	ng	0.00
76) Chrysene-d12	14.039	240	400805	20.000	ng	-0.01
86) Perylene-d12	15.509	264	289177	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1284542	121.089	ng	0.00
7) Phenol-d6	6.504	99	1592751	115.354	ng	0.00
23) Nitrobenzene-d5	7.445	82	973560	100.116	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	335411	122.542	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1422846	78.253	ng	0.00
79) Terphenyl-d14	12.986	244	1449628	58.517	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	133778	14.739	ng	# 78
25) Isophorone	7.445	82	970095	46.435	ng	# 66
48) 2-Nitroaniline	9.233	65	2435	4.833	ng	# 1
51) 2,6-Dinitrotoluene	9.916	165	37179	12.196	ng	# 21
57) 2,4-Dinitrotoluene	9.916	165	37179	11.076	ng	# 20
63) Azobenzene	10.627	77	66279	3.216	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.704	198	927	8.495	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	22923	4.427	ng	# 1
75) Fluoranthene	12.616	202	75744	3.118	ng	98
77) Benzidine	12.986	184	20939	4.151	ng	# 91
78) Pyrene	12.839	202	72931	2.101	ng	98
84) Bis(2-ethylhexyl)phtha...	14.021	149	132759	8.455	ng	100
88) Benzo(b)fluoranthene	15.080	252	44038	2.236	ng	# 91
89) Benzo(k)fluoranthene	15.080	252	44038	2.630	ng	# 91

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

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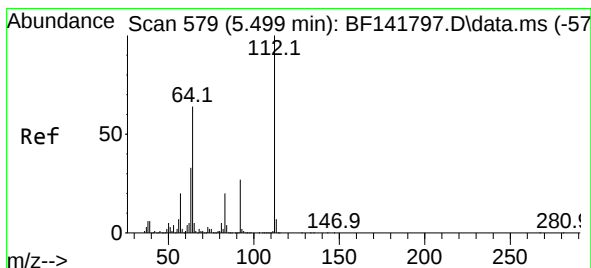
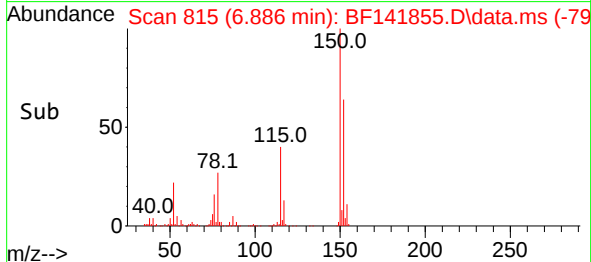
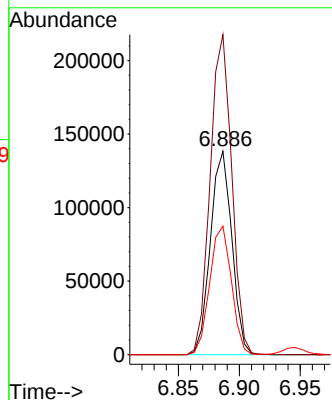
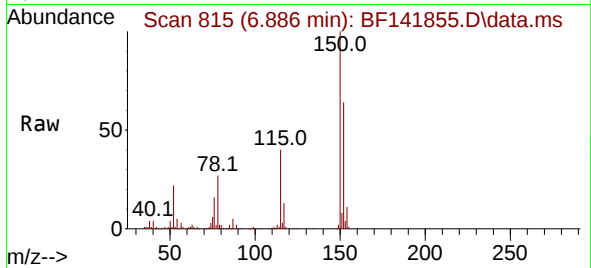




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.886 min Scan# 816
 Delta R.T. -0.007 min
 Lab File: BF141855.D
 Acq: 05 Mar 2025 20:50

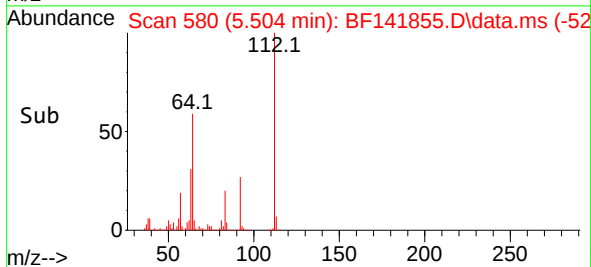
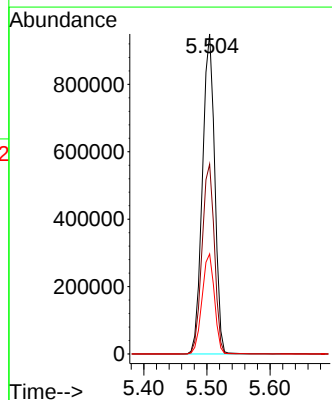
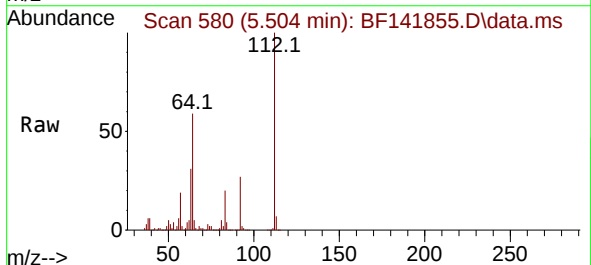
Instrument :
 BNA_F
 ClientSampleId :
 WC-K1311

Tgt Ion:152 Resp: 169412
 Ion Ratio Lower Upper
 152 100
 150 157.3 127.5 191.3
 115 63.2 51.4 77.2



#5
 2-Fluorophenol
 Concen: 121.089 ng
 RT: 5.504 min Scan# 580
 Delta R.T. 0.006 min
 Lab File: BF141855.D
 Acq: 05 Mar 2025 20:50

Tgt Ion:112 Resp: 1284542
 Ion Ratio Lower Upper
 112 100
 64 59.3 51.3 76.9
 63 31.3 26.2 39.4

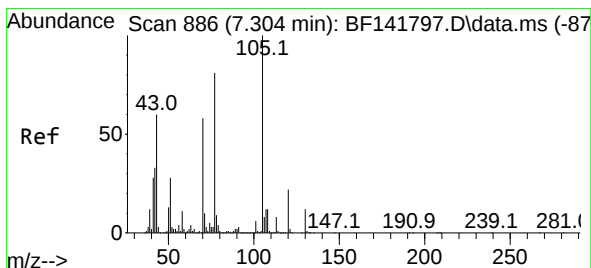
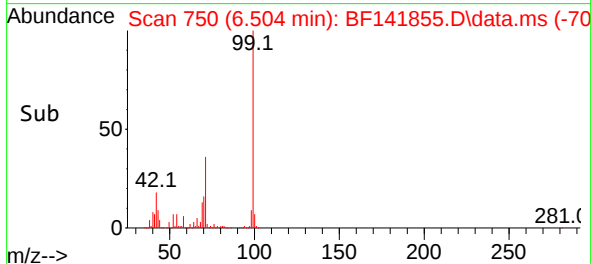
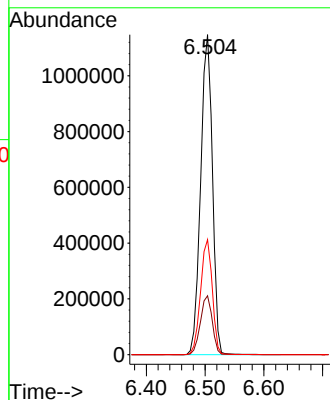
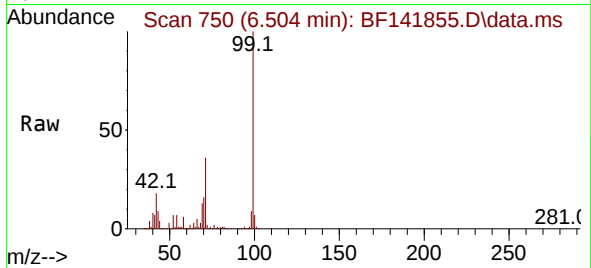




#7
Phenol-d6
Concen: 115.354 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141855.D
Acq: 05 Mar 2025 20:50

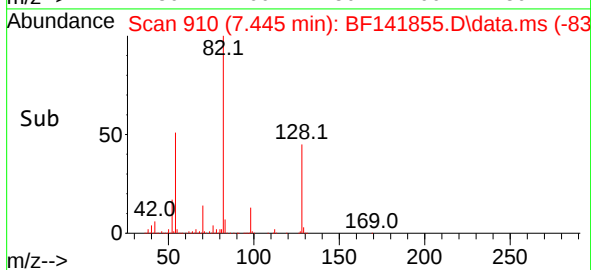
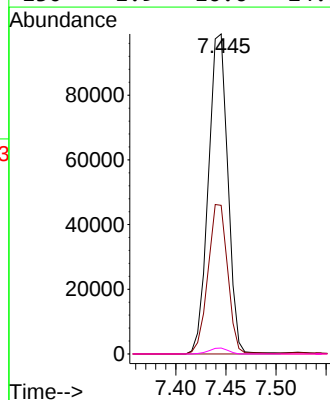
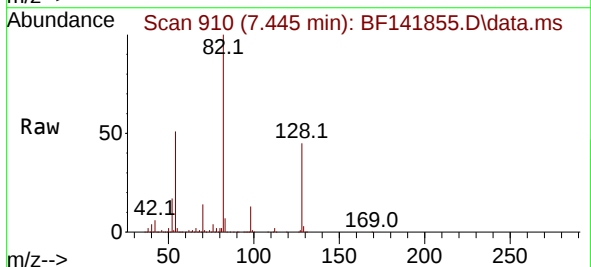
Instrument :
BNA_F
ClientSampleId :
WC-K1311

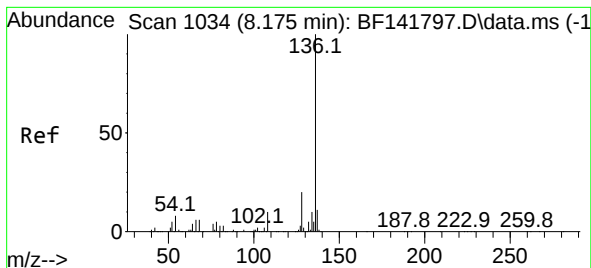
Tgt Ion: 99 Resp: 1592751
Ion Ratio Lower Upper
99 100
42 18.4 15.2 22.8
71 35.9 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 14.739 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF141855.D
Acq: 05 Mar 2025 20:50

Tgt Ion: 70 Resp: 133778
Ion Ratio Lower Upper
70 100
42 46.4 45.4 68.0
101 0.0 7.8 11.8#
130 1.9 16.6 24.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141855.D

Acq: 05 Mar 2025 20:50

Instrument :

BNA_F

ClientSampleId :

WC-K1311

Tgt Ion:136 Resp: 621578

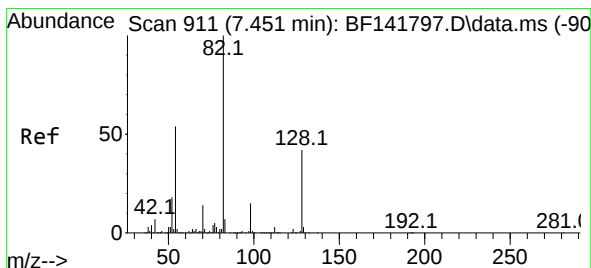
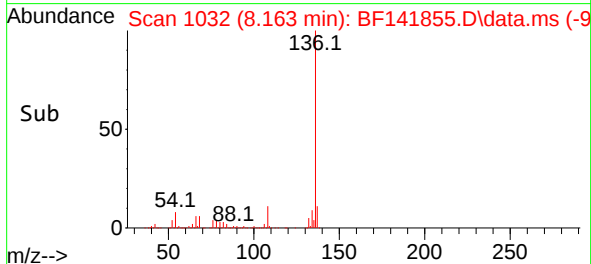
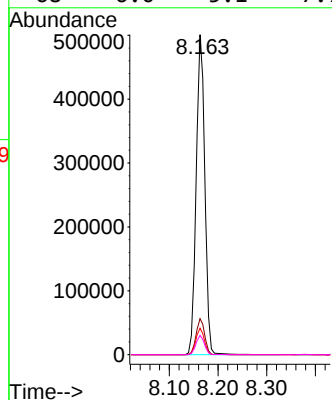
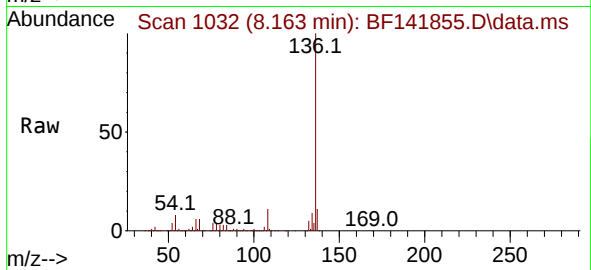
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 8.3 6.9 10.3

68 6.0 5.1 7.7



#23

Nitrobenzene-d5

Concen: 100.116 ng

RT: 7.445 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF141855.D

Acq: 05 Mar 2025 20:50

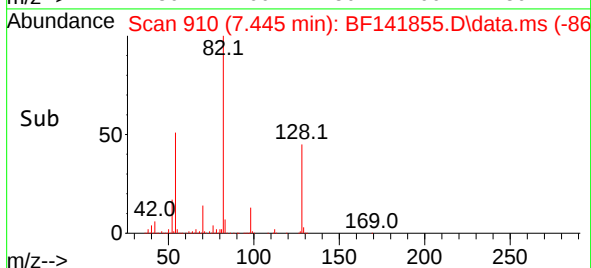
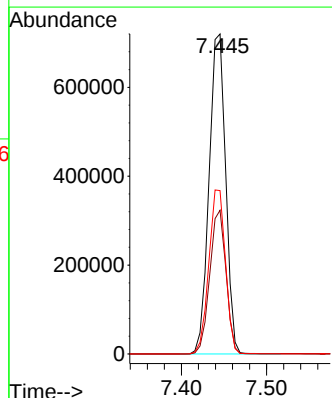
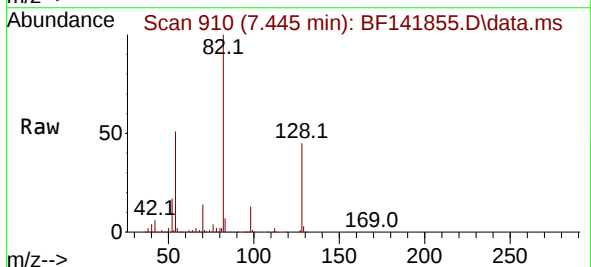
Tgt Ion: 82 Resp: 973560

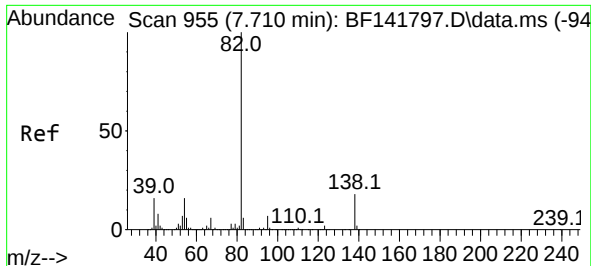
Ion Ratio Lower Upper

82 100

128 44.9 33.5 50.3

54 51.1 42.7 64.1

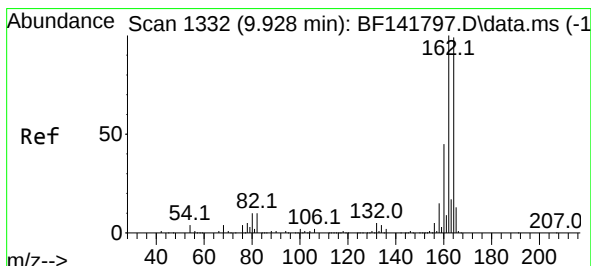
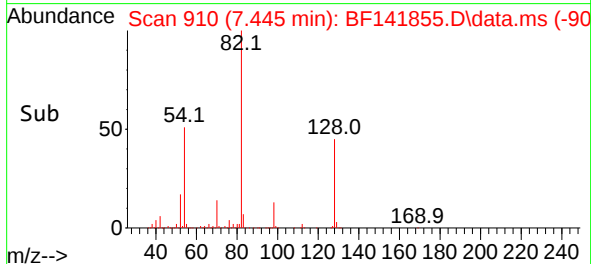
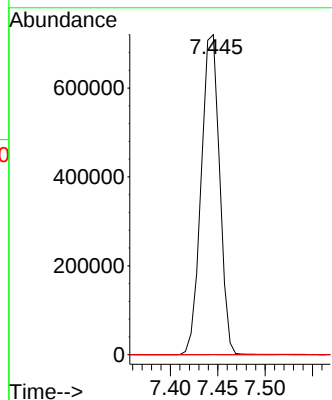
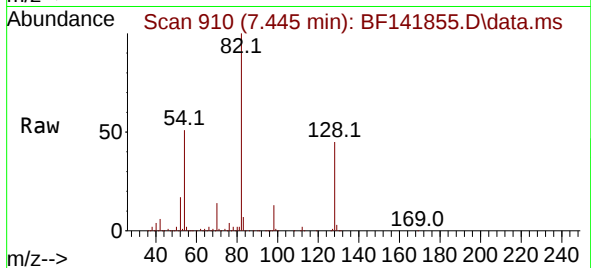




#25
Isophorone
Concen: 46.435 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF141855.D
Acq: 05 Mar 2025 20:50

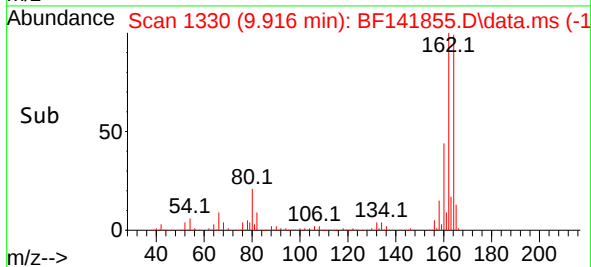
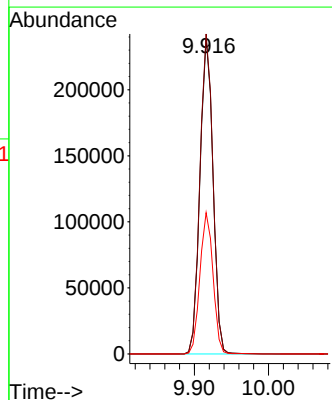
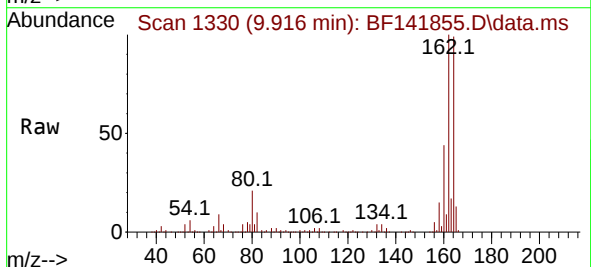
Instrument :
BNA_F
ClientSampleId :
WC-K1311

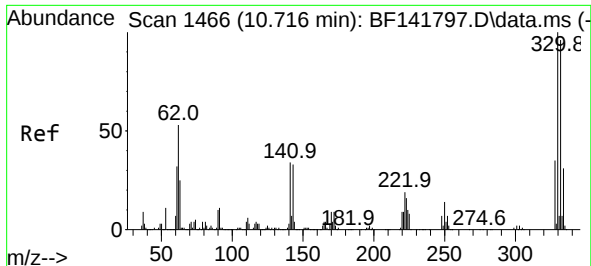
Tgt Ion: 82 Resp: 970095
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.0 21.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.012 min
Lab File: BF141855.D
Acq: 05 Mar 2025 20:50

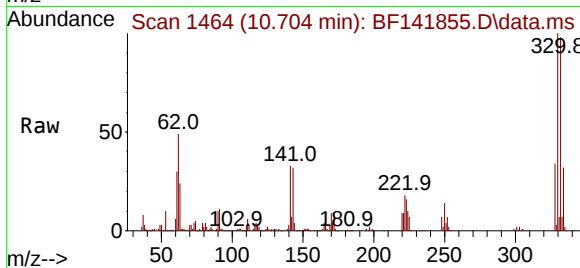
Tgt Ion:164 Resp: 291548
Ion Ratio Lower Upper
164 100
162 101.3 80.6 120.8
160 44.7 36.3 54.5



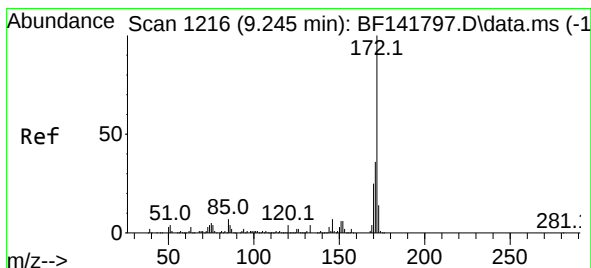
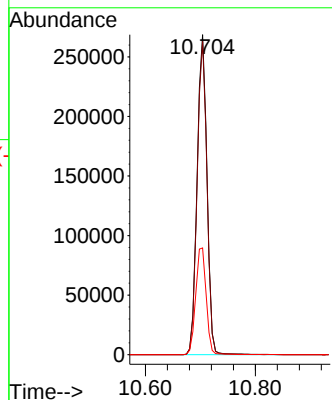
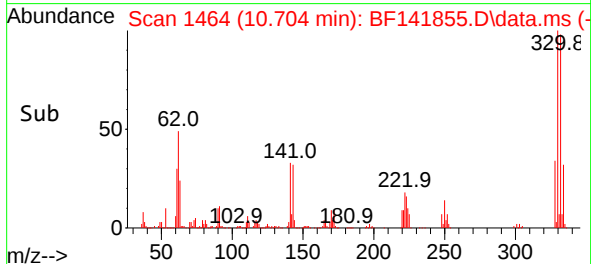


#42
2,4,6-Tribromophenol
Concen: 122.542 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.012 min
Lab File: BF141855.D
Acq: 05 Mar 2025 20:50

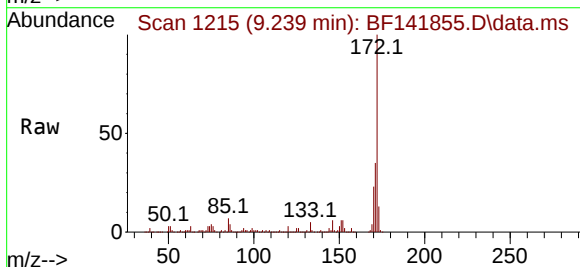
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WC-K1311



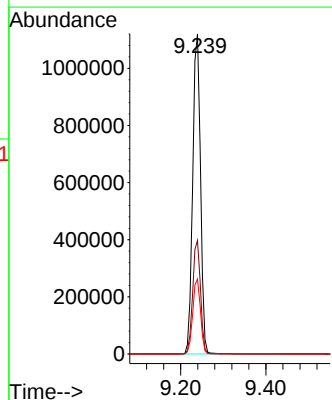
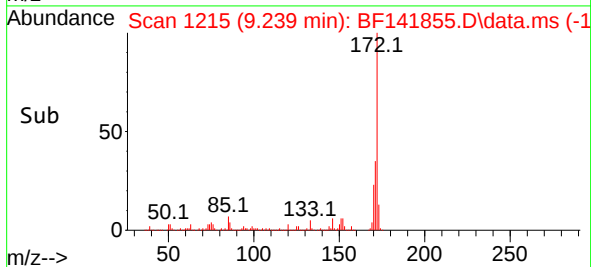
Tgt Ion:330 Resp: 335411
Ion Ratio Lower Upper
330 100
332 97.1 76.6 115.0
141 35.4 29.0 43.4

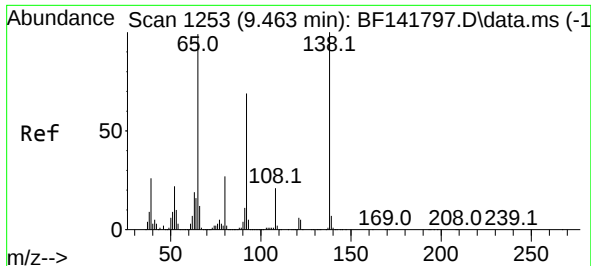


#45
2-Fluorobiphenyl
Concen: 78.253 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF141855.D
Acq: 05 Mar 2025 20:50



Tgt Ion:172 Resp: 1422846
Ion Ratio Lower Upper
172 100
171 35.5 29.2 43.8
170 23.4 19.7 29.5

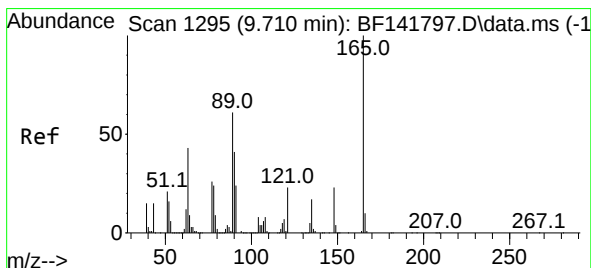
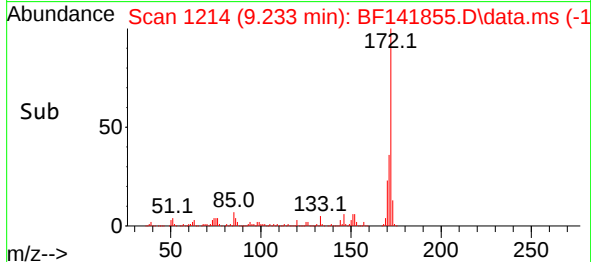
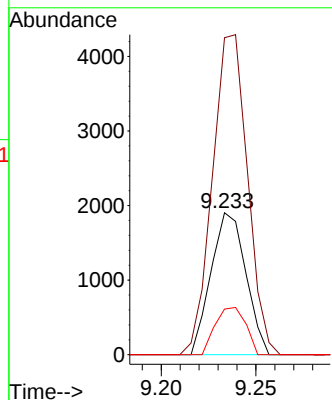
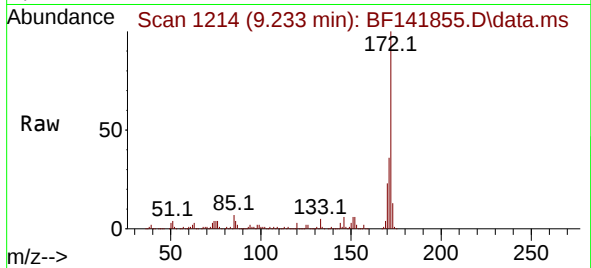




#48
2-Nitroaniline
Concen: 4.833 ng
RT: 9.233 min Scan# 11
Delta R.T. -0.230 min
Lab File: BF141855.D
Acq: 05 Mar 2025 20:50

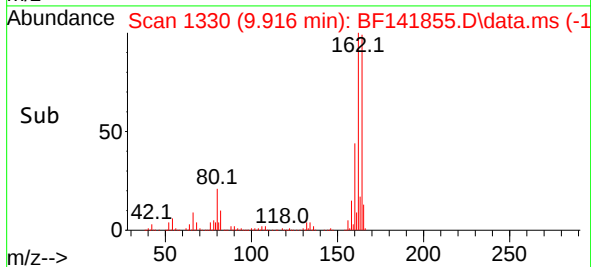
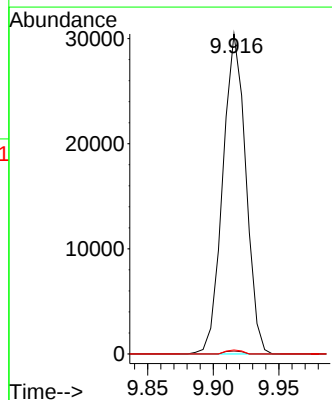
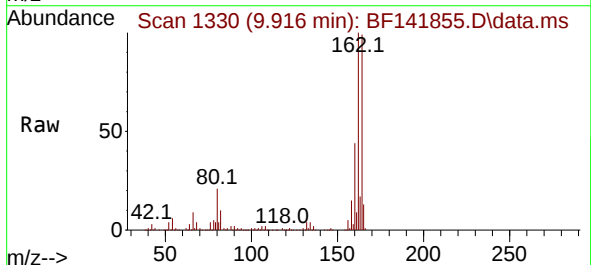
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WC-K1311

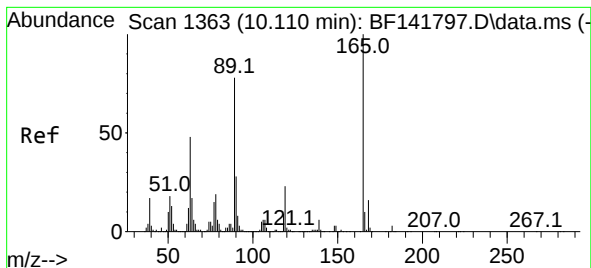
Tgt Ion: 65 Resp: 2435
Ion Ratio Lower Upper
65 100
92 223.4 55.7 83.5#
138 32.1 80.6 121.0#



#51
2,6-Dinitrotoluene
Concen: 12.196 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.206 min
Lab File: BF141855.D
Acq: 05 Mar 2025 20:50

Tgt Ion: 165 Resp: 37179
Ion Ratio Lower Upper
165 100
63 0.9 49.5 74.3#
89 1.2 49.0 73.4#

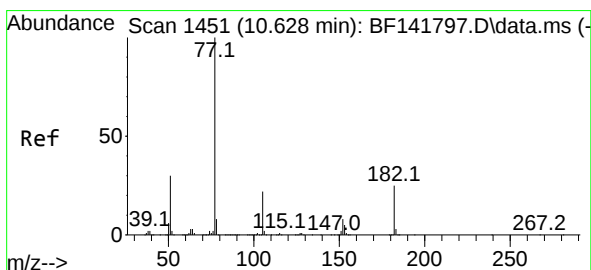
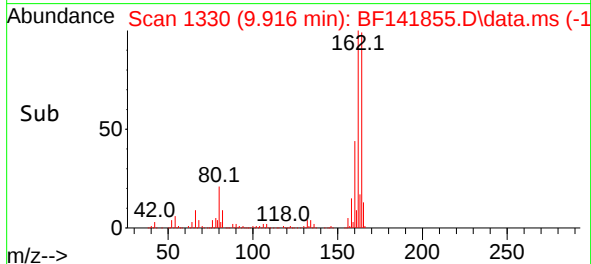
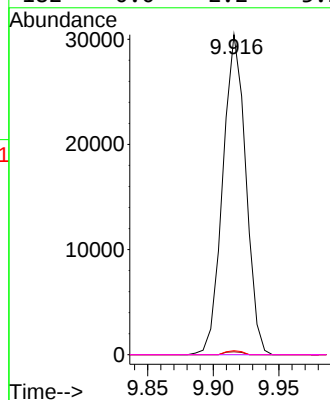
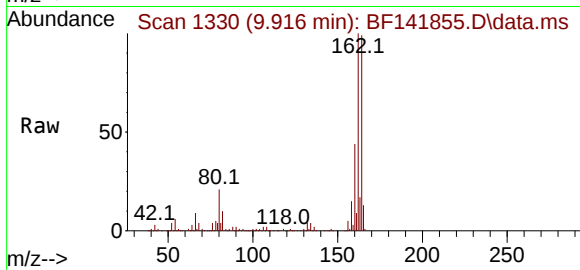




#57
2,4-Dinitrotoluene
Concen: 11.076 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF141855.D
Acq: 05 Mar 2025 20:50

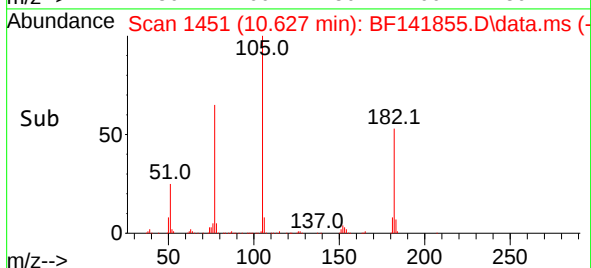
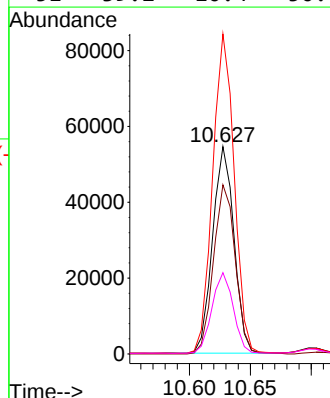
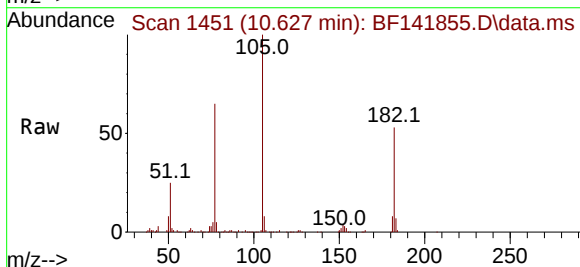
Instrument :
BNA_F
ClientSampleId :
WC-K1311

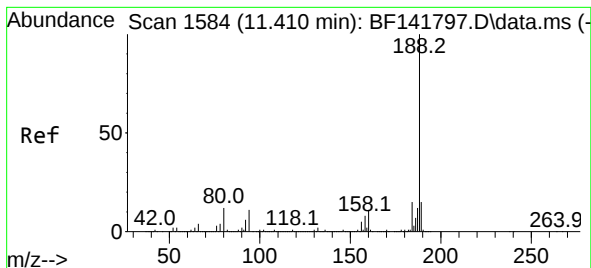
Tgt Ion:165 Resp: 37179
Ion Ratio Lower Upper
165 100
63 0.9 38.8 58.2#
89 1.2 62.6 94.0#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 3.216 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BF141855.D
Acq: 05 Mar 2025 20:50

Tgt Ion: 77 Resp: 66279
Ion Ratio Lower Upper
77 100
182 81.6 4.2 44.2#
105 154.4 1.5 41.5#
51 39.2 10.4 50.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141855.D

Acq: 05 Mar 2025 20:50

Instrument :

BNA_F

ClientSampleId :

WC-K1311

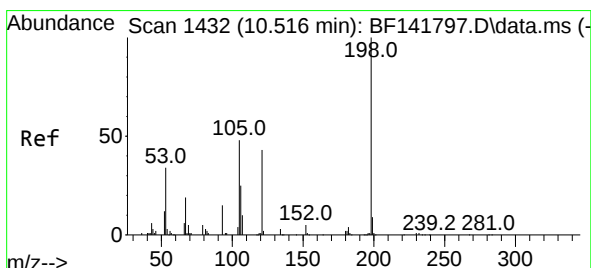
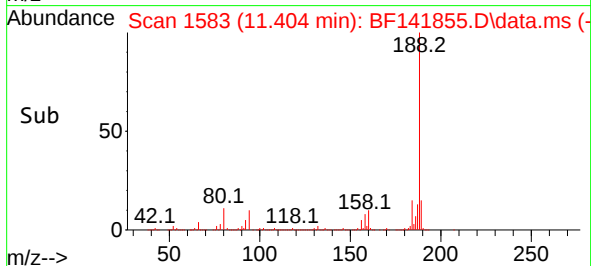
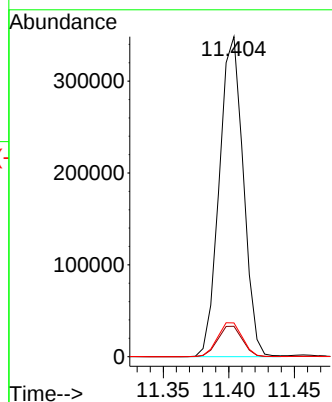
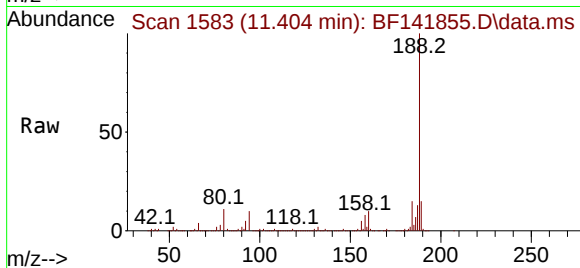
Tgt Ion:188 Resp: 443263

Ion Ratio Lower Upper

188 100

94 9.5 8.9 13.3

80 10.6 9.7 14.5



#65

4,6-Dinitro-2-methylphenol

Concen: 8.495 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.188 min

Lab File: BF141855.D

Acq: 05 Mar 2025 20:50

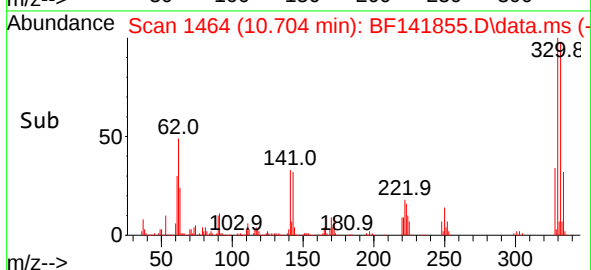
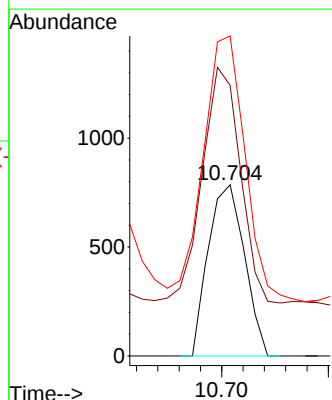
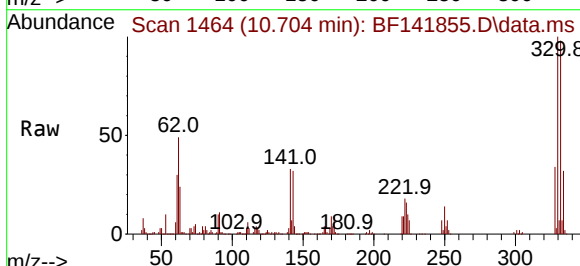
Tgt Ion:198 Resp: 927

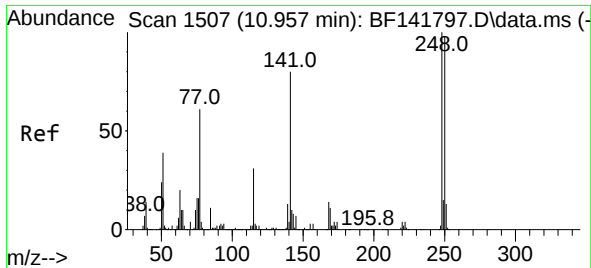
Ion Ratio Lower Upper

198 100

51 158.0 32.1 72.1#

105 186.9 28.5 68.5#

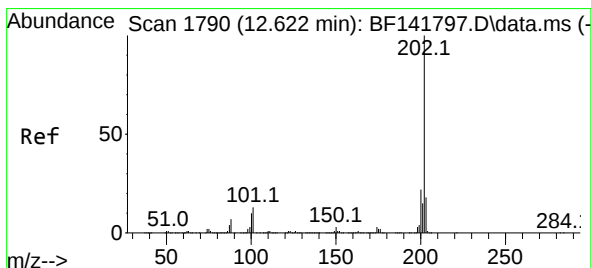
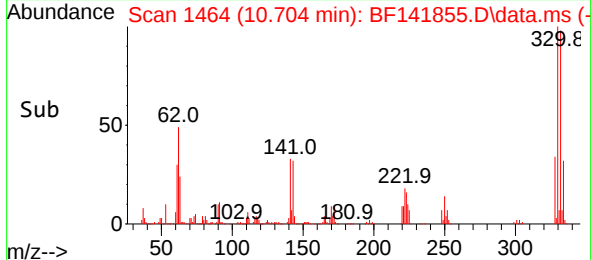
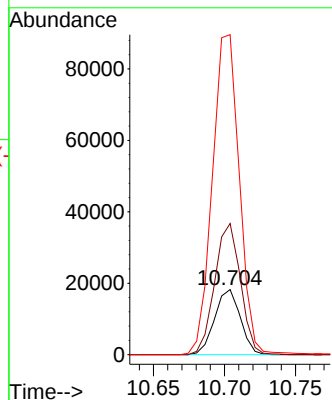
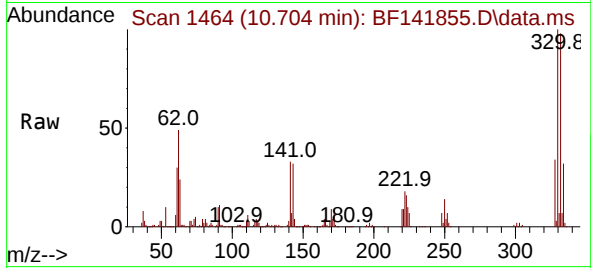




#67
4-Bromophenyl-phenylether
Concen: 4.427 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.253 min
Lab File: BF141855.D
Acq: 05 Mar 2025 20:50

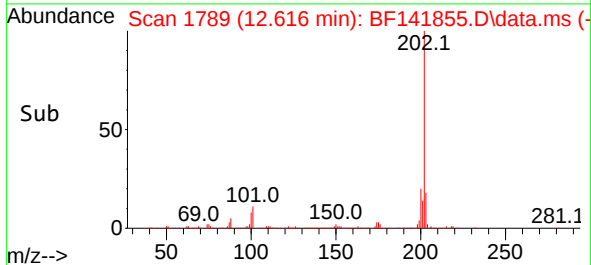
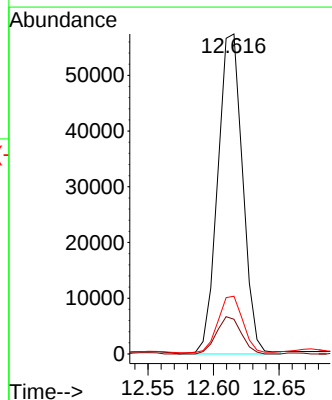
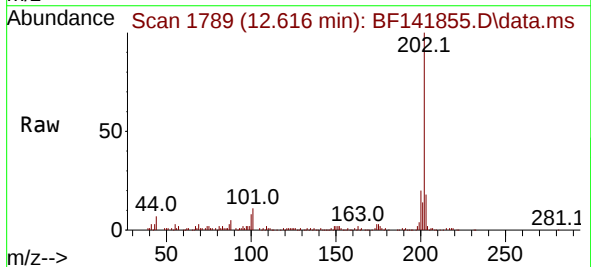
Instrument :
BNA_F
ClientSampleId :
WC-K1311

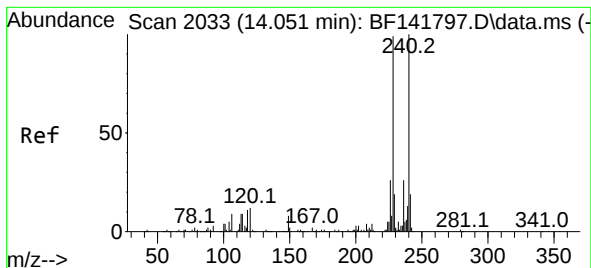
Tgt Ion:248 Resp: 22923
Ion Ratio Lower Upper
248 100
250 201.3 78.1 117.1#
141 491.0 64.3 96.5#



#75
Fluoranthene
Concen: 3.118 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF141855.D
Acq: 05 Mar 2025 20:50

Tgt Ion:202 Resp: 75744
Ion Ratio Lower Upper
202 100
101 10.8 0.0 32.8
203 18.1 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.012 min

Lab File: BF141855.D

Acq: 05 Mar 2025 20:50

Instrument :

BNA_F

ClientSampleId :

WC-K1311

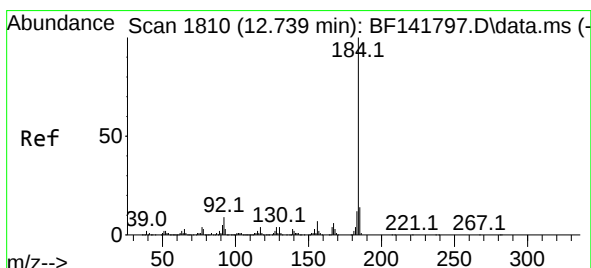
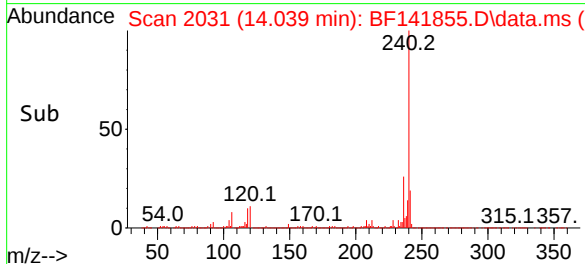
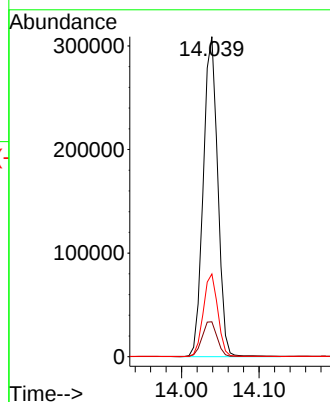
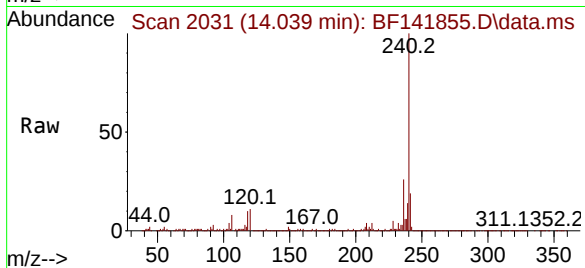
Tgt Ion:240 Resp: 400805

Ion Ratio Lower Upper

240 100

120 10.9 9.7 14.5

236 25.8 21.0 31.4



#77

Benzidine

Concen: 4.151 ng

RT: 12.986 min Scan# 1852

Delta R.T. 0.247 min

Lab File: BF141855.D

Acq: 05 Mar 2025 20:50

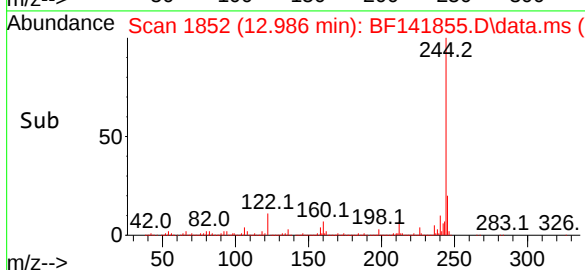
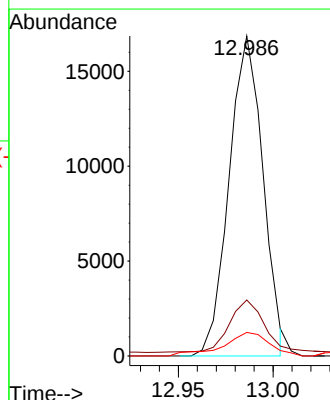
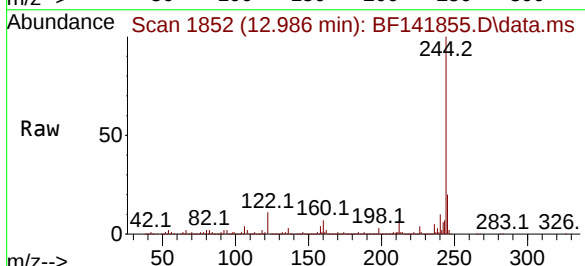
Tgt Ion:184 Resp: 20939

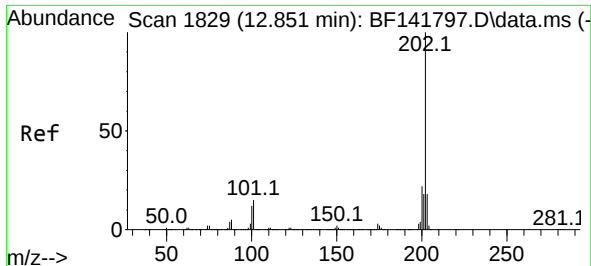
Ion Ratio Lower Upper

184 100

185 17.5 11.6 17.4#

183 7.4 9.4 14.0#

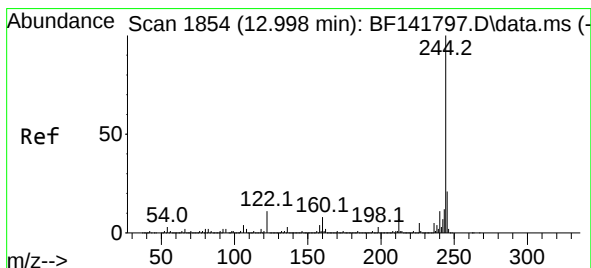
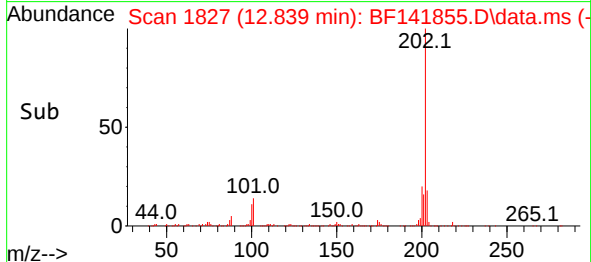
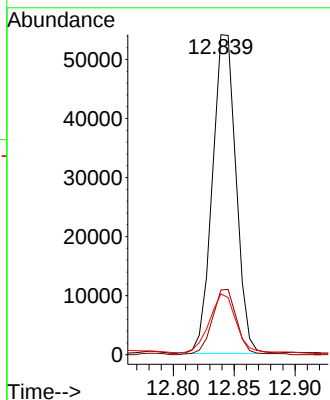
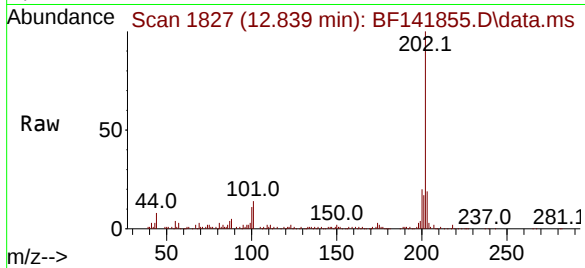




#78
 Pyrene
 Concen: 2.101 ng
 RT: 12.839 min Scan# 1827
 Delta R.T. -0.012 min
 Lab File: BF141855.D
 Acq: 05 Mar 2025 20:50

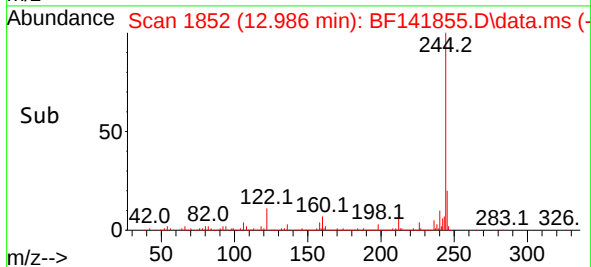
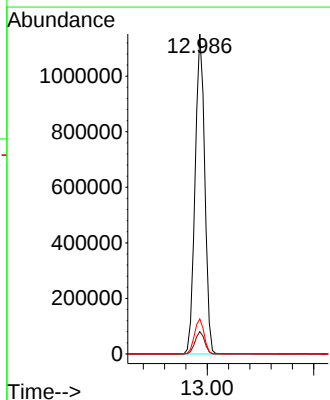
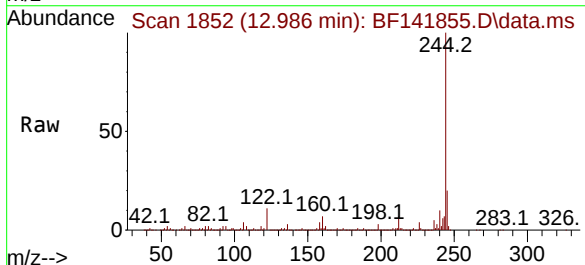
Instrument :
 BNA_F
 ClientSampleId :
 WC-K1311

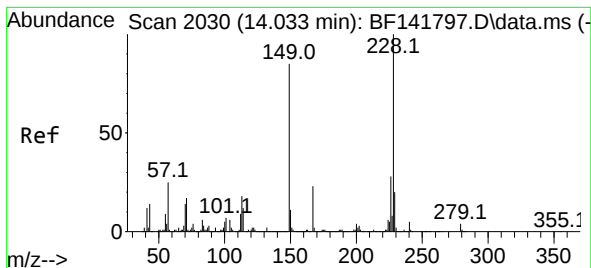
Tgt Ion:	202	Resp:	72931
Ion Ratio	Lower	Upper	
202	100		
200	20.2	17.4	26.0
203	19.0	14.6	22.0



#79
 Terphenyl-d14
 Concen: 58.517 ng
 RT: 12.986 min Scan# 1852
 Delta R.T. -0.012 min
 Lab File: BF141855.D
 Acq: 05 Mar 2025 20:50

Tgt Ion:	244	Resp:	1449628
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.0	9.0
122	11.0	9.0	13.6

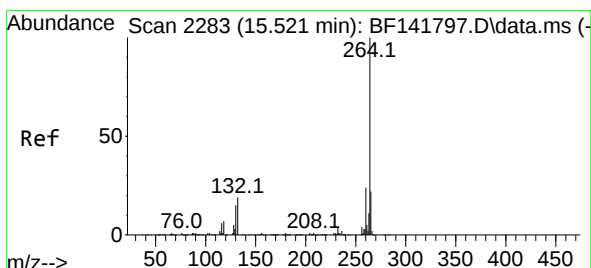
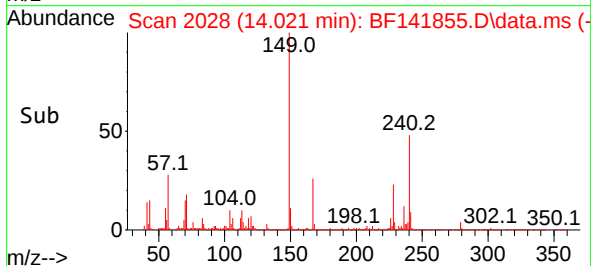
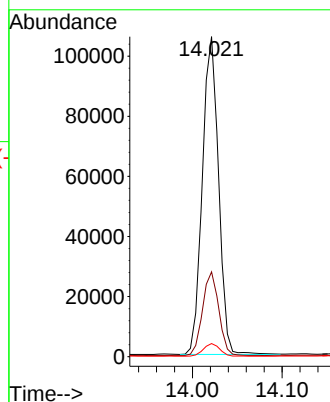
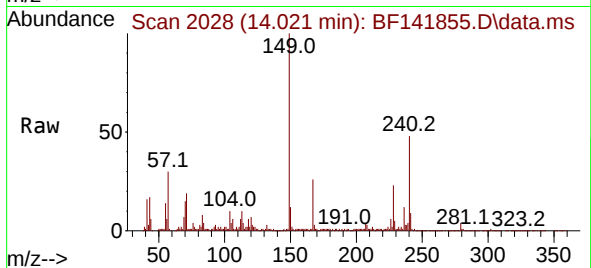




#84
Bis(2-ethylhexyl)phthalate
Concen: 8.455 ng
RT: 14.021 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF141855.D
Acq: 05 Mar 2025 20:50

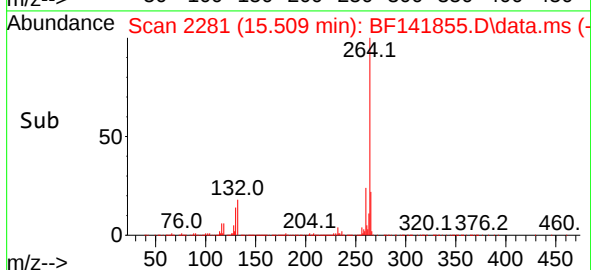
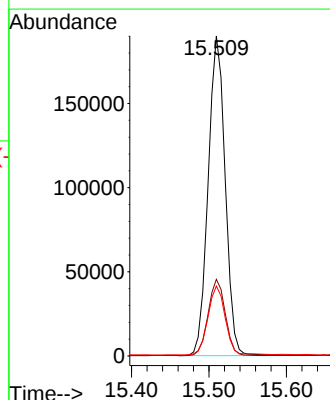
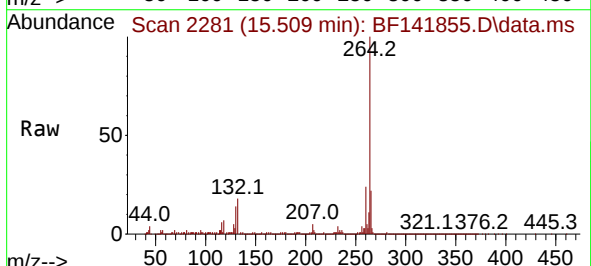
Instrument :
BNA_F
ClientSampleId :
WC-K1311

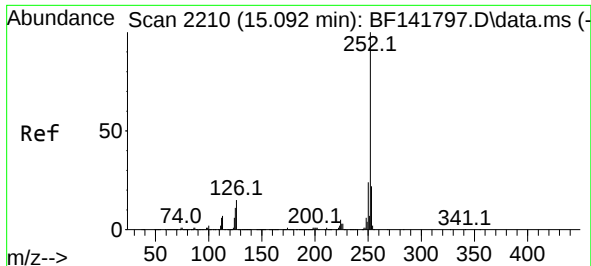
Tgt Ion:149 Resp: 132759
Ion Ratio Lower Upper
149 100
167 26.5 21.2 31.8
279 4.1 3.3 4.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2281
Delta R.T. -0.012 min
Lab File: BF141855.D
Acq: 05 Mar 2025 20:50

Tgt Ion:264 Resp: 289177
Ion Ratio Lower Upper
264 100
260 24.0 18.9 28.3
265 21.8 17.4 26.0

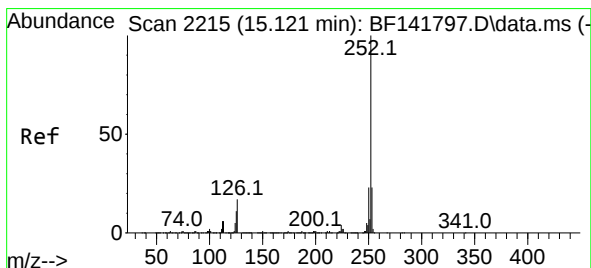
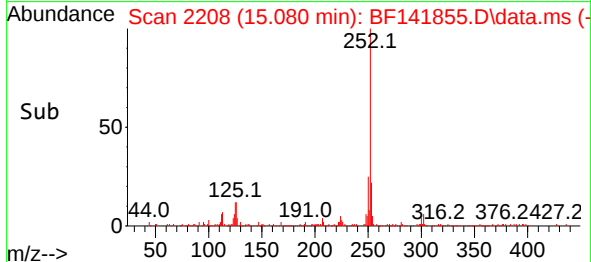
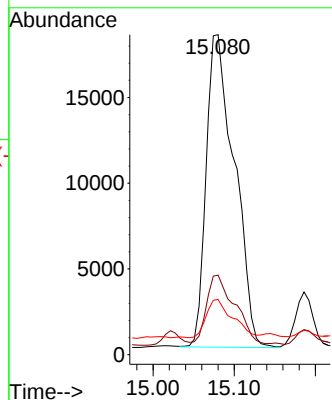
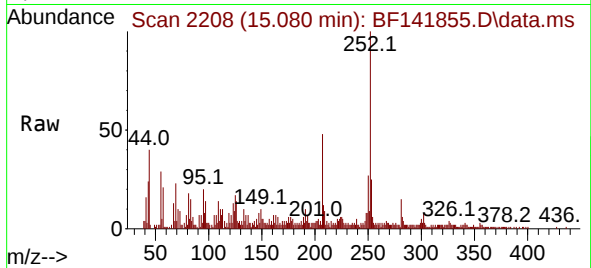




#88
Benzo(b)fluoranthene
Concen: 2.236 ng
RT: 15.080 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141855.D
Acq: 05 Mar 2025 20:50

Instrument :
BNA_F
ClientSampleId :
WC-K1311

Tgt Ion:252 Resp: 44038
Ion Ratio Lower Upper
252 100
253 24.8 17.7 26.5
125 17.2 8.6 13.0#



#89
Benzo(k)fluoranthene
Concen: 2.630 ng
RT: 15.080 min Scan# 2208
Delta R.T. -0.041 min
Lab File: BF141855.D
Acq: 05 Mar 2025 20:50

Tgt Ion:252 Resp: 44038
Ion Ratio Lower Upper
252 100
253 24.8 17.8 26.8
125 17.2 8.8 13.2#

