

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
 Data File : BF143054.D
 Acq On : 09 Jul 2025 13:57
 Operator : RC/JU
 Sample : Q2489-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G1(0-6)

Quant Time: Jul 09 14:29:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

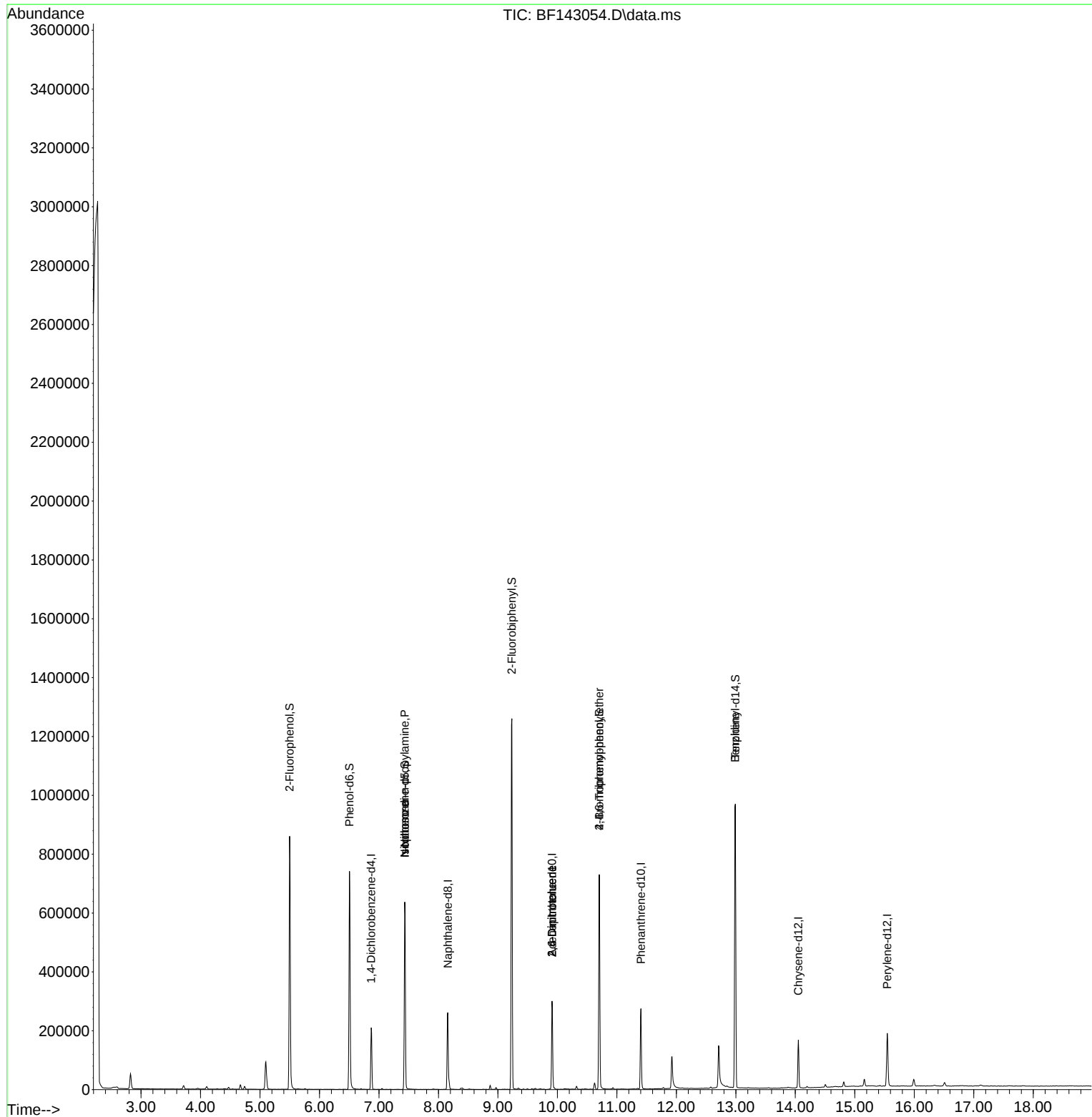
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	46737	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	178995	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	91494	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	145846	20.000	ng	0.00
76) Chrysene-d12	14.051	240	81059	20.000	ng	0.00
86) Perylene-d12	15.545	264	94524	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	344519	122.729	ng	0.00
7) Phenol-d6	6.504	99	355550	107.355	ng	0.00
23) Nitrobenzene-d5	7.434	82	278828	85.443	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	128896	136.900	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	584359	83.902	ng	-0.01
79) Terphenyl-d14	12.992	244	488454	83.260	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	37376	19.404	ng	# 75
25) Isophorone	7.434	82	278825	53.263	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	12147	9.339	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	12147	7.031	ng	# 26
67) 4-Bromophenyl-phenylether	10.704	248	7951	4.790	ng	# 1
77) Benzidine	12.986	184	6278	2.061	ng	# 94

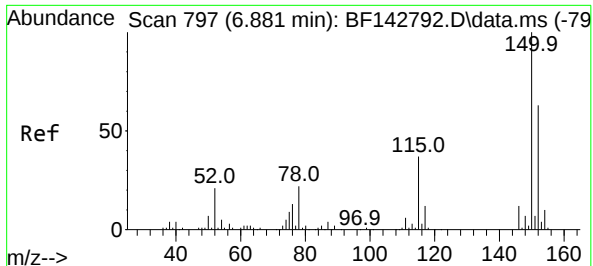
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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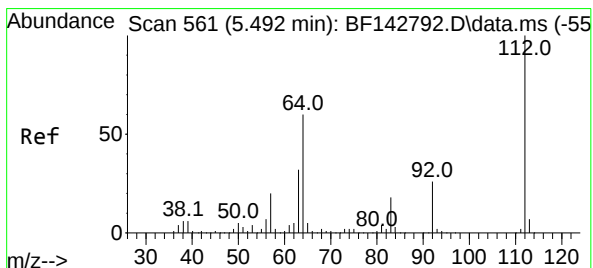
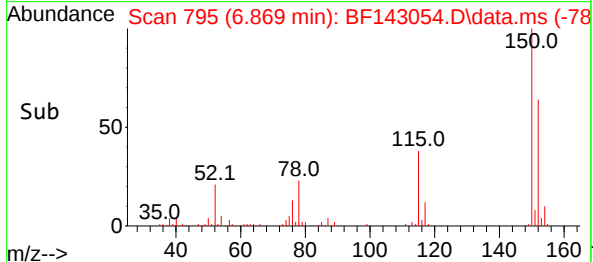
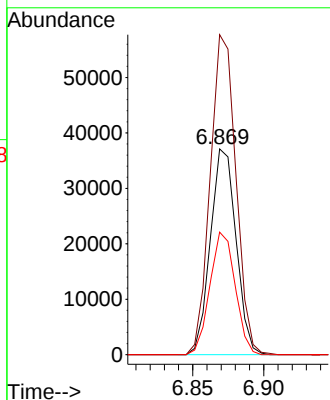
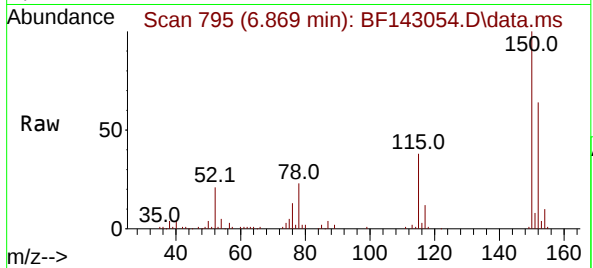




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 797
Delta R.T. -0.012 min
Lab File: BF143054.D
Acq: 09 Jul 2025 13:57

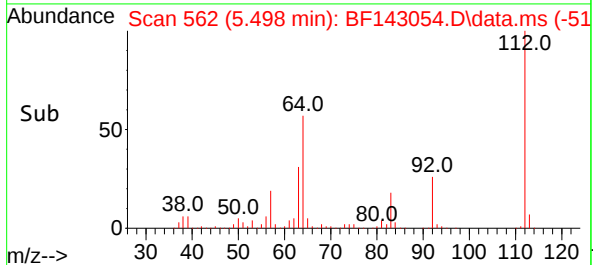
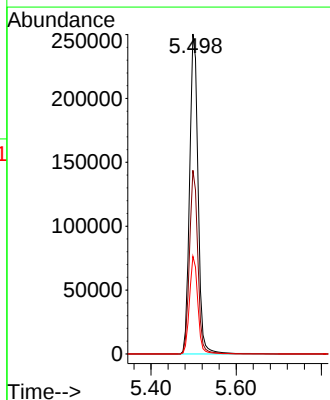
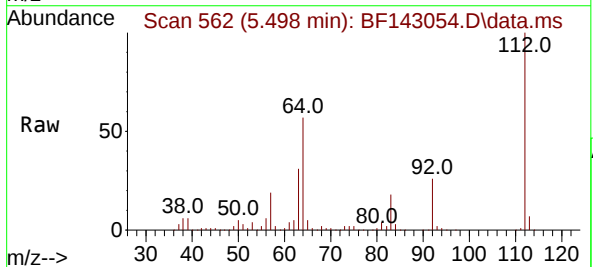
Instrument :
BNA_F
ClientSampleId :
G1(0-6)

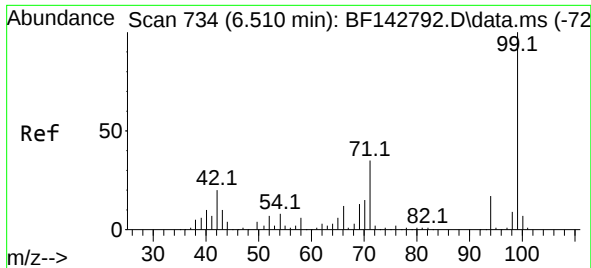
Tgt Ion:152 Resp: 46737
Ion Ratio Lower Upper
152 100
150 155.5 127.2 190.8
115 59.5 46.6 69.8



#5
2-Fluorophenol
Concen: 122.729 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF143054.D
Acq: 09 Jul 2025 13:57

Tgt Ion:112 Resp: 344519
Ion Ratio Lower Upper
112 100
64 57.4 48.2 72.2
63 30.5 25.7 38.5

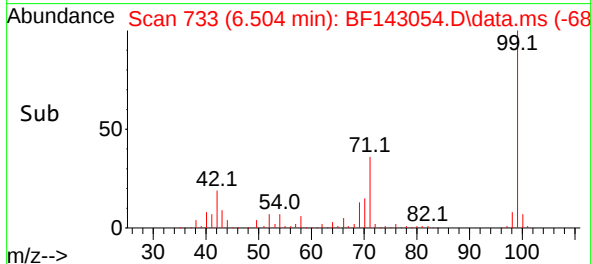
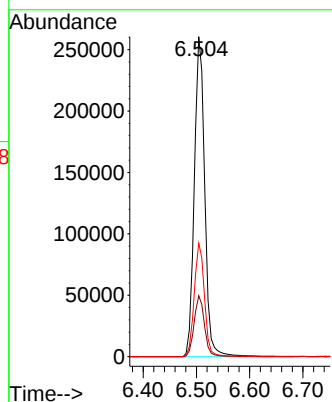
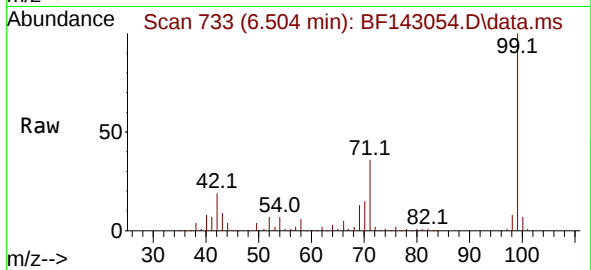




#7
Phenol-d6
Concen: 107.355 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143054.D
Acq: 09 Jul 2025 13:57

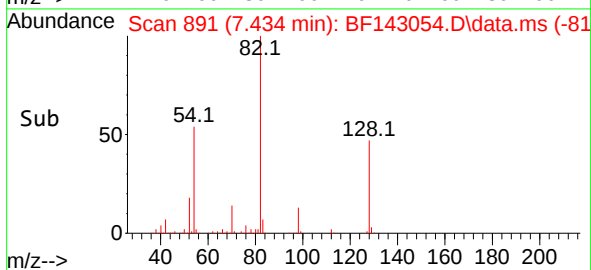
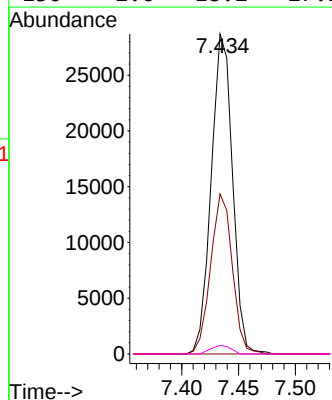
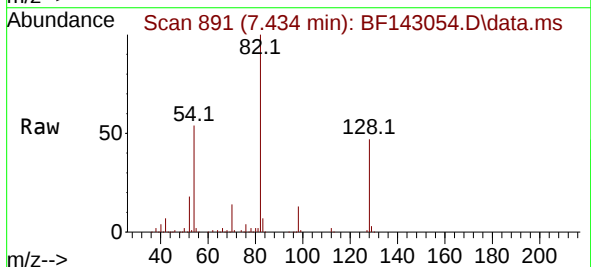
Instrument :
BNA_F
ClientSampleId :
G1(0-6)

Tgt Ion: 99 Resp: 355550
Ion Ratio Lower Upper
99 100
42 19.1 15.9 23.9
71 35.5 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 19.404 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF143054.D
Acq: 09 Jul 2025 13:57

Tgt Ion: 70 Resp: 37376
Ion Ratio Lower Upper
70 100
42 50.0 52.1 78.1#
101 0.0 8.2 12.2#
130 2.6 18.2 27.2#

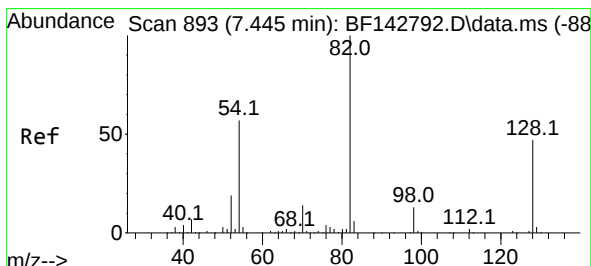
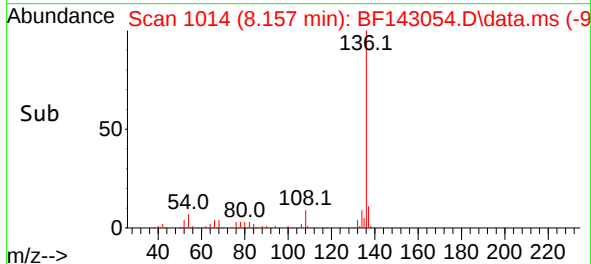
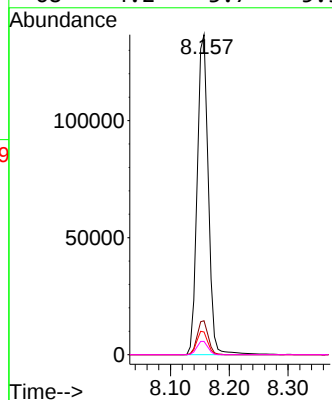
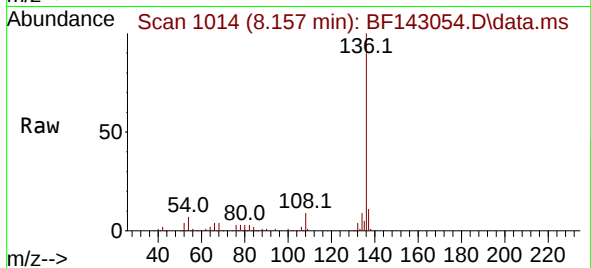




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143054.D
Acq: 09 Jul 2025 13:57

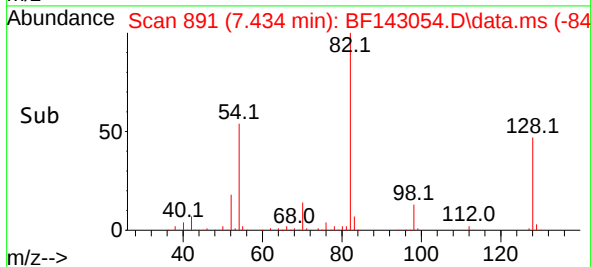
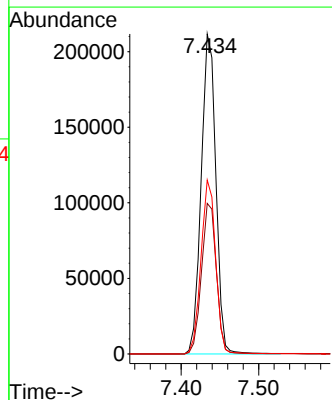
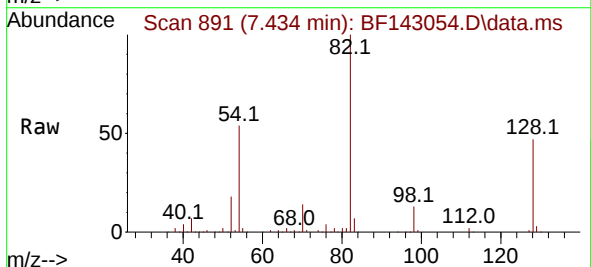
Instrument :
BNA_F
ClientSampleId :
G1(0-6)

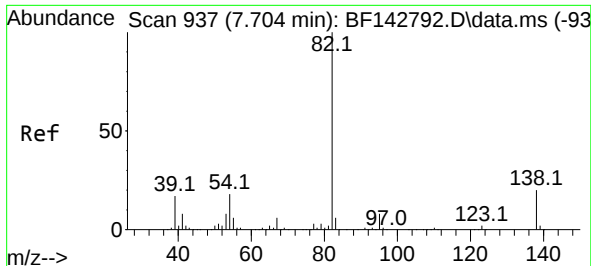
Tgt Ion:	136	Resp:	178995
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	7.1	6.3	9.5
68	4.2	3.7	5.5



#23
Nitrobenzene-d5
Concen: 85.443 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF143054.D
Acq: 09 Jul 2025 13:57

Tgt Ion:	82	Resp:	278828
Ion	Ratio	Lower	Upper
82	100		
128	47.1	37.7	56.5
54	54.4	45.7	68.5

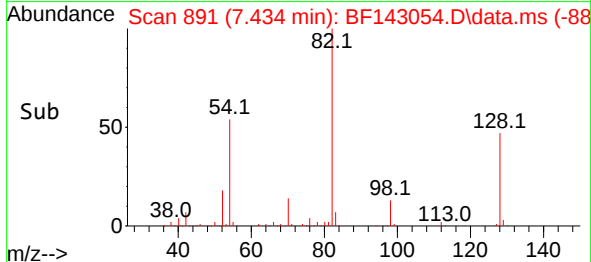
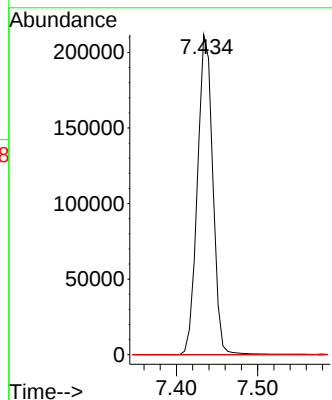
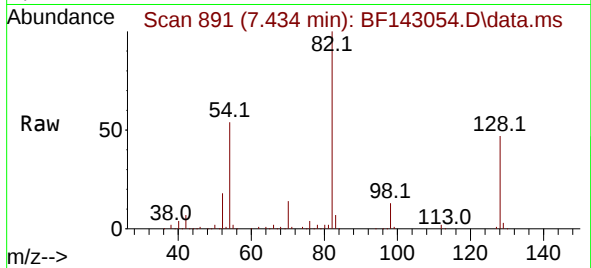




#25
Isophorone
Concen: 53.263 ng
RT: 7.434 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF143054.D
Acq: 09 Jul 2025 13:57

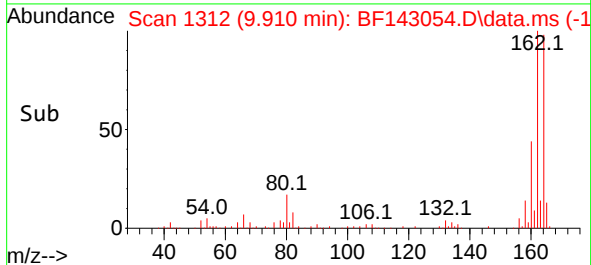
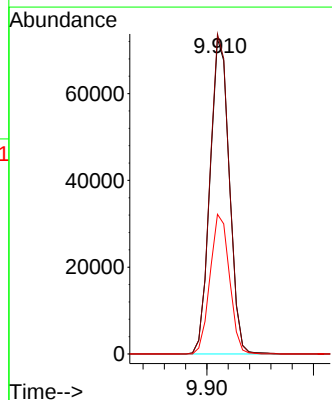
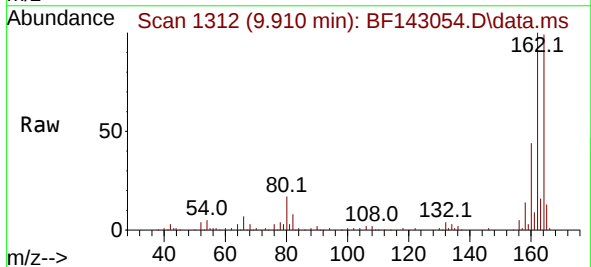
Instrument :
BNA_F
ClientSampleId :
G1(0-6)

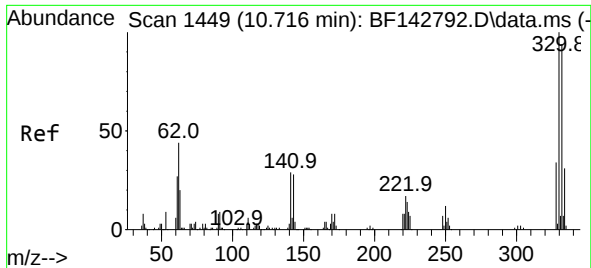
Tgt Ion: 82 Resp: 278825
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF143054.D
Acq: 09 Jul 2025 13:57

Tgt Ion:164 Resp: 91494
Ion Ratio Lower Upper
164 100
162 101.5 81.8 122.8
160 44.3 36.0 54.0

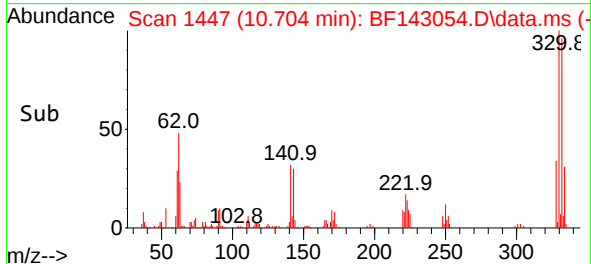
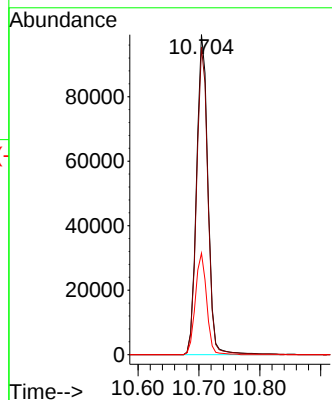
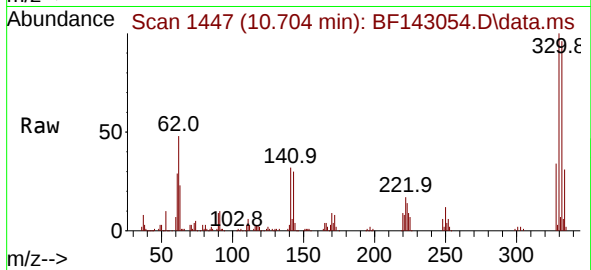




#42
 2,4,6-Tribromophenol
 Concen: 136.900 ng
 RT: 10.704 min Scan# 1447
 Delta R.T. -0.012 min
 Lab File: BF143054.D
 Acq: 09 Jul 2025 13:57

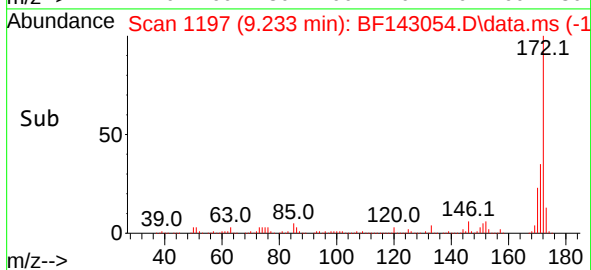
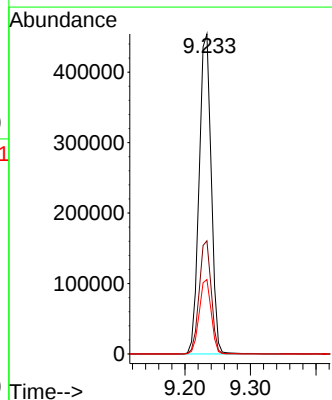
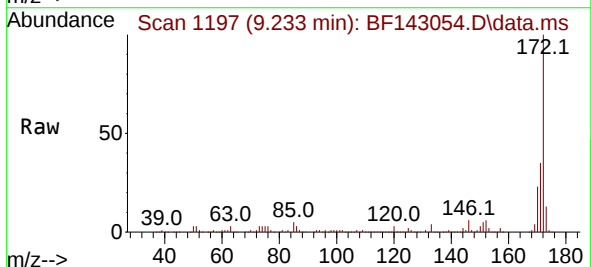
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 G1(0-6)

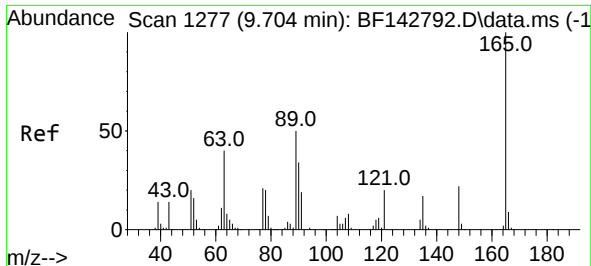
Tgt Ion:330 Resp: 128896
 Ion Ratio Lower Upper
 330 100
 332 95.9 75.0 112.6
 141 31.3 25.3 37.9



#45
 2-Fluorobiphenyl
 Concen: 83.902 ng
 RT: 9.233 min Scan# 1197
 Delta R.T. -0.012 min
 Lab File: BF143054.D
 Acq: 09 Jul 2025 13:57

Tgt Ion:172 Resp: 584359
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.2 42.4
 170 23.2 18.5 27.7

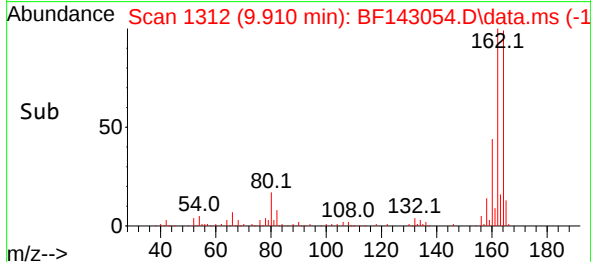
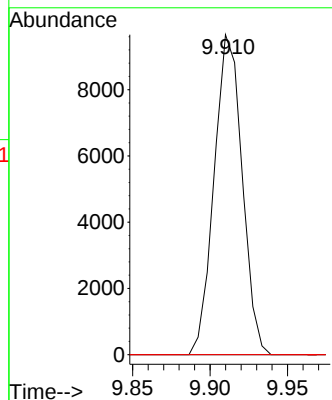
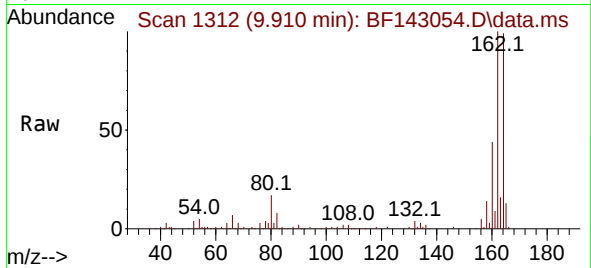




#51
2,6-Dinitrotoluene
Concen: 9.339 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF143054.D
Acq: 09 Jul 2025 13:57

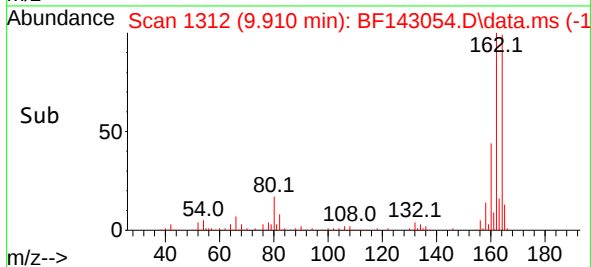
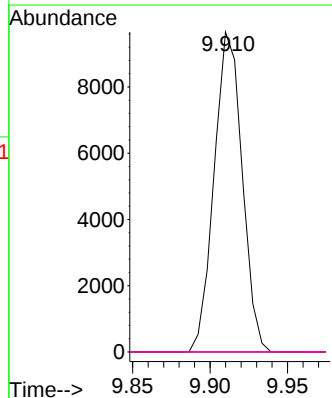
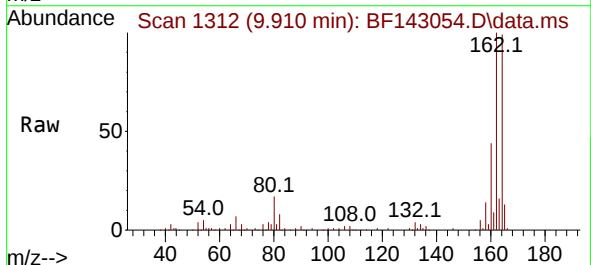
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BNA_F
ClientSampleId :
G1(0-6)

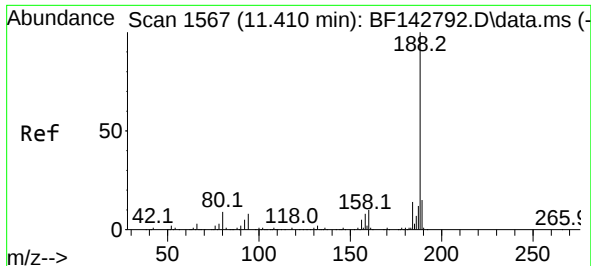
Tgt Ion:165 Resp: 12147
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 7.031 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.200 min
Lab File: BF143054.D
Acq: 09 Jul 2025 13:57

Tgt Ion:165 Resp: 12147
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 0.0 50.6 75.8#
182 0.0 2.3 3.5#

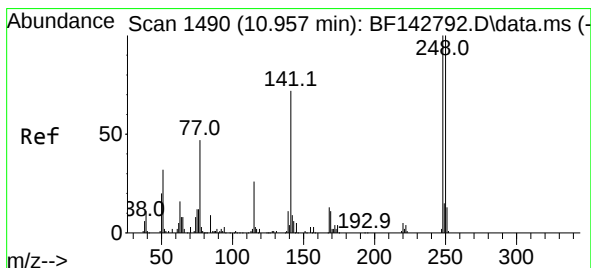
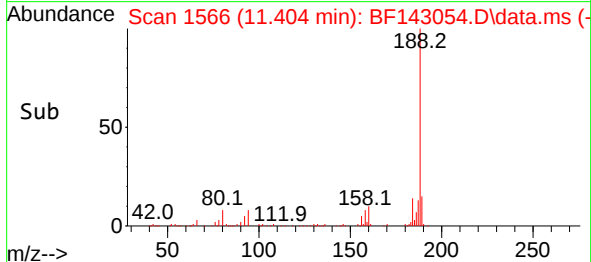
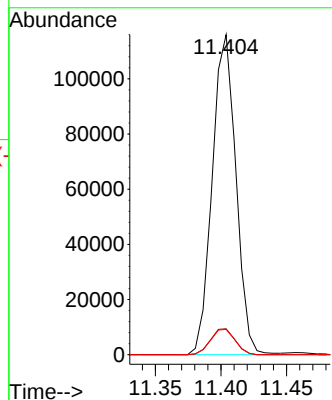
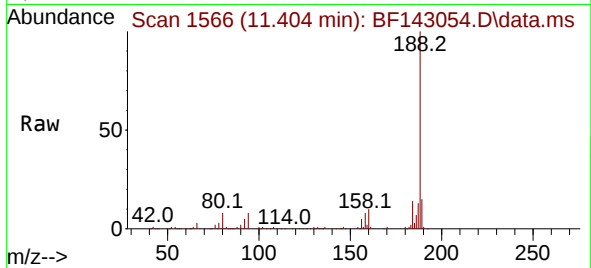




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143054.D
Acq: 09 Jul 2025 13:57

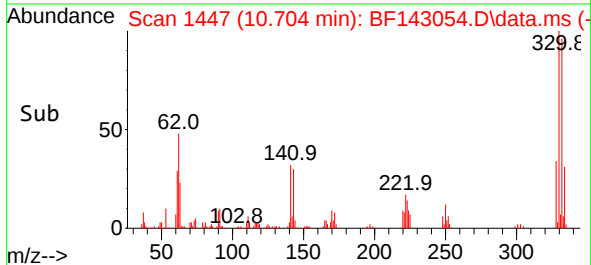
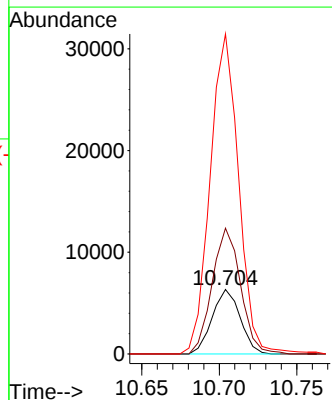
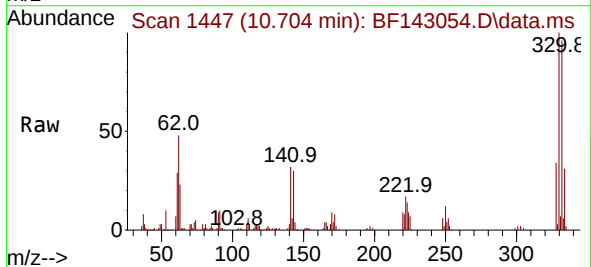
Instrument :
BNA_F
ClientSampleId :
G1(0-6)

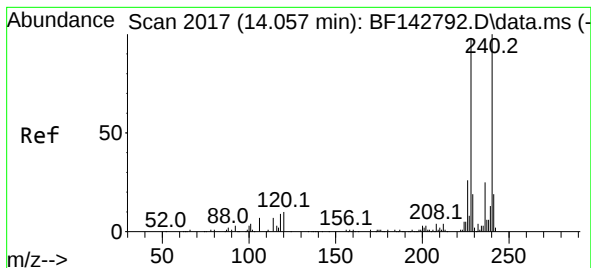
Tgt Ion:188 Resp: 145846
Ion Ratio Lower Upper
188 100
94 8.1 6.7 10.1
80 7.9 6.9 10.3



#67
4-Bromophenyl-phenylether
Concen: 4.790 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.253 min
Lab File: BF143054.D
Acq: 09 Jul 2025 13:57

Tgt Ion:248 Resp: 7951
Ion Ratio Lower Upper
248 100
250 195.1 79.8 119.8#
141 496.3 57.8 86.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143054.D

Acq: 09 Jul 2025 13:57

Instrument :

BNA_F

ClientSampleId :

G1(0-6)

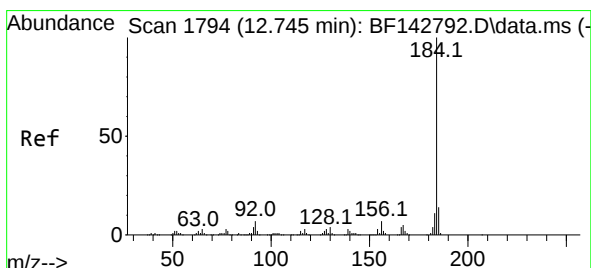
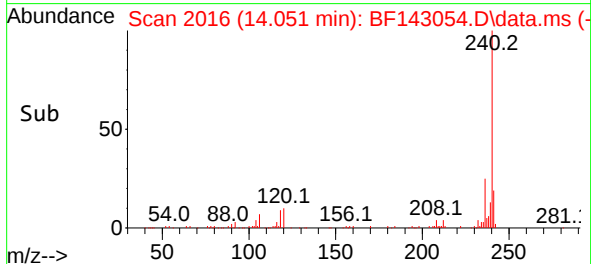
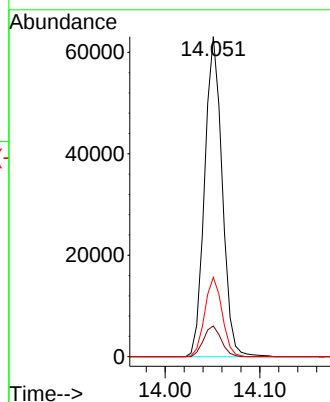
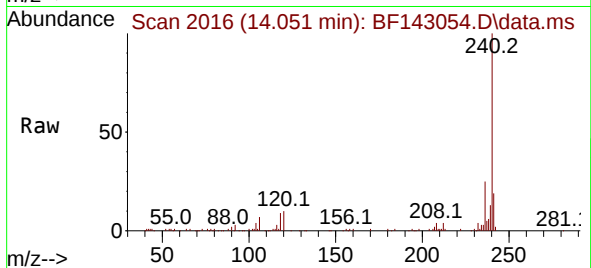
Tgt Ion:240 Resp: 81059

Ion Ratio Lower Upper

240 100

120 9.6 8.2 12.2

236 24.8 19.8 29.8



#77

Benzidine

Concen: 2.061 ng

RT: 12.986 min Scan# 1835

Delta R.T. 0.241 min

Lab File: BF143054.D

Acq: 09 Jul 2025 13:57

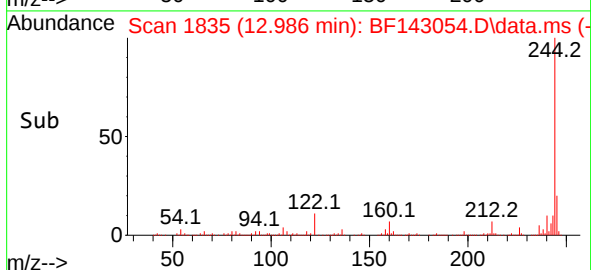
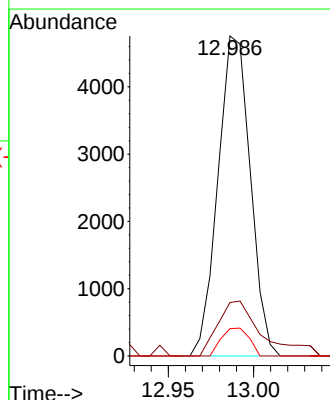
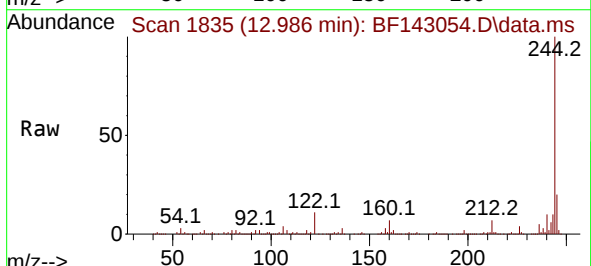
Tgt Ion:184 Resp: 6278

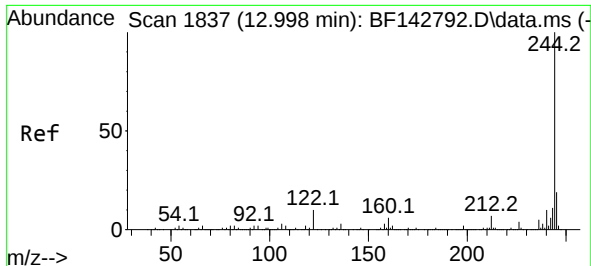
Ion Ratio Lower Upper

184 100

185 16.7 11.5 17.3

183 8.5 9.0 13.4#

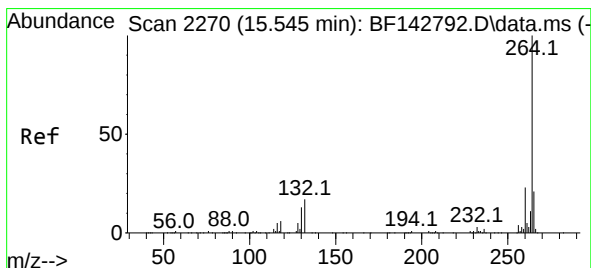
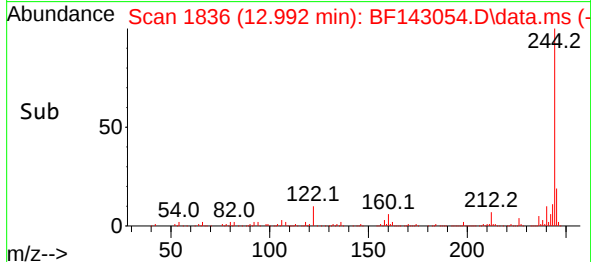
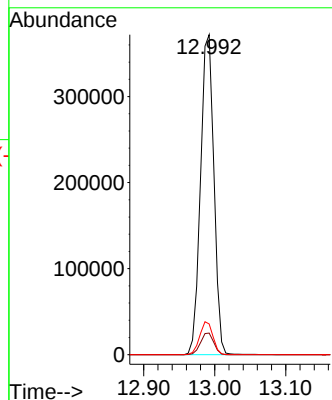
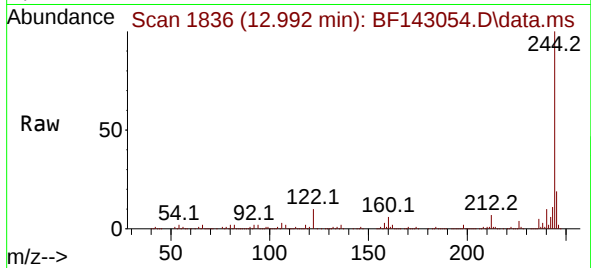




#79
 Terphenyl-d14
 Concen: 83.260 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF143054.D
 Acq: 09 Jul 2025 13:57

Instrument :
 BNA_F
 ClientSampleId :
 G1(0-6)

Tgt Ion:244 Resp: 488454
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 9.6 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 2270
 Delta R.T. 0.000 min
 Lab File: BF143054.D
 Acq: 09 Jul 2025 13:57

Tgt Ion:264 Resp: 94524
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.1 27.1
 265 21.8 16.6 25.0

