

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
 Data File : BF144042.D
 Acq On : 22 Oct 2025 15:20
 Operator : RC/JU
 Sample : Q3392-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-19RE

Quant Time: Oct 22 15:46:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

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

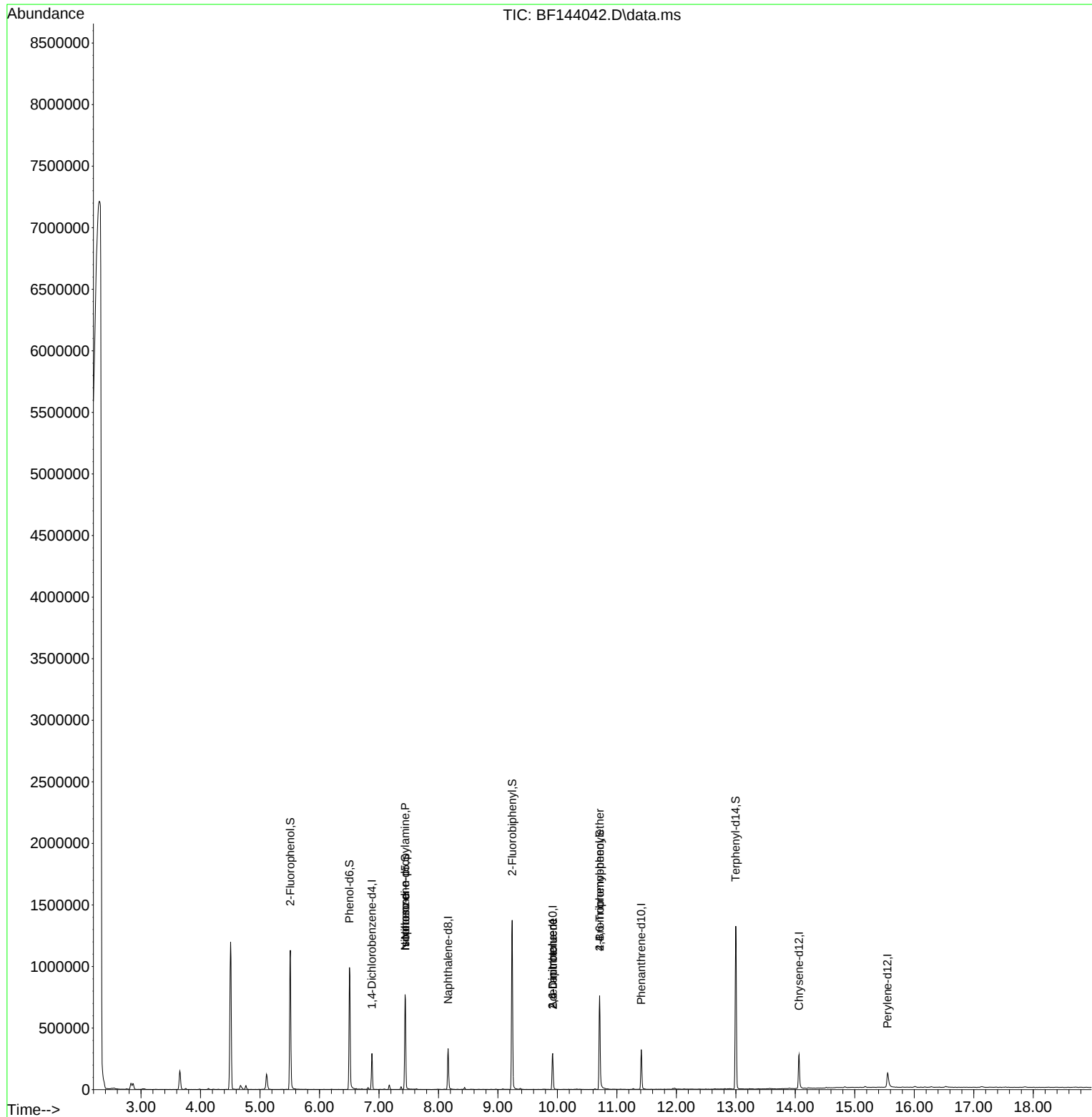
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	58721	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	217059	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	88039	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	181343	20.000	ng	0.00
76) Chrysene-d12	14.062	240	145175	20.000	ng	0.00
86) Perylene-d12	15.551	264	71262	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	440821	119.211	ng	0.01
7) Phenol-d6	6.504	99	410701	93.179	ng	-0.01
23) Nitrobenzene-d5	7.439	82	327385	91.635	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	159288	181.652	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	660382	119.022	ng	-0.01
79) Terphenyl-d14	12.998	244	687037	80.882	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	48483	16.070	ng	# 81
25) Isophorone	7.439	82	290852	38.609	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	10793	10.411	ng	# 26
57) 2,4-Dinitrotoluene	9.922	165	10793	7.651	ng	# 27
67) 4-Bromophenyl-phenylether	10.710	248	9293	4.637	ng	# 1

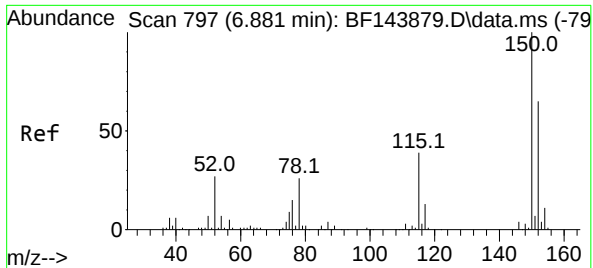
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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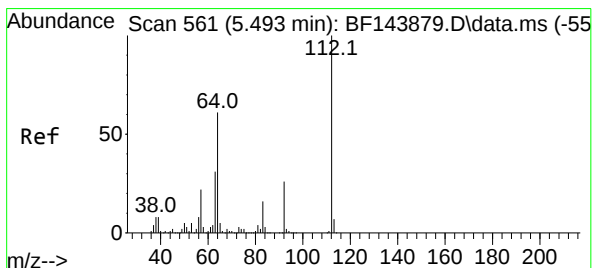
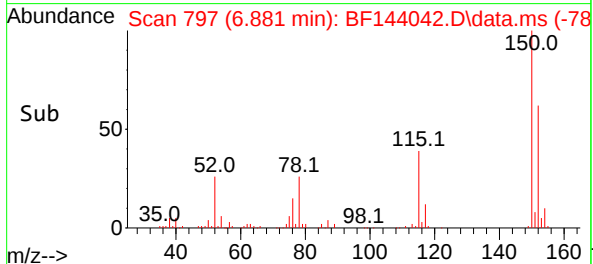
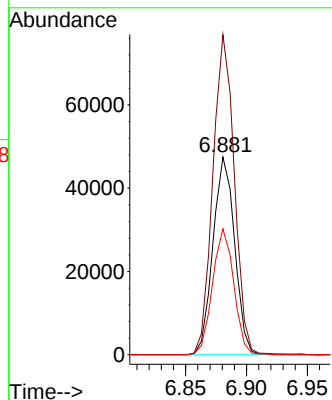
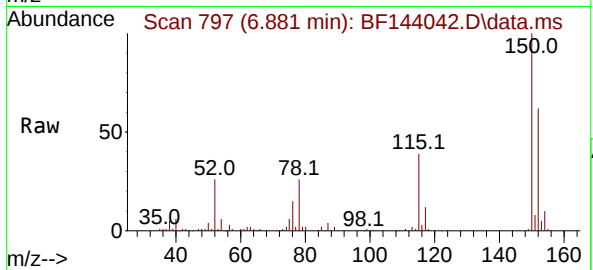




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 79
 Delta R.T. -0.005 min
 Lab File: BF144042.D
 Acq: 22 Oct 2025 15:20

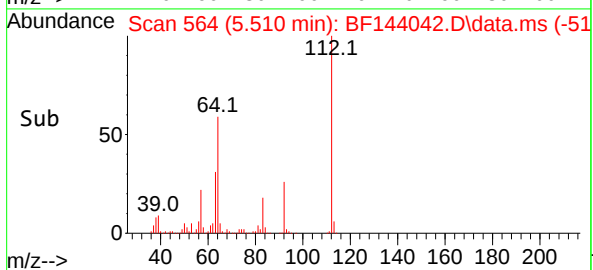
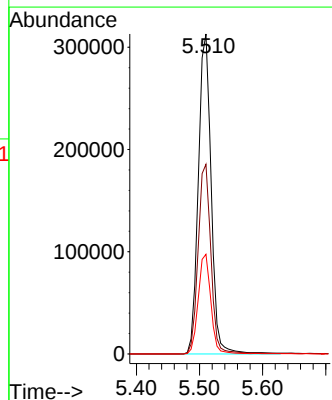
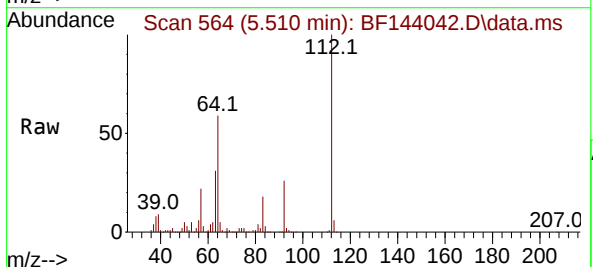
Instrument :
 BNA_F
 ClientSampleId :
 MH-19RE

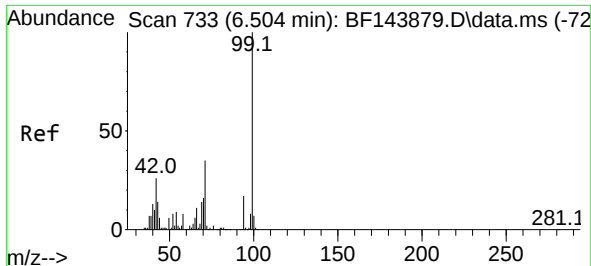
Tgt Ion:152 Resp: 58721
 Ion Ratio Lower Upper
 152 100
 150 162.0 124.4 186.6
 115 63.8 48.1 72.1



#5
 2-Fluorophenol
 Concen: 119.211 ng
 RT: 5.510 min Scan# 564
 Delta R.T. 0.012 min
 Lab File: BF144042.D
 Acq: 22 Oct 2025 15:20

Tgt Ion:112 Resp: 440821
 Ion Ratio Lower Upper
 112 100
 64 59.2 49.1 73.7
 63 31.1 24.5 36.7

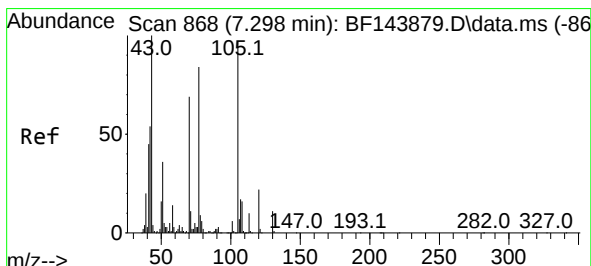
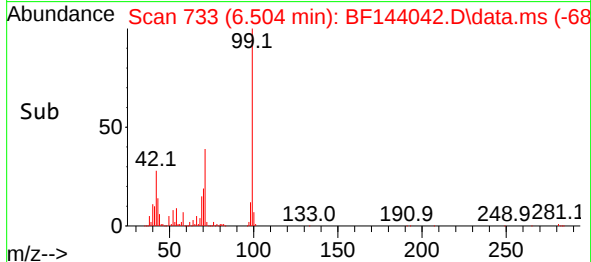
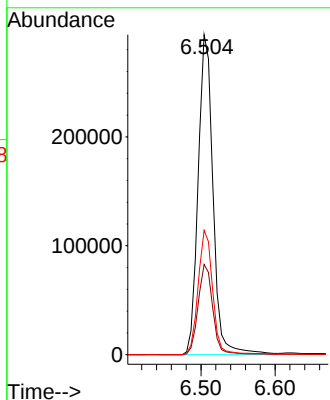
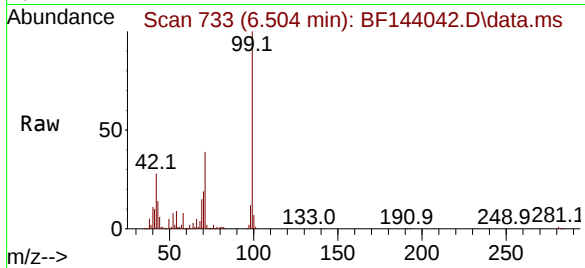




#7
Phenol-d6
Concen: 93.179 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF144042.D
Acq: 22 Oct 2025 15:20

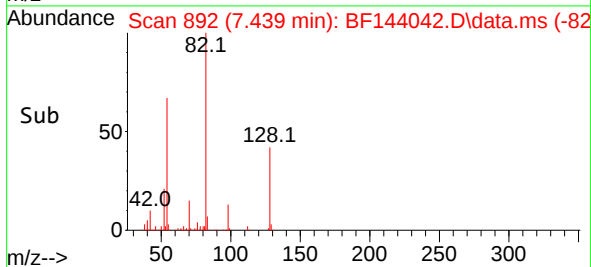
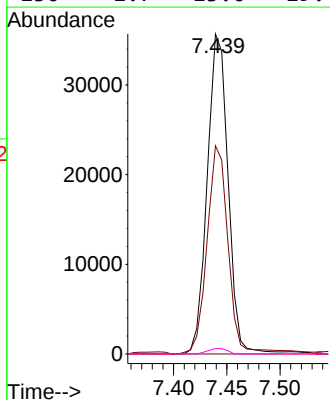
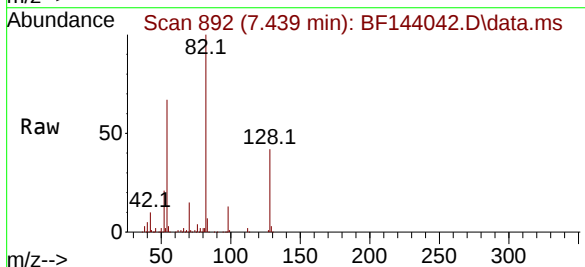
Instrument :
BNA_F
ClientSampleId :
MH-19RE

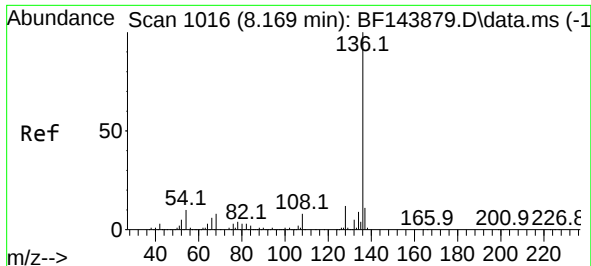
Tgt Ion: 99 Resp: 410701
Ion Ratio Lower Upper
99 100
42 28.2 21.0 31.4
71 38.8 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 16.070 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.123 min
Lab File: BF144042.D
Acq: 22 Oct 2025 15:20

Tgt Ion: 70 Resp: 48483
Ion Ratio Lower Upper
70 100
42 65.1 62.8 94.2
101 0.0 6.7 10.1#
130 1.7 13.0 19.4#



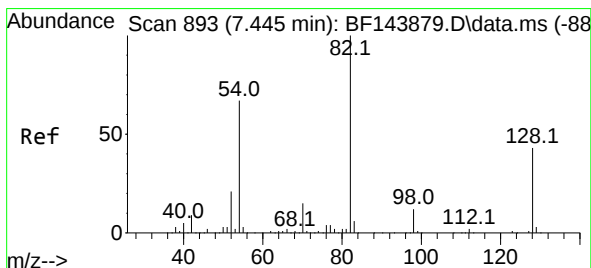
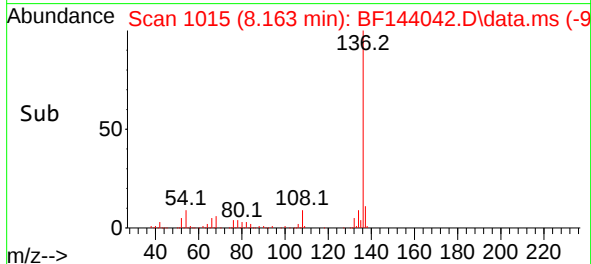
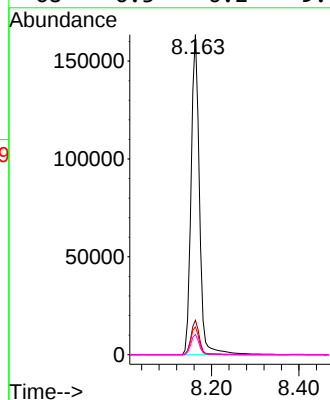
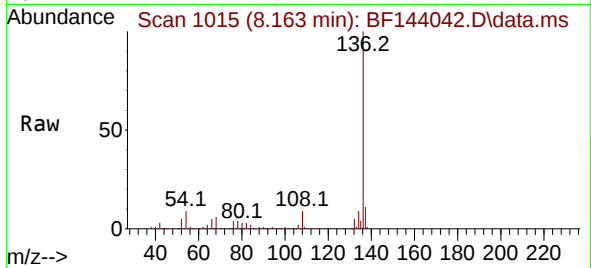


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF144042.D
Acq: 22 Oct 2025 15:20

Instrument :
BNA_F
ClientSampleId :
MH-19RE

Tgt Ion:136 Resp: 217059

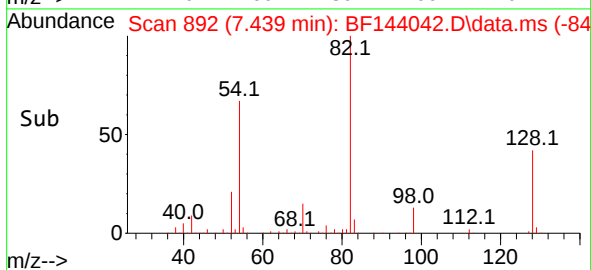
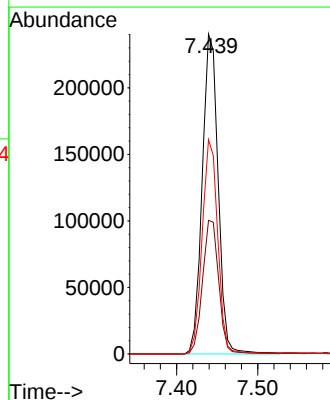
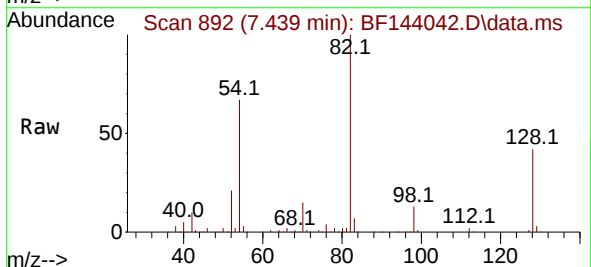
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	8.7	8.2	12.4
68	6.3	6.2	9.4

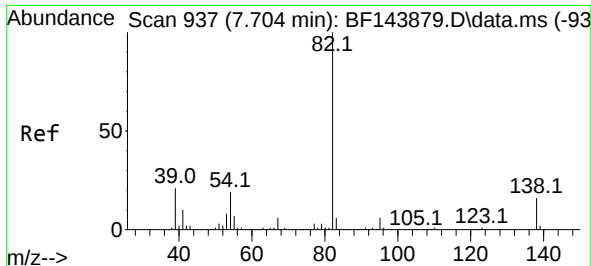


#23
Nitrobenzene-d5
Concen: 91.635 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.018 min
Lab File: BF144042.D
Acq: 22 Oct 2025 15:20

Tgt Ion: 82 Resp: 327385

Ion	Ratio	Lower	Upper
82	100		
128	41.8	34.0	51.0
54	67.0	53.2	79.8

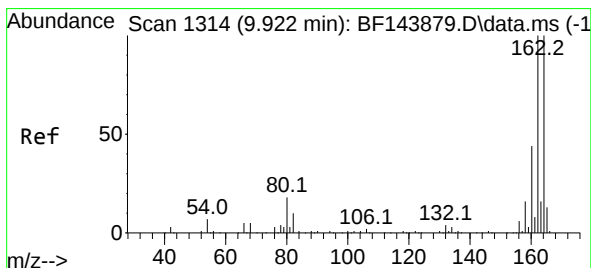
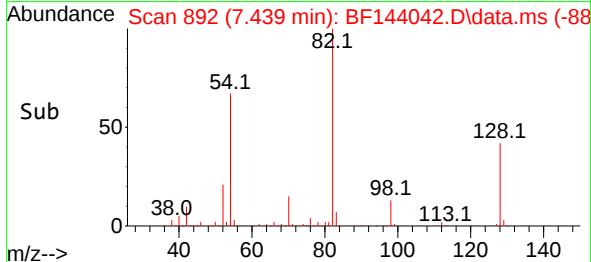
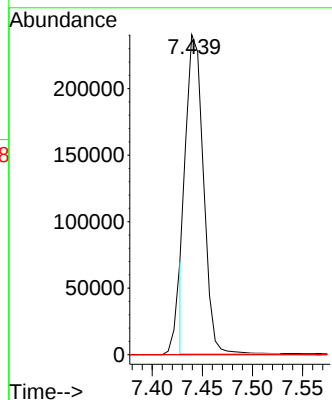
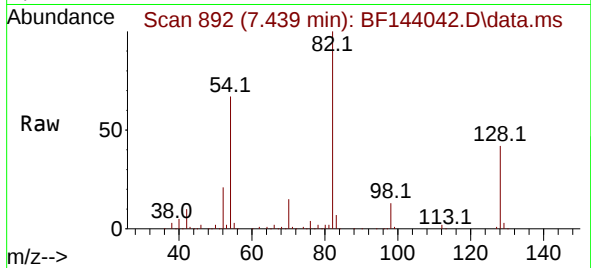




#25
Isophorone
Concen: 38.609 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.282 min
Lab File: BF144042.D
Acq: 22 Oct 2025 15:20

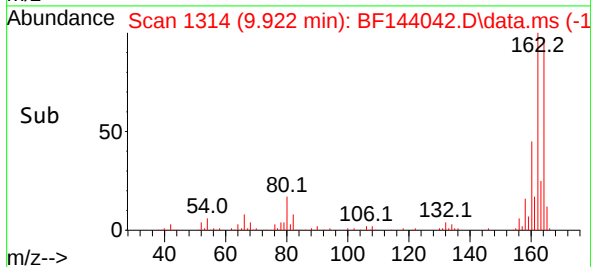
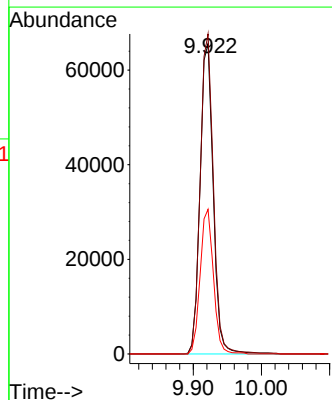
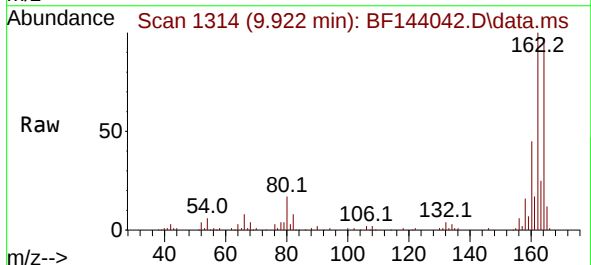
Instrument :
BNA_F
ClientSampleId :
MH-19RE

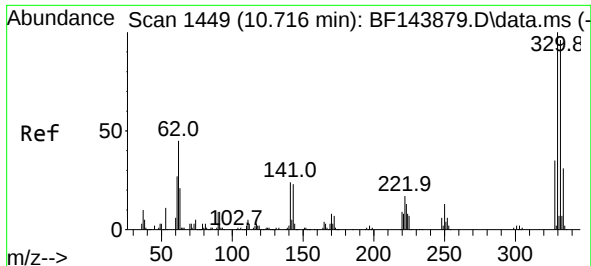
Tgt Ion: 82 Resp: 290852
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF144042.D
Acq: 22 Oct 2025 15:20

Tgt Ion:164 Resp: 88039
Ion Ratio Lower Upper
164 100
162 103.1 80.2 120.2
160 46.6 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 181.652 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF144042.D

Acq: 22 Oct 2025 15:20

Instrument :

BNA_F

ClientSampleId :

MH-19RE

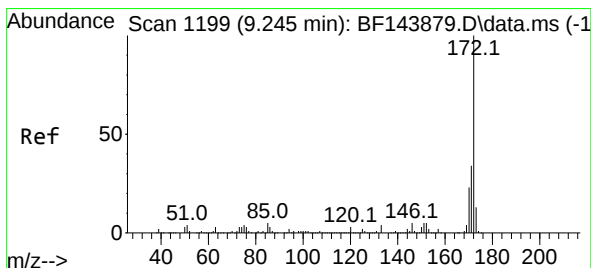
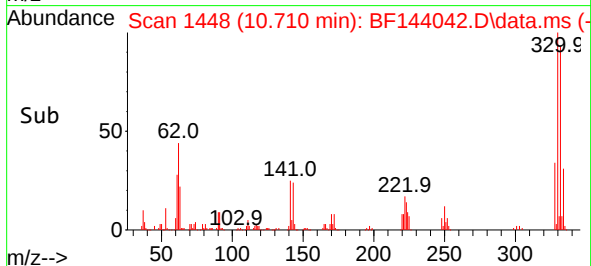
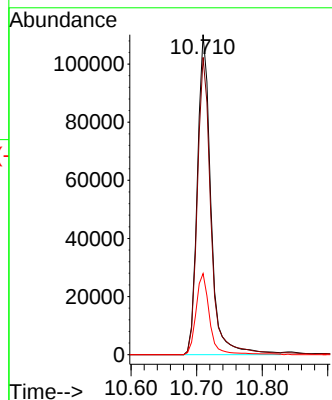
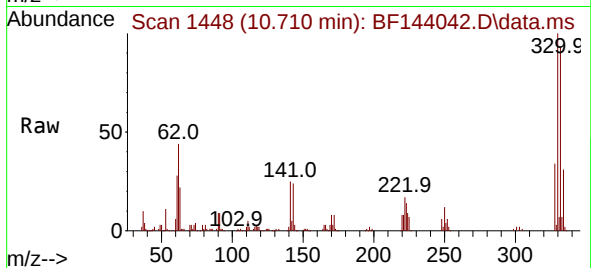
Tgt Ion:330 Resp: 159288

Ion Ratio Lower Upper

330 100

332 93.1 76.9 115.3

141 25.4 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 119.022 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF144042.D

Acq: 22 Oct 2025 15:20

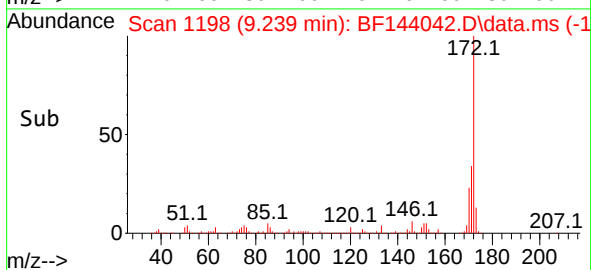
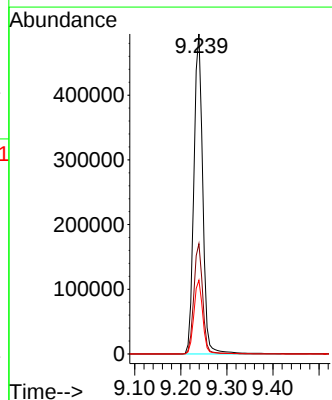
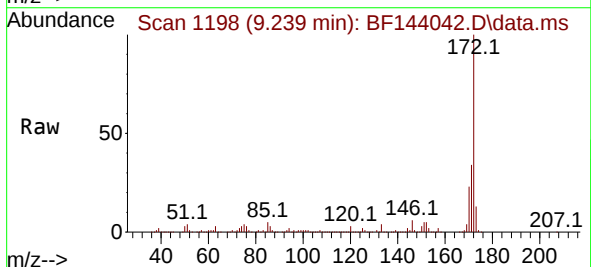
Tgt Ion:172 Resp: 660382

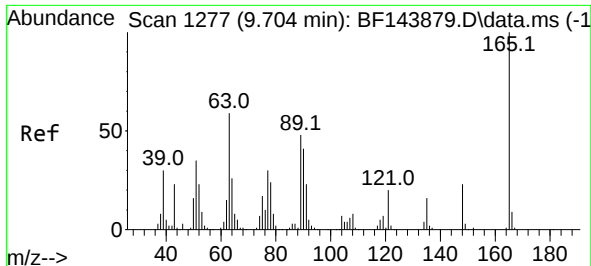
Ion Ratio Lower Upper

172 100

171 34.4 27.4 41.0

170 23.1 18.6 28.0

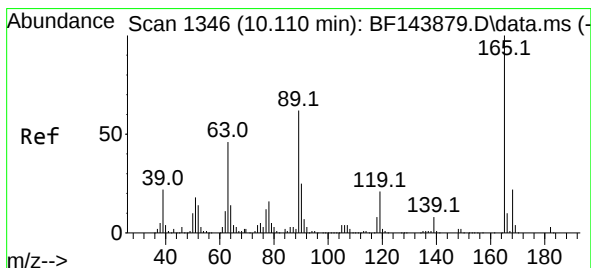
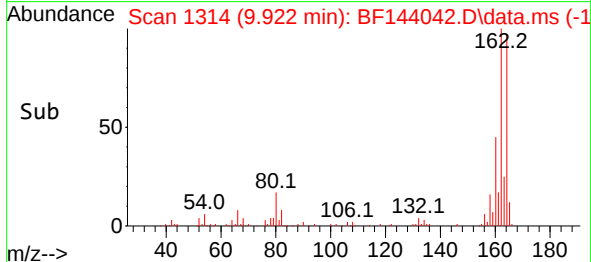
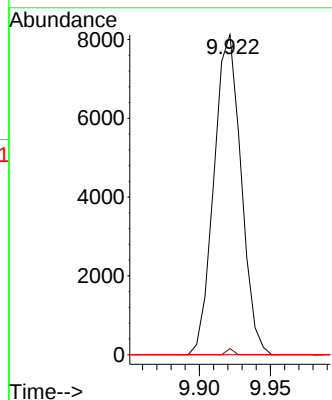
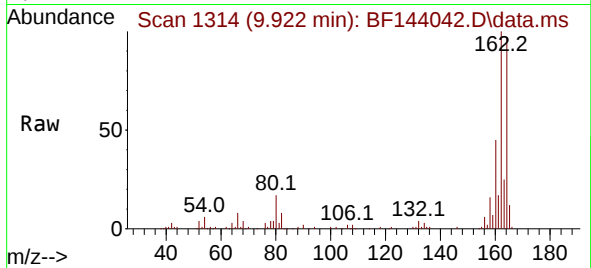




#51
2,6-Dinitrotoluene
Concen: 10.411 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF144042.D
Acq: 22 Oct 2025 15:20

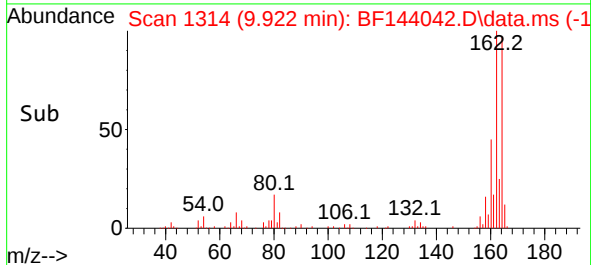
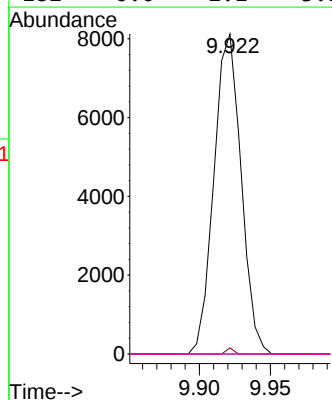
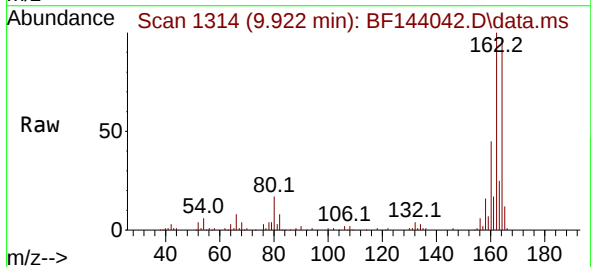
Instrument :
BNA_F
ClientSampleId :
MH-19RE

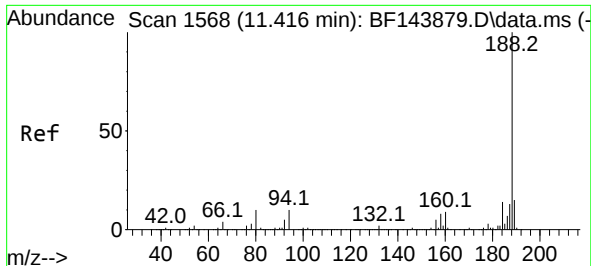
Tgt Ion:165 Resp: 10793
Ion Ratio Lower Upper
165 100
63 1.9 47.3 70.9#
89 0.0 38.2 57.4#



#57
2,4-Dinitrotoluene
Concen: 7.651 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.194 min
Lab File: BF144042.D
Acq: 22 Oct 2025 15:20

Tgt Ion:165 Resp: 10793
Ion Ratio Lower Upper
165 100
63 1.9 37.2 55.8#
89 0.0 49.4 74.2#
182 0.0 2.1 3.1#

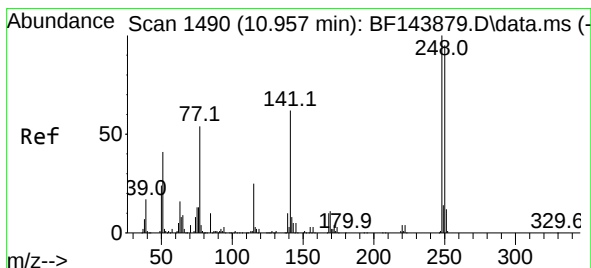
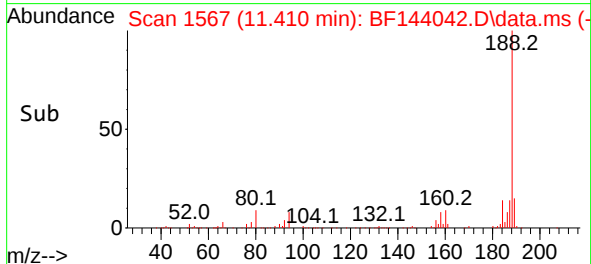
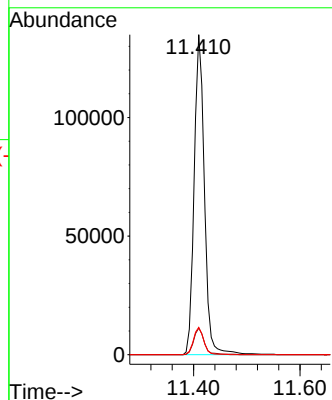
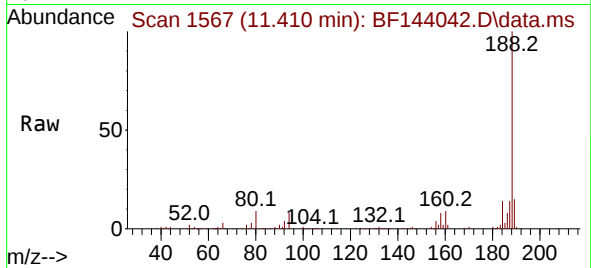




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144042.D
Acq: 22 Oct 2025 15:20

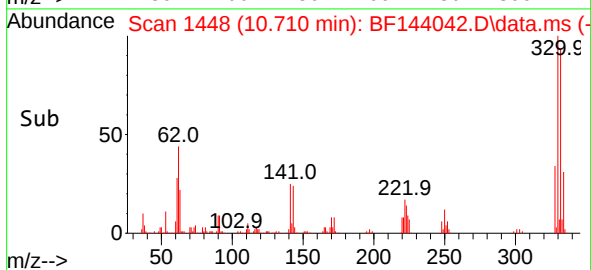
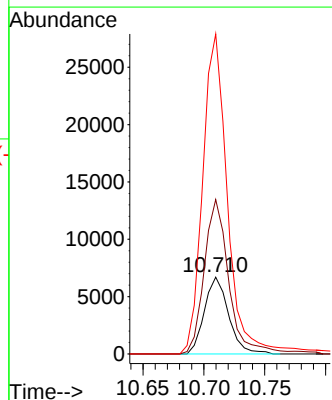
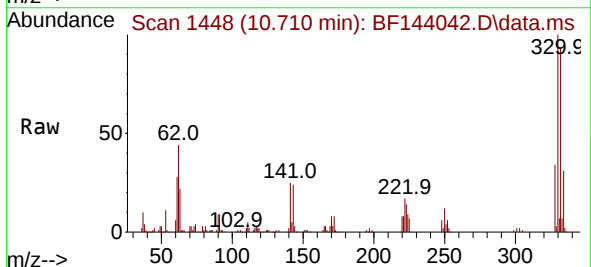
Instrument :
BNA_F
ClientSampleId :
MH-19RE

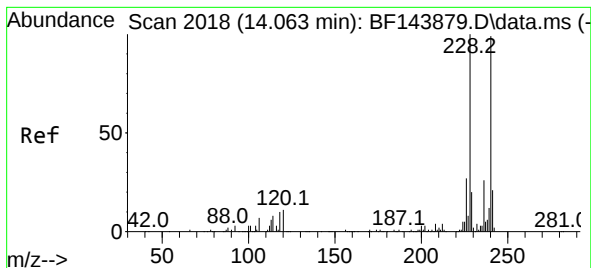
Tgt Ion:188 Resp: 181343
Ion Ratio Lower Upper
188 100
94 8.3 7.8 11.6
80 8.5 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 4.637 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.253 min
Lab File: BF144042.D
Acq: 22 Oct 2025 15:20

Tgt Ion:248 Resp: 9293
Ion Ratio Lower Upper
248 100
250 201.0 76.3 114.5#
141 416.5 49.7 74.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.062 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF144042.D

Acq: 22 Oct 2025 15:20

Instrument :

BNA_F

ClientSampleId :

MH-19RE

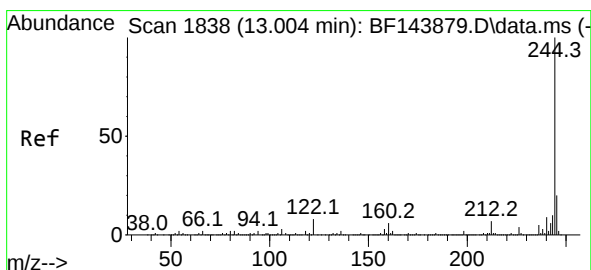
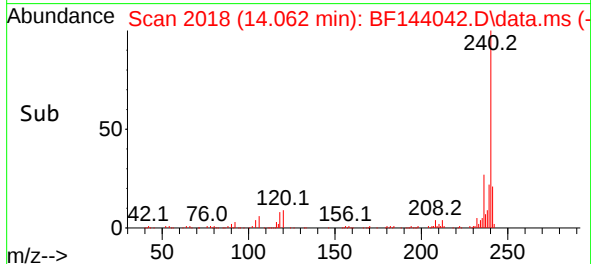
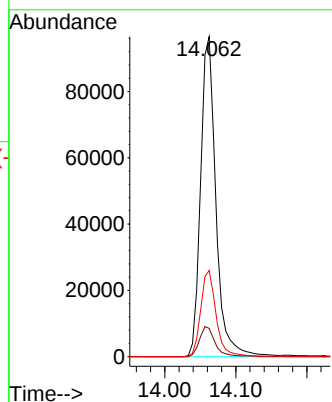
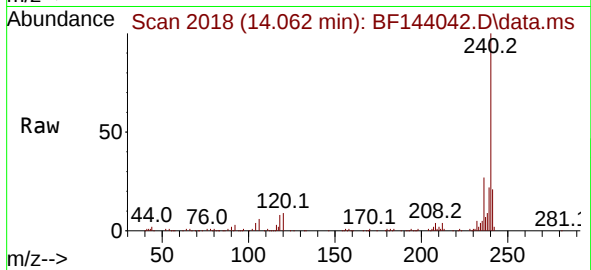
Tgt Ion:240 Resp: 145175

Ion Ratio Lower Upper

240 100

120 8.9 8.6 13.0

236 26.9 21.1 31.7



#79

Terphenyl-d14

Concen: 80.882 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.012 min

Lab File: BF144042.D

Acq: 22 Oct 2025 15:20

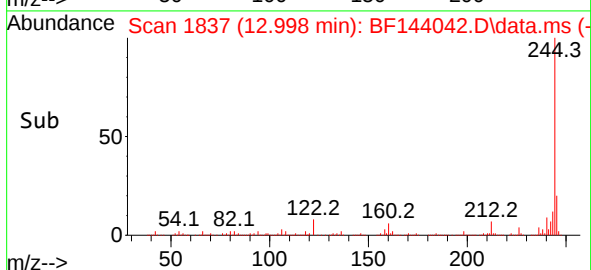
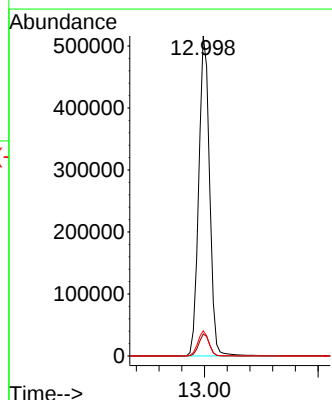
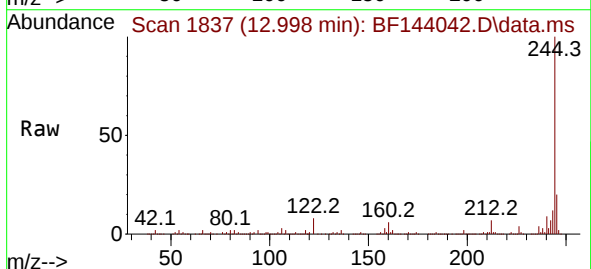
Tgt Ion:244 Resp: 687037

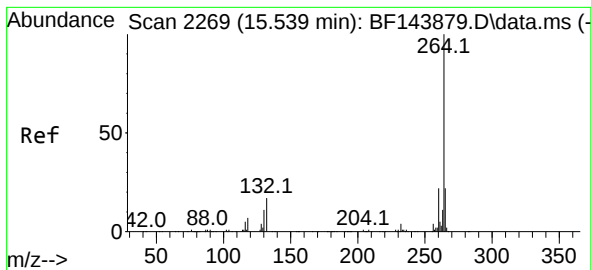
Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 7.9 6.4 9.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.551 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF144042.D
 Acq: 22 Oct 2025 15:20

Instrument :
 BNA_F
 ClientSampleId :
 MH-19RE

Tgt Ion:264 Resp: 71262
 Ion Ratio Lower Upper
 264 100
 260 26.9 17.8 26.8#
 265 20.8 17.5 26.3

