

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
 Data File : BF141923.D
 Acq On : 11 Mar 2025 18:42
 Operator : RC/JU
 Sample : Q1534-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-A1-01-C

Quant Time: Mar 12 01:15:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

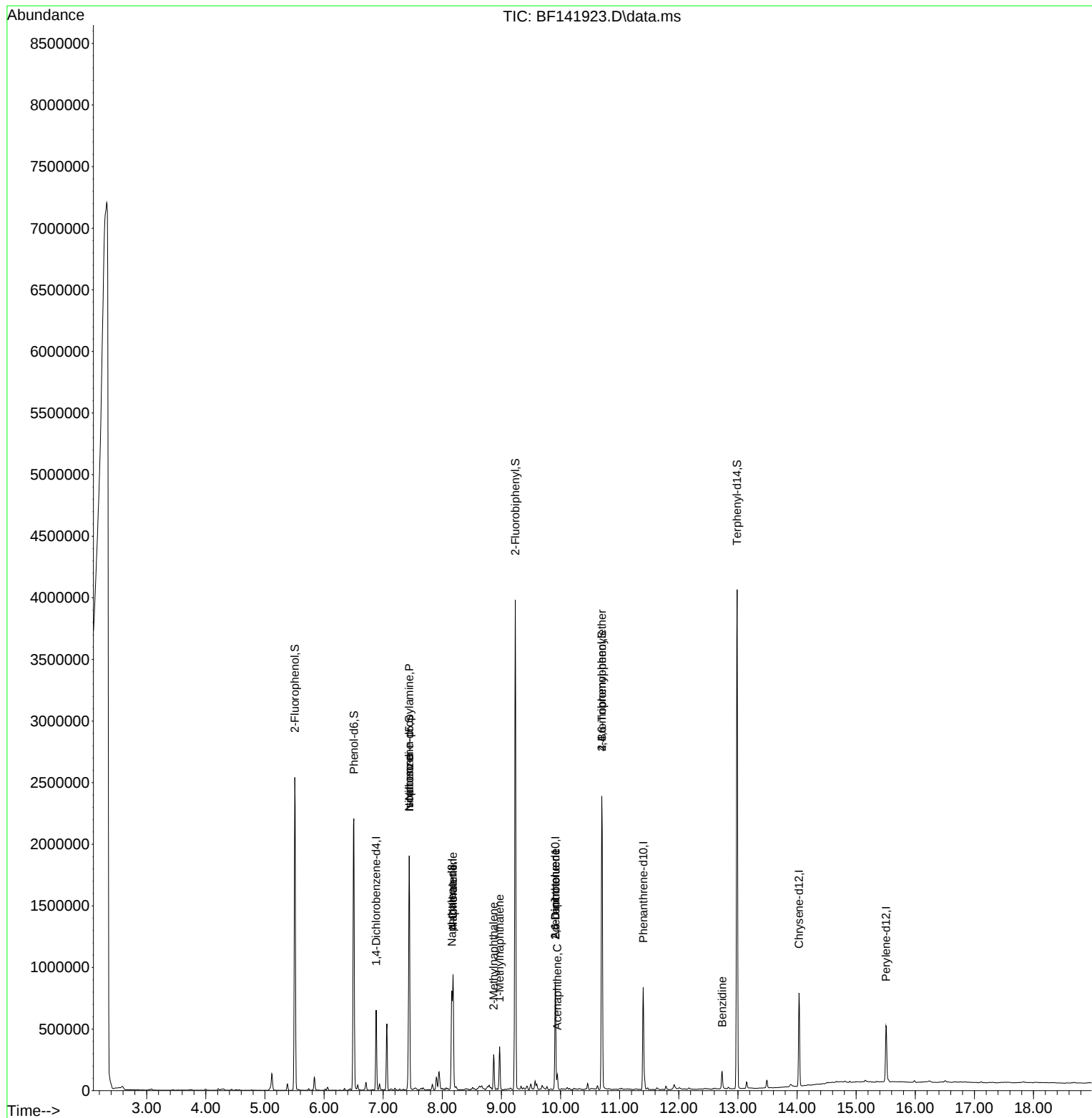
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	132841	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	498756	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	254340	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	415187	20.000	ng	0.00
76) Chrysene-d12	14.033	240	364222	20.000	ng	0.00
86) Perylene-d12	15.504	264	275509	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	988695	124.216	ng	0.01
7) Phenol-d6	6.504	99	1099758	108.519	ng	0.00
23) Nitrobenzene-d5	7.440	82	844353	95.271	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	436097	135.155	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	1723615	103.063	ng	0.00
79) Terphenyl-d14	12.986	244	2030864	82.437	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	118470	18.193	ng	# 78
25) Isophorone	7.440	82	828510	52.885	ng	# 64
31) Naphthalene	8.181	128	545492	21.291	ng	100
33) 4-Chloroaniline	8.181	127	73491	8.126	ng	# 35
37) 2-Methylnaphthalene	8.869	142	103047	6.017	ng	98
38) 1-Methylnaphthalene	8.969	142	125009	7.565	ng	99
51) 2,6-Dinitrotoluene	9.910	165	33741	9.099	ng	# 23
52) Acenaphthene	9.945	154	35731	2.379	ng	97
57) 2,4-Dinitrotoluene	9.910	165	33741	6.966	ng	# 25
67) 4-Bromophenyl-phenylether	10.698	248	28602	5.485	ng	# 1
77) Benzidine	12.733	184	77233	15.199	ng	98

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

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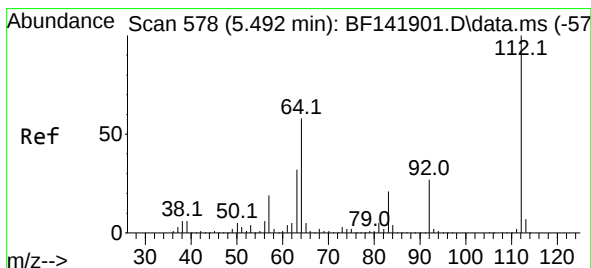
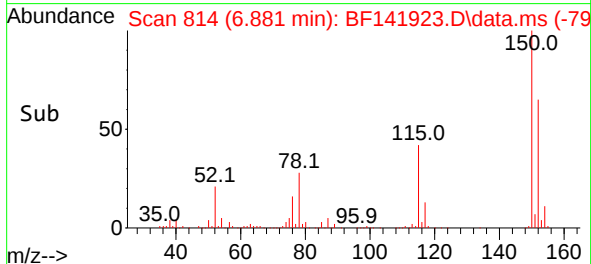
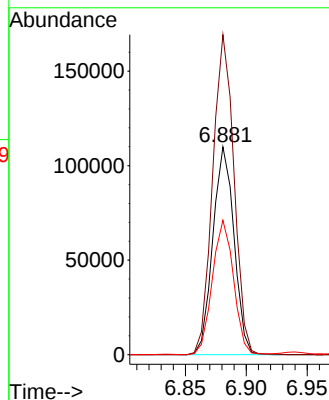
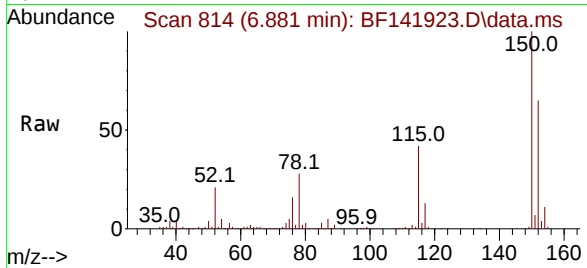




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141923.D
Acq: 11 Mar 2025 18:42

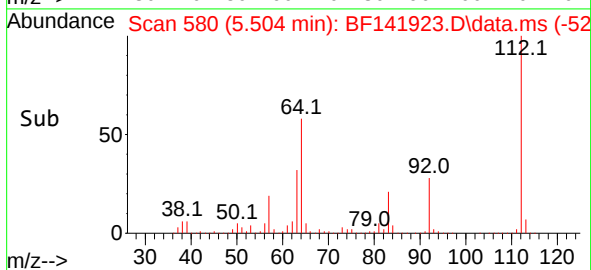
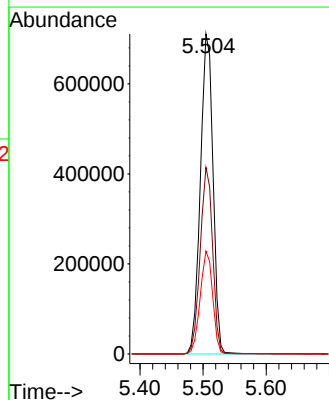
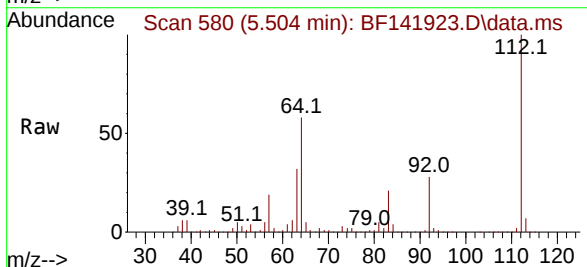
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BNA_F
ClientSampleId :
WC-A1-01-C

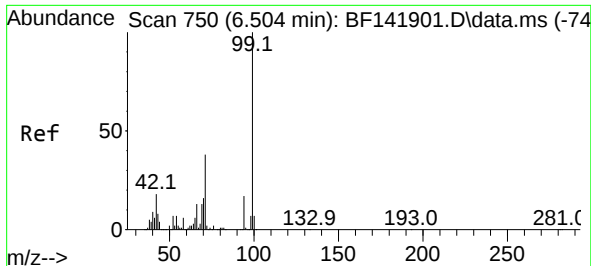
Tgt Ion:152 Resp: 132841
Ion Ratio Lower Upper
152 100
150 153.9 127.4 191.2
115 64.7 51.9 77.9



#5
2-Fluorophenol
Concen: 124.216 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF141923.D
Acq: 11 Mar 2025 18:42

Tgt Ion:112 Resp: 988695
Ion Ratio Lower Upper
112 100
64 58.3 46.5 69.7
63 32.1 25.4 38.2

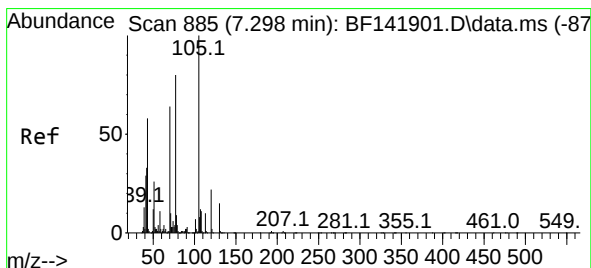
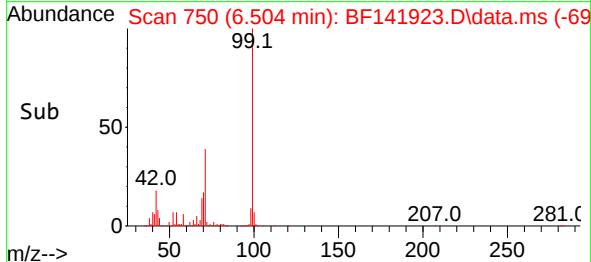
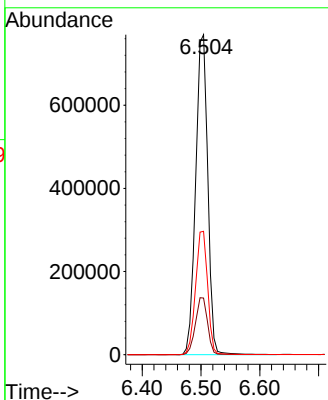
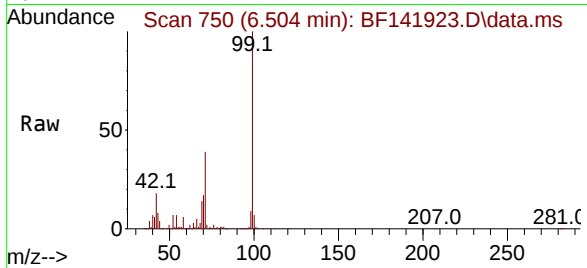




#7
Phenol-d6
Concen: 108.519 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF141923.D
Acq: 11 Mar 2025 18:42

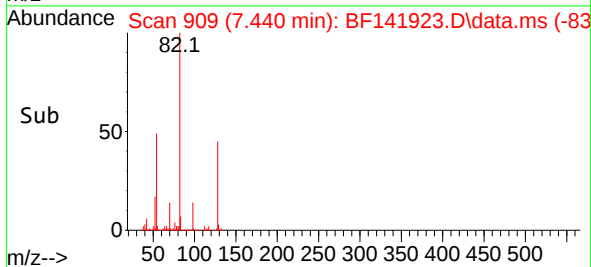
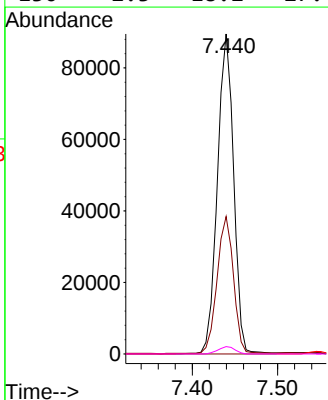
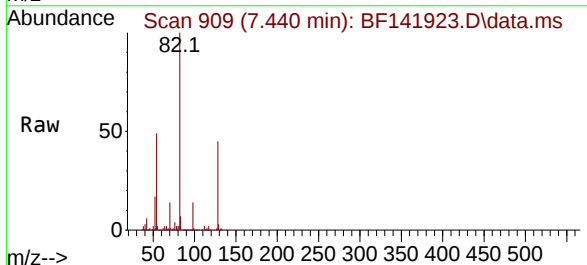
Instrument :
BNA_F
ClientSampleId :
WC-A1-01-C

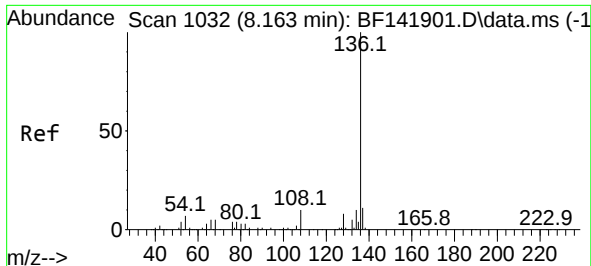
Tgt Ion: 99 Resp: 1099758
Ion Ratio Lower Upper
99 100
42 17.7 14.6 21.8
71 38.6 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 18.193 ng
RT: 7.440 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF141923.D
Acq: 11 Mar 2025 18:42

Tgt Ion: 70 Resp: 118470
Ion Ratio Lower Upper
70 100
42 43.0 41.4 62.0
101 0.0 8.2 12.2#
130 2.3 18.2 27.4#

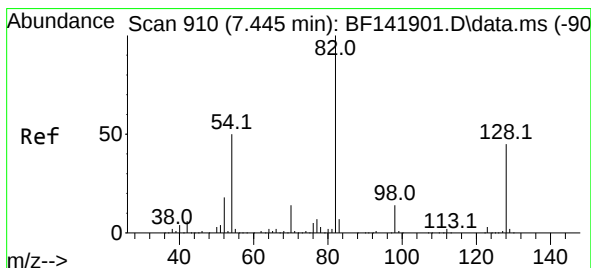
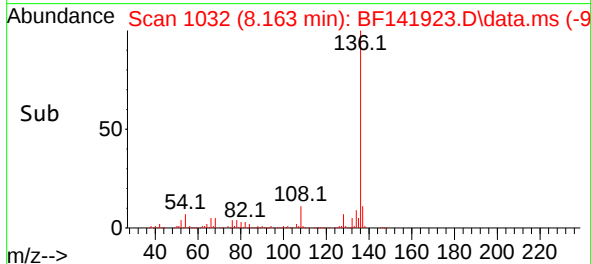
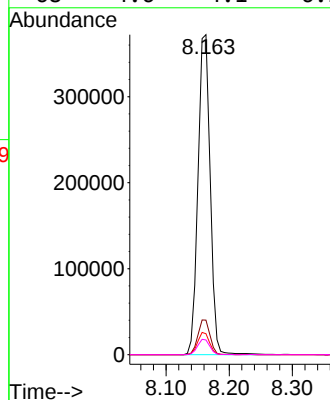
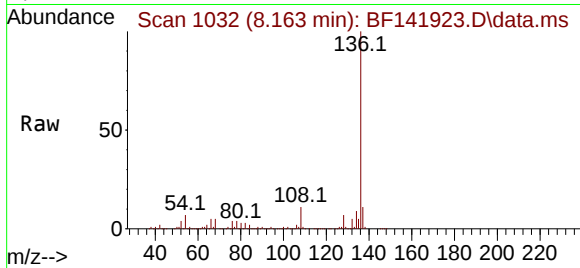




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BF141923.D
Acq: 11 Mar 2025 18:42

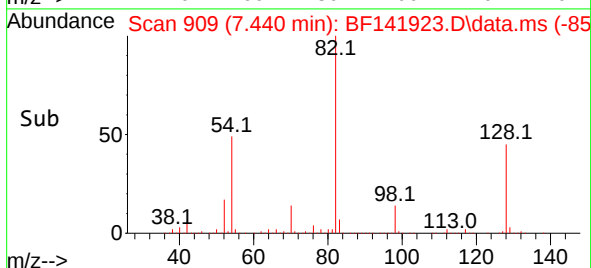
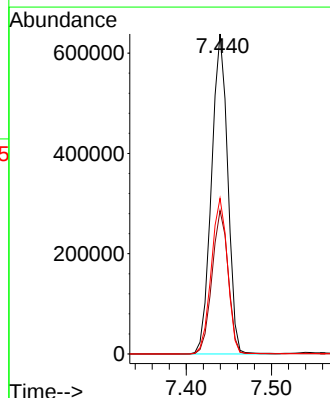
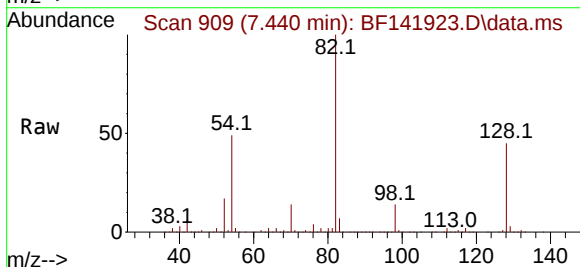
Instrument :
BNA_F
ClientSampleId :
WC-A1-01-C

Tgt Ion:	136	Resp:	498756
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.8	13.2
54	6.6	5.8	8.8
68	4.6	4.1	6.1



#23
Nitrobenzene-d5
Concen: 95.271 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF141923.D
Acq: 11 Mar 2025 18:42

Tgt Ion:	82	Resp:	844353
Ion Ratio	Lower	Upper	
82	100		
128	44.8	36.0	54.0
54	48.7	39.6	59.4

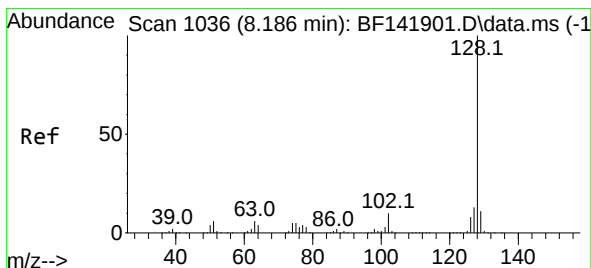
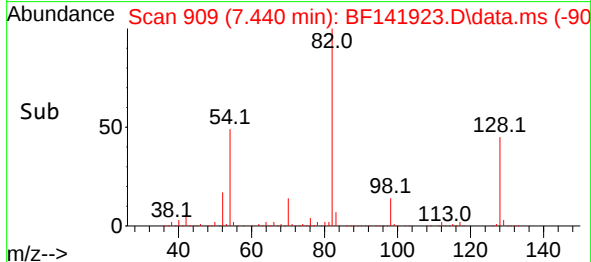
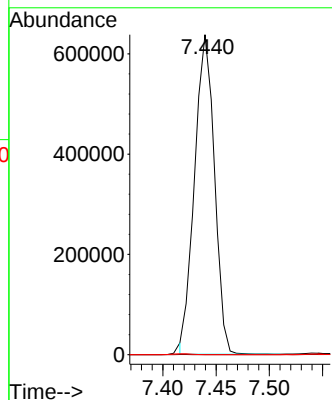
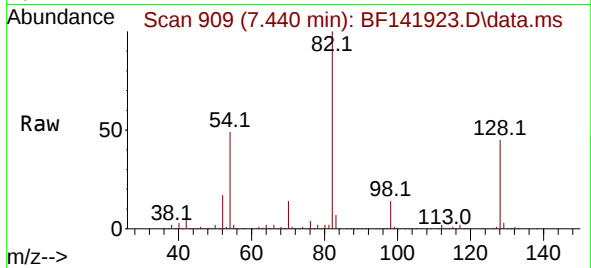




#25
Isophorone
Concen: 52.885 ng
RT: 7.440 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF141923.D
Acq: 11 Mar 2025 18:42

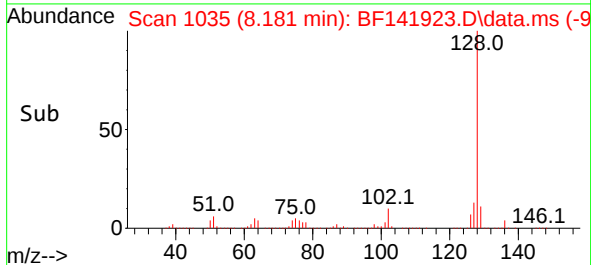
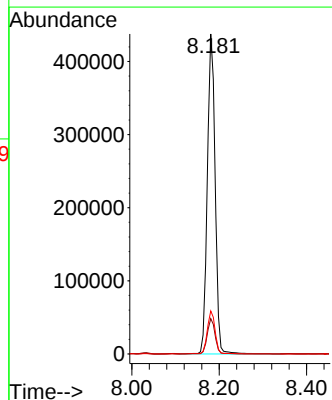
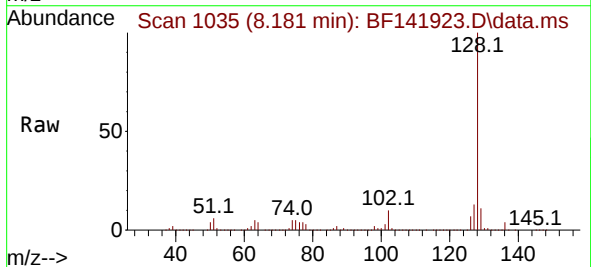
Instrument :
BNA_F
ClientSampleId :
WC-A1-01-C

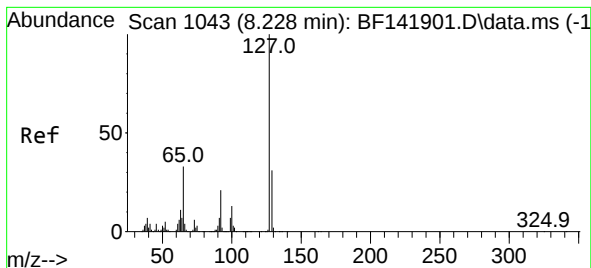
Tgt Ion: 82 Resp: 828510
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#31
Naphthalene
Concen: 21.291 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF141923.D
Acq: 11 Mar 2025 18:42

Tgt Ion: 128 Resp: 545492
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.6
127 13.4 10.8 16.2





#33

4-Chloroaniline

Concen: 8.126 ng

RT: 8.181 min Scan# 1035

Delta R.T. -0.047 min

Lab File: BF141923.D

Acq: 11 Mar 2025 18:42

Instrument :

BNA_F

ClientSampleId :

WC-A1-01-C

Tgt Ion:127 Resp: 73491

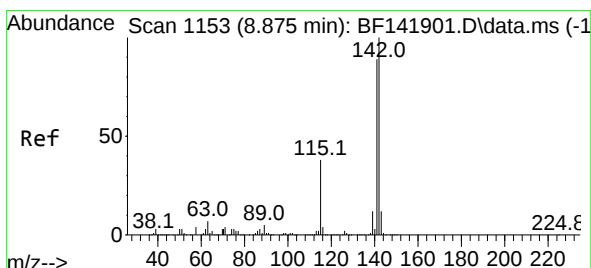
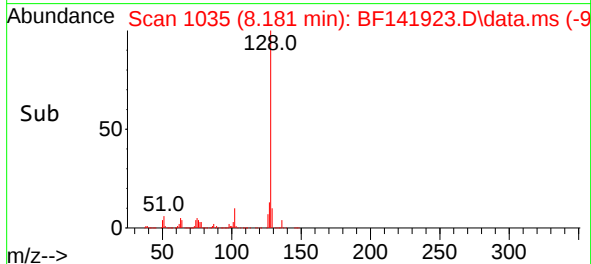
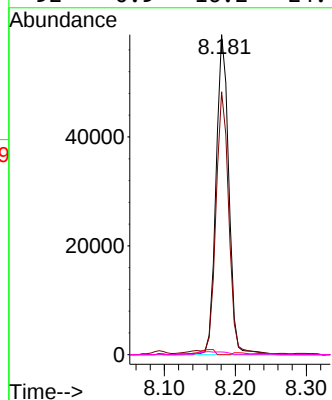
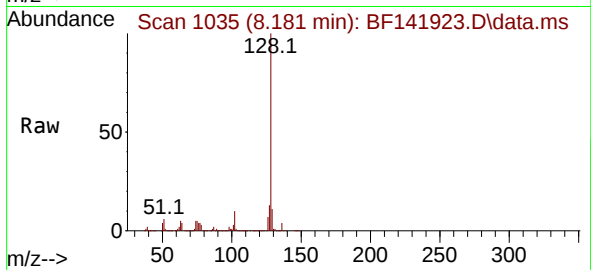
Ion Ratio Lower Upper

127 100

129 82.1 26.2 39.4#

65 0.0 25.4 38.2#

92 0.9 16.2 24.4#



#37

2-Methylnaphthalene

Concen: 6.017 ng

RT: 8.869 min Scan# 1152

Delta R.T. -0.006 min

Lab File: BF141923.D

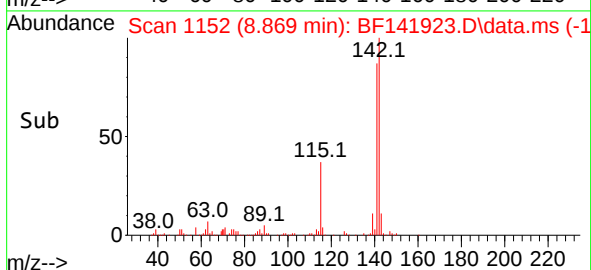
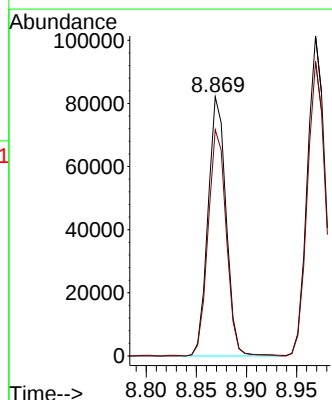
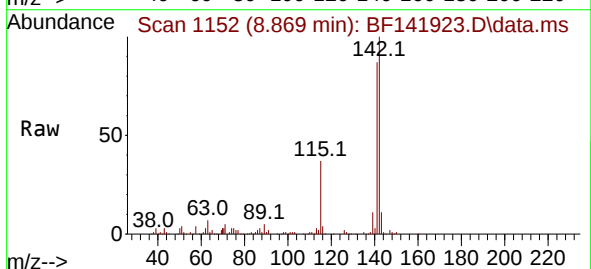
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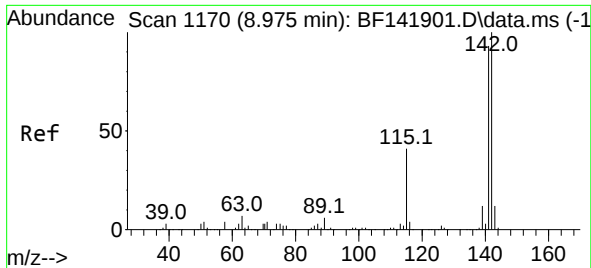
Tgt Ion:142 Resp: 103047

Ion Ratio Lower Upper

142 100

141 87.3 71.2 106.8

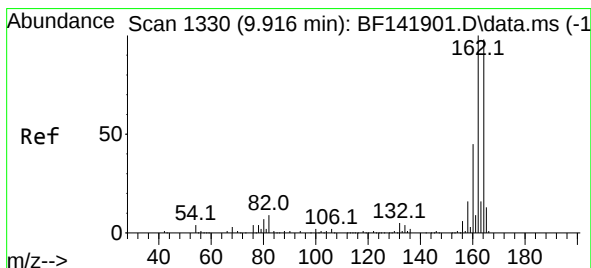
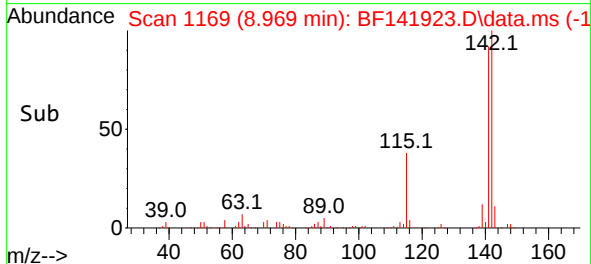
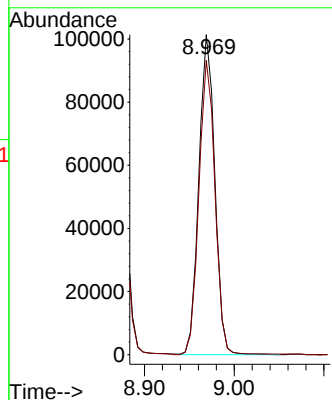
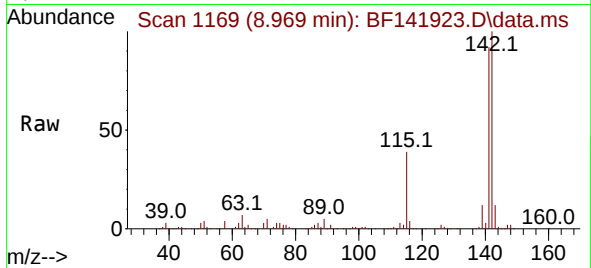




#38
1-Methylnaphthalene
Concen: 7.565 ng
RT: 8.969 min Scan# 1170
Delta R.T. -0.006 min
Lab File: BF141923.D
Acq: 11 Mar 2025 18:42

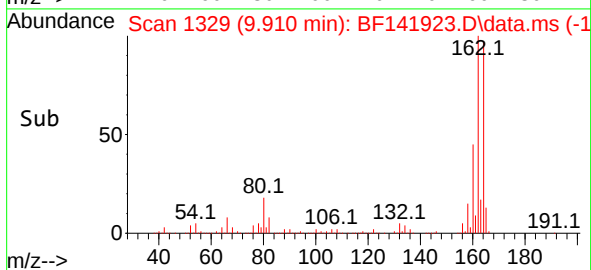
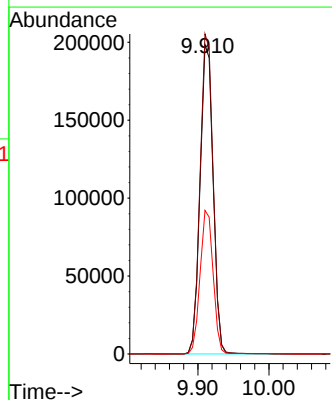
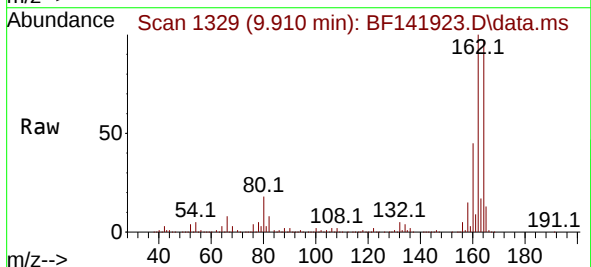
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WC-A1-01-C

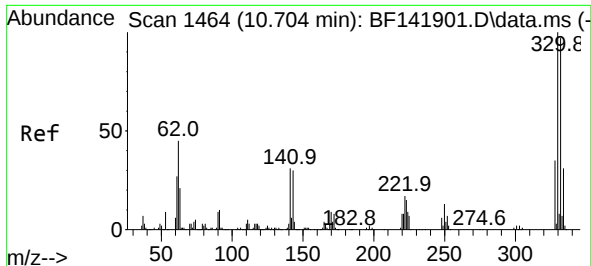
Tgt Ion:142 Resp: 125009
Ion Ratio Lower Upper
142 100
141 92.0 74.2 111.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141923.D
Acq: 11 Mar 2025 18:42

Tgt Ion:164 Resp: 254340
Ion Ratio Lower Upper
164 100
162 103.4 81.8 122.6
160 46.4 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 135.155 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF141923.D

Acq: 11 Mar 2025 18:42

Instrument :

BNA_F

ClientSampleId :

WC-A1-01-C

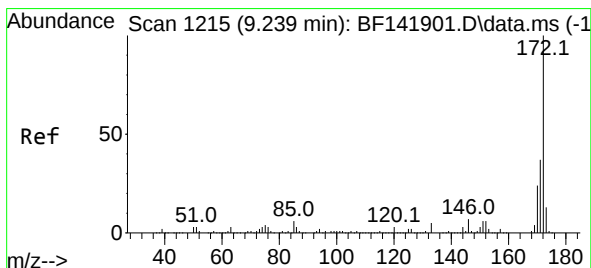
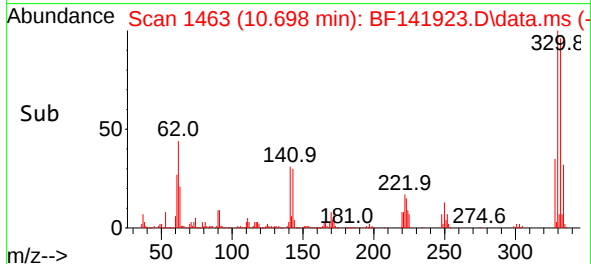
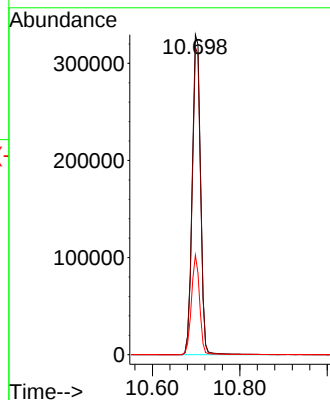
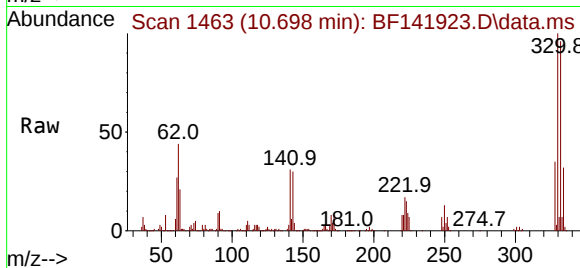
Tgt Ion:330 Resp: 436097

Ion Ratio Lower Upper

330 100

332 96.1 77.6 116.4

141 30.5 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 103.063 ng

RT: 9.234 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF141923.D

Acq: 11 Mar 2025 18:42

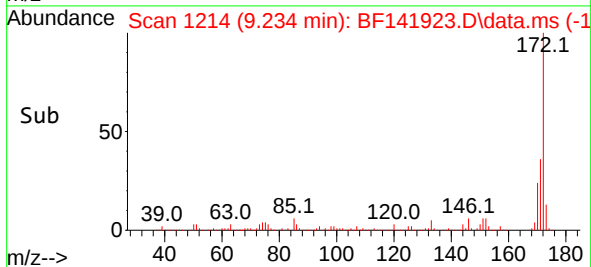
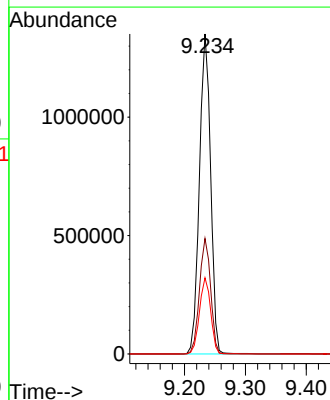
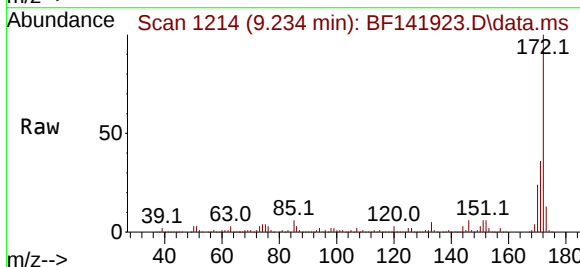
Tgt Ion:172 Resp: 1723615

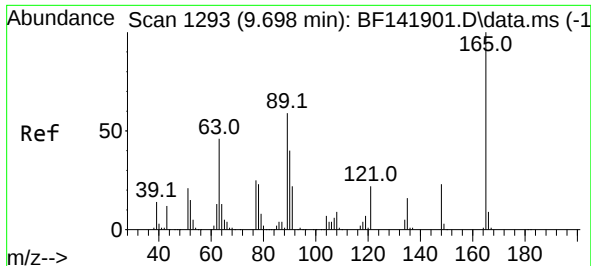
Ion Ratio Lower Upper

172 100

171 36.1 29.3 43.9

170 23.8 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 9.099 ng

RT: 9.910 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF141923.D

Acq: 11 Mar 2025 18:42

Instrument :

BNA_F

ClientSampleId :

WC-A1-01-C

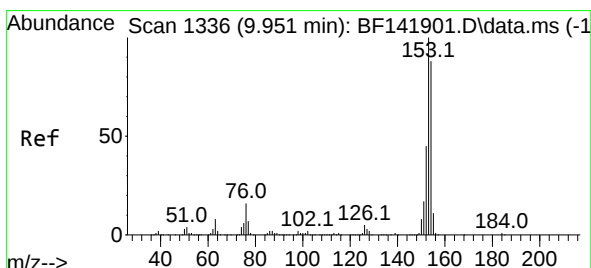
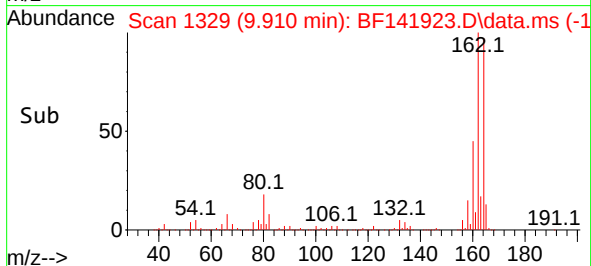
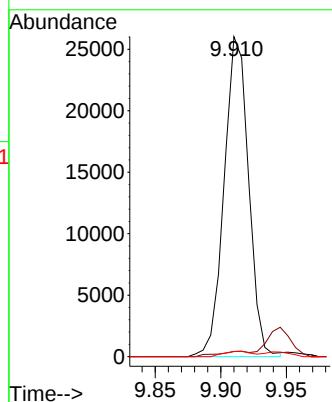
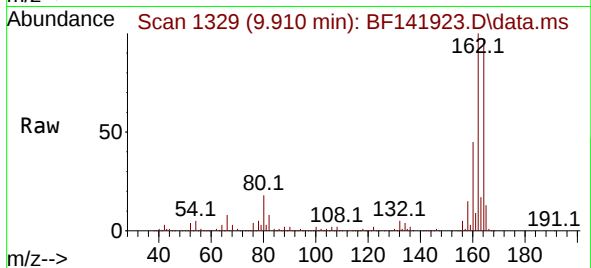
Tgt Ion:165 Resp: 33741

Ion Ratio Lower Upper

165 100

63 1.6 47.0 70.4#

89 1.7 47.4 71.2#



#52

Acenaphthene

Concen: 2.379 ng

RT: 9.945 min Scan# 1335

Delta R.T. -0.006 min

Lab File: BF141923.D

Acq: 11 Mar 2025 18:42

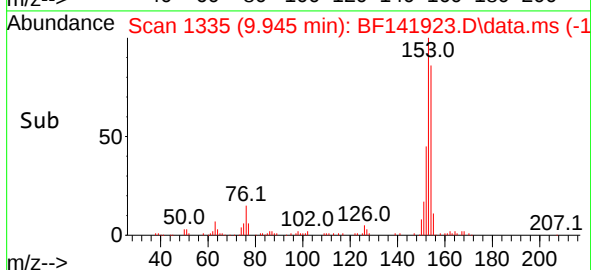
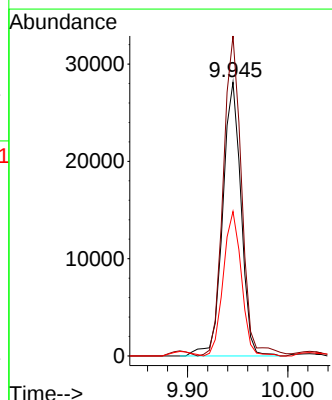
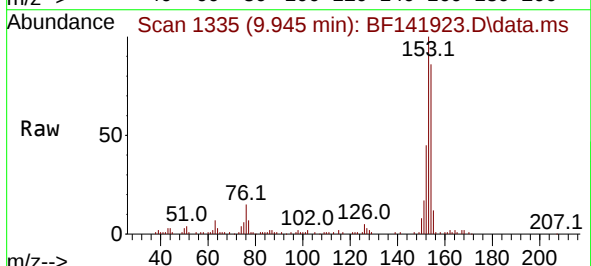
Tgt Ion:154 Resp: 35731

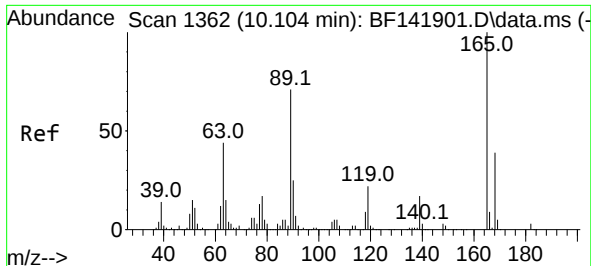
Ion Ratio Lower Upper

154 100

153 116.9 90.7 136.1

152 52.8 41.1 61.7

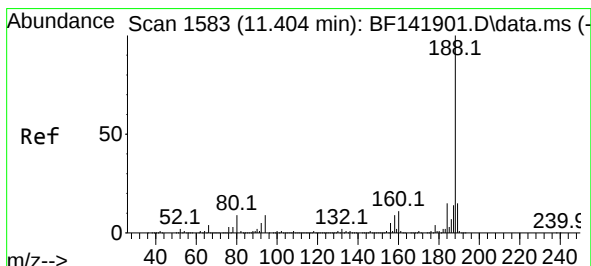
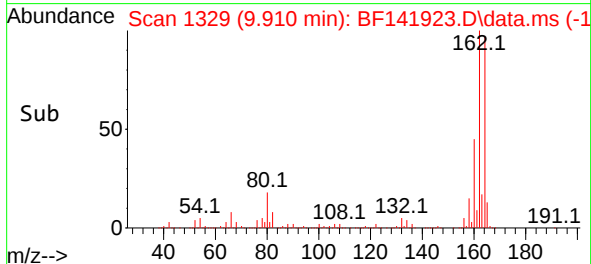
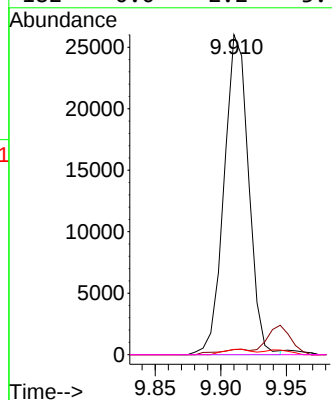
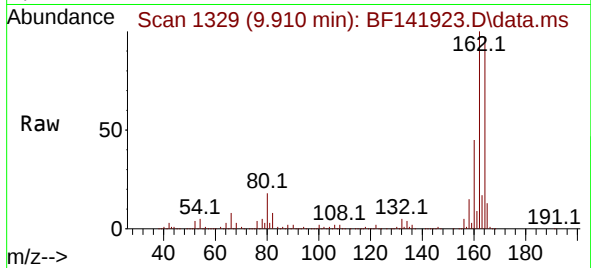




#57
2,4-Dinitrotoluene
Concen: 6.966 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF141923.D
Acq: 11 Mar 2025 18:42

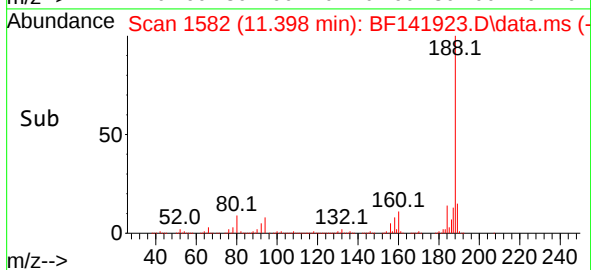
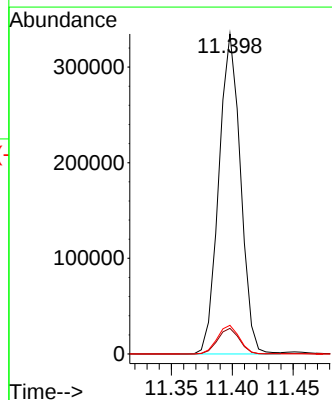
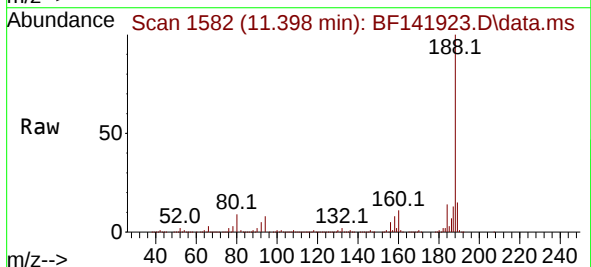
Instrument :
BNA_F
ClientSampleId :
WC-A1-01-C

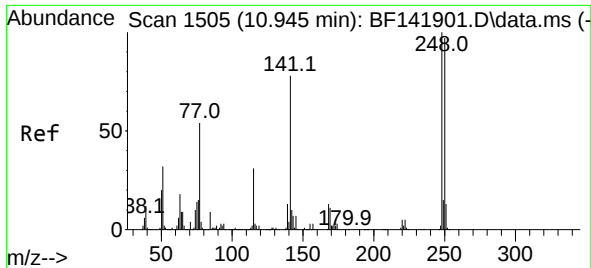
Tgt Ion:165 Resp: 33741
Ion Ratio Lower Upper
165 100
63 1.6 35.4 53.2#
89 1.7 56.6 84.8#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141923.D
Acq: 11 Mar 2025 18:42

Tgt Ion:188 Resp: 415187
Ion Ratio Lower Upper
188 100
94 8.0 6.8 10.2
80 8.9 7.6 11.4

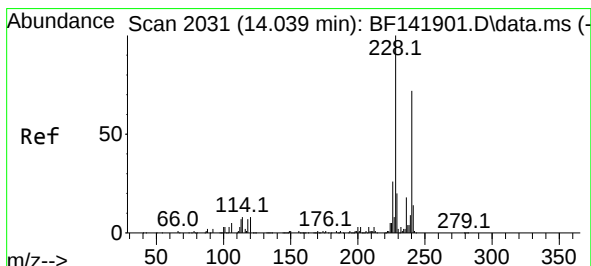
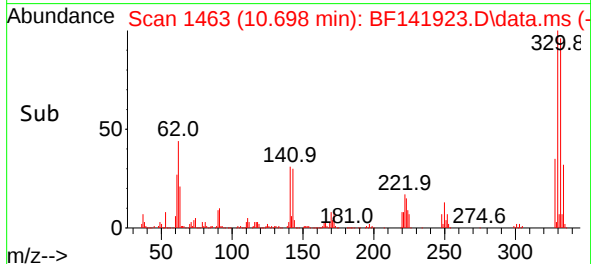
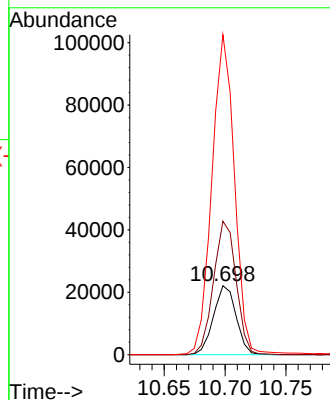
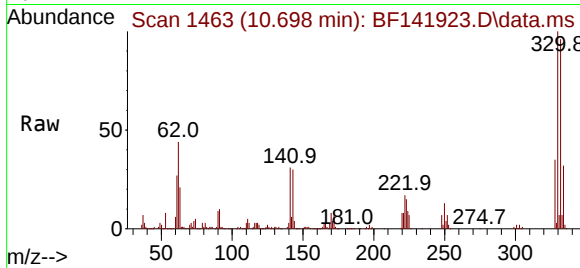




#67
4-Bromophenyl-phenylether
Concen: 5.485 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF141923.D
Acq: 11 Mar 2025 18:42

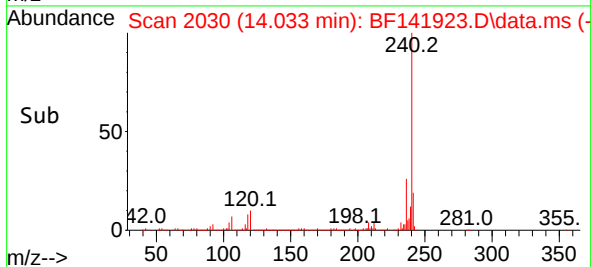
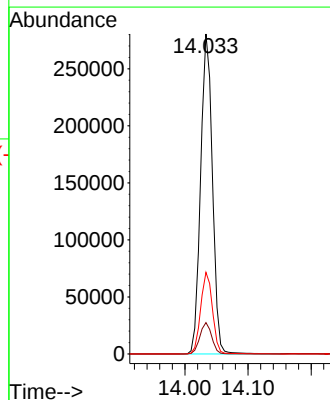
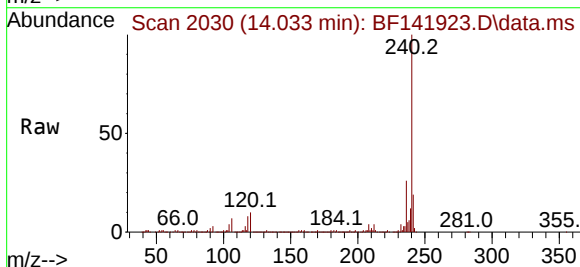
Instrument :
BNA_F
ClientSampleId :
WC-A1-01-C

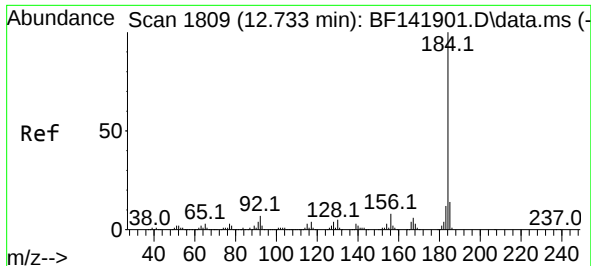
Tgt Ion:248 Resp: 28602
Ion Ratio Lower Upper
248 100
250 193.4 77.8 116.8#
141 463.6 62.6 93.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF141923.D
Acq: 11 Mar 2025 18:42

Tgt Ion:240 Resp: 364222
Ion Ratio Lower Upper
240 100
120 9.8 8.4 12.6
236 25.5 20.5 30.7

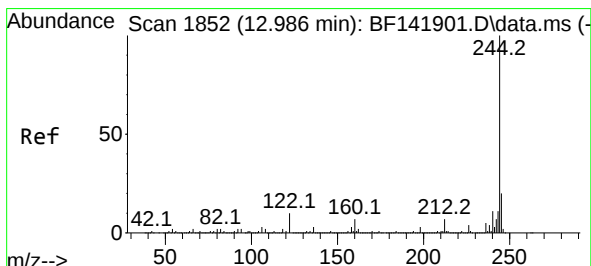
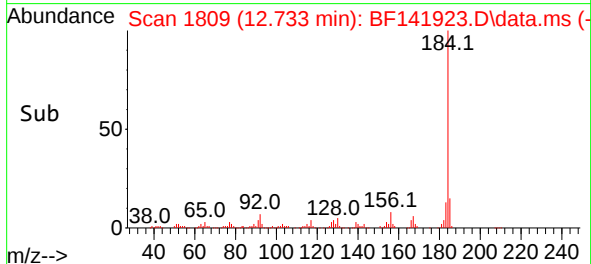
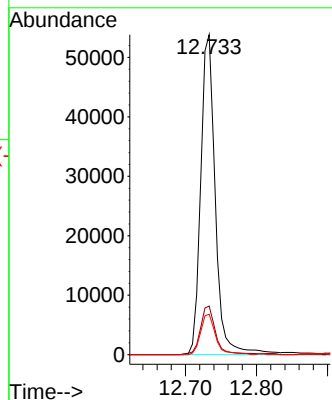
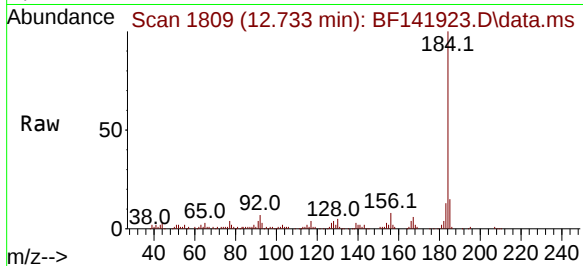




#77
Benzidine
Concen: 15.199 ng
RT: 12.733 min Scan# 1809
Delta R.T. 0.000 min
Lab File: BF141923.D
Acq: 11 Mar 2025 18:42

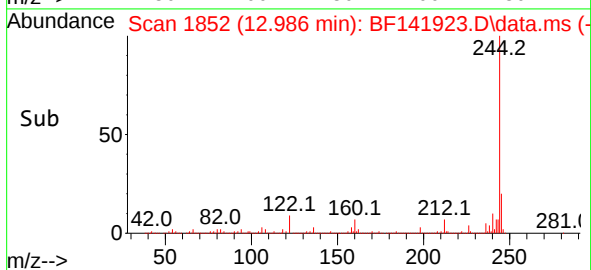
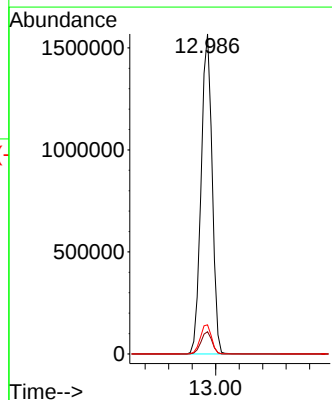
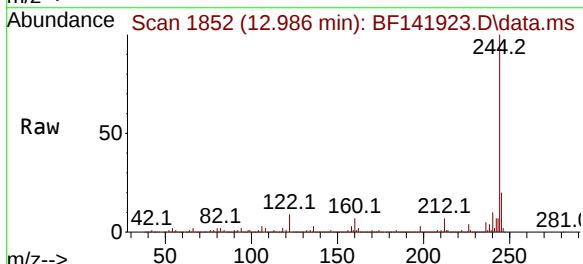
Instrument :
BNA_F
ClientSampleId :
WC-A1-01-C

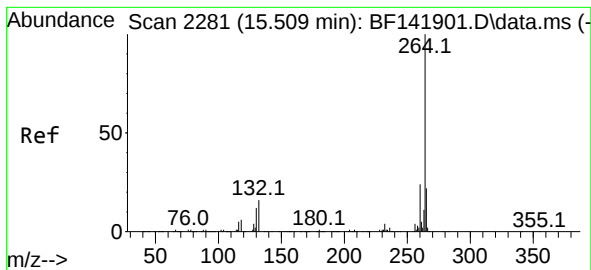
Tgt Ion:184 Resp: 77233
Ion Ratio Lower Upper
184 100
185 15.2 11.5 17.3
183 12.7 9.7 14.5



#79
Terphenyl-d14
Concen: 82.437 ng
RT: 12.986 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BF141923.D
Acq: 11 Mar 2025 18:42

Tgt Ion:244 Resp: 2030864
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 9.1 7.7 11.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.504 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF141923.D
 Acq: 11 Mar 2025 18:42

Instrument :
 BNA_F
 ClientSampleId :
 WC-A1-01-C

Tgt Ion:264 Resp: 275509
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.1 28.7
 265 20.8 17.5 26.3

