

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
 Data File : BF142493.D
 Acq On : 21 May 2025 18:07
 Operator : RC/JU
 Sample : Q2071-08
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 L1-WC-8

Quant Time: May 22 01:01:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

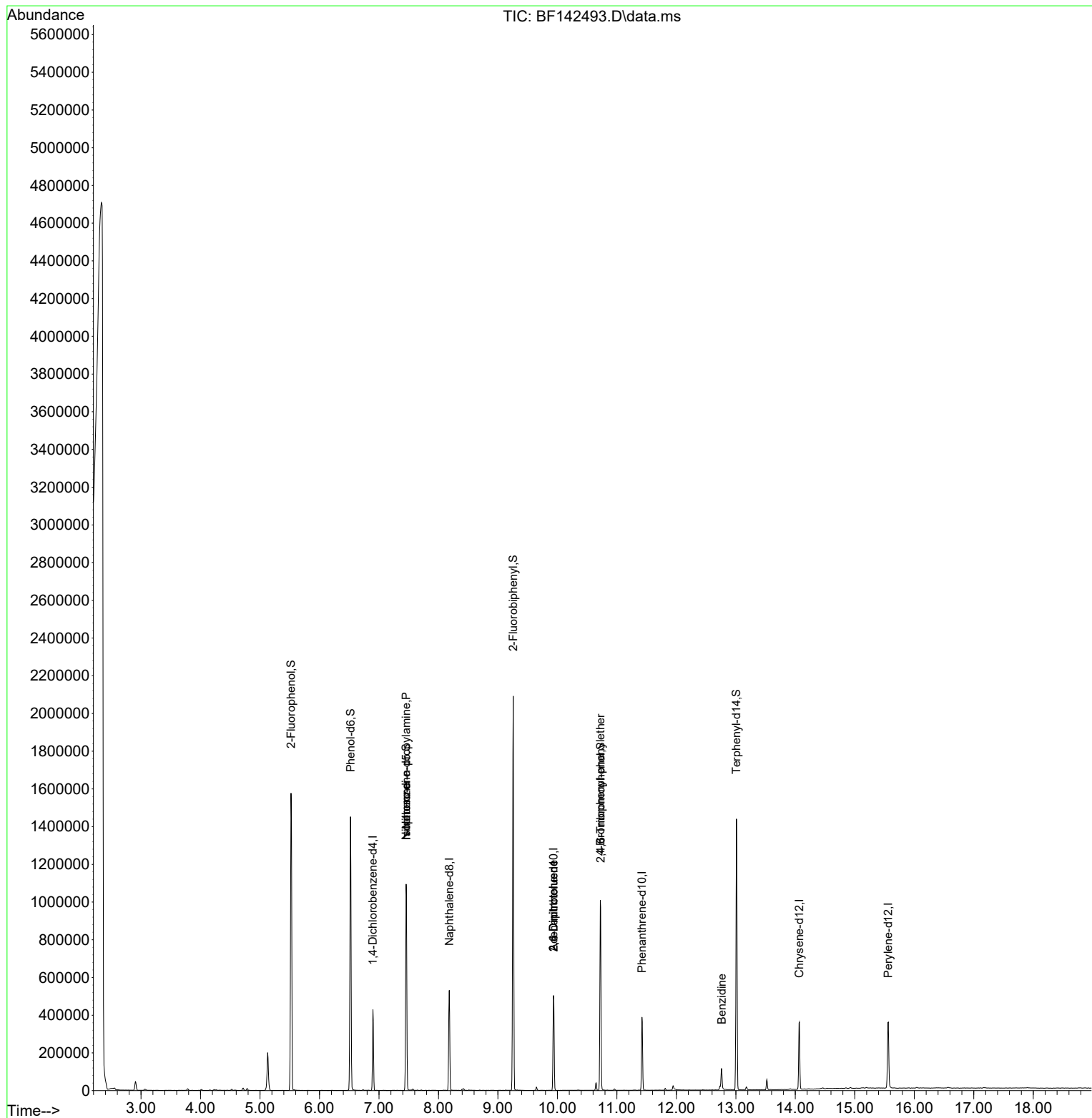
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	92218	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	335633	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	155188	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	208753	20.000	ng	-0.01
76) Chrysene-d12	14.069	240	182605	20.000	ng	0.00
86) Perylene-d12	15.563	264	214720	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	608762	111.216	ng	0.00
7) Phenol-d6	6.522	99	673331	102.190	ng	-0.01
23) Nitrobenzene-d5	7.457	82	478635	77.762	ng	-0.02
42) 2,4,6-Tribromophenol	10.728	330	182116	105.734	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	931728	80.564	ng	-0.01
79) Terphenyl-d14	13.010	244	699042	52.314	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	64527	15.802	ng	# 76
25) Isophorone	7.457	82	462673	44.959	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	19649	8.891	ng	# 27
57) 2,4-Dinitrotoluene	9.933	165	19649	6.808	ng	# 28
67) 4-Bromophenyl-phenylether	10.722	248	11448	4.638	ng	# 1
77) Benzidine	12.763	184	68395	10.065	ng	99

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

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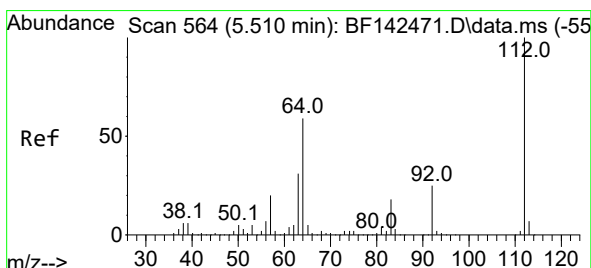
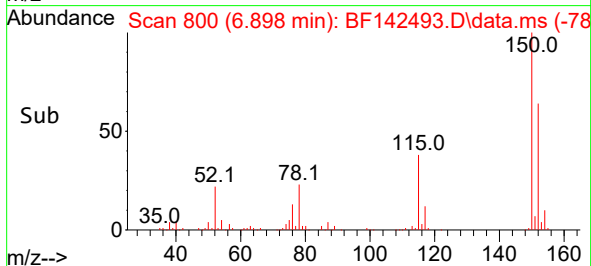
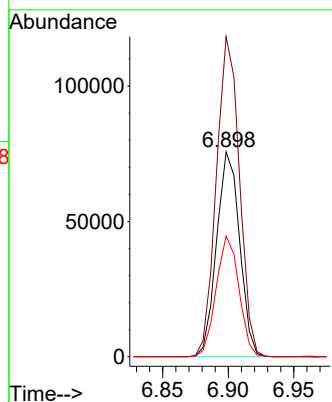
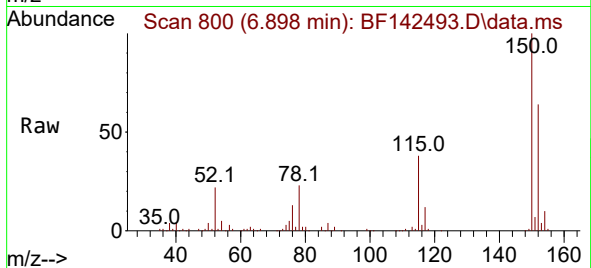




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: BF142493.D
 Acq: 21 May 2025 18:07

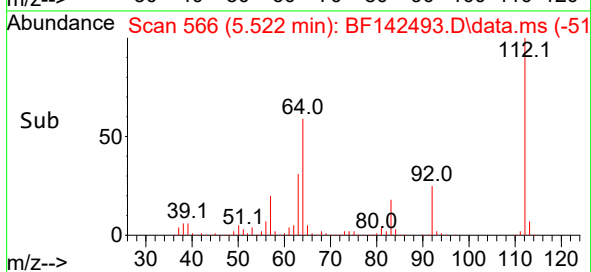
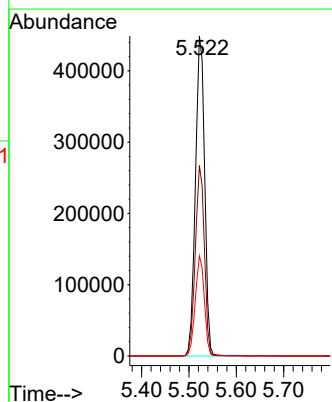
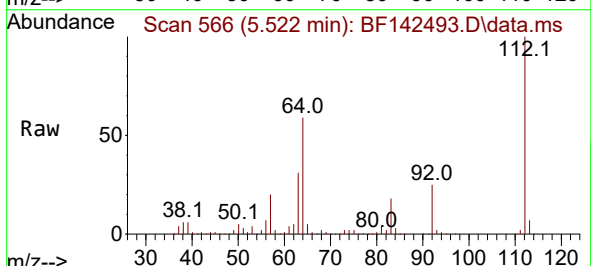
Instrument :
 BNA_F
 ClientSampleId :
 L1-WC-8

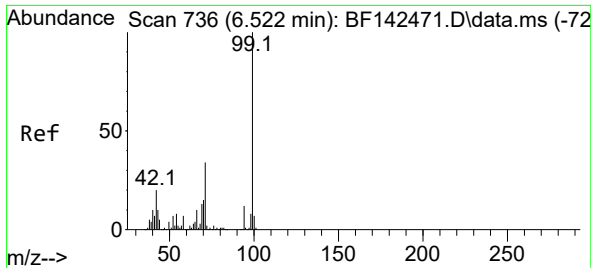
Tgt Ion:152 Resp: 92218
 Ion Ratio Lower Upper
 152 100
 150 156.3 128.2 192.4
 115 58.9 48.3 72.5



#5
 2-Fluorophenol
 Concen: 111.216 ng
 RT: 5.522 min Scan# 566
 Delta R.T. 0.006 min
 Lab File: BF142493.D
 Acq: 21 May 2025 18:07

Tgt Ion:112 Resp: 608762
 Ion Ratio Lower Upper
 112 100
 64 59.5 47.5 71.3
 63 31.2 24.9 37.3





#7
Phenol-d6
Concen: 102.190 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142493.D
Acq: 21 May 2025 18:07

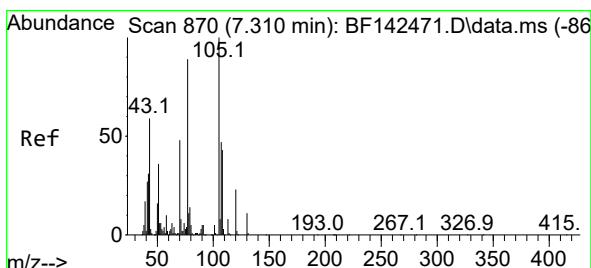
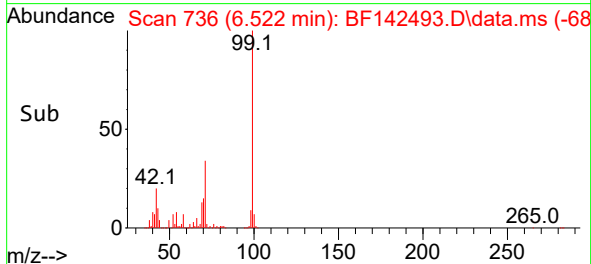
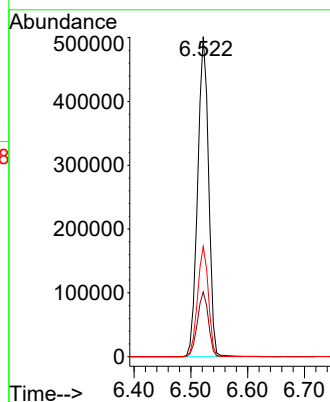
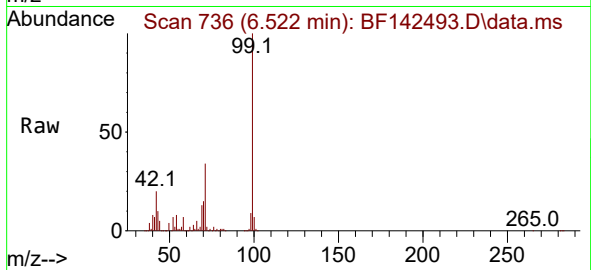
Instrument :

BNA_F

ClientSampleId :

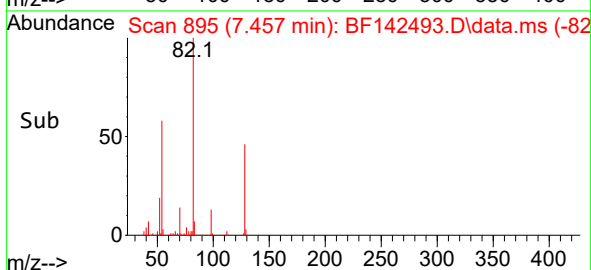
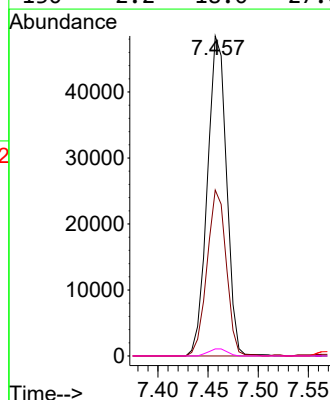
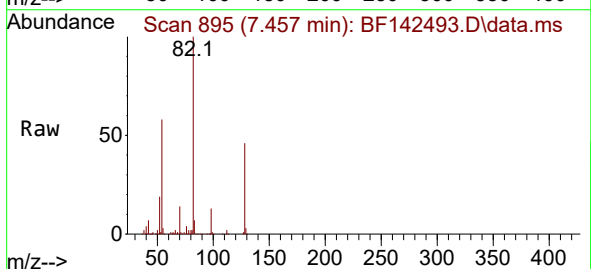
L1-WC-8

Tgt Ion: 99 Resp: 673331
Ion Ratio Lower Upper
99 100
42 20.3 16.2 24.2
71 34.4 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 15.802 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.130 min
Lab File: BF142493.D
Acq: 21 May 2025 18:07

Tgt Ion: 70 Resp: 64527
Ion Ratio Lower Upper
70 100
42 51.9 52.4 78.6#
101 0.0 7.8 11.8#
130 2.2 18.0 27.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.181 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142493.D

Acq: 21 May 2025 18:07

Instrument :

BNA_F

ClientSampleId :

L1-WC-8

Tgt Ion:136 Resp: 335633

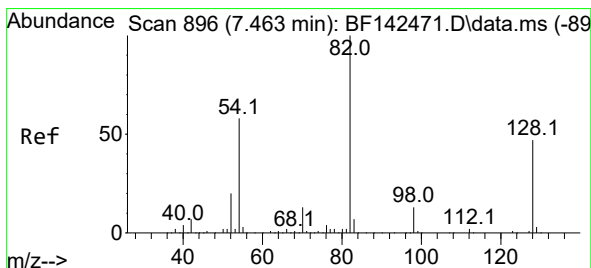
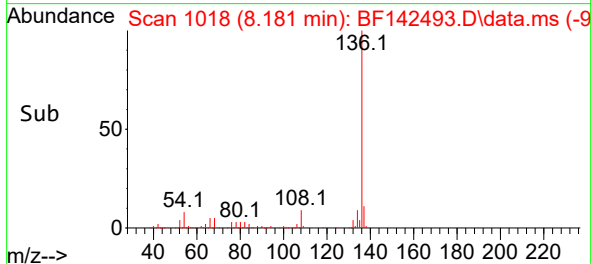
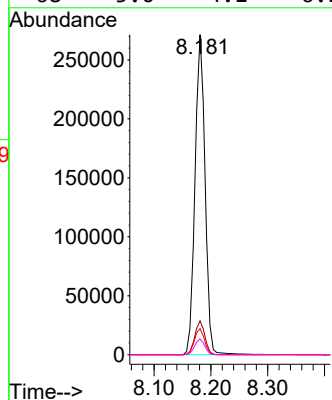
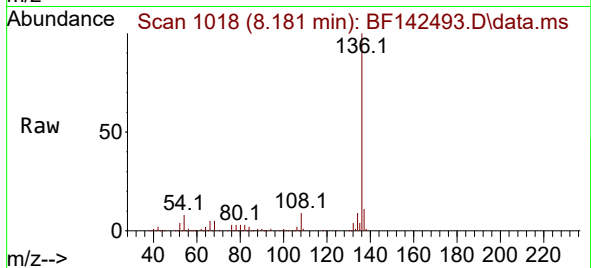
Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

54 8.1 6.6 10.0

68 5.0 4.1 6.1



#23

Nitrobenzene-d5

Concen: 77.762 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.017 min

Lab File: BF142493.D

Acq: 21 May 2025 18:07

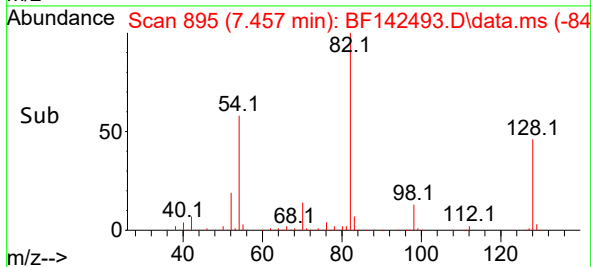
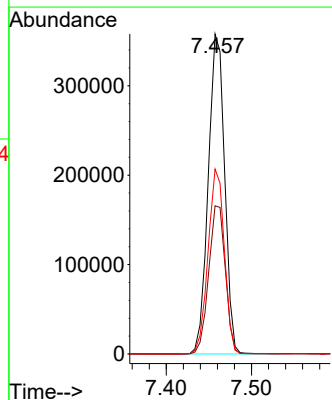
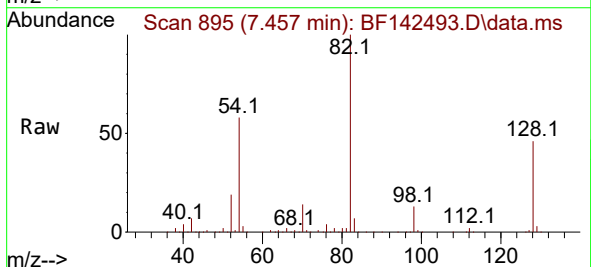
Tgt Ion: 82 Resp: 478635

Ion Ratio Lower Upper

82 100

128 46.3 37.4 56.2

54 57.8 46.6 70.0

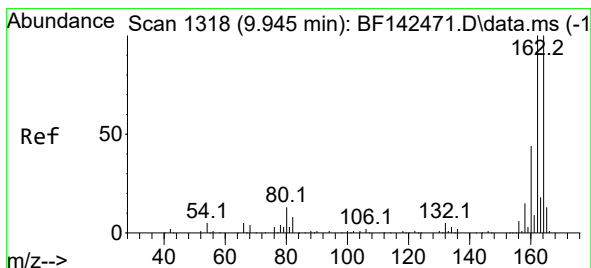
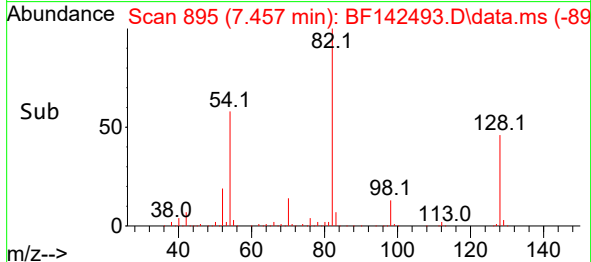
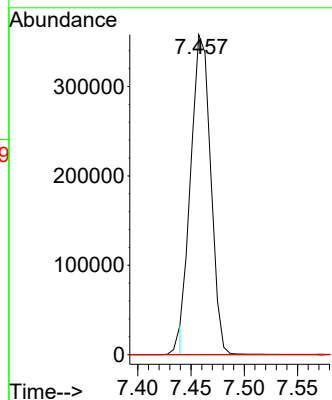
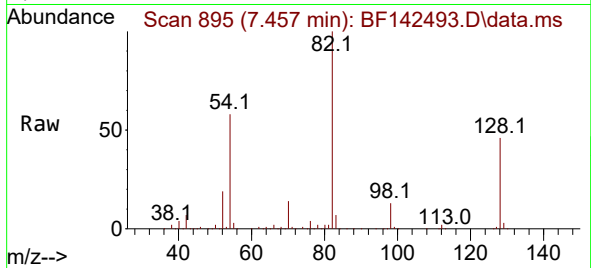




#25
Isophorone
Concen: 44.959 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF142493.D
Acq: 21 May 2025 18:07

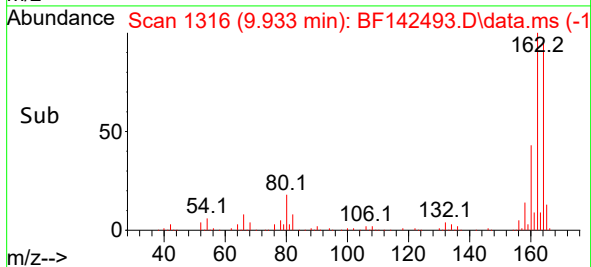
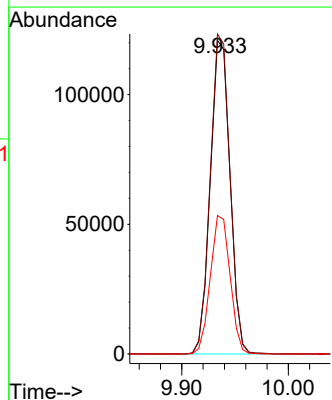
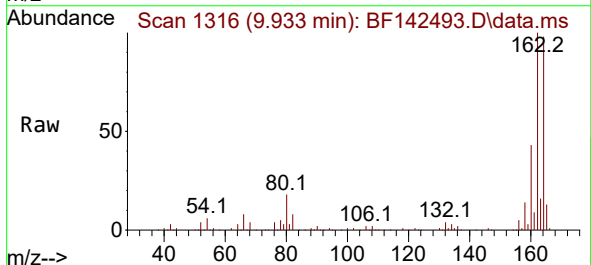
Instrument :
BNA_F
ClientSampleId :
L1-WC-8

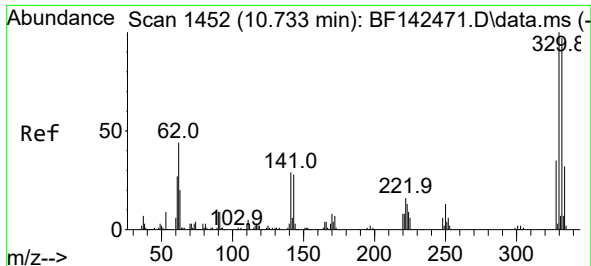
Tgt Ion: 82 Resp: 462673
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142493.D
Acq: 21 May 2025 18:07

Tgt Ion: 164 Resp: 155188
Ion Ratio Lower Upper
164 100
162 102.0 80.2 120.4
160 44.1 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 105.734 ng

RT: 10.728 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF142493.D

Acq: 21 May 2025 18:07

Instrument :

BNA_F

ClientSampleId :

L1-WC-8

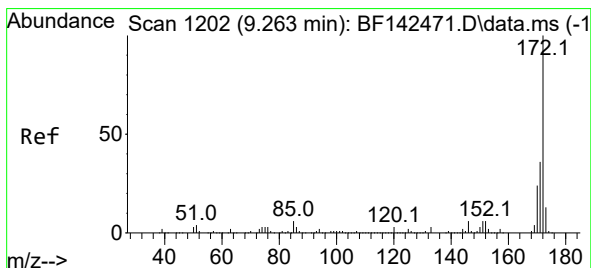
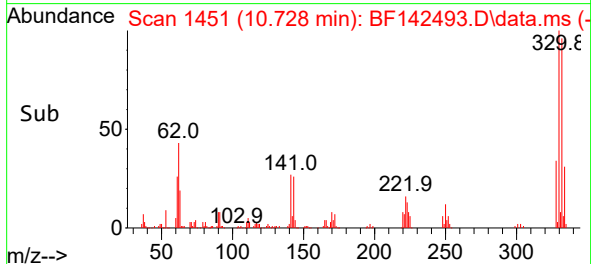
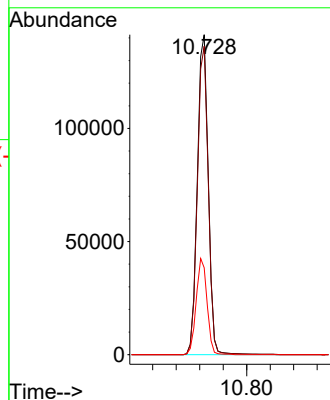
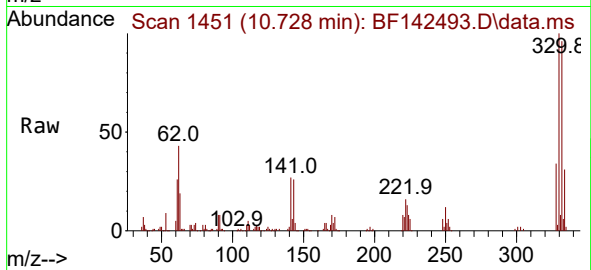
Tgt Ion:330 Resp: 182116

Ion Ratio Lower Upper

330 100

332 96.1 77.6 116.4

141 29.8 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 80.564 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF142493.D

Acq: 21 May 2025 18:07

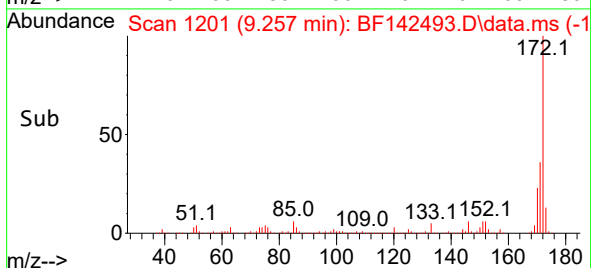
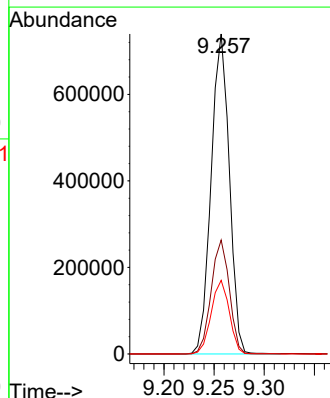
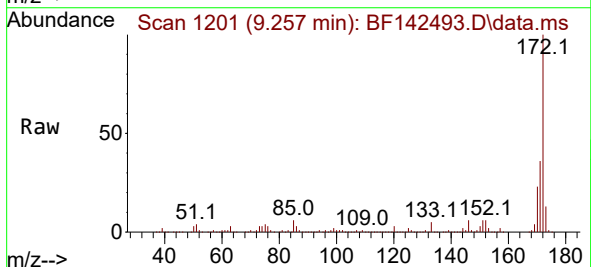
Tgt Ion:172 Resp: 931728

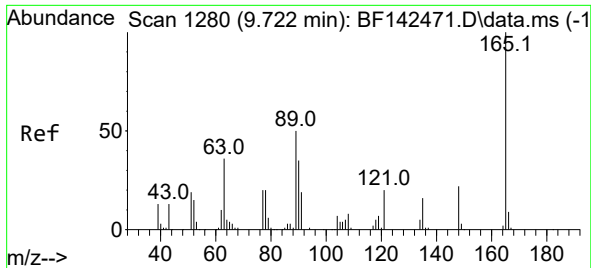
Ion Ratio Lower Upper

172 100

171 35.6 28.6 42.8

170 23.0 18.9 28.3

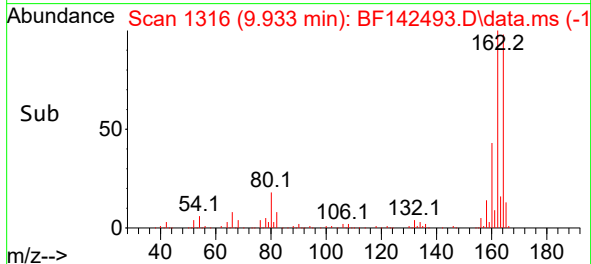
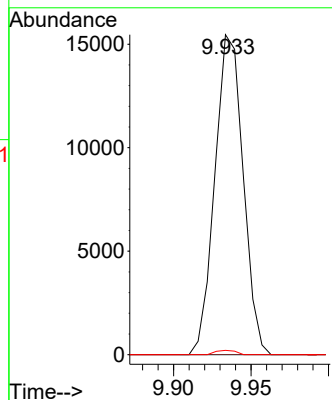
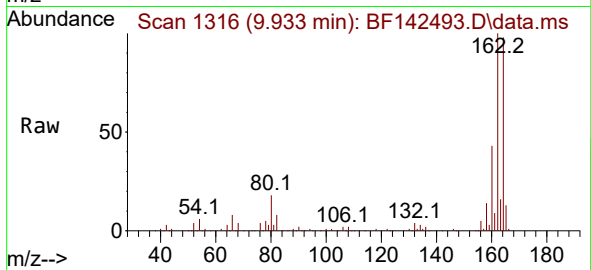




#51
2,6-Dinitrotoluene
Concen: 8.891 ng
RT: 9.933 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF142493.D
Acq: 21 May 2025 18:07

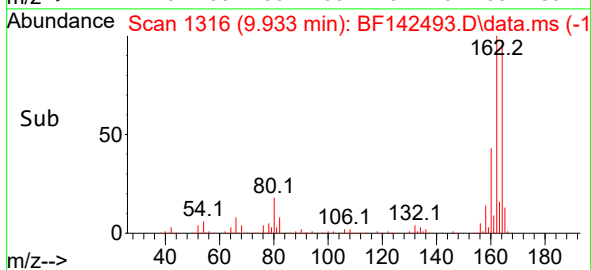
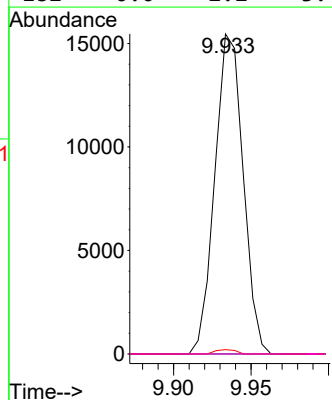
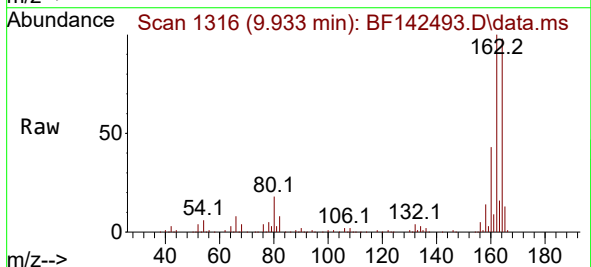
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L1-WC-8

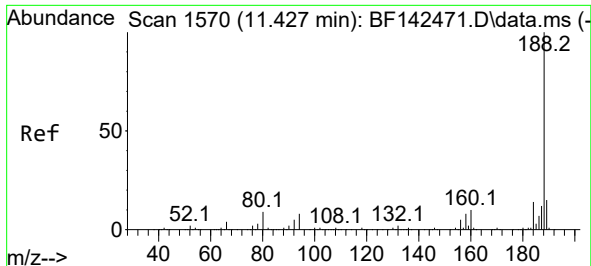
Tgt Ion:165 Resp: 19649
Ion Ratio Lower Upper
165 100
63 0.0 42.9 64.3#
89 1.4 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.808 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142493.D
Acq: 21 May 2025 18:07

Tgt Ion:165 Resp: 19649
Ion Ratio Lower Upper
165 100
63 0.0 33.6 50.4#
89 1.4 50.2 75.4#
182 0.0 2.2 3.4#

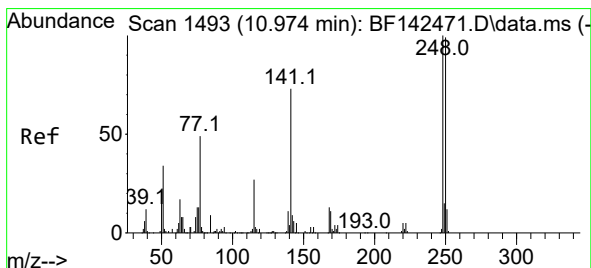
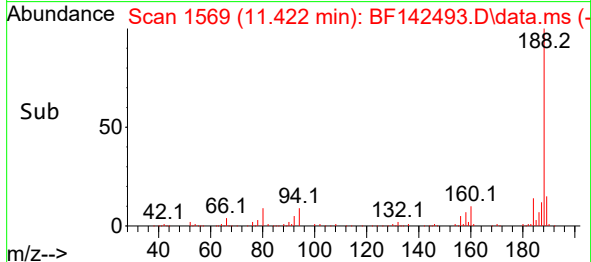
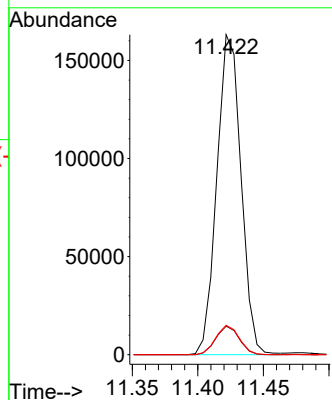
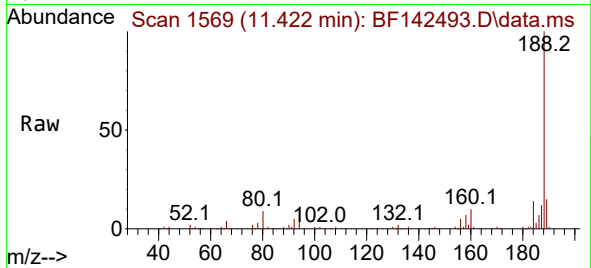




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142493.D
Acq: 21 May 2025 18:07

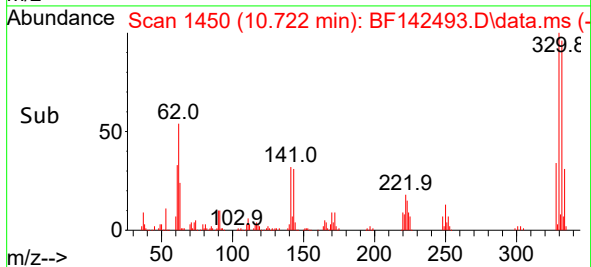
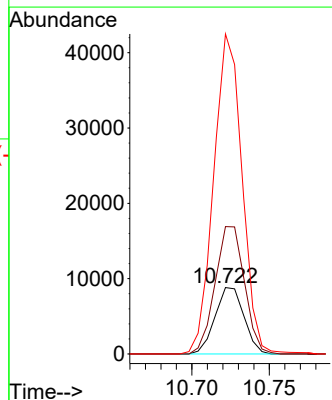
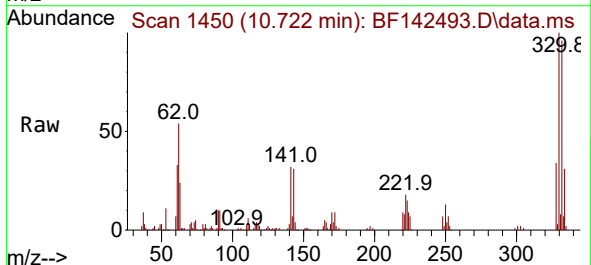
Instrument :
BNA_F
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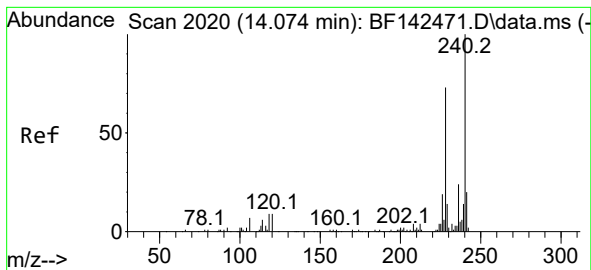
Tgt Ion:188 Resp: 208753
Ion Ratio Lower Upper
188 100
94 8.9 6.6 10.0
80 9.2 7.4 11.0



#67
4-Bromophenyl-phenylether
Concen: 4.638 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.253 min
Lab File: BF142493.D
Acq: 21 May 2025 18:07

Tgt Ion:248 Resp: 11448
Ion Ratio Lower Upper
248 100
250 191.7 79.0 118.4#
141 481.8 58.4 87.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.069 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142493.D

Acq: 21 May 2025 18:07

Instrument :

BNA_F

ClientSampleId :

L1-WC-8

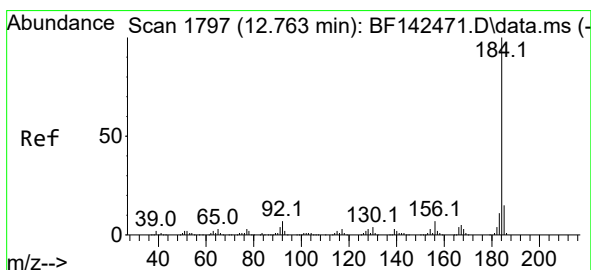
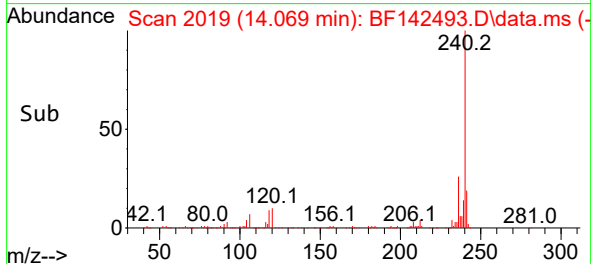
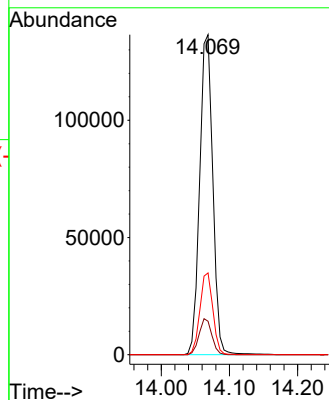
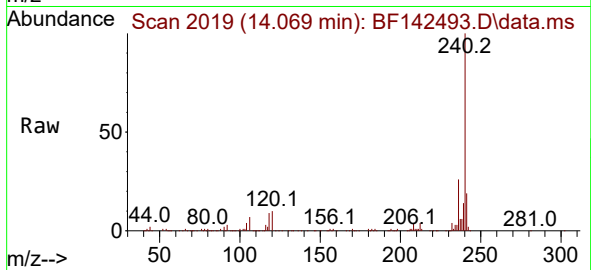
Tgt Ion:240 Resp: 182605

Ion Ratio Lower Upper

240 100

120 10.5 7.5 11.3

236 25.6 19.6 29.4



#77

Benzidine

Concen: 10.065 ng

RT: 12.763 min Scan# 1797

Delta R.T. 0.000 min

Lab File: BF142493.D

Acq: 21 May 2025 18:07

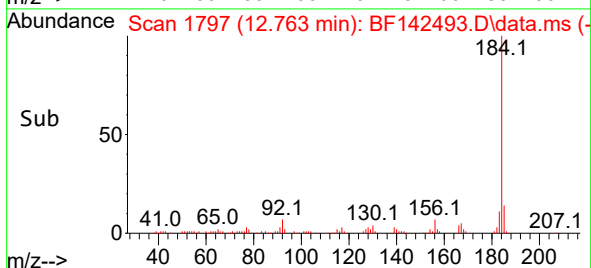
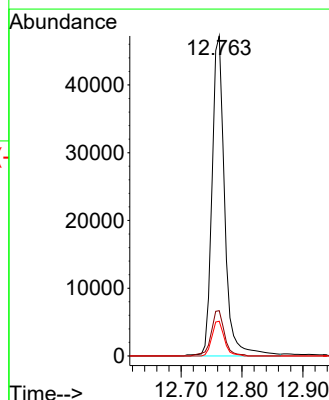
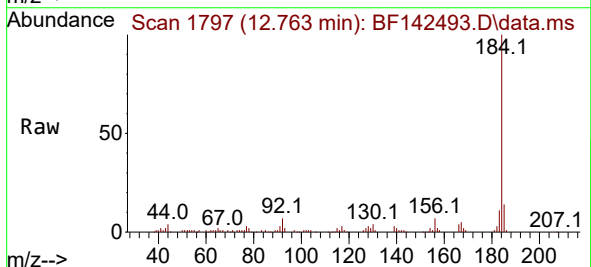
Tgt Ion:184 Resp: 68395

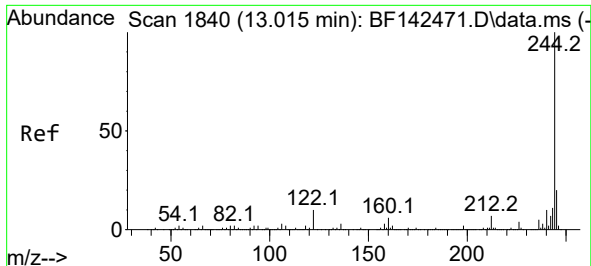
Ion Ratio Lower Upper

184 100

185 14.2 11.6 17.4

183 10.9 9.0 13.4

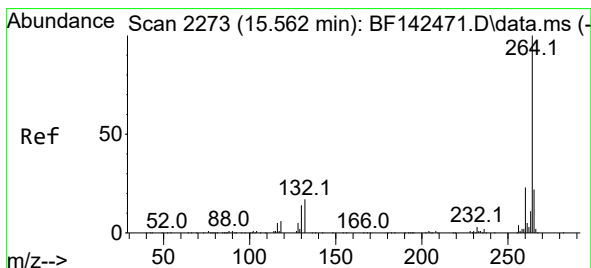
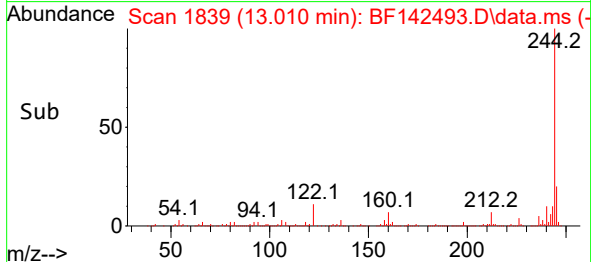
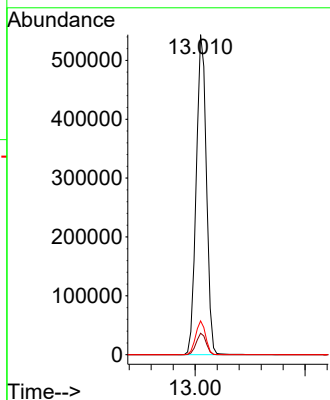
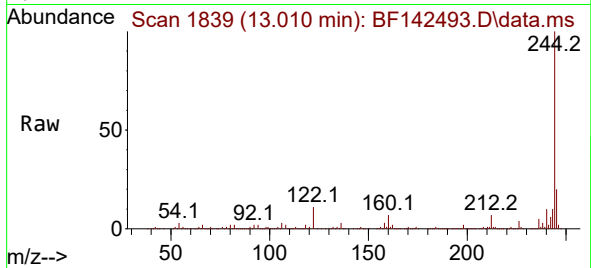




#79
Terphenyl-d14
Concen: 52.314 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142493.D
Acq: 21 May 2025 18:07

Instrument :
BNA_F
ClientSampleId :
L1-WC-8

Tgt Ion:244 Resp: 699042
Ion Ratio Lower Upper
244 100
212 6.7 5.3 7.9
122 10.5 8.2 12.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142493.D
Acq: 21 May 2025 18:07

Tgt Ion:264 Resp: 214720
Ion Ratio Lower Upper
264 100
260 22.7 18.6 28.0
265 21.3 17.7 26.5

