

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
 Data File : BF142966.D
 Acq On : 02 Jul 2025 12:46
 Operator : RC/JU
 Sample : Q2452-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Quant Time: Jul 02 13:20:33 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)

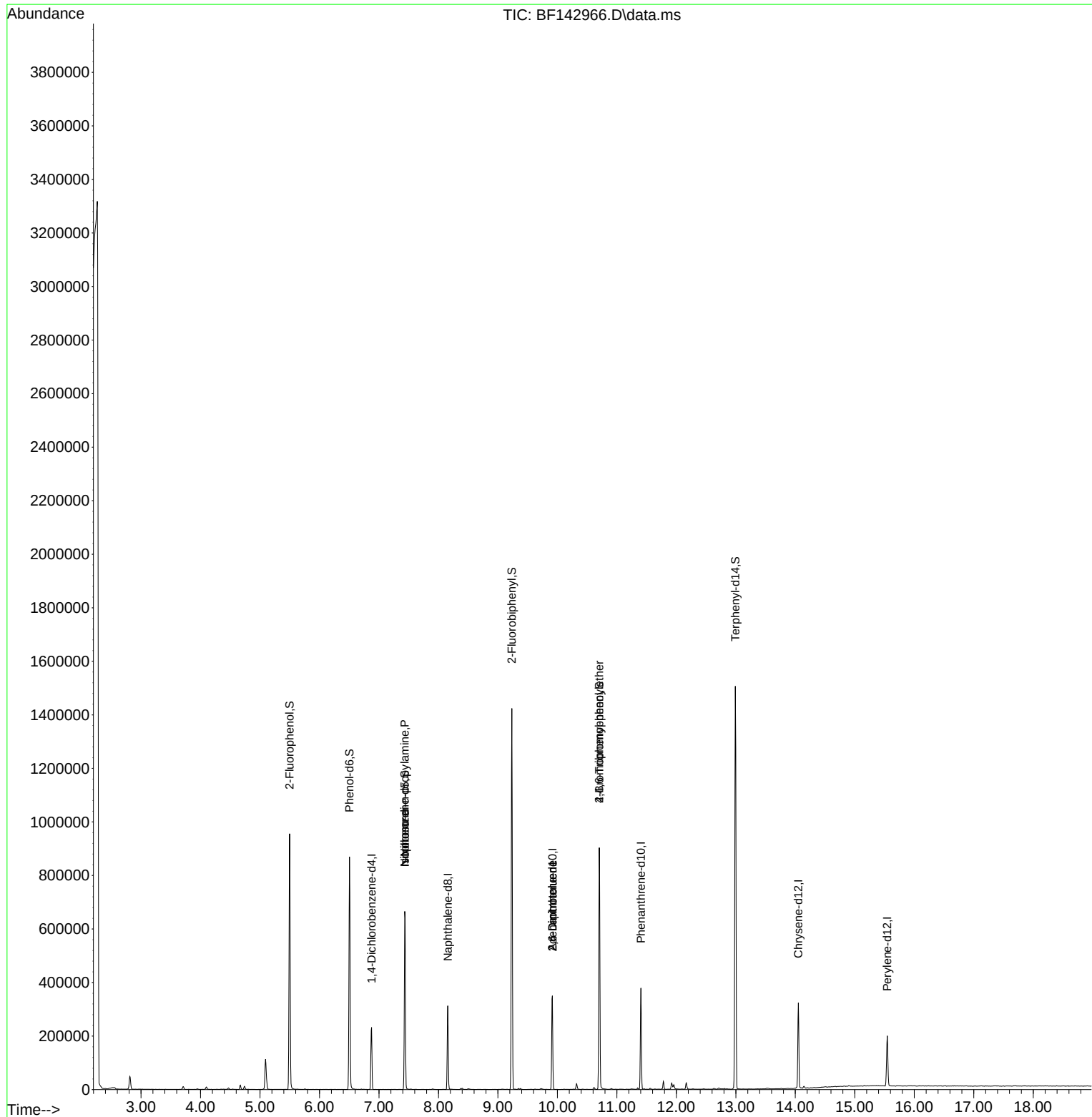
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	51874	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	198668	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	110123	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	193957	20.000	ng	0.00
76) Chrysene-d12	14.051	240	156469	20.000	ng	0.00
86) Perylene-d12	15.545	264	111790	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	366335	117.577	ng	0.00
7) Phenol-d6	6.504	99	403942	109.889	ng	0.00
23) Nitrobenzene-d5	7.434	82	289257	79.862	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	157951	139.380	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	630603	75.225	ng	-0.01
79) Terphenyl-d14	12.992	244	742834	65.596	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	38569	18.040	ng	# 76
25) Isophorone	7.434	82	289253	49.784	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	13378	8.546	ng	# 27
57) 2,4-Dinitrotoluene	9.916	165	13378	6.434	ng	# 28
67) 4-Bromophenyl-phenylether	10.704	248	10421	4.721	ng	# 1

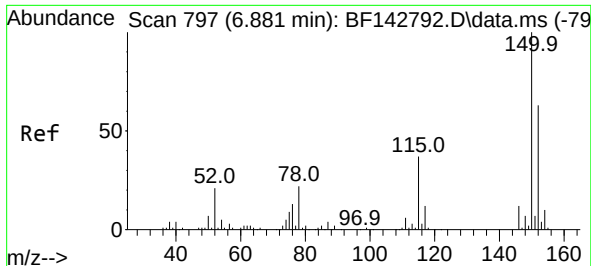
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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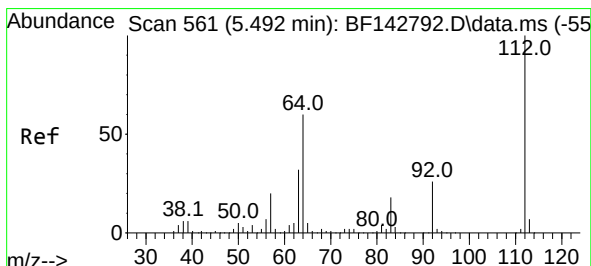
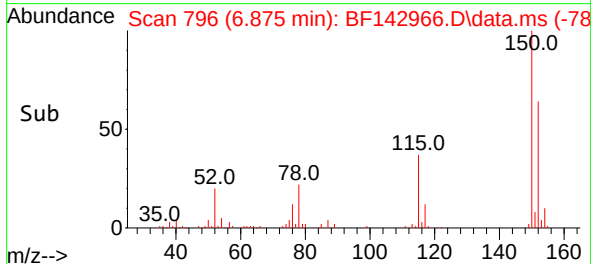
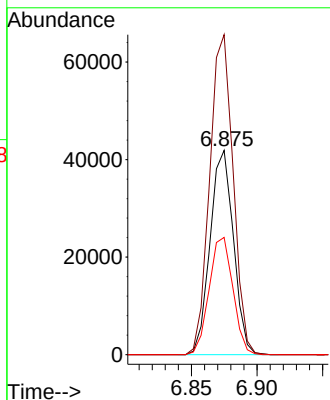
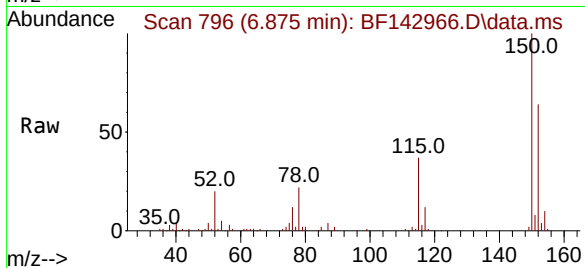




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF142966.D
Acq: 02 Jul 2025 12:46

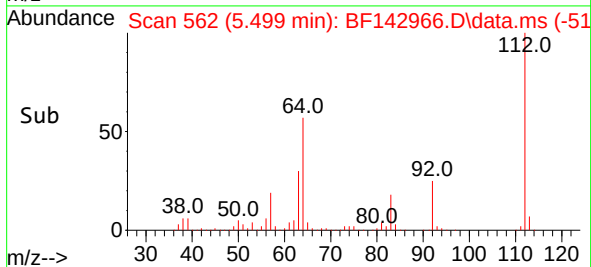
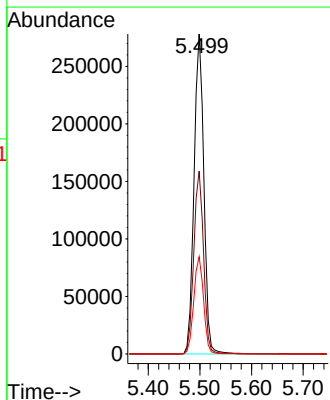
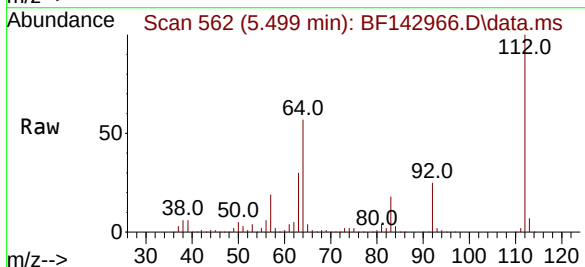
Instrument :
BNA_F
ClientSampleId :
TP-5

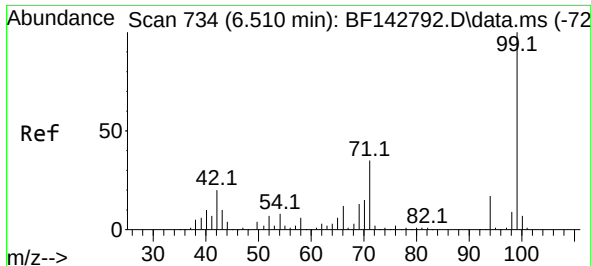
Tgt Ion:152 Resp: 51874
Ion Ratio Lower Upper
152 100
150 156.7 127.2 190.8
115 57.4 46.6 69.8



#5
2-Fluorophenol
Concen: 117.577 ng
RT: 5.499 min Scan# 562
Delta R.T. 0.007 min
Lab File: BF142966.D
Acq: 02 Jul 2025 12:46

Tgt Ion:112 Resp: 366335
Ion Ratio Lower Upper
112 100
64 57.1 48.2 72.2
63 30.4 25.7 38.5

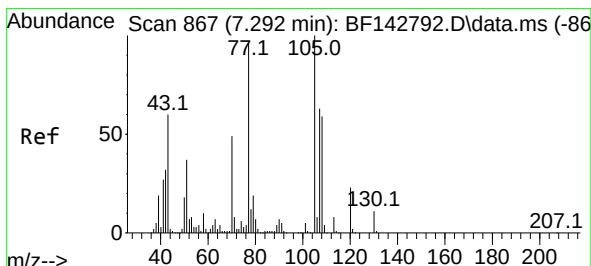
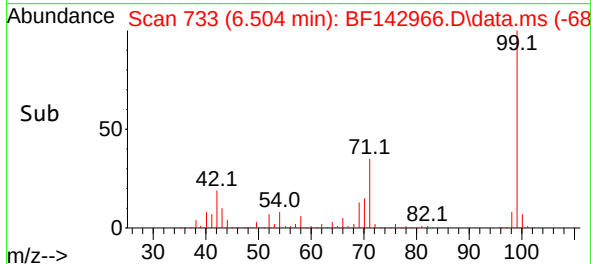
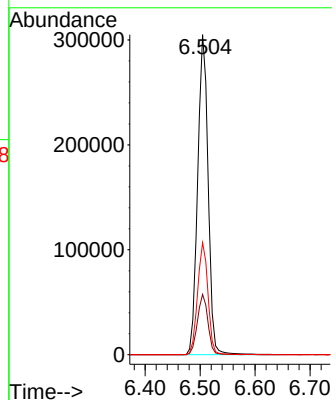
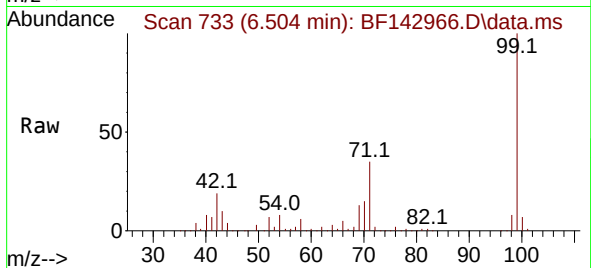




#7
Phenol-d6
Concen: 109.889 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142966.D
Acq: 02 Jul 2025 12:46

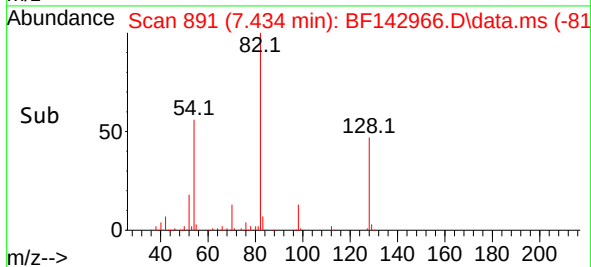
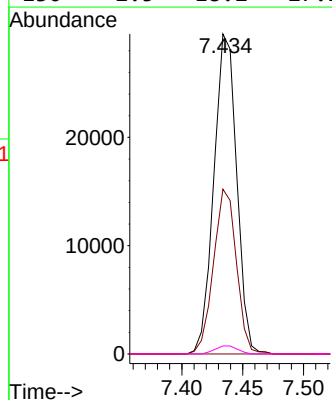
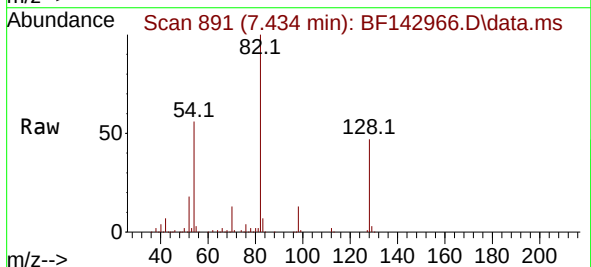
Instrument :
BNA_F
ClientSampleId :
TP-5

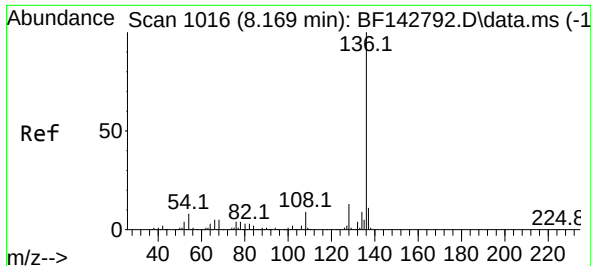
Tgt Ion: 99 Resp: 403942
Ion Ratio Lower Upper
99 100
42 18.9 15.9 23.9
71 35.0 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 18.040 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF142966.D
Acq: 02 Jul 2025 12:46

Tgt Ion: 70 Resp: 38569
Ion Ratio Lower Upper
70 100
42 51.5 52.1 78.1#
101 0.0 8.2 12.2#
130 2.5 18.2 27.2#



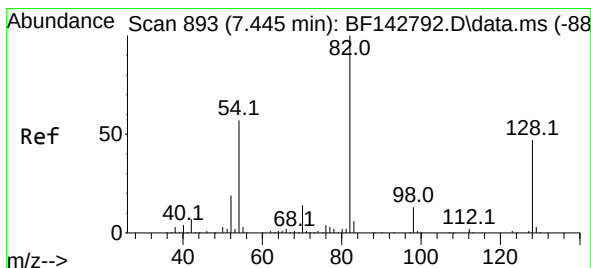
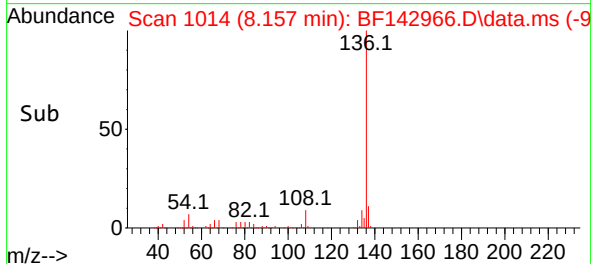
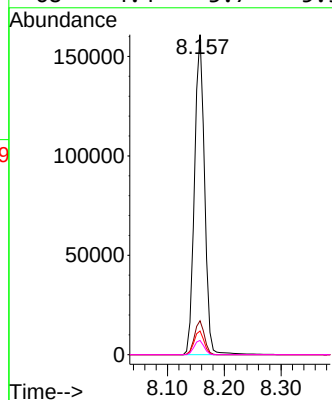
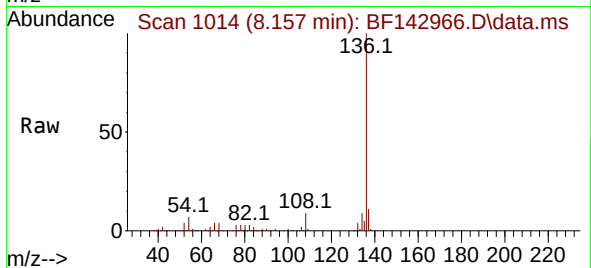


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142966.D
Acq: 02 Jul 2025 12:46

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:136 Resp: 198668

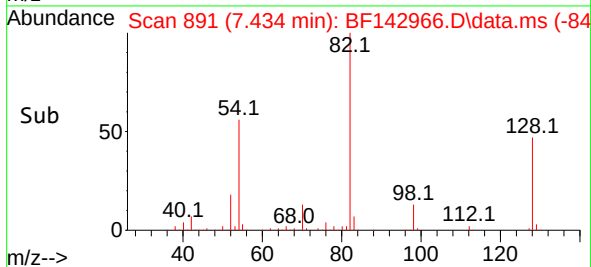
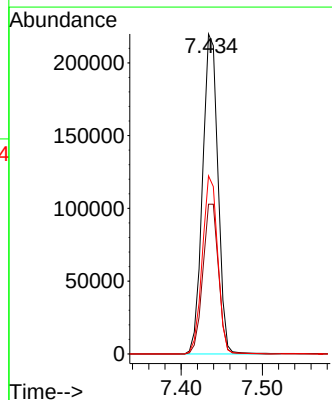
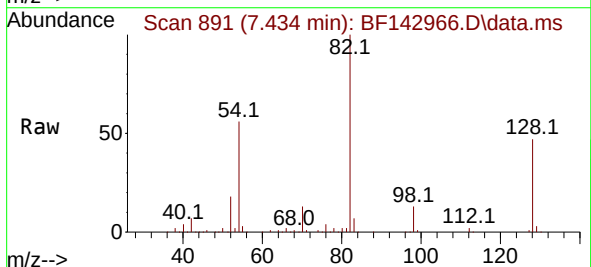
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	7.4	6.3	9.5
68	4.4	3.7	5.5

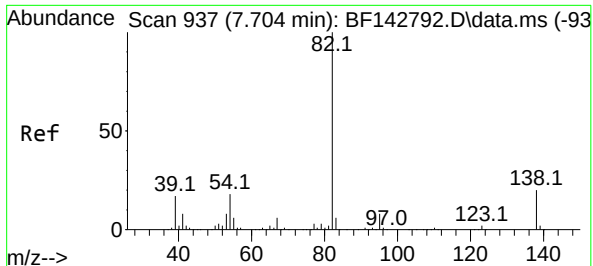


#23
Nitrobenzene-d5
Concen: 79.862 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF142966.D
Acq: 02 Jul 2025 12:46

Tgt Ion: 82 Resp: 289257

Ion	Ratio	Lower	Upper
82	100		
128	46.8	37.7	56.5
54	55.7	45.7	68.5

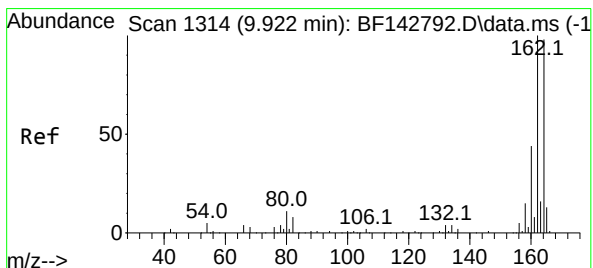
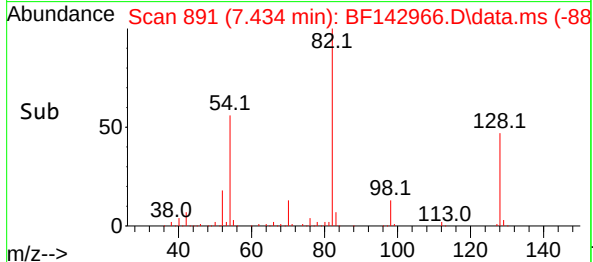
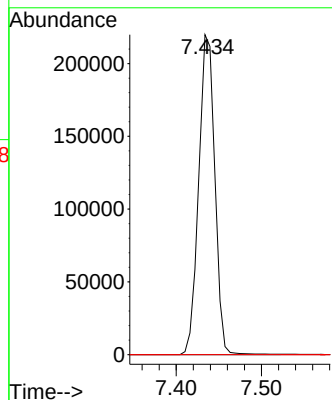
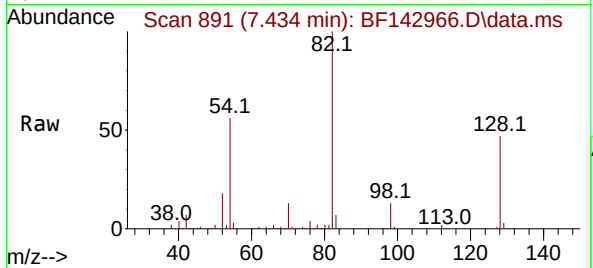




#25
Isophorone
Concen: 49.784 ng
RT: 7.434 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF142966.D
Acq: 02 Jul 2025 12:46

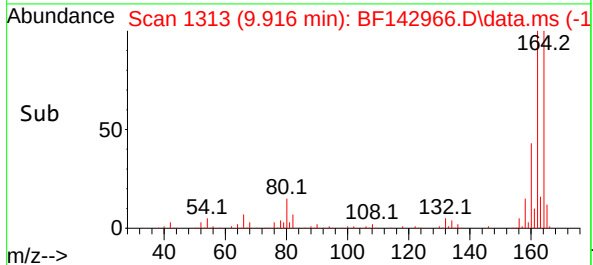
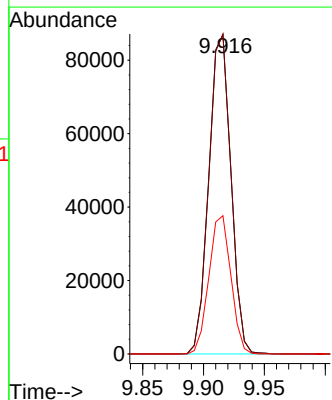
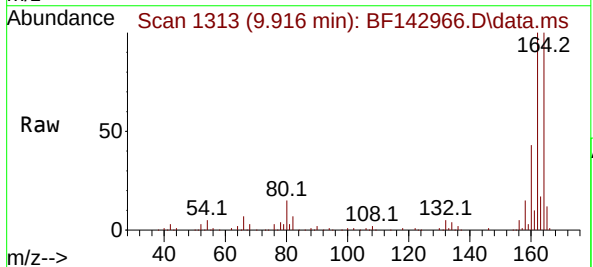
Instrument :
BNA_F
ClientSampleId :
TP-5

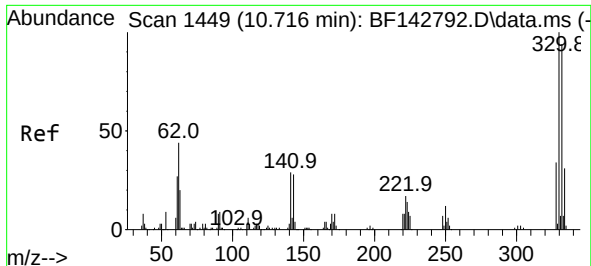
Tgt Ion: 82 Resp: 289253
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142966.D
Acq: 02 Jul 2025 12:46

Tgt Ion:164 Resp: 110123
Ion Ratio Lower Upper
164 100
162 100.3 81.8 122.8
160 43.3 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 139.380 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF142966.D

Acq: 02 Jul 2025 12:46

Instrument :

BNA_F

ClientSampleId :

TP-5

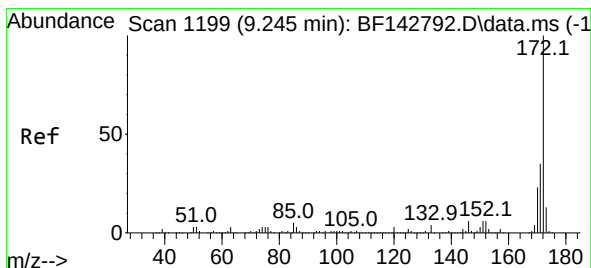
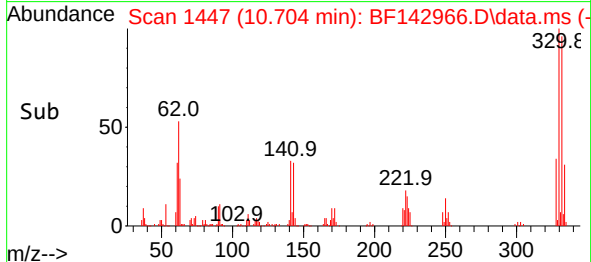
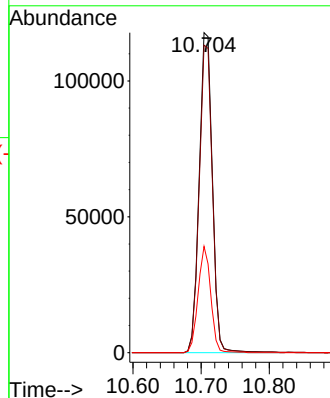
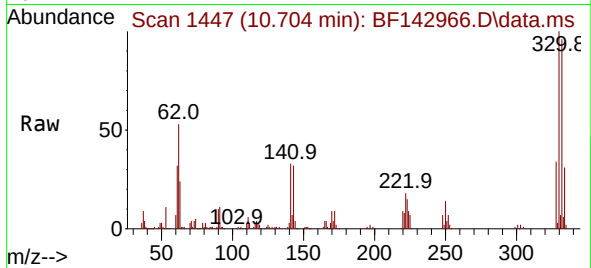
Tgt Ion:330 Resp: 157951

Ion Ratio Lower Upper

330 100

332 95.8 75.0 112.6

141 31.7 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 75.225 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.011 min

Lab File: BF142966.D

Acq: 02 Jul 2025 12:46

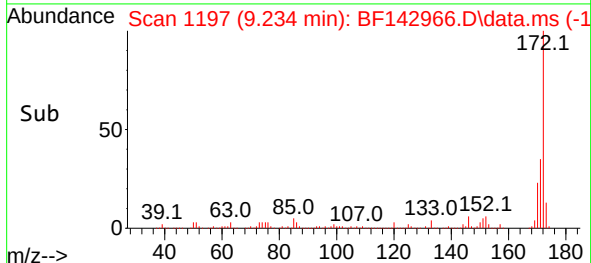
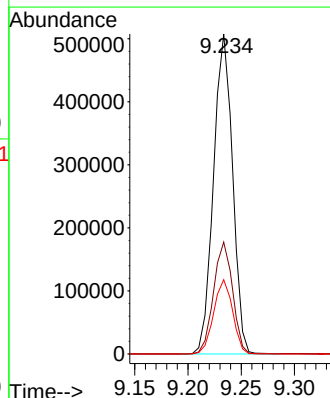
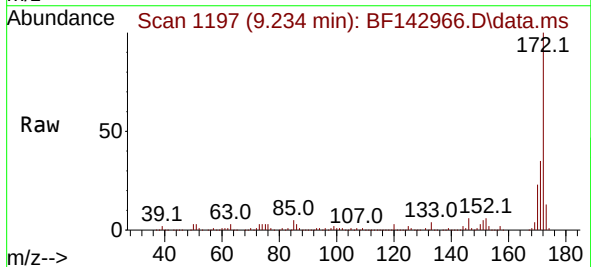
Tgt Ion:172 Resp: 630603

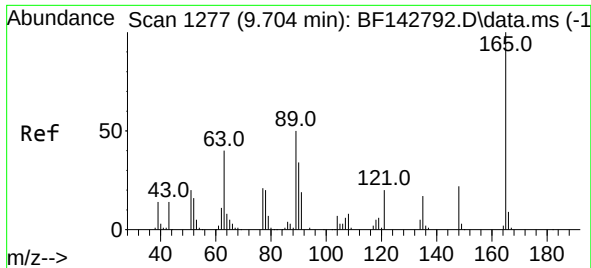
Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

170 23.2 18.5 27.7

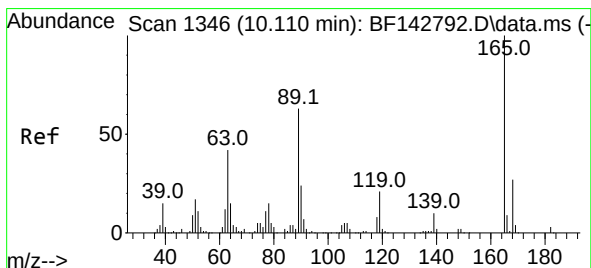
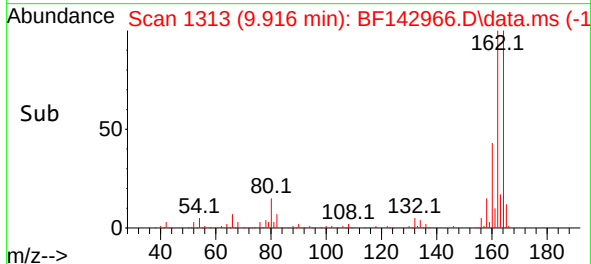
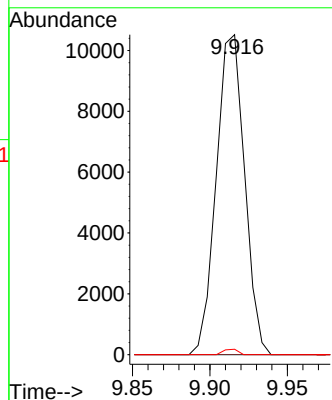
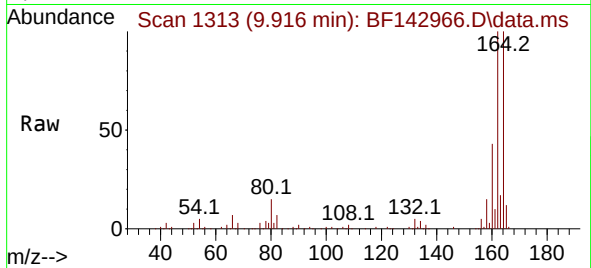




#51
2,6-Dinitrotoluene
Concen: 8.546 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142966.D
Acq: 02 Jul 2025 12:46

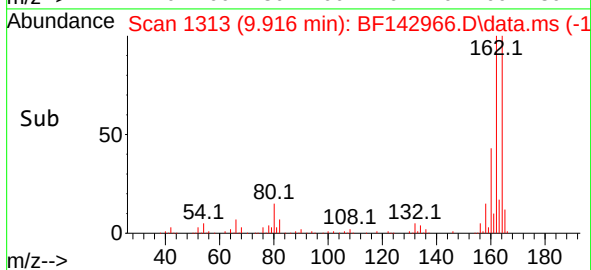
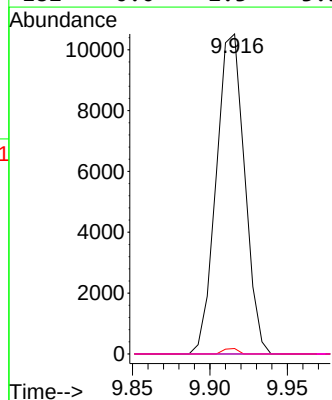
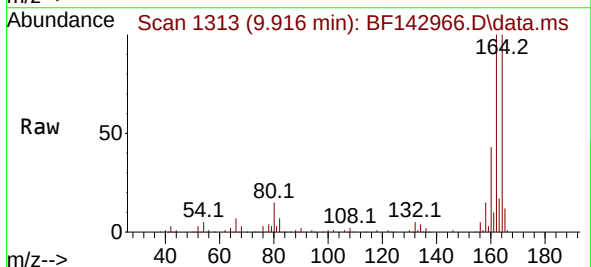
Instrument :
BNA_F
ClientSampleId :
TP-5

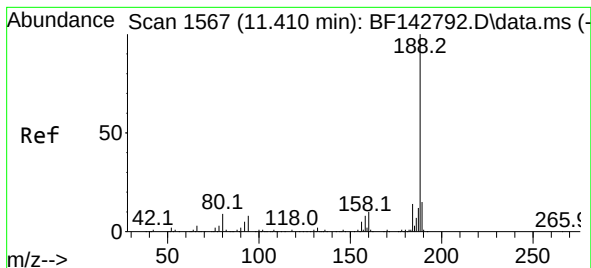
Tgt Ion:165 Resp: 13378
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 1.7 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.434 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142966.D
Acq: 02 Jul 2025 12:46

Tgt Ion:165 Resp: 13378
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 1.7 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: BF142966.D

Acq: 02 Jul 2025 12:46

Instrument :

BNA_F

ClientSampleId :

TP-5

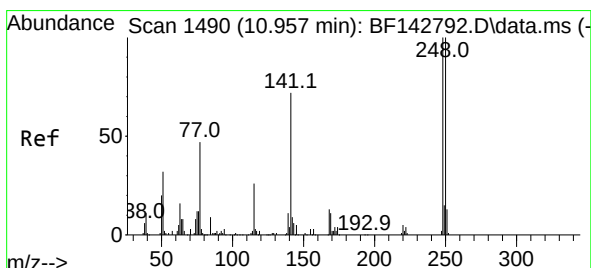
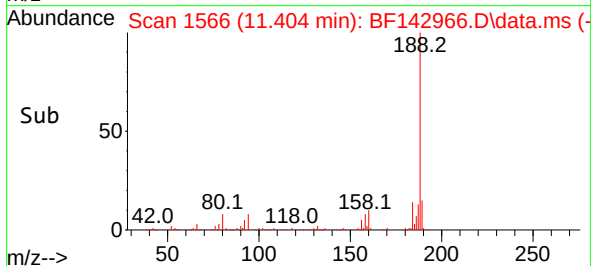
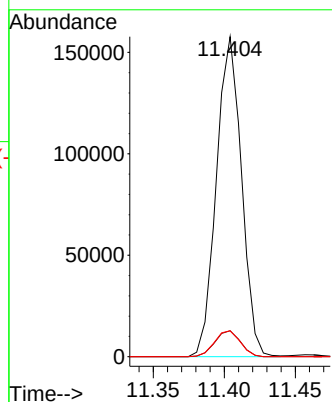
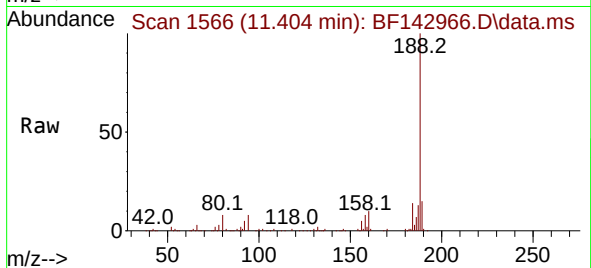
Tgt Ion:188 Resp: 193957

Ion Ratio Lower Upper

188 100

94 8.1 6.7 10.1

80 8.1 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 4.721 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.253 min

Lab File: BF142966.D

Acq: 02 Jul 2025 12:46

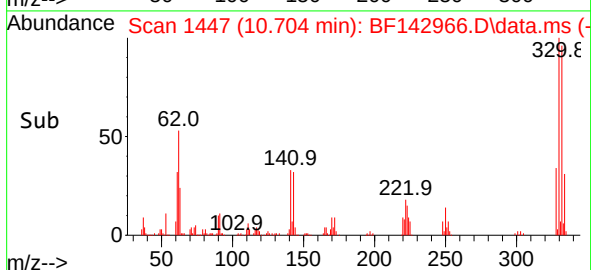
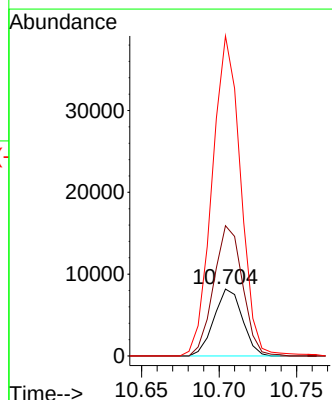
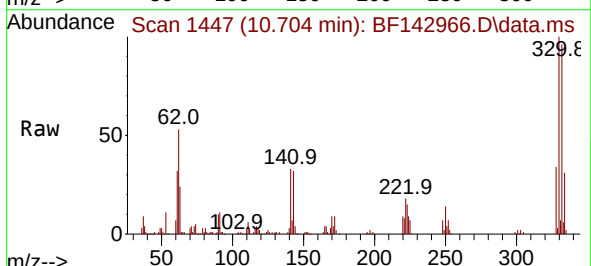
Tgt Ion:248 Resp: 10421

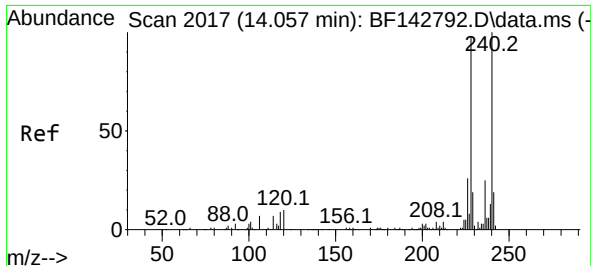
Ion Ratio Lower Upper

248 100

250 194.6 79.8 119.8#

141 478.2 57.8 86.6#

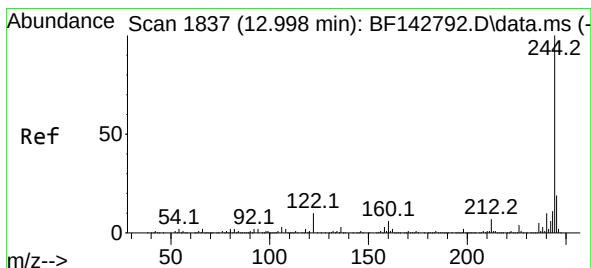
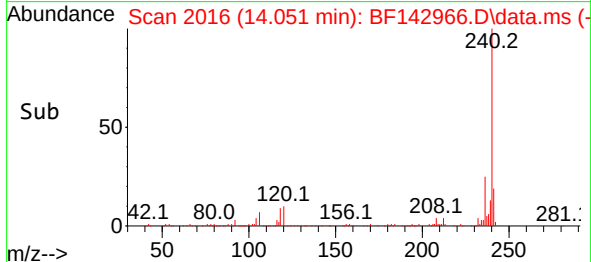
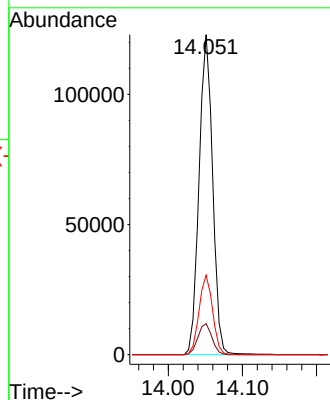
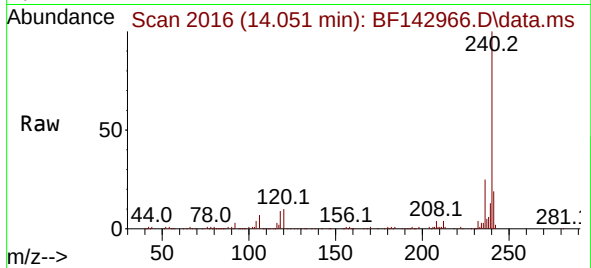




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142966.D
Acq: 02 Jul 2025 12:46

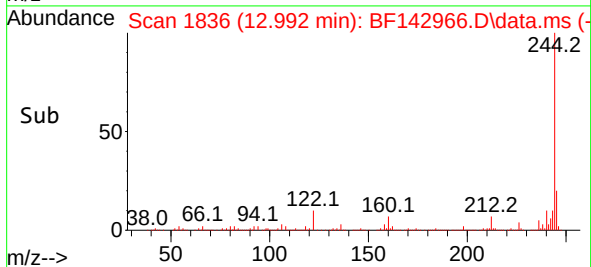
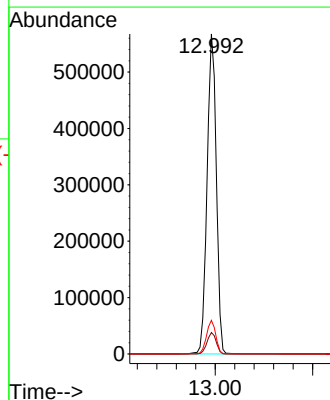
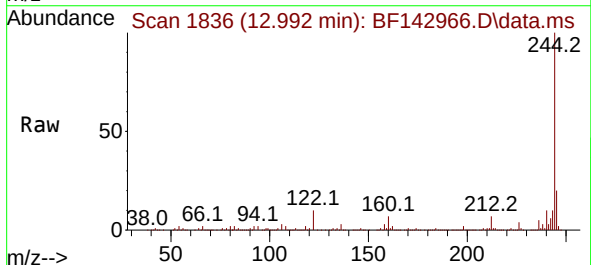
Instrument :
BNA_F
ClientSampleId :
TP-5

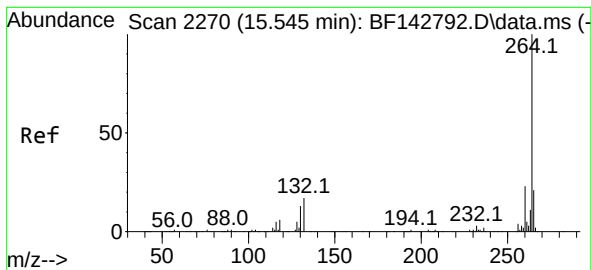
Tgt Ion:240 Resp: 156469
Ion Ratio Lower Upper
240 100
120 9.7 8.2 12.2
236 24.9 19.8 29.8



#79
Terphenyl-d14
Concen: 65.596 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF142966.D
Acq: 02 Jul 2025 12:46

Tgt Ion:244 Resp: 742834
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.0
122 10.5 8.2 12.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142966.D

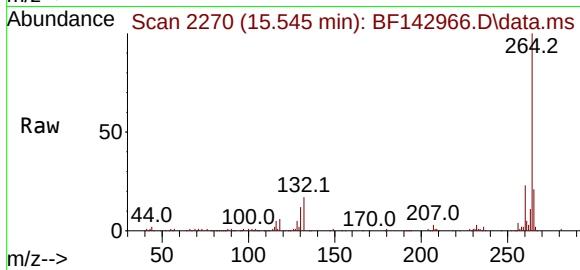
Acq: 02 Jul 2025 12:46

Instrument :

BNA_F

ClientSampleId :

TP-5



Tgt Ion:264 Resp: 111790

Ion Ratio Lower Upper

264 100

260 22.5 18.1 27.1

265 20.8 16.6 25.0

