

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
 Data File : BF144048.D
 Acq On : 22 Oct 2025 18:15
 Operator : RC/JU
 Sample : Q3403-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-18

Quant Time: Oct 22 18:35:42 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)

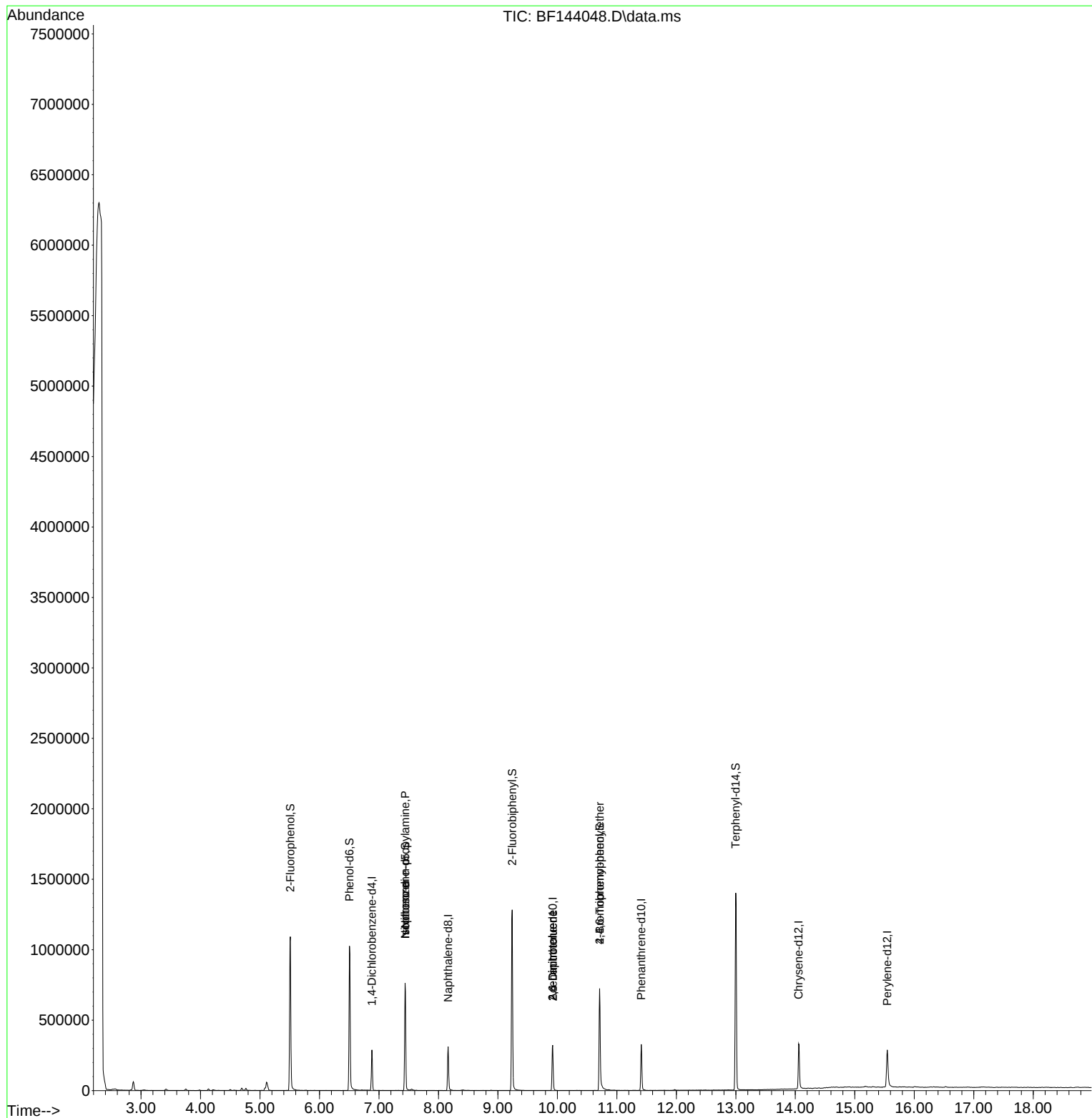
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	59204	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	205591	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	105786	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	191758	20.000	ng	0.00
76) Chrysene-d12	14.057	240	180837	20.000	ng	-0.01
86) Perylene-d12	15.545	264	203468	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	433250	116.208	ng	0.01
7) Phenol-d6	6.504	99	450233	101.315	ng	-0.01
23) Nitrobenzene-d5	7.440	82	320411	94.686	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	160391	152.224	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	626789	94.015	ng	-0.01
79) Terphenyl-d14	12.998	244	767662	72.551	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	47668	15.671	ng	# 82
25) Isophorone	7.440	82	282776	39.631	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	13589	10.909	ng	# 26
57) 2,4-Dinitrotoluene	9.922	165	13589	8.017	ng	# 27
67) 4-Bromophenyl-phenylether	10.710	248	9673	4.564	ng	# 1

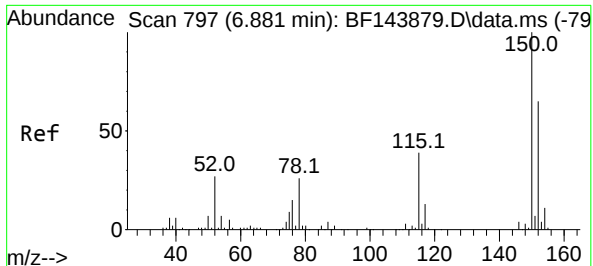
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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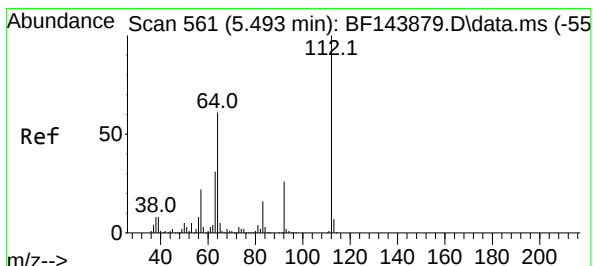
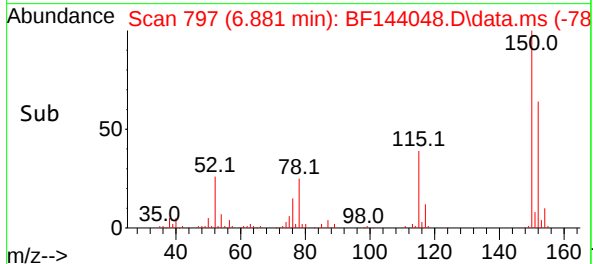
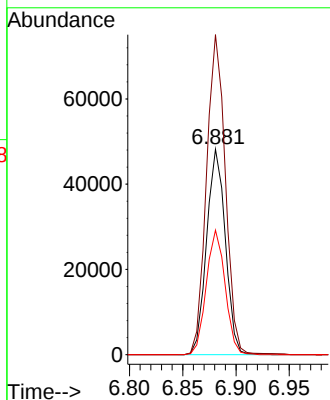
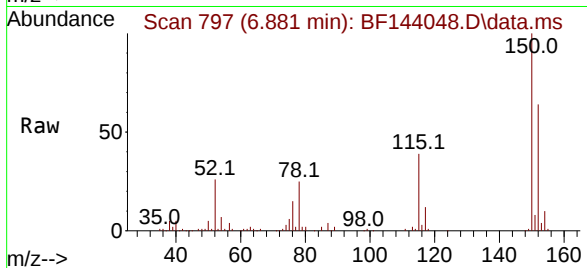




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF144048.D
Acq: 22 Oct 2025 18:15

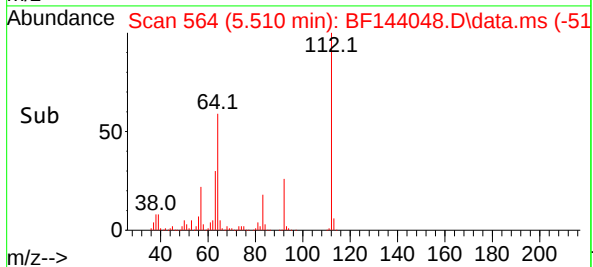
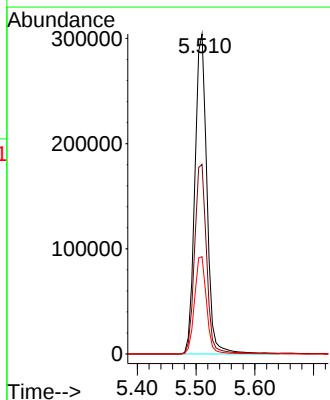
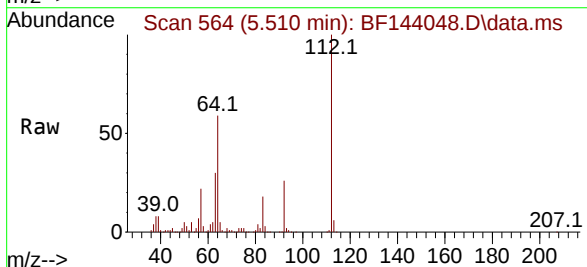
Instrument :
BNA_F
ClientSampleId :
MH-18

Tgt Ion:152 Resp: 59204
Ion Ratio Lower Upper
152 100
150 155.8 124.4 186.6
115 60.6 48.1 72.1



#5
2-Fluorophenol
Concen: 116.208 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.012 min
Lab File: BF144048.D
Acq: 22 Oct 2025 18:15

Tgt Ion:112 Resp: 433250
Ion Ratio Lower Upper
112 100
64 59.2 49.1 73.7
63 30.4 24.5 36.7





#7
Phenol-d6
Concen: 101.315 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF144048.D
Acq: 22 Oct 2025 18:15

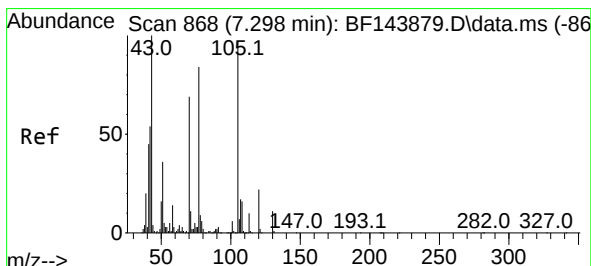
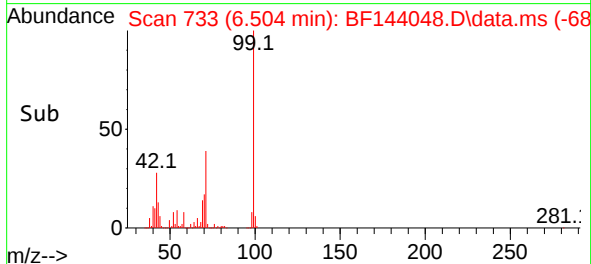
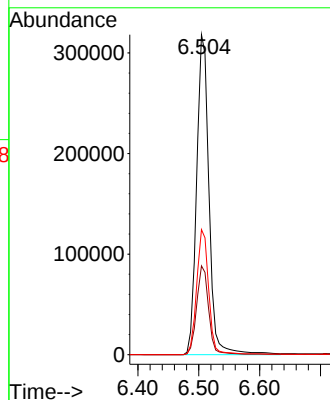
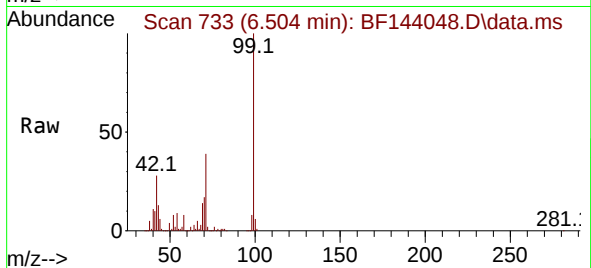
Instrument :

BNA_F

ClientSampleId :

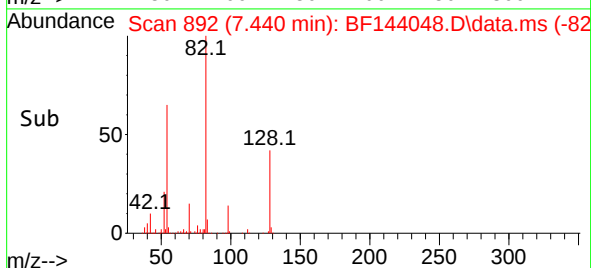
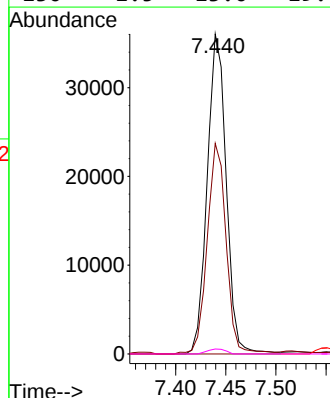
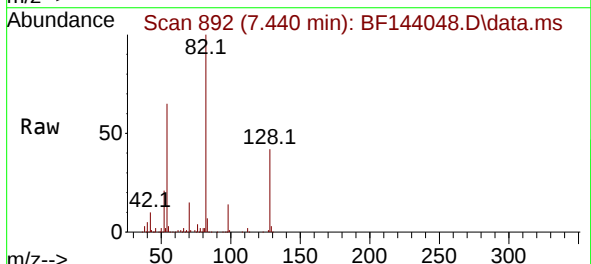
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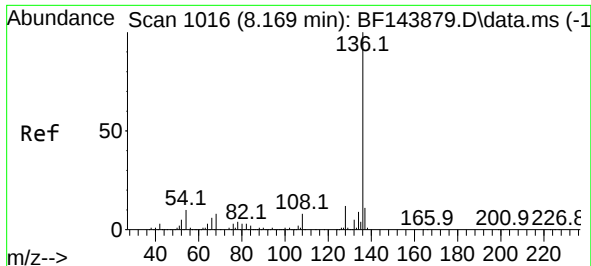
Tgt Ion: 99 Resp: 450233
Ion Ratio Lower Upper
99 100
42 27.8 21.0 31.4
71 39.1 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.671 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF144048.D
Acq: 22 Oct 2025 18:15

Tgt Ion: 70 Resp: 47668
Ion Ratio Lower Upper
70 100
42 65.8 62.8 94.2
101 0.0 6.7 10.1#
130 1.5 13.0 19.4#



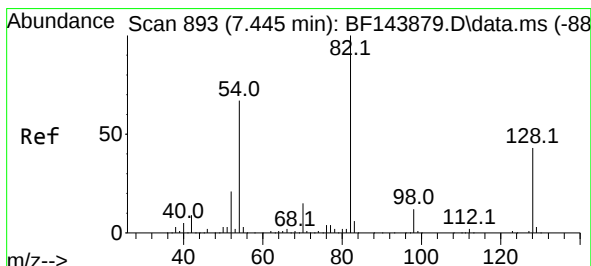
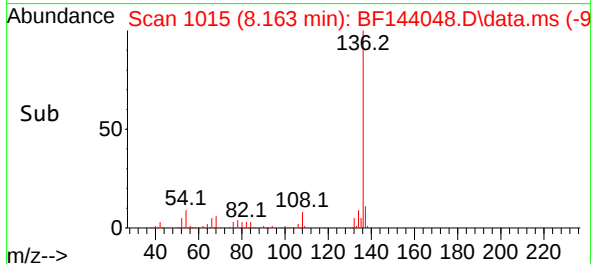
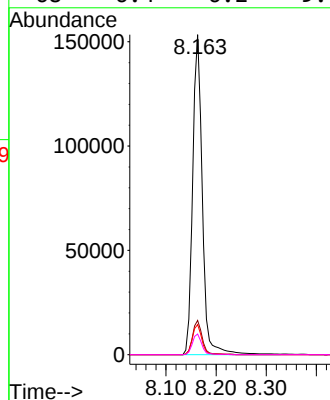
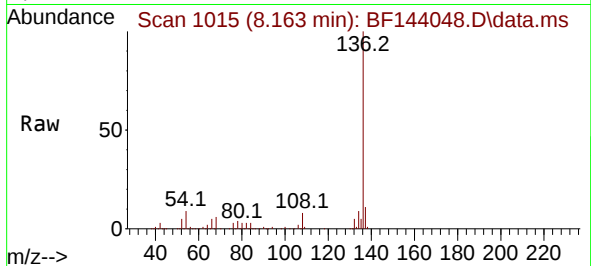


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF144048.D
Acq: 22 Oct 2025 18:15

Instrument :
BNA_F
ClientSampleId :
MH-18

Tgt Ion:136 Resp: 205591

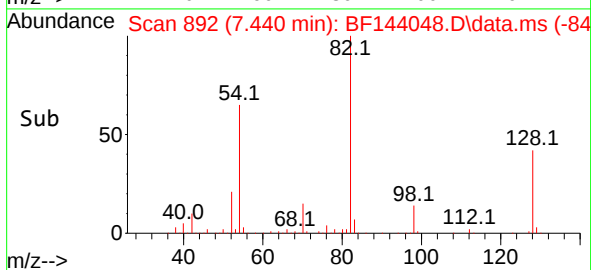
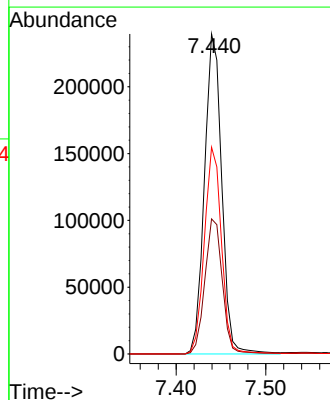
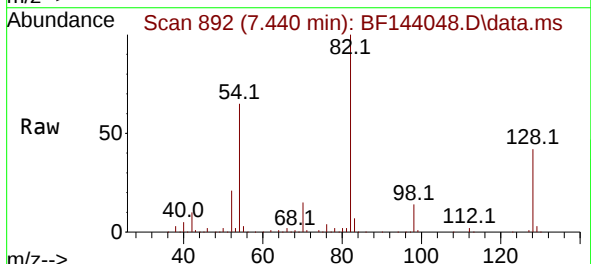
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	9.4	8.2	12.4
68	6.4	6.2	9.4

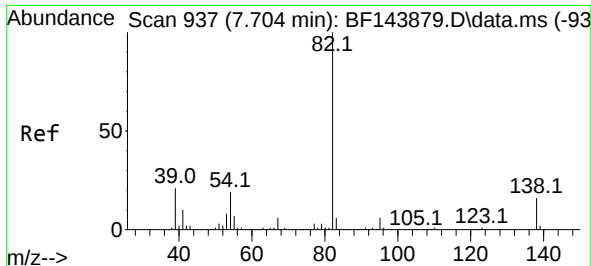


#23
Nitrobenzene-d5
Concen: 94.686 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.018 min
Lab File: BF144048.D
Acq: 22 Oct 2025 18:15

Tgt Ion: 82 Resp: 320411

Ion	Ratio	Lower	Upper
82	100		
128	42.2	34.0	51.0
54	64.6	53.2	79.8

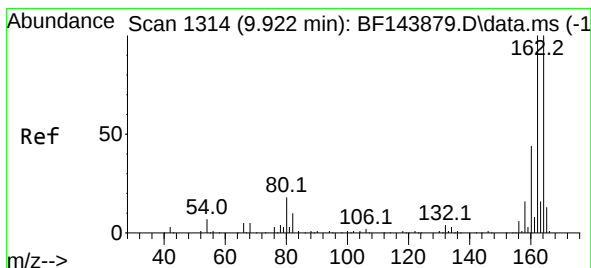
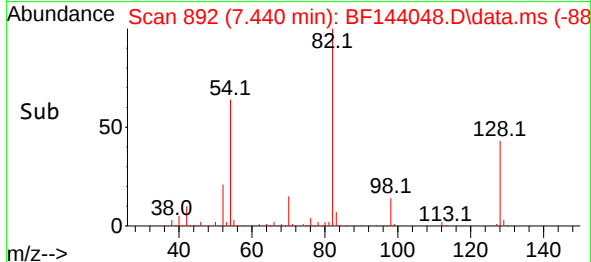
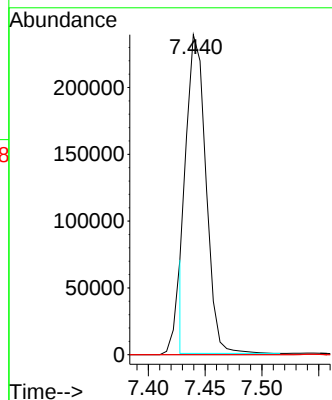
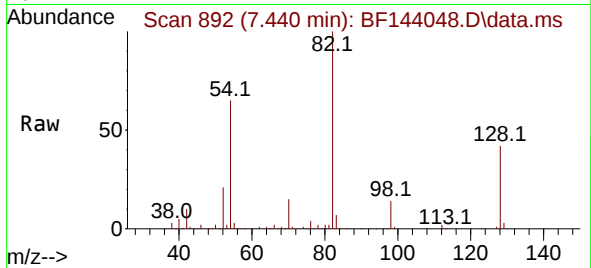




#25
Isophorone
Concen: 39.631 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.282 min
Lab File: BF144048.D
Acq: 22 Oct 2025 18:15

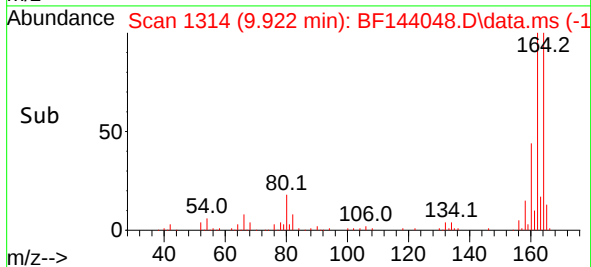
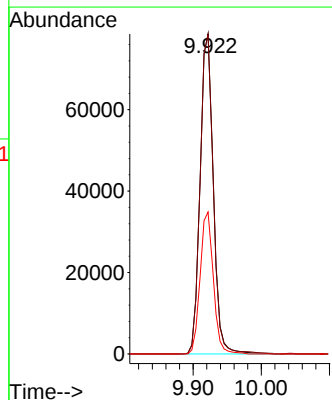
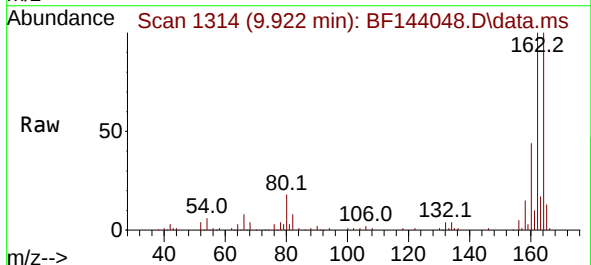
Instrument :
BNA_F
ClientSampleId :
MH-18

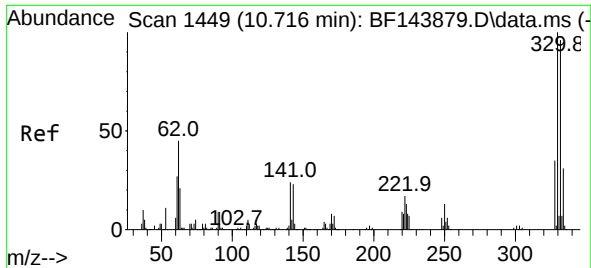
Tgt Ion: 82 Resp: 282776
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF144048.D
Acq: 22 Oct 2025 18:15

Tgt Ion:164 Resp: 105786
Ion Ratio Lower Upper
164 100
162 99.8 80.2 120.2
160 44.4 35.4 53.0

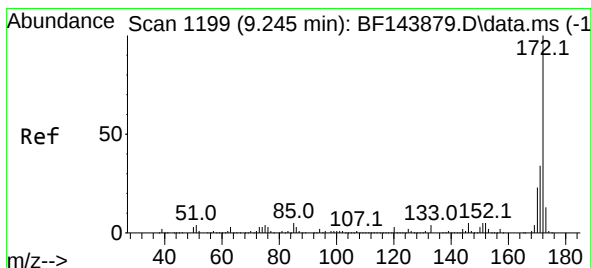
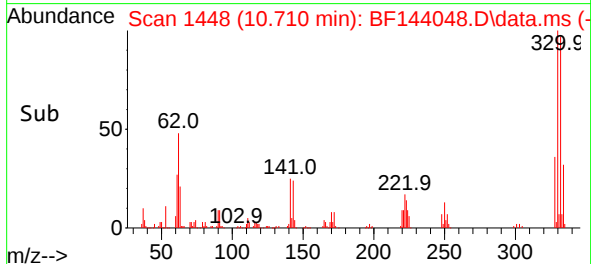
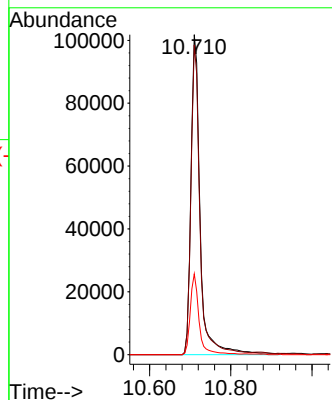
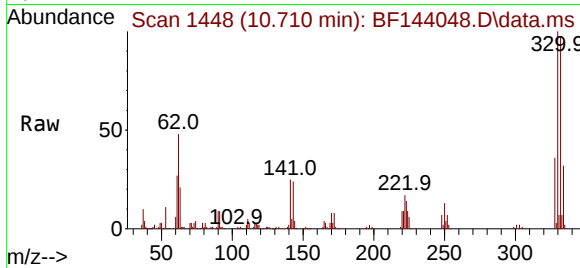




#42
2,4,6-Tribromophenol
Concen: 152.224 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF144048.D
Acq: 22 Oct 2025 18:15

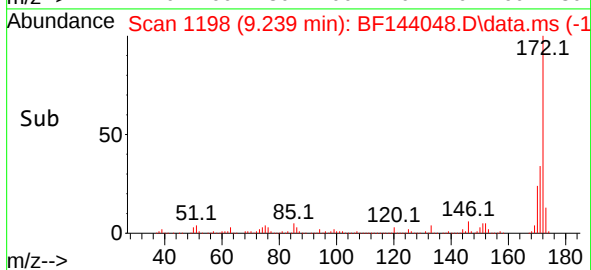
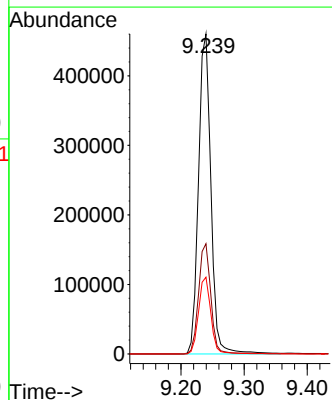
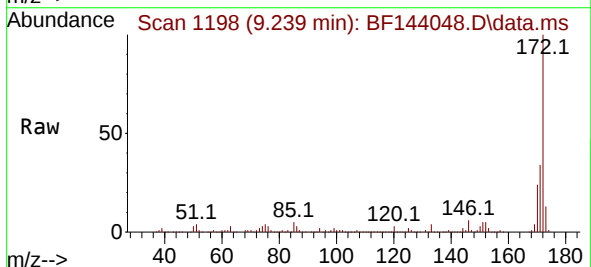
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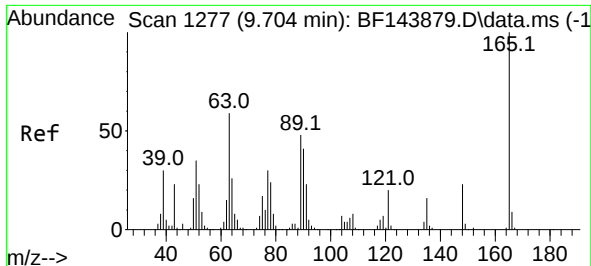
Tgt Ion:330 Resp: 160391
Ion Ratio Lower Upper
330 100
332 94.2 76.9 115.3
141 24.1 20.2 30.4



#45
2-Fluorobiphenyl
Concen: 94.015 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF144048.D
Acq: 22 Oct 2025 18:15

Tgt Ion:172 Resp: 626789
Ion Ratio Lower Upper
172 100
171 34.4 27.4 41.0
170 24.0 18.6 28.0

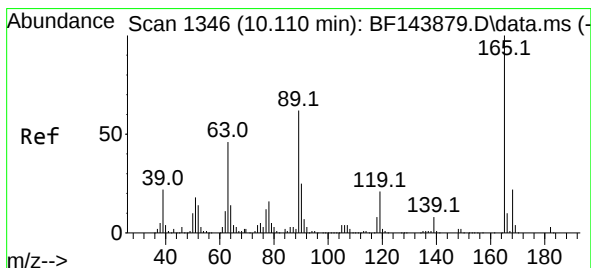
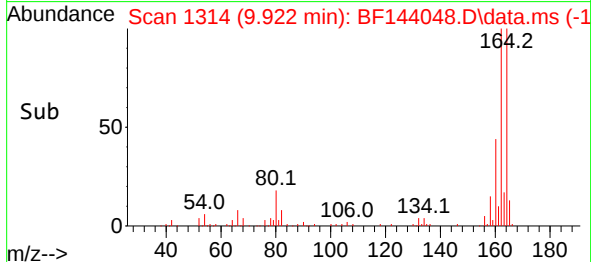
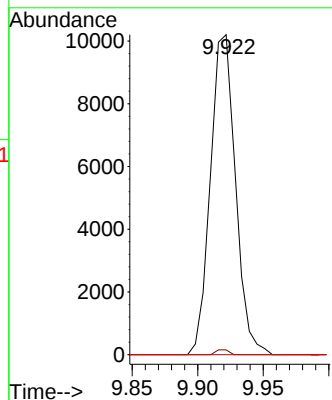
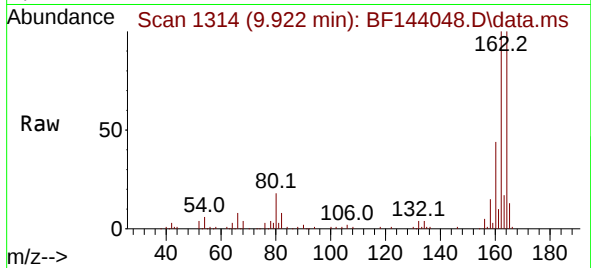




#51
2,6-Dinitrotoluene
Concen: 10.909 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.206 min
Lab File: BF144048.D
Acq: 22 Oct 2025 18:15

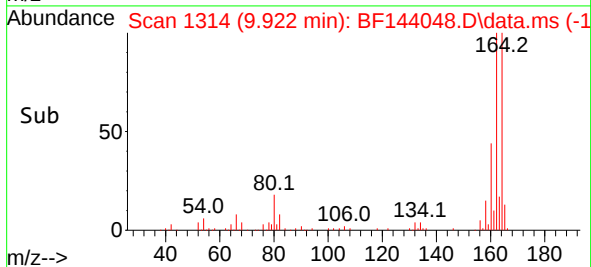
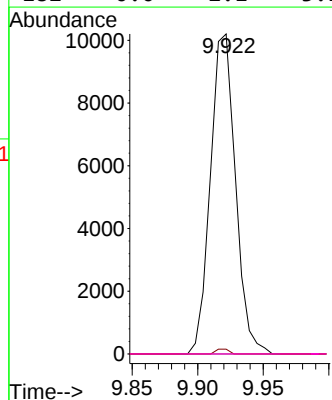
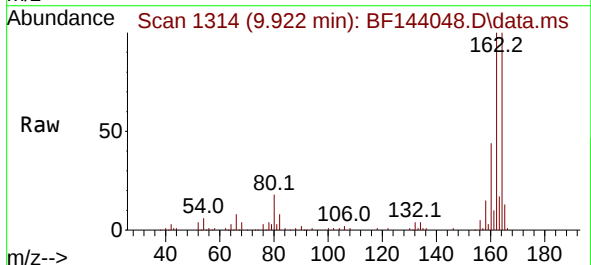
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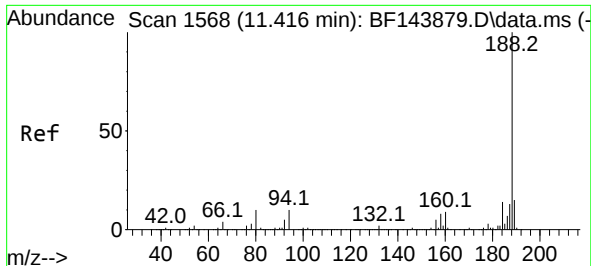
Tgt Ion:165 Resp: 13589
Ion Ratio Lower Upper
165 100
63 1.5 47.3 70.9#
89 0.0 38.2 57.4#



#57
2,4-Dinitrotoluene
Concen: 8.017 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.194 min
Lab File: BF144048.D
Acq: 22 Oct 2025 18:15

Tgt Ion:165 Resp: 13589
Ion Ratio Lower Upper
165 100
63 1.5 37.2 55.8#
89 0.0 49.4 74.2#
182 0.0 2.1 3.1#

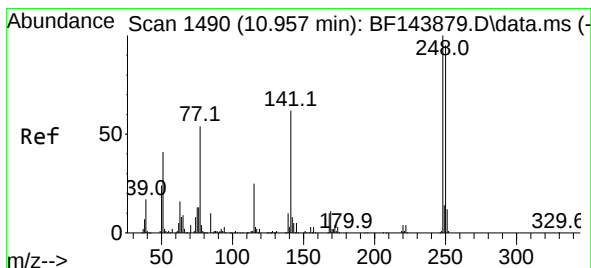
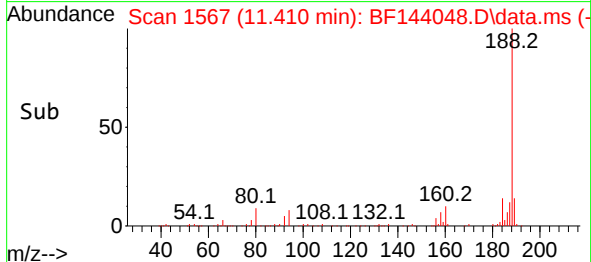
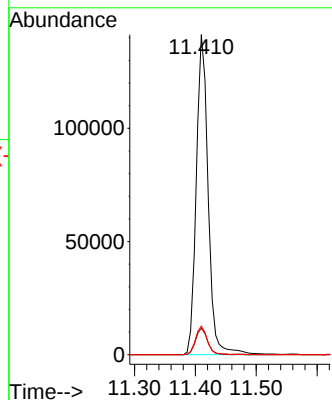
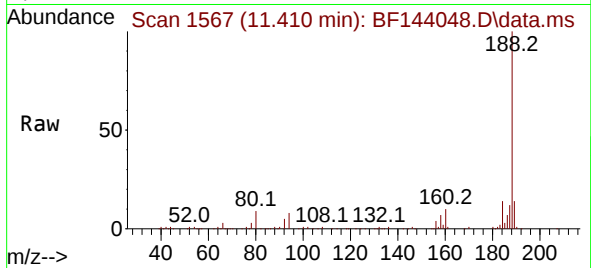




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144048.D
Acq: 22 Oct 2025 18:15

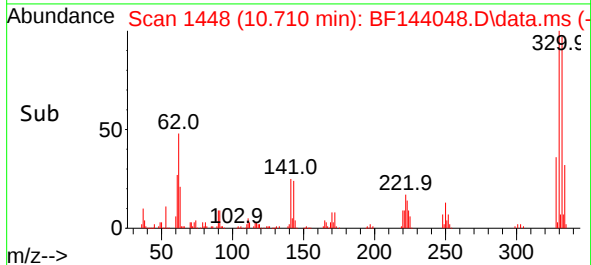
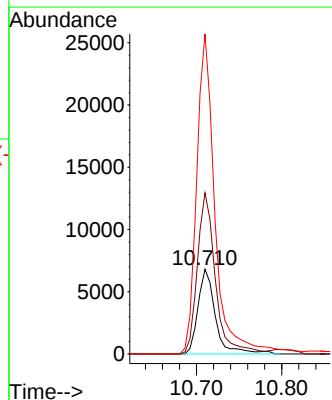
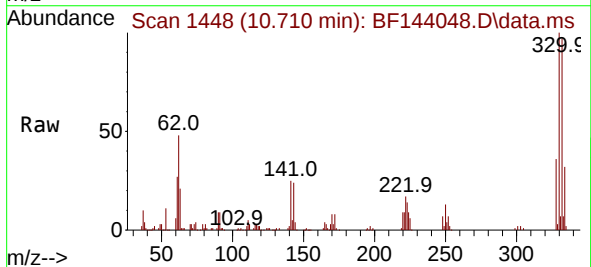
Instrument :
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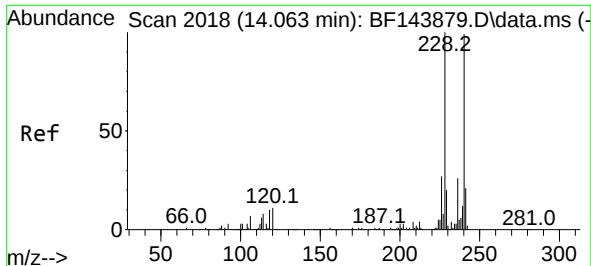
Tgt Ion:188 Resp: 191758
Ion Ratio Lower Upper
188 100
94 8.3 7.8 11.6
80 9.0 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 4.564 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.253 min
Lab File: BF144048.D
Acq: 22 Oct 2025 18:15

Tgt Ion:248 Resp: 9673
Ion Ratio Lower Upper
248 100
250 190.5 76.3 114.5#
141 378.1 49.7 74.5#

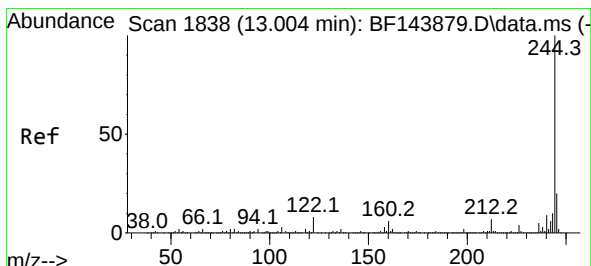
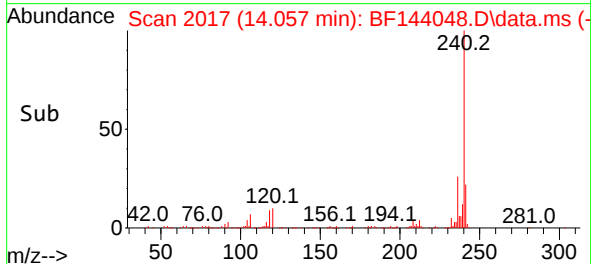
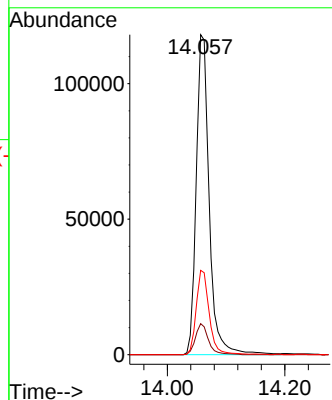
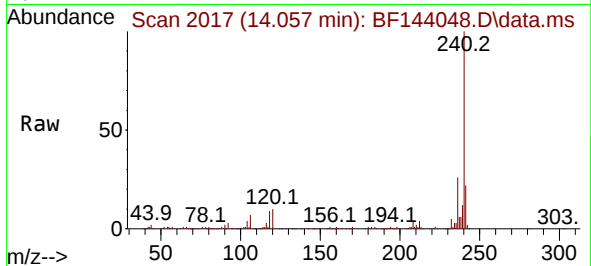




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 20
Delta R.T. -0.011 min
Lab File: BF144048.D
Acq: 22 Oct 2025 18:15

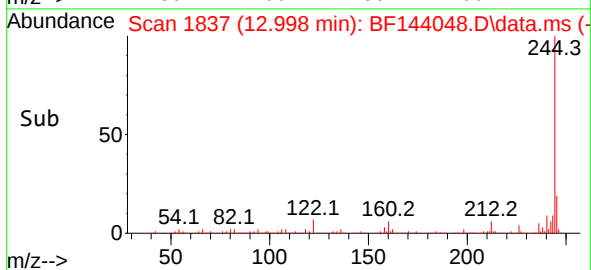
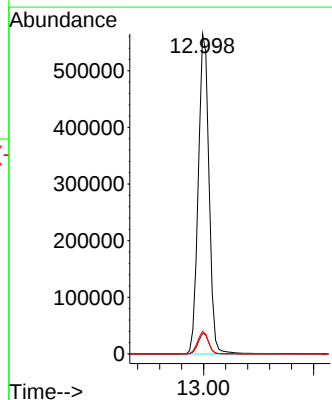
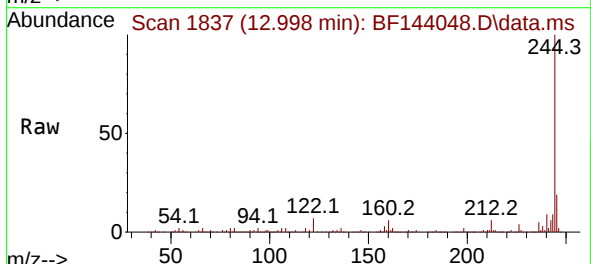
Instrument :
BNA_F
ClientSampleId :
MH-18

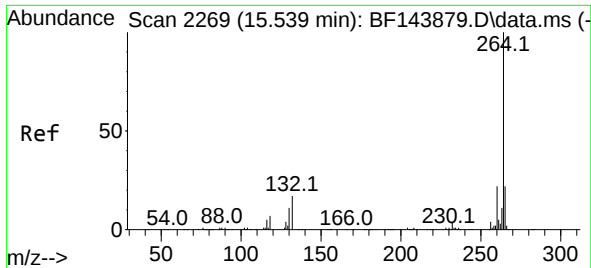
Tgt Ion:240 Resp: 180837
Ion Ratio Lower Upper
240 100
120 9.7 8.6 13.0
236 26.3 21.1 31.7



#79
Terphenyl-d14
Concen: 72.551 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.012 min
Lab File: BF144048.D
Acq: 22 Oct 2025 18:15

Tgt Ion:244 Resp: 767662
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.0
122 7.1 6.4 9.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF144048.D
 Acq: 22 Oct 2025 18:15

Instrument :
 BNA_F
 ClientSampleId :
 MH-18

Tgt Ion:264 Resp: 203468
 Ion Ratio Lower Upper
 264 100
 260 22.1 17.8 26.8
 265 21.0 17.5 26.3

