

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
 Data File : BF142194.D
 Acq On : 31 Mar 2025 21:55
 Operator : RC/JU
 Sample : Q1671-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Apr 01 00:49:20 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)

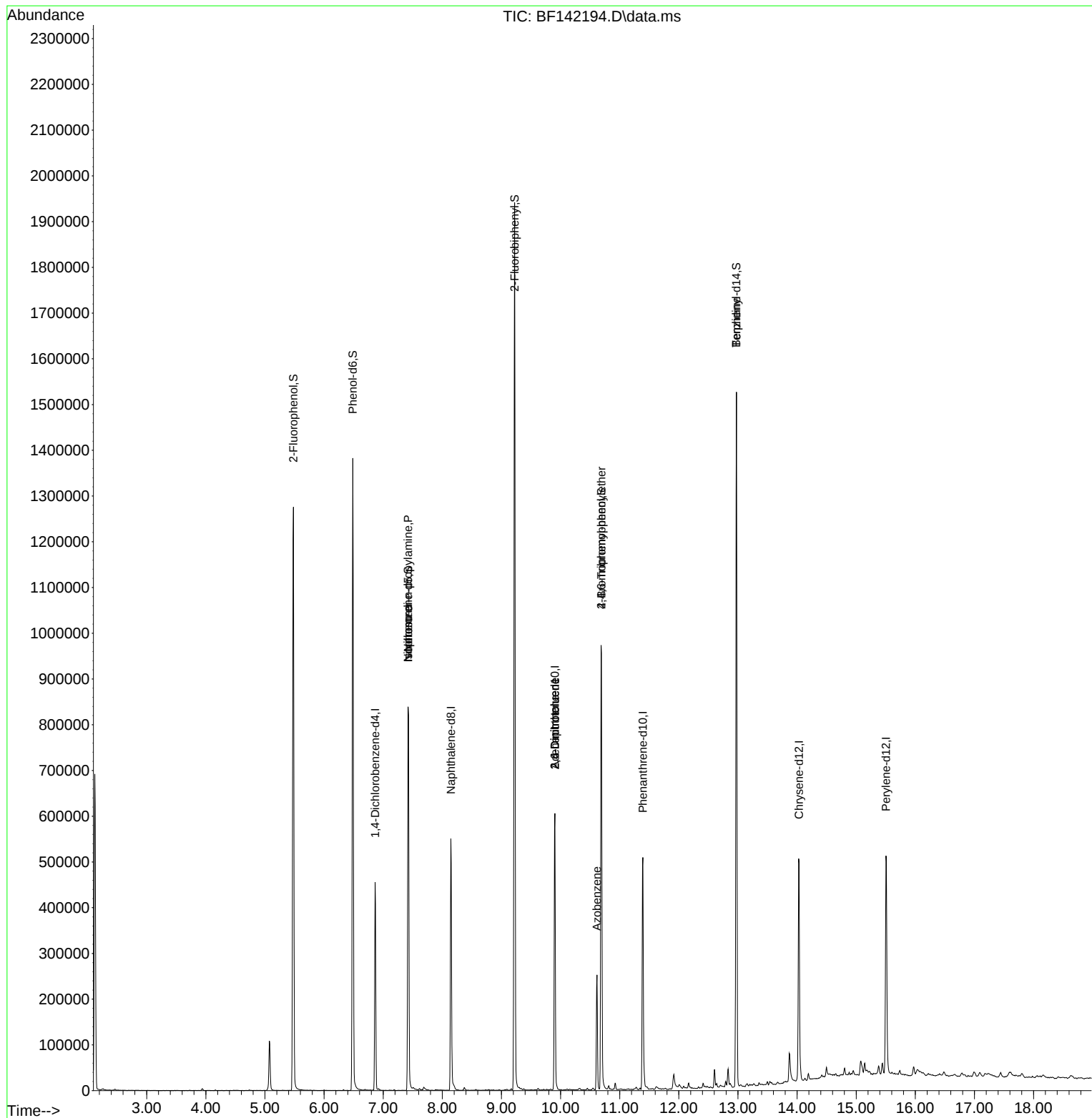
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	99301	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	377149	20.000	ng	-0.02
39) Acenaphthene-d10	9.904	164	189878	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	284754	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	246075	20.000	ng	# 0.00
86) Perylene-d12	15.504	264	295023	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	505066	84.887	ng	-0.01
7) Phenol-d6	6.487	99	658222	86.888	ng	-0.02
23) Nitrobenzene-d5	7.422	82	399134	59.556	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	193201	80.205	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	853373	68.350	ng	-0.02
79) Terphenyl-d14	12.974	244	741560	44.554	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	52528	10.791	ng	# 78
25) Isophorone	7.422	82	395609	33.395	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	24344	8.793	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	24345	6.733	ng	# 24
63) Azobenzene	10.616	77	64964	5.270	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	11695	3.270	ng	# 1
77) Benzidine	12.974	184	10011	2.916	ng	97

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

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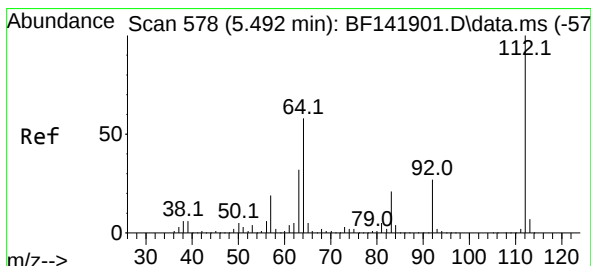
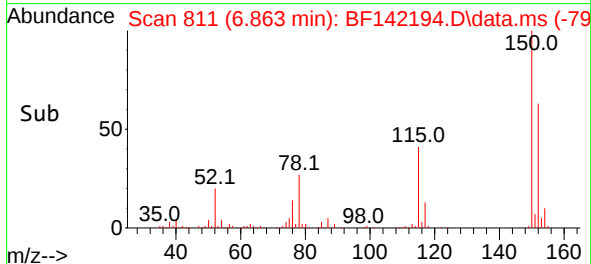
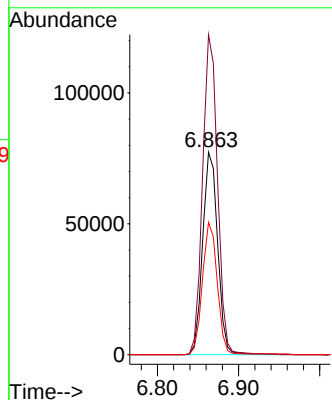
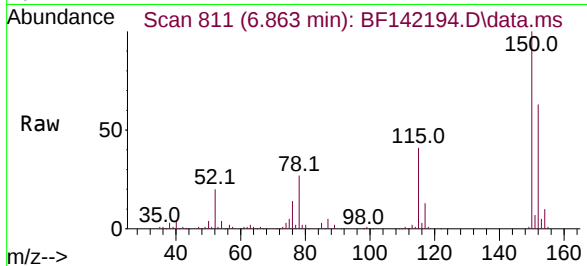




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 814
Delta R.T. -0.018 min
Lab File: BF142194.D
Acq: 31 Mar 2025 21:55

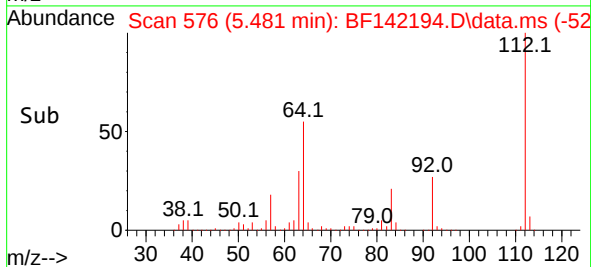
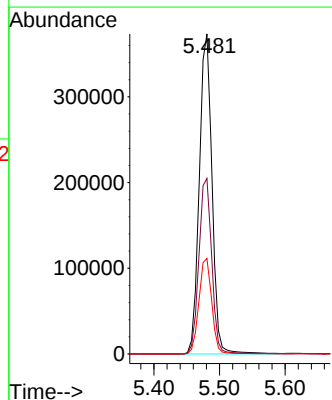
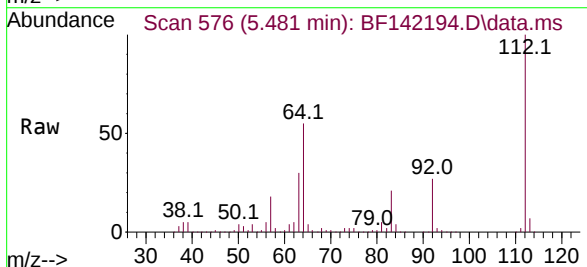
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:152 Resp: 99301
Ion Ratio Lower Upper
152 100
150 158.0 127.4 191.2
115 65.4 51.9 77.9



#5
2-Fluorophenol
Concen: 84.887 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF142194.D
Acq: 31 Mar 2025 21:55

Tgt Ion:112 Resp: 505066
Ion Ratio Lower Upper
112 100
64 54.8 46.5 69.7
63 29.9 25.4 38.2

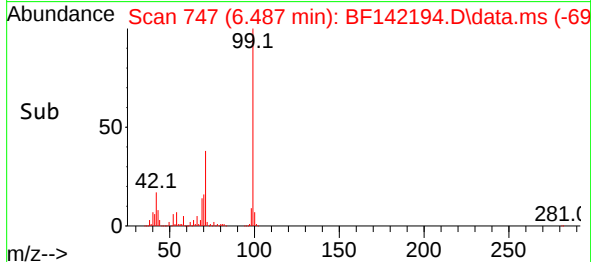
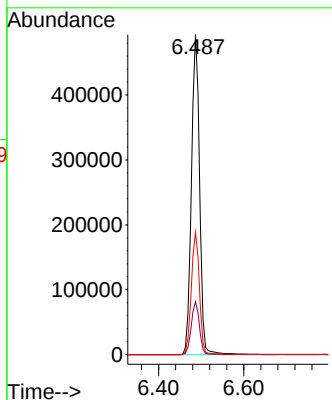
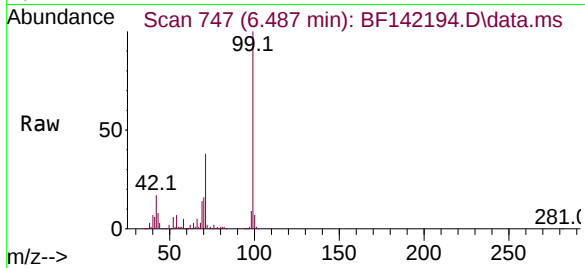




#7
Phenol-d6
Concen: 86.888 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF142194.D
Acq: 31 Mar 2025 21:55

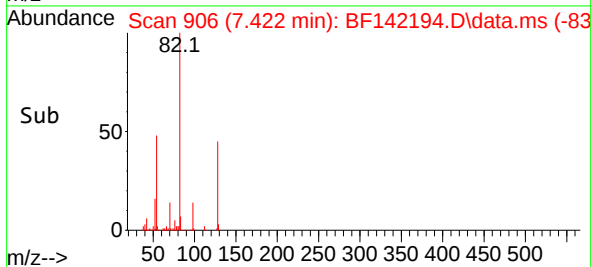
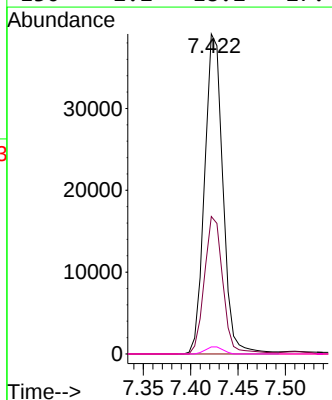
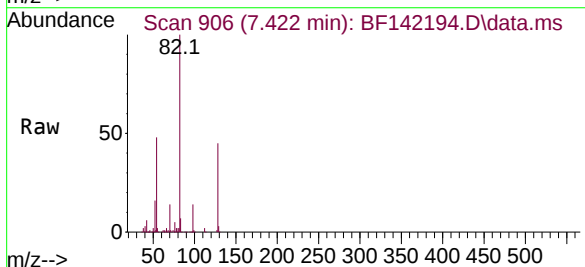
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion: 99 Resp: 658222
Ion Ratio Lower Upper
99 100
42 16.5 14.6 21.8
71 38.3 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.791 ng
RT: 7.422 min Scan# 906
Delta R.T. 0.124 min
Lab File: BF142194.D
Acq: 31 Mar 2025 21:55

Tgt Ion: 70 Resp: 52528
Ion Ratio Lower Upper
70 100
42 42.9 41.4 62.0
101 0.0 8.2 12.2#
130 2.2 18.2 27.4#

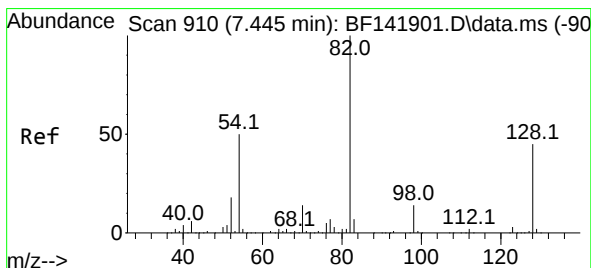
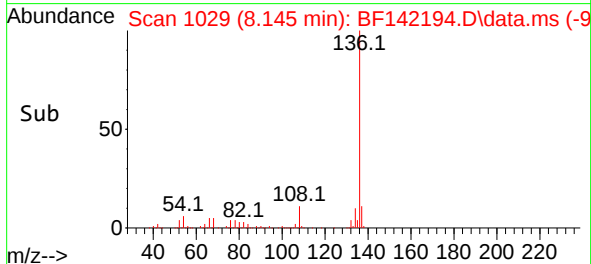
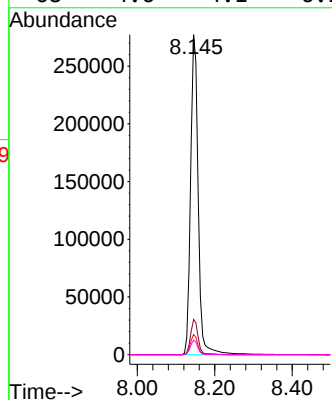
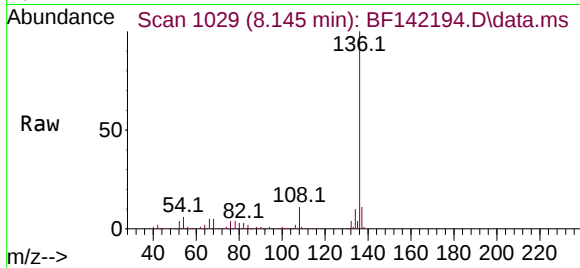




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1032
Delta R.T. -0.018 min
Lab File: BF142194.D
Acq: 31 Mar 2025 21:55

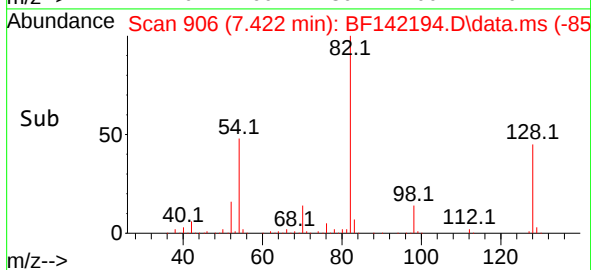
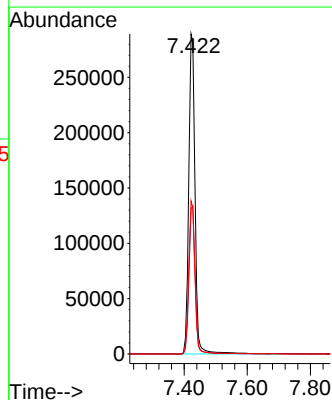
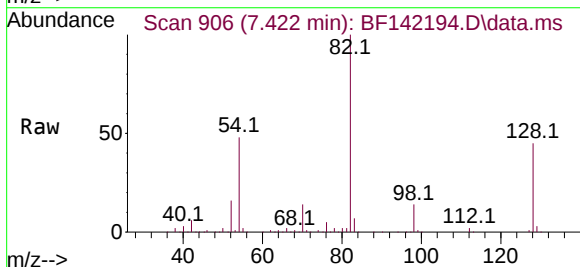
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion	136	Resp: 377149	
	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.3	5.8	8.8
68	4.6	4.1	6.1



#23
Nitrobenzene-d5
Concen: 59.556 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.024 min
Lab File: BF142194.D
Acq: 31 Mar 2025 21:55

Tgt Ion: 82	Resp: 399134
Ion Ratio	Lower Upper
82 100	
128 45.4	36.0 54.0
54 47.9	39.6 59.4

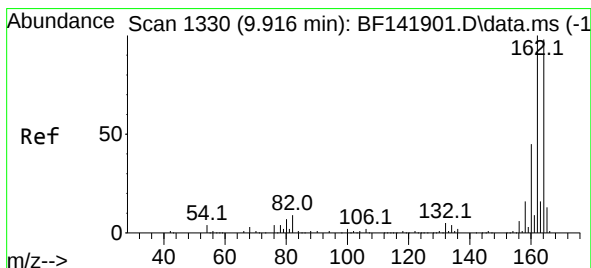
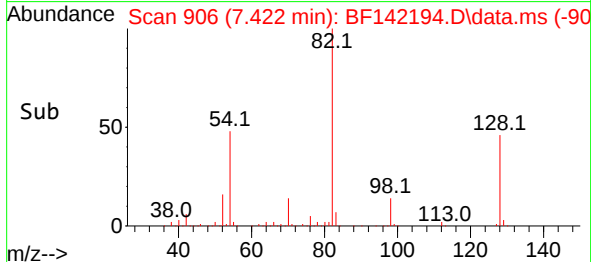
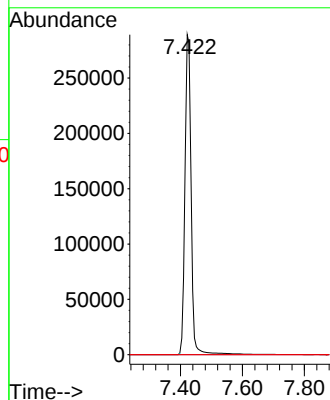
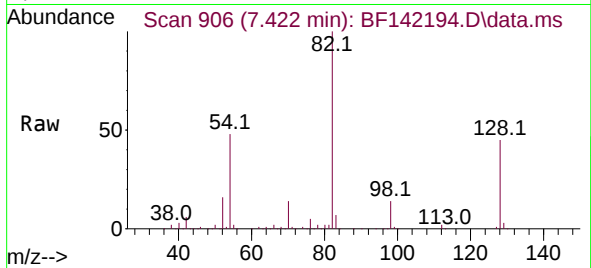




#25
Isophorone
Concen: 33.395 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.282 min
Lab File: BF142194.D
Acq: 31 Mar 2025 21:55

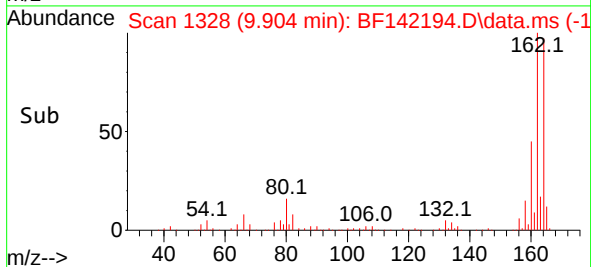
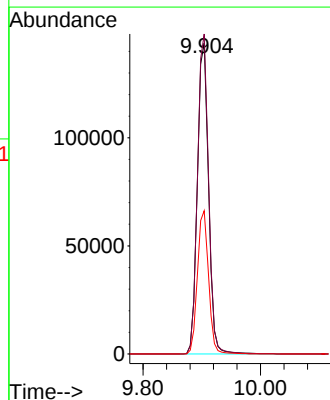
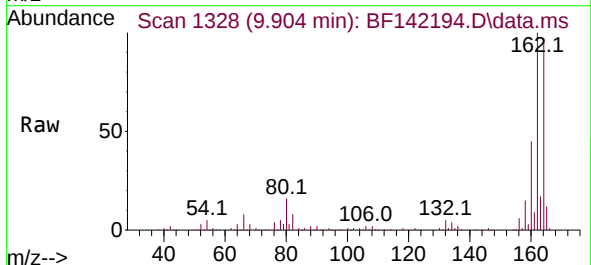
Instrument :
BNA_F
ClientSampleId :
WC-1

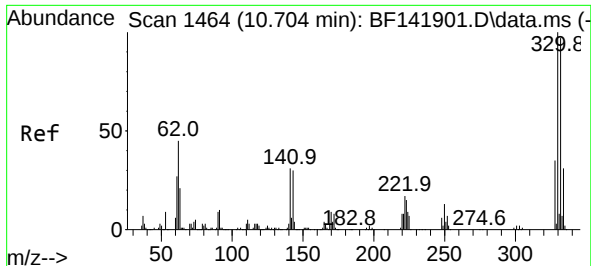
Tgt Ion: 82 Resp: 395609
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142194.D
Acq: 31 Mar 2025 21:55

Tgt Ion:164 Resp: 189878
Ion Ratio Lower Upper
164 100
162 102.9 81.8 122.6
160 46.0 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 80.205 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF142194.D

Acq: 31 Mar 2025 21:55

Instrument :

BNA_F

ClientSampleId :

WC-1

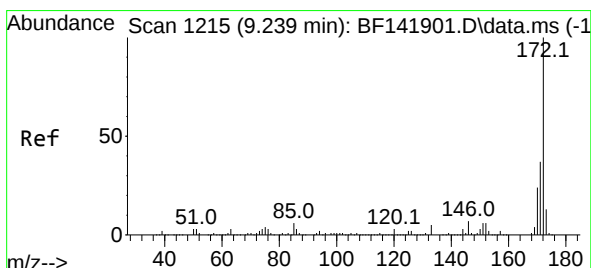
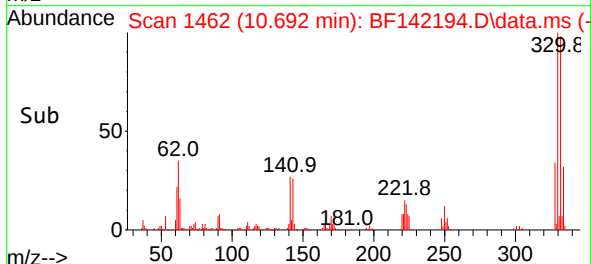
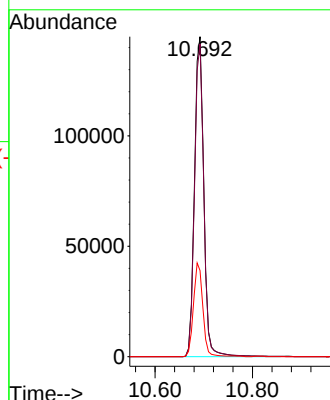
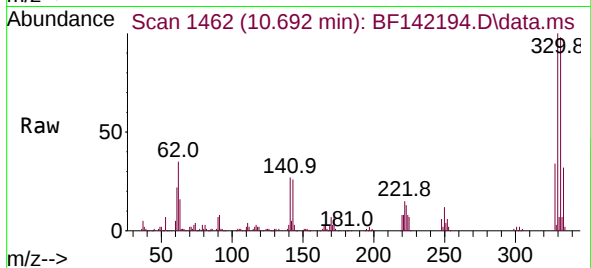
Tgt Ion:330 Resp: 193201

Ion Ratio Lower Upper

330 100

332 97.0 77.6 116.4

141 29.4 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 68.350 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.018 min

Lab File: BF142194.D

Acq: 31 Mar 2025 21:55

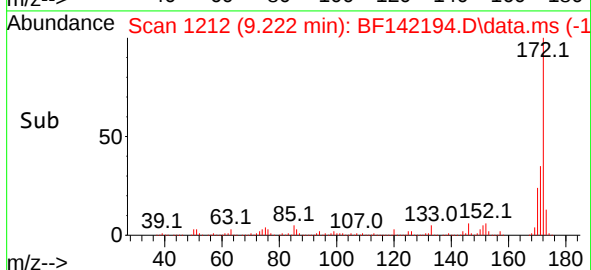
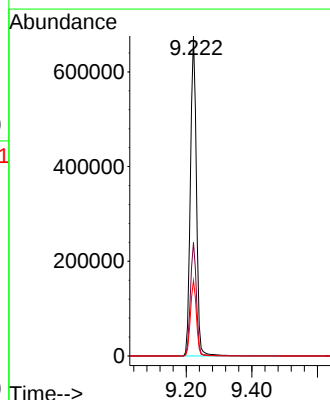
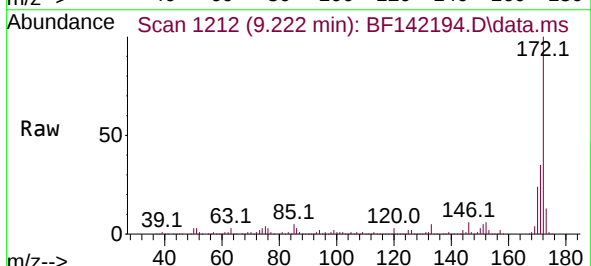
Tgt Ion:172 Resp: 853373

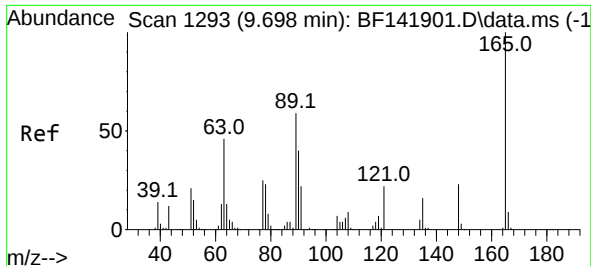
Ion Ratio Lower Upper

172 100

171 35.5 29.3 43.9

170 23.6 19.4 29.0

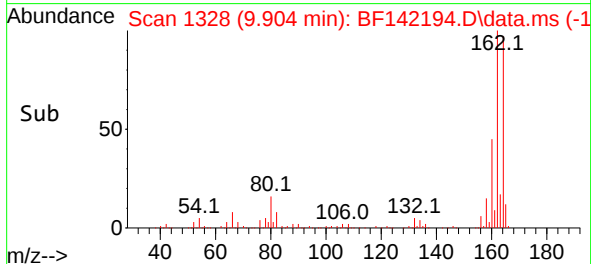
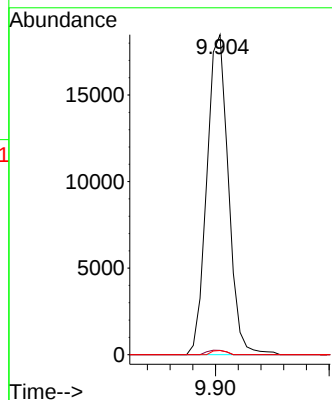
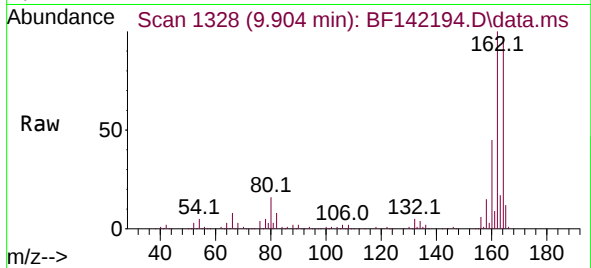




#51
2,6-Dinitrotoluene
Concen: 8.793 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142194.D
Acq: 31 Mar 2025 21:55

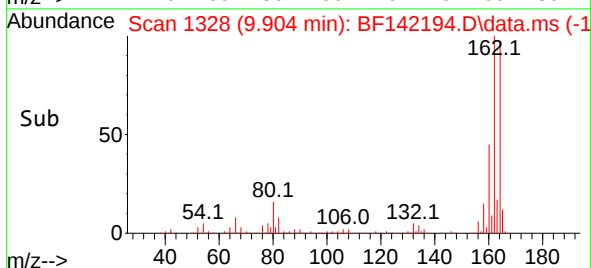
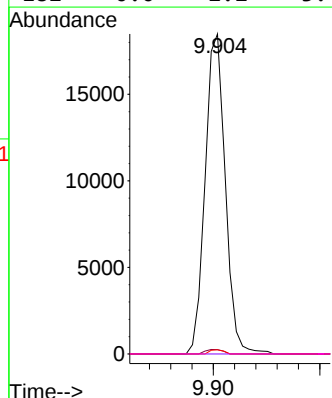
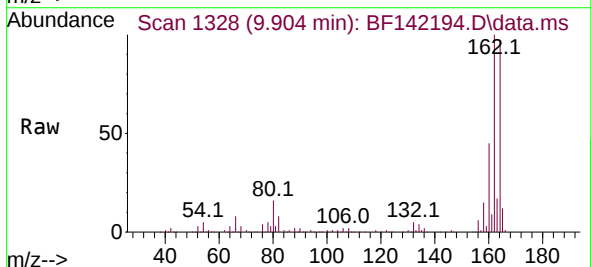
Instrument :
BNA_F
ClientSampleId :
WC-1

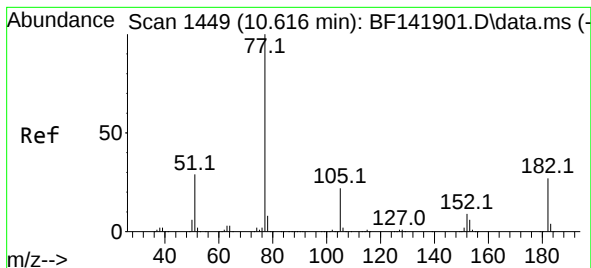
Tgt Ion:165 Resp: 24344
Ion Ratio Lower Upper
165 100
63 1.3 47.0 70.4#
89 1.3 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.733 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142194.D
Acq: 31 Mar 2025 21:55

Tgt Ion:165 Resp: 24345
Ion Ratio Lower Upper
165 100
63 1.3 35.4 53.2#
89 1.3 56.6 84.8#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 5.270 ng

RT: 10.616 min Scan# 1449

Delta R.T. 0.000 min

Lab File: BF142194.D

Acq: 31 Mar 2025 21:55

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion: 77 Resp: 64964

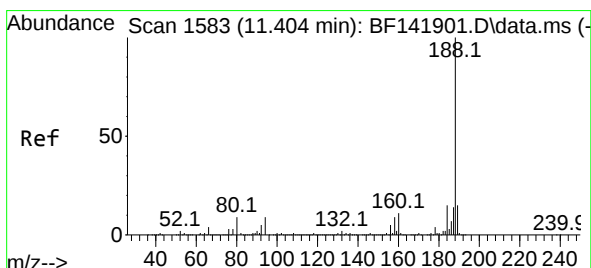
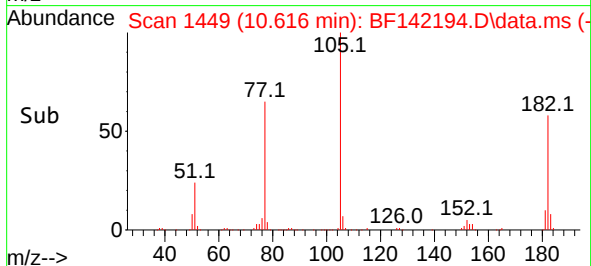
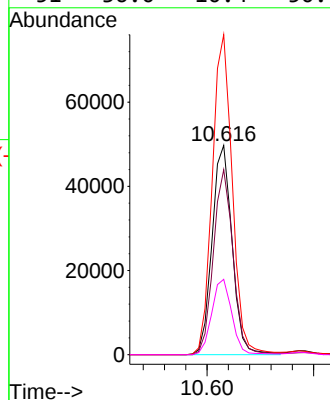
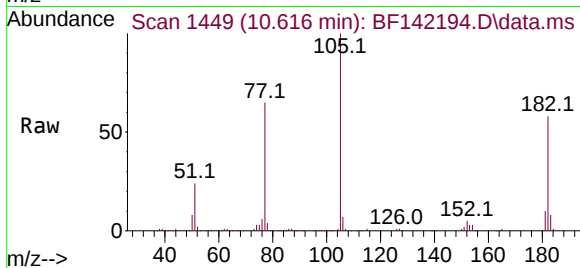
Ion Ratio Lower Upper

77 100

182 88.4 6.6 46.6#

105 152.9 1.3 41.3#

51 36.0 10.4 50.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF142194.D

Acq: 31 Mar 2025 21:55

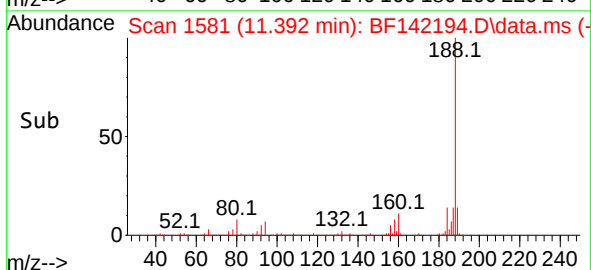
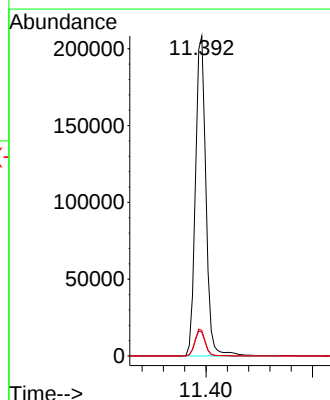
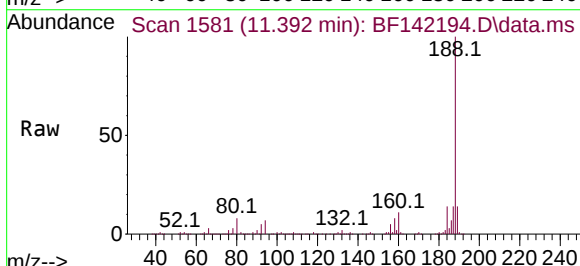
Tgt Ion: 188 Resp: 284754

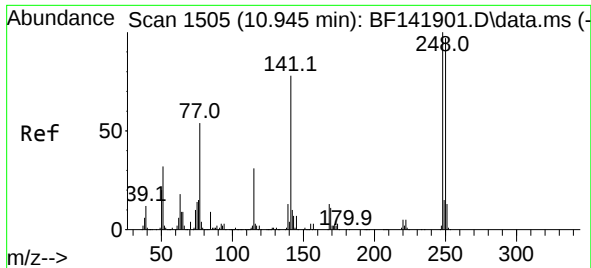
Ion Ratio Lower Upper

188 100

94 7.5 6.8 10.2

80 8.0 7.6 11.4

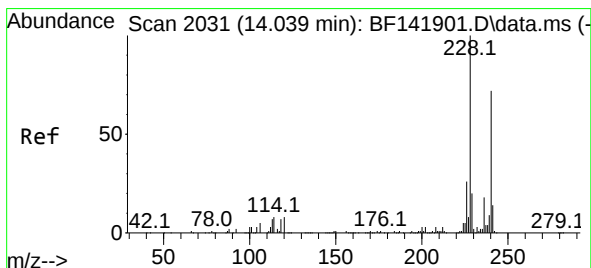
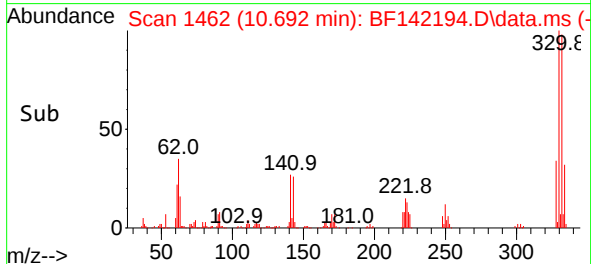
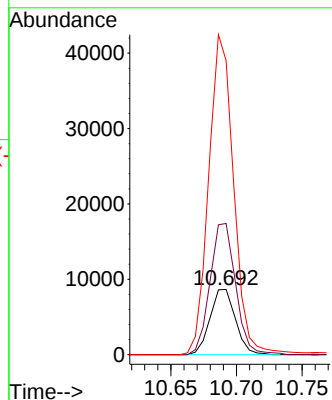
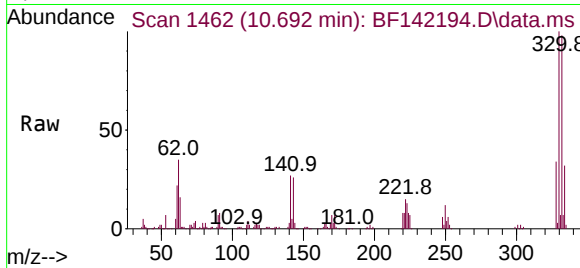




#67
4-Bromophenyl-phenylether
Concen: 3.270 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142194.D
Acq: 31 Mar 2025 21:55

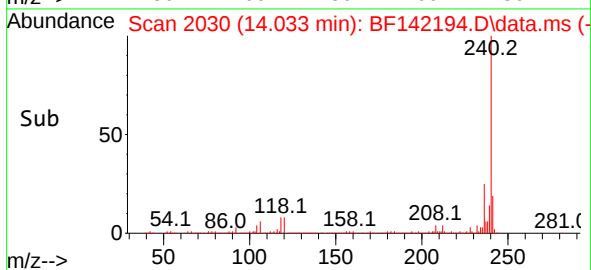
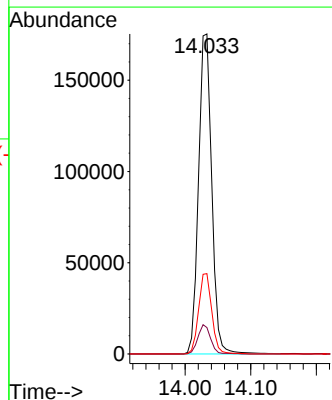
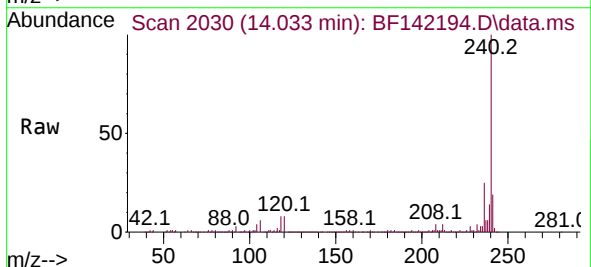
Instrument :
BNA_F
ClientSampleId :
WC-1

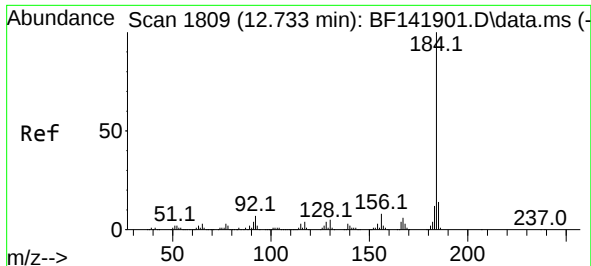
Tgt Ion:248 Resp: 11695
Ion Ratio Lower Upper
248 100
250 200.9 77.8 116.8#
141 450.6 62.6 93.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142194.D
Acq: 31 Mar 2025 21:55

Tgt Ion:240 Resp: 246075
Ion Ratio Lower Upper
240 100
120 8.3 8.4 12.6#
236 25.1 20.5 30.7

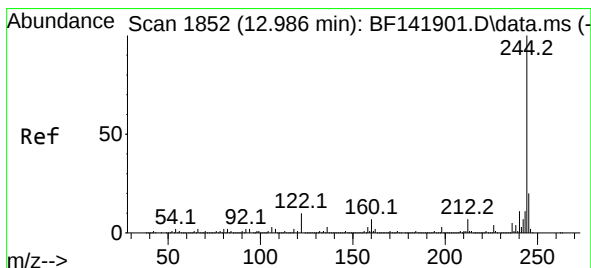
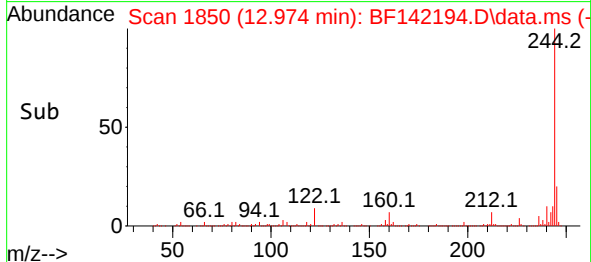
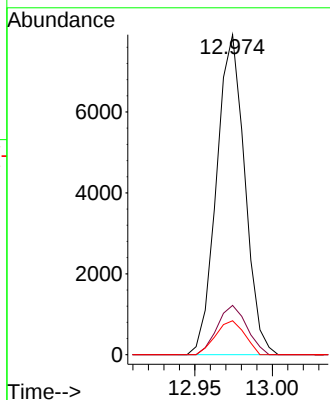
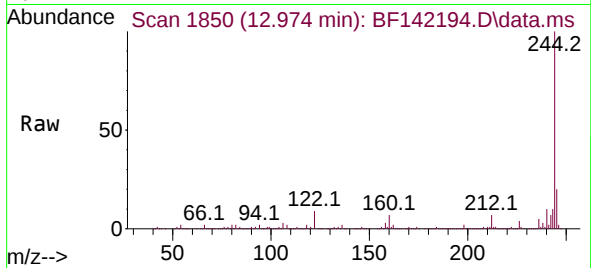




#77
Benzidine
Concen: 2.916 ng
RT: 12.974 min Scan# 1850
Delta R.T. 0.241 min
Lab File: BF142194.D
Acq: 31 Mar 2025 21:55

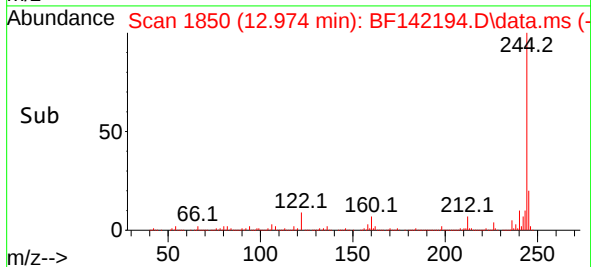
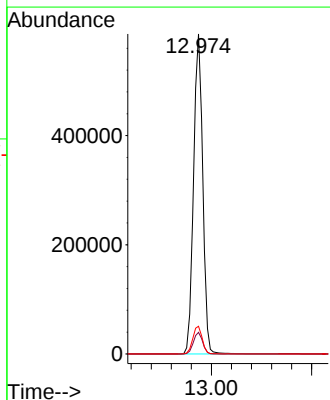
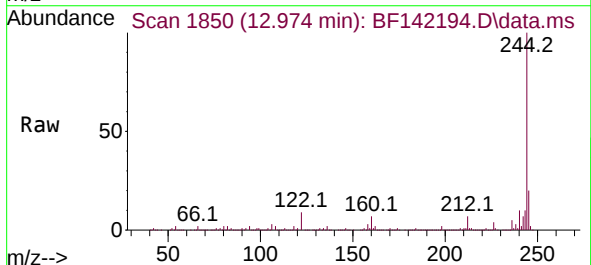
Instrument :
BNA_F
ClientSampleId :
WC-1

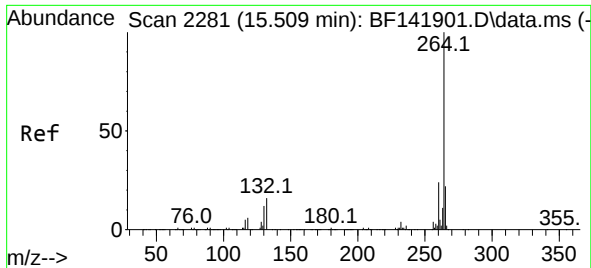
Tgt Ion:184 Resp: 10011
Ion Ratio Lower Upper
184 100
185 15.4 11.5 17.3
183 10.6 9.7 14.5



#79
Terphenyl-d14
Concen: 44.554 ng
RT: 12.974 min Scan# 1850
Delta R.T. -0.012 min
Lab File: BF142194.D
Acq: 31 Mar 2025 21:55

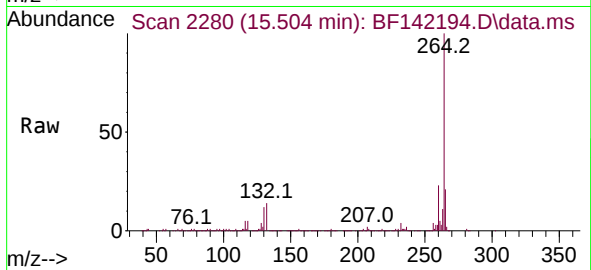
Tgt Ion:244 Resp: 741560
Ion Ratio Lower Upper
244 100
212 6.7 6.0 9.0
122 8.6 7.7 11.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.504 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF142194.D
 Acq: 31 Mar 2025 21:55

Instrument :
 BNA_F
 ClientSampleId :
 WC-1



Tgt Ion:264 Resp: 295023
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.1 28.7
 265 21.3 17.5 26.3

