

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101625\
 Data File : BF143981.D
 Acq On : 16 Oct 2025 16:09
 Operator : RC/JU
 Sample : Q3348-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WCS-TP1

Quant Time: Oct 16 17:29:19 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)

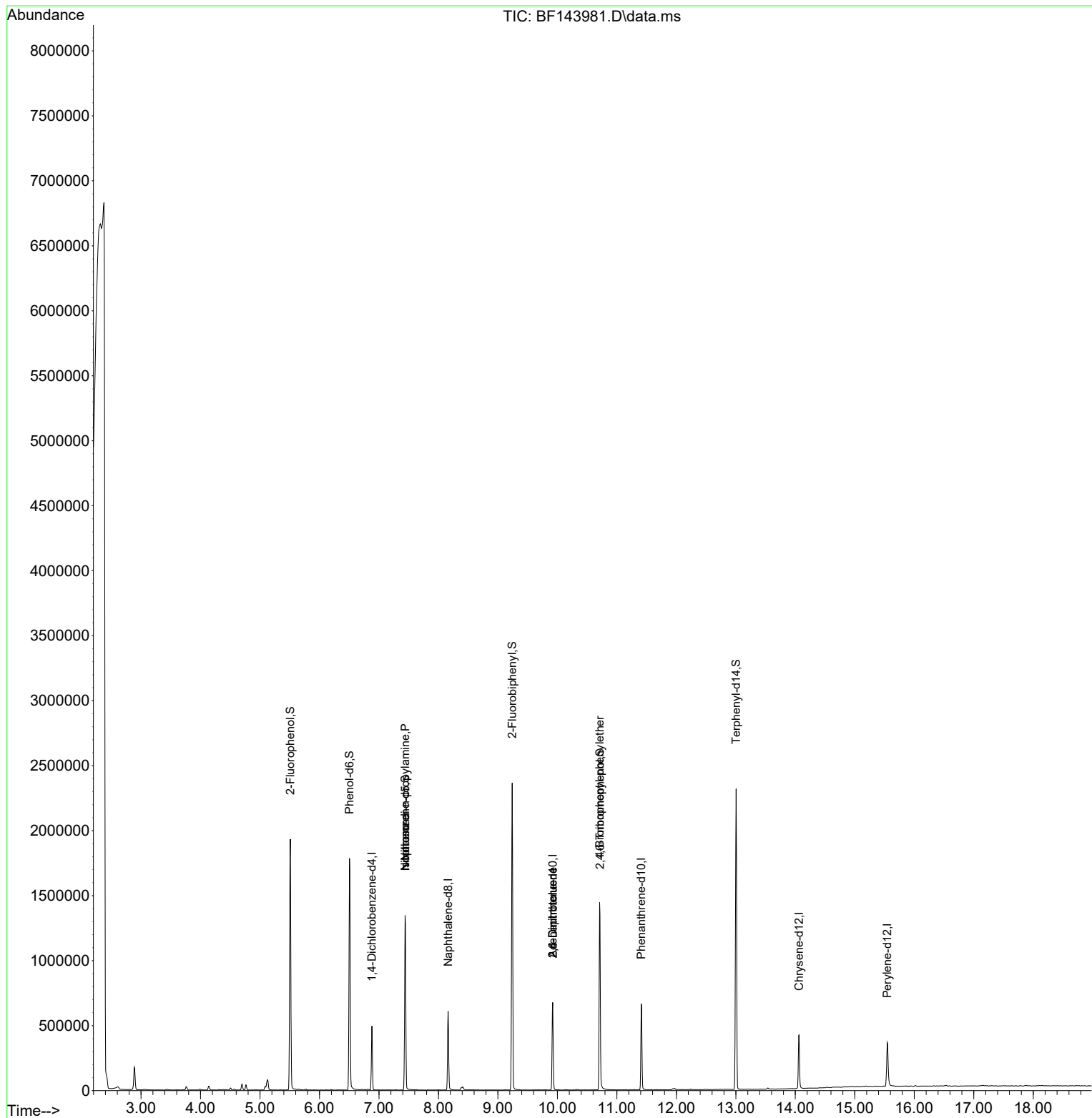
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	99320	20.00	ng	0.00
21) Naphthalene-d8	8.163	136	386265	20.00	ng	0.00
39) Acenaphthene-d10	9.922	164	206075	20.00	ng	0.00
64) Phenanthrene-d10	11.410	188	366175	20.00	ng	0.00
76) Chrysene-d12	14.063	240	221255	20.00	ng	0.00
86) Perylene-d12	15.545	264	242239	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	757187	121.06	ng	0.01
7) Phenol-d6	6.504	99	833228	111.77	ng	-0.01
23) Nitrobenzene-d5	7.440	82	601580	94.62	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	298689	145.52	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1128021	86.86	ng	-0.01
79) Terphenyl-d14	13.004	244	1236135	95.48	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.440	70	87464	17.14	ng	Qvalue # 75
25) Isophorone	7.440	82	527743	39.37	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	26575	10.95	ng	# 26
57) 2,4-Dinitrotoluene	9.922	165	26575	8.05	ng	# 27
67) 4-Bromophenyl-phenylether	10.710	248	17243	4.26	ng	# 1

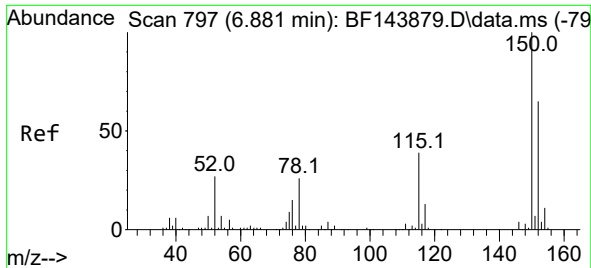
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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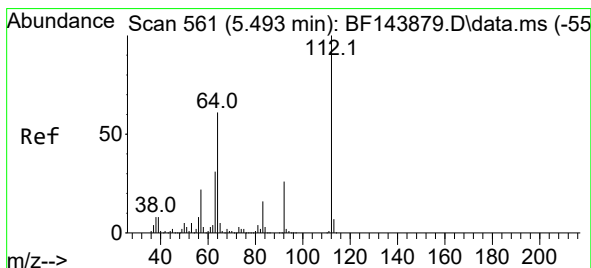
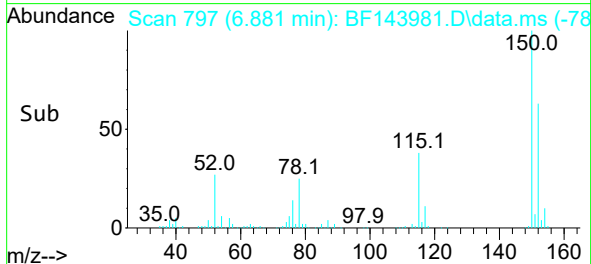
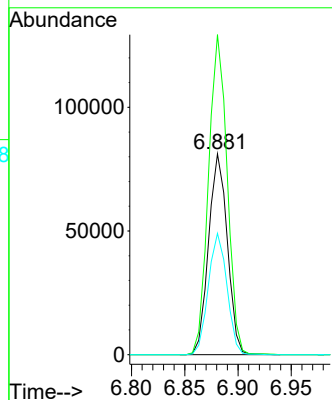
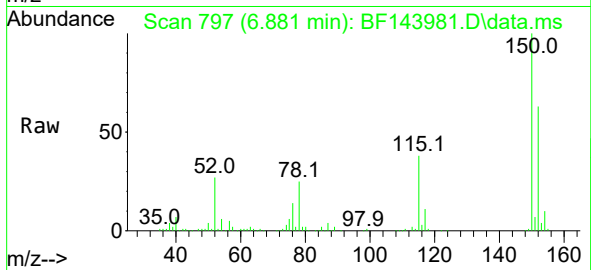




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.881 min Scan# 797
 Delta R.T. -0.005 min
 Lab File: BF143981.D
 Acq: 16 Oct 2025 16:09

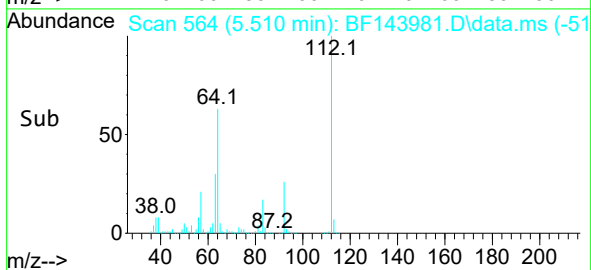
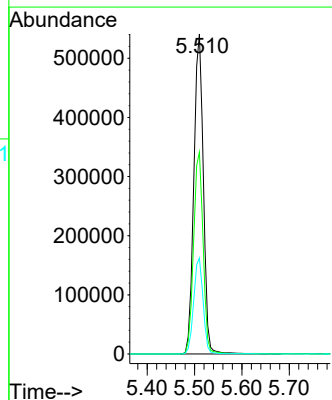
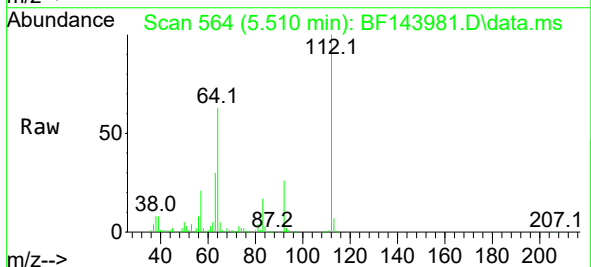
Instrument :
 BNA_F
 ClientSampleId :
 WCS-TP1

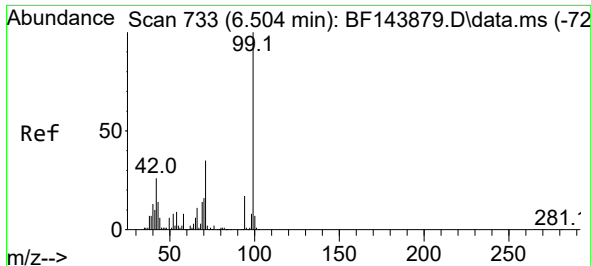
Tgt Ion:152 Resp: 99320
 Ion Ratio Lower Upper
 152 100
 150 159.4 124.4 186.6
 115 60.4 48.1 72.1



#5
 2-Fluorophenol
 Concen: 121.06 ng
 RT: 5.510 min Scan# 564
 Delta R.T. 0.012 min
 Lab File: BF143981.D
 Acq: 16 Oct 2025 16:09

Tgt Ion:112 Resp: 757187
 Ion Ratio Lower Upper
 112 100
 64 63.1 49.1 73.7
 63 30.0 24.5 36.7

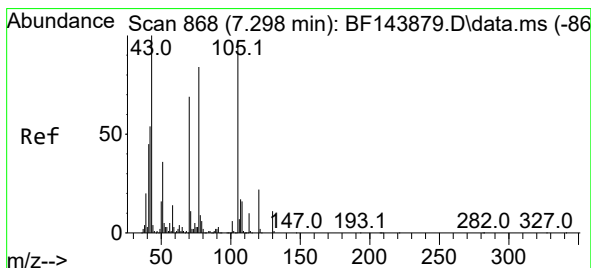
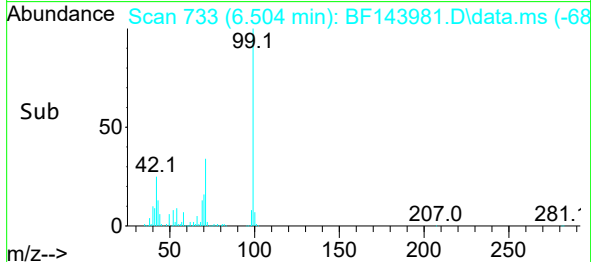
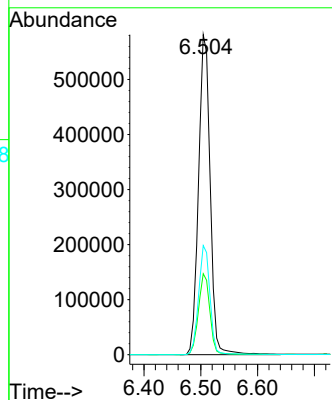
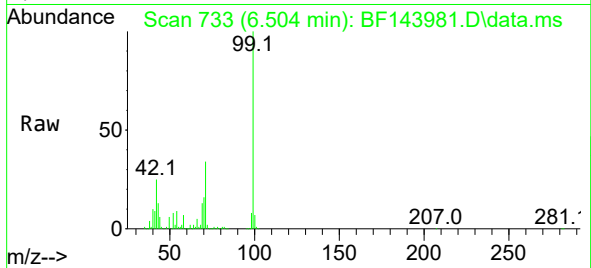




#7
Phenol-d6
Concen: 111.77 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF143981.D
Acq: 16 Oct 2025 16:09

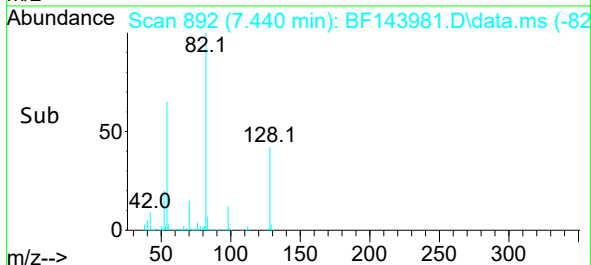
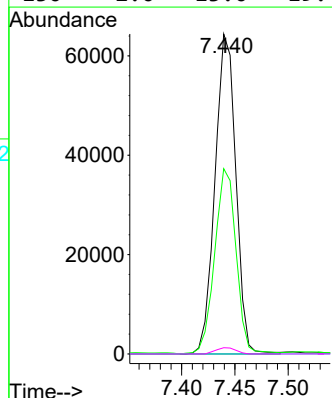
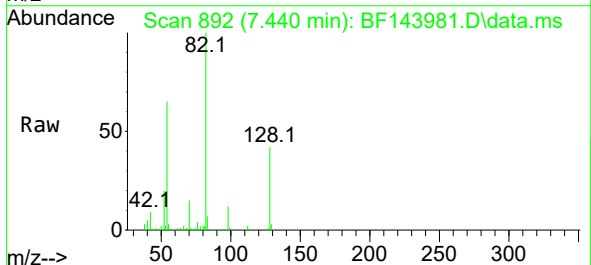
Instrument :
BNA_F
ClientSampleId :
WCS-TP1

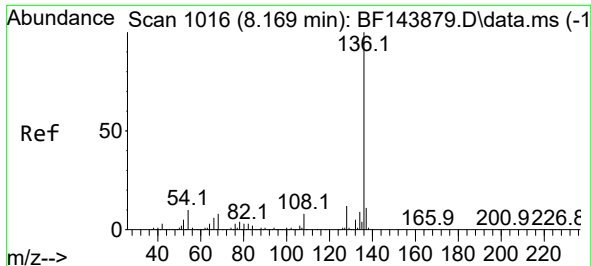
Tgt Ion: 99 Resp: 833228
Ion Ratio Lower Upper
99 100
42 25.3 21.0 31.4
71 34.1 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 17.14 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF143981.D
Acq: 16 Oct 2025 16:09

Tgt Ion: 70 Resp: 87464
Ion Ratio Lower Upper
70 100
42 57.9 62.8 94.2#
101 0.0 6.7 10.1#
130 2.0 13.0 19.4#

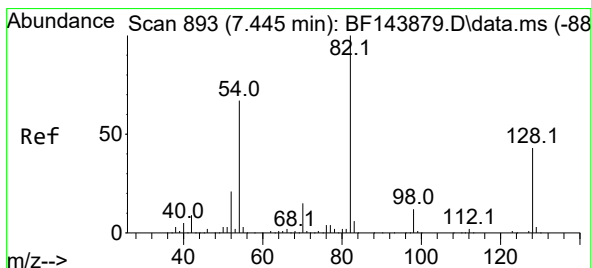
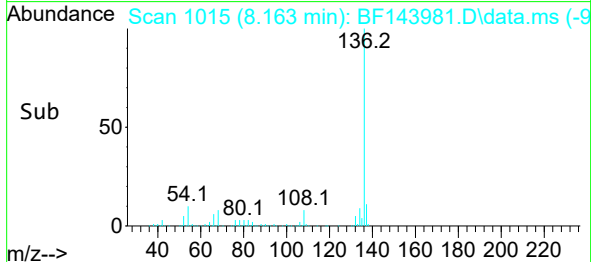
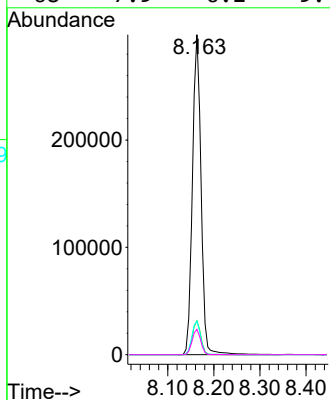
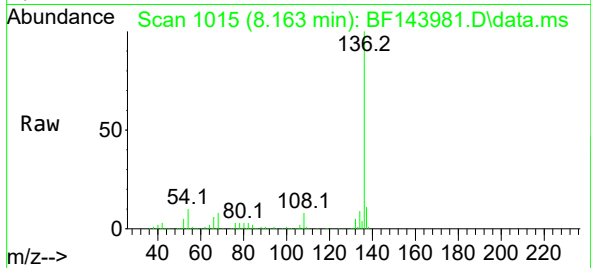




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143981.D
Acq: 16 Oct 2025 16:09

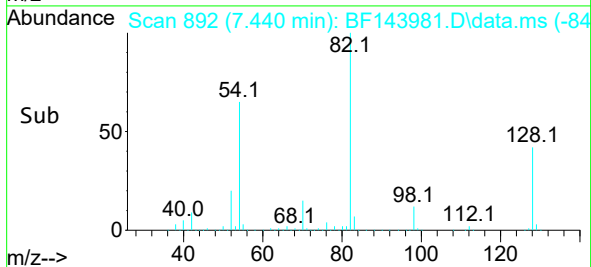
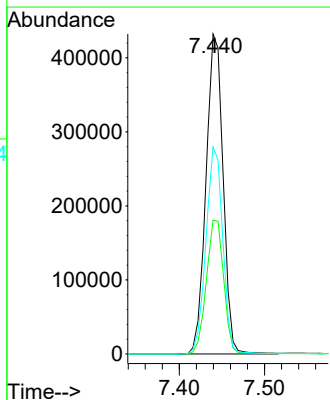
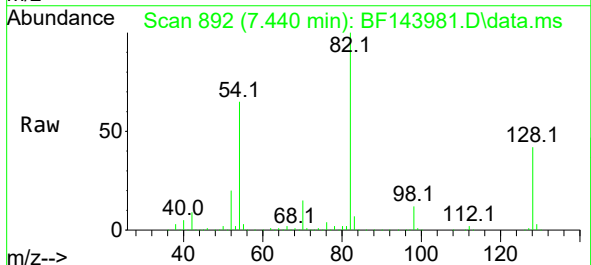
Instrument :
BNA_F
ClientSampleId :
WCS-TP1

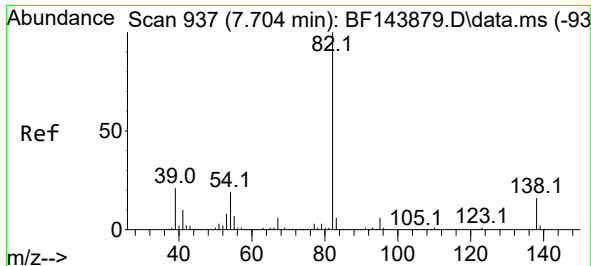
Tgt Ion:136 Resp: 386265
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 10.5 8.2 12.4
68 7.9 6.2 9.4



#23
Nitrobenzene-d5
Concen: 94.62 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.018 min
Lab File: BF143981.D
Acq: 16 Oct 2025 16:09

Tgt Ion: 82 Resp: 601580
Ion Ratio Lower Upper
82 100
128 41.9 34.0 51.0
54 64.7 53.2 79.8

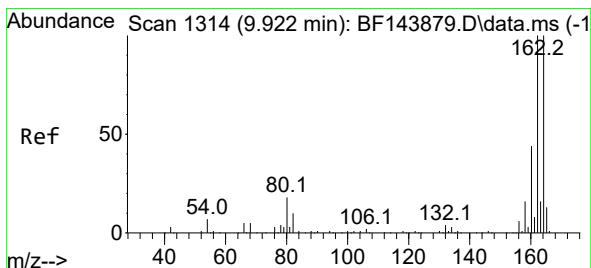
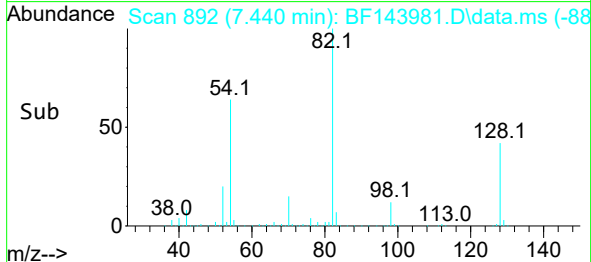
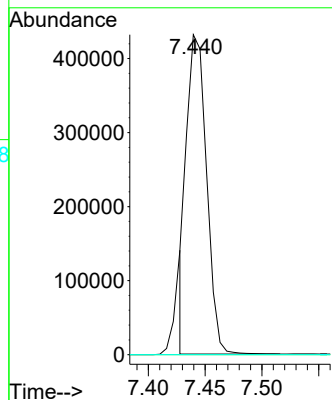
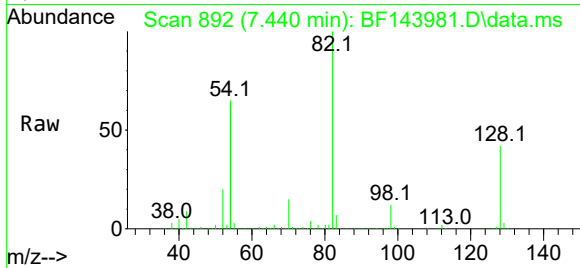




#25
Isophorone
Concen: 39.37 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.282 min
Lab File: BF143981.D
Acq: 16 Oct 2025 16:09

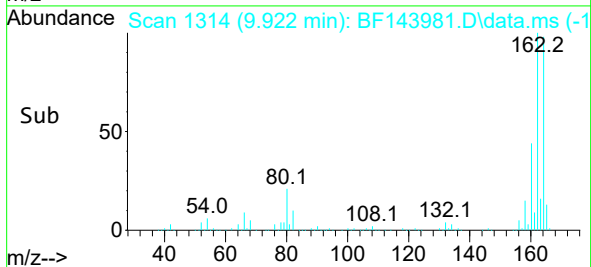
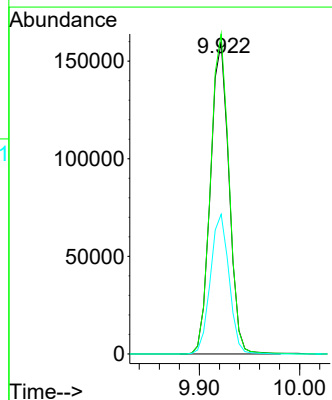
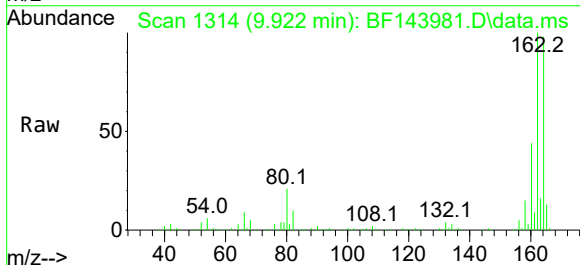
Instrument :
BNA_F
ClientSampleId :
WCS-TP1

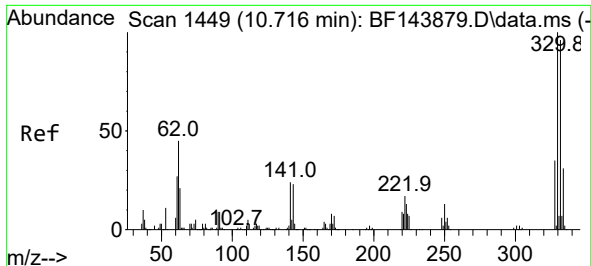
Tgt Ion: 82 Resp: 527743
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143981.D
Acq: 16 Oct 2025 16:09

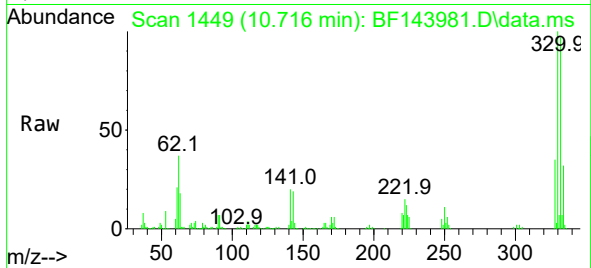
Tgt Ion: 164 Resp: 206075
Ion Ratio Lower Upper
164 100
162 102.6 80.2 120.2
160 44.8 35.4 53.0



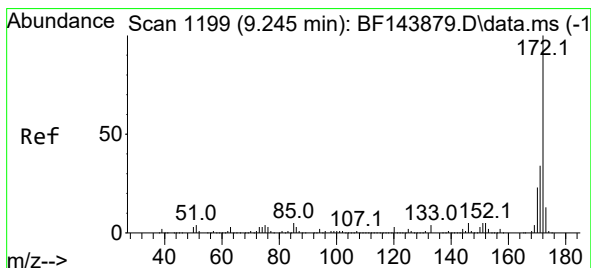
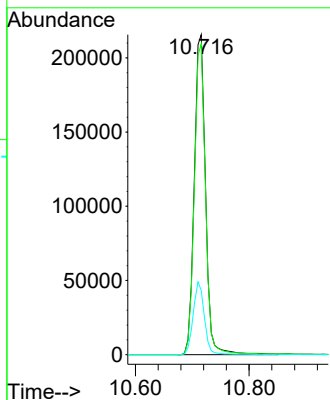
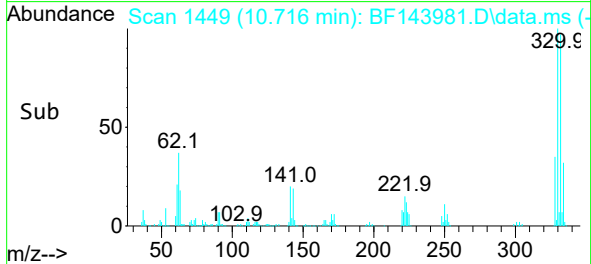


#42
2,4,6-Tribromophenol
Concen: 145.52 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143981.D
Acq: 16 Oct 2025 16:09

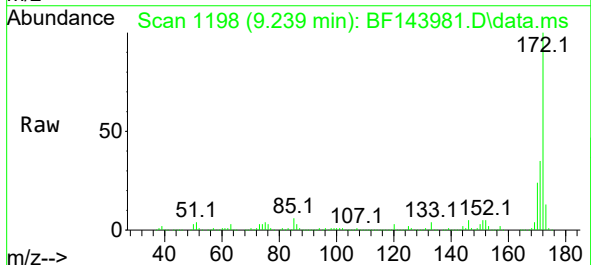
Instrument :
BNA_F
ClientSampleId :
WCS-TP1



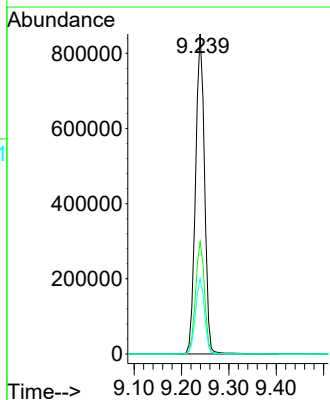
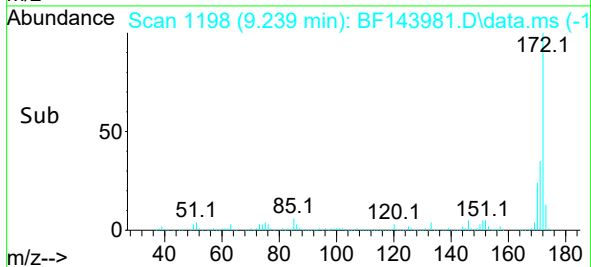
Tgt Ion:330 Resp: 298689
Ion Ratio Lower Upper
330 100
332 96.3 76.9 115.3
141 22.7 20.2 30.4

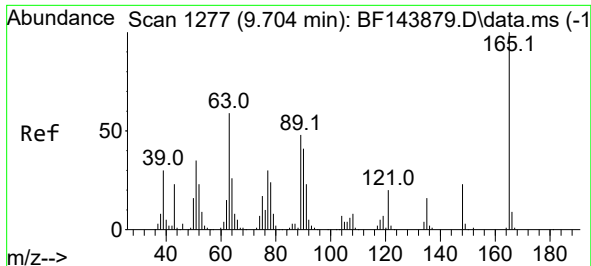


#45
2-Fluorobiphenyl
Concen: 86.86 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143981.D
Acq: 16 Oct 2025 16:09



Tgt Ion:172 Resp: 1128021
Ion Ratio Lower Upper
172 100
171 35.1 27.4 41.0
170 23.5 18.6 28.0

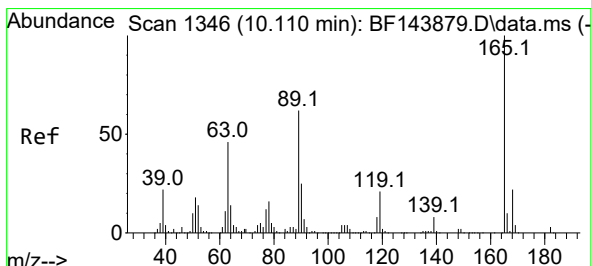
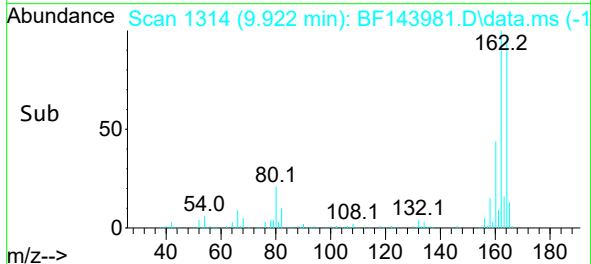
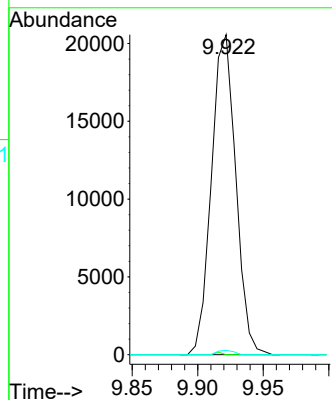
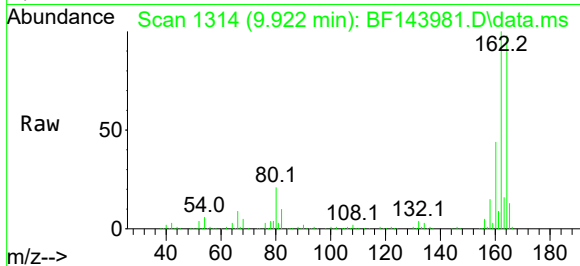




#51
2,6-Dinitrotoluene
Concen: 10.95 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF143981.D
Acq: 16 Oct 2025 16:09

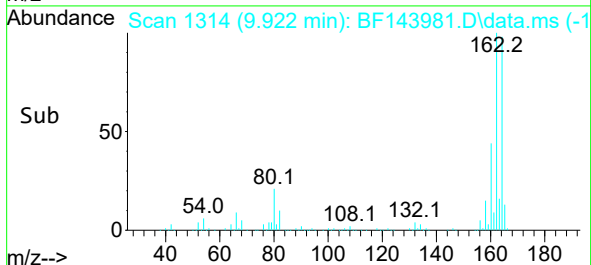
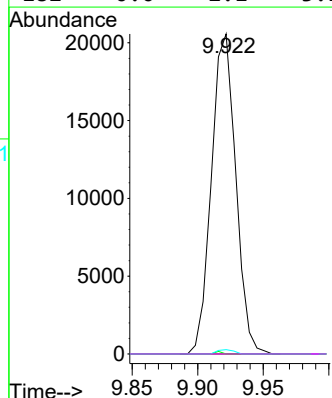
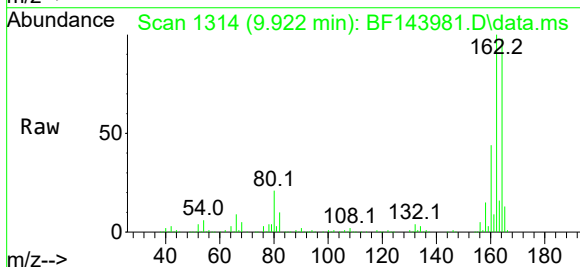
Instrument :
BNA_F
ClientSampleId :
WCS-TP1

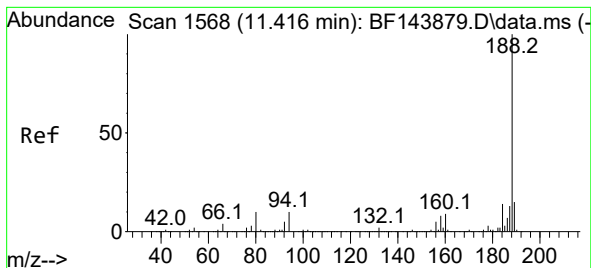
Tgt Ion:165 Resp: 26575
Ion Ratio Lower Upper
165 100
63 0.0 47.3 70.9#
89 1.3 38.2 57.4#



#57
2,4-Dinitrotoluene
Concen: 8.05 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.194 min
Lab File: BF143981.D
Acq: 16 Oct 2025 16:09

Tgt Ion:165 Resp: 26575
Ion Ratio Lower Upper
165 100
63 0.0 37.2 55.8#
89 1.3 49.4 74.2#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143981.D

Acq: 16 Oct 2025 16:09

Instrument :

BNA_F

ClientSampleId :

WCS-TP1

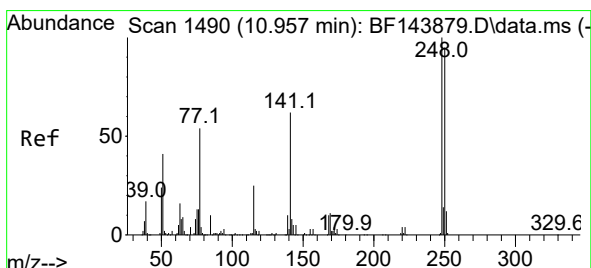
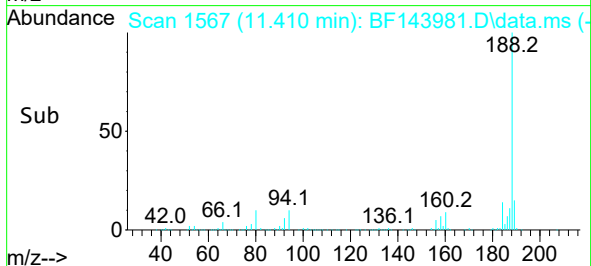
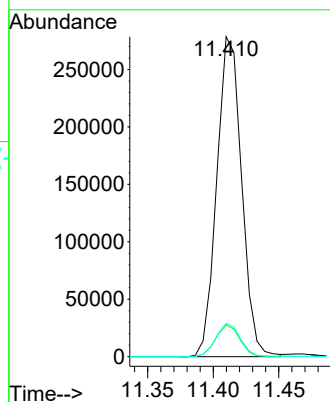
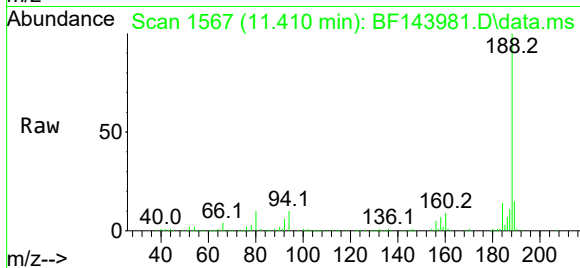
Tgt Ion:188 Resp: 366175

Ion Ratio Lower Upper

188 100

94 10.0 7.8 11.6

80 10.4 7.9 11.9



#67

4-Bromophenyl-phenylether

Concen: 4.26 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.253 min

Lab File: BF143981.D

Acq: 16 Oct 2025 16:09

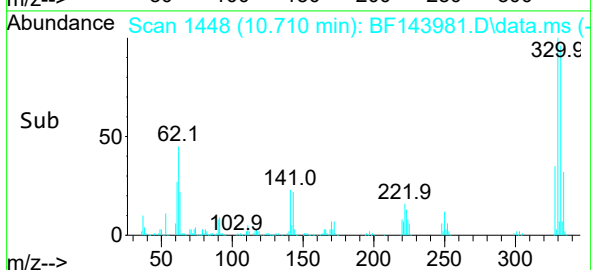
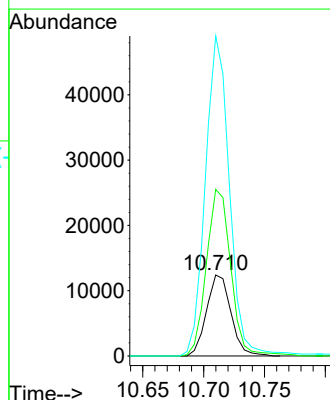
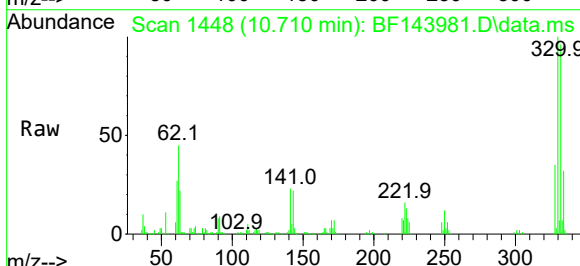
Tgt Ion:248 Resp: 17243

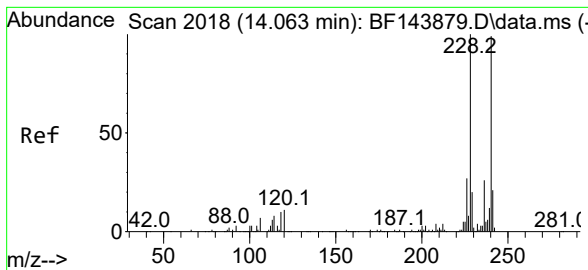
Ion Ratio Lower Upper

248 100

250 205.7 76.3 114.5#

141 395.0 49.7 74.5#

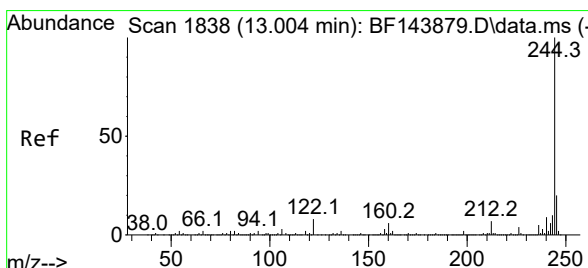
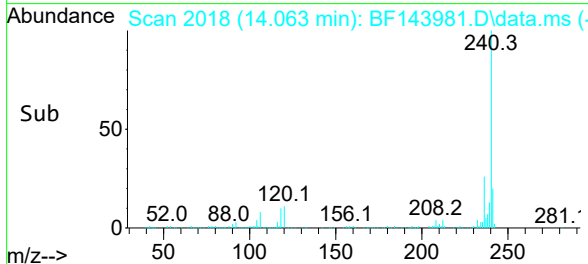
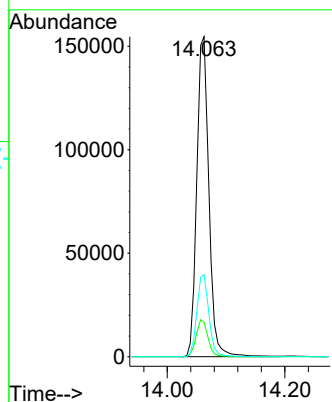
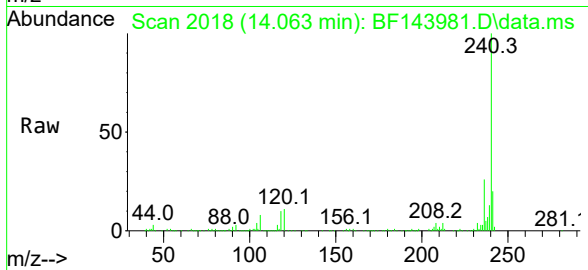




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF143981.D
Acq: 16 Oct 2025 16:09

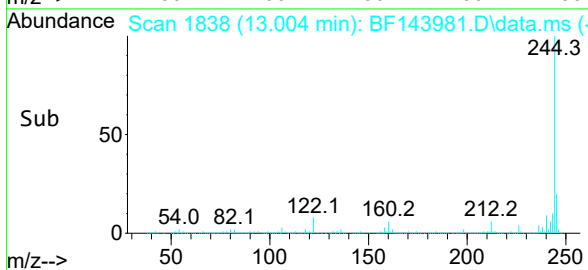
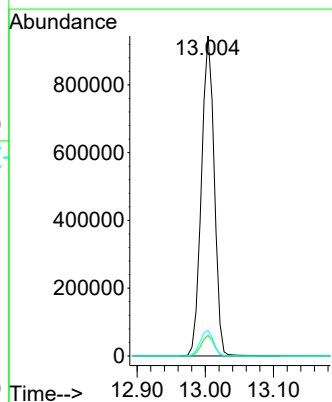
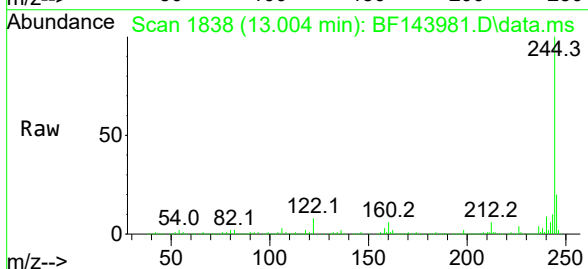
Instrument :
BNA_F
ClientSampleId :
WCS-TP1

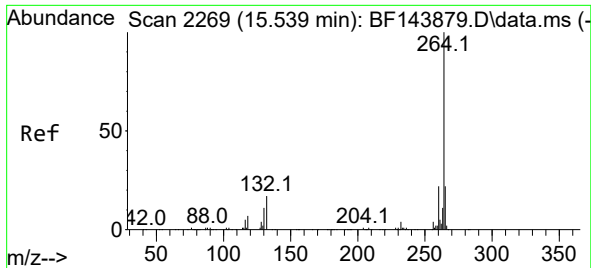
Tgt Ion:240 Resp: 221255
Ion Ratio Lower Upper
240 100
120 10.8 8.6 13.0
236 25.7 21.1 31.7



#79
Terphenyl-d14
Concen: 95.48 ng
RT: 13.004 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF143981.D
Acq: 16 Oct 2025 16:09

Tgt Ion:244 Resp: 1236135
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.0
122 7.9 6.4 9.6





#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.545 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF143981.D
 Acq: 16 Oct 2025 16:09

Instrument :
 BNA_F
 ClientSampleId :
 WCS-TP1

Tgt Ion:264 Resp: 242239
 Ion Ratio Lower Upper
 264 100
 260 22.0 17.8 26.8
 265 21.6 17.5 26.3

