

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100825\
 Data File : BF143892.D
 Acq On : 08 Oct 2025 13:40
 Operator : RC/JU
 Sample : PB170020BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB170020BL

Quant Time: Oct 08 14:18:43 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)

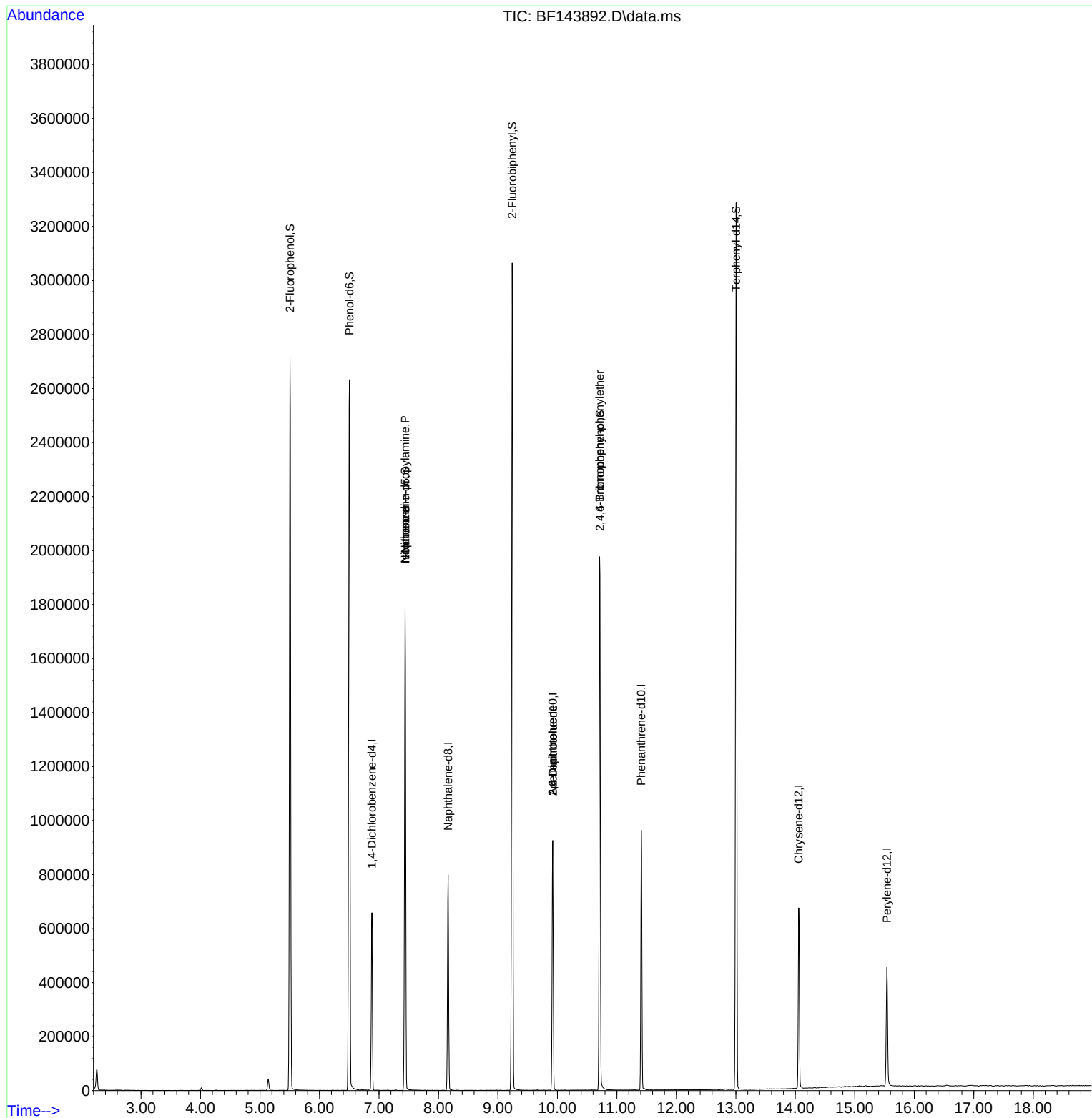
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	134521	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	517410	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	285939	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	510882	20.000	ng	0.00
76) Chrysene-d12	14.057	240	330902	20.000	ng	-0.01
86) Perylene-d12	15.539	264	282263	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1075820	126.998	ng	0.00
7) Phenol-d6	6.504	99	1292417	127.997	ng	-0.01
23) Nitrobenzene-d5	7.440	82	818734	96.137	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	402684	141.391	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1556997	86.401	ng	-0.01
79) Terphenyl-d14	13.004	244	1816751	93.833	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	120833	17.483	ng	# 77
25) Isophorone	7.440	82	665805	37.077	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	35172	10.446	ng	# 26
57) 2,4-Dinitrotoluene	9.922	165	35172	7.677	ng	# 27
67) 4-Bromophenyl-phenylether	10.710	248	23869	4.228	ng	# 1

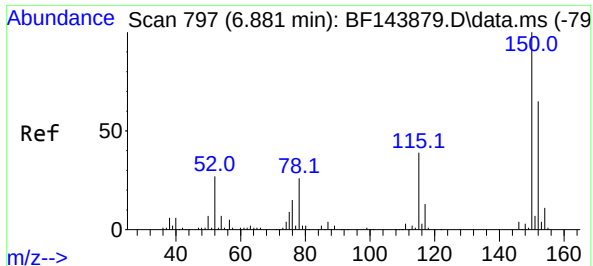
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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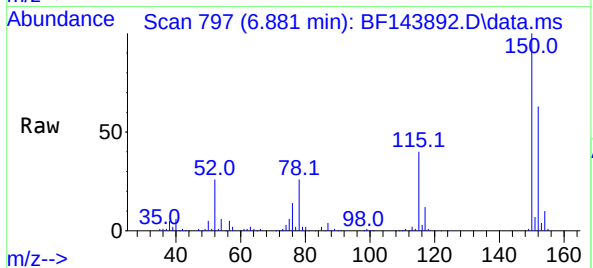
Quant Time: Oct 08 14:18:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
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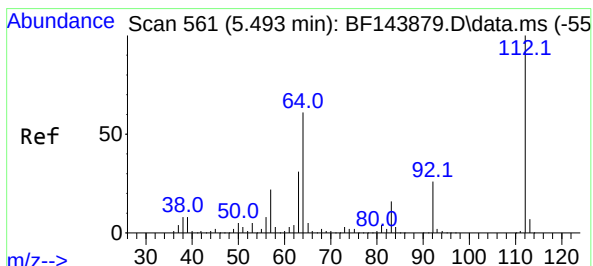
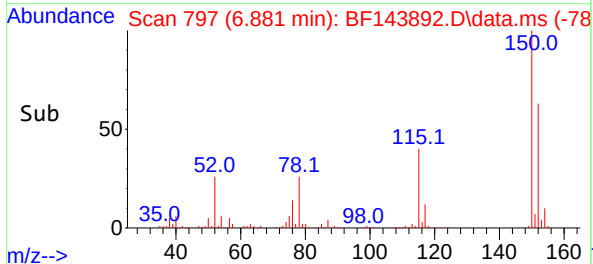
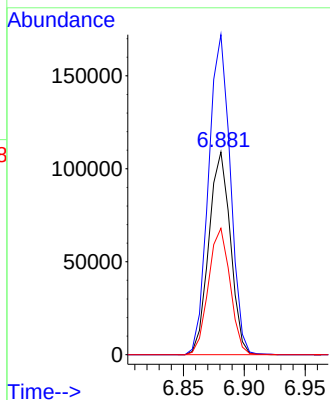


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143892.D
Acq: 08 Oct 2025 13:40

Instrument :
BNA_F
ClientSampleId :
PB170020BL

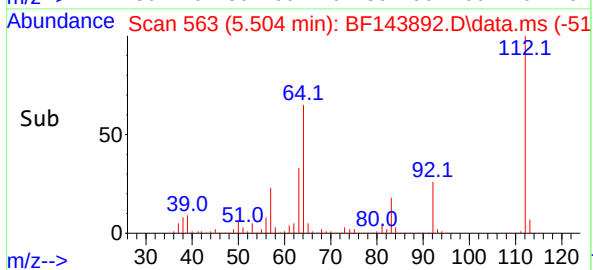
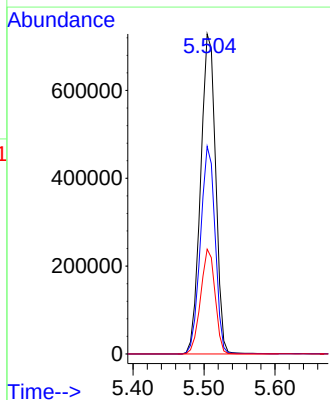
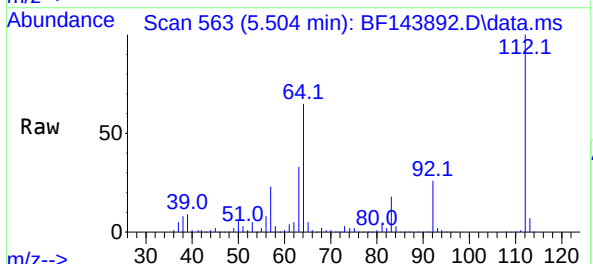


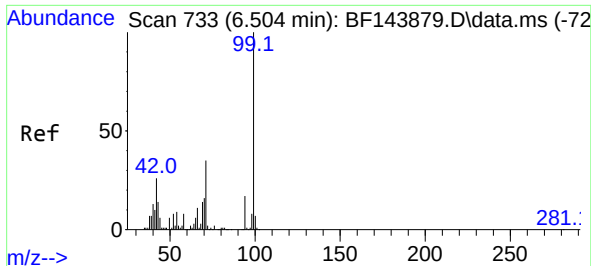
Tgt Ion:152 Resp: 134521
Ion Ratio Lower Upper
152 100
150 157.9 124.4 186.6
115 62.4 48.1 72.1



#5
2-Fluorophenol
Concen: 126.998 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.006 min
Lab File: BF143892.D
Acq: 08 Oct 2025 13:40

Tgt Ion:112 Resp: 1075820
Ion Ratio Lower Upper
112 100
64 64.9 49.1 73.7
63 32.7 24.5 36.7

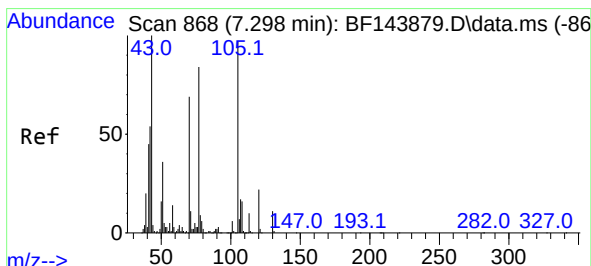
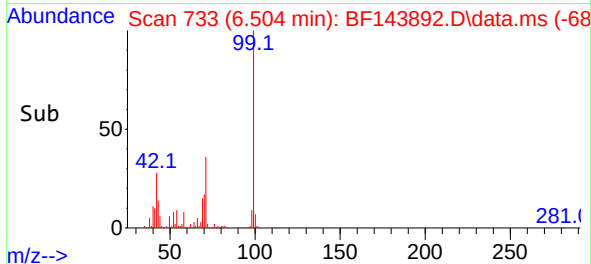
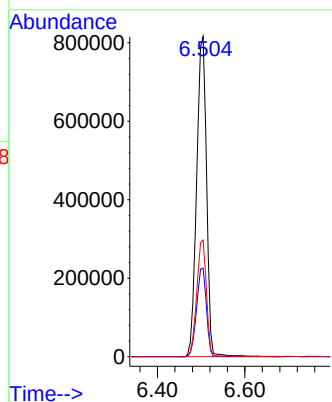
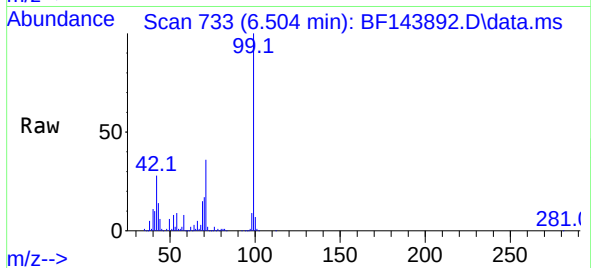




#7
Phenol-d6
Concen: 127.997 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF143892.D
Acq: 08 Oct 2025 13:40

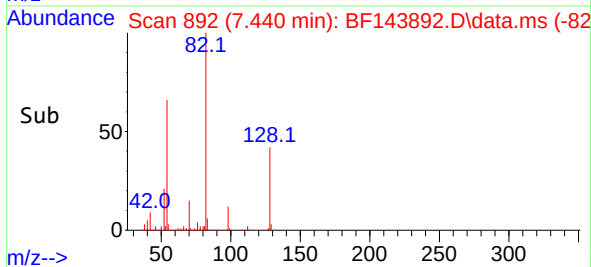
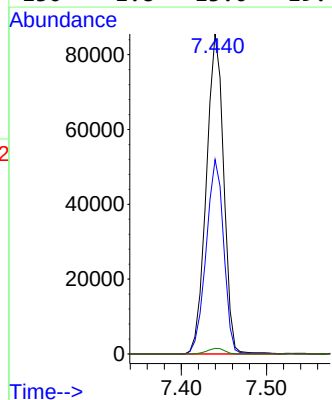
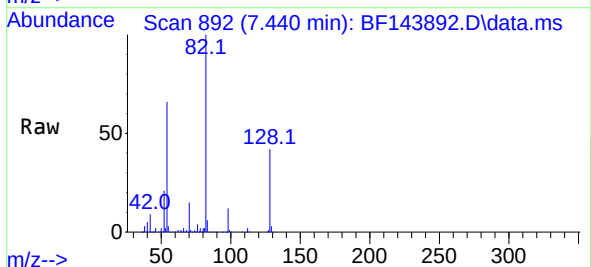
Instrument :
BNA_F
ClientSampleId :
PB170020BL

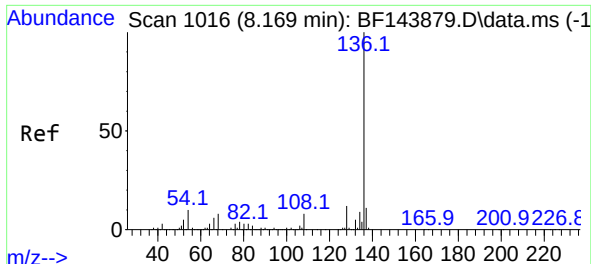
Tgt Ion: 99 Resp: 1292417
Ion Ratio Lower Upper
99 100
42 27.7 21.0 31.4
71 36.5 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 17.483 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF143892.D
Acq: 08 Oct 2025 13:40

Tgt Ion: 70 Resp: 120833
Ion Ratio Lower Upper
70 100
42 60.7 62.8 94.2#
101 0.0 6.7 10.1#
130 1.8 13.0 19.4#



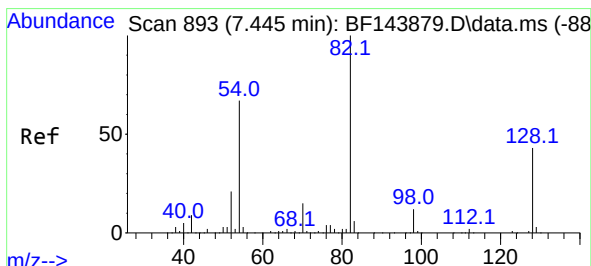
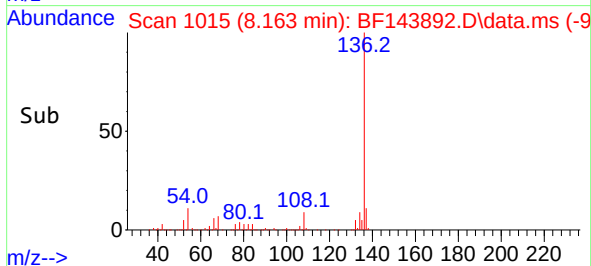
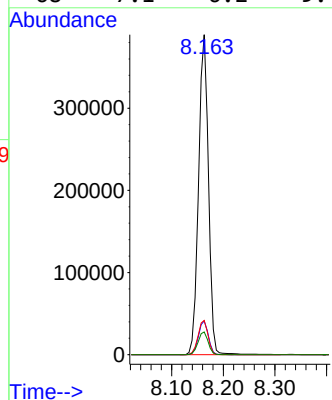
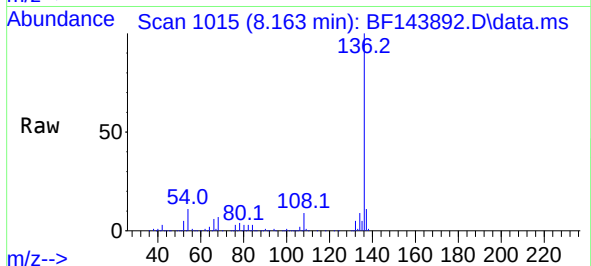


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143892.D
Acq: 08 Oct 2025 13:40

Instrument :
BNA_F
ClientSampleId :
PB170020BL

Tgt Ion:136 Resp: 517410

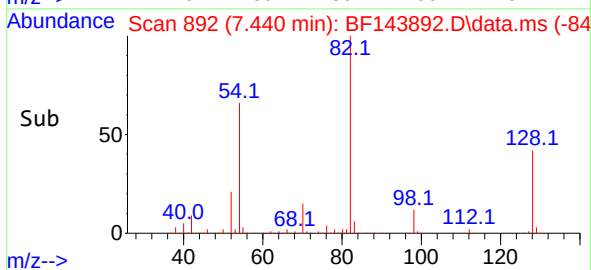
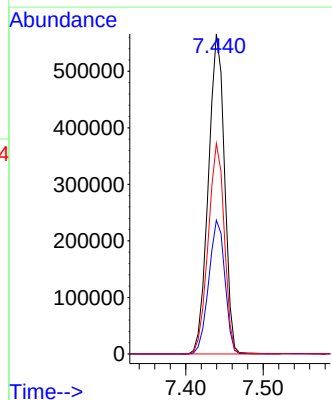
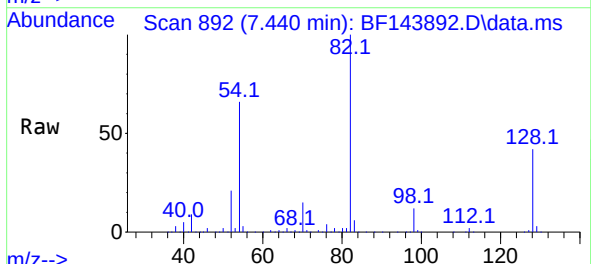
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	10.7	8.2	12.4
68	7.1	6.2	9.4

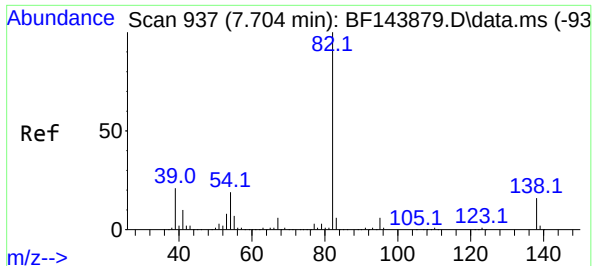


#23
Nitrobenzene-d5
Concen: 96.137 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.018 min
Lab File: BF143892.D
Acq: 08 Oct 2025 13:40

Tgt Ion: 82 Resp: 818734

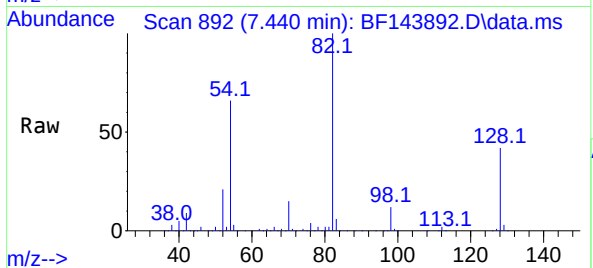
Ion	Ratio	Lower	Upper
82	100		
128	41.8	34.0	51.0
54	65.8	53.2	79.8



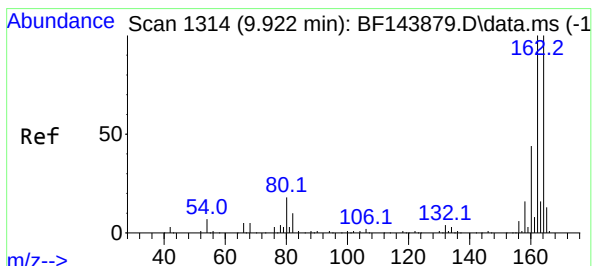
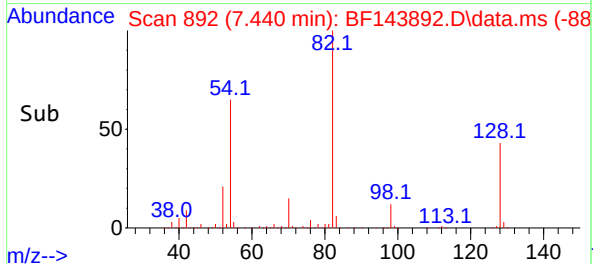
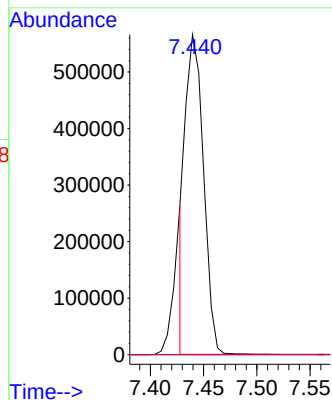


#25
Isophorone
Concen: 37.077 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.282 min
Lab File: BF143892.D
Acq: 08 Oct 2025 13:40

Instrument :
BNA_F
ClientSampleId :
PB170020BL

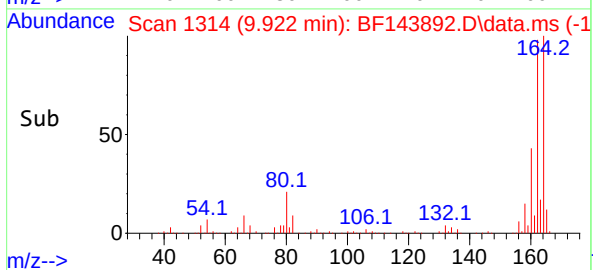
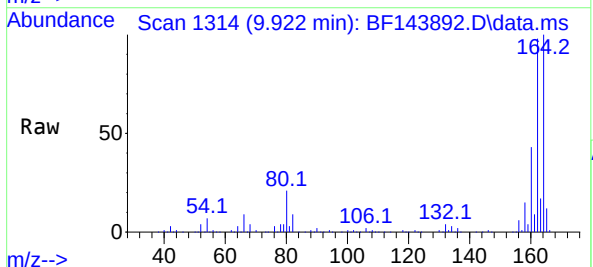
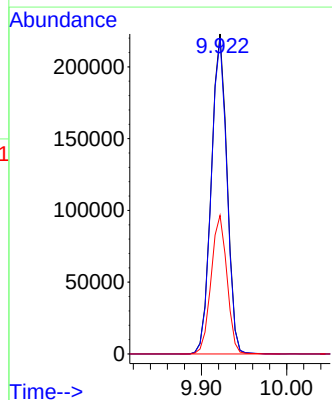


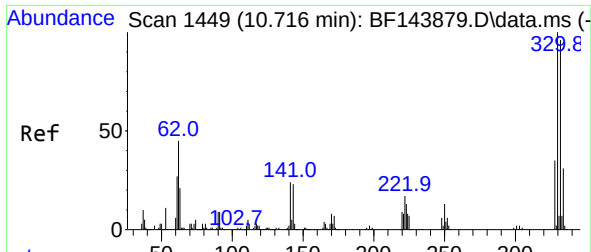
Tgt Ion: 82 Resp: 665805
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143892.D
Acq: 08 Oct 2025 13:40

Tgt Ion:164 Resp: 285939
Ion Ratio Lower Upper
164 100
162 98.3 80.2 120.2
160 43.3 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 141.391 ng

RT: 10.716 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF143892.D

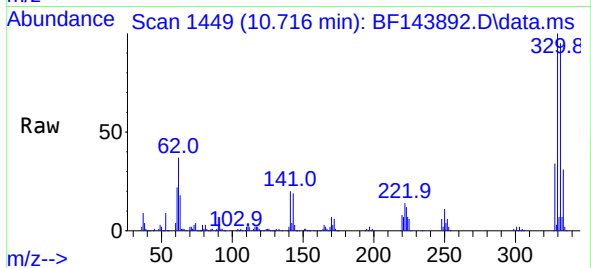
Acq: 08 Oct 2025 13:40

Instrument :

BNA_F

ClientSampleId :

PB170020BL



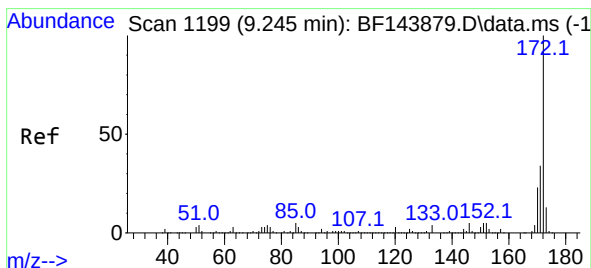
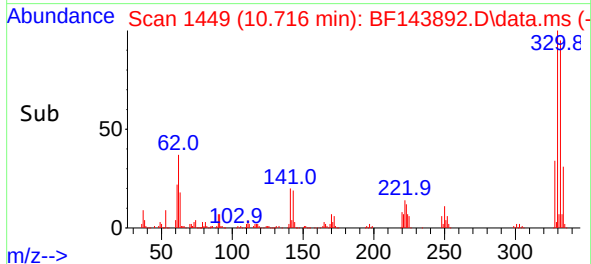
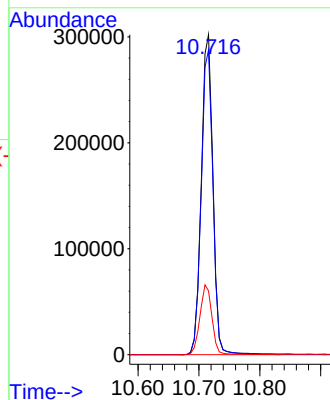
Tgt Ion:330 Resp: 402684

Ion Ratio Lower Upper

330 100

332 96.0 76.9 115.3

141 22.6 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 86.401 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF143892.D

Acq: 08 Oct 2025 13:40

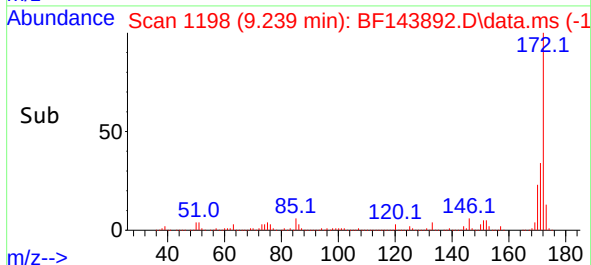
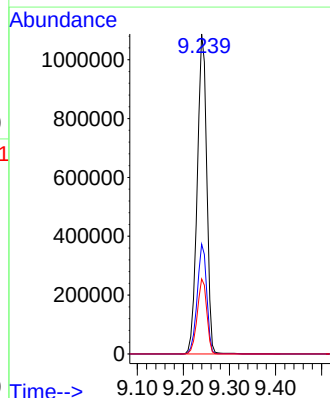
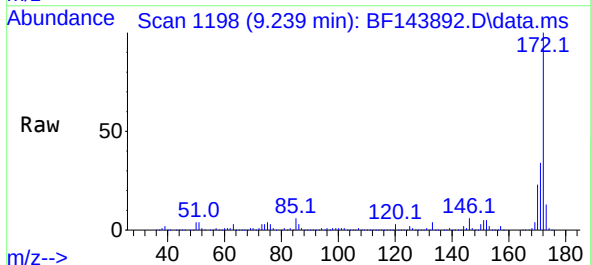
Tgt Ion:172 Resp: 1556997

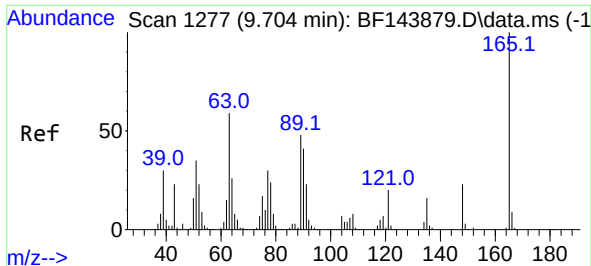
Ion Ratio Lower Upper

172 100

171 34.3 27.4 41.0

170 23.5 18.6 28.0

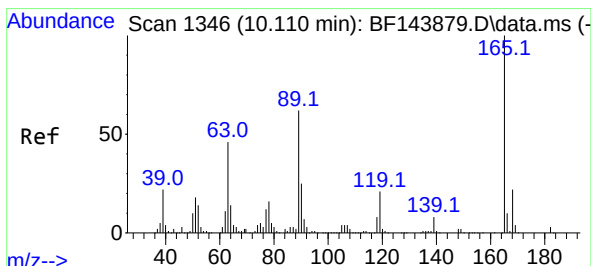
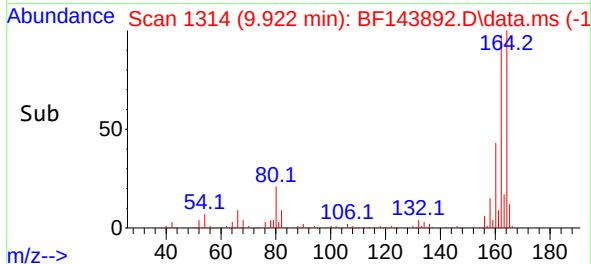
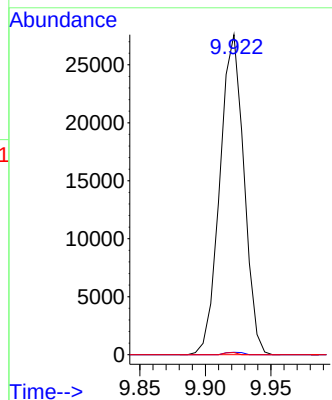
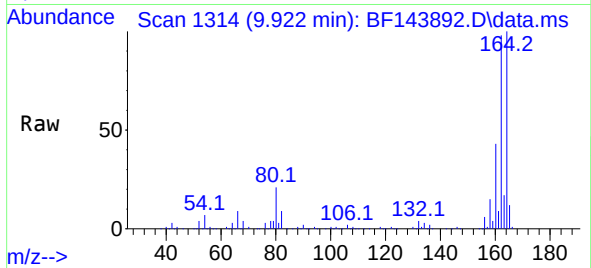




#51
2,6-Dinitrotoluene
Concen: 10.446 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF143892.D
Acq: 08 Oct 2025 13:40

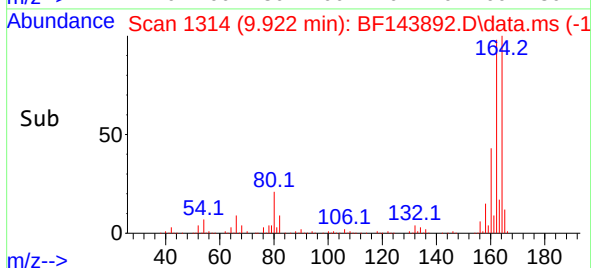
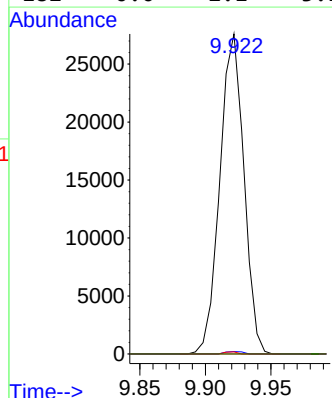
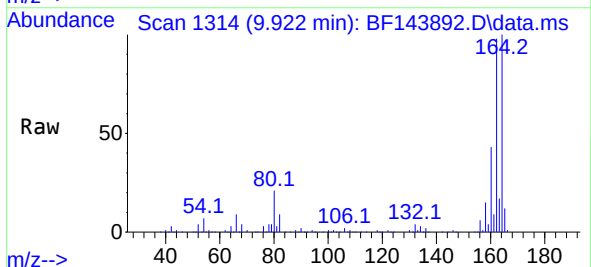
Instrument :
BNA_F
ClientSampleId :
PB170020BL

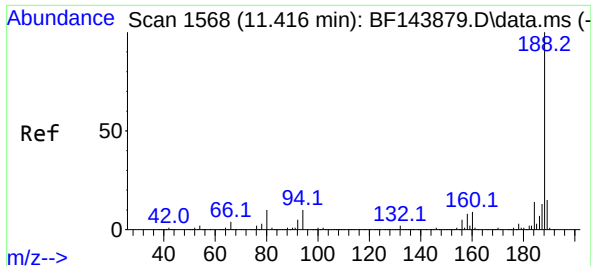
Tgt Ion:165 Resp: 35172
Ion Ratio Lower Upper
165 100
63 0.8 47.3 70.9#
89 0.7 38.2 57.4#



#57
2,4-Dinitrotoluene
Concen: 7.677 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.194 min
Lab File: BF143892.D
Acq: 08 Oct 2025 13:40

Tgt Ion:165 Resp: 35172
Ion Ratio Lower Upper
165 100
63 0.8 37.2 55.8#
89 0.7 49.4 74.2#
182 0.0 2.1 3.1#

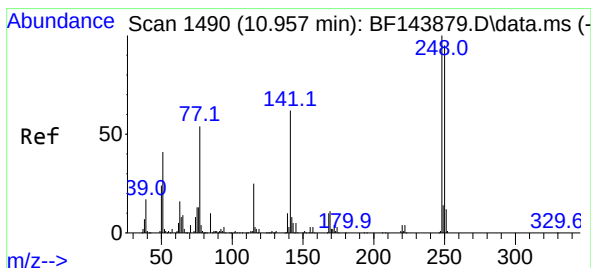
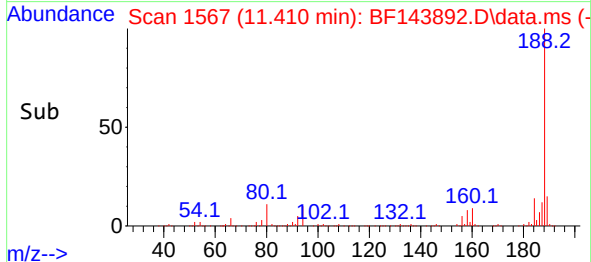
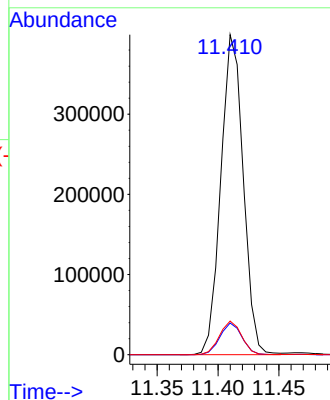
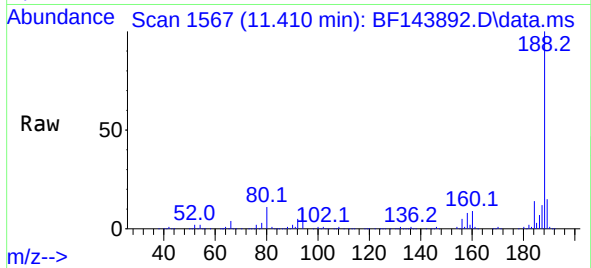




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143892.D
Acq: 08 Oct 2025 13:40

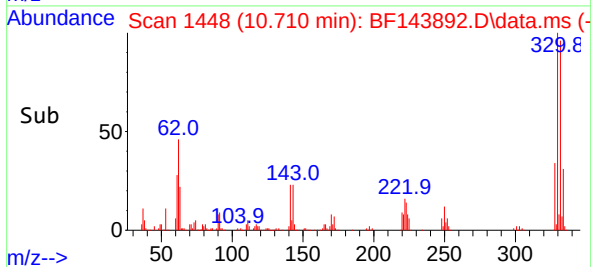
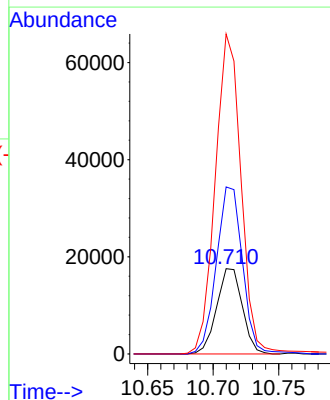
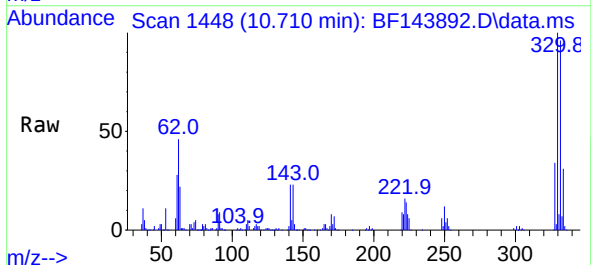
Instrument :
BNA_F
ClientSampleId :
PB170020BL

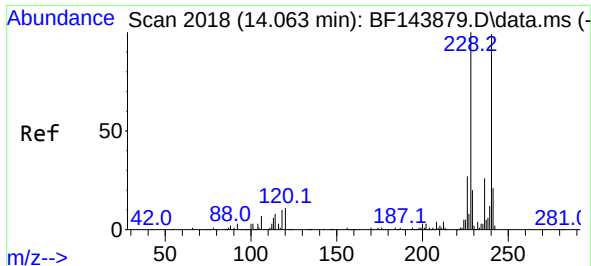
Tgt Ion:188 Resp: 510882
Ion Ratio Lower Upper
188 100
94 9.9 7.8 11.6
80 10.5 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 4.228 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.253 min
Lab File: BF143892.D
Acq: 08 Oct 2025 13:40

Tgt Ion:248 Resp: 23869
Ion Ratio Lower Upper
248 100
250 195.9 76.3 114.5#
141 375.2 49.7 74.5#

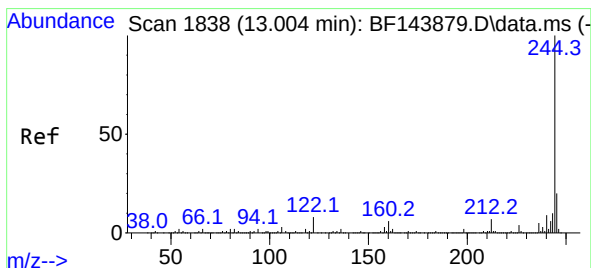
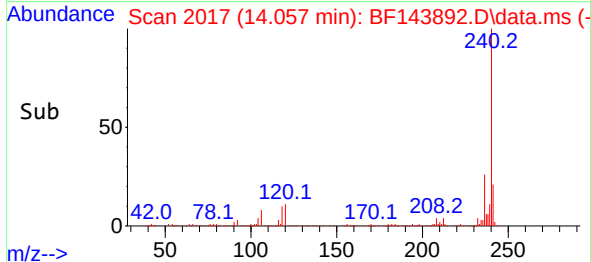
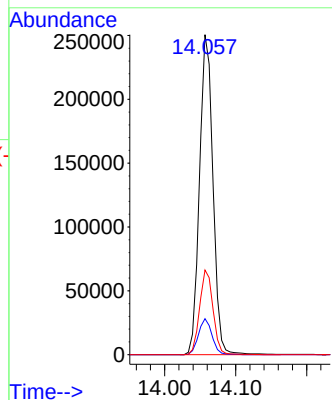
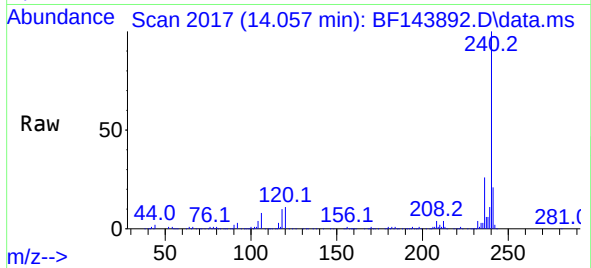




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 20
Delta R.T. -0.011 min
Lab File: BF143892.D
Acq: 08 Oct 2025 13:40

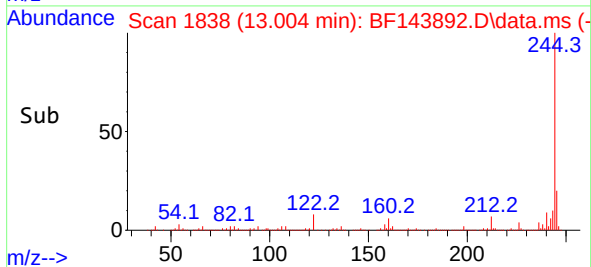
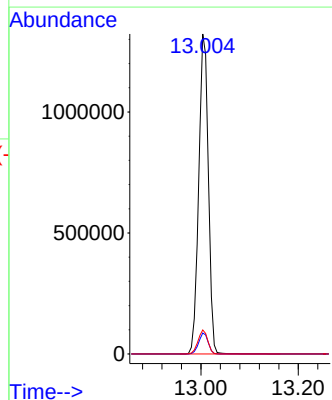
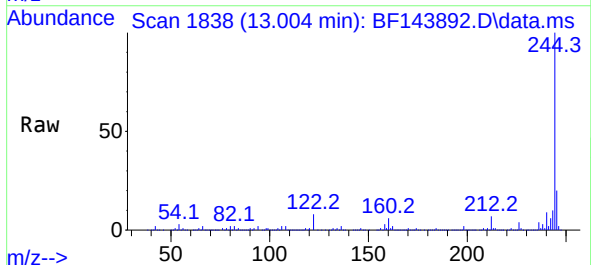
Instrument :
BNA_F
ClientSampleId :
PB170020BL

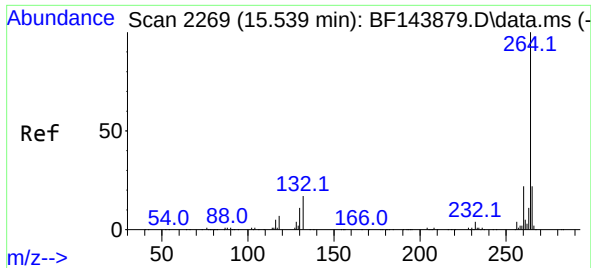
Tgt Ion:240 Resp: 330902
Ion Ratio Lower Upper
240 100
120 11.3 8.6 13.0
236 26.4 21.1 31.7



#79
Terphenyl-d14
Concen: 93.833 ng
RT: 13.004 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF143892.D
Acq: 08 Oct 2025 13:40

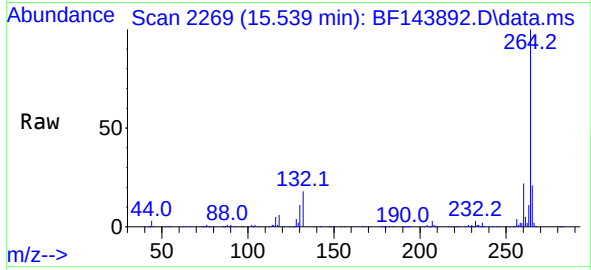
Tgt Ion:244 Resp: 1816751
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.0
122 7.5 6.4 9.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF143892.D
 Acq: 08 Oct 2025 13:40

Instrument :
 BNA_F
 ClientSampleId :
 PB170020BL



Tgt Ion:264 Resp: 282263

Ion	Ratio	Lower	Upper
264	100		
260	21.6	17.8	26.8
265	21.1	17.5	26.3

