

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
 Data File : BF142361.D
 Acq On : 14 May 2025 12:51
 Operator : RC/JU
 Sample : PB167929BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167929BL

Quant Time: May 14 13:35:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

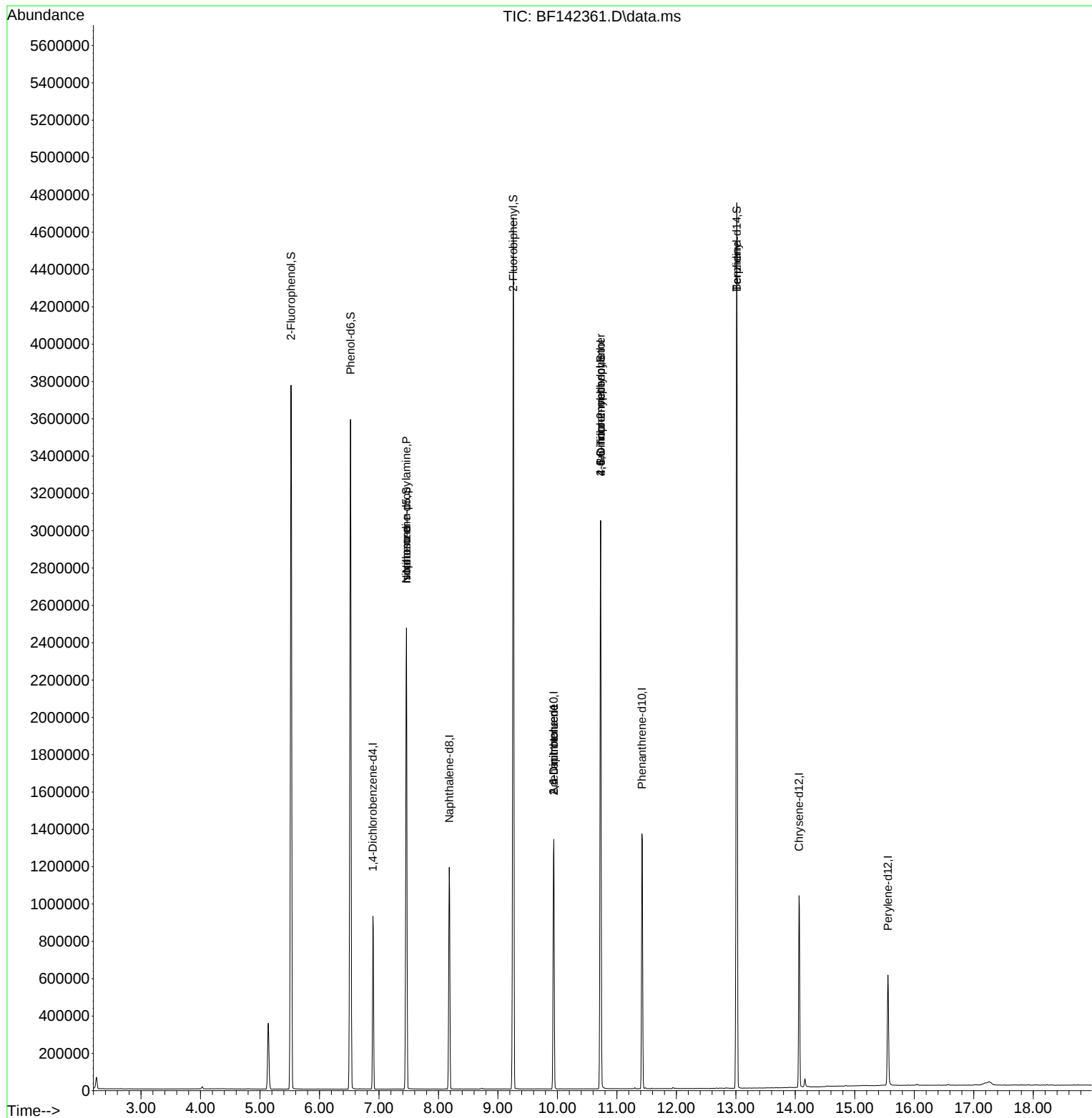
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	198126	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	765257	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	405678	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	720724	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	505523	20.000	ng	0.00
86) Perylene-d12	15.557	264	342845	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1534110	132.181	ng	0.01
7) Phenol-d6	6.522	99	1840719	128.950	ng	0.00
23) Nitrobenzene-d5	7.463	82	1114568	88.825	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	579120	147.857	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	2193030	77.081	ng	0.00
79) Terphenyl-d14	13.016	244	2405082	70.418	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	149114	16.888	ng	# 76
25) Isophorone	7.463	82	1106447	46.565	ng	# 62
51) 2,6-Dinitrotoluene	9.939	165	52203	10.706	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	52203	8.346	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.727	198	1068	7.455	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	33460	4.096	ng	# 1
77) Benzidine	13.016	184	29679	3.231	ng	# 97

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

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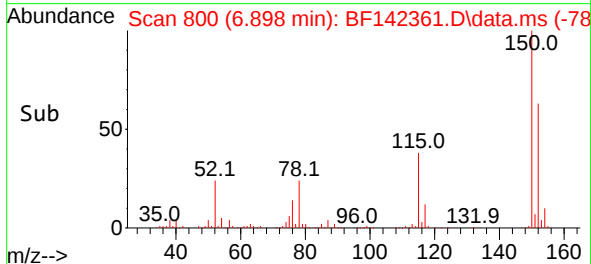
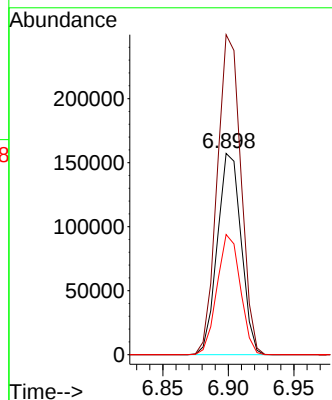
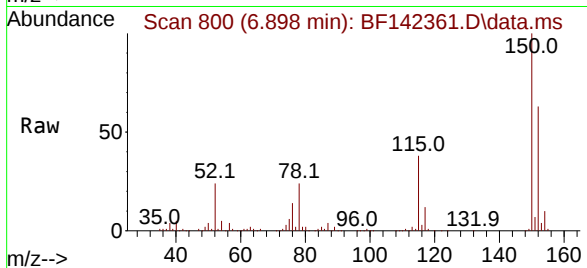




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142361.D
Acq: 14 May 2025 12:51

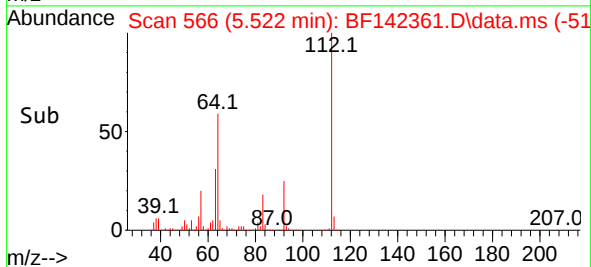
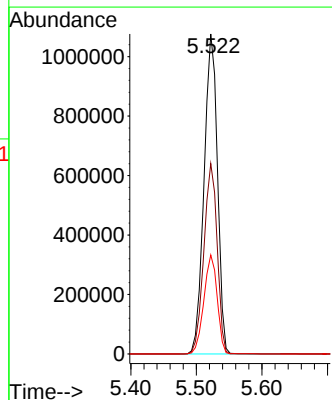
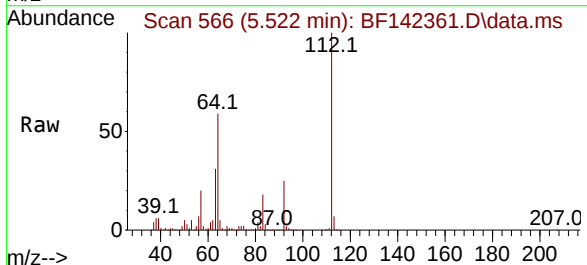
Instrument :
BNA_F
ClientSampleId :
PB167929BL

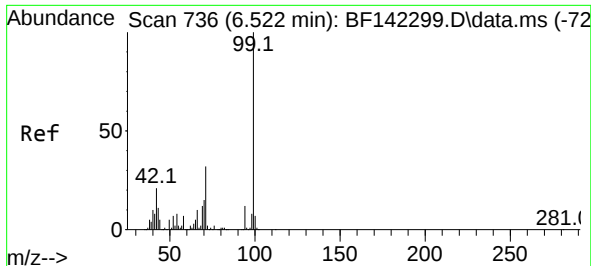
Tgt Ion:152 Resp: 198126
Ion Ratio Lower Upper
152 100
150 158.9 126.6 190.0
115 59.7 47.3 70.9



#5
2-Fluorophenol
Concen: 132.181 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF142361.D
Acq: 14 May 2025 12:51

Tgt Ion:112 Resp: 1534110
Ion Ratio Lower Upper
112 100
64 59.5 48.9 73.3
63 30.9 25.6 38.4

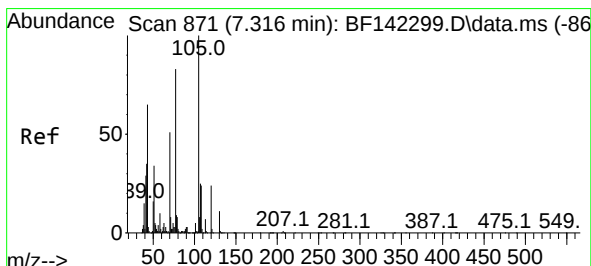
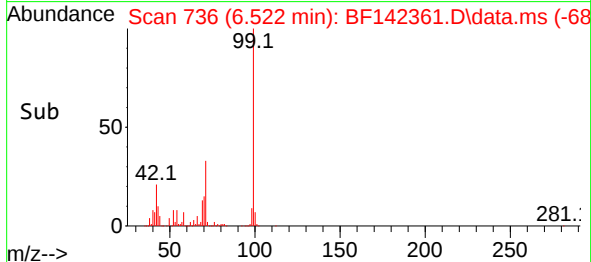
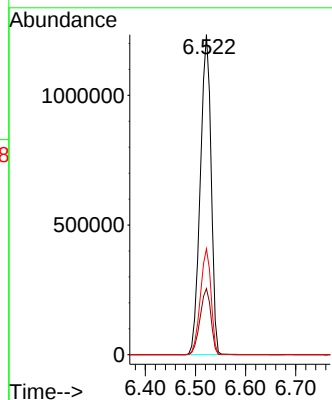
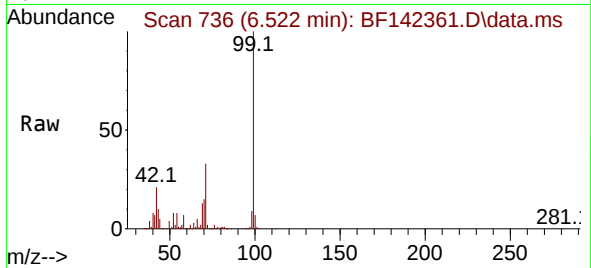




#7
Phenol-d6
Concen: 128.950 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF142361.D
Acq: 14 May 2025 12:51

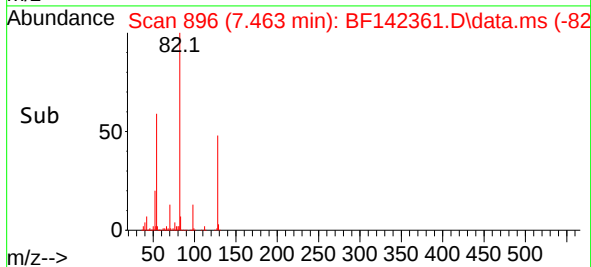
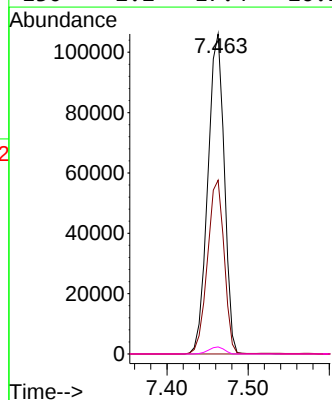
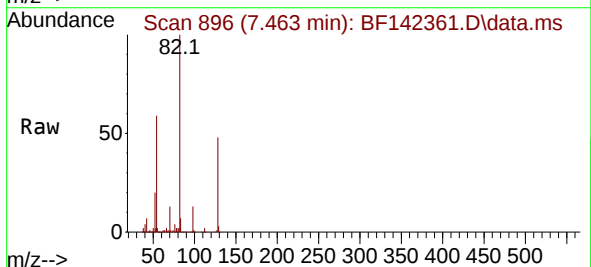
Instrument :
BNA_F
ClientSampleId :
PB167929BL

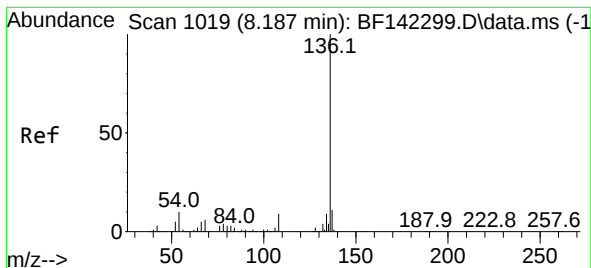
Tgt Ion: 99 Resp: 1840719
Ion Ratio Lower Upper
99 100
42 20.7 17.0 25.4
71 33.1 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 16.888 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.147 min
Lab File: BF142361.D
Acq: 14 May 2025 12:51

Tgt Ion: 70 Resp: 149114
Ion Ratio Lower Upper
70 100
42 54.3 54.8 82.2#
101 0.0 7.7 11.5#
130 2.2 17.4 26.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.181 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF142361.D

Acq: 14 May 2025 12:51

Instrument :

BNA_F

ClientSampleId :

PB167929BL

Tgt Ion:136 Resp: 765257

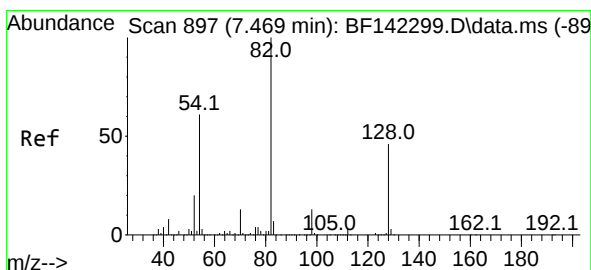
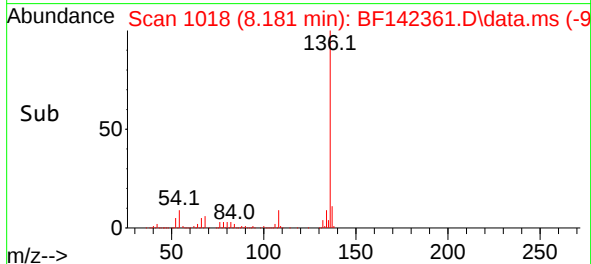
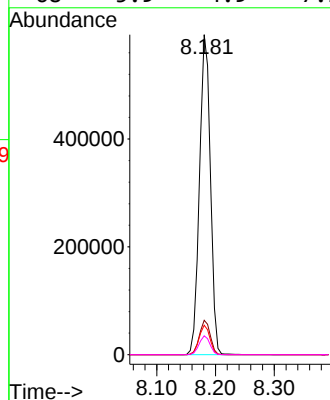
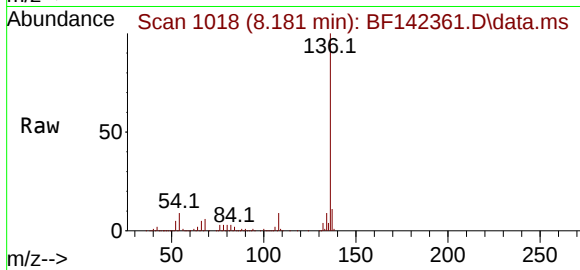
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 9.2 7.7 11.5

68 5.9 4.9 7.3



#23

Nitrobenzene-d5

Concen: 88.825 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF142361.D

Acq: 14 May 2025 12:51

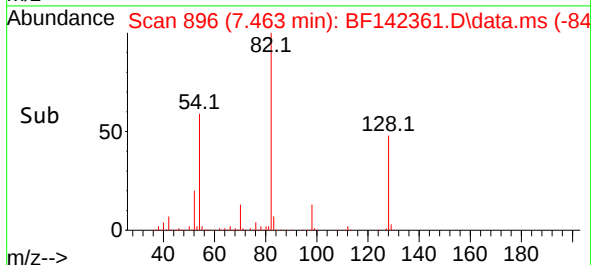
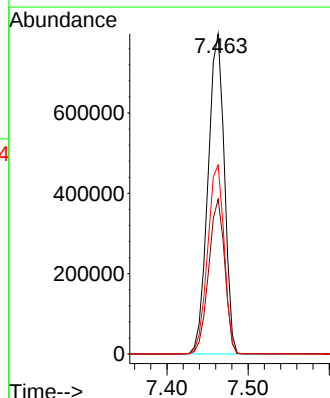
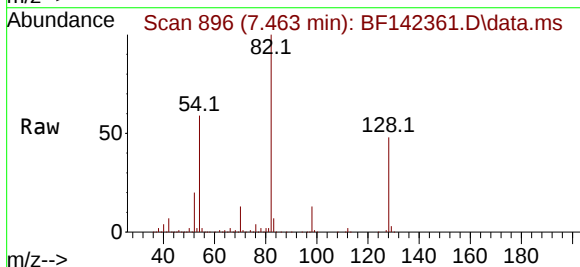
Tgt Ion: 82 Resp: 1114568

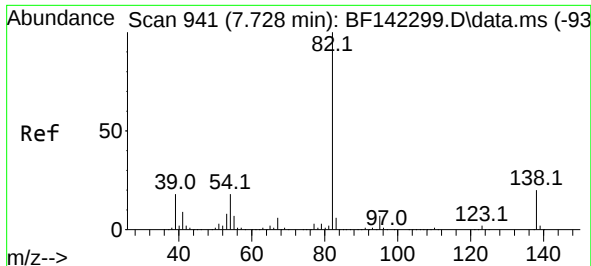
Ion Ratio Lower Upper

82 100

128 48.4 37.0 55.6

54 59.0 48.6 73.0

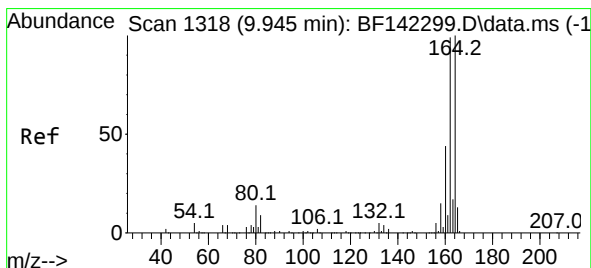
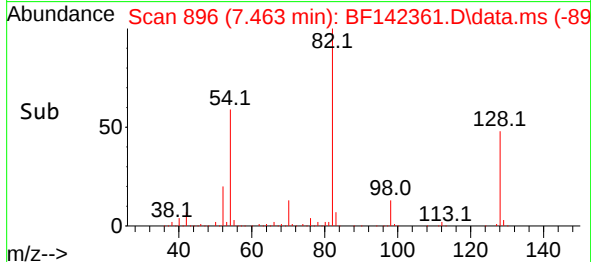
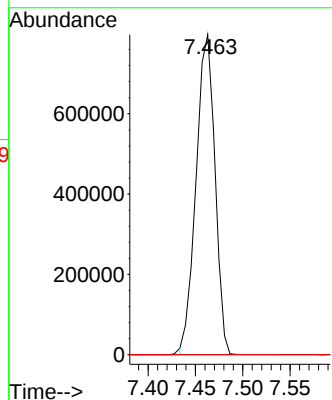
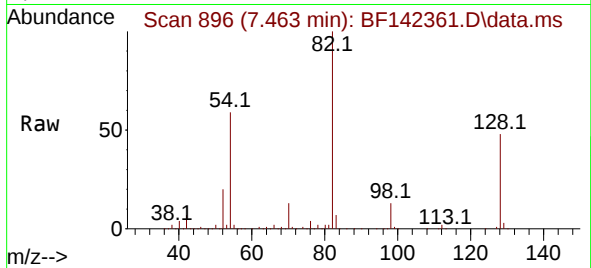




#25
Isophorone
Concen: 46.565 ng
RT: 7.463 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF142361.D
Acq: 14 May 2025 12:51

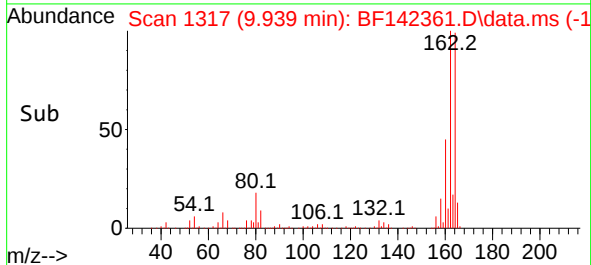
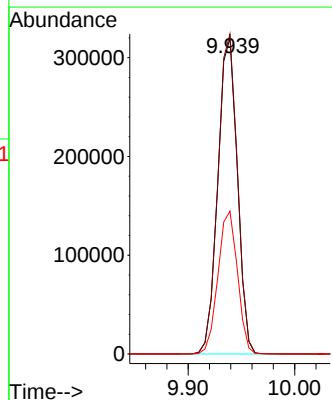
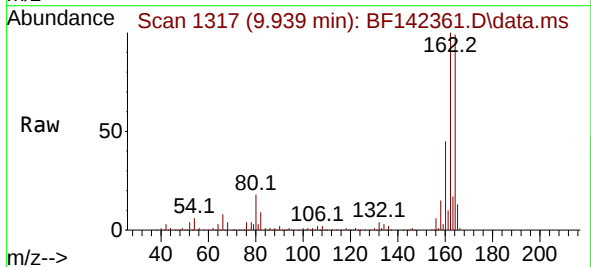
Instrument :
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ClientSampleId :
PB167929BL

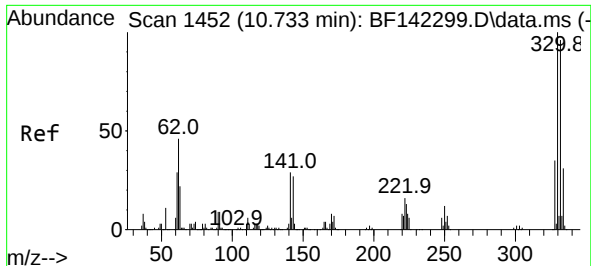
Tgt Ion: 82 Resp: 1106447
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142361.D
Acq: 14 May 2025 12:51

Tgt Ion:164 Resp: 405678
Ion Ratio Lower Upper
164 100
162 101.2 79.2 118.8
160 45.2 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 147.857 ng

RT: 10.727 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF142361.D

Acq: 14 May 2025 12:51

Instrument :

BNA_F

ClientSampleId :

PB167929BL

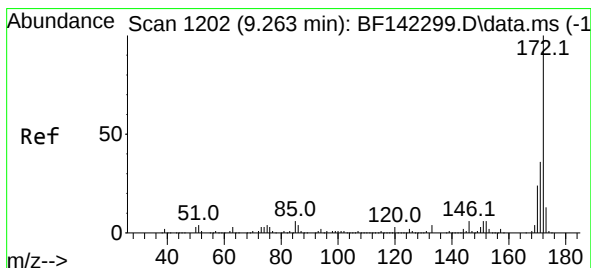
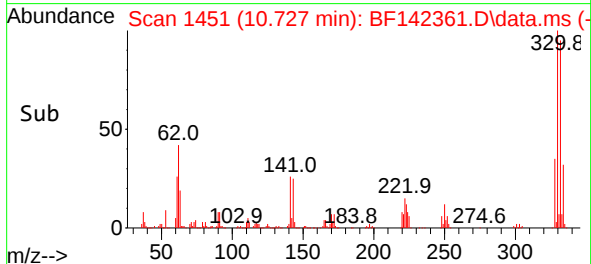
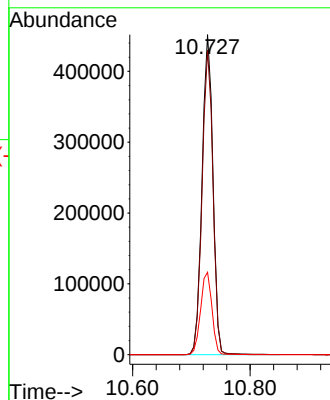
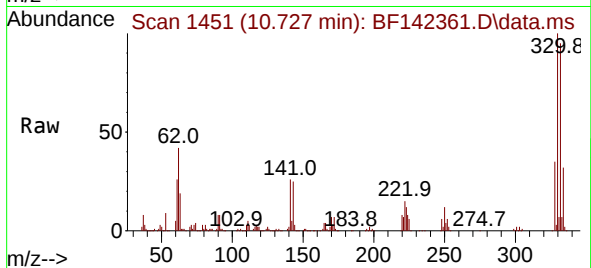
Tgt Ion:330 Resp: 579120

Ion Ratio Lower Upper

330 100

332 95.0 76.8 115.2

141 26.9 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 77.081 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF142361.D

Acq: 14 May 2025 12:51

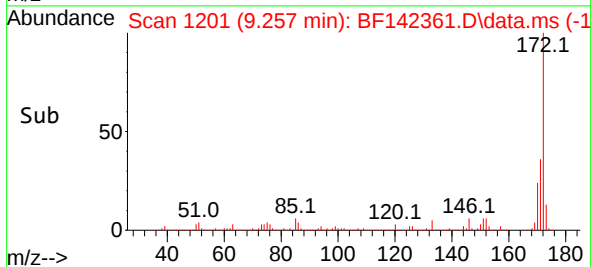
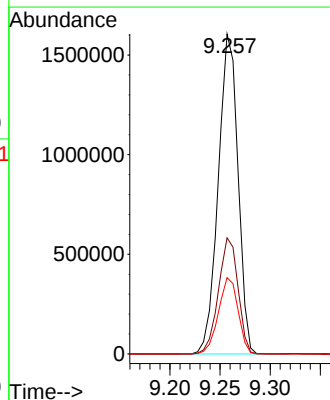
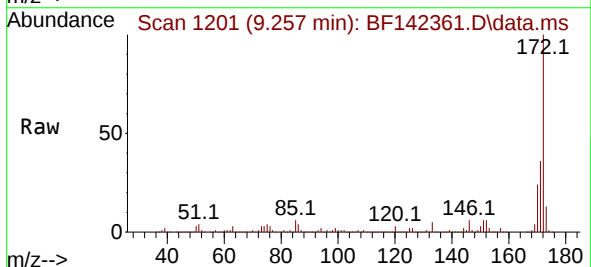
Tgt Ion:172 Resp: 2193030

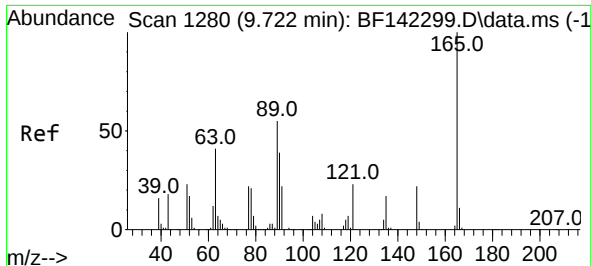
Ion Ratio Lower Upper

172 100

171 36.3 28.6 42.8

170 23.8 19.0 28.4

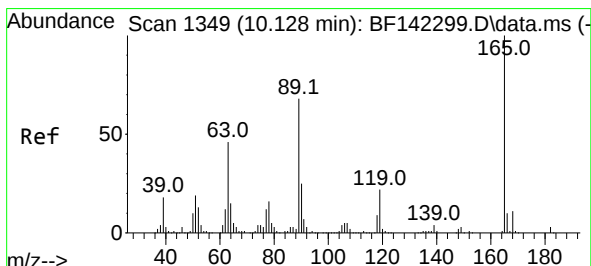
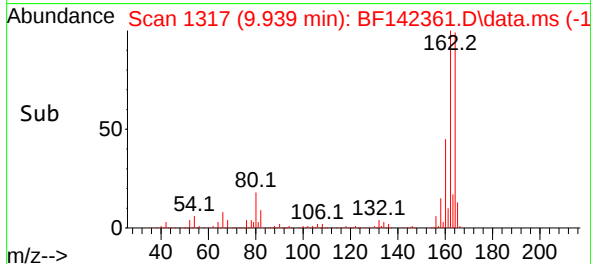
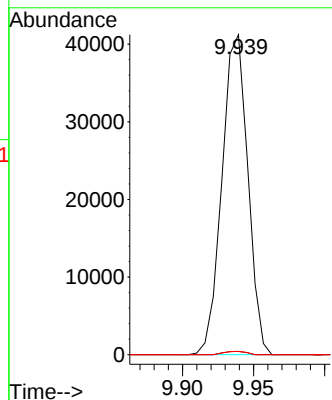
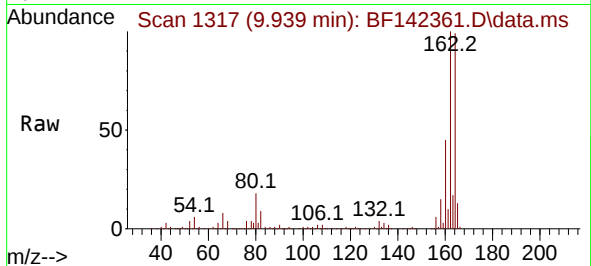




#51
2,6-Dinitrotoluene
Concen: 10.706 ng
RT: 9.939 min Scan# 1317
Delta R.T. 0.218 min
Lab File: BF142361.D
Acq: 14 May 2025 12:51

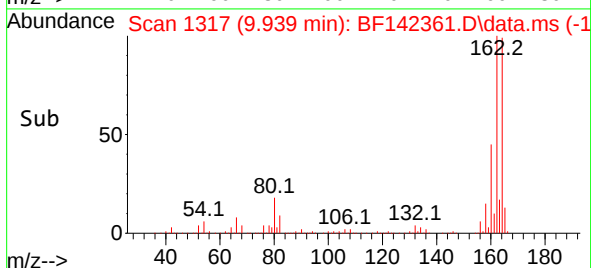
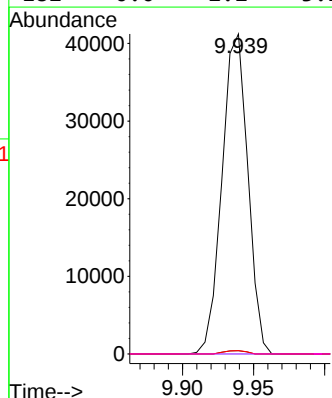
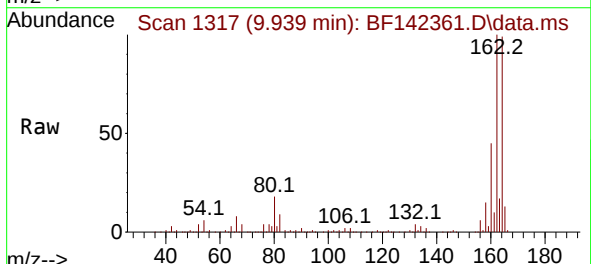
Instrument :
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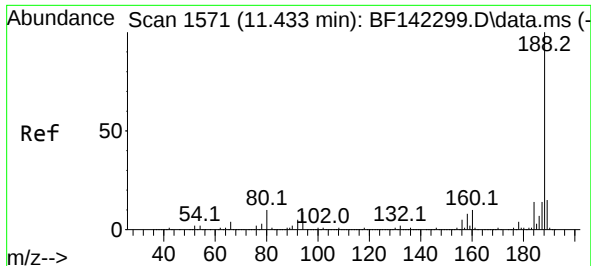
Tgt Ion:165 Resp: 52203
Ion Ratio Lower Upper
165 100
63 1.0 49.5 74.3#
89 1.1 44.6 66.8#



#57
2,4-Dinitrotoluene
Concen: 8.346 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.188 min
Lab File: BF142361.D
Acq: 14 May 2025 12:51

Tgt Ion:165 Resp: 52203
Ion Ratio Lower Upper
165 100
63 1.0 37.1 55.7#
89 1.1 54.4 81.6#
182 0.0 2.2 3.2#

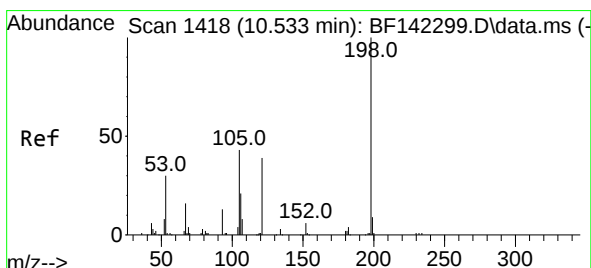
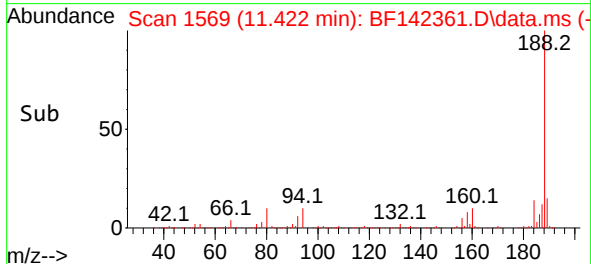
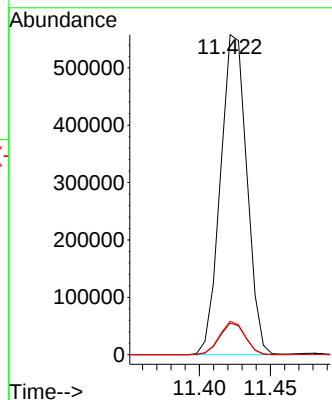
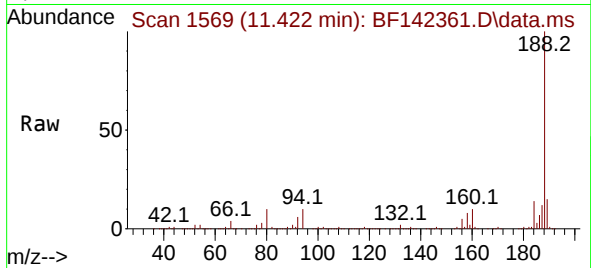




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142361.D
Acq: 14 May 2025 12:51

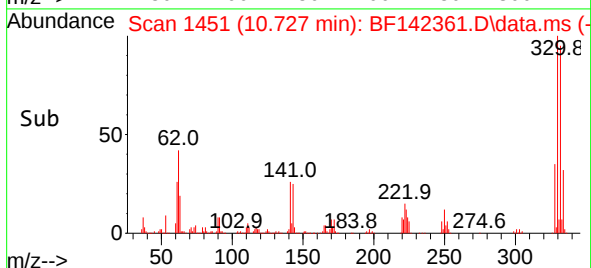
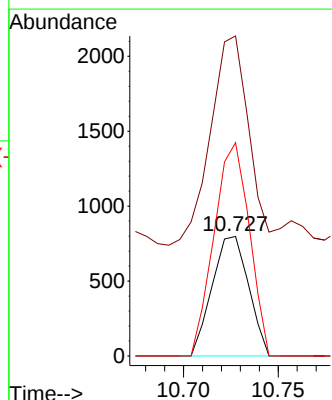
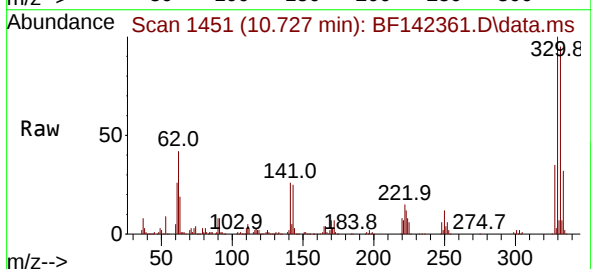
Instrument :
BNA_F
ClientSampleId :
PB167929BL

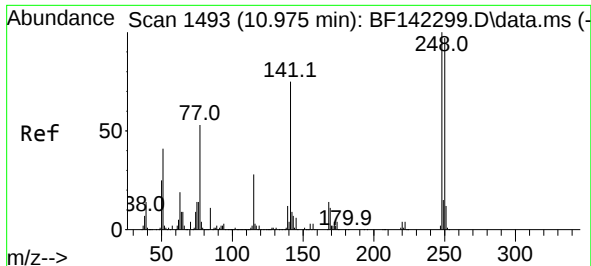
Tgt Ion:188 Resp: 720724
Ion Ratio Lower Upper
188 100
94 9.9 7.5 11.3
80 10.4 7.9 11.9



#65
4,6-Dinitro-2-methylphenol
Concen: 7.455 ng
RT: 10.727 min Scan# 1451
Delta R.T. 0.194 min
Lab File: BF142361.D
Acq: 14 May 2025 12:51

Tgt Ion:198 Resp: 1068
Ion Ratio Lower Upper
198 100
51 267.7 32.9 72.9#
105 178.4 23.7 63.7#

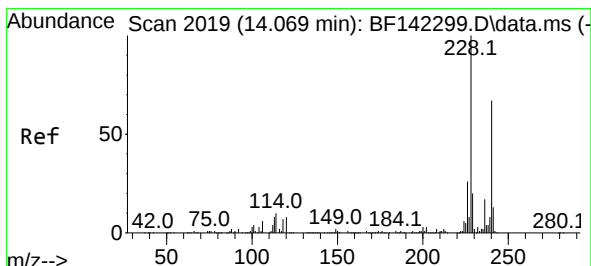
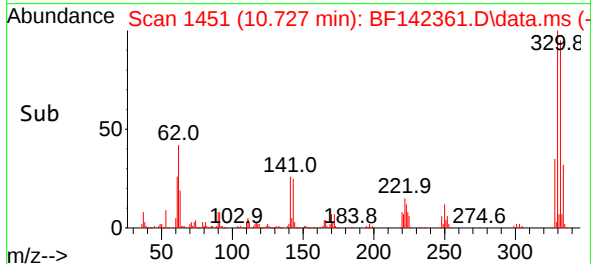
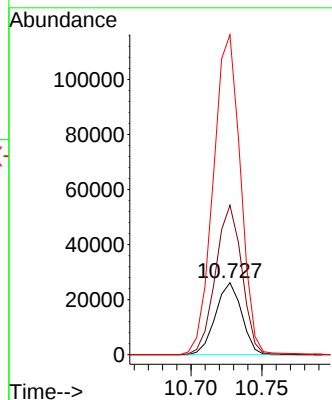
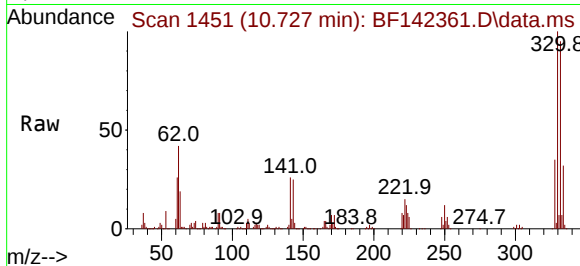




#67
4-Bromophenyl-phenylether
Concen: 4.096 ng
RT: 10.727 min Scan# 1493
Delta R.T. -0.247 min
Lab File: BF142361.D
Acq: 14 May 2025 12:51

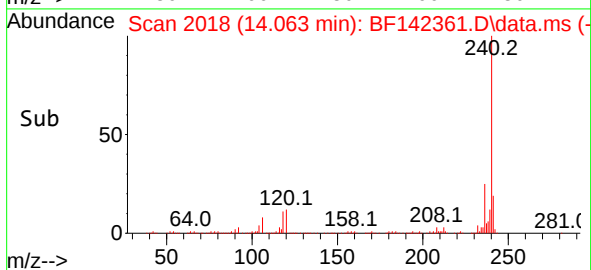
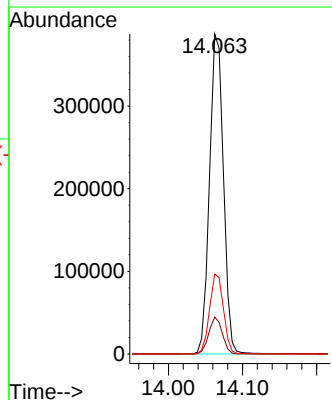
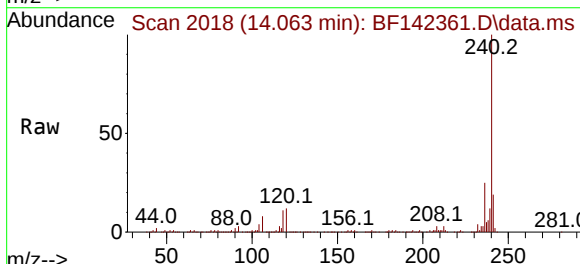
Instrument :
BNA_F
ClientSampleId :
PB167929BL

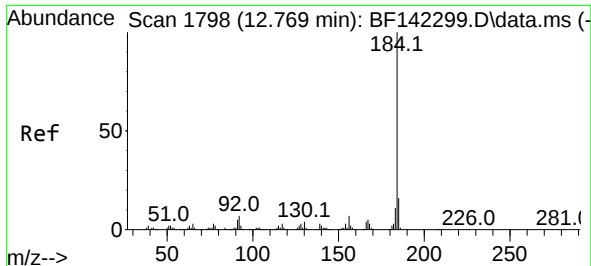
Tgt Ion:248 Resp: 33460
Ion Ratio Lower Upper
248 100
250 207.8 77.9 116.9#
141 444.8 59.8 89.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142361.D
Acq: 14 May 2025 12:51

Tgt Ion:240 Resp: 505523
Ion Ratio Lower Upper
240 100
120 11.5 9.7 14.5
236 25.0 20.0 30.0

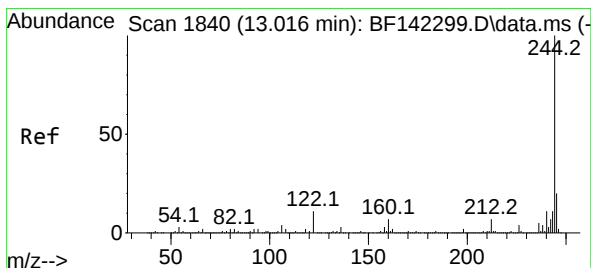
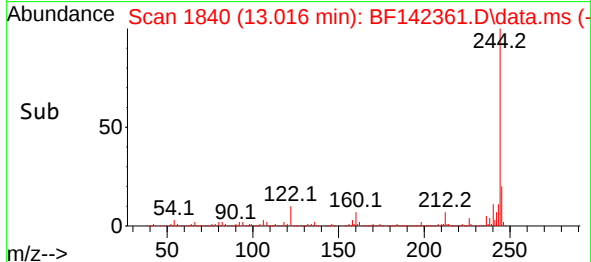
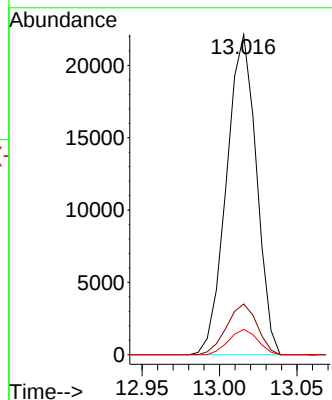
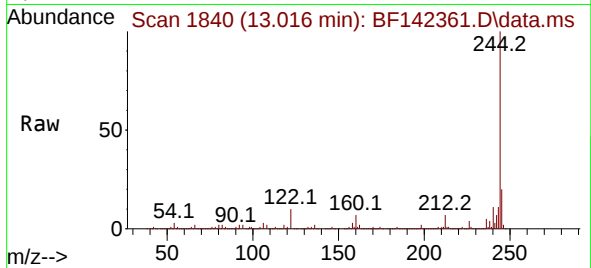




#77
Benzidine
Concen: 3.231 ng
RT: 13.016 min Scan# 1840
Delta R.T. 0.247 min
Lab File: BF142361.D
Acq: 14 May 2025 12:51

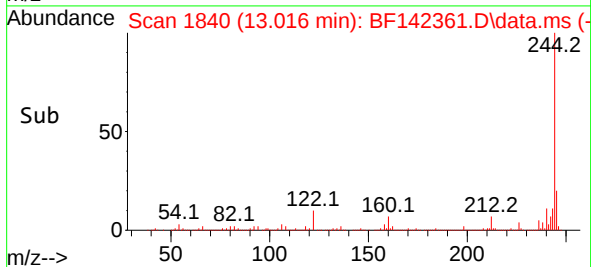
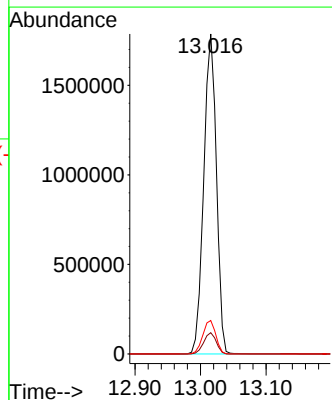
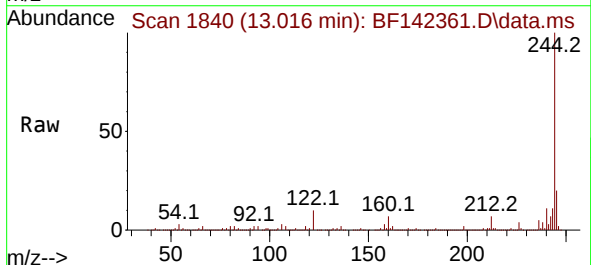
Instrument :
BNA_F
ClientSampleId :
PB167929BL

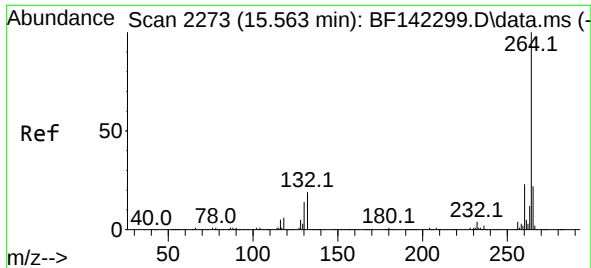
Tgt Ion:184 Resp: 29679
Ion Ratio Lower Upper
184 100
185 15.9 12.6 18.8
183 7.9 8.6 12.8#



#79
Terphenyl-d14
Concen: 70.418 ng
RT: 13.016 min Scan# 1840
Delta R.T. -0.000 min
Lab File: BF142361.D
Acq: 14 May 2025 12:51

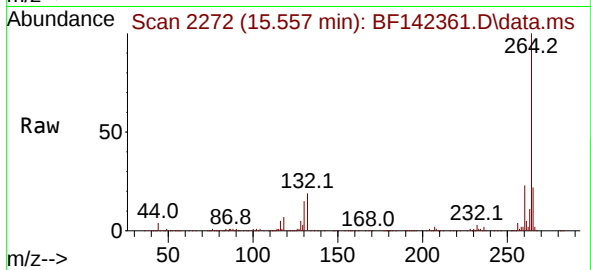
Tgt Ion:244 Resp: 2405082
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.2
122 10.5 9.0 13.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF142361.D
 Acq: 14 May 2025 12:51

Instrument :
 BNA_F
 ClientSampleId :
 PB167929BL



Tgt Ion:264 Resp: 342845
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.6 27.8
 265 21.5 17.5 26.3

