

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
 Data File : BF144033.D
 Acq On : 22 Oct 2025 10:54
 Operator : RC/JU
 Sample : PB170180BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB170180BL

Quant Time: Oct 22 12:19:33 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)

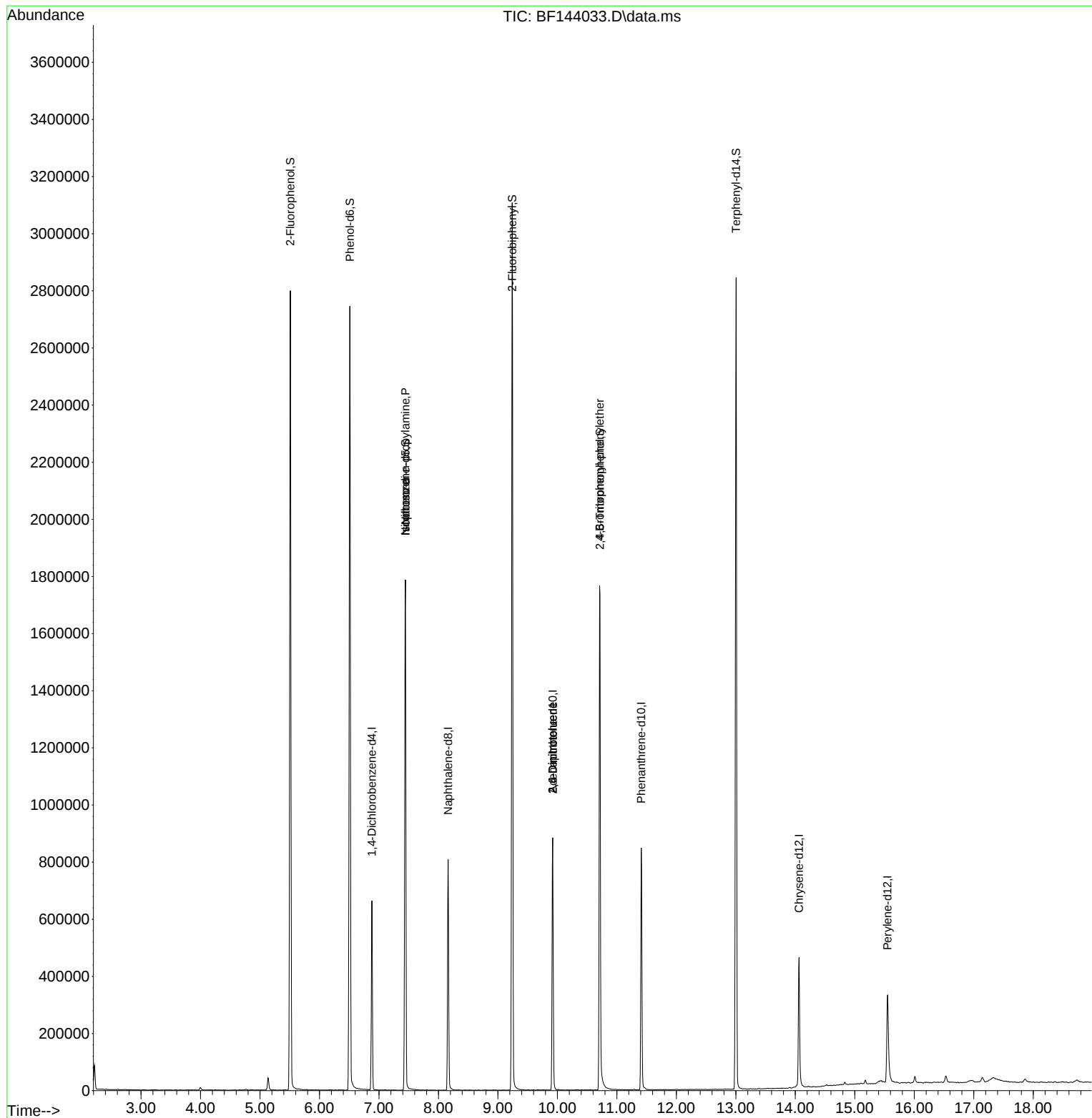
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	133448	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	515654	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	278111	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	477973	20.000	ng	0.00
76) Chrysene-d12	14.063	240	255711	20.000	ng	0.00
86) Perylene-d12	15.551	264	254526	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1090224	129.733	ng	0.01
7) Phenol-d6	6.510	99	1280999	127.886	ng	0.00
23) Nitrobenzene-d5	7.445	82	827633	97.512	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	376350	135.864	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1515939	86.491	ng	-0.01
79) Terphenyl-d14	13.004	244	1526595	102.032	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.445	70	124347	18.136	ng	# 77
25) Isophorone	7.445	82	735919	41.122	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	34564	10.554	ng	# 26
57) 2,4-Dinitrotoluene	9.922	165	34564	7.757	ng	# 27
67) 4-Bromophenyl-phenylether	10.710	248	21710	4.110	ng	# 1

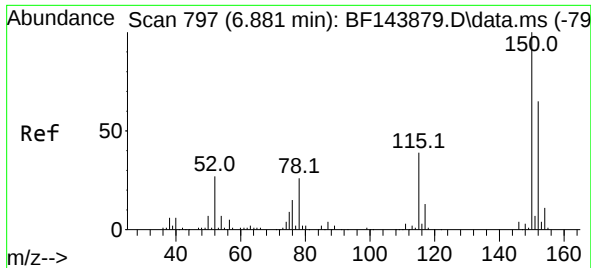
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 06 15:29:47 2025
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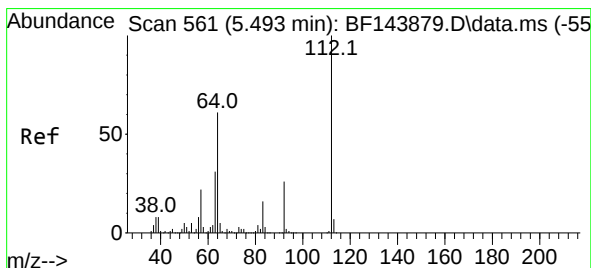
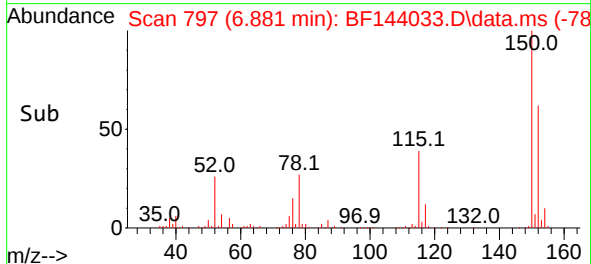
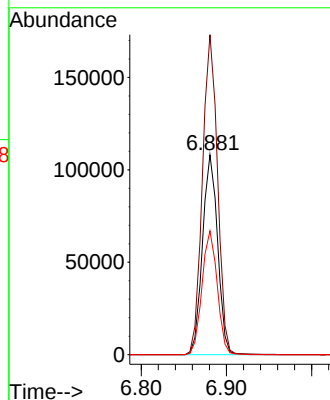
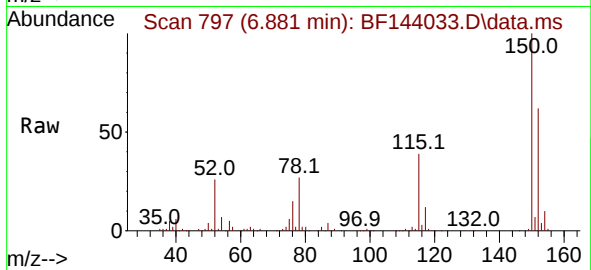




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 79
 Delta R.T. -0.005 min
 Lab File: BF144033.D
 Acq: 22 Oct 2025 10:54

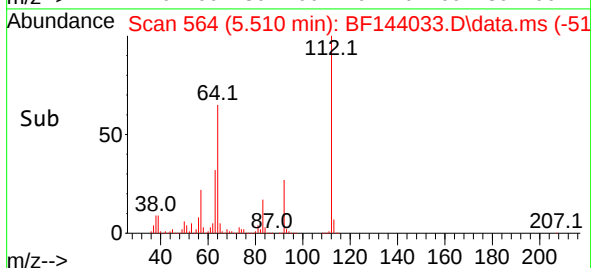
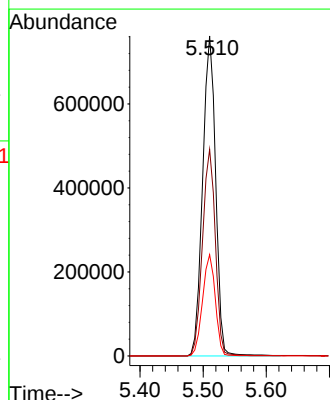
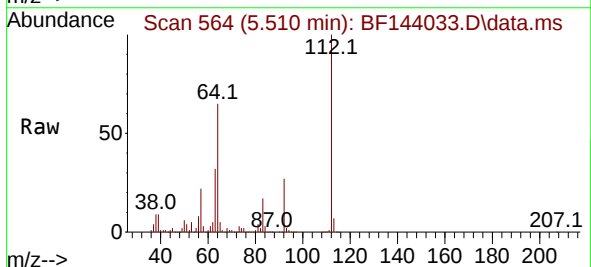
Instrument :
 BNA_F
 ClientSampleId :
 PB170180BL

Tgt Ion:152 Resp: 133448
 Ion Ratio Lower Upper
 152 100
 150 160.1 124.4 186.6
 115 62.0 48.1 72.1



#5
 2-Fluorophenol
 Concen: 129.733 ng
 RT: 5.510 min Scan# 564
 Delta R.T. 0.012 min
 Lab File: BF144033.D
 Acq: 22 Oct 2025 10:54

Tgt Ion:112 Resp: 1090224
 Ion Ratio Lower Upper
 112 100
 64 64.6 49.1 73.7
 63 31.6 24.5 36.7

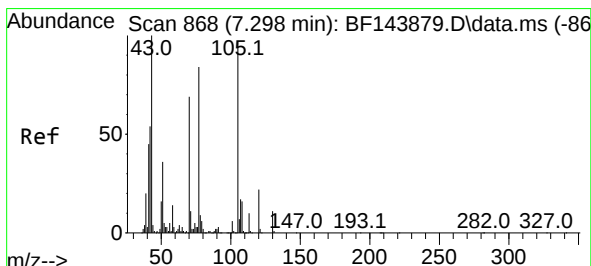
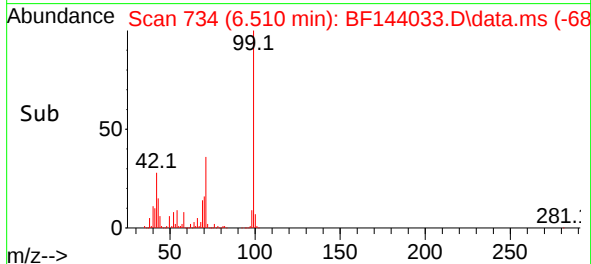
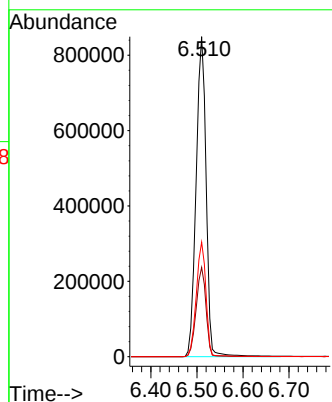
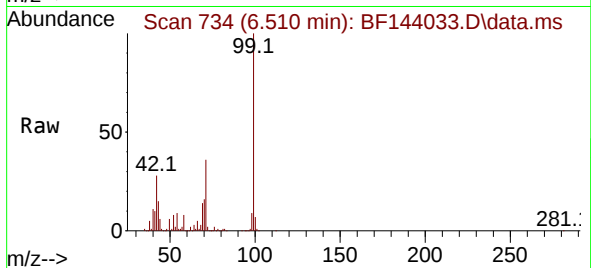




#7
Phenol-d6
Concen: 127.886 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144033.D
Acq: 22 Oct 2025 10:54

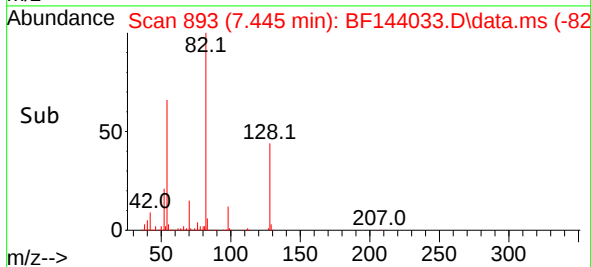
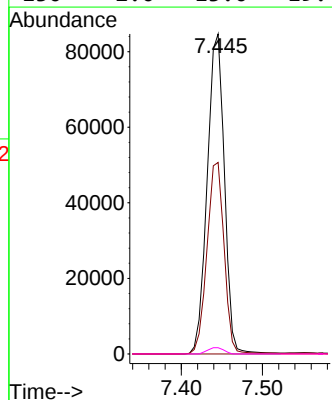
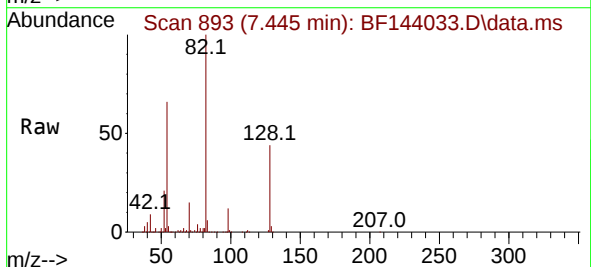
Instrument :
BNA_F
ClientSampleId :
PB170180BL

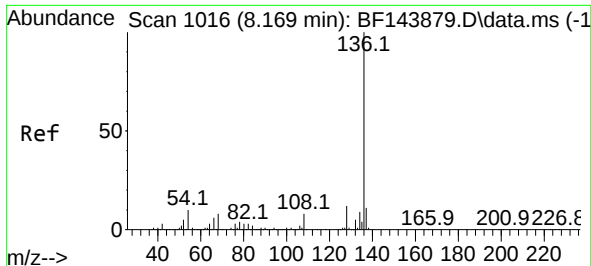
Tgt Ion: 99 Resp: 1280999
Ion Ratio Lower Upper
99 100
42 27.9 21.0 31.4
71 35.8 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 18.136 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.129 min
Lab File: BF144033.D
Acq: 22 Oct 2025 10:54

Tgt Ion: 70 Resp: 124347
Ion Ratio Lower Upper
70 100
42 59.8 62.8 94.2#
101 0.0 6.7 10.1#
130 2.0 13.0 19.4#

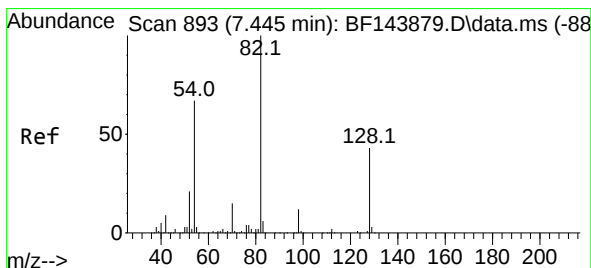
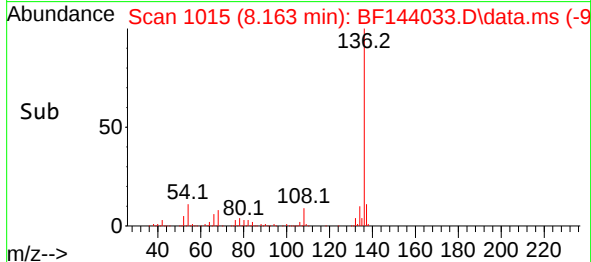
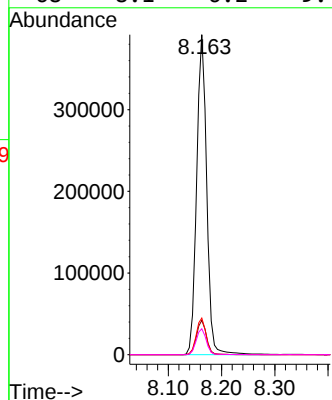
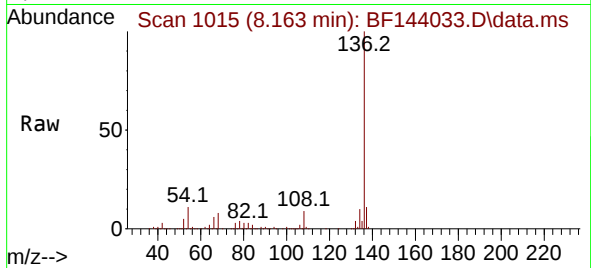




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF144033.D
Acq: 22 Oct 2025 10:54

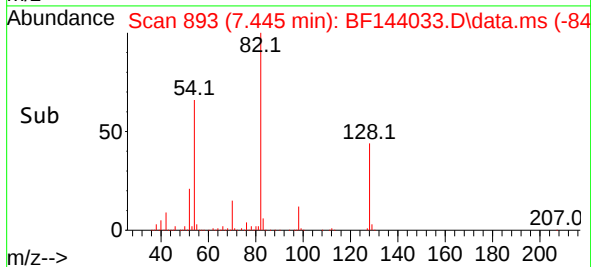
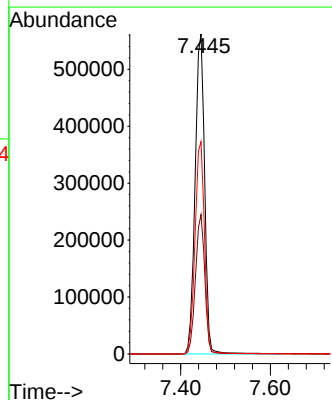
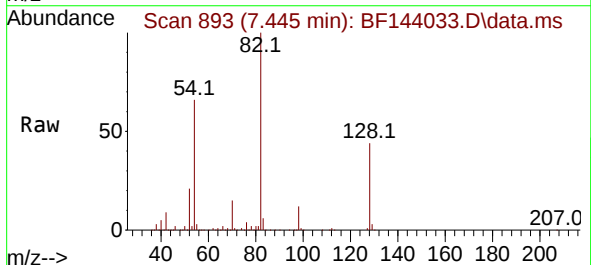
Instrument :
BNA_F
ClientSampleId :
PB170180BL

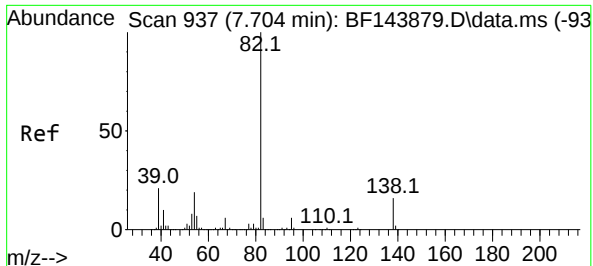
Tgt Ion:	136	Resp:	515654
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	11.5	8.2	12.4
68	8.1	6.2	9.4



#23
Nitrobenzene-d5
Concen: 97.512 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF144033.D
Acq: 22 Oct 2025 10:54

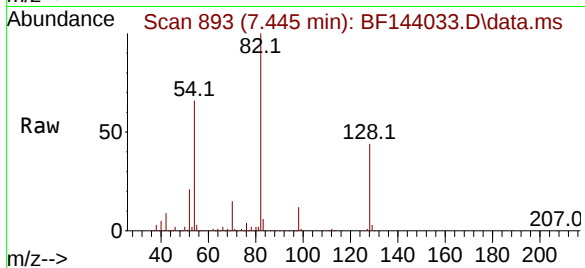
Tgt Ion:	82	Resp:	827633
Ion	Ratio	Lower	Upper
82	100		
128	43.5	34.0	51.0
54	66.3	53.2	79.8



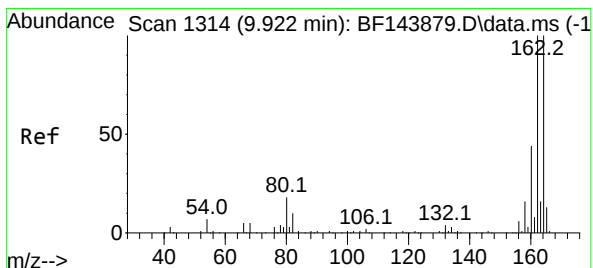
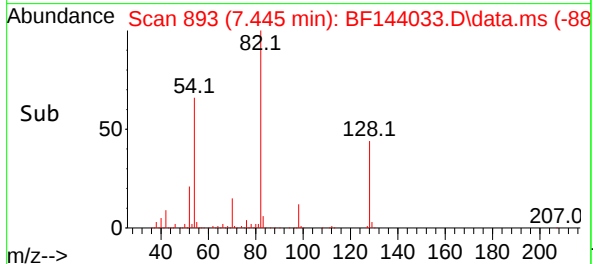
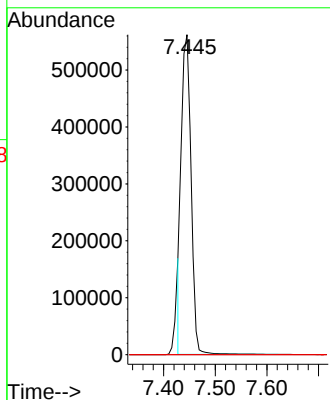


#25
Isophorone
Concen: 41.122 ng
RT: 7.445 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF144033.D
Acq: 22 Oct 2025 10:54

Instrument :
BNA_F
ClientSampleId :
PB170180BL

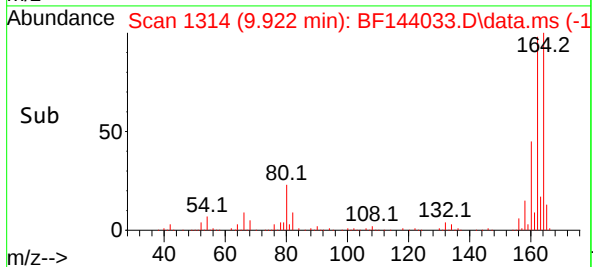
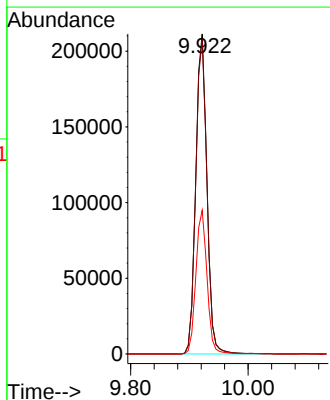
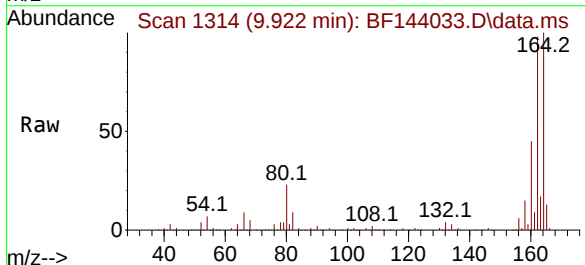


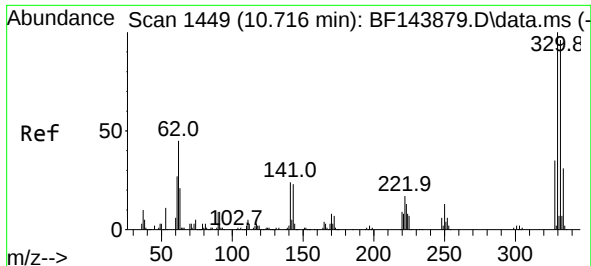
Tgt Ion: 82 Resp: 735919
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF144033.D
Acq: 22 Oct 2025 10:54

Tgt Ion: 164 Resp: 278111
Ion Ratio Lower Upper
164 100
162 98.3 80.2 120.2
160 44.9 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 135.864 ng

RT: 10.716 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF144033.D

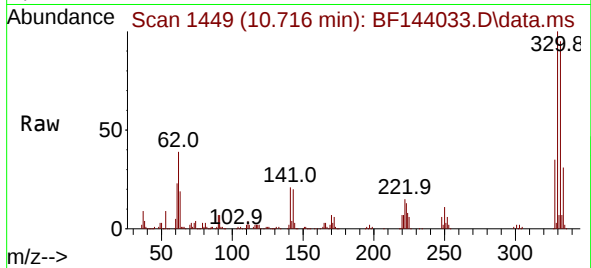
Acq: 22 Oct 2025 10:54

Instrument :

BNA_F

ClientSampleId :

PB170180BL



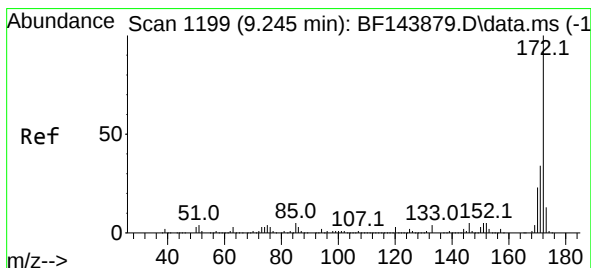
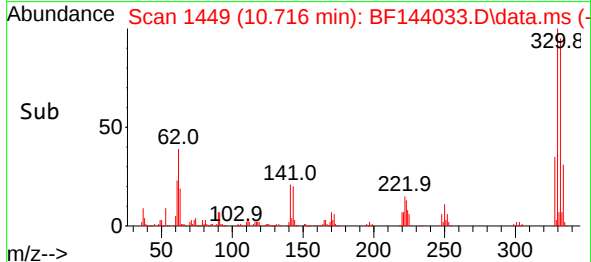
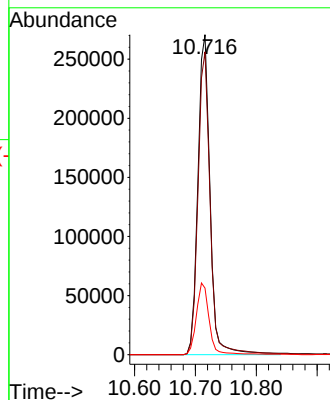
Tgt Ion:330 Resp: 376350

Ion Ratio Lower Upper

330 100

332 95.1 76.9 115.3

141 23.6 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 86.491 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF144033.D

Acq: 22 Oct 2025 10:54

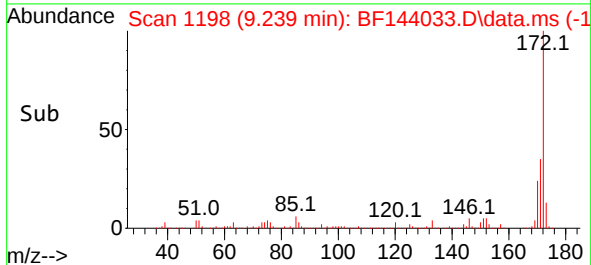
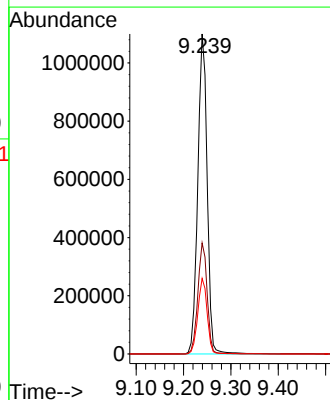
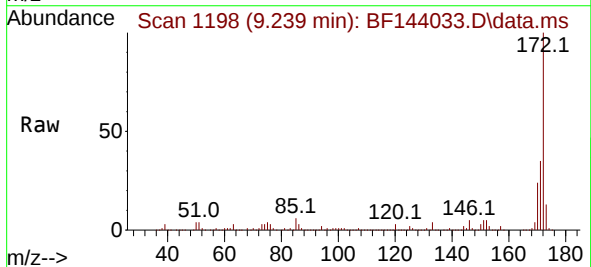
Tgt Ion:172 Resp: 1515939

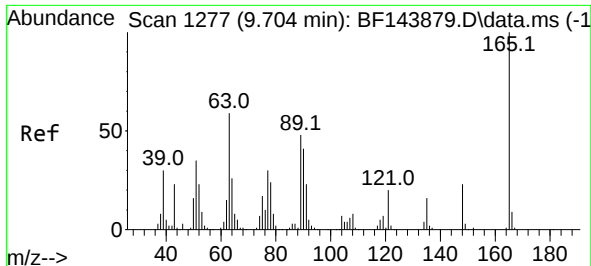
Ion Ratio Lower Upper

172 100

171 34.7 27.4 41.0

170 23.6 18.6 28.0





#51

2,6-Dinitrotoluene

Concen: 10.554 ng

RT: 9.922 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF144033.D

Acq: 22 Oct 2025 10:54

Instrument :

BNA_F

ClientSampleId :

PB170180BL

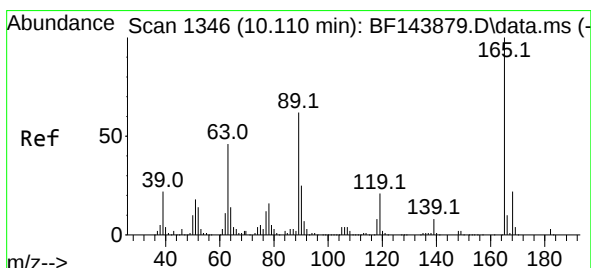
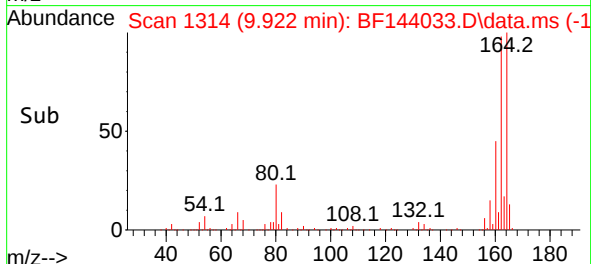
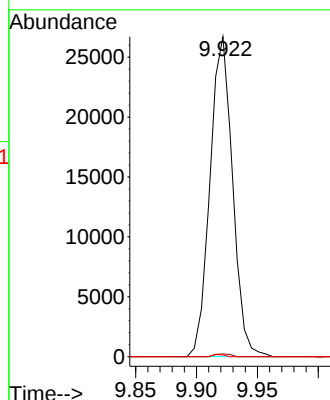
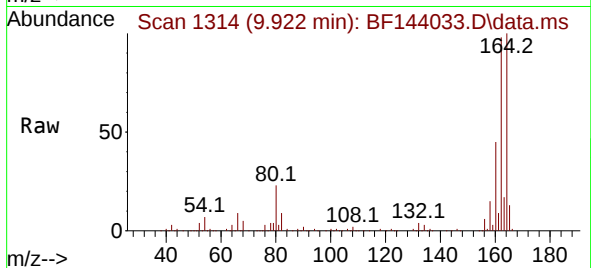
Tgt Ion:165 Resp: 34564

Ion Ratio Lower Upper

165 100

63 0.9 47.3 70.9#

89 0.6 38.2 57.4#



#57

2,4-Dinitrotoluene

Concen: 7.757 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.194 min

Lab File: BF144033.D

Acq: 22 Oct 2025 10:54

Tgt Ion:165 Resp: 34564

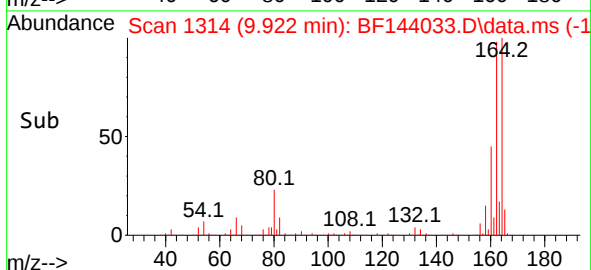
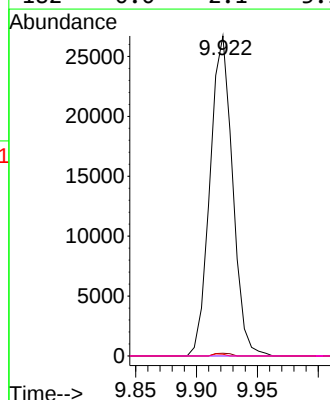
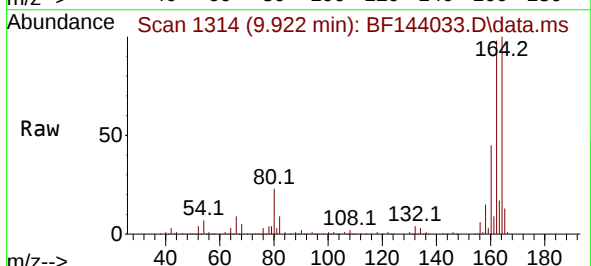
Ion Ratio Lower Upper

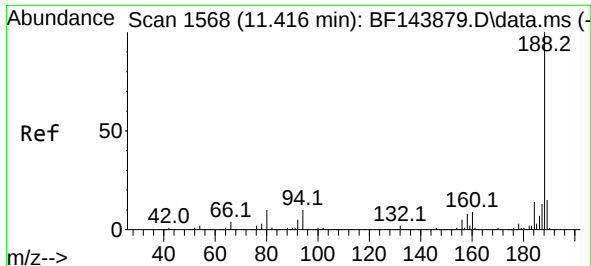
165 100

63 0.9 37.2 55.8#

89 0.6 49.4 74.2#

182 0.0 2.1 3.1#

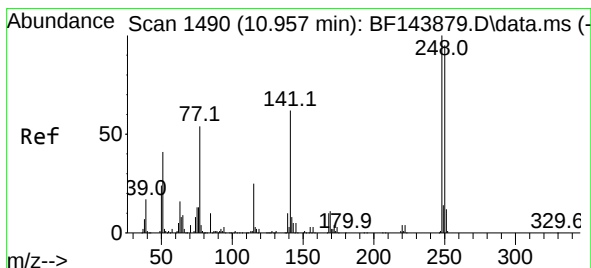
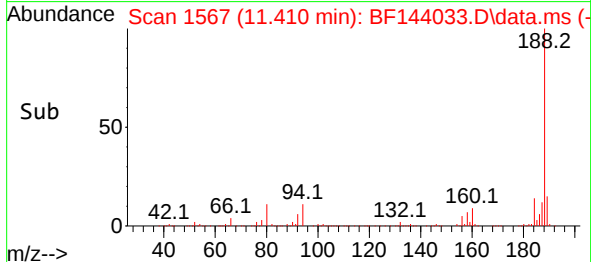
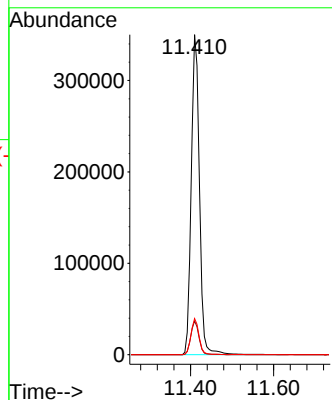
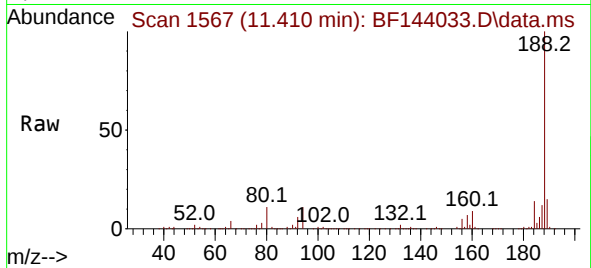




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144033.D
Acq: 22 Oct 2025 10:54

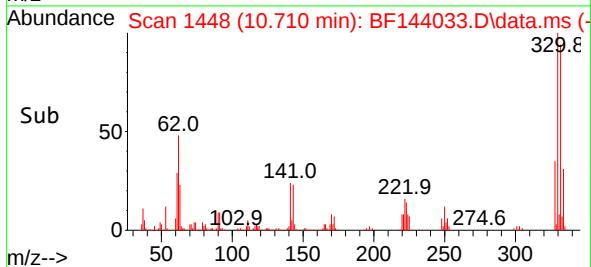
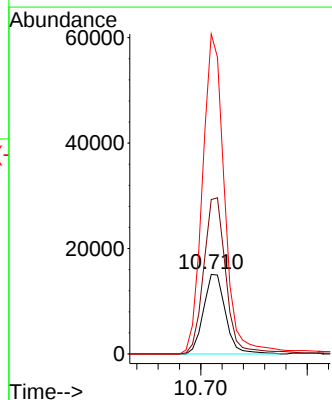
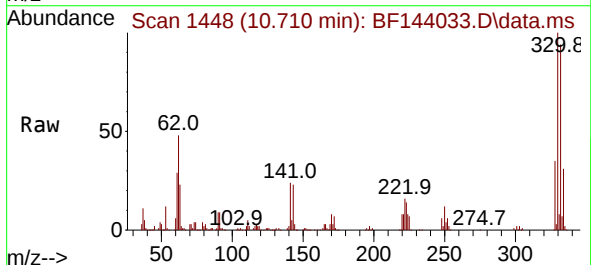
Instrument :
BNA_F
ClientSampleId :
PB170180BL

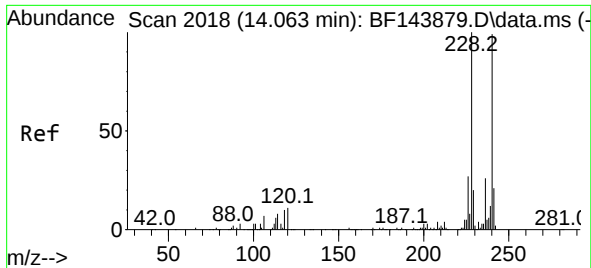
Tgt Ion:188 Resp: 477973
Ion Ratio Lower Upper
188 100
94 10.6 7.8 11.6
80 11.3 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 4.110 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.253 min
Lab File: BF144033.D
Acq: 22 Oct 2025 10:54

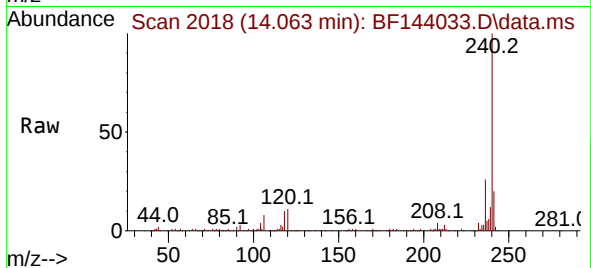
Tgt Ion:248 Resp: 21710
Ion Ratio Lower Upper
248 100
250 193.9 76.3 114.5#
141 402.0 49.7 74.5#



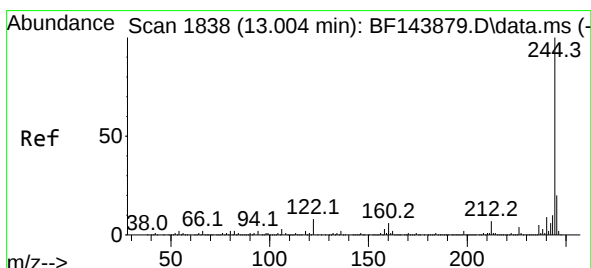
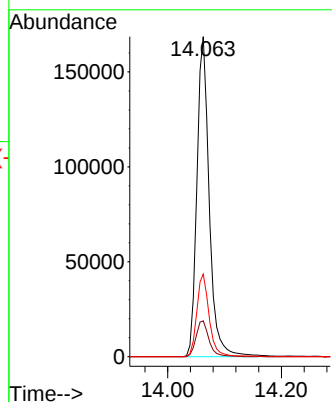
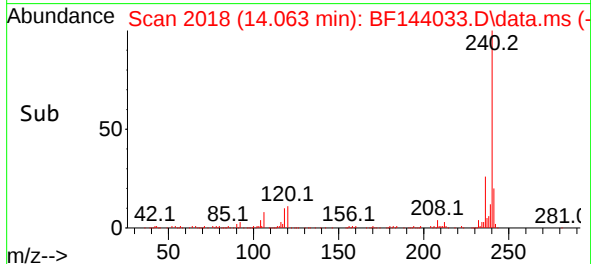


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF144033.D
Acq: 22 Oct 2025 10:54

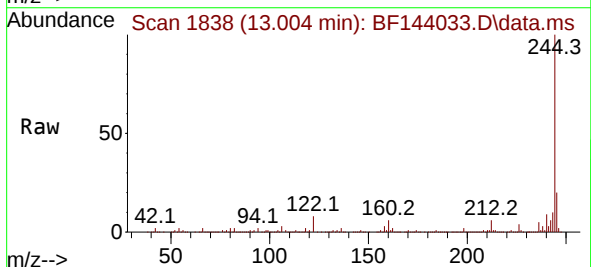
Instrument :
BNA_F
ClientSampleId :
PB170180BL



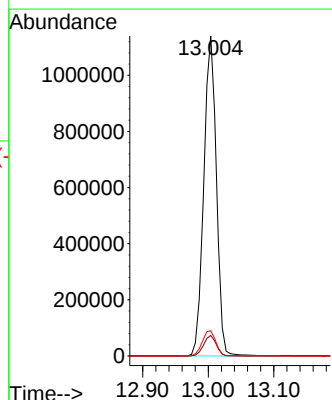
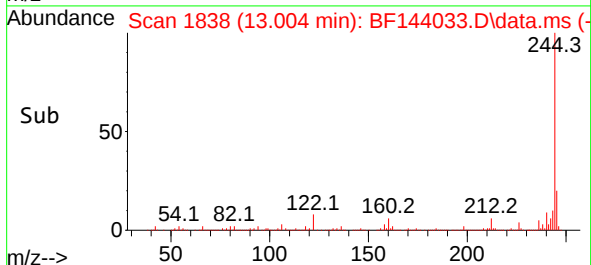
Tgt Ion:240 Resp: 255711
Ion Ratio Lower Upper
240 100
120 11.2 8.6 13.0
236 25.8 21.1 31.7

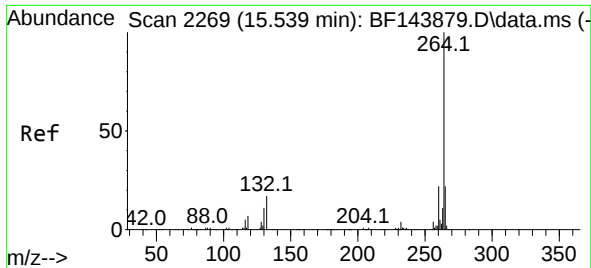


#79
Terphenyl-d14
Concen: 102.032 ng
RT: 13.004 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF144033.D
Acq: 22 Oct 2025 10:54



Tgt Ion:244 Resp: 1526595
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.0
122 7.9 6.4 9.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF144033.D
Acq: 22 Oct 2025 10:54

Instrument :
BNA_F
ClientSampleId :
PB170180BL

Tgt Ion:264 Resp: 254526
Ion Ratio Lower Upper
264 100
260 20.5 17.8 26.8
265 20.4 17.5 26.3

