

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142658.D
 Acq On : 06 Jun 2025 21:02
 Operator : RC/JU
 Sample : Q2177-08
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EB05312025

Quant Time: Jun 06 22:57:36 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

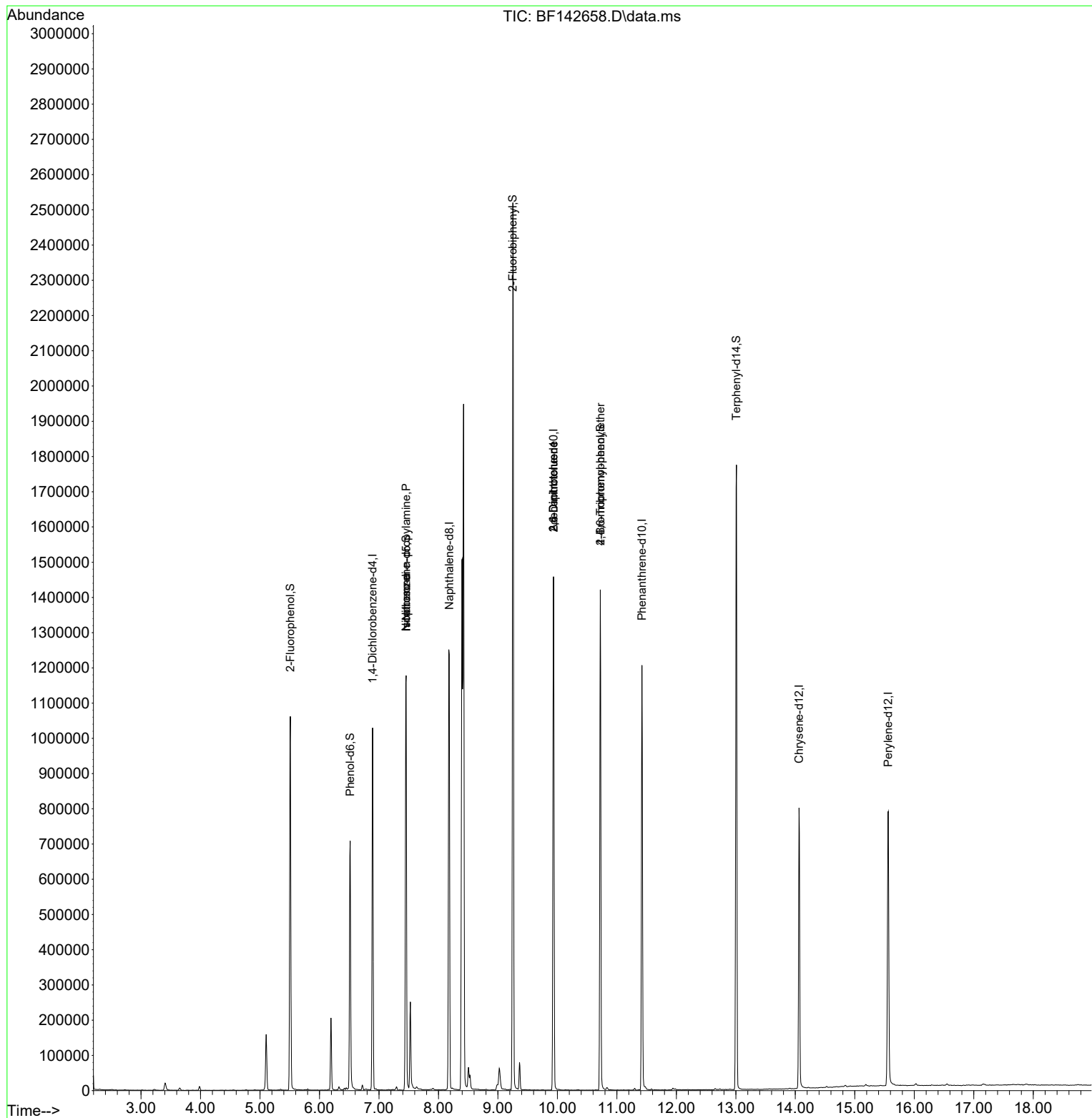
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	220757	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	837398	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	443312	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	652874	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	417346	20.000	ng	#-0.01
86) Perylene-d12	15.562	264	499853	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	416699	31.801	ng	0.00
7) Phenol-d6	6.516	99	349815	22.178	ng	-0.02
23) Nitrobenzene-d5	7.457	82	541368	35.252	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	256220	52.075	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	1168881	35.381	ng	-0.02
79) Terphenyl-d14	13.010	244	910708	29.820	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.457	70	71303	7.294	ng	# 75
25) Isophorone	7.457	82	485902	18.924	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	57113	9.046	ng	# 27
57) 2,4-Dinitrotoluene	9.933	165	57113	6.927	ng	# 28
67) 4-Bromophenyl-phenylether	10.722	248	16194	2.098	ng	# 1

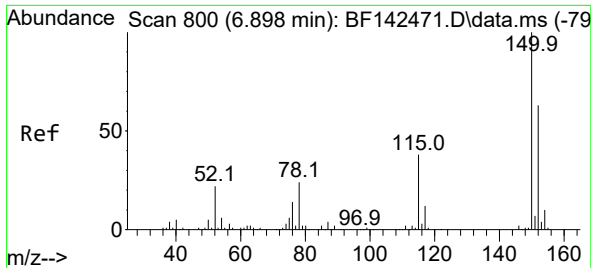
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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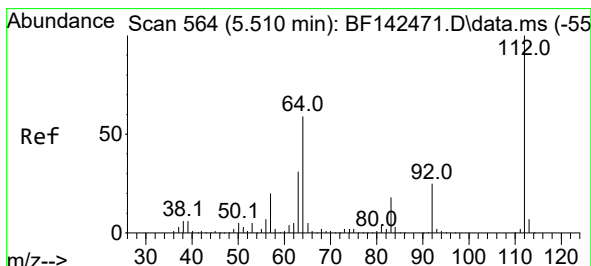
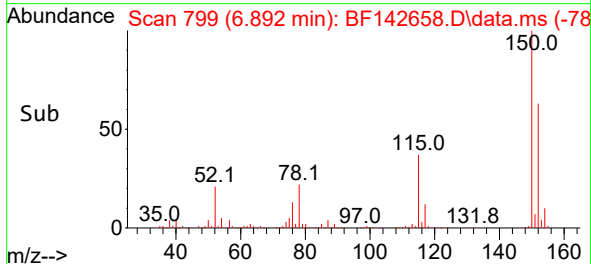
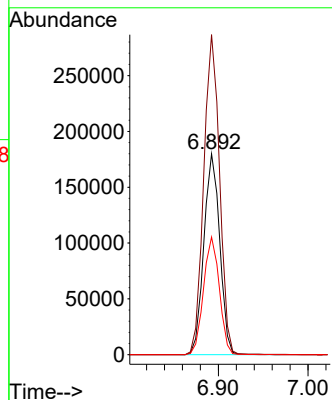
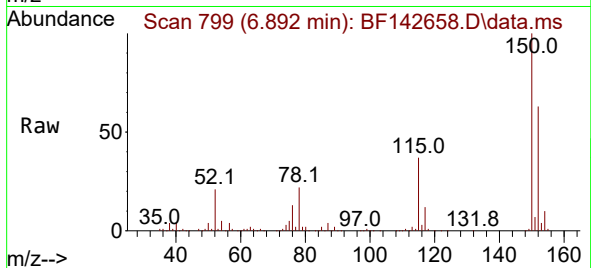




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.012 min
Lab File: BF142658.D
Acq: 06 Jun 2025 21:02

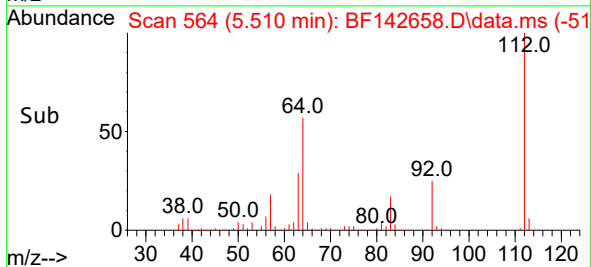
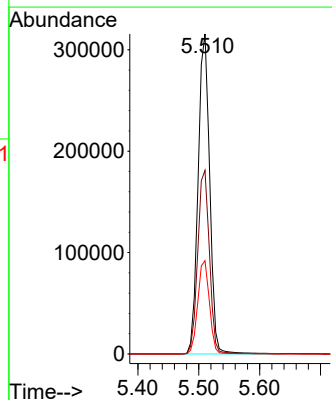
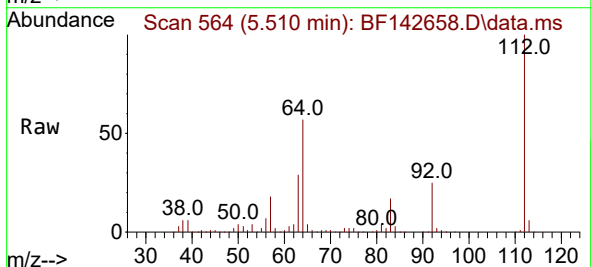
Instrument :
BNA_F
ClientSampleId :
EB05312025

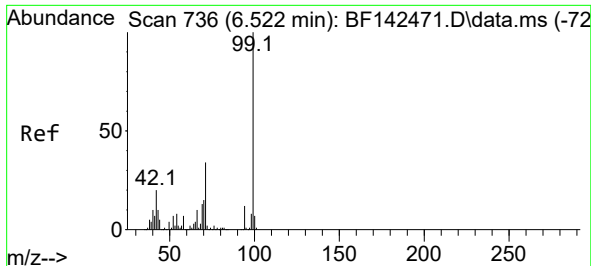
Tgt Ion:152 Resp: 220757
Ion Ratio Lower Upper
152 100
150 159.4 128.2 192.4
115 58.6 48.3 72.5



#5
2-Fluorophenol
Concen: 31.801 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142658.D
Acq: 06 Jun 2025 21:02

Tgt Ion:112 Resp: 416699
Ion Ratio Lower Upper
112 100
64 57.3 47.5 71.3
63 29.2 24.9 37.3

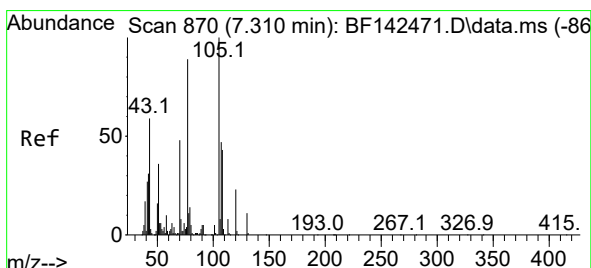
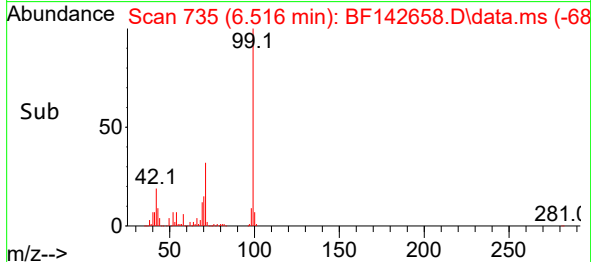
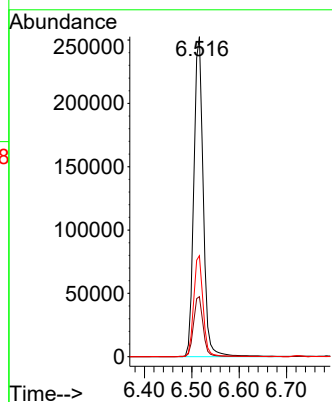
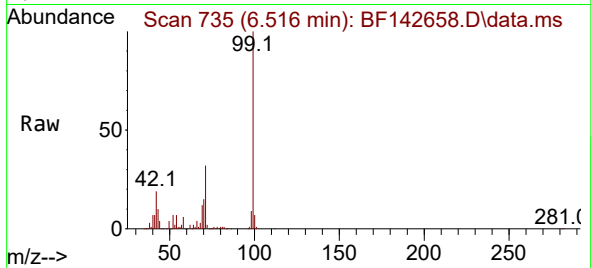




#7
Phenol-d6
Concen: 22.178 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142658.D
Acq: 06 Jun 2025 21:02

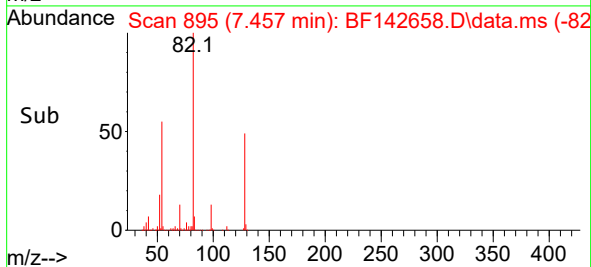
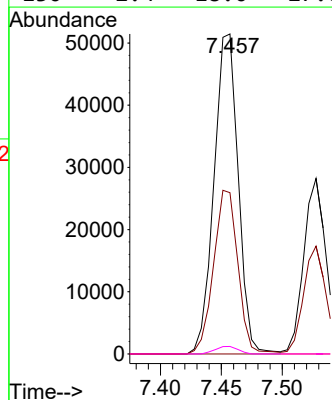
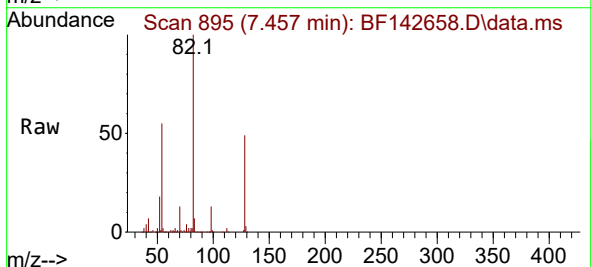
Instrument :
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ClientSampleId :
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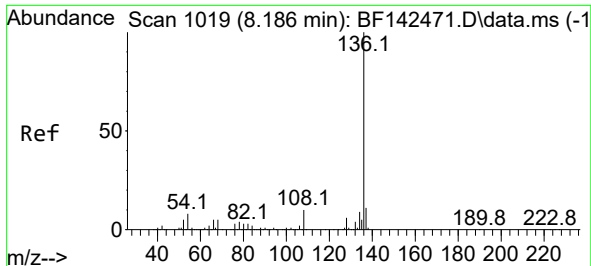
Tgt Ion: 99 Resp: 349815
Ion Ratio Lower Upper
99 100
42 18.8 16.2 24.2
71 31.5 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 7.294 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF142658.D
Acq: 06 Jun 2025 21:02

Tgt Ion: 70 Resp: 71303
Ion Ratio Lower Upper
70 100
42 50.4 52.4 78.6#
101 0.0 7.8 11.8#
130 2.4 18.0 27.0#

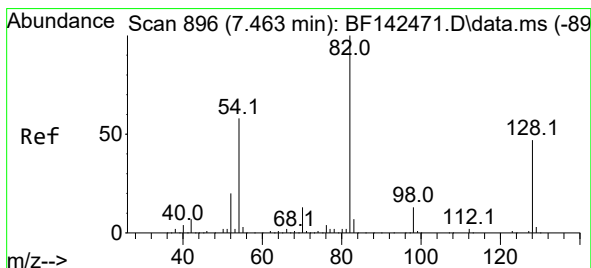
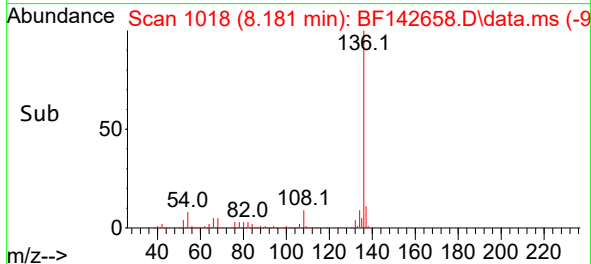
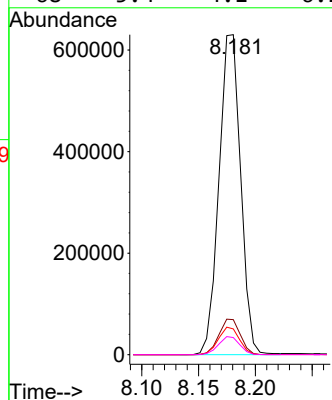
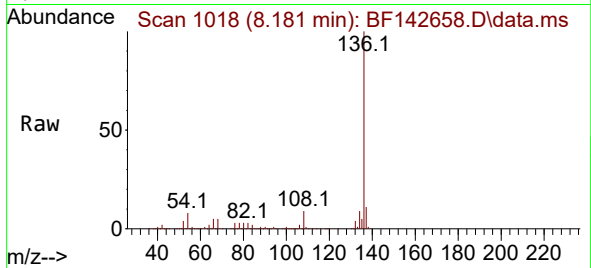




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142658.D
Acq: 06 Jun 2025 21:02

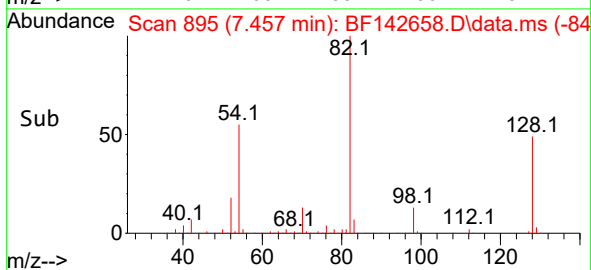
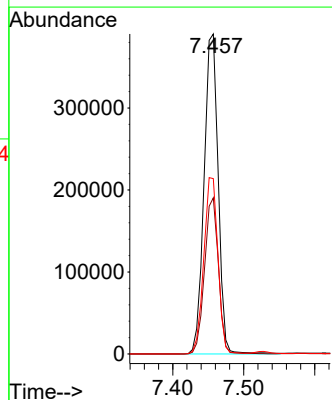
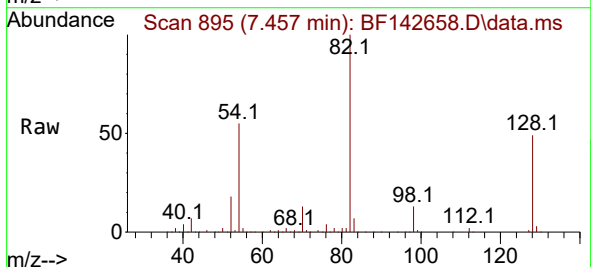
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BNA_F
ClientSampleId :
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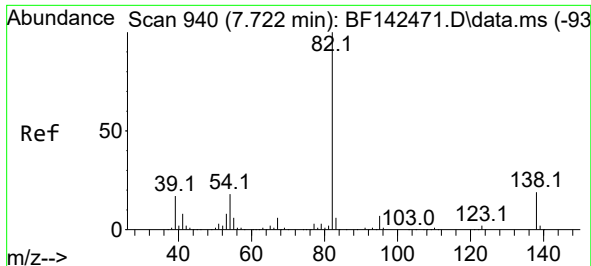
Tgt Ion:136 Resp: 837398
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.1 6.6 10.0
68 5.4 4.1 6.1



#23
Nitrobenzene-d5
Concen: 35.252 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF142658.D
Acq: 06 Jun 2025 21:02

Tgt Ion: 82 Resp: 541368
Ion Ratio Lower Upper
82 100
128 48.8 37.4 56.2
54 54.8 46.6 70.0

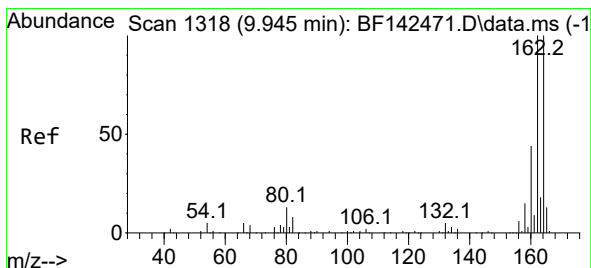
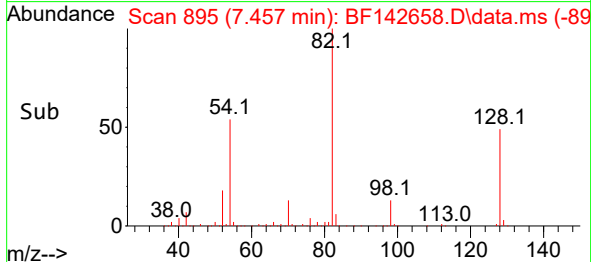
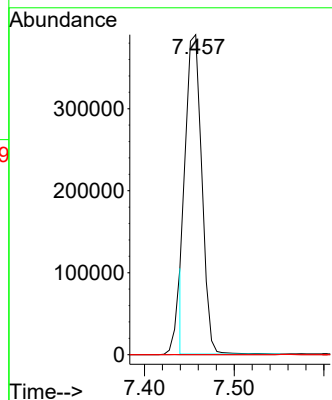
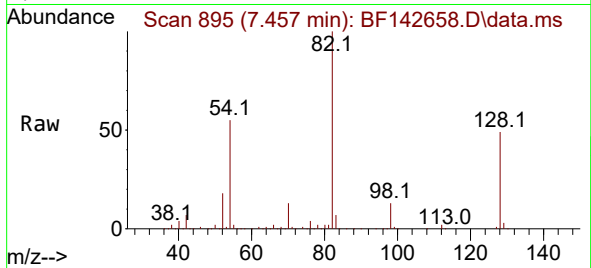




#25
Isophorone
Concen: 18.924 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF142658.D
Acq: 06 Jun 2025 21:02

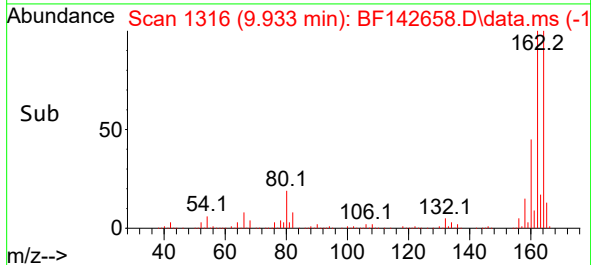
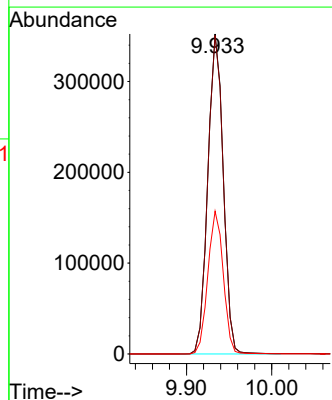
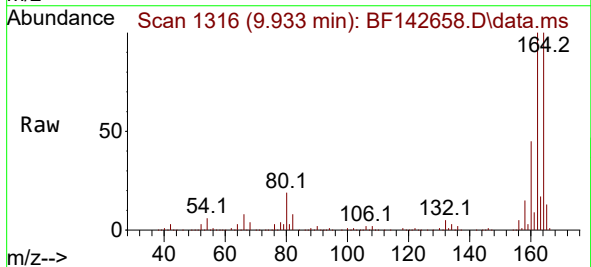
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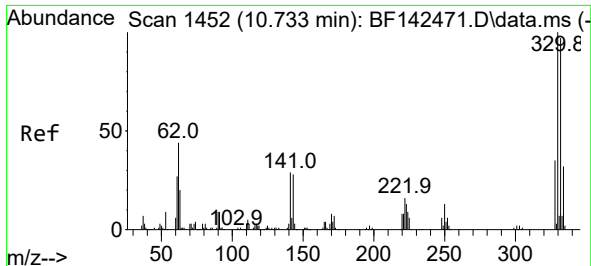
Tgt Ion: 82 Resp: 485902
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142658.D
Acq: 06 Jun 2025 21:02

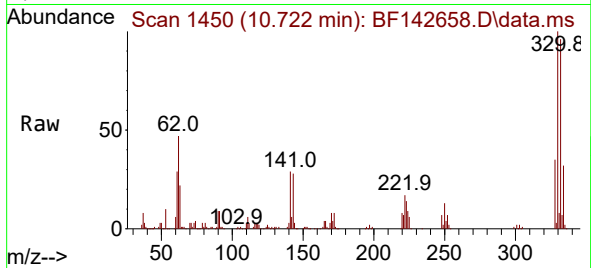
Tgt Ion: 164 Resp: 443312
Ion Ratio Lower Upper
164 100
162 99.6 80.2 120.4
160 44.6 35.6 53.4



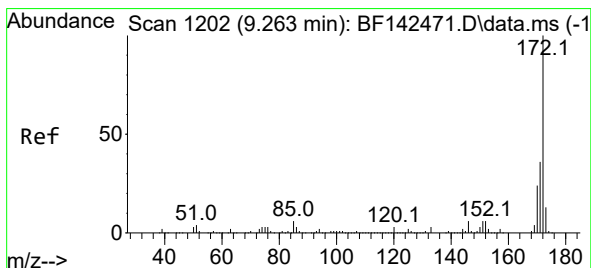
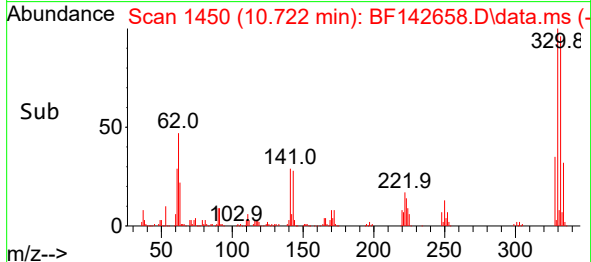
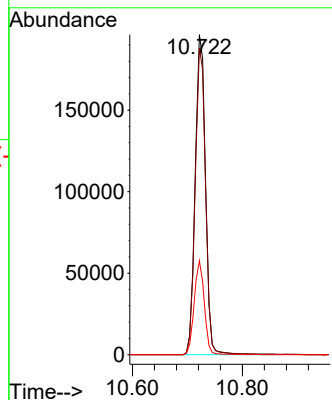


#42
 2,4,6-Tribromophenol
 Concen: 52.075 ng
 RT: 10.722 min Scan# 1452
 Delta R.T. -0.018 min
 Lab File: BF142658.D
 Acq: 06 Jun 2025 21:02

Instrument :
 BNA_F
 ClientSampleId :
 EB05312025

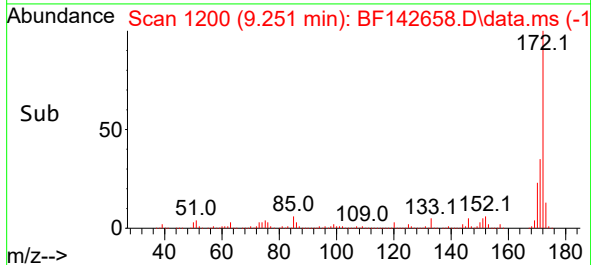
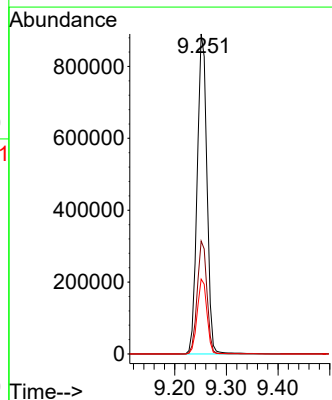
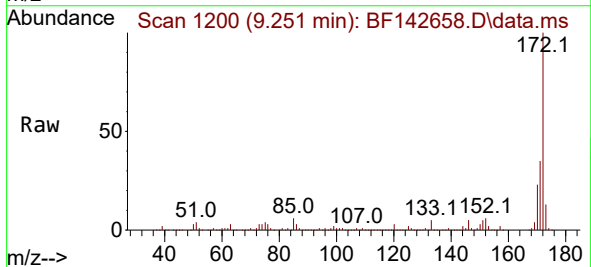


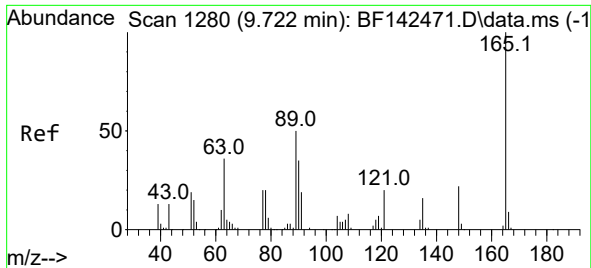
Tgt Ion:330 Resp: 256220
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.6 116.4
 141 28.7 24.6 36.8



#45
 2-Fluorobiphenyl
 Concen: 35.381 ng
 RT: 9.251 min Scan# 1200
 Delta R.T. -0.018 min
 Lab File: BF142658.D
 Acq: 06 Jun 2025 21:02

Tgt Ion:172 Resp: 1168881
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.6 42.8
 170 23.4 18.9 28.3

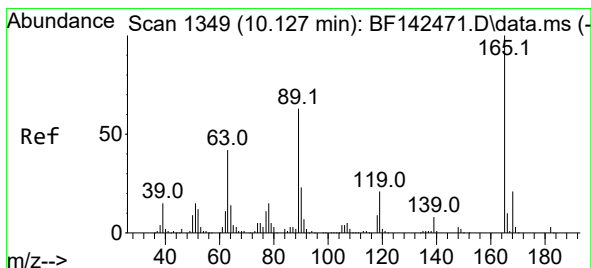
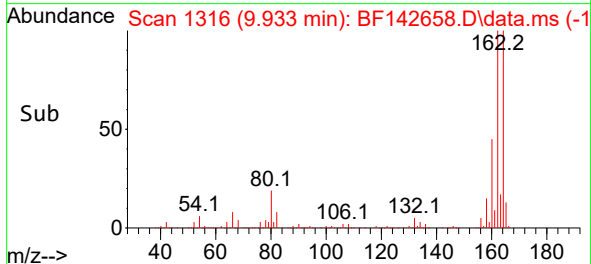
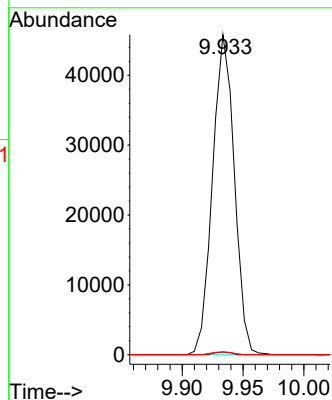
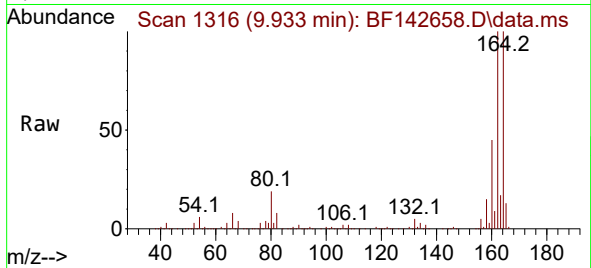




#51
2,6-Dinitrotoluene
Concen: 9.046 ng
RT: 9.933 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF142658.D
Acq: 06 Jun 2025 21:02

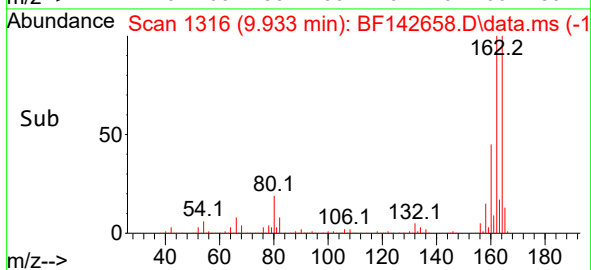
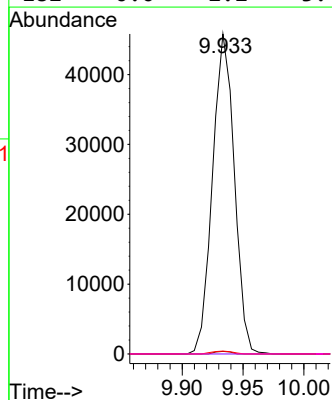
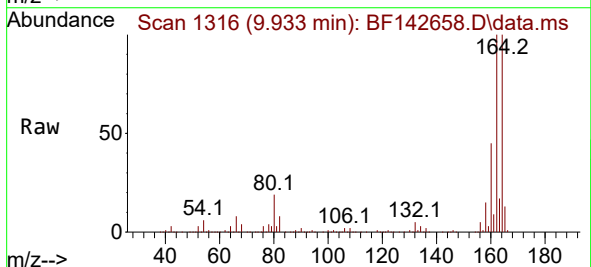
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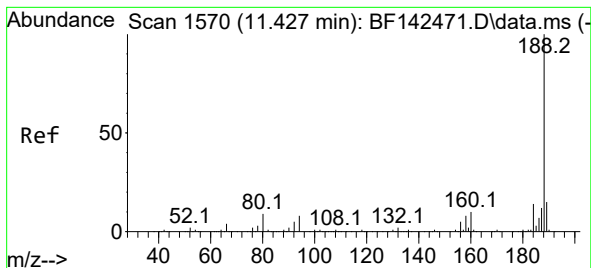
Tgt Ion:165 Resp: 57113
Ion Ratio Lower Upper
165 100
63 0.8 42.9 64.3#
89 0.9 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.927 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142658.D
Acq: 06 Jun 2025 21:02

Tgt Ion:165 Resp: 57113
Ion Ratio Lower Upper
165 100
63 0.8 33.6 50.4#
89 0.9 50.2 75.4#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142658.D

Acq: 06 Jun 2025 21:02

Instrument :

BNA_F

ClientSampleId :

EB05312025

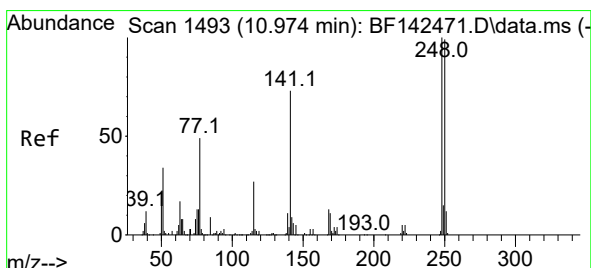
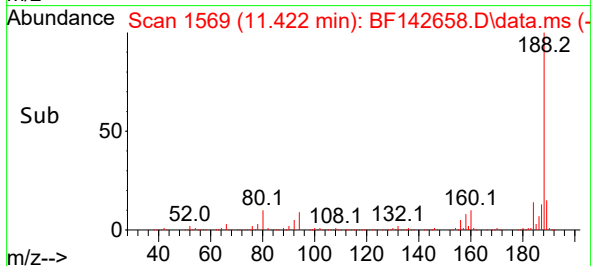
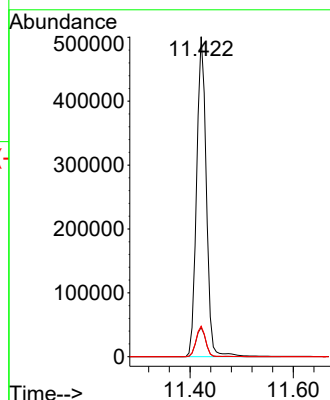
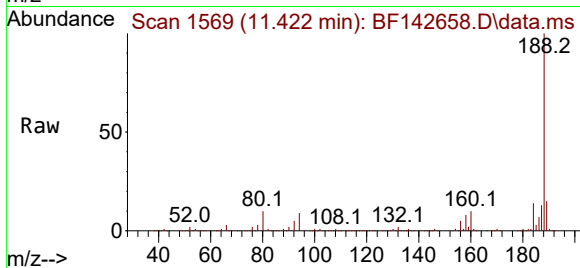
Tgt Ion:188 Resp: 652874

Ion Ratio Lower Upper

188 100

94 9.1 6.6 10.0

80 9.5 7.4 11.0



#67

4-Bromophenyl-phenylether

Concen: 2.098 ng

RT: 10.722 min Scan# 1450

Delta R.T. -0.253 min

Lab File: BF142658.D

Acq: 06 Jun 2025 21:02

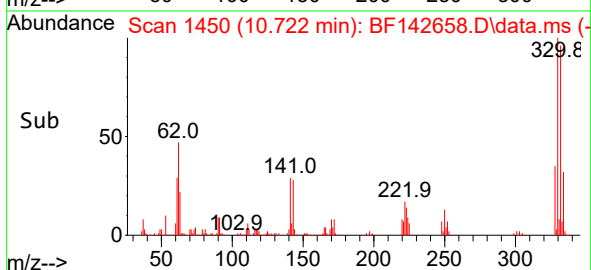
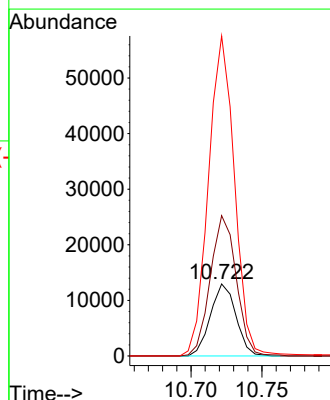
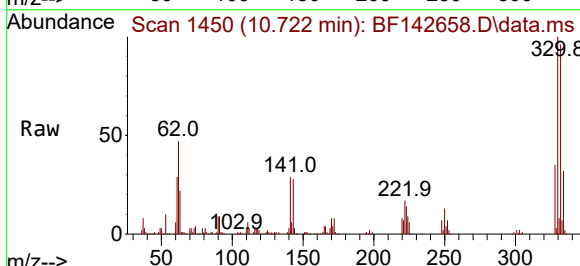
Tgt Ion:248 Resp: 16194

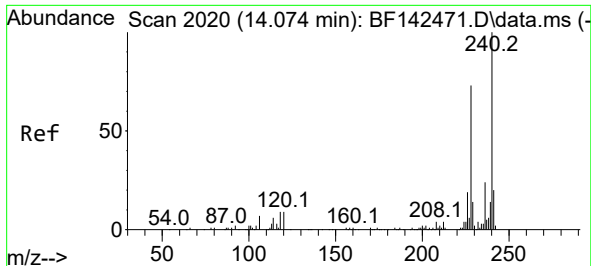
Ion Ratio Lower Upper

248 100

250 194.9 79.0 118.4#

141 444.6 58.4 87.6#

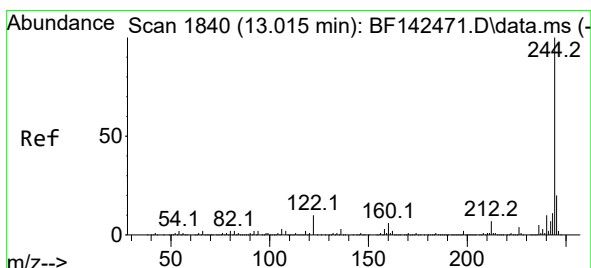
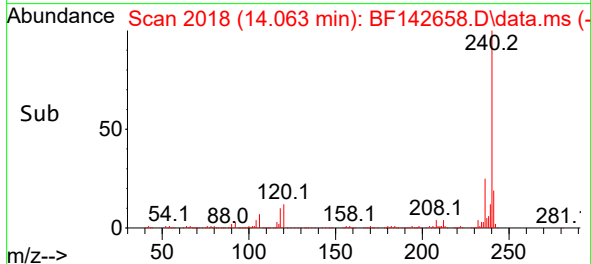
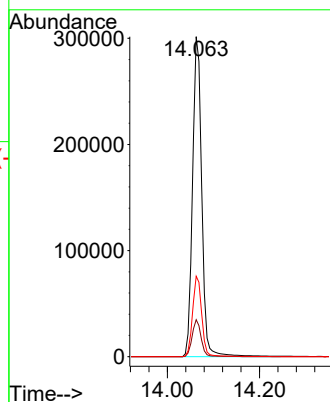
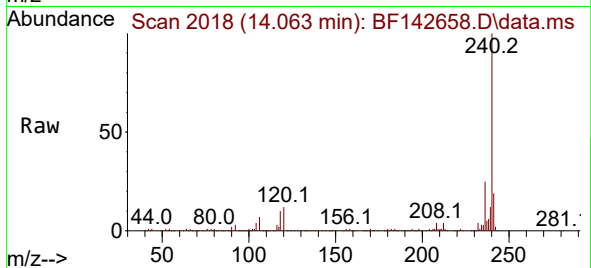




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF142658.D
Acq: 06 Jun 2025 21:02

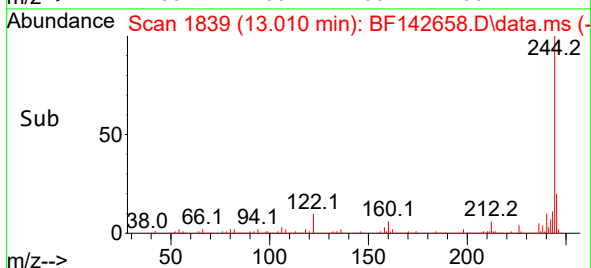
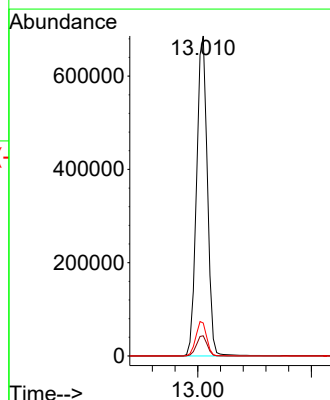
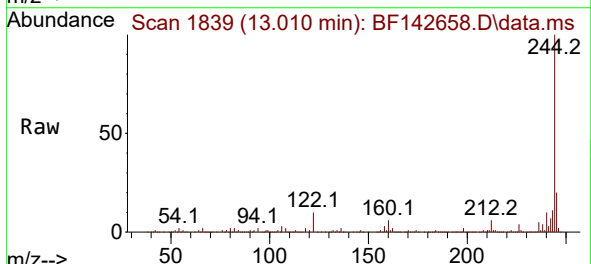
Instrument :
BNA_F
ClientSampleId :
EB05312025

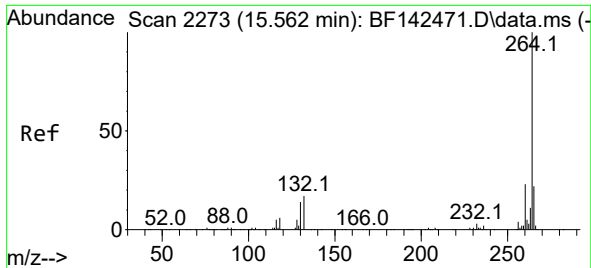
Tgt Ion:240 Resp: 417346
Ion Ratio Lower Upper
240 100
120 11.6 7.5 11.3#
236 25.2 19.6 29.4



#79
Terphenyl-d14
Concen: 29.820 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142658.D
Acq: 06 Jun 2025 21:02

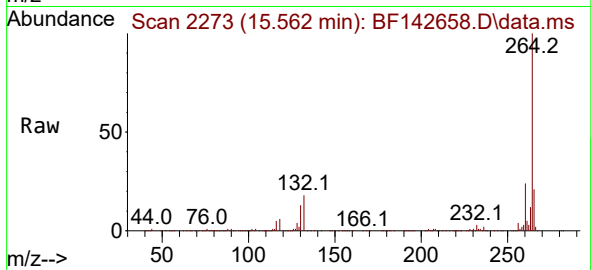
Tgt Ion:244 Resp: 910708
Ion Ratio Lower Upper
244 100
212 6.3 5.3 7.9
122 10.3 8.2 12.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142658.D
Acq: 06 Jun 2025 21:02

Instrument :
BNA_F
ClientSampleId :
EB05312025



Tgt Ion:264 Resp: 499853

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	21.4	17.7	26.5

