

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021225\
 Data File : BF141591.D
 Acq On : 12 Feb 2025 15:42
 Operator : RC/JU
 Sample : Q1343-12
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-7

Quant Time: Feb 12 16:05:47 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

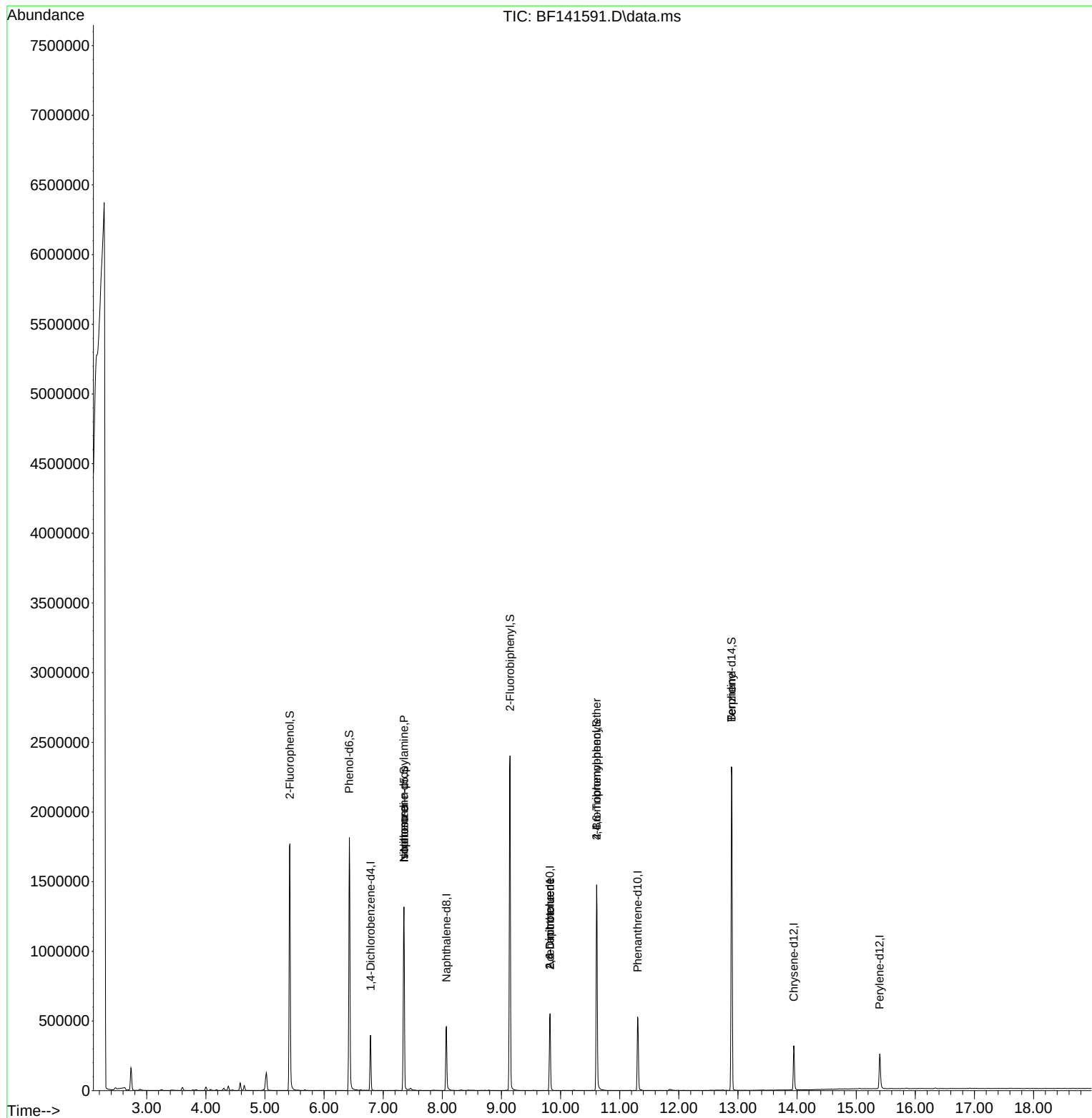
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	80531	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	320411	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	173184	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	296109	20.000	ng	-0.01
76) Chrysene-d12	13.945	240	168327	20.000	ng	-0.02
86) Perylene-d12	15.398	264	161226	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	683142	132.991	ng	0.01
7) Phenol-d6	6.428	99	844871	130.132	ng	-0.01
23) Nitrobenzene-d5	7.351	82	602946	98.151	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	251891	144.789	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	1110511	98.791	ng	0.00
79) Terphenyl-d14	12.892	244	1196107	119.959	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	81453	20.974	ng	# 74
25) Isophorone	7.351	82	588419	60.074	ng	# 66
51) 2,6-Dinitrotoluene	9.822	165	22948	8.929	ng	# 21
57) 2,4-Dinitrotoluene	9.822	165	22948	6.707	ng	# 18
67) 4-Bromophenyl-phenylether	10.610	248	16700	5.046	ng	# 1
77) Benzidine	12.892	184	15795	4.255	ng	# 91

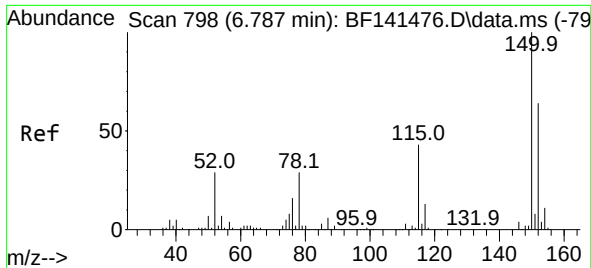
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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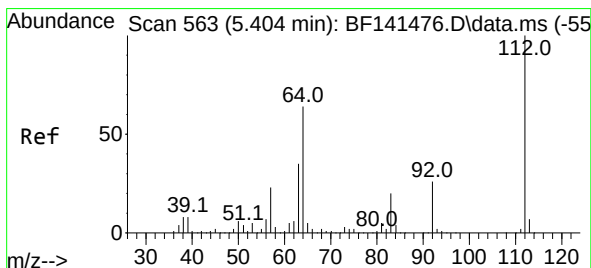
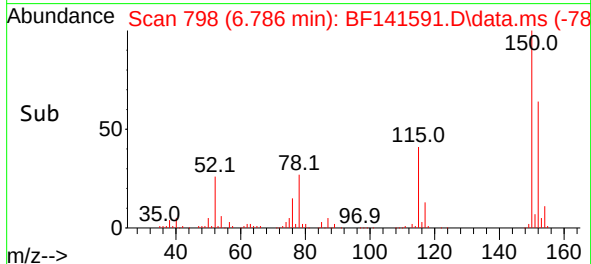
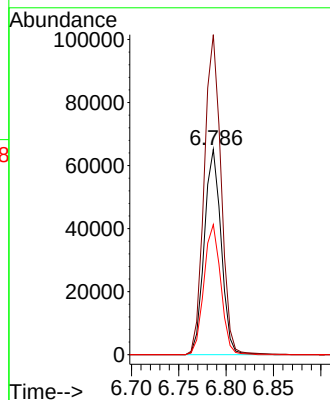
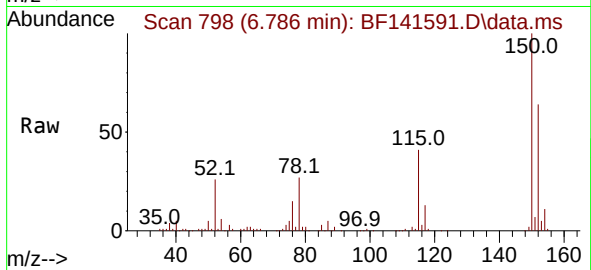




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.786 min Scan# 798
Delta R.T. -0.006 min
Lab File: BF141591.D
Acq: 12 Feb 2025 15:42

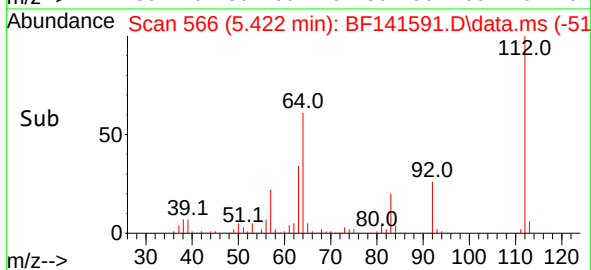
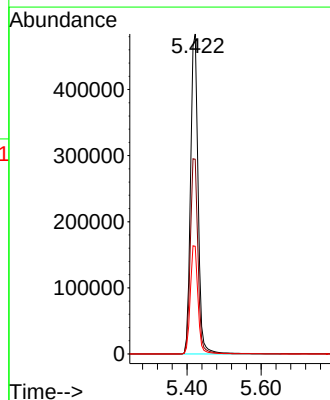
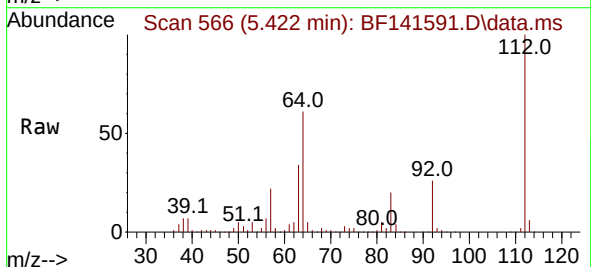
Instrument :
BNA_F
ClientSampleId :
WC-7

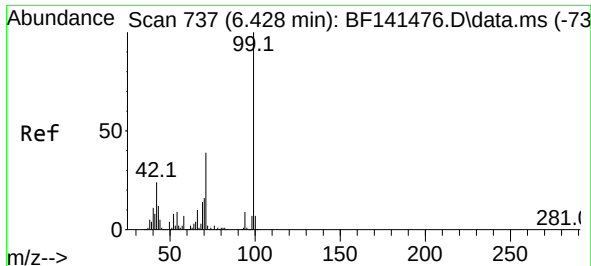
Tgt Ion:152 Resp: 80531
Ion Ratio Lower Upper
152 100
150 155.9 125.0 187.4
115 63.3 53.6 80.4



#5
2-Fluorophenol
Concen: 132.991 ng
RT: 5.422 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF141591.D
Acq: 12 Feb 2025 15:42

Tgt Ion:112 Resp: 683142
Ion Ratio Lower Upper
112 100
64 60.8 51.1 76.7
63 33.7 28.4 42.6





#7
Phenol-d6
Concen: 130.132 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141591.D
Acq: 12 Feb 2025 15:42

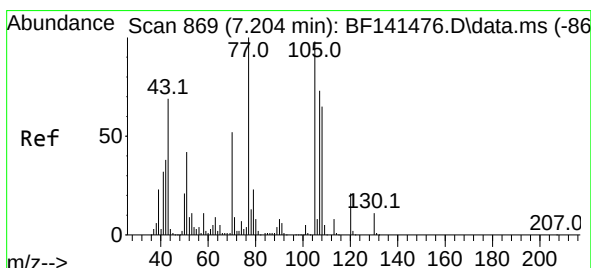
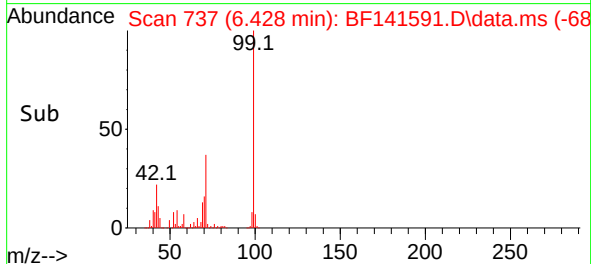
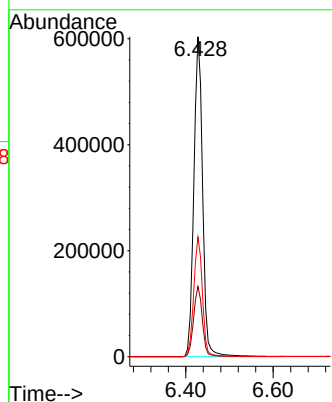
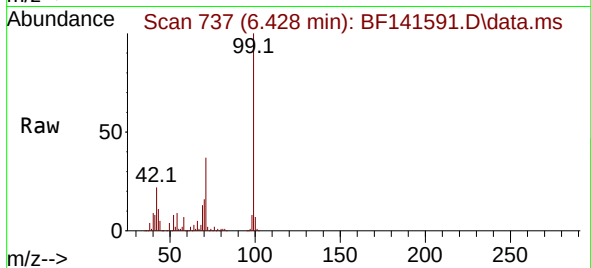
Instrument :

BNA_F

ClientSampleId :

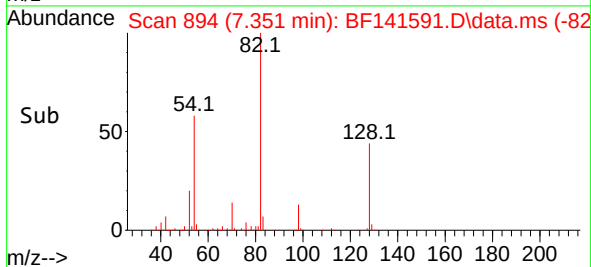
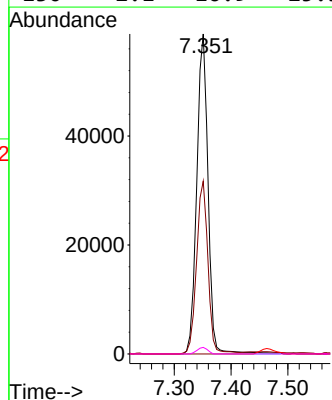
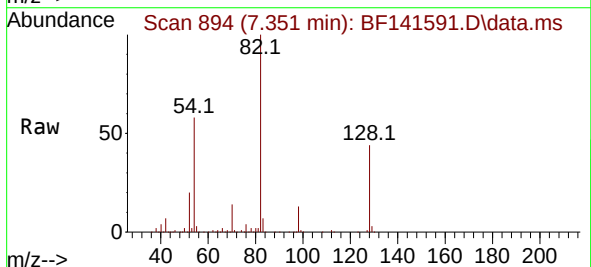
WC-7

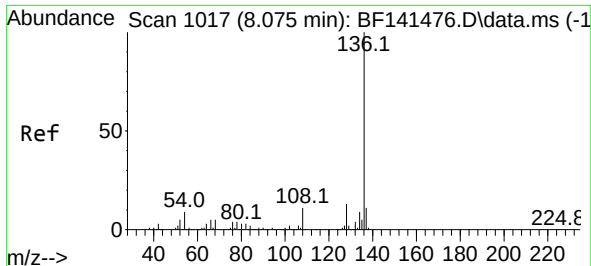
Tgt Ion: 99 Resp: 844871
Ion Ratio Lower Upper
99 100
42 21.9 19.1 28.7
71 37.4 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 20.974 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF141591.D
Acq: 12 Feb 2025 15:42

Tgt Ion: 70 Resp: 81453
Ion Ratio Lower Upper
70 100
42 54.0 57.4 86.2#
101 0.0 8.0 12.0#
130 2.1 16.9 25.3#



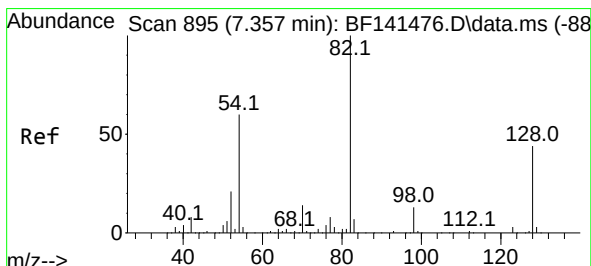
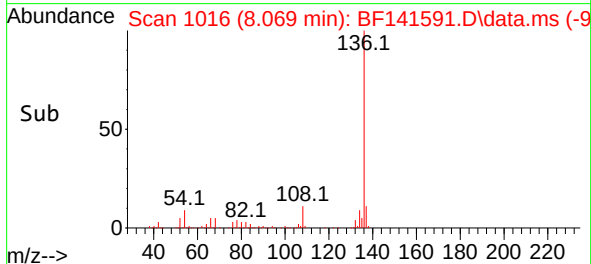
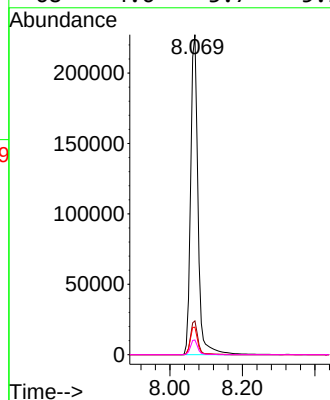
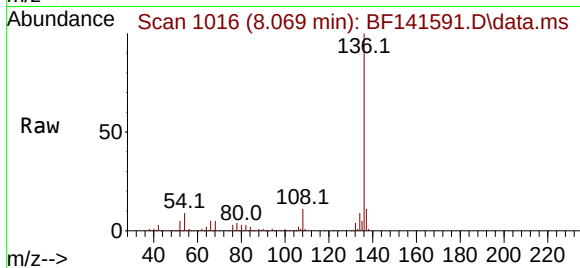


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141591.D
Acq: 12 Feb 2025 15:42

Instrument :
BNA_F
ClientSampleId :
WC-7

Tgt Ion:136 Resp: 320411

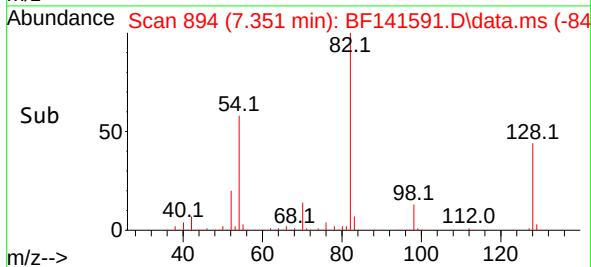
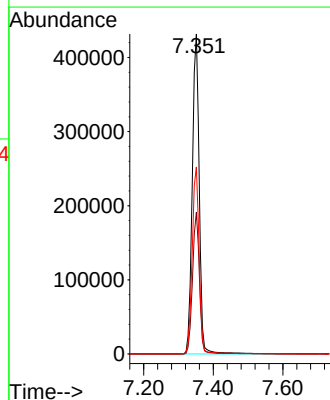
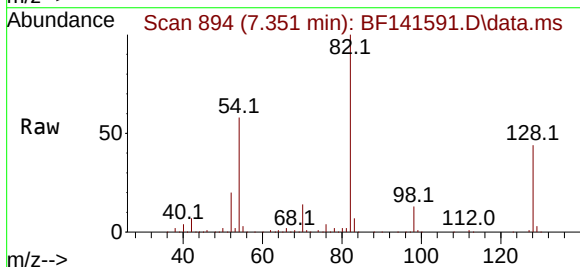
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	8.6	7.2	10.8
68	4.6	3.7	5.5

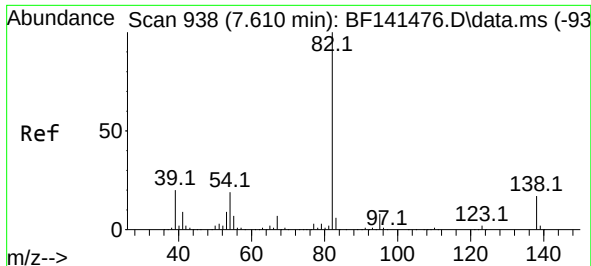


#23
Nitrobenzene-d5
Concen: 98.151 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF141591.D
Acq: 12 Feb 2025 15:42

Tgt Ion: 82 Resp: 602946

Ion	Ratio	Lower	Upper
82	100		
128	44.3	34.8	52.2
54	58.4	48.2	72.4

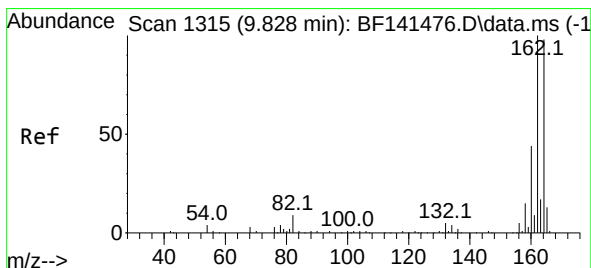
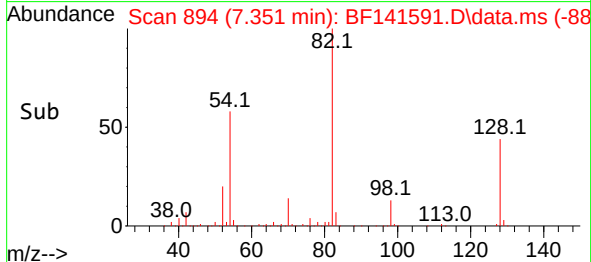
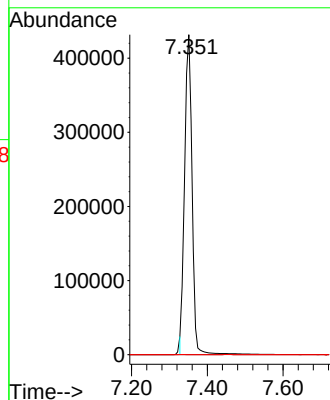
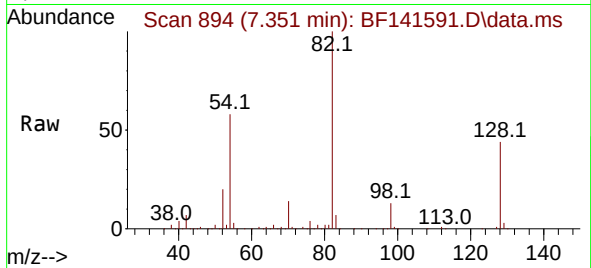




#25
Isophorone
Concen: 60.074 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.271 min
Lab File: BF141591.D
Acq: 12 Feb 2025 15:42

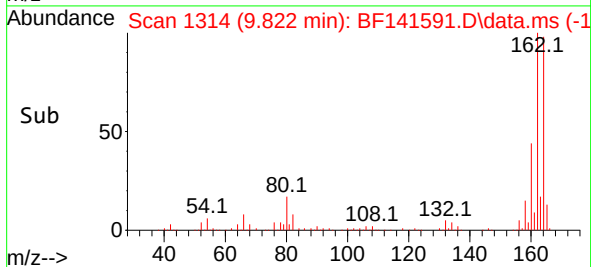
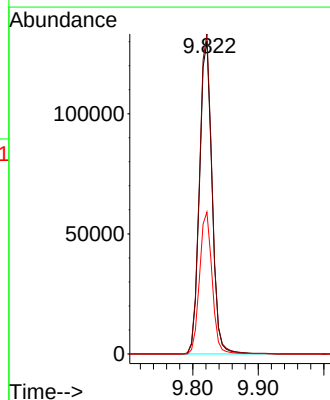
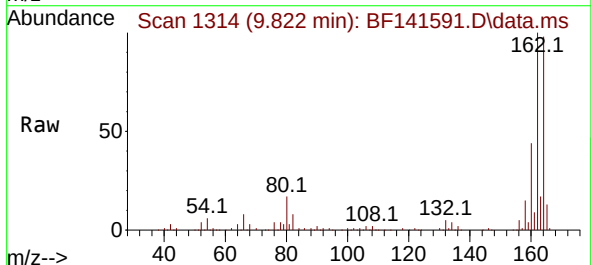
Instrument :
BNA_F
ClientSampleId :
WC-7

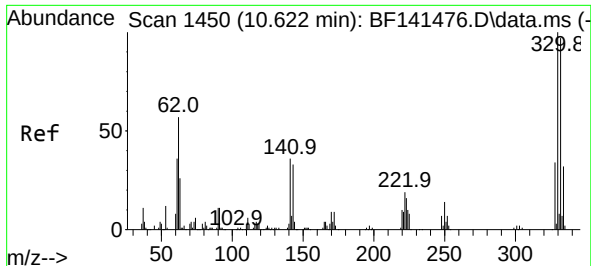
Tgt Ion: 82 Resp: 588419
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141591.D
Acq: 12 Feb 2025 15:42

Tgt Ion:164 Resp: 173184
Ion Ratio Lower Upper
164 100
162 102.4 81.3 121.9
160 45.4 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 144.789 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.018 min

Lab File: BF141591.D

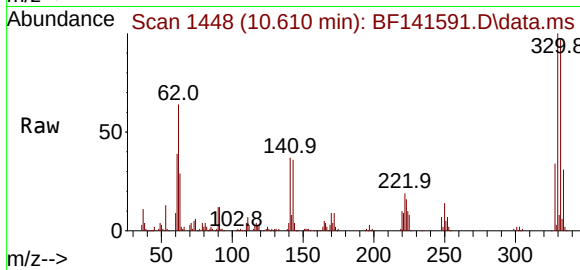
Acq: 12 Feb 2025 15:42

Instrument :

BNA_F

ClientSampleId :

WC-7



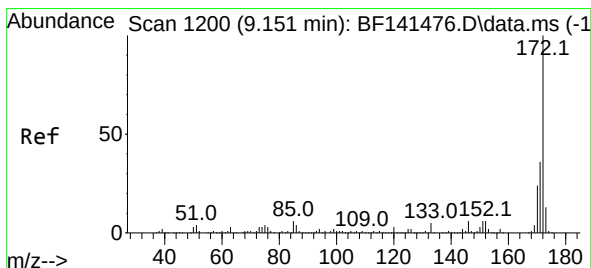
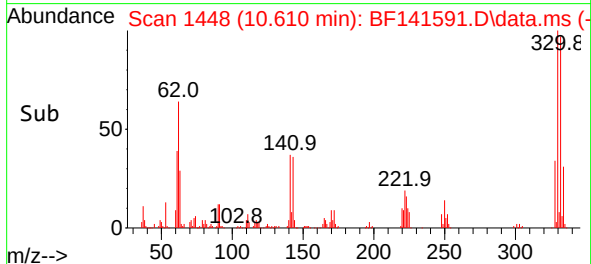
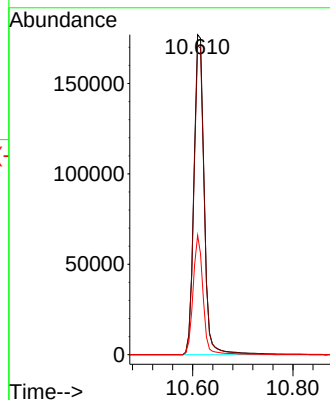
Tgt Ion:330 Resp: 251891

Ion Ratio Lower Upper

330 100

332 96.9 78.5 117.7

141 36.2 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 98.791 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF141591.D

Acq: 12 Feb 2025 15:42

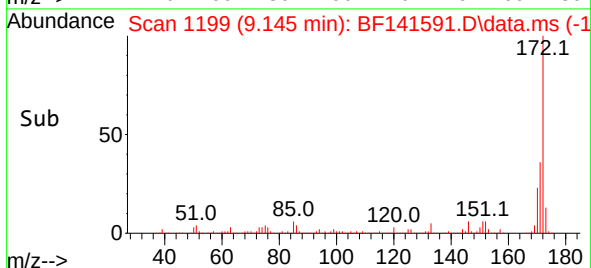
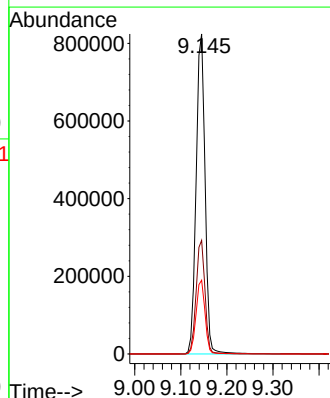
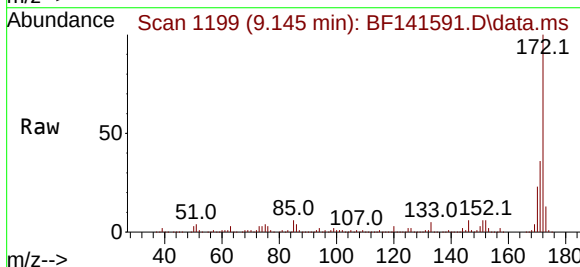
Tgt Ion:172 Resp: 1110511

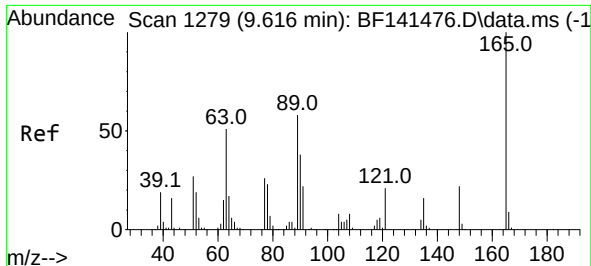
Ion Ratio Lower Upper

172 100

171 35.5 28.7 43.1

170 23.0 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.929 ng

RT: 9.822 min Scan# 1

Delta R.T. 0.200 min

Lab File: BF141591.D

Acq: 12 Feb 2025 15:42

Instrument :

BNA_F

ClientSampleId :

WC-7

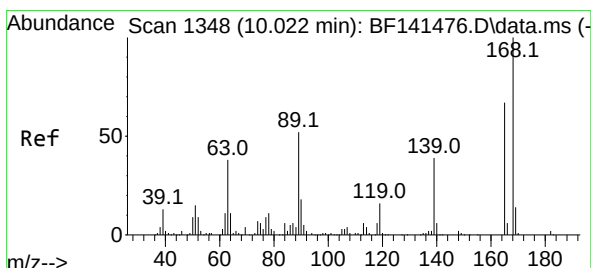
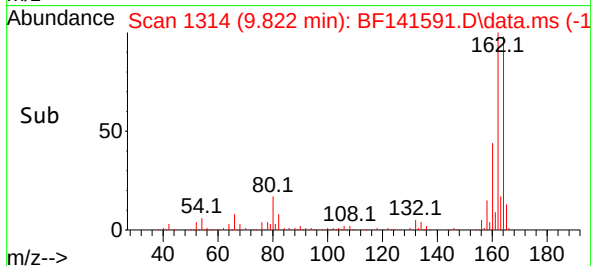
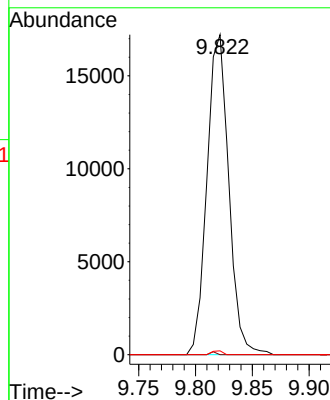
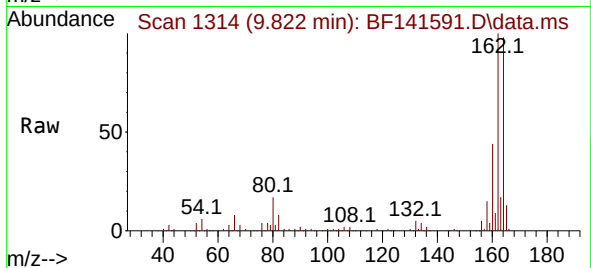
Tgt Ion:165 Resp: 22948

Ion Ratio Lower Upper

165 100

63 0.0 49.4 74.0#

89 1.2 46.5 69.7#



#57

2,4-Dinitrotoluene

Concen: 6.707 ng

RT: 9.822 min Scan# 1314

Delta R.T. -0.206 min

Lab File: BF141591.D

Acq: 12 Feb 2025 15:42

Tgt Ion:165 Resp: 22948

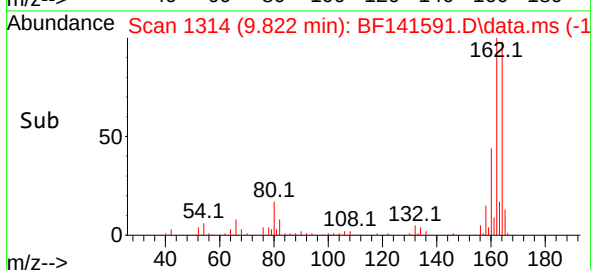
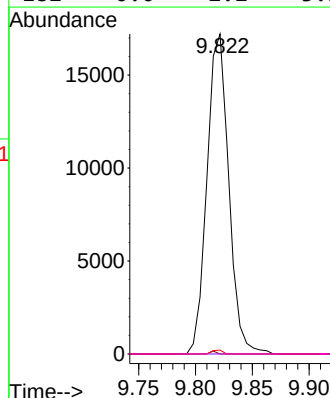
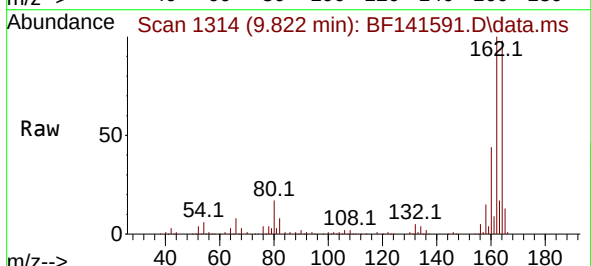
Ion Ratio Lower Upper

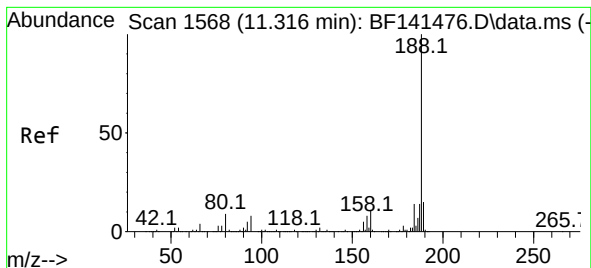
165 100

63 0.0 46.4 69.6#

89 1.2 61.8 92.6#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141591.D

Acq: 12 Feb 2025 15:42

Instrument :

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ClientSampleId :

WC-7

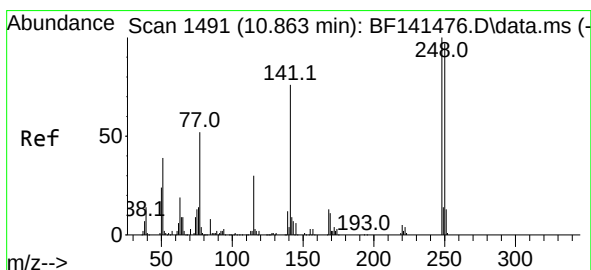
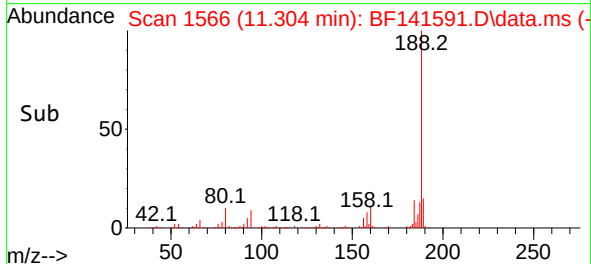
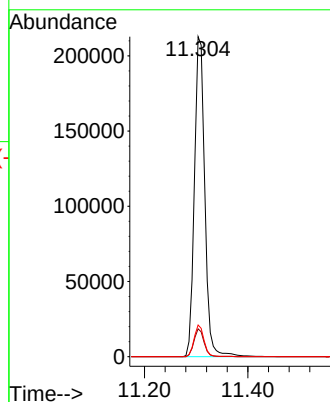
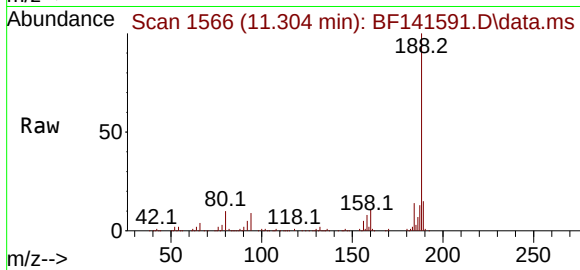
Tgt Ion:188 Resp: 296109

Ion Ratio Lower Upper

188 100

94 8.7 6.6 10.0

80 9.9 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 5.046 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.253 min

Lab File: BF141591.D

Acq: 12 Feb 2025 15:42

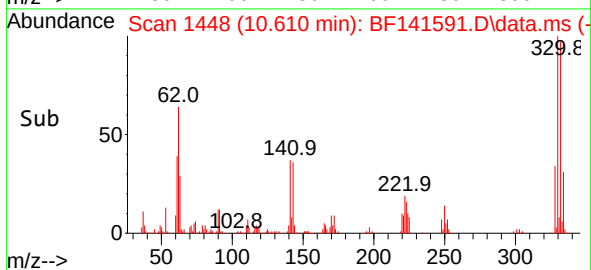
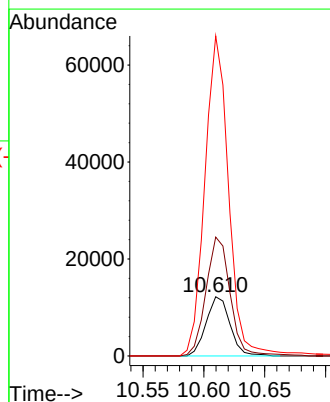
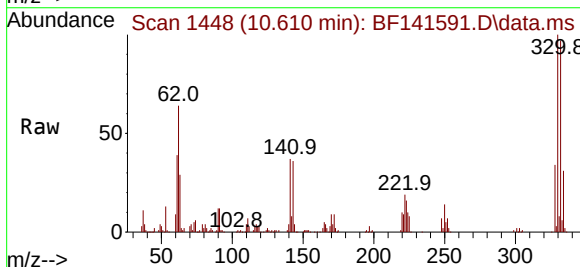
Tgt Ion:248 Resp: 16700

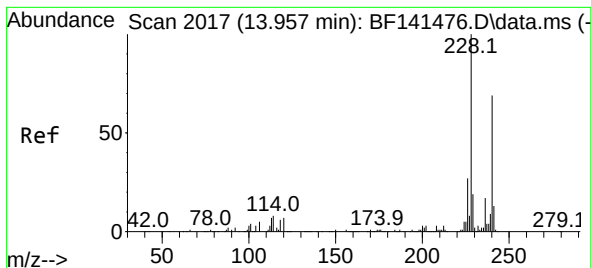
Ion Ratio Lower Upper

248 100

250 200.9 77.8 116.6#

141 540.6 60.6 90.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.945 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF141591.D

Acq: 12 Feb 2025 15:42

Instrument :

BNA_F

ClientSampleId :

WC-7

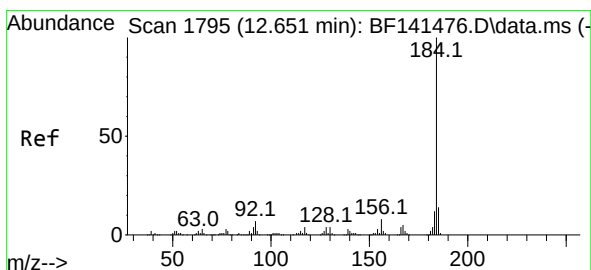
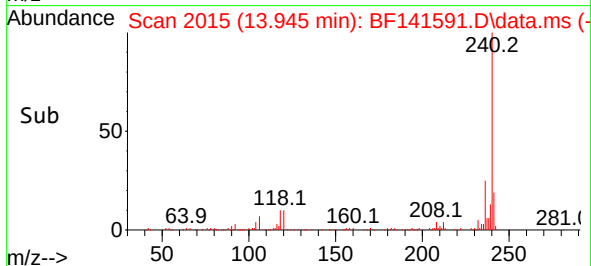
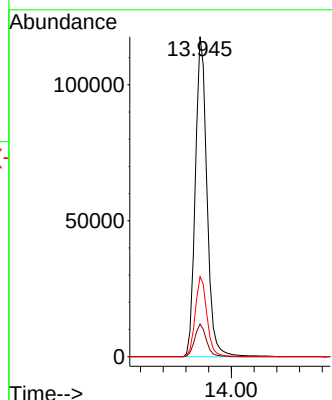
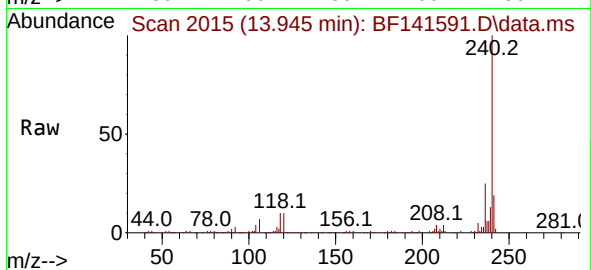
Tgt Ion:240 Resp: 168327

Ion Ratio Lower Upper

240 100

120 10.1 8.0 12.0

236 25.0 19.8 29.8



#77

Benzdine

Concen: 4.255 ng

RT: 12.892 min Scan# 1836

Delta R.T. 0.235 min

Lab File: BF141591.D

Acq: 12 Feb 2025 15:42

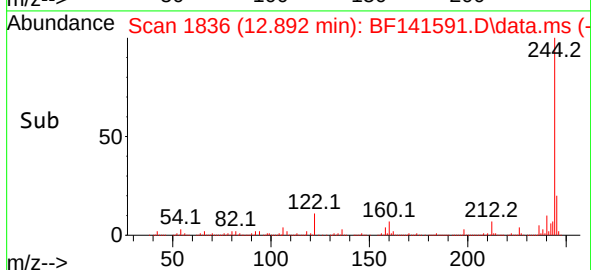
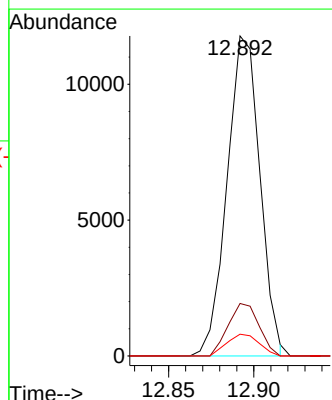
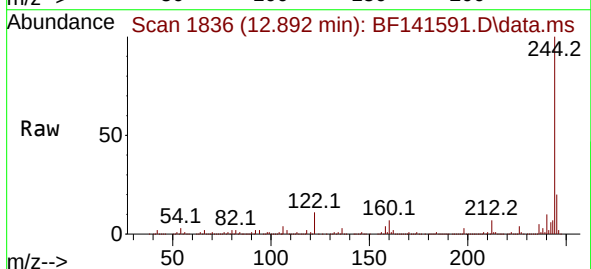
Tgt Ion:184 Resp: 15795

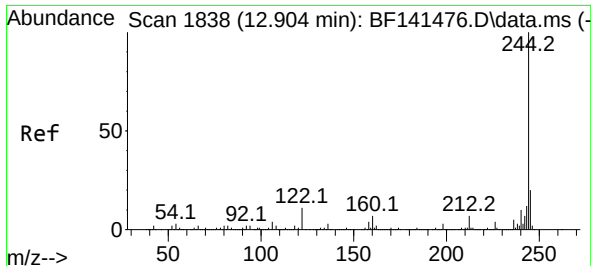
Ion Ratio Lower Upper

184 100

185 16.4 11.3 16.9

183 6.8 9.3 13.9#

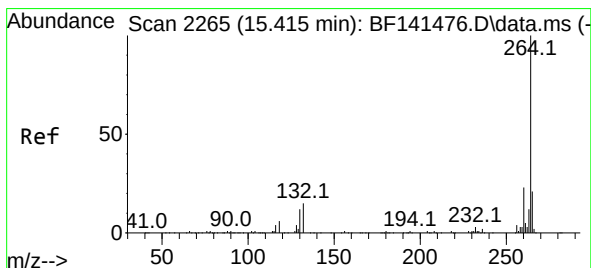
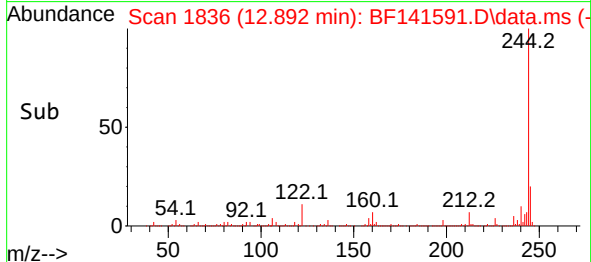
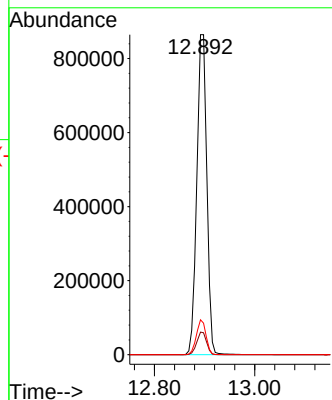
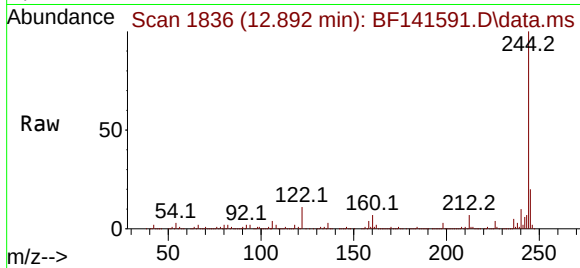




#79
 Terphenyl-d14
 Concen: 119.959 ng
 RT: 12.892 min Scan# 1836
 Delta R.T. -0.012 min
 Lab File: BF141591.D
 Acq: 12 Feb 2025 15:42

Instrument :
 BNA_F
 ClientSampleId :
 WC-7

Tgt Ion:244 Resp: 1196107
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 10.9 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.398 min Scan# 2262
 Delta R.T. -0.018 min
 Lab File: BF141591.D
 Acq: 12 Feb 2025 15:42

Tgt Ion:264 Resp: 161226
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.6 28.0
 265 21.9 17.0 25.4

