

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
 Data File : BF144293.D
 Acq On : 20 Nov 2025 14:24
 Operator : RC/JU
 Sample : PB170652BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 20 14:44:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

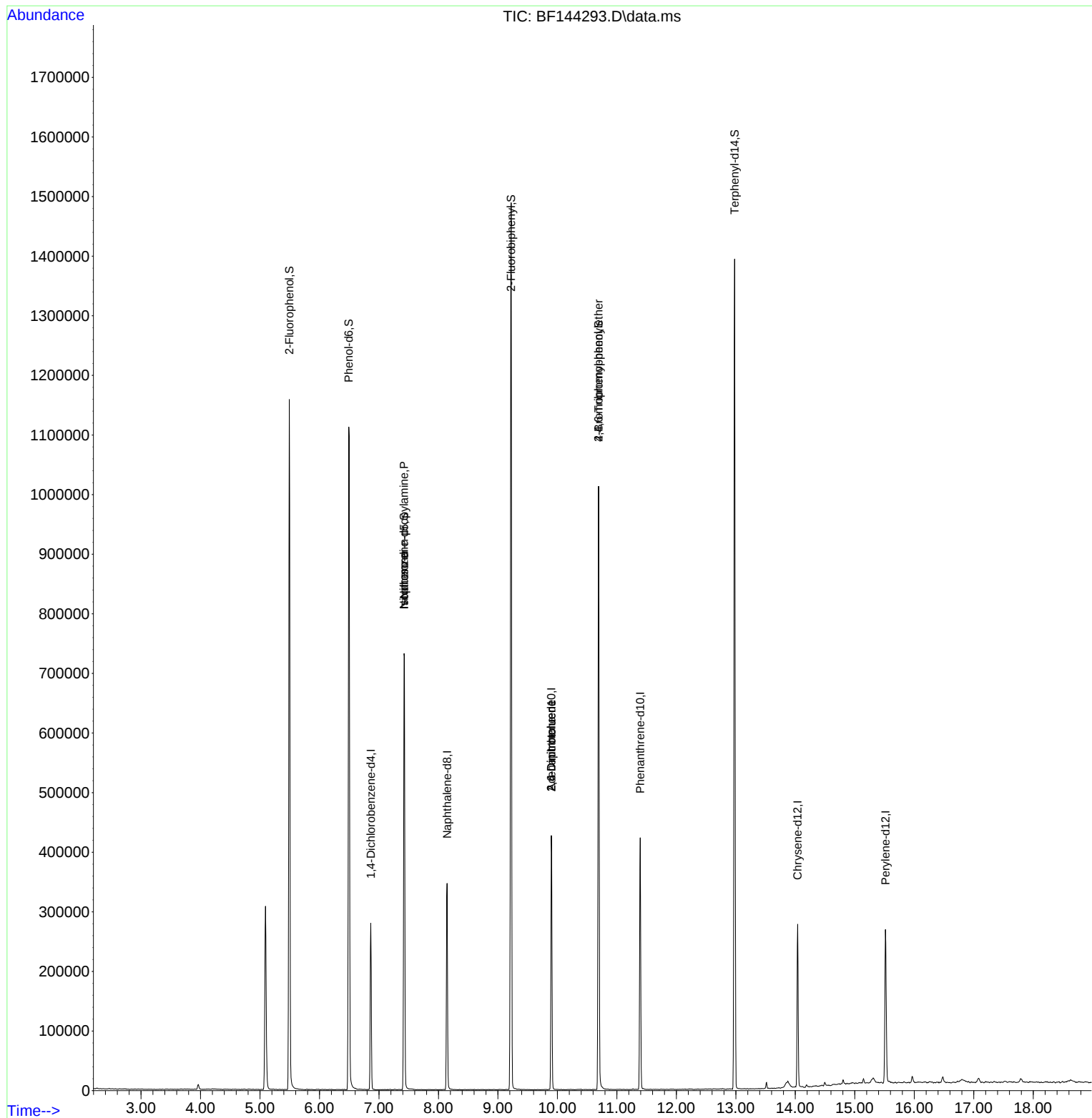
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	59366	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	231384	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	138365	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	235758	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	143252	20.000	ng	-0.01
86) Perylene-d12	15.515	264	166902	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	446645	117.735	ng	0.00
7) Phenol-d6	6.492	99	511149	118.913	ng	0.00
23) Nitrobenzene-d5	7.422	82	323200	80.673	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	207167	119.314	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	735961	78.558	ng	0.00
79) Terphenyl-d14	12.980	244	751005	83.273	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	47449	16.768	ng	# 79
25) Isophorone	7.422	82	323243	42.656	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	16904	9.110	ng	# 28
57) 2,4-Dinitrotoluene	9.898	165	16904	6.805	ng	# 28
67) 4-Bromophenyl-phenylether	10.692	248	11821	3.928	ng	# 1

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

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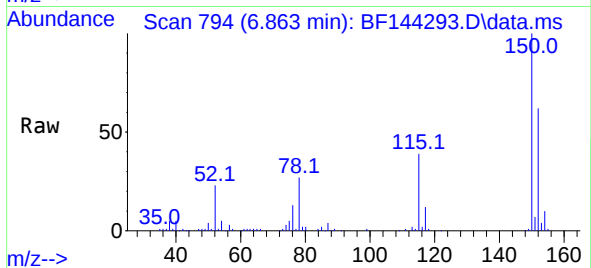
Quant Time: Nov 20 14:44:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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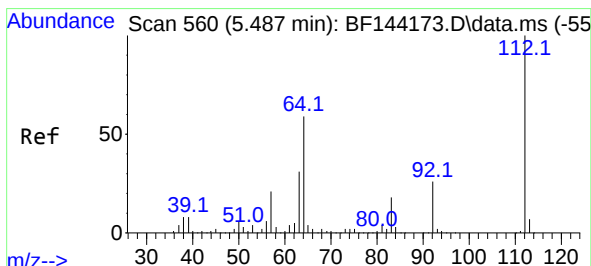
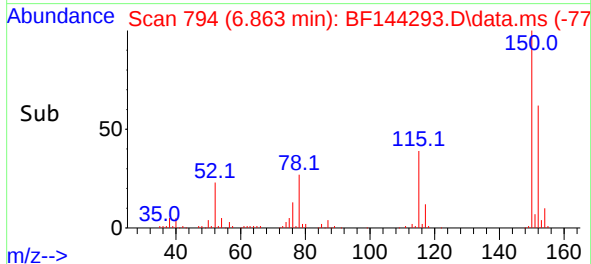
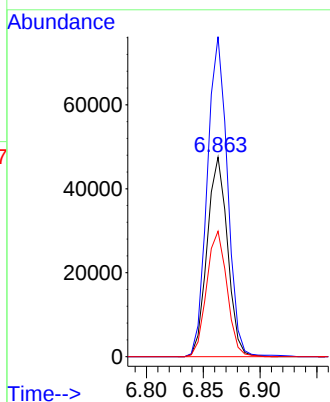


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144293.D
Acq: 20 Nov 2025 14:24

Instrument :
BNA_F
ClientSampleId :

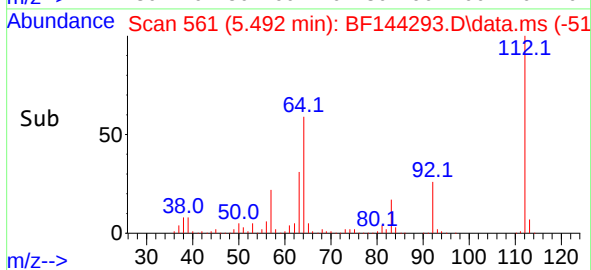
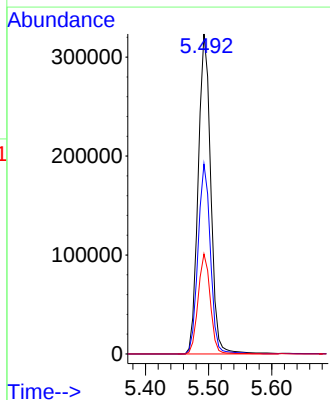
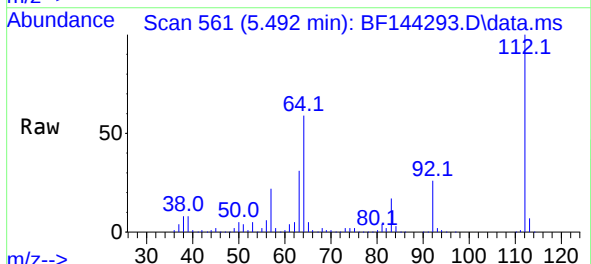


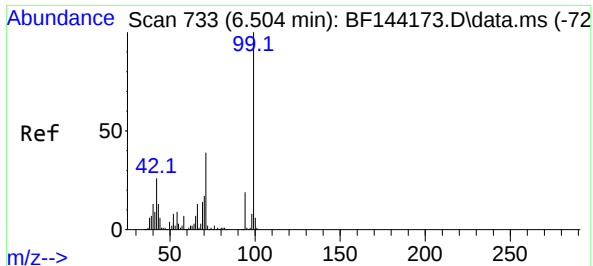
Tgt Ion:152 Resp: 59366
Ion Ratio Lower Upper
152 100
150 160.4 127.4 191.0
115 62.9 49.5 74.3



#5
2-Fluorophenol
Concen: 117.735 ng
RT: 5.492 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144293.D
Acq: 20 Nov 2025 14:24

Tgt Ion:112 Resp: 446645
Ion Ratio Lower Upper
112 100
64 59.4 47.2 70.8
63 31.2 24.4 36.6

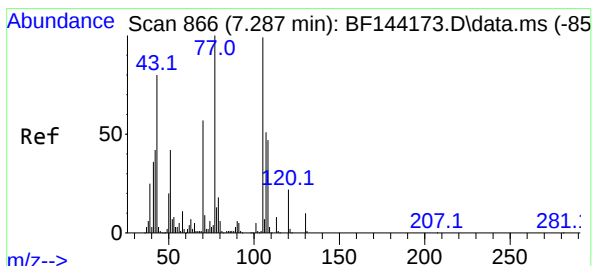
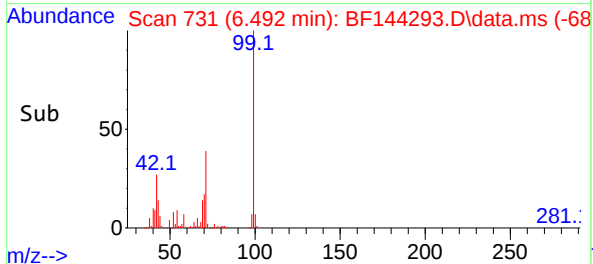
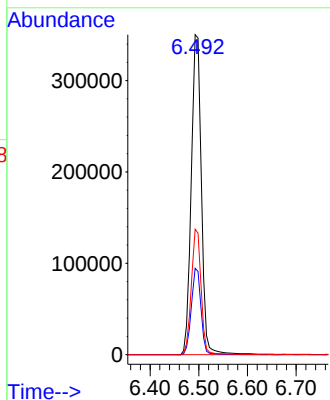
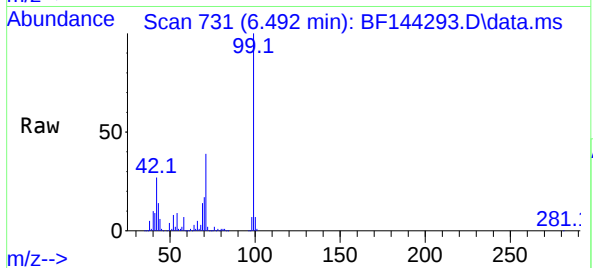




#7
Phenol-d6
Concen: 118.913 ng
RT: 6.492 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144293.D
Acq: 20 Nov 2025 14:24

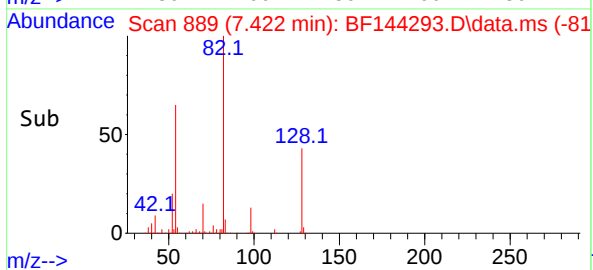
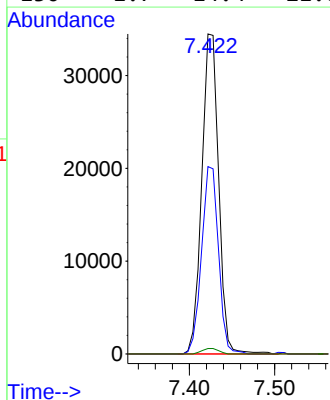
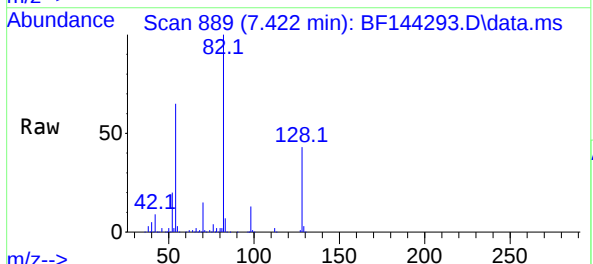
Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 511149
Ion Ratio Lower Upper
99 100
42 27.0 20.9 31.3
71 39.2 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 16.768 ng
RT: 7.422 min Scan# 889
Delta R.T. 0.147 min
Lab File: BF144293.D
Acq: 20 Nov 2025 14:24

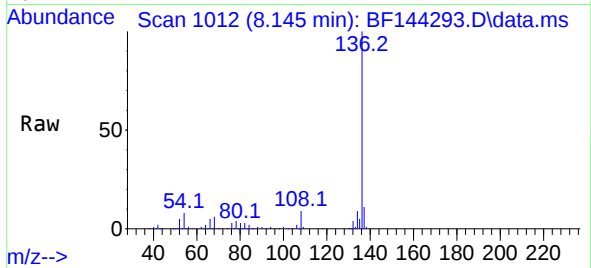
Tgt Ion: 70 Resp: 47449
Ion Ratio Lower Upper
70 100
42 58.6 58.3 87.5
101 0.0 7.0 10.6#
130 1.7 14.4 21.6#



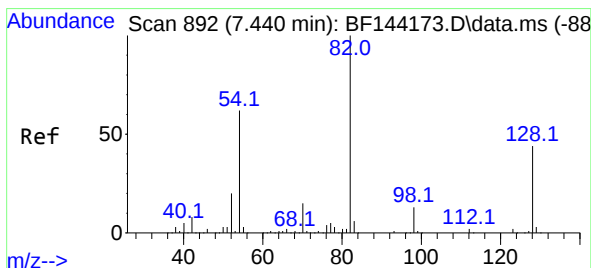
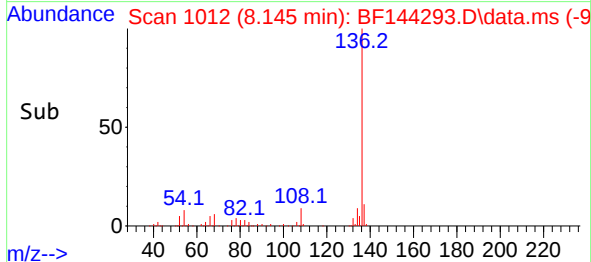
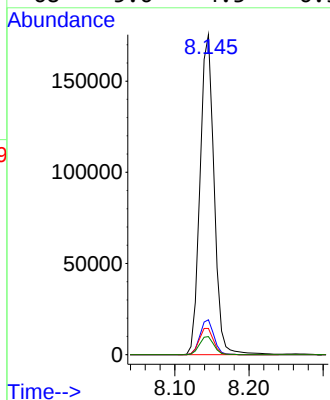


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144293.D
Acq: 20 Nov 2025 14:24

Instrument :
BNA_F
ClientSampleId :

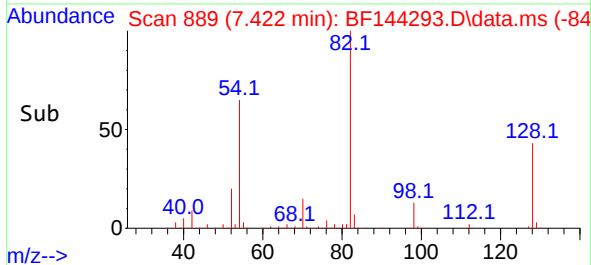
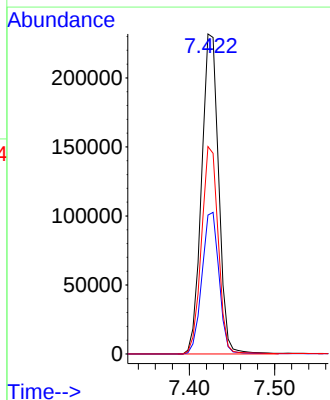
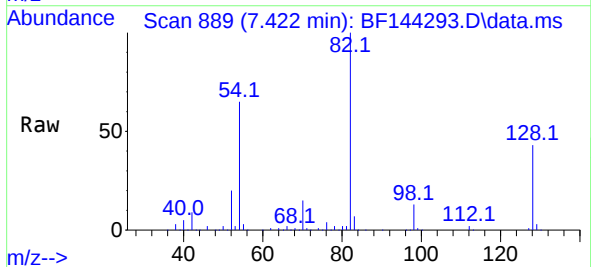


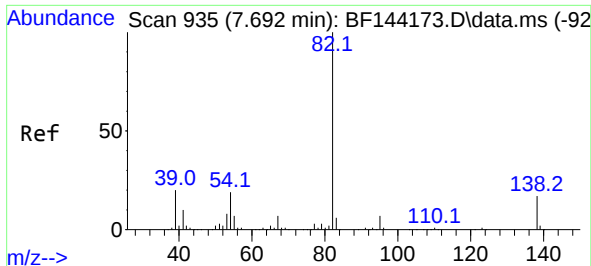
Tgt Ion:136 Resp: 231384
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.2 7.0 10.6
68 5.6 4.3 6.5



#23
Nitrobenzene-d5
Concen: 80.673 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF144293.D
Acq: 20 Nov 2025 14:24

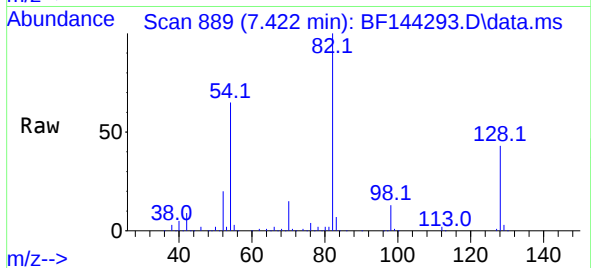
Tgt Ion: 82 Resp: 323200
Ion Ratio Lower Upper
82 100
128 43.4 34.7 52.1
54 64.8 49.5 74.3



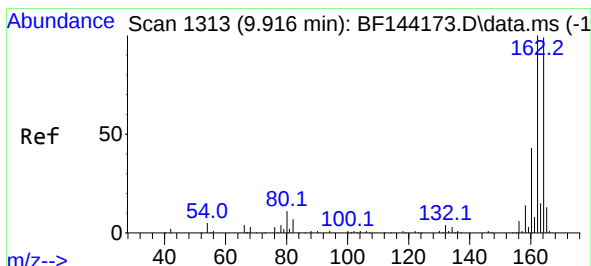
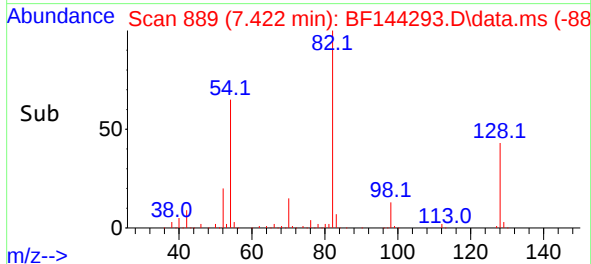
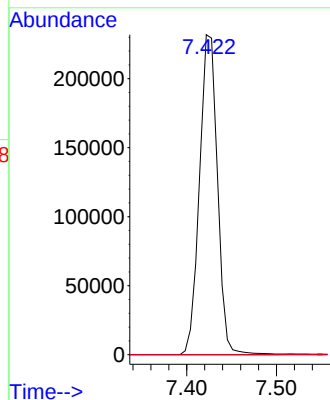


#25
Isophorone
Concen: 42.656 ng
RT: 7.422 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF144293.D
Acq: 20 Nov 2025 14:24

Instrument :
BNA_F
ClientSampleId :

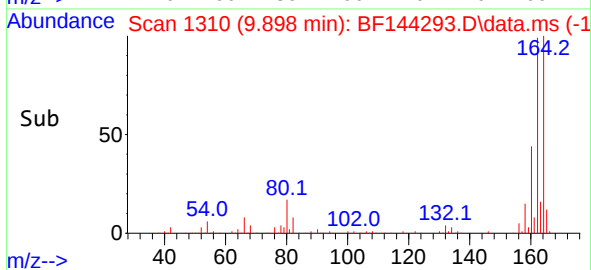
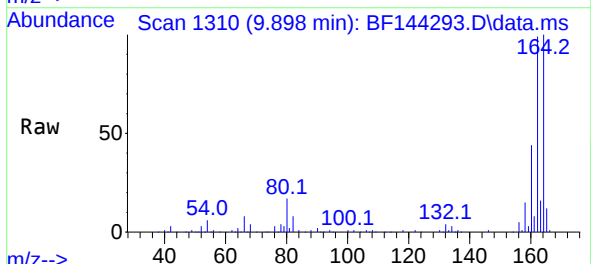
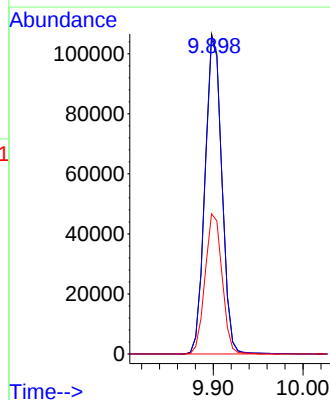


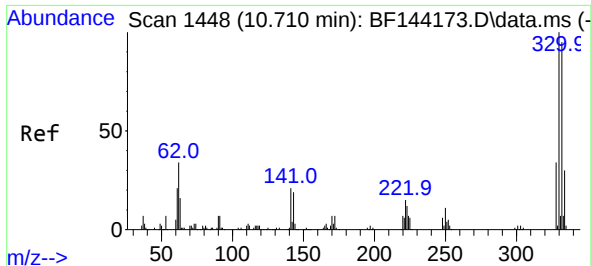
Tgt Ion: 82 Resp: 323243
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144293.D
Acq: 20 Nov 2025 14:24

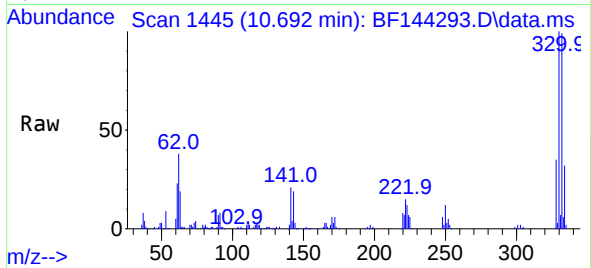
Tgt Ion:164 Resp: 138365
Ion Ratio Lower Upper
164 100
162 98.6 81.1 121.7
160 43.8 34.5 51.7



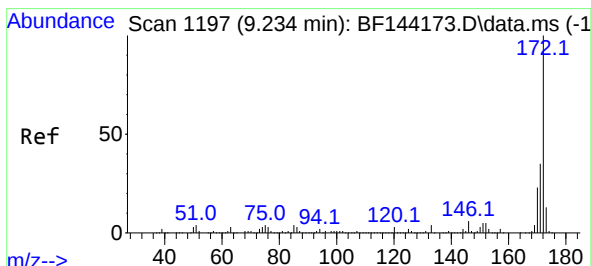
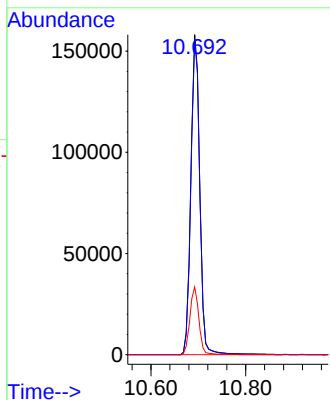
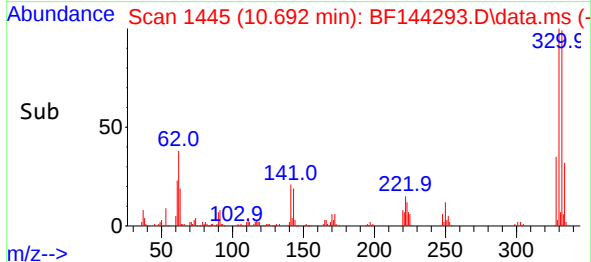


#42
2,4,6-Tribromophenol
Concen: 119.314 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144293.D
Acq: 20 Nov 2025 14:24

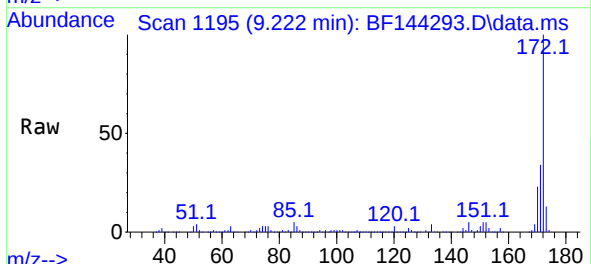
Instrument :
BNA_F
ClientSampleId :



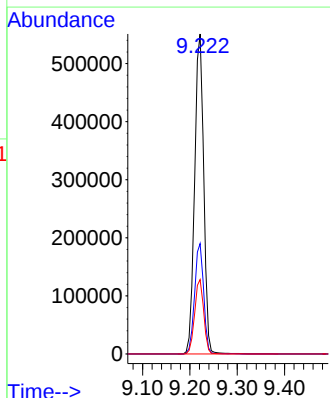
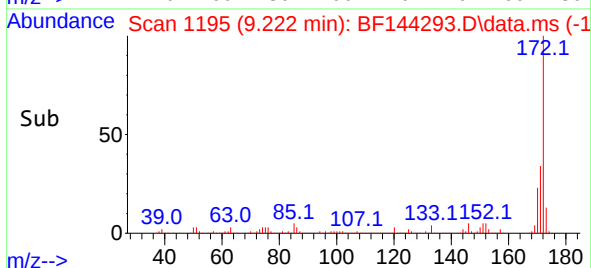
Tgt Ion:330 Resp: 207167
Ion Ratio Lower Upper
330 100
332 97.6 76.7 115.1
141 21.2 17.8 26.8



#45
2-Fluorobiphenyl
Concen: 78.558 ng
RT: 9.222 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF144293.D
Acq: 20 Nov 2025 14:24



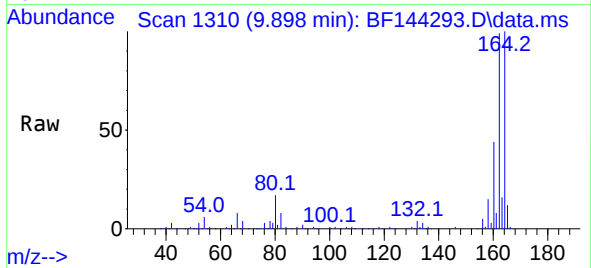
Tgt Ion:172 Resp: 735961
Ion Ratio Lower Upper
172 100
171 34.5 28.1 42.1
170 23.2 18.6 28.0



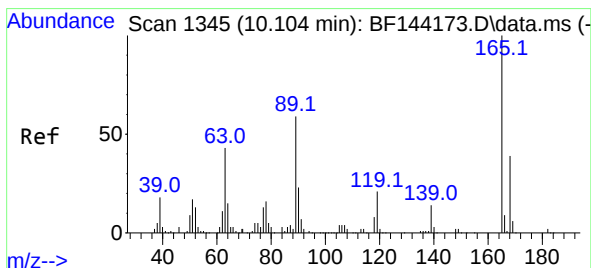
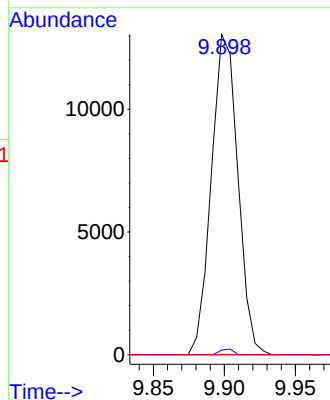
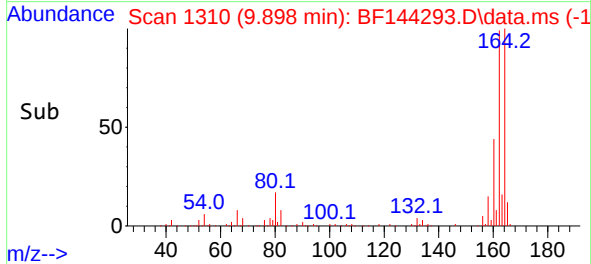


#51
2,6-Dinitrotoluene
Concen: 9.110 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF144293.D
Acq: 20 Nov 2025 14:24

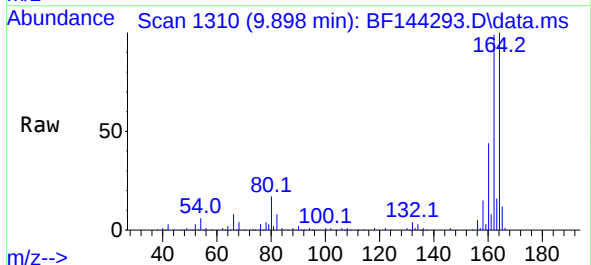
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BNA_F
ClientSampleId :



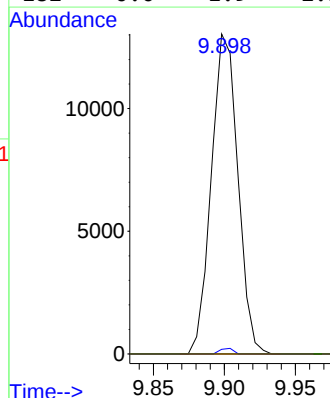
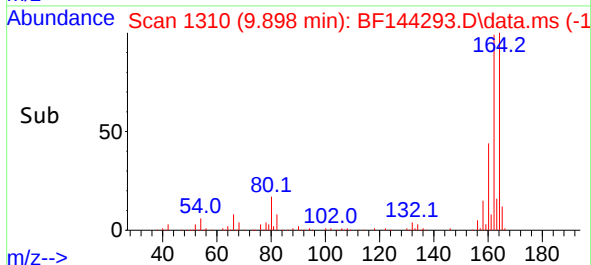
Tgt Ion:165 Resp: 16904
Ion Ratio Lower Upper
165 100
63 1.5 43.8 65.8#
89 0.0 37.5 56.3#

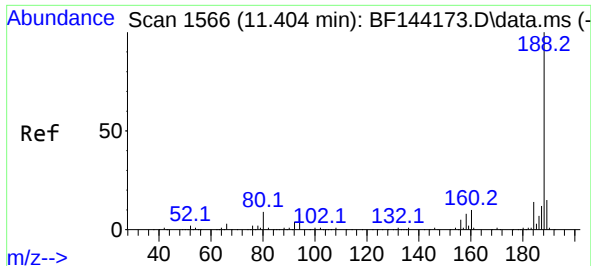


#57
2,4-Dinitrotoluene
Concen: 6.805 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.200 min
Lab File: BF144293.D
Acq: 20 Nov 2025 14:24



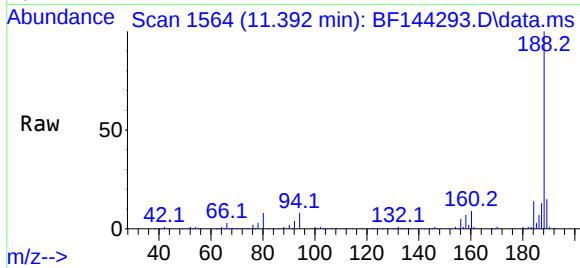
Tgt Ion:165 Resp: 16904
Ion Ratio Lower Upper
165 100
63 1.5 35.5 53.3#
89 0.0 47.4 71.2#
182 0.0 1.9 2.9#



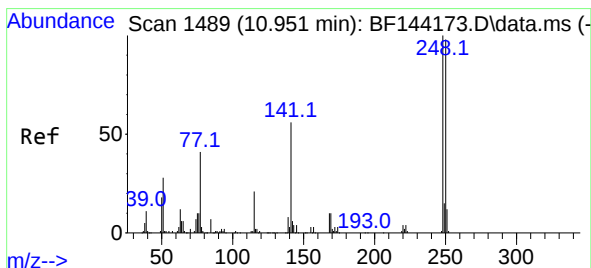
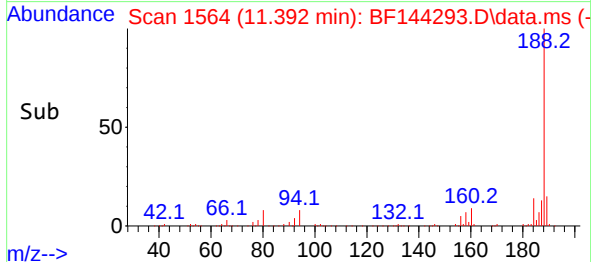
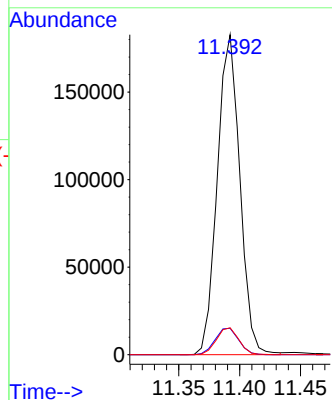


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144293.D
Acq: 20 Nov 2025 14:24

Instrument :
BNA_F
ClientSampleId :

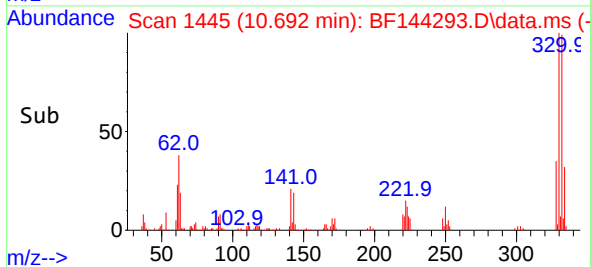
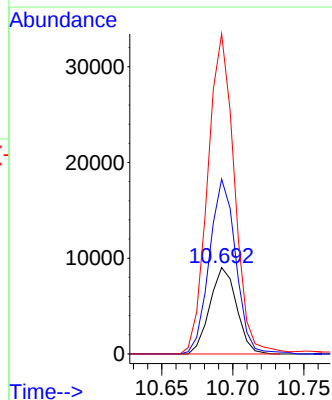
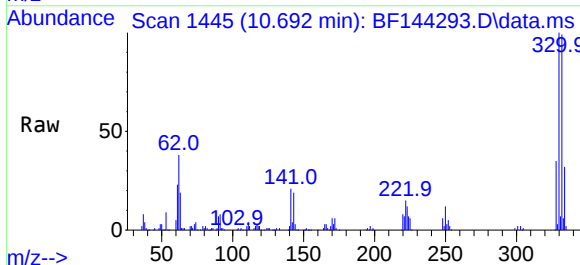


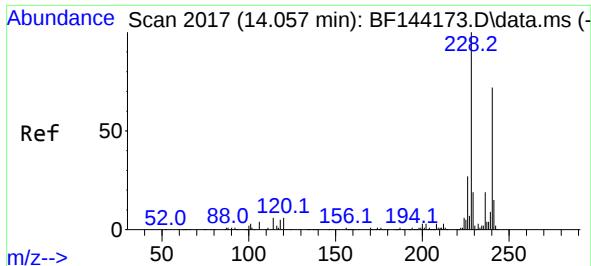
Tgt Ion:188 Resp: 235758
Ion Ratio Lower Upper
188 100
94 8.3 6.2 9.2
80 8.4 6.9 10.3



#67
4-Bromophenyl-phenylether
Concen: 3.928 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.253 min
Lab File: BF144293.D
Acq: 20 Nov 2025 14:24

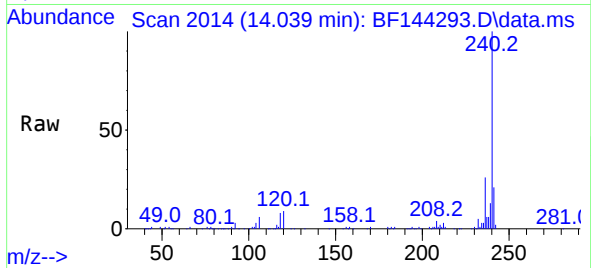
Tgt Ion:248 Resp: 11821
Ion Ratio Lower Upper
248 100
250 202.3 78.4 117.6#
141 370.2 45.1 67.7#



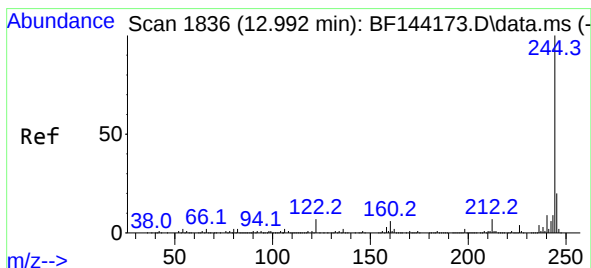
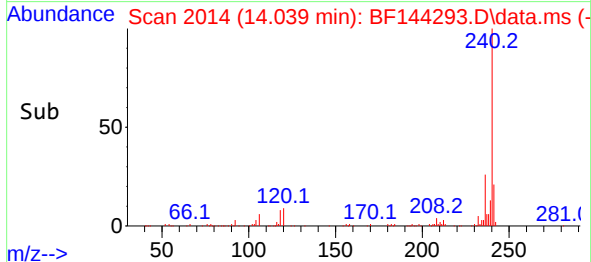
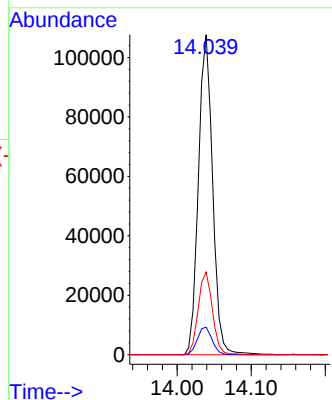


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144293.D
Acq: 20 Nov 2025 14:24

Instrument :
BNA_F
ClientSampleId :

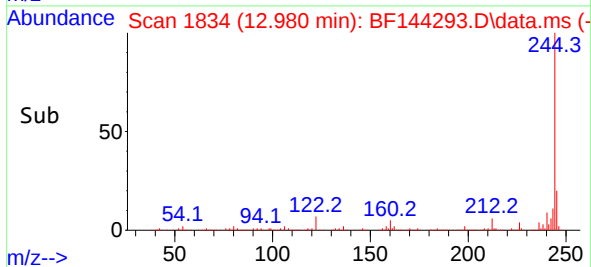
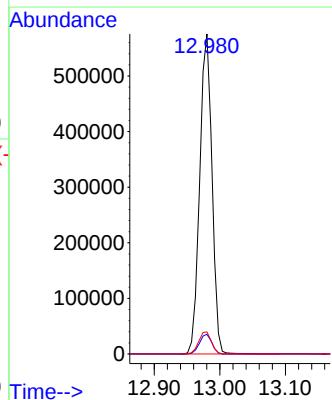
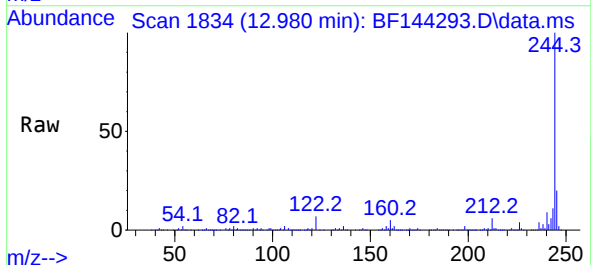


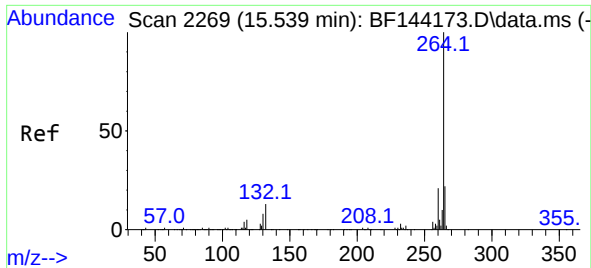
Tgt Ion:240 Resp: 143252
Ion Ratio Lower Upper
240 100
120 8.6 6.6 10.0
236 25.9 21.4 32.2



#79
Terphenyl-d14
Concen: 83.273 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144293.D
Acq: 20 Nov 2025 14:24

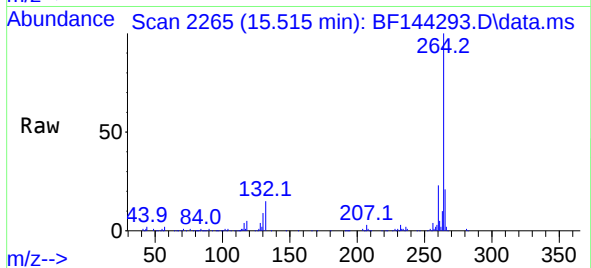
Tgt Ion:244 Resp: 751005
Ion Ratio Lower Upper
244 100
212 6.1 5.3 7.9
122 6.9 5.6 8.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.515 min Scan# 21
 Delta R.T. -0.024 min
 Lab File: BF144293.D
 Acq: 20 Nov 2025 14:24

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:264 Resp: 166902

Ion	Ratio	Lower	Upper
264	100		
260	22.6	17.1	25.7
265	20.9	17.4	26.0

