

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
 Data File : BF143987.D
 Acq On : 17 Oct 2025 16:09
 Operator : RC/JU
 Sample : PB170116TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB170116TB

Quant Time: Oct 17 16:29:34 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)

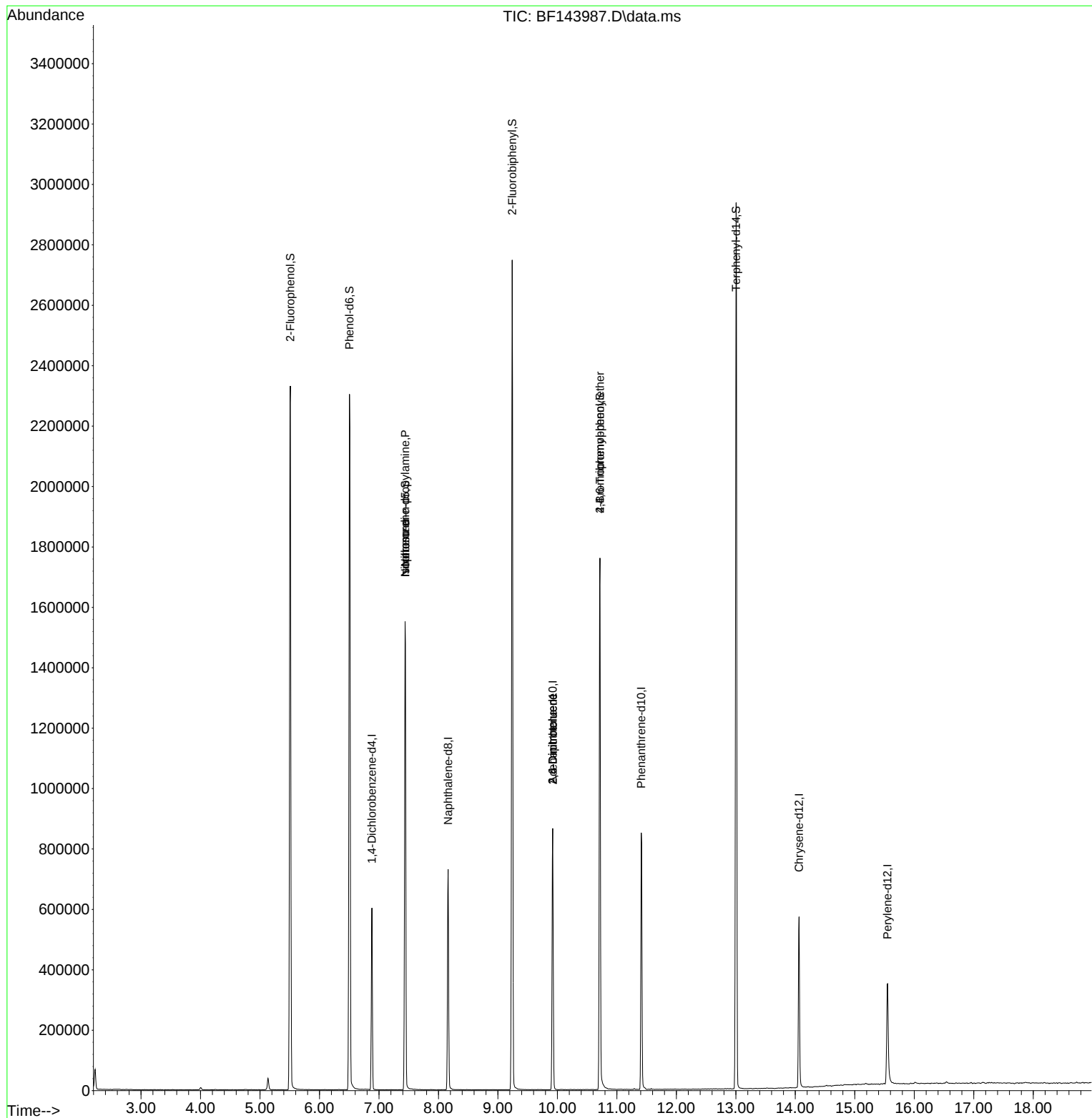
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	124101	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	484858	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	277642	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	478688	20.000	ng	0.00
76) Chrysene-d12	14.063	240	302571	20.000	ng	0.00
86) Perylene-d12	15.551	264	258607	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	959633	122.794	ng	0.01
7) Phenol-d6	6.504	99	1127218	121.009	ng	-0.01
23) Nitrobenzene-d5	7.439	82	725199	90.871	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	374785	135.528	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1398758	79.940	ng	-0.01
79) Terphenyl-d14	13.004	244	1645637	92.954	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.439	70	105974	16.620	ng	# 77
25) Isophorone	7.439	82	618370	36.748	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	33987	10.395	ng	# 26
57) 2,4-Dinitrotoluene	9.922	165	33987	7.640	ng	# 27
67) 4-Bromophenyl-phenylether	10.716	248	20459	3.867	ng	# 1

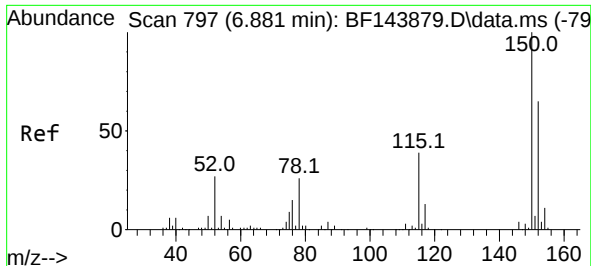
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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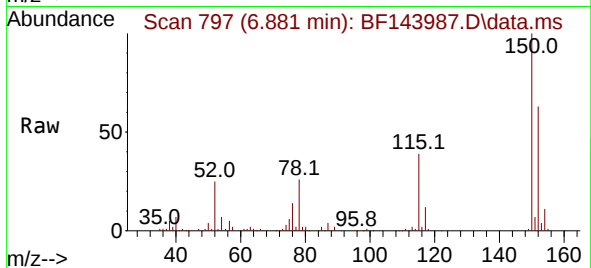
Quant Time: Oct 17 16:29:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



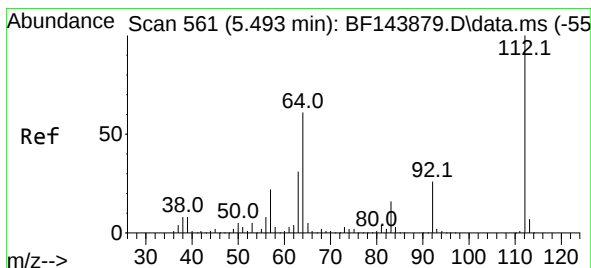
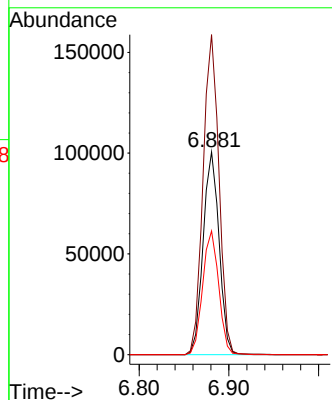
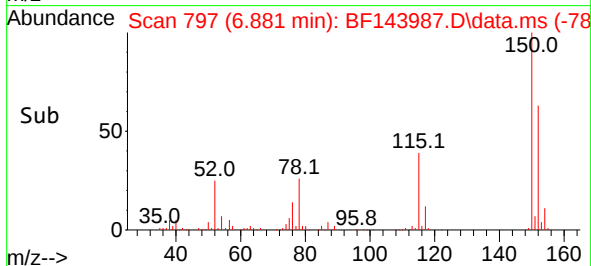


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143987.D
Acq: 17 Oct 2025 16:09

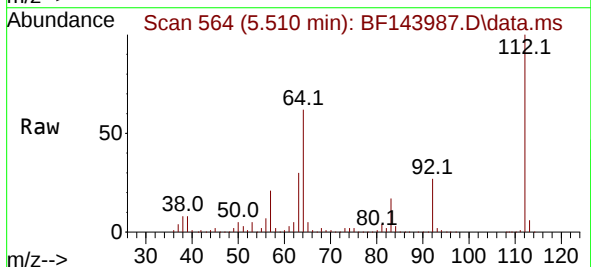
Instrument :
BNA_F
ClientSampleId :
PB170116TB



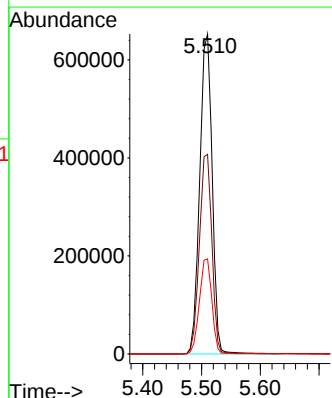
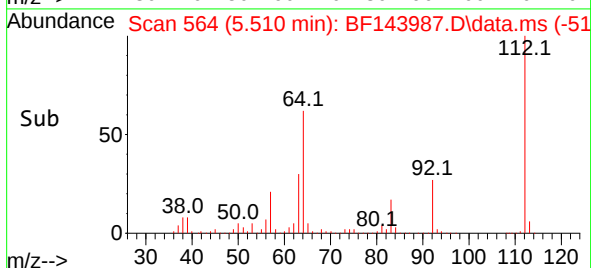
Tgt Ion:152 Resp: 124101
Ion Ratio Lower Upper
152 100
150 157.8 124.4 186.6
115 61.0 48.1 72.1



#5
2-Fluorophenol
Concen: 122.794 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.012 min
Lab File: BF143987.D
Acq: 17 Oct 2025 16:09



Tgt Ion:112 Resp: 959633
Ion Ratio Lower Upper
112 100
64 62.4 49.1 73.7
63 29.7 24.5 36.7

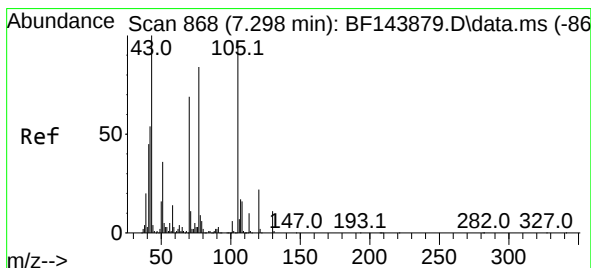
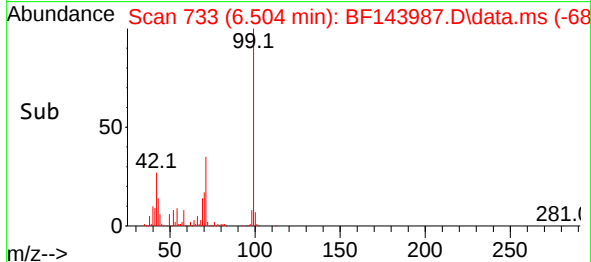
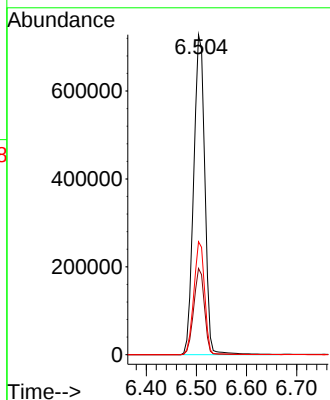
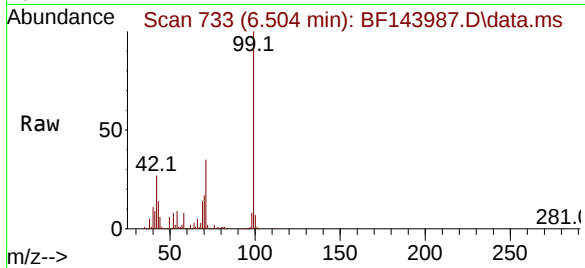




#7
Phenol-d6
Concen: 121.009 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF143987.D
Acq: 17 Oct 2025 16:09

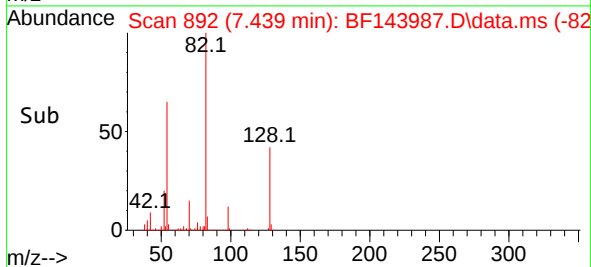
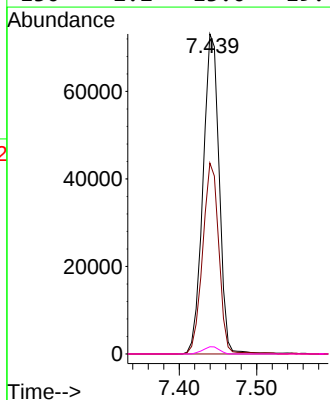
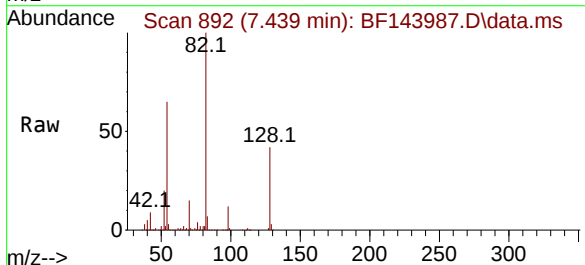
Instrument :
BNA_F
ClientSampleId :
PB170116TB

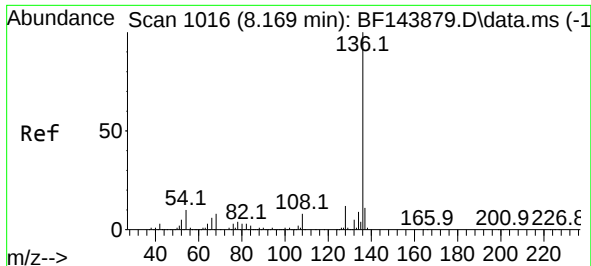
Tgt Ion: 99 Resp: 1127218
Ion Ratio Lower Upper
99 100
42 27.0 21.0 31.4
71 35.3 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 16.620 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF143987.D
Acq: 17 Oct 2025 16:09

Tgt Ion: 70 Resp: 105974
Ion Ratio Lower Upper
70 100
42 59.7 62.8 94.2#
101 0.0 6.7 10.1#
130 2.2 13.0 19.4#



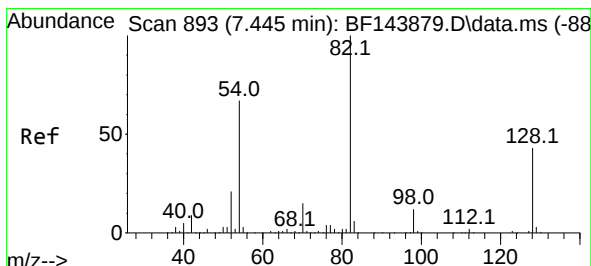
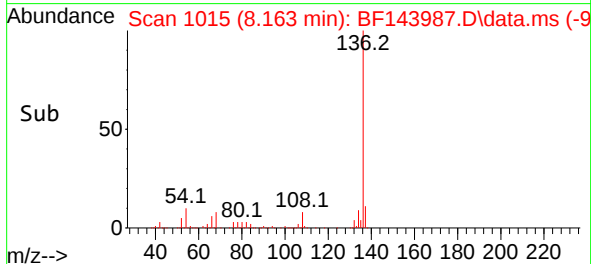
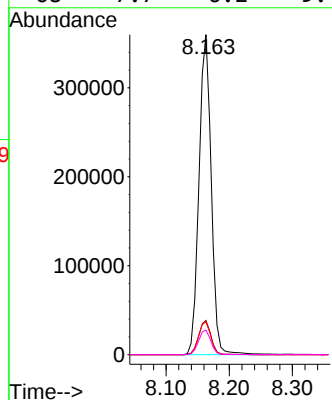
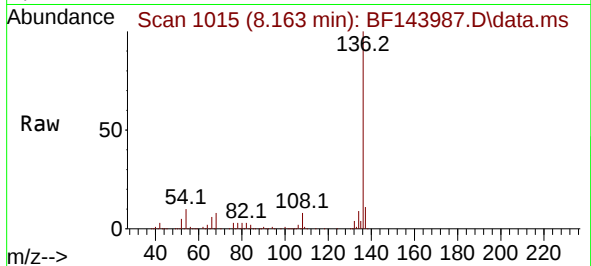


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143987.D
Acq: 17 Oct 2025 16:09

Instrument :
BNA_F
ClientSampleId :
PB170116TB

Tgt Ion:136 Resp: 484858

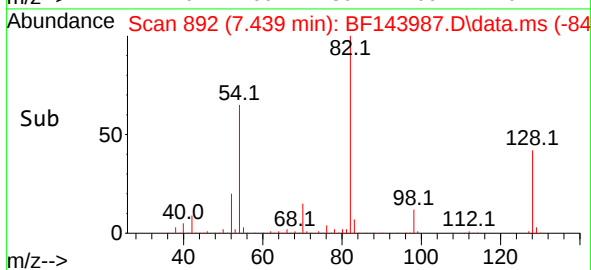
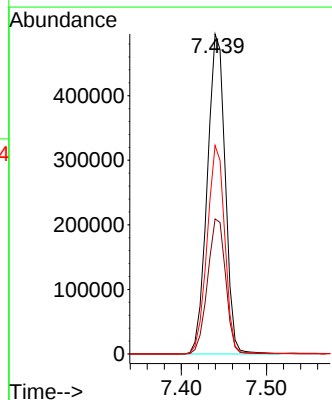
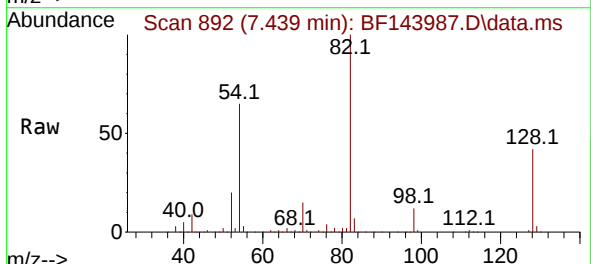
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	10.2	8.2	12.4
68	7.7	6.2	9.4

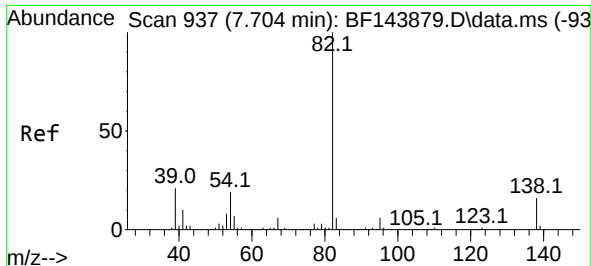


#23
Nitrobenzene-d5
Concen: 90.871 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.018 min
Lab File: BF143987.D
Acq: 17 Oct 2025 16:09

Tgt Ion: 82 Resp: 725199

Ion	Ratio	Lower	Upper
82	100		
128	42.2	34.0	51.0
54	65.2	53.2	79.8

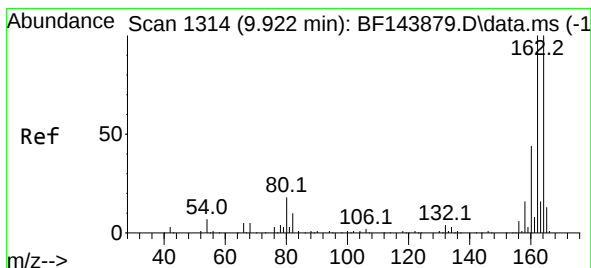
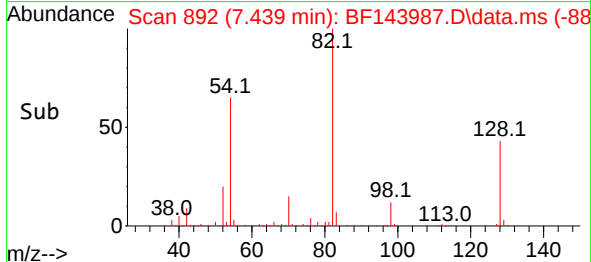
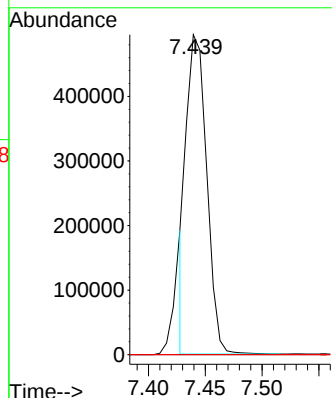
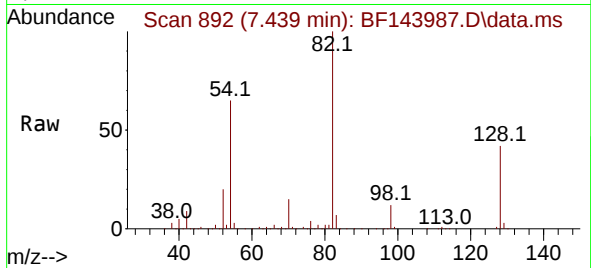




#25
Isophorone
Concen: 36.748 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.282 min
Lab File: BF143987.D
Acq: 17 Oct 2025 16:09

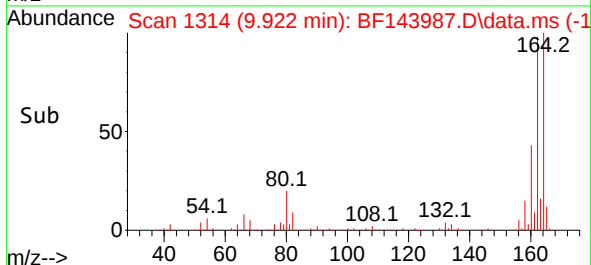
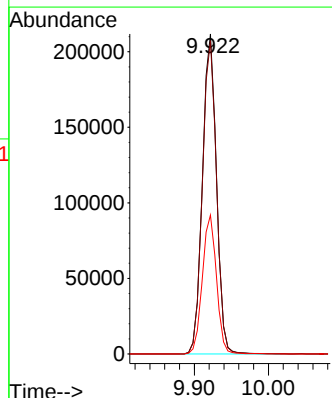
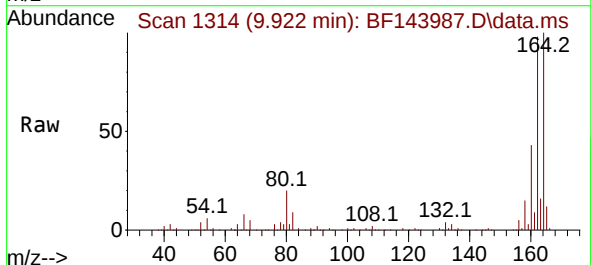
Instrument :
BNA_F
ClientSampleId :
PB170116TB

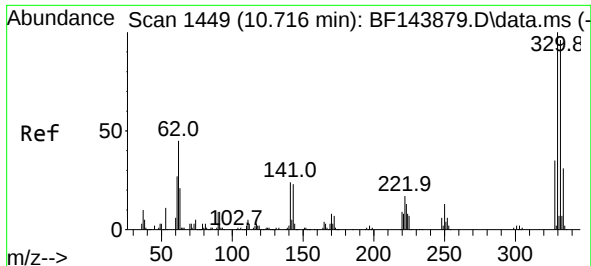
Tgt Ion: 82 Resp: 618370
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143987.D
Acq: 17 Oct 2025 16:09

Tgt Ion:164 Resp: 277642
Ion Ratio Lower Upper
164 100
162 97.9 80.2 120.2
160 43.4 35.4 53.0

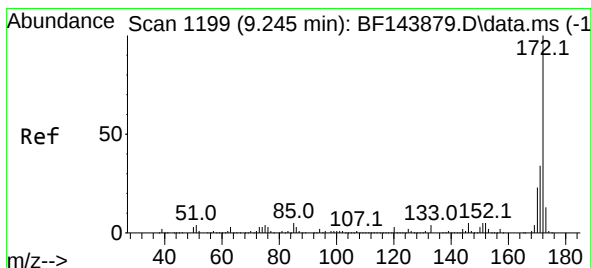
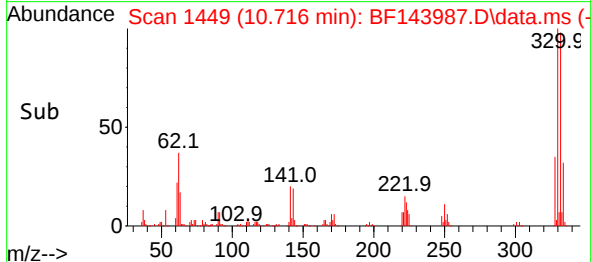
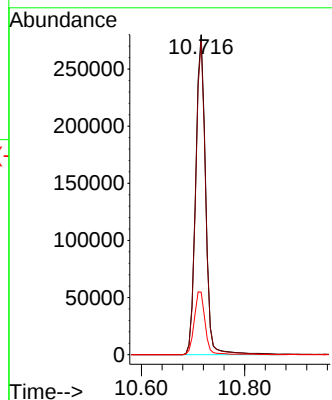
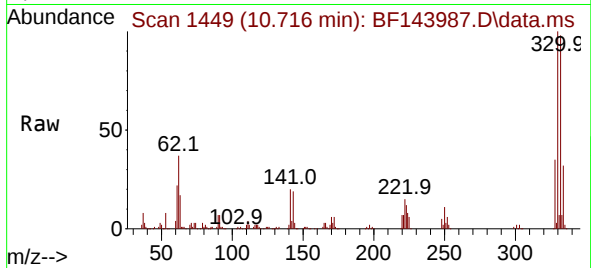




#42
2,4,6-Tribromophenol
Concen: 135.528 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143987.D
Acq: 17 Oct 2025 16:09

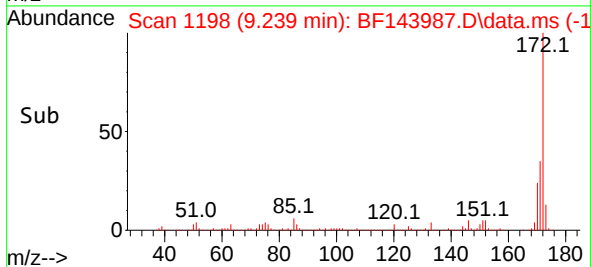
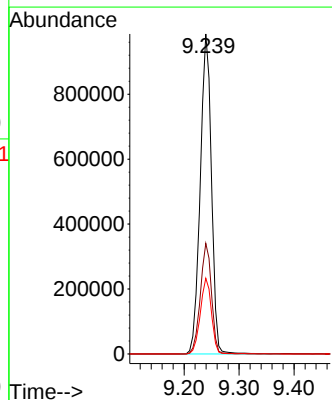
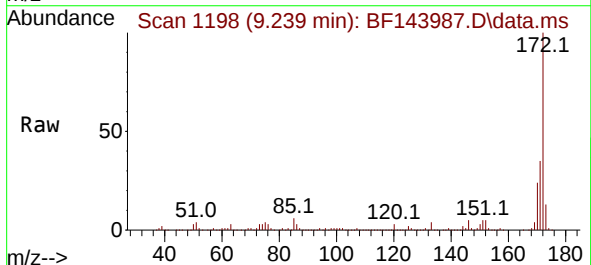
Instrument :
BNA_F
ClientSampleId :
PB170116TB

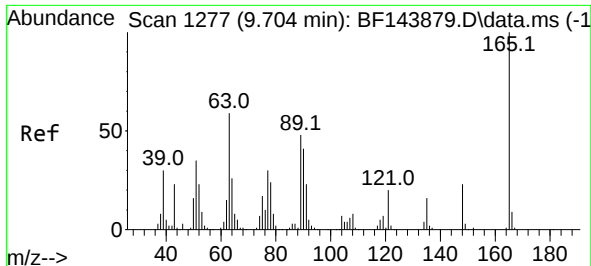
Tgt Ion:330 Resp: 374785
Ion Ratio Lower Upper
330 100
332 97.2 76.9 115.3
141 21.6 20.2 30.4



#45
2-Fluorobiphenyl
Concen: 79.940 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143987.D
Acq: 17 Oct 2025 16:09

Tgt Ion:172 Resp: 1398758
Ion Ratio Lower Upper
172 100
171 34.5 27.4 41.0
170 23.6 18.6 28.0





#51

2,6-Dinitrotoluene

Concen: 10.395 ng

RT: 9.922 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF143987.D

Acq: 17 Oct 2025 16:09

Instrument :

BNA_F

ClientSampleId :

PB170116TB

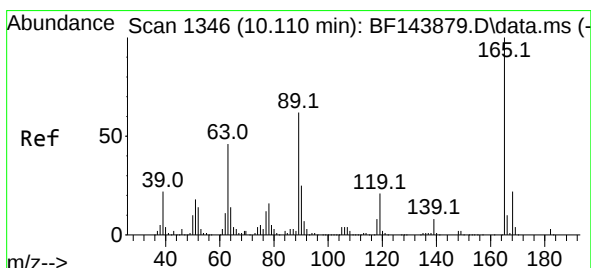
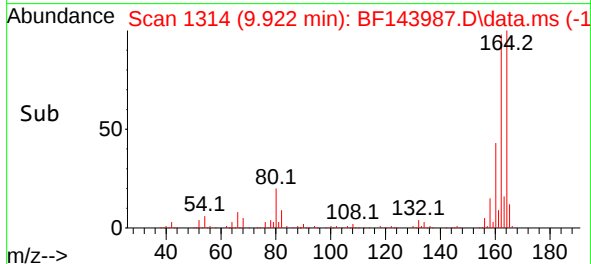
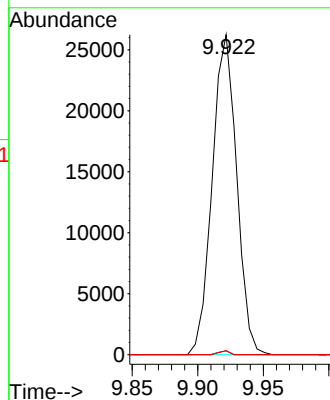
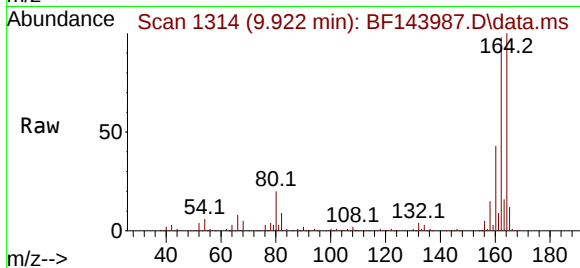
Tgt Ion:165 Resp: 33987

Ion Ratio Lower Upper

165 100

63 1.2 47.3 70.9#

89 1.3 38.2 57.4#



#57

2,4-Dinitrotoluene

Concen: 7.640 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.194 min

Lab File: BF143987.D

Acq: 17 Oct 2025 16:09

Tgt Ion:165 Resp: 33987

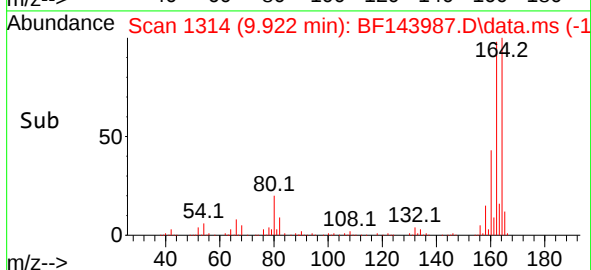
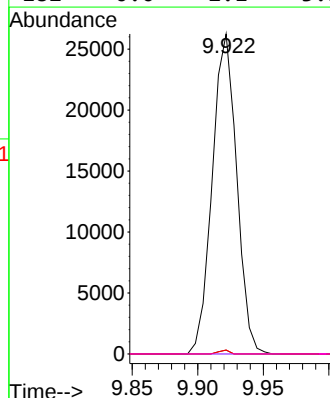
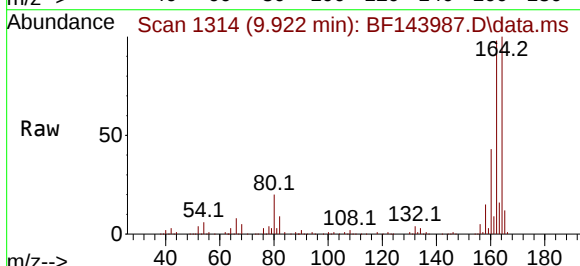
Ion Ratio Lower Upper

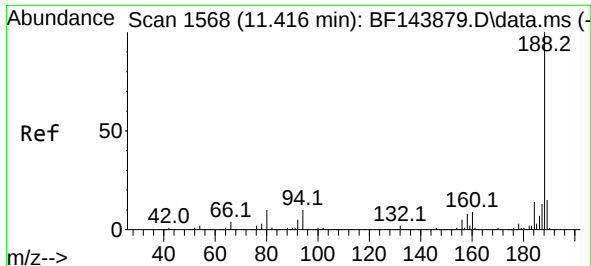
165 100

63 1.2 37.2 55.8#

89 1.3 49.4 74.2#

182 0.0 2.1 3.1#

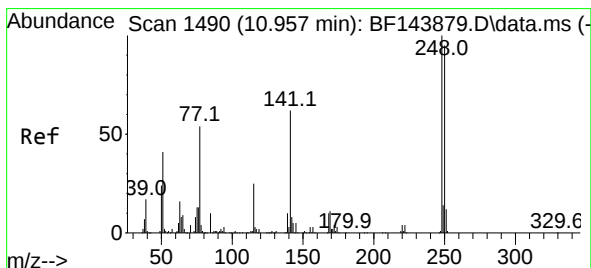
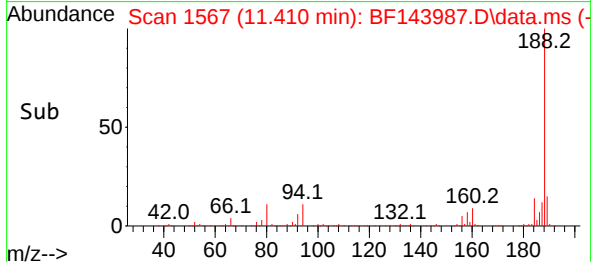
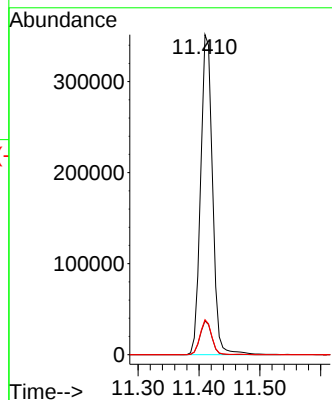
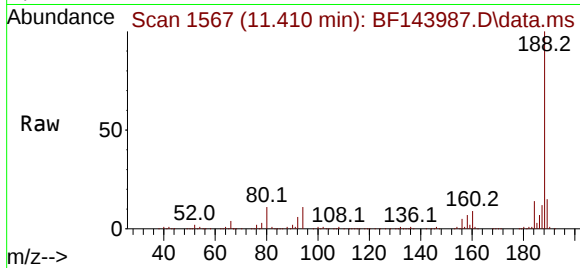




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143987.D
Acq: 17 Oct 2025 16:09

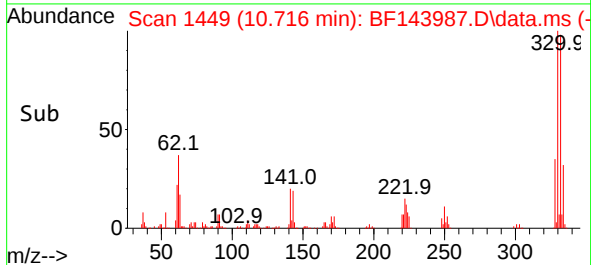
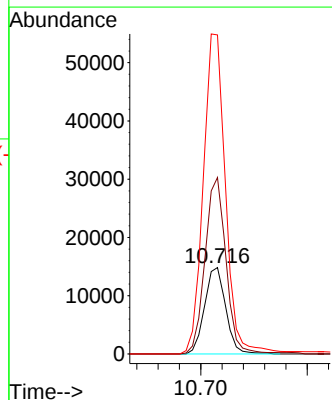
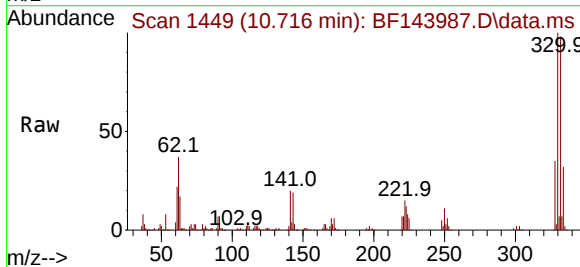
Instrument :
BNA_F
ClientSampleId :
PB170116TB

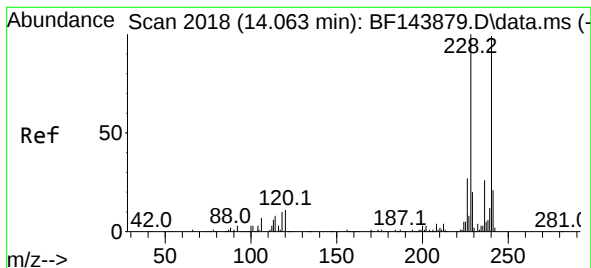
Tgt Ion:188 Resp: 478688
Ion Ratio Lower Upper
188 100
94 10.6 7.8 11.6
80 11.0 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 3.867 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.247 min
Lab File: BF143987.D
Acq: 17 Oct 2025 16:09

Tgt Ion:248 Resp: 20459
Ion Ratio Lower Upper
248 100
250 204.4 76.3 114.5#
141 369.3 49.7 74.5#

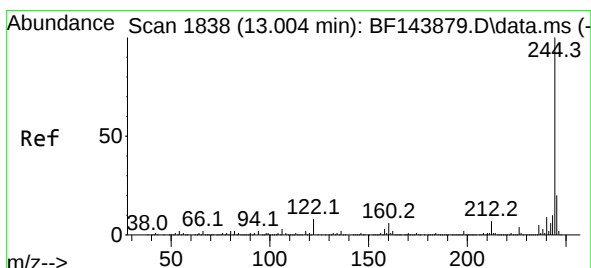
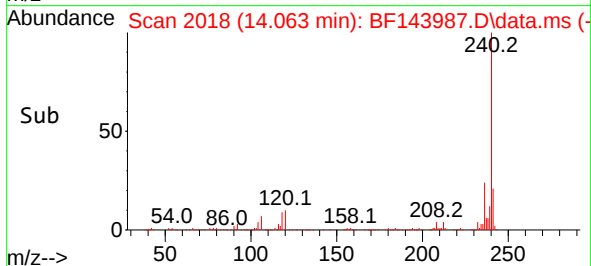
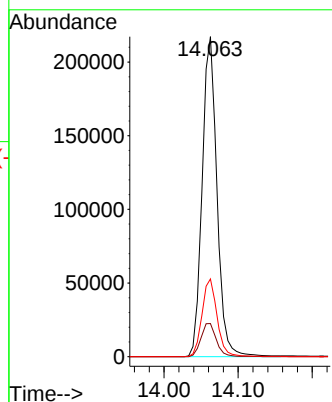
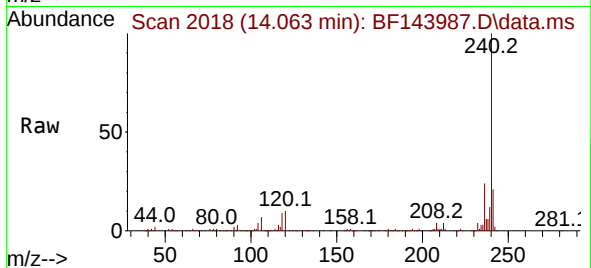




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF143987.D
Acq: 17 Oct 2025 16:09

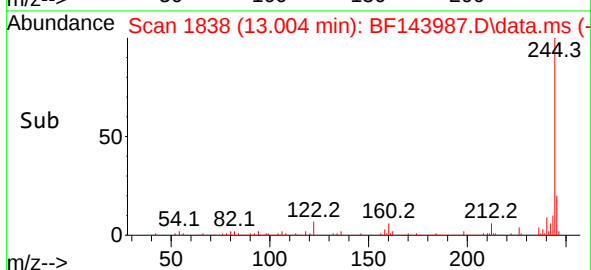
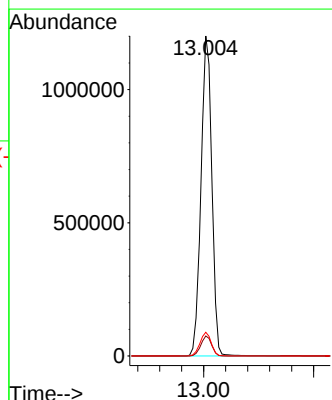
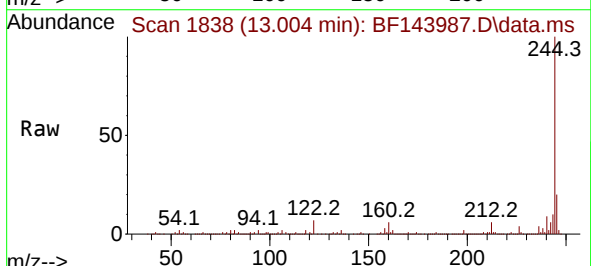
Instrument :
BNA_F
ClientSampleId :
PB170116TB

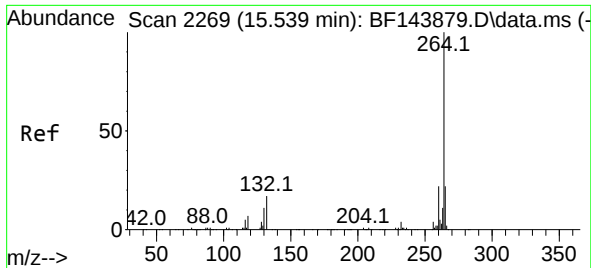
Tgt Ion:240 Resp: 302571
Ion Ratio Lower Upper
240 100
120 10.3 8.6 13.0
236 24.3 21.1 31.7



#79
Terphenyl-d14
Concen: 92.954 ng
RT: 13.004 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF143987.D
Acq: 17 Oct 2025 16:09

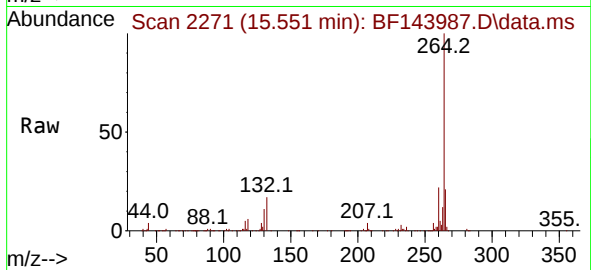
Tgt Ion:244 Resp: 1645637
Ion Ratio Lower Upper
244 100
212 6.3 5.4 8.0
122 7.4 6.4 9.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143987.D
Acq: 17 Oct 2025 16:09

Instrument :
BNA_F
ClientSampleId :
PB170116TB



Tgt Ion:264 Resp: 258607
Ion Ratio Lower Upper
264 100
260 21.9 17.8 26.8
265 20.7 17.5 26.3

