

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
 Data File : BF144075.D
 Acq On : 27 Oct 2025 10:57
 Operator : RC/JU
 Sample : PB170206BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB170206BL

Quant Time: Oct 27 11:41:18 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 17:30:25 2025
 Response via : Initial Calibration

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

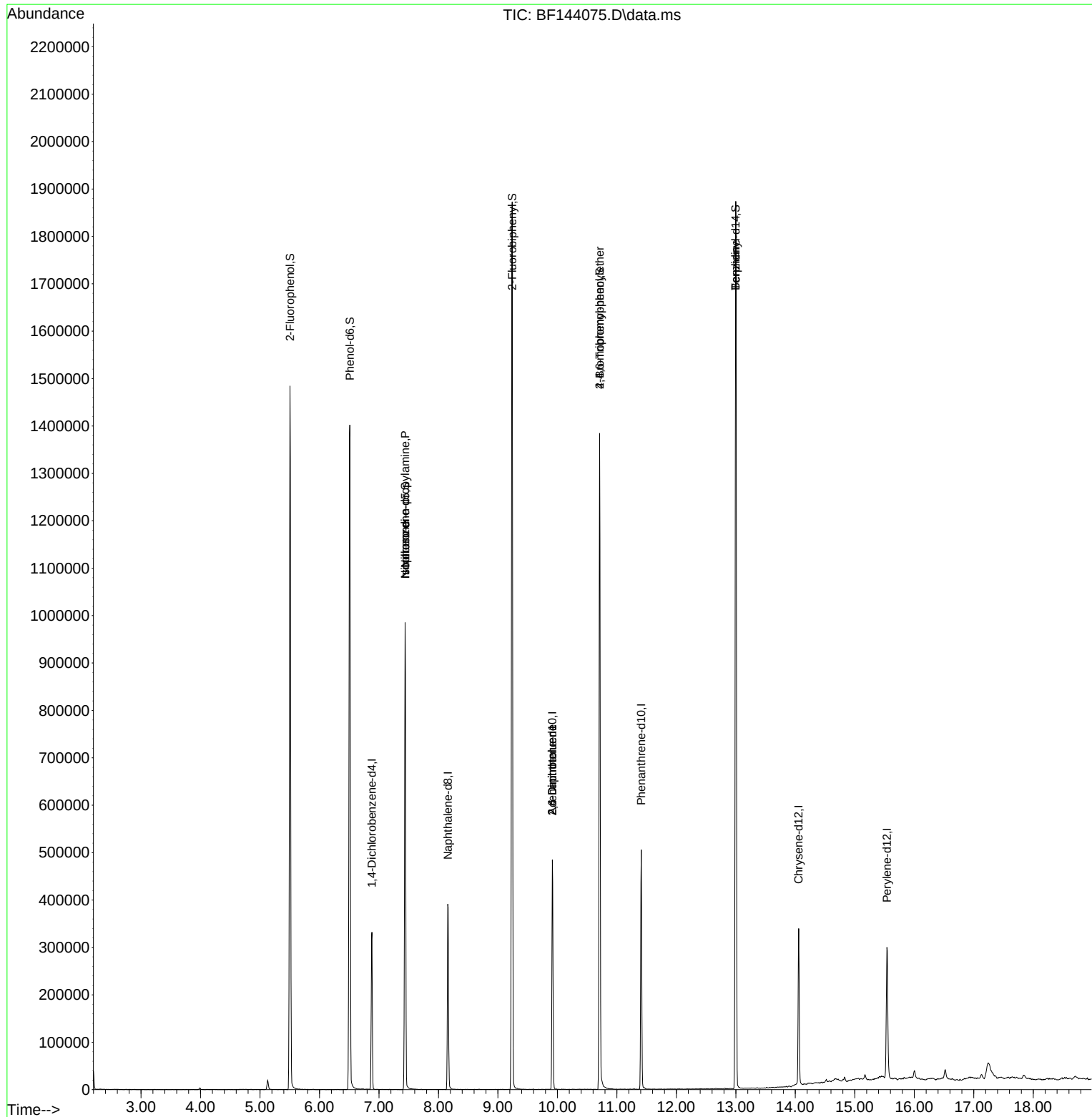
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	68934	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	265265	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	152247	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	283532	20.000	ng	0.00
76) Chrysene-d12	14.057	240	170424	20.000	ng	0.00
86) Perylene-d12	15.539	264	194021	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	546480	125.423	ng	0.01
7) Phenol-d6	6.510	99	621663	129.191	ng	0.00
23) Nitrobenzene-d5	7.440	82	419701	86.684	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	295457	152.350	ng	0.00
45) 2-Fluorobiphenyl	9.240	172	915894	84.656	ng	0.00
79) Terphenyl-d14	12.998	244	1023205	104.961	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.440	70	66217	21.280	ng	Qvalue
25) Isophorone	7.440	82	419697	49.581	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	19699	9.985	ng	# 22
57) 2,4-Dinitrotoluene	9.916	165	19699	7.398	ng	# 25
67) 4-Bromophenyl-phenylether	10.710	248	15887	4.475	ng	# 1
77) Benzidine	12.998	184	12427	2.343	ng	# 93

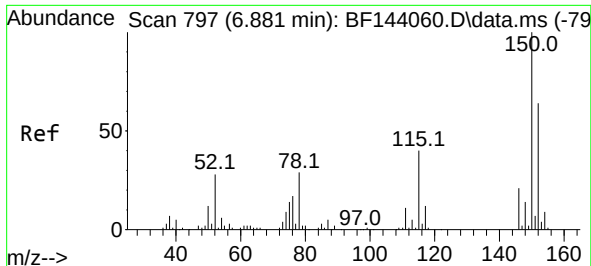
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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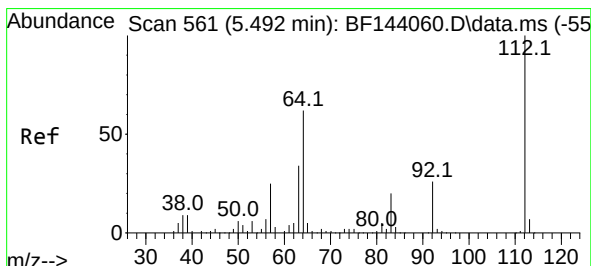
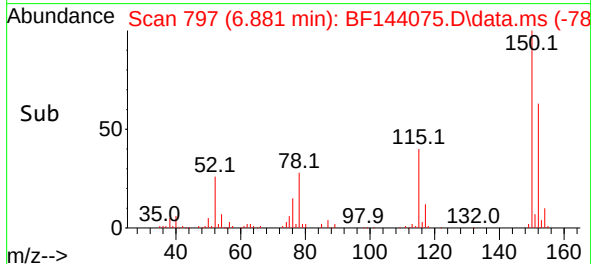
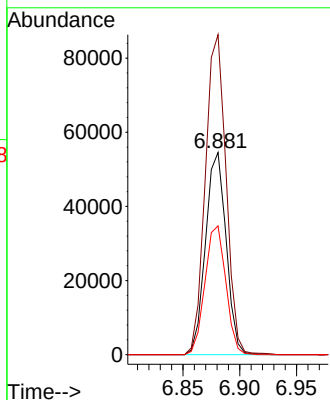
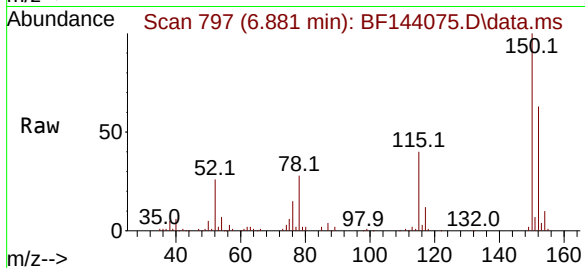




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 797
 Delta R.T. -0.000 min
 Lab File: BF144075.D
 Acq: 27 Oct 2025 10:57

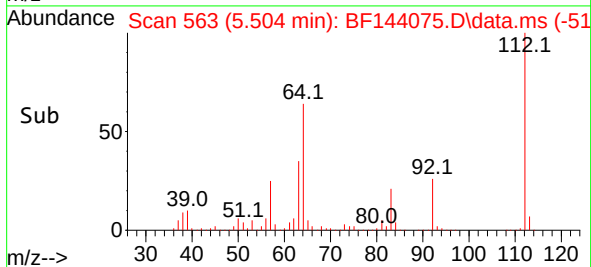
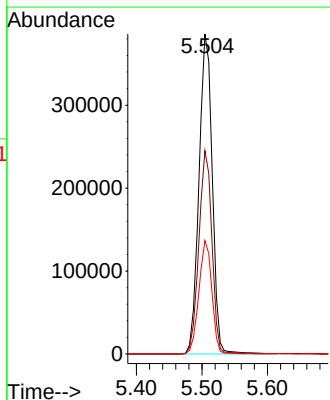
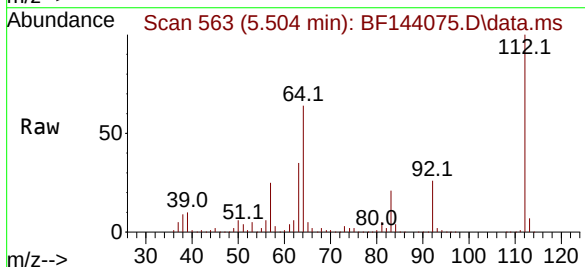
Instrument :
 BNA_F
 ClientSampleId :
 PB170206BL

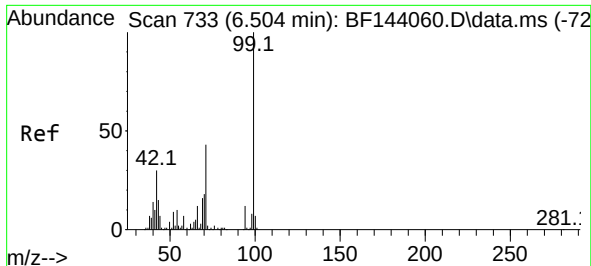
Tgt Ion:152 Resp: 68934
 Ion Ratio Lower Upper
 152 100
 150 158.3 124.4 186.6
 115 63.7 49.4 74.0



#5
 2-Fluorophenol
 Concen: 125.423 ng
 RT: 5.504 min Scan# 563
 Delta R.T. 0.012 min
 Lab File: BF144075.D
 Acq: 27 Oct 2025 10:57

Tgt Ion:112 Resp: 546480
 Ion Ratio Lower Upper
 112 100
 64 63.5 49.8 74.8
 63 35.4 27.4 41.2

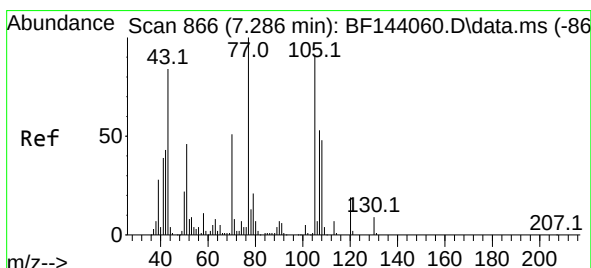
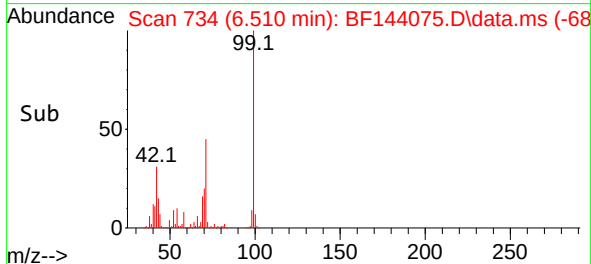
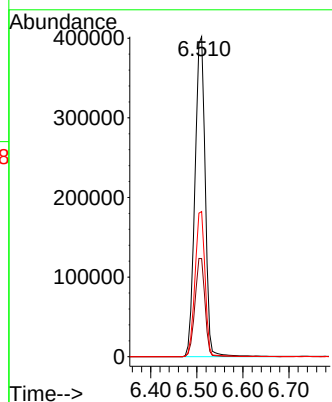
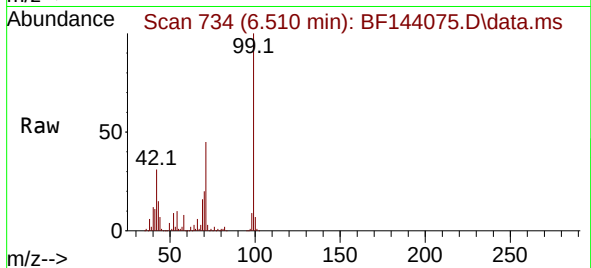




#7
Phenol-d6
Concen: 129.191 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF144075.D
Acq: 27 Oct 2025 10:57

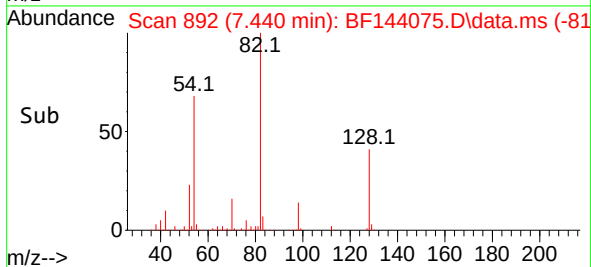
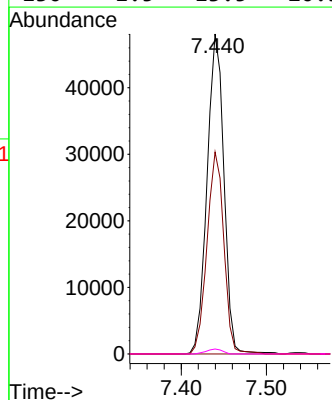
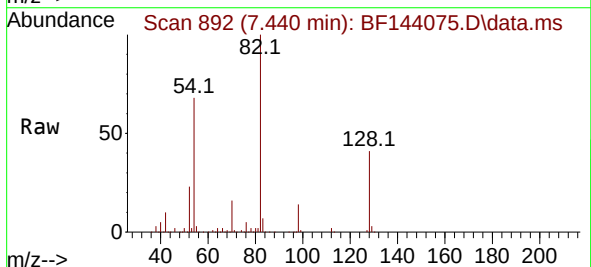
Instrument :
BNA_F
ClientSampleId :
PB170206BL

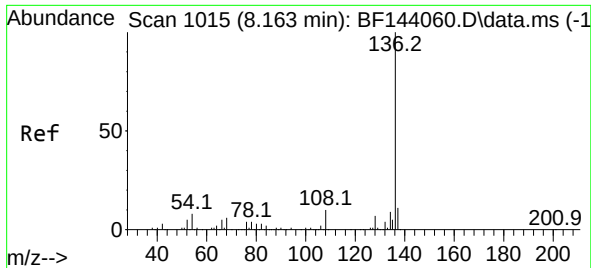
Tgt Ion: 99 Resp: 621663
Ion Ratio Lower Upper
99 100
42 30.7 23.9 35.9
71 45.3 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 21.280 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.153 min
Lab File: BF144075.D
Acq: 27 Oct 2025 10:57

Tgt Ion: 70 Resp: 66217
Ion Ratio Lower Upper
70 100
42 63.1 67.4 101.0#
101 0.0 7.1 10.7#
130 1.5 13.5 20.3#



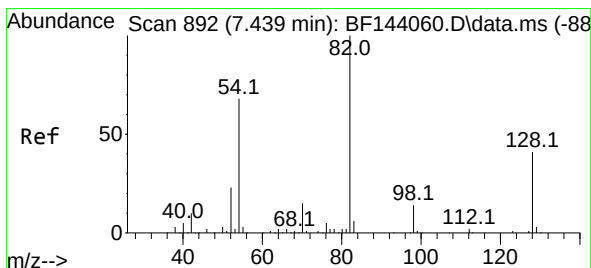
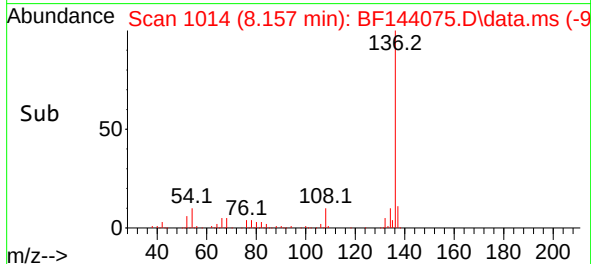
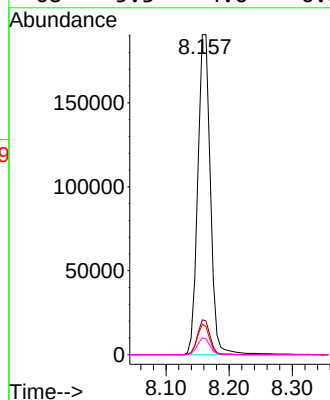
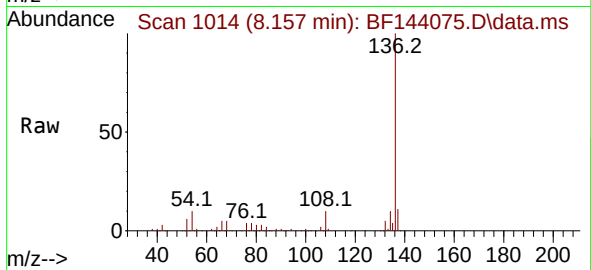


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF144075.D
Acq: 27 Oct 2025 10:57

Instrument :
BNA_F
ClientSampleId :
PB170206BL

Tgt Ion:136 Resp: 265265

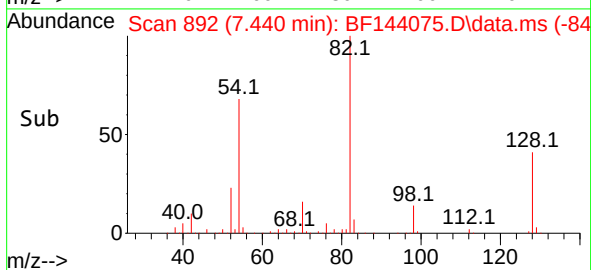
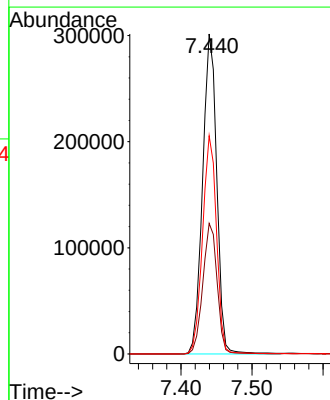
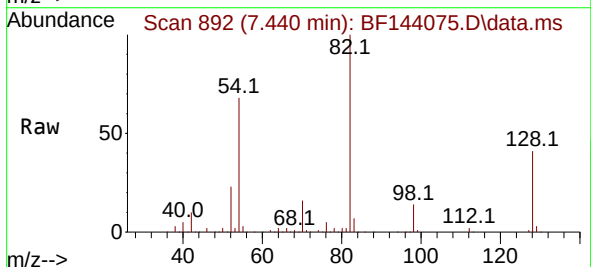
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.5	6.6	9.8
68	5.3	4.6	6.8

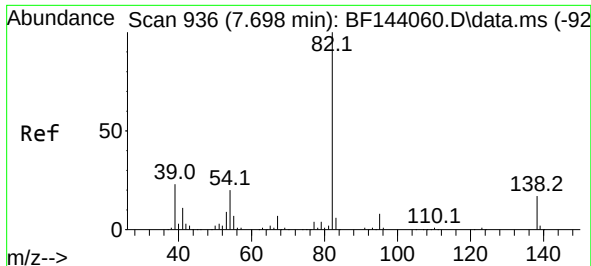


#23
Nitrobenzene-d5
Concen: 86.684 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF144075.D
Acq: 27 Oct 2025 10:57

Tgt Ion: 82 Resp: 419701

Ion	Ratio	Lower	Upper
82	100		
128	40.8	32.4	48.6
54	68.2	54.0	81.0

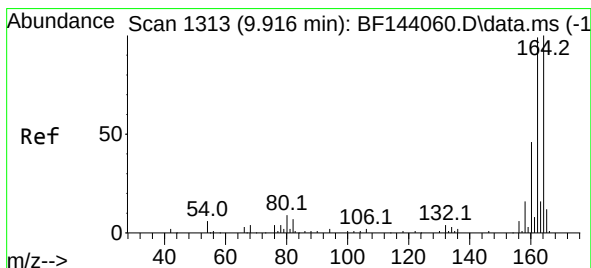
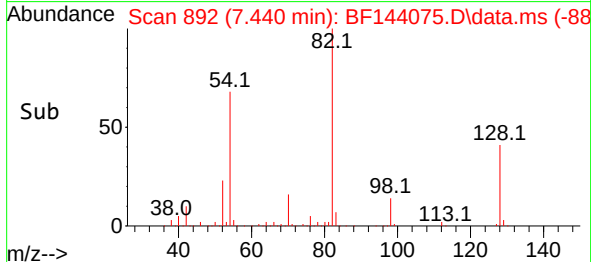
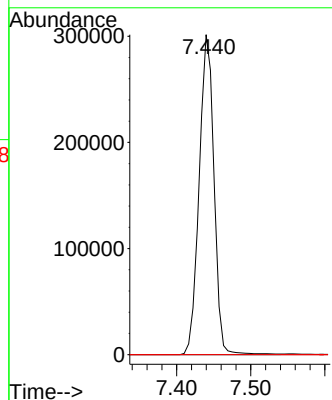
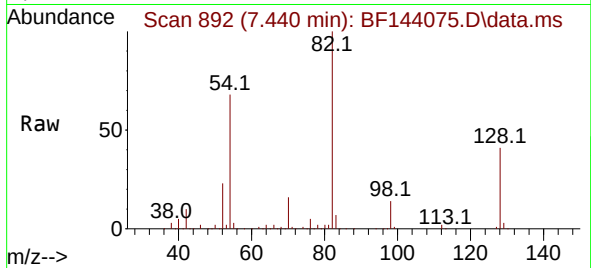




#25
Isophorone
Concen: 49.581 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.259 min
Lab File: BF144075.D
Acq: 27 Oct 2025 10:57

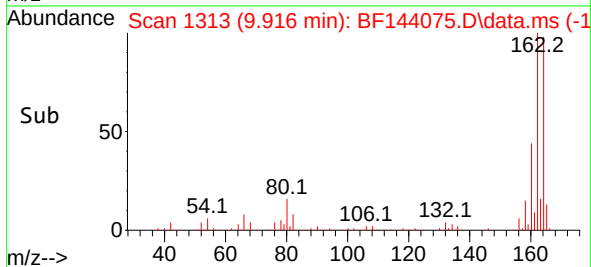
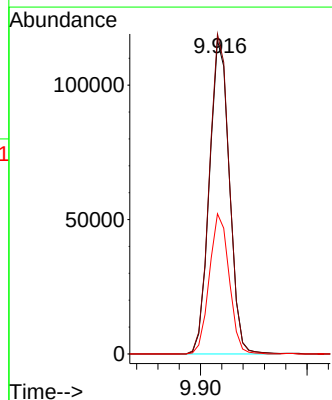
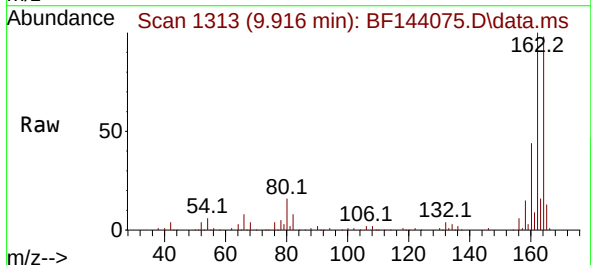
Instrument :
BNA_F
ClientSampleId :
PB170206BL

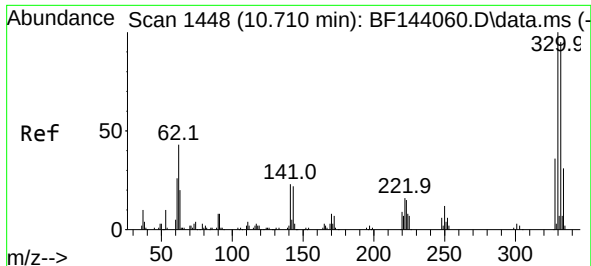
Tgt Ion: 82 Resp: 419697
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144075.D
Acq: 27 Oct 2025 10:57

Tgt Ion:164 Resp: 152247
Ion Ratio Lower Upper
164 100
162 102.0 79.4 119.2
160 44.7 36.7 55.1

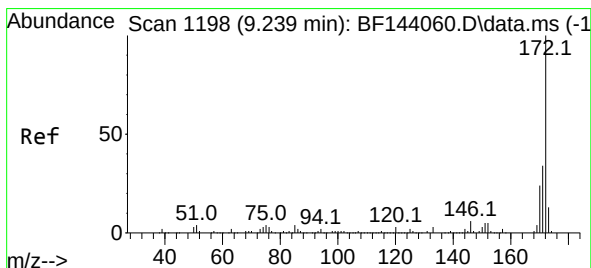
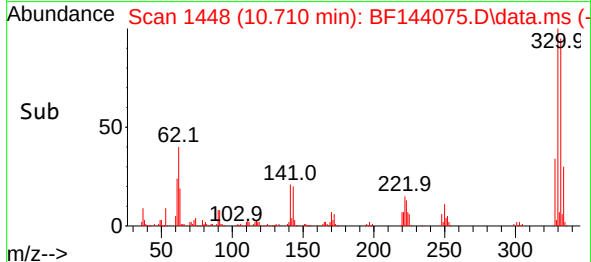
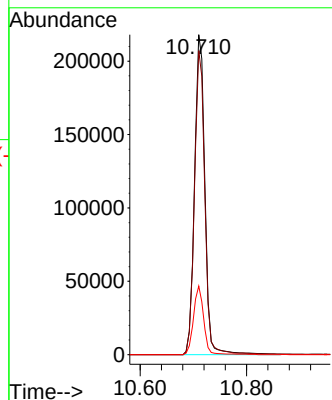
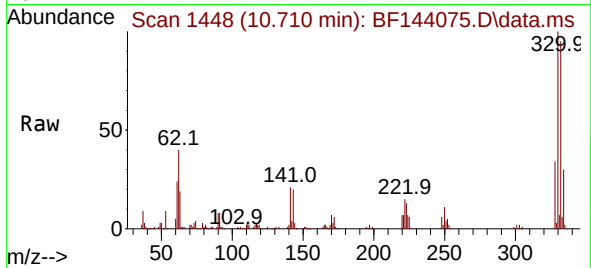




#42
 2,4,6-Tribromophenol
 Concen: 152.350 ng
 RT: 10.710 min Scan# 1448
 Delta R.T. 0.000 min
 Lab File: BF144075.D
 Acq: 27 Oct 2025 10:57

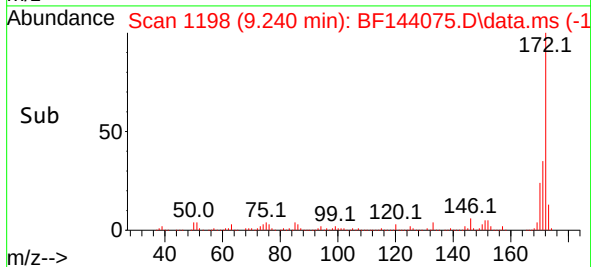
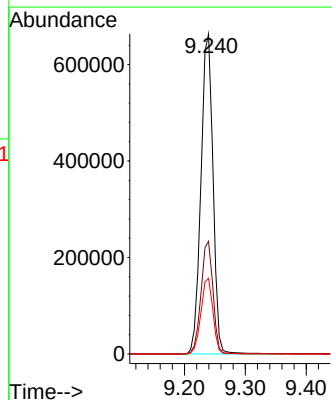
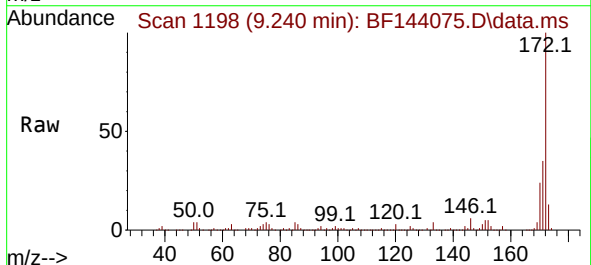
Instrument :
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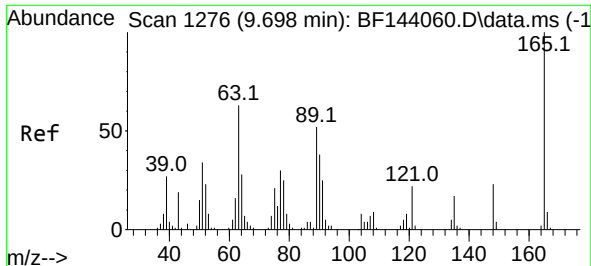
Tgt Ion:330 Resp: 295457
 Ion Ratio Lower Upper
 330 100
 332 94.9 77.0 115.6
 141 21.2 19.4 29.0



#45
 2-Fluorobiphenyl
 Concen: 84.656 ng
 RT: 9.240 min Scan# 1198
 Delta R.T. 0.000 min
 Lab File: BF144075.D
 Acq: 27 Oct 2025 10:57

Tgt Ion:172 Resp: 915894
 Ion Ratio Lower Upper
 172 100
 171 35.2 27.5 41.3
 170 23.6 19.0 28.6

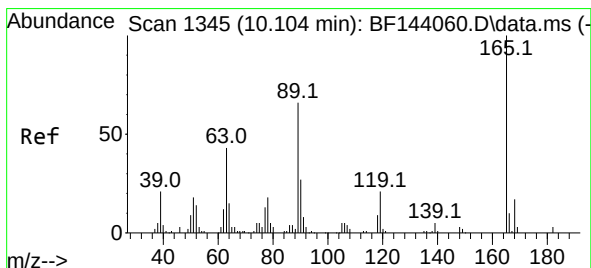
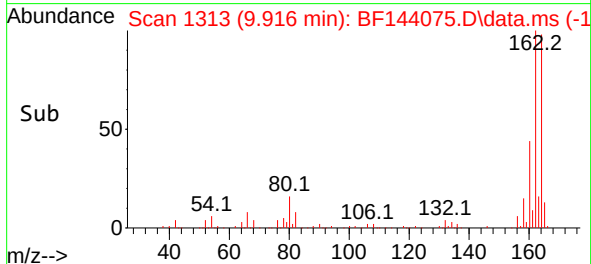
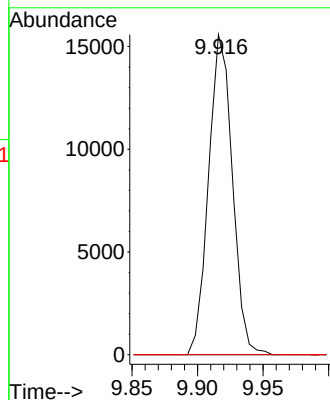
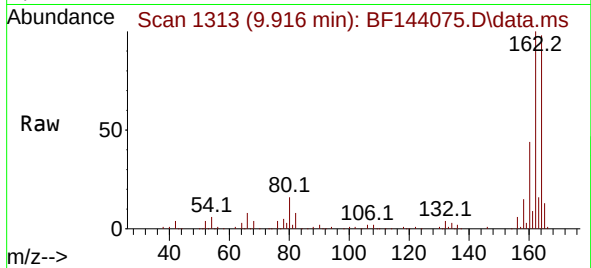




#51
2,6-Dinitrotoluene
Concen: 9.985 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF144075.D
Acq: 27 Oct 2025 10:57

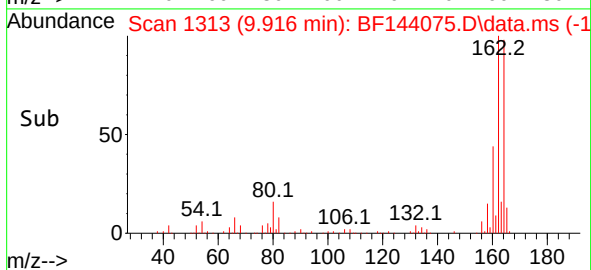
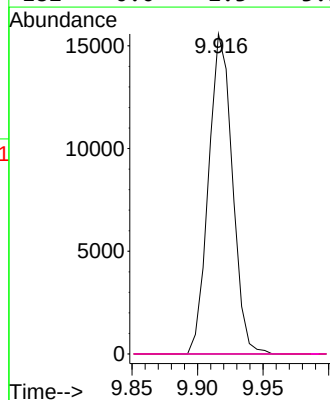
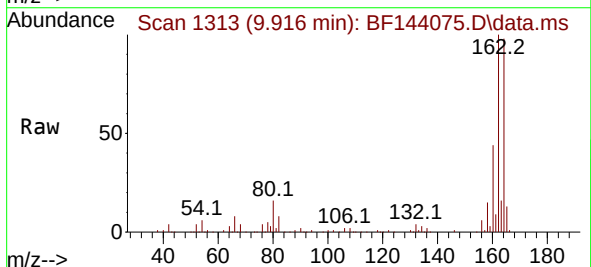
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ClientSampleId :
PB170206BL

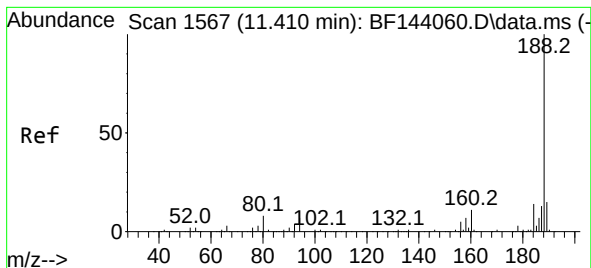
Tgt Ion:165 Resp: 19699
Ion Ratio Lower Upper
165 100
63 0.0 50.4 75.6#
89 0.0 41.4 62.2#



#57
2,4-Dinitrotoluene
Concen: 7.398 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.188 min
Lab File: BF144075.D
Acq: 27 Oct 2025 10:57

Tgt Ion:165 Resp: 19699
Ion Ratio Lower Upper
165 100
63 0.0 35.4 53.2#
89 0.0 52.7 79.1#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF144075.D

Acq: 27 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

PB170206BL

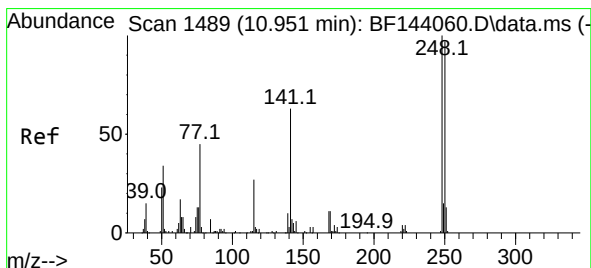
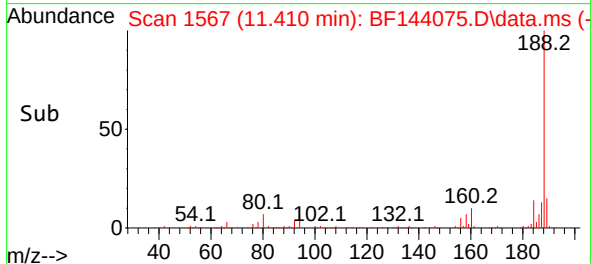
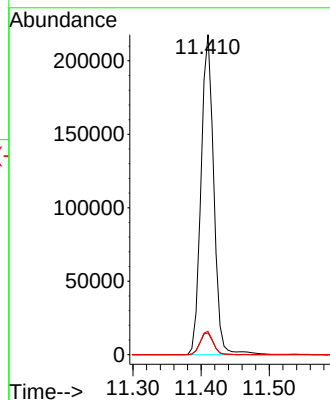
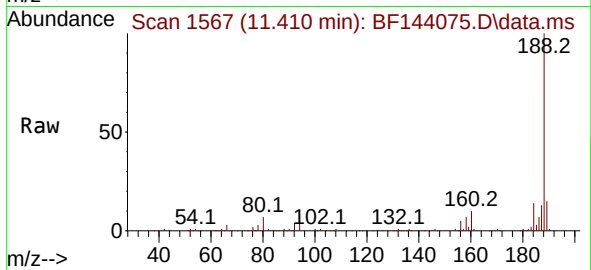
Tgt Ion:188 Resp: 283532

Ion Ratio Lower Upper

188 100

94 6.8 5.4 8.0

80 7.3 6.0 9.0



#67

4-Bromophenyl-phenylether

Concen: 4.475 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.241 min

Lab File: BF144075.D

Acq: 27 Oct 2025 10:57

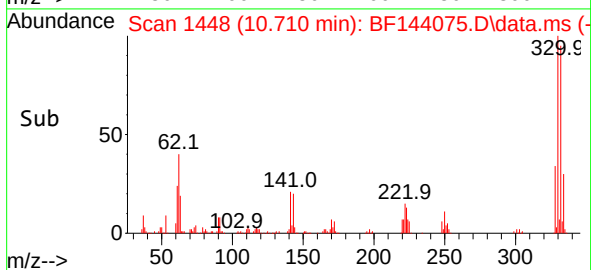
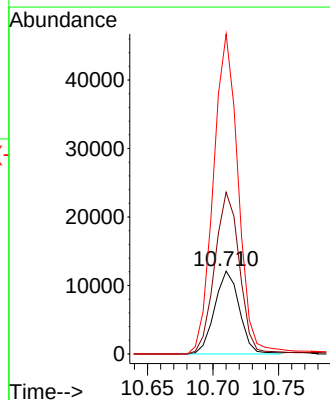
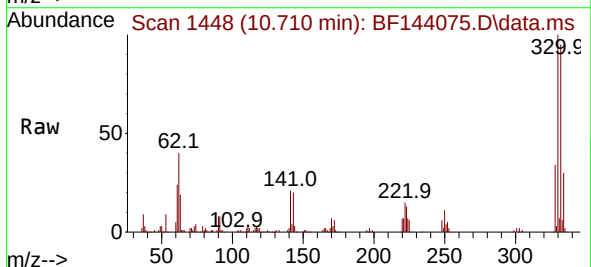
Tgt Ion:248 Resp: 15887

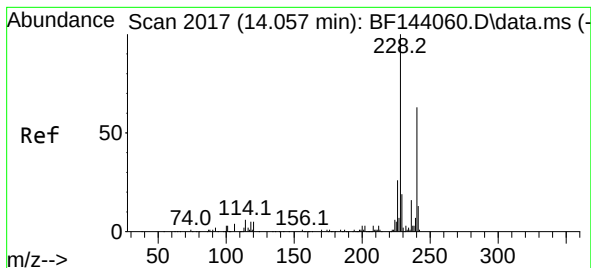
Ion Ratio Lower Upper

248 100

250 195.4 77.8 116.6#

141 386.4 50.5 75.7#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF144075.D

Acq: 27 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

PB170206BL

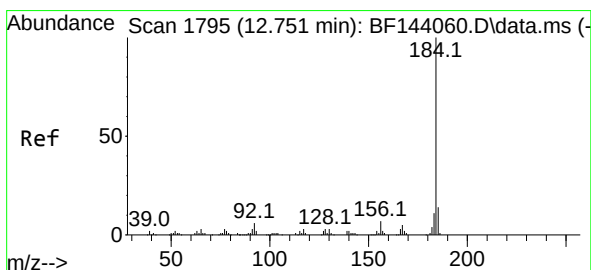
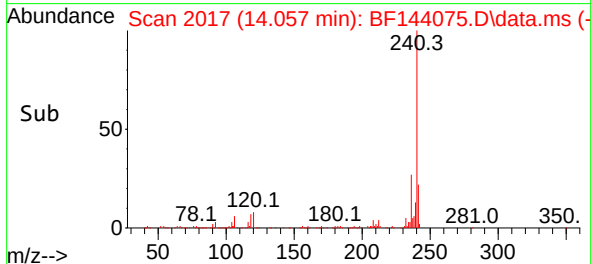
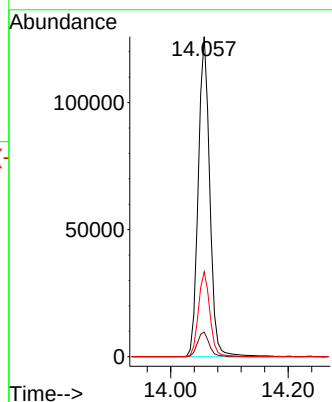
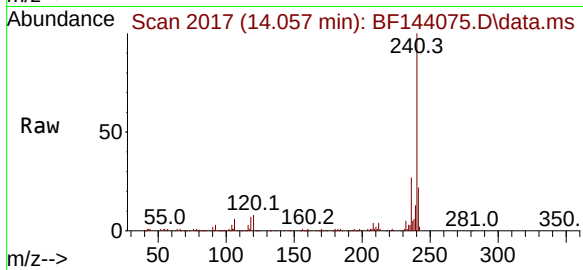
Tgt Ion:240 Resp: 170424

Ion Ratio Lower Upper

240 100

120 7.7 6.5 9.7

236 26.6 20.1 30.1



#77

Benzidine

Concen: 2.343 ng

RT: 12.998 min Scan# 1837

Delta R.T. 0.247 min

Lab File: BF144075.D

Acq: 27 Oct 2025 10:57

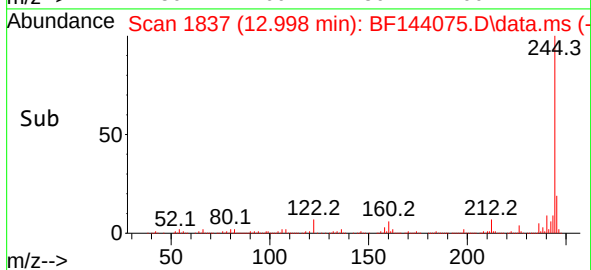
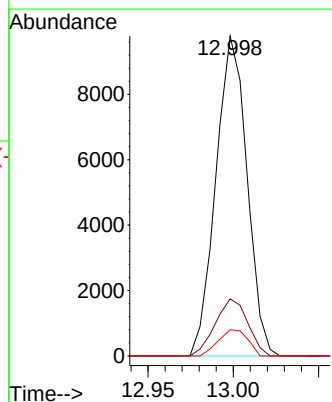
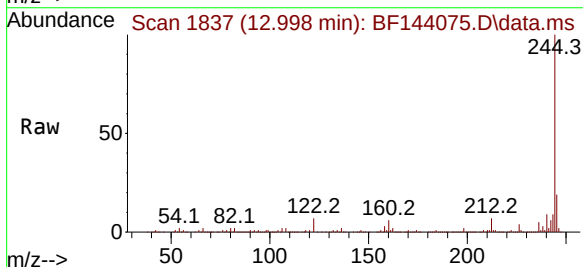
Tgt Ion:184 Resp: 12427

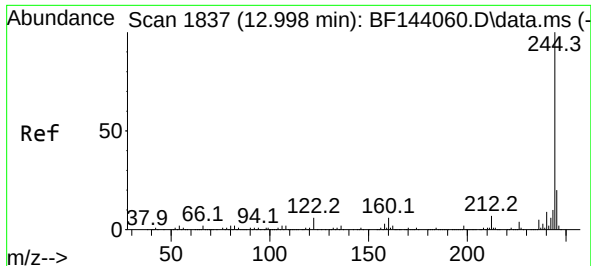
Ion Ratio Lower Upper

184 100

185 17.9 11.6 17.4#

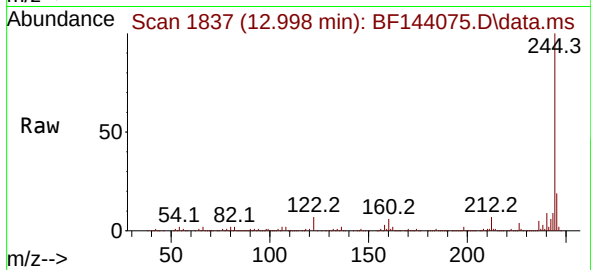
183 8.2 8.5 12.7#



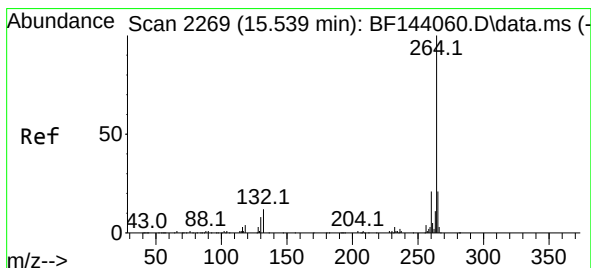
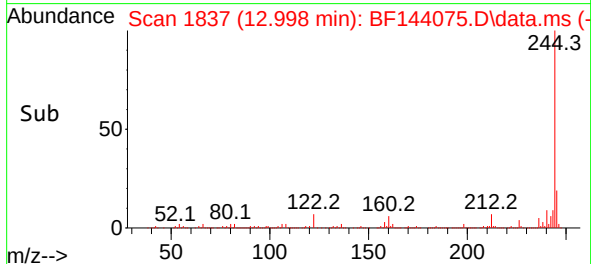
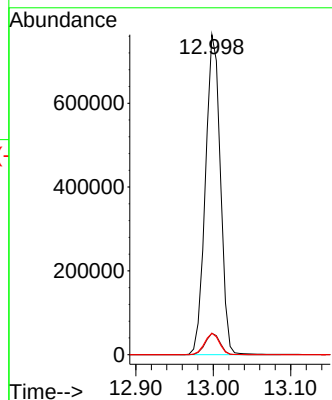


#79
 Terphenyl-d14
 Concen: 104.961 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. 0.000 min
 Lab File: BF144075.D
 Acq: 27 Oct 2025 10:57

Instrument :
 BNA_F
 ClientSampleId :
 PB170206BL



Tgt Ion:244 Resp: 1023205
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.8 8.6
 122 6.7 4.9 7.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2269
 Delta R.T. 0.000 min
 Lab File: BF144075.D
 Acq: 27 Oct 2025 10:57

Tgt Ion:264 Resp: 194021
 Ion Ratio Lower Upper
 264 100
 260 22.7 17.0 25.4
 265 21.2 16.6 24.8

