

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
 Data File : BF144122.D
 Acq On : 29 Oct 2025 12:00
 Operator : RC/JU
 Sample : PB170202TB
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB170202TB

Quant Time: Oct 29 12:23:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 17:30:25 2025
 Response via : Initial Calibration

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

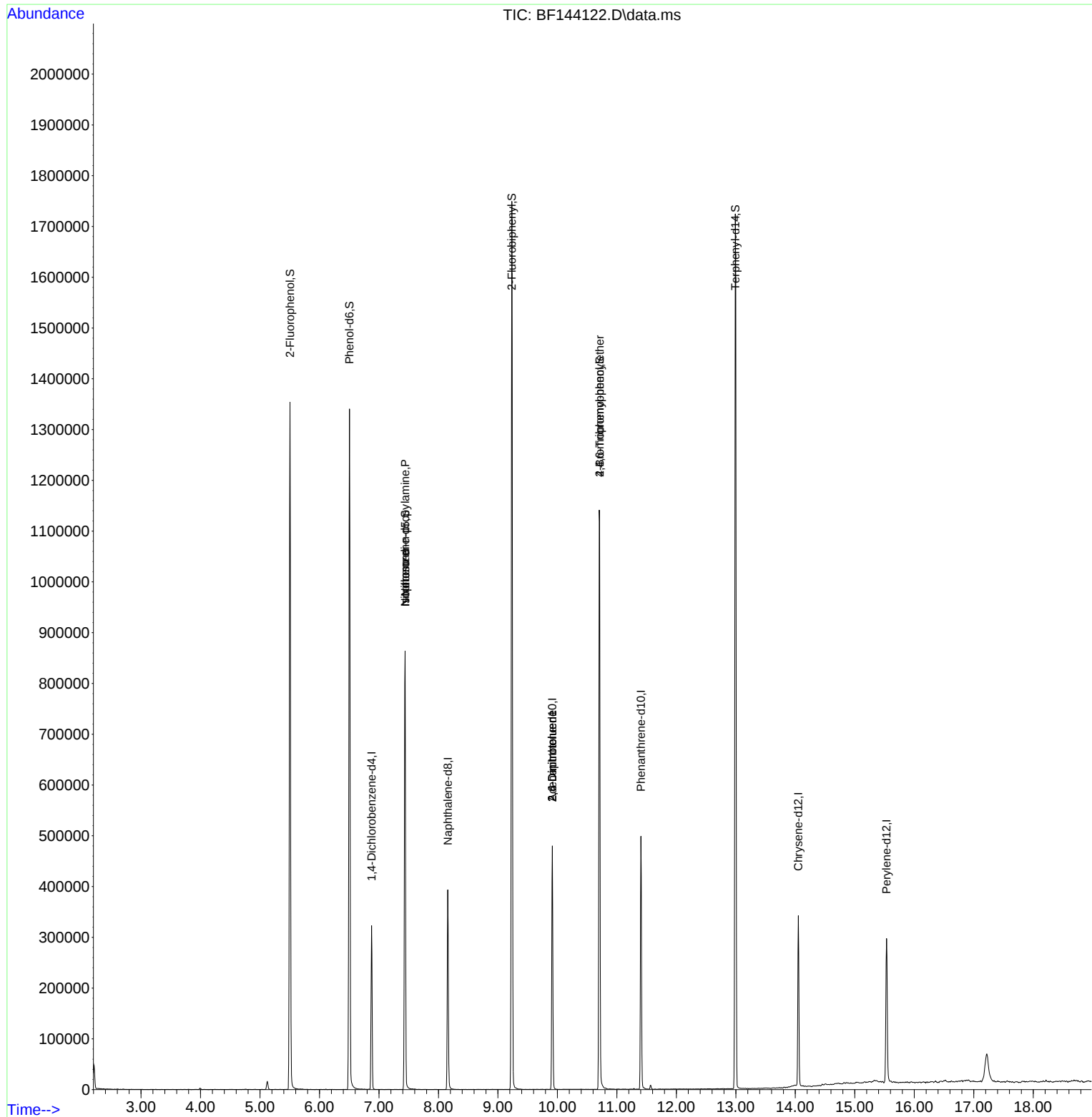
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	66599	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	255607	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	149358	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	281643	20.000	ng	0.00
76) Chrysene-d12	14.051	240	174570	20.000	ng	0.00
86) Perylene-d12	15.533	264	197292	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	500111	118.805	ng	0.01
7) Phenol-d6	6.504	99	573666	123.397	ng	0.00
23) Nitrobenzene-d5	7.439	82	383501	82.200	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	243937	128.217	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	833494	78.530	ng	0.00
79) Terphenyl-d14	12.992	244	948621	94.999	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.439	70	58669	19.515	ng	# 71
25) Isophorone	7.439	82	383498	47.016	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	19254	9.948	ng	# 22
57) 2,4-Dinitrotoluene	9.916	165	19254	7.371	ng	# 25
67) 4-Bromophenyl-phenylether	10.710	248	14861	4.214	ng	# 1

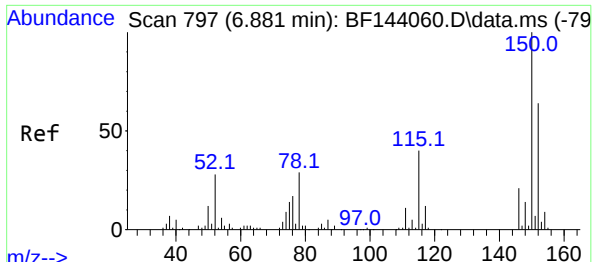
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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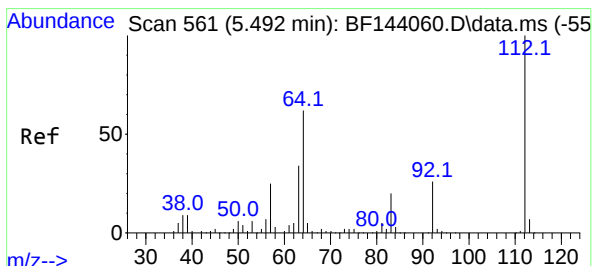
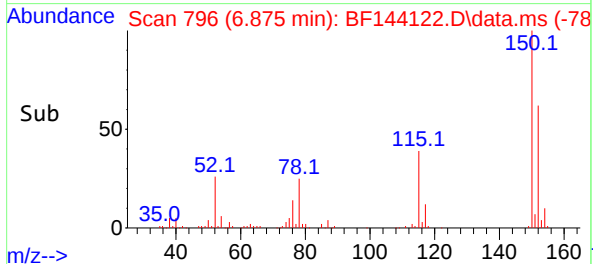
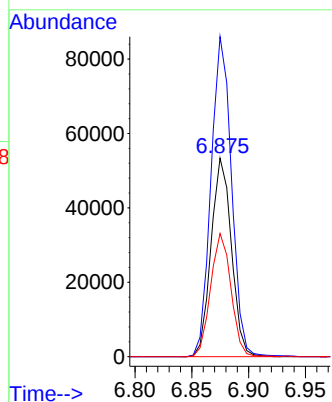
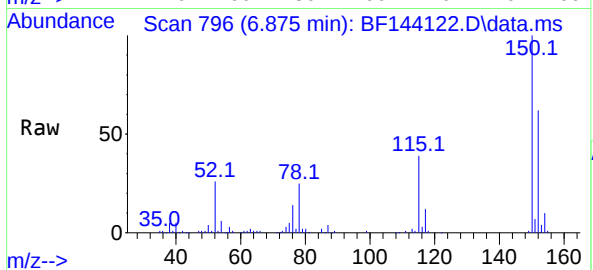




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF144122.D
Acq: 29 Oct 2025 12:00

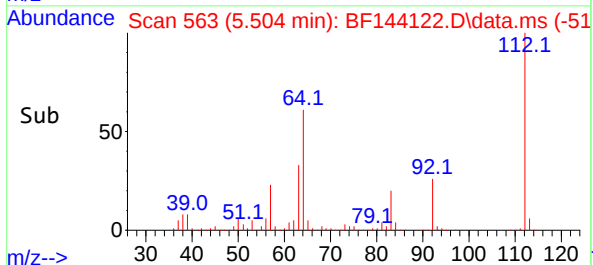
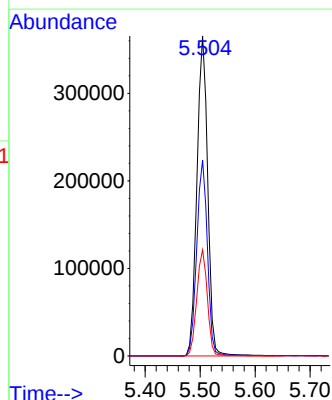
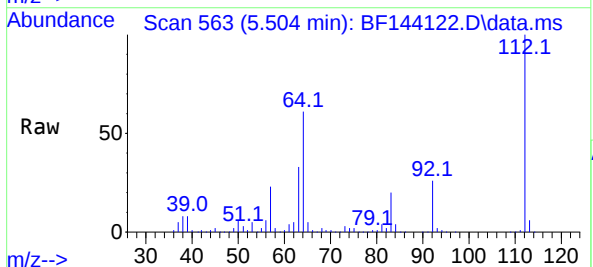
Instrument :
BNA_F
ClientSampleId :
PB170202TB

Tgt Ion:152 Resp: 66599
Ion Ratio Lower Upper
152 100
150 161.2 124.4 186.6
115 62.1 49.4 74.0



#5
2-Fluorophenol
Concen: 118.805 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF144122.D
Acq: 29 Oct 2025 12:00

Tgt Ion:112 Resp: 500111
Ion Ratio Lower Upper
112 100
64 61.2 49.8 74.8
63 33.2 27.4 41.2

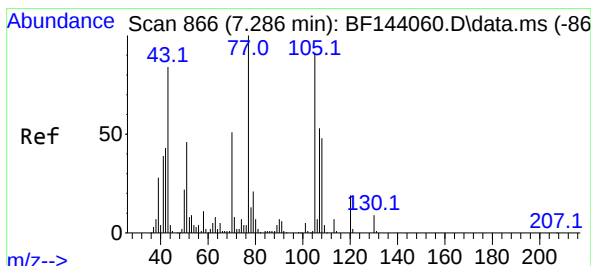
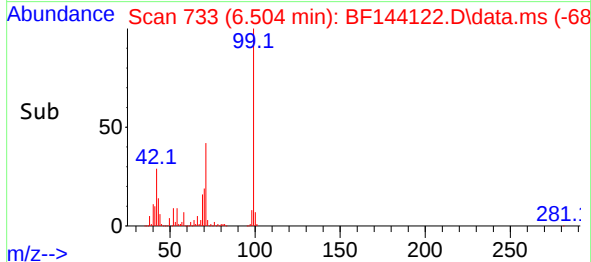
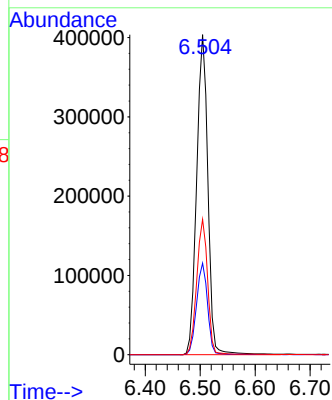
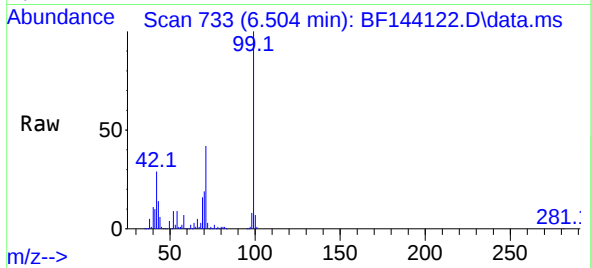




#7
Phenol-d6
Concen: 123.397 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF144122.D
Acq: 29 Oct 2025 12:00

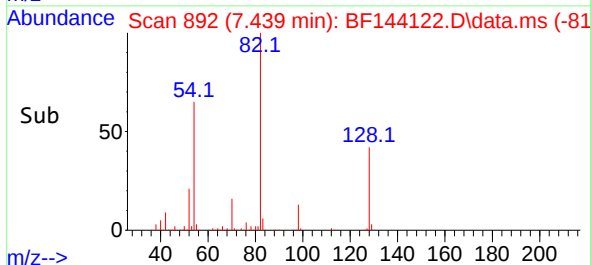
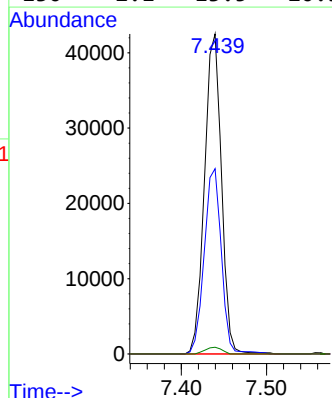
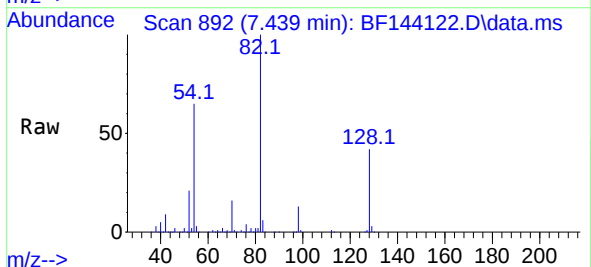
Instrument :
BNA_F
ClientSampleId :
PB170202TB

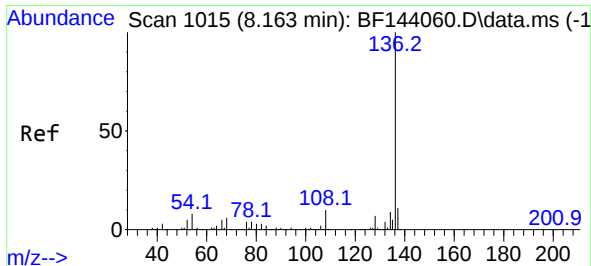
Tgt Ion: 99 Resp: 573666
Ion Ratio Lower Upper
99 100
42 28.6 23.9 35.9
71 42.3 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 19.515 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.153 min
Lab File: BF144122.D
Acq: 29 Oct 2025 12:00

Tgt Ion: 70 Resp: 58669
Ion Ratio Lower Upper
70 100
42 57.9 67.4 101.0#
101 0.0 7.1 10.7#
130 2.1 13.5 20.3#



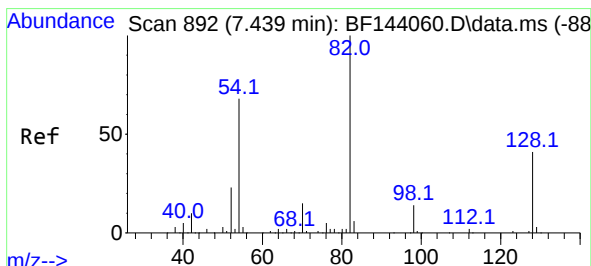
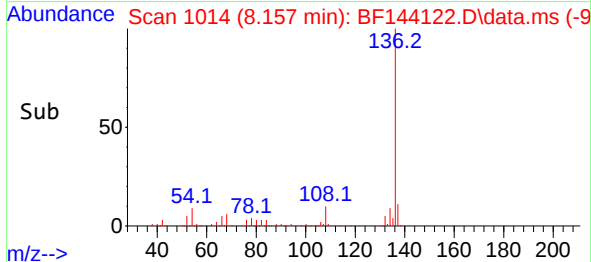
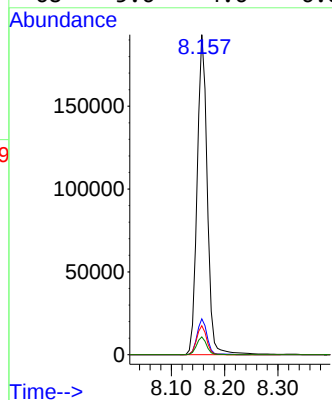
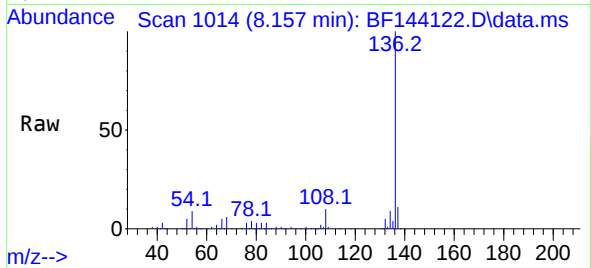


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF144122.D
Acq: 29 Oct 2025 12:00

Instrument :
BNA_F
ClientSampleId :
PB170202TB

Tgt Ion:136 Resp: 255607

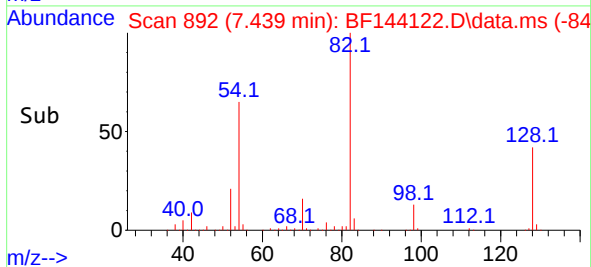
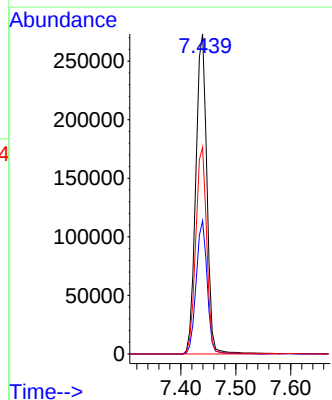
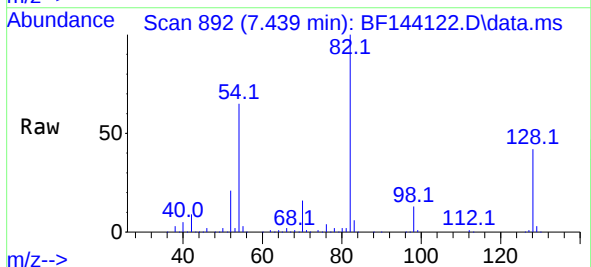
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	9.0	6.6	9.8
68	5.6	4.6	6.8

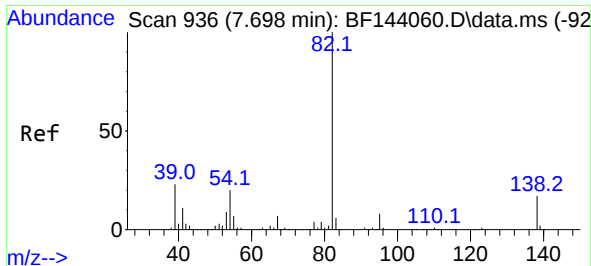


#23
Nitrobenzene-d5
Concen: 82.200 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF144122.D
Acq: 29 Oct 2025 12:00

Tgt Ion: 82 Resp: 383501

Ion	Ratio	Lower	Upper
82	100		
128	41.6	32.4	48.6
54	64.6	54.0	81.0

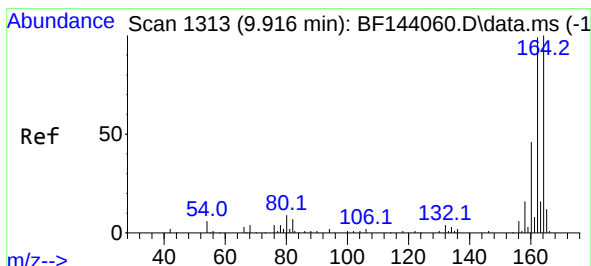
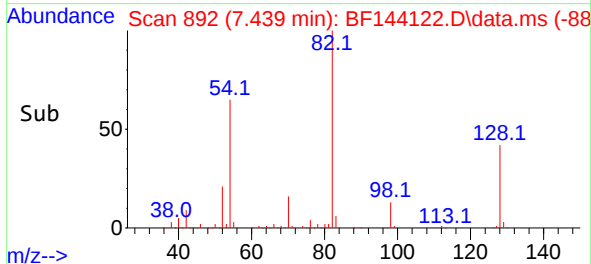
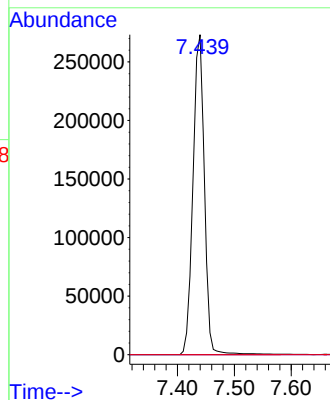
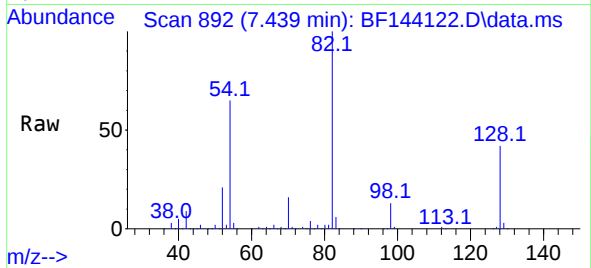




#25
Isophorone
Concen: 47.016 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.259 min
Lab File: BF144122.D
Acq: 29 Oct 2025 12:00

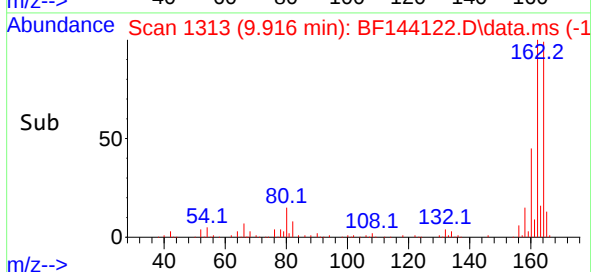
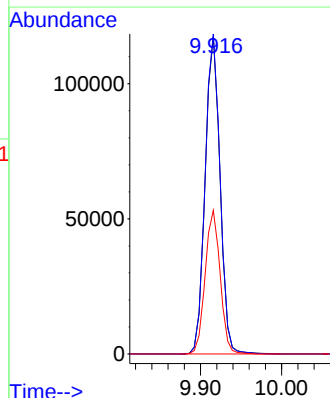
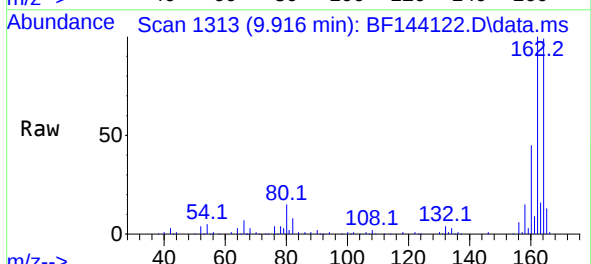
Instrument :
BNA_F
ClientSampleId :
PB170202TB

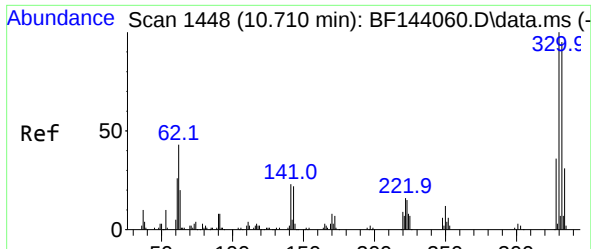
Tgt Ion: 82 Resp: 383498
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144122.D
Acq: 29 Oct 2025 12:00

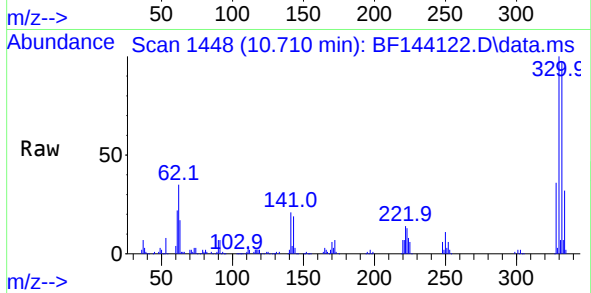
Tgt Ion:164 Resp: 149358
Ion Ratio Lower Upper
164 100
162 100.8 79.4 119.2
160 45.2 36.7 55.1



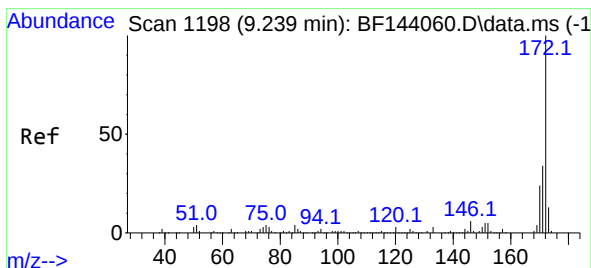
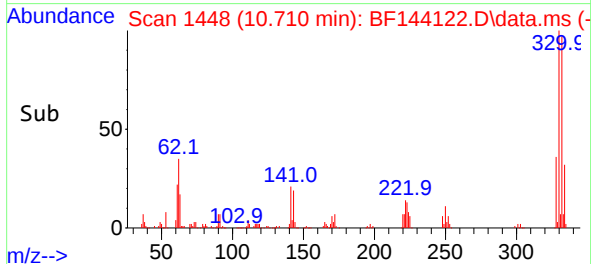
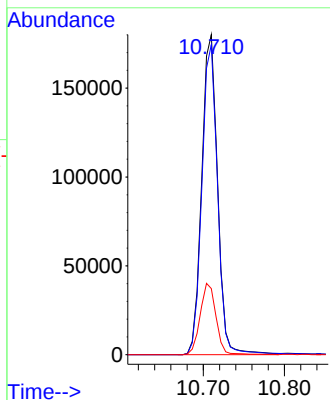


#42
2,4,6-Tribromophenol
Concen: 128.217 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144122.D
Acq: 29 Oct 2025 12:00

Instrument :
BNA_F
ClientSampleId :
PB170202TB

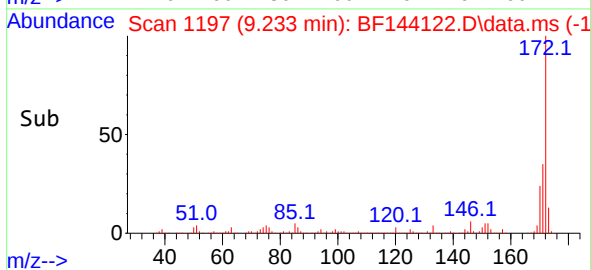
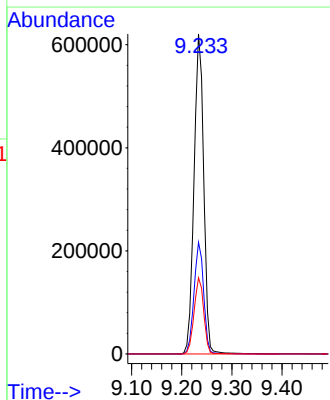
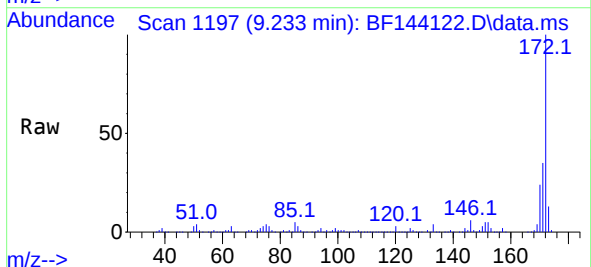


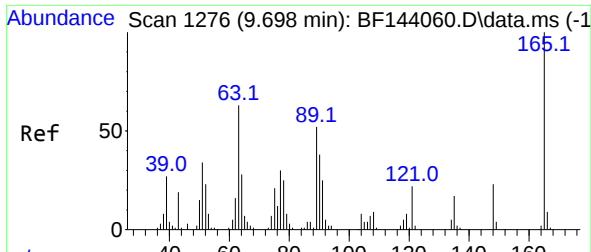
Tgt Ion:330 Resp: 243937
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.6
141 22.3 19.4 29.0



#45
2-Fluorobiphenyl
Concen: 78.530 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF144122.D
Acq: 29 Oct 2025 12:00

Tgt Ion:172 Resp: 833494
Ion Ratio Lower Upper
172 100
171 34.9 27.5 41.3
170 23.8 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 9.948 ng

RT: 9.916 min Scan# 11

Delta R.T. 0.218 min

Lab File: BF144122.D

Acq: 29 Oct 2025 12:00

Instrument :

BNA_F

ClientSampleId :

PB170202TB

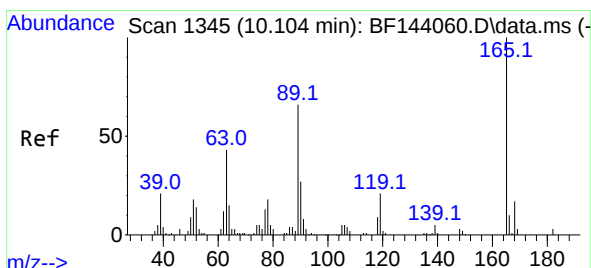
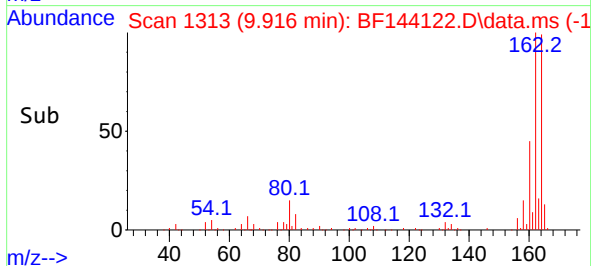
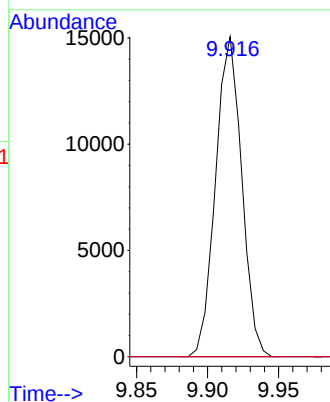
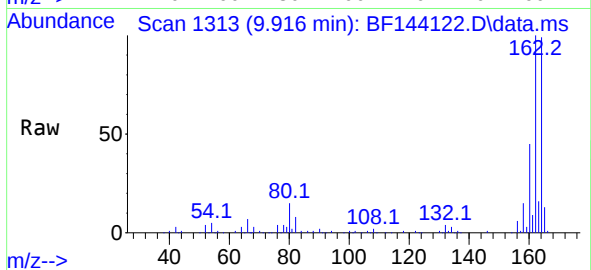
Tgt Ion:165 Resp: 19254

Ion Ratio Lower Upper

165 100

63 0.0 50.4 75.6#

89 0.0 41.4 62.2#



#57

2,4-Dinitrotoluene

Concen: 7.371 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.188 min

Lab File: BF144122.D

Acq: 29 Oct 2025 12:00

Tgt Ion:165 Resp: 19254

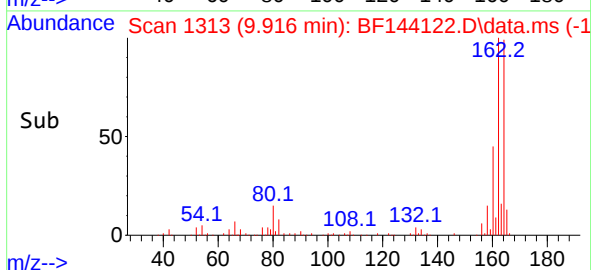
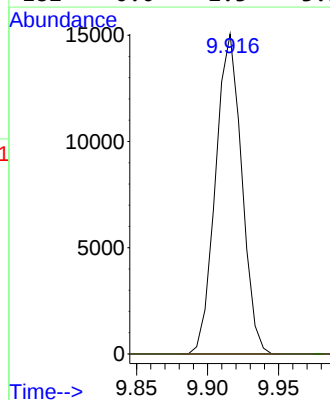
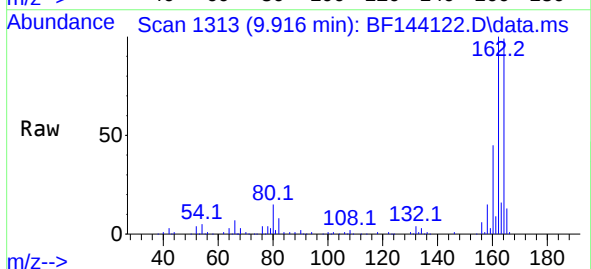
Ion Ratio Lower Upper

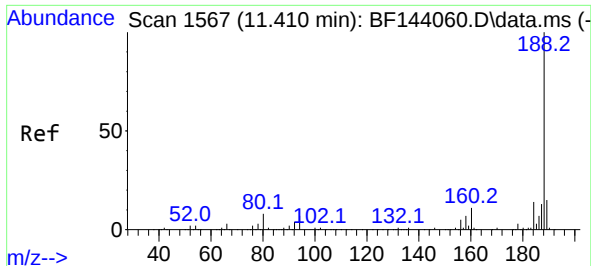
165 100

63 0.0 35.4 53.2#

89 0.0 52.7 79.1#

182 0.0 2.3 3.5#

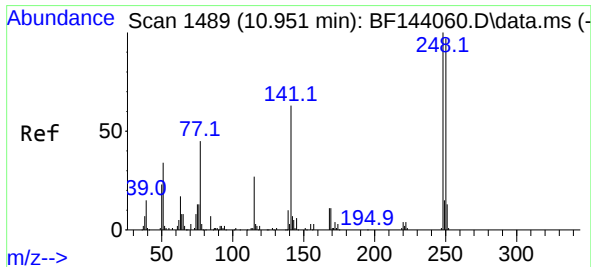
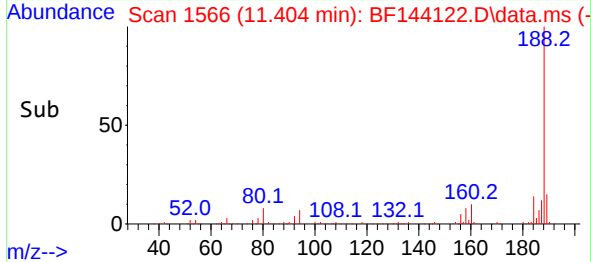
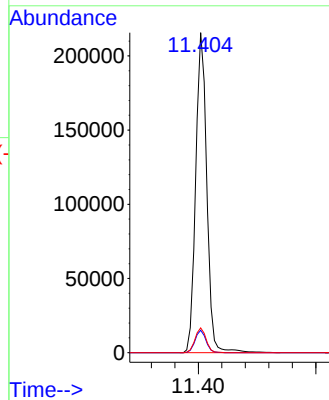
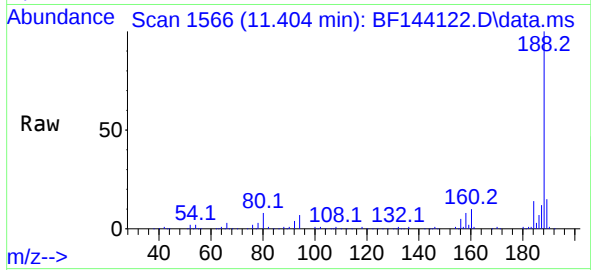




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144122.D
Acq: 29 Oct 2025 12:00

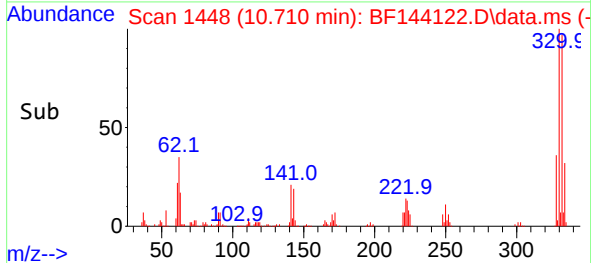
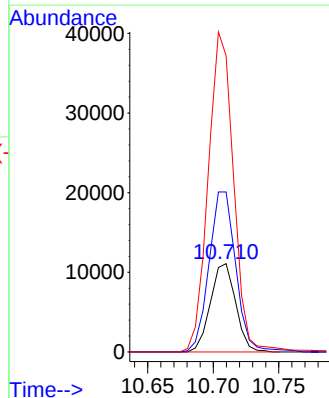
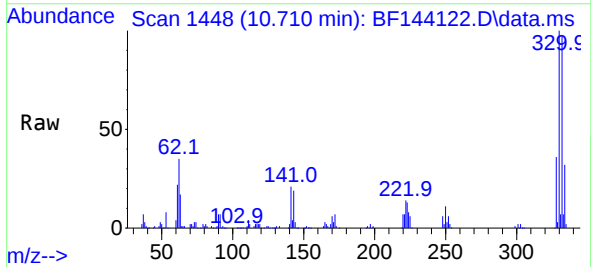
Instrument :
BNA_F
ClientSampleId :
PB170202TB

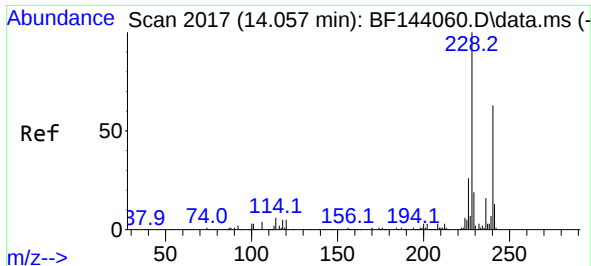
Tgt Ion:188 Resp: 281643
Ion Ratio Lower Upper
188 100
94 7.0 5.4 8.0
80 7.7 6.0 9.0



#67
4-Bromophenyl-phenylether
Concen: 4.214 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.241 min
Lab File: BF144122.D
Acq: 29 Oct 2025 12:00

Tgt Ion:248 Resp: 14861
Ion Ratio Lower Upper
248 100
250 181.2 77.8 116.6#
141 335.4 50.5 75.7#

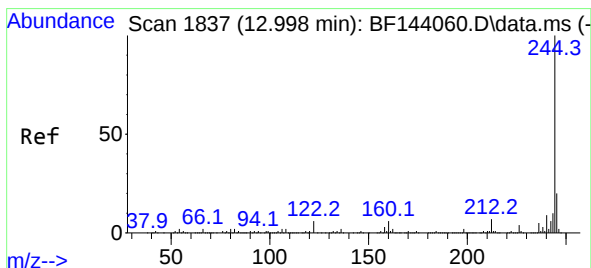
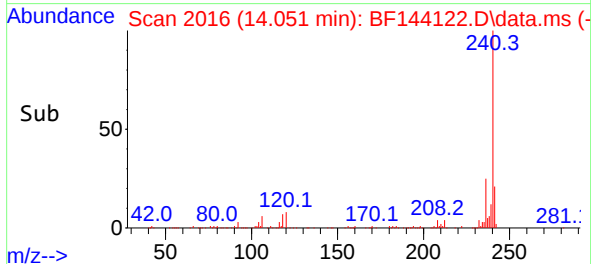
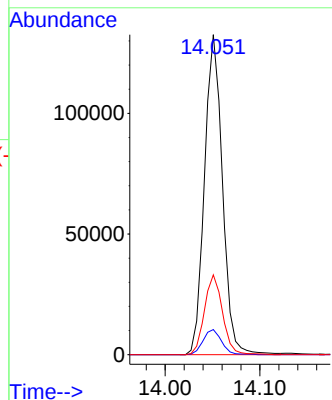
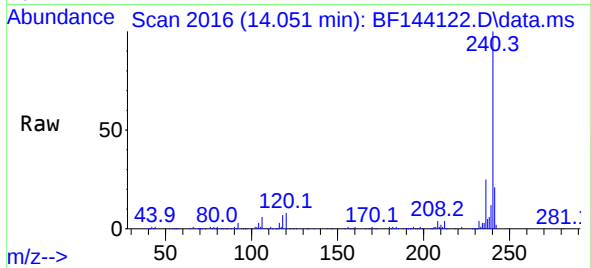




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144122.D
Acq: 29 Oct 2025 12:00

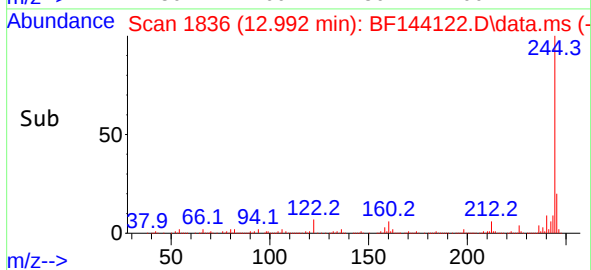
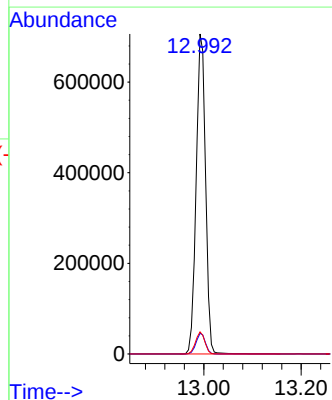
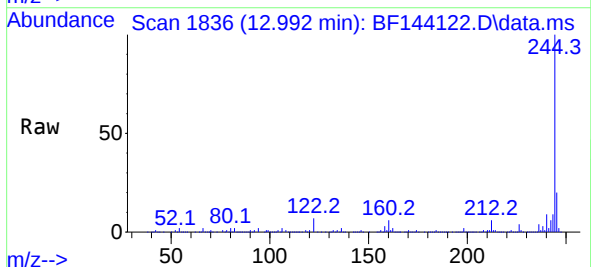
Instrument :
BNA_F
ClientSampleId :
PB170202TB

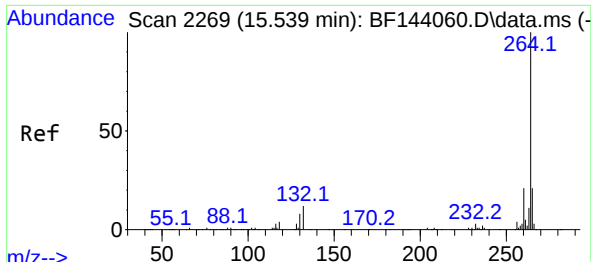
Tgt Ion:240 Resp: 174570
Ion Ratio Lower Upper
240 100
120 7.9 6.5 9.7
236 24.9 20.1 30.1



#79
Terphenyl-d14
Concen: 94.999 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF144122.D
Acq: 29 Oct 2025 12:00

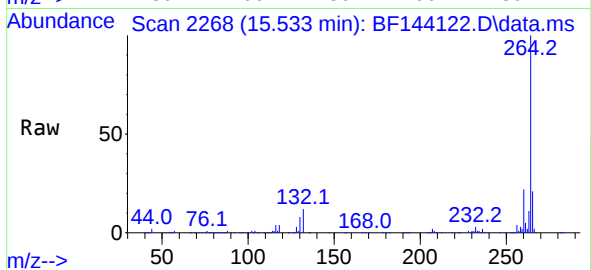
Tgt Ion:244 Resp: 948621
Ion Ratio Lower Upper
244 100
212 6.5 5.8 8.6
122 6.9 4.9 7.3





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.533 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF144122.D
 Acq: 29 Oct 2025 12:00

Instrument :
 BNA_F
 ClientSampleId :
 PB170202TB



Tgt Ion:264 Resp: 197292

Ion	Ratio	Lower	Upper
264	100		
260	21.9	17.0	25.4
265	20.8	16.6	24.8

