

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103025\
 Data File : BF144146.D
 Acq On : 30 Oct 2025 17:35
 Operator : RC/JU
 Sample : PB170325BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB170325BL

Quant Time: Oct 30 18:08:54 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)

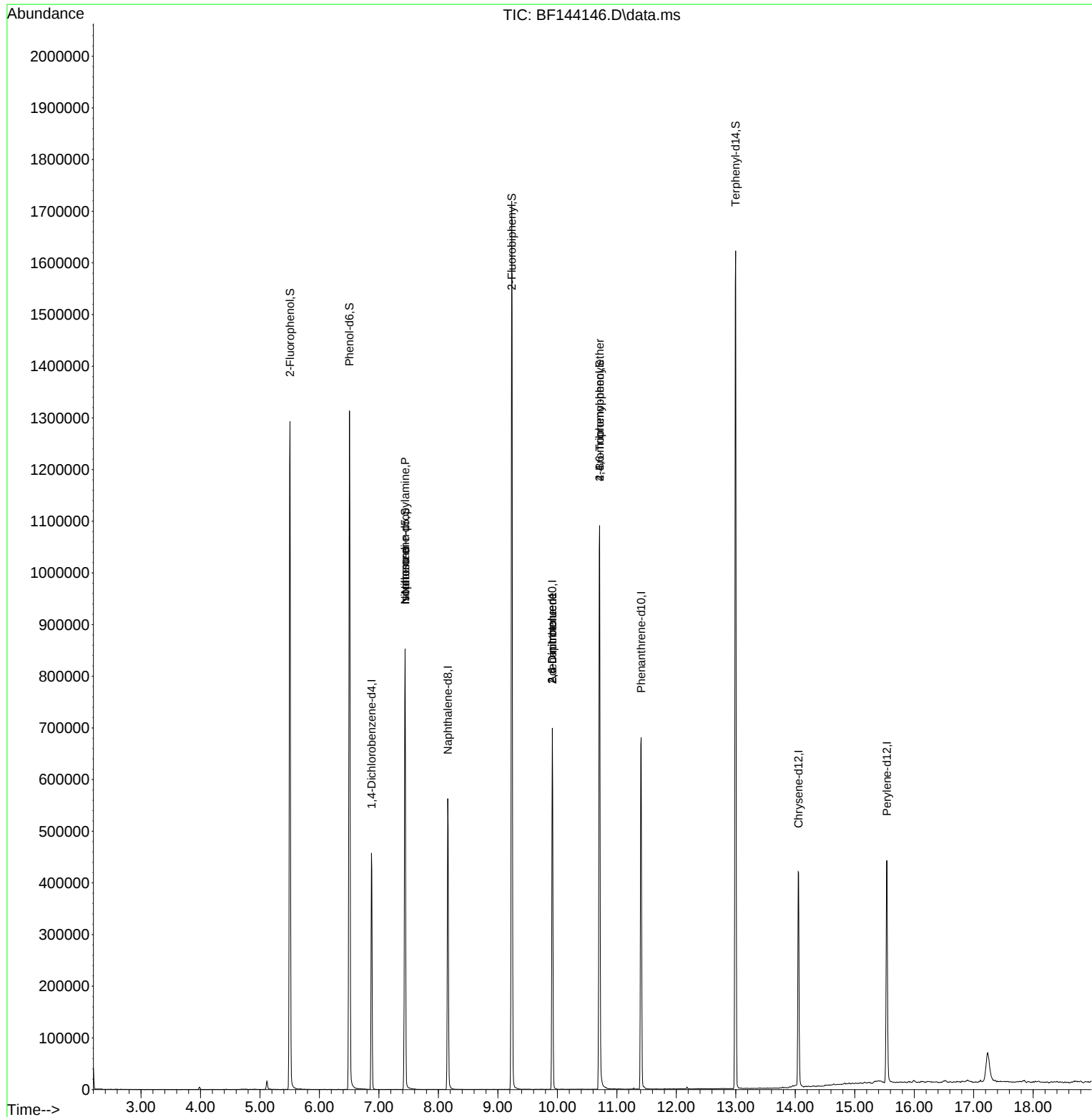
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	96785	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	374707	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	224260	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	402590	20.000	ng	0.00
76) Chrysene-d12	14.057	240	234228	20.000	ng	0.00
86) Perylene-d12	15.539	264	297221	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	493440	80.661	ng	0.01
7) Phenol-d6	6.504	99	571840	84.641	ng	0.00
23) Nitrobenzene-d5	7.439	82	371328	54.293	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	239569	83.864	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	820241	51.470	ng	0.00
79) Terphenyl-d14	12.998	244	914979	68.292	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	53162	12.168	ng	# 72
25) Isophorone	7.439	82	371326	31.054	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	26823	9.230	ng	# 23
57) 2,4-Dinitrotoluene	9.916	165	26823	6.839	ng	# 25
67) 4-Bromophenyl-phenylether	10.710	248	13181	2.615	ng	# 1

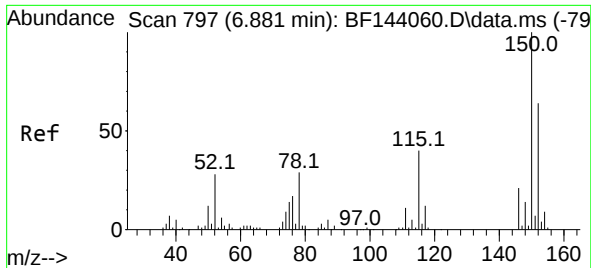
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

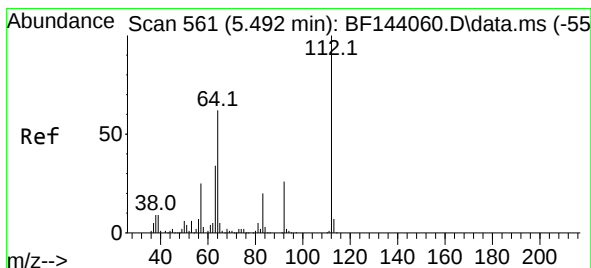
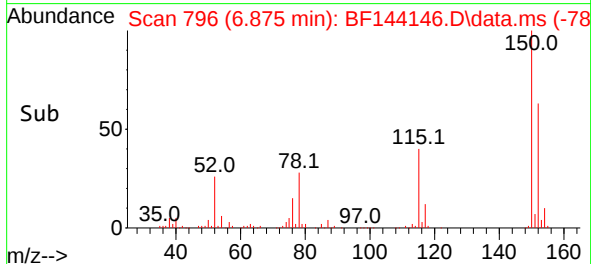
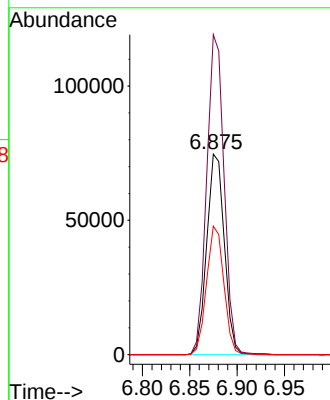
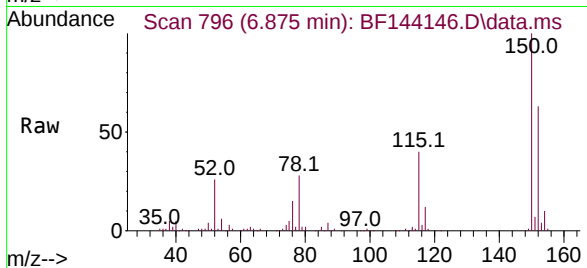




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF144146.D
 Acq: 30 Oct 2025 17:35

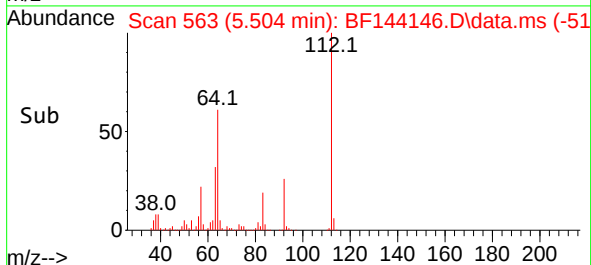
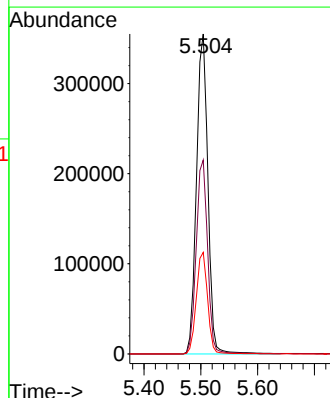
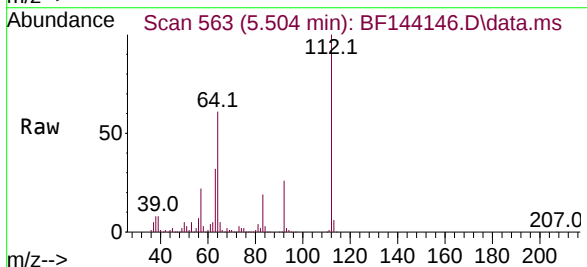
Instrument :
 BNA_F
 ClientSampleId :
 PB170325BL

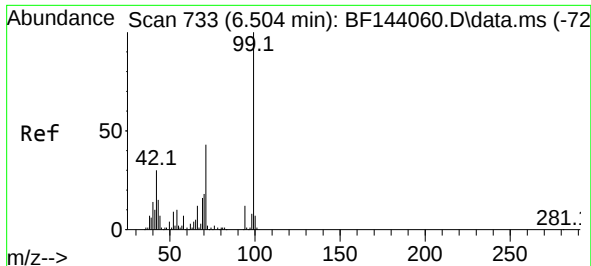
Tgt Ion:152 Resp: 96785
 Ion Ratio Lower Upper
 152 100
 150 159.5 124.4 186.6
 115 64.1 49.4 74.0



#5
 2-Fluorophenol
 Concen: 80.661 ng
 RT: 5.504 min Scan# 563
 Delta R.T. 0.012 min
 Lab File: BF144146.D
 Acq: 30 Oct 2025 17:35

Tgt Ion:112 Resp: 493440
 Ion Ratio Lower Upper
 112 100
 64 60.6 49.8 74.8
 63 31.7 27.4 41.2

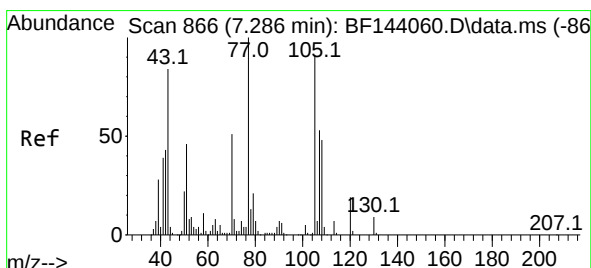
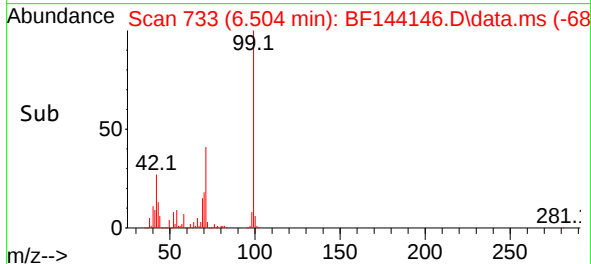
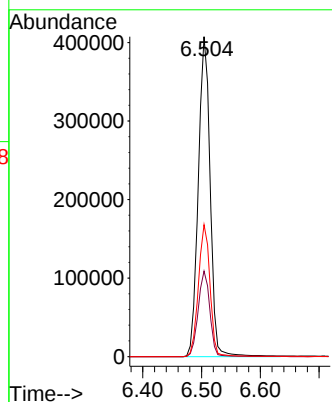
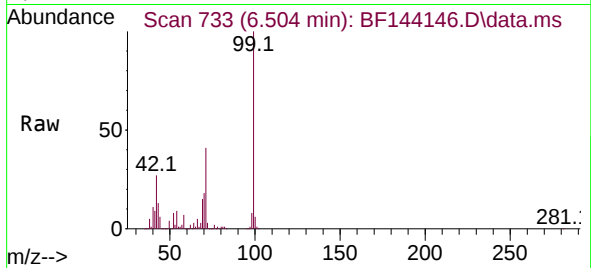




#7
Phenol-d6
Concen: 84.641 ng
RT: 6.504 min Scan# 733
Delta R.T. 0.000 min
Lab File: BF144146.D
Acq: 30 Oct 2025 17:35

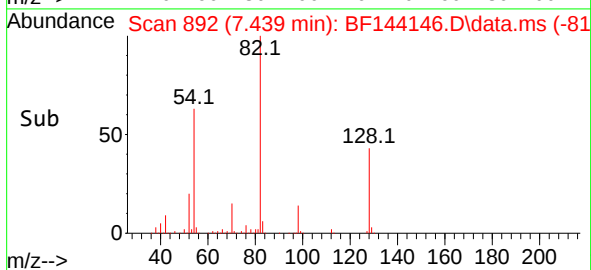
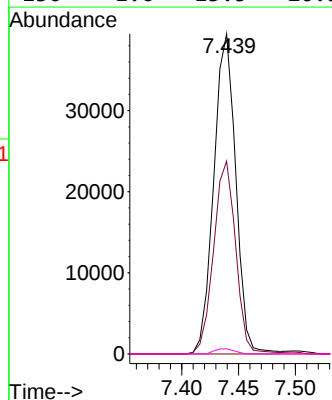
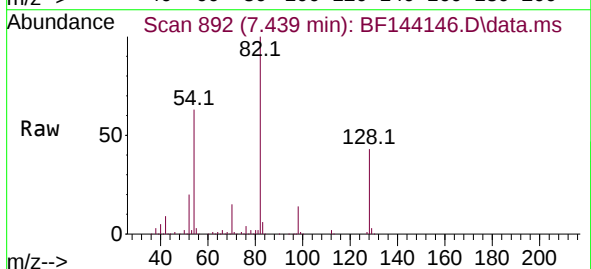
Instrument :
BNA_F
ClientSampleId :
PB170325BL

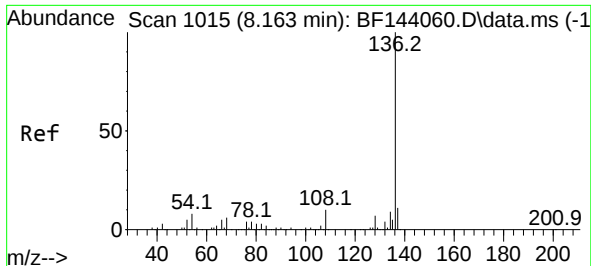
Tgt Ion: 99 Resp: 571840
Ion Ratio Lower Upper
99 100
42 26.7 23.9 35.9
71 41.2 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 12.168 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.153 min
Lab File: BF144146.D
Acq: 30 Oct 2025 17:35

Tgt Ion: 70 Resp: 53162
Ion Ratio Lower Upper
70 100
42 60.2 67.4 101.0#
101 0.0 7.1 10.7#
130 1.6 13.5 20.3#



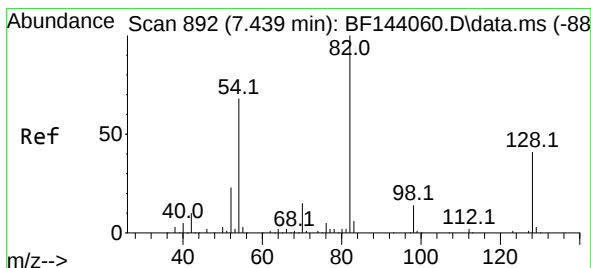
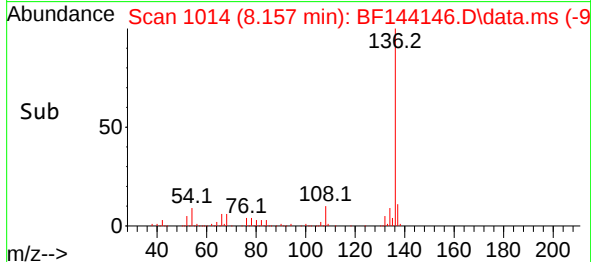
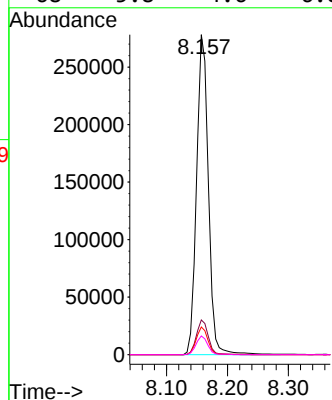
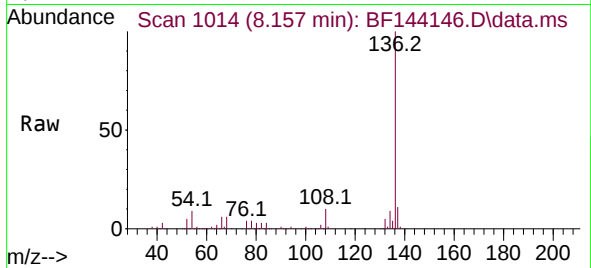


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF144146.D
Acq: 30 Oct 2025 17:35

Instrument :
BNA_F
ClientSampleId :
PB170325BL

Tgt Ion:136 Resp: 374707

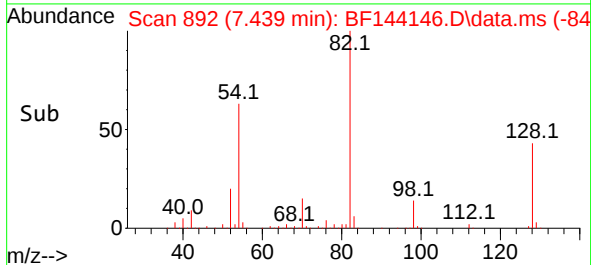
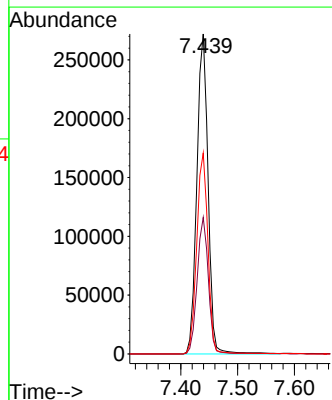
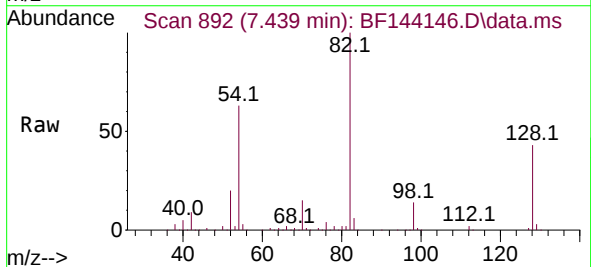
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.6	6.6	9.8
68	5.8	4.6	6.8

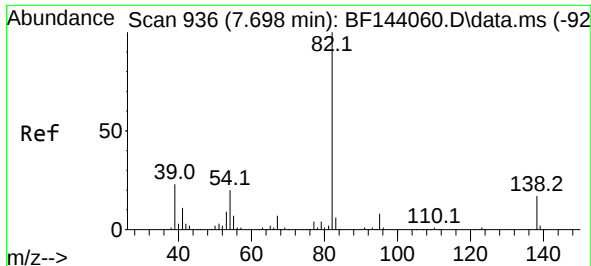


#23
Nitrobenzene-d5
Concen: 54.293 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF144146.D
Acq: 30 Oct 2025 17:35

Tgt Ion: 82 Resp: 371328

Ion	Ratio	Lower	Upper
82	100		
128	42.6	32.4	48.6
54	62.8	54.0	81.0

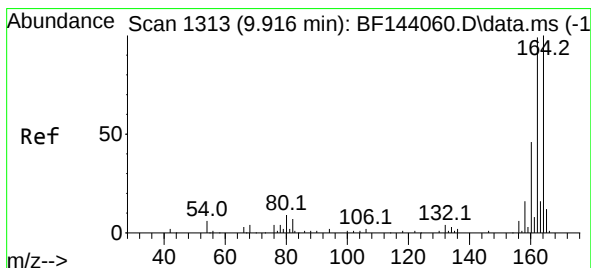
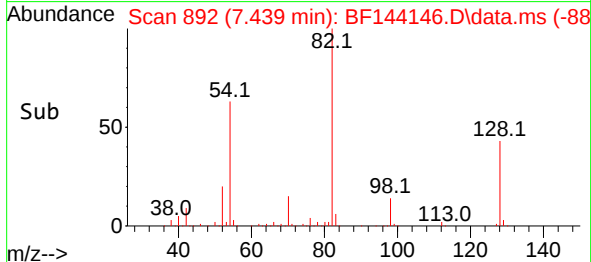
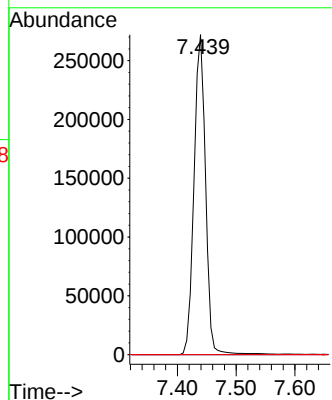
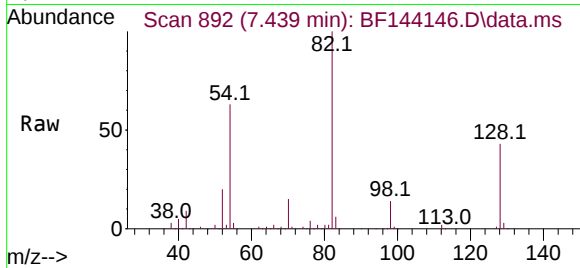




#25
Isophorone
Concen: 31.054 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.259 min
Lab File: BF144146.D
Acq: 30 Oct 2025 17:35

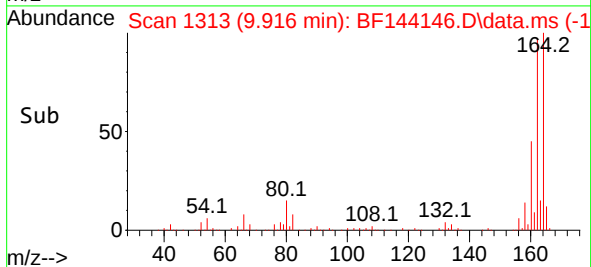
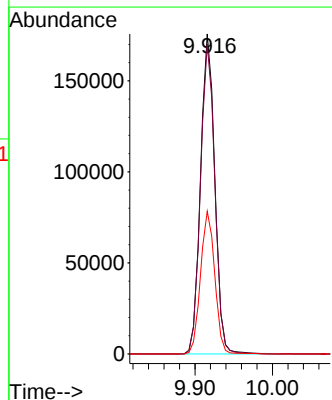
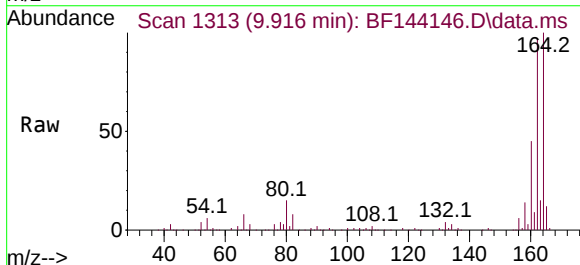
Instrument :
BNA_F
ClientSampleId :
PB170325BL

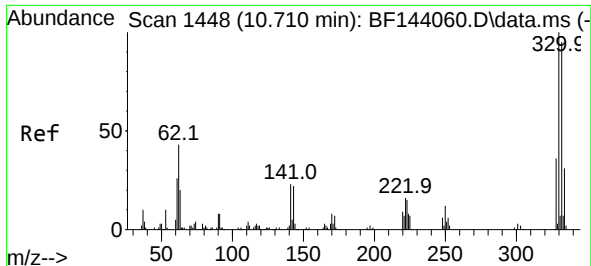
Tgt Ion: 82 Resp: 371326
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.000 min
Lab File: BF144146.D
Acq: 30 Oct 2025 17:35

Tgt Ion:164 Resp: 224260
Ion Ratio Lower Upper
164 100
162 96.7 79.4 119.2
160 44.6 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 83.864 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.000 min

Lab File: BF144146.D

Acq: 30 Oct 2025 17:35

Instrument :

BNA_F

ClientSampleId :

PB170325BL

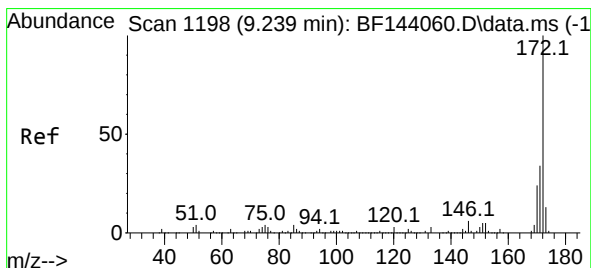
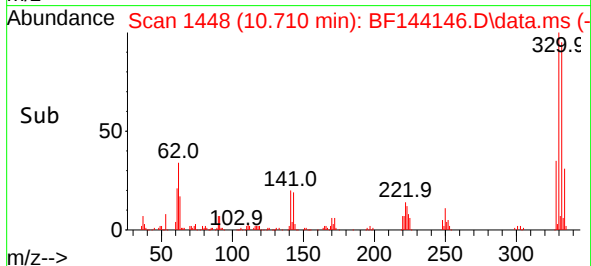
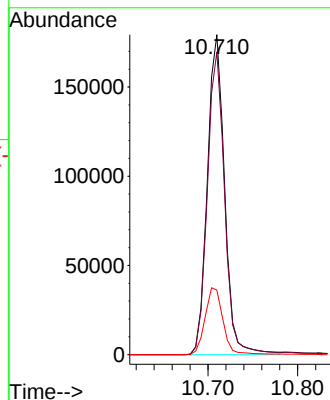
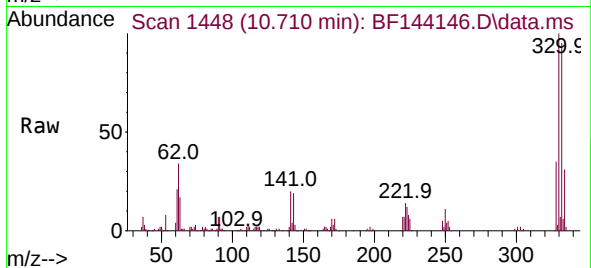
Tgt Ion:330 Resp: 239569

Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.6

141 21.9 19.4 29.0



#45

2-Fluorobiphenyl

Concen: 51.470 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.006 min

Lab File: BF144146.D

Acq: 30 Oct 2025 17:35

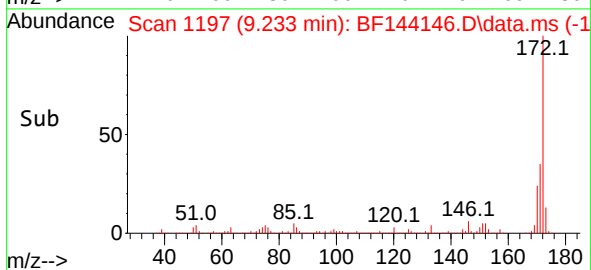
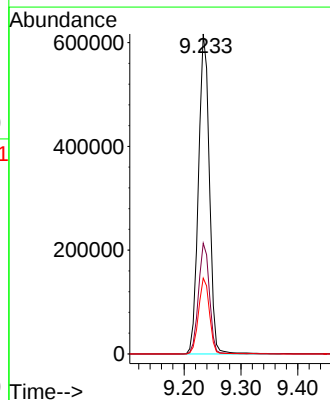
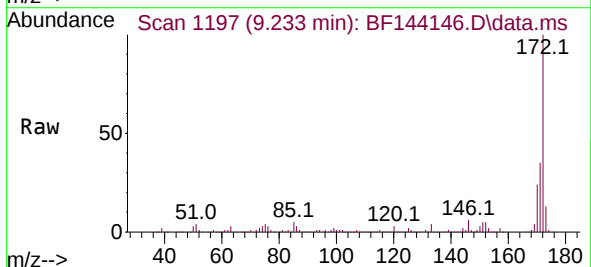
Tgt Ion:172 Resp: 820241

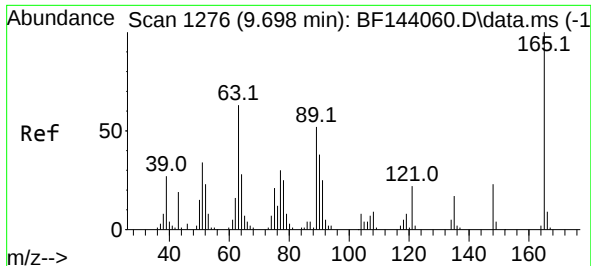
Ion Ratio Lower Upper

172 100

171 34.6 27.5 41.3

170 23.7 19.0 28.6

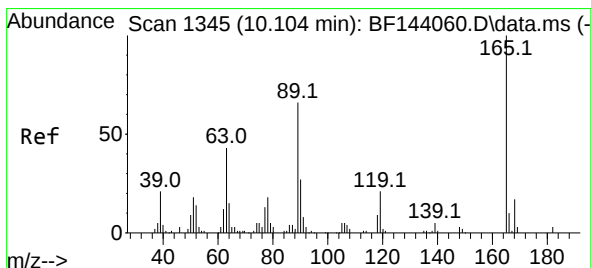
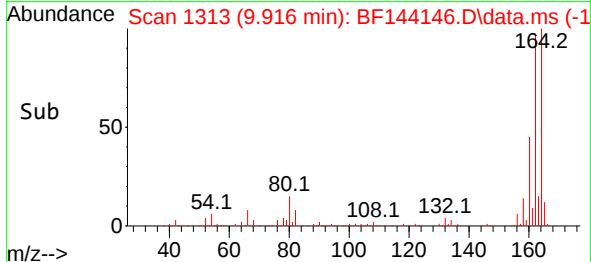
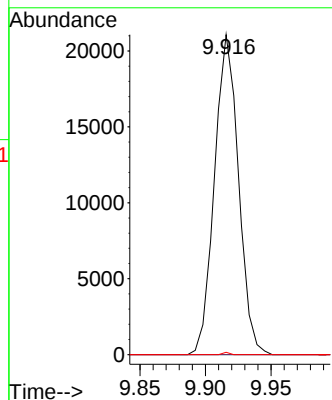
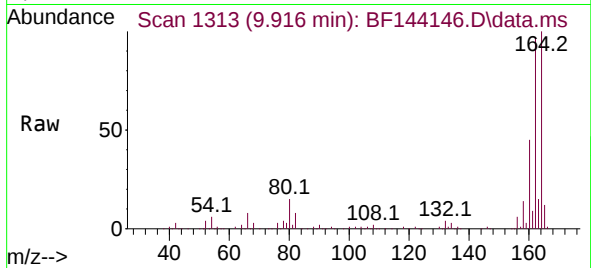




#51
2,6-Dinitrotoluene
Concen: 9.230 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.218 min
Lab File: BF144146.D
Acq: 30 Oct 2025 17:35

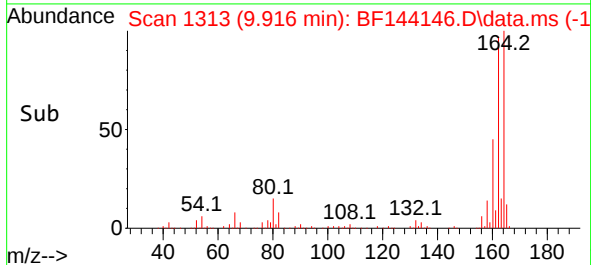
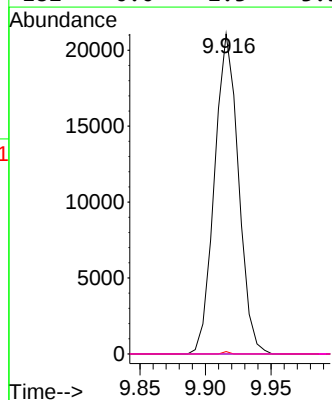
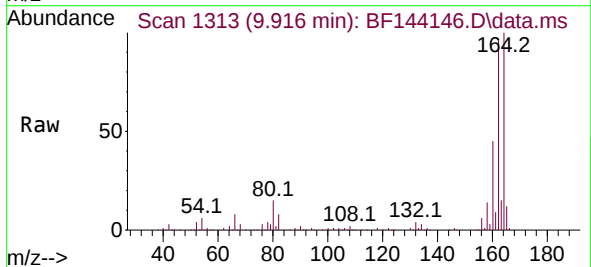
Instrument :
BNA_F
ClientSampleId :
PB170325BL

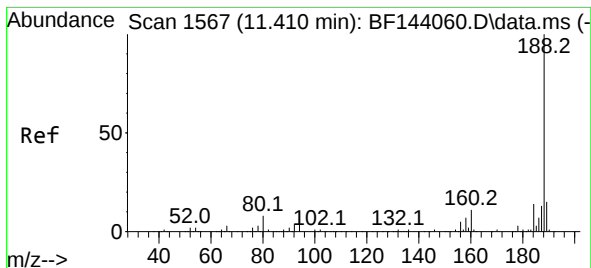
Tgt Ion:165 Resp: 26823
Ion Ratio Lower Upper
165 100
63 0.0 50.4 75.6#
89 0.7 41.4 62.2#



#57
2,4-Dinitrotoluene
Concen: 6.839 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.188 min
Lab File: BF144146.D
Acq: 30 Oct 2025 17:35

Tgt Ion:165 Resp: 26823
Ion Ratio Lower Upper
165 100
63 0.0 35.4 53.2#
89 0.7 52.7 79.1#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF144146.D

Acq: 30 Oct 2025 17:35

Instrument :

BNA_F

ClientSampleId :

PB170325BL

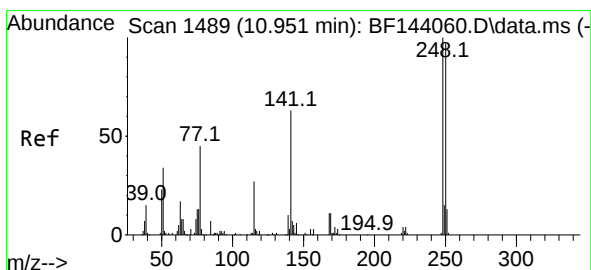
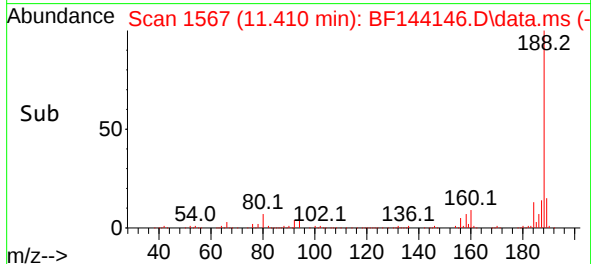
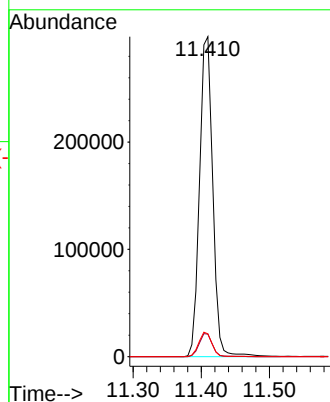
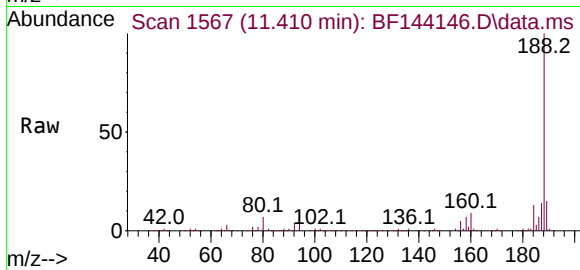
Tgt Ion:188 Resp: 402590

Ion Ratio Lower Upper

188 100

94 7.0 5.4 8.0

80 7.1 6.0 9.0



#67

4-Bromophenyl-phenylether

Concen: 2.615 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.241 min

Lab File: BF144146.D

Acq: 30 Oct 2025 17:35

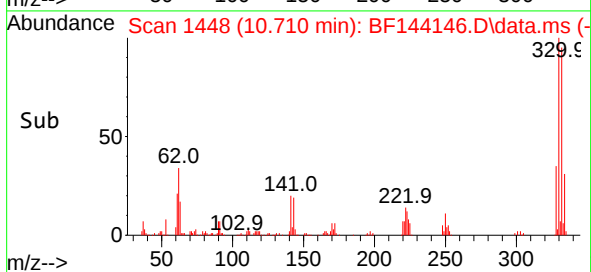
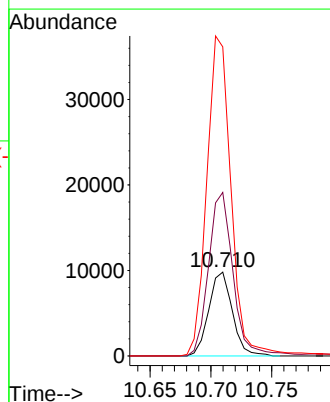
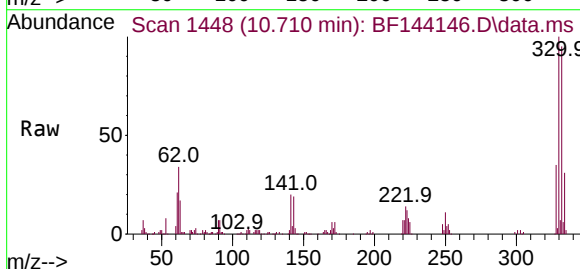
Tgt Ion:248 Resp: 13181

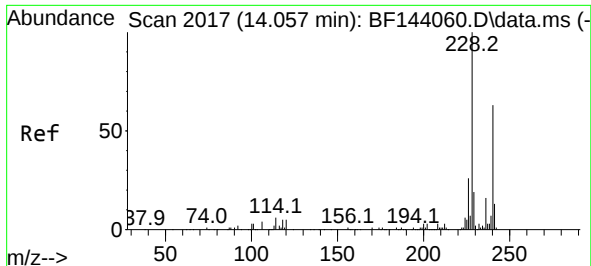
Ion Ratio Lower Upper

248 100

250 195.1 77.8 116.6#

141 368.6 50.5 75.7#

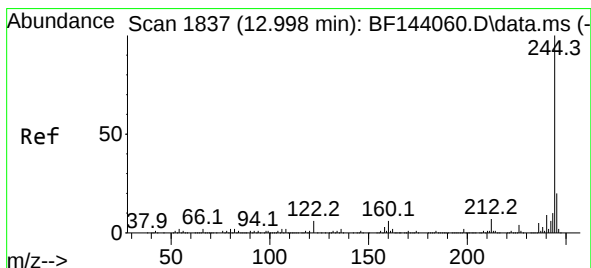
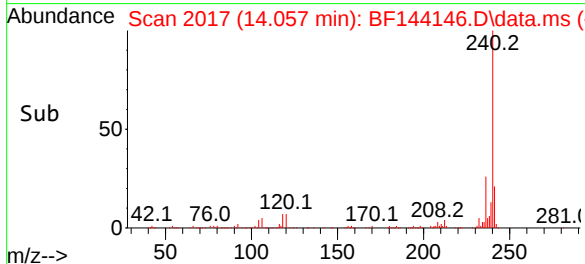
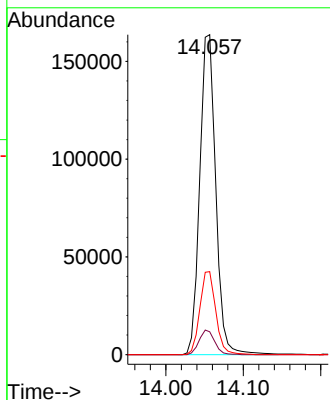
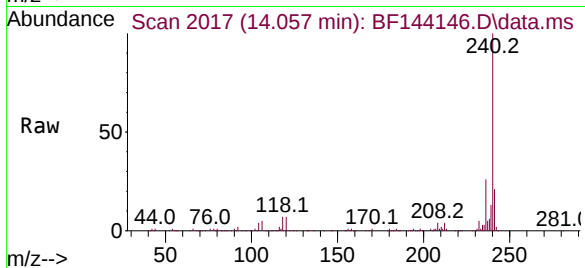




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144146.D
Acq: 30 Oct 2025 17:35

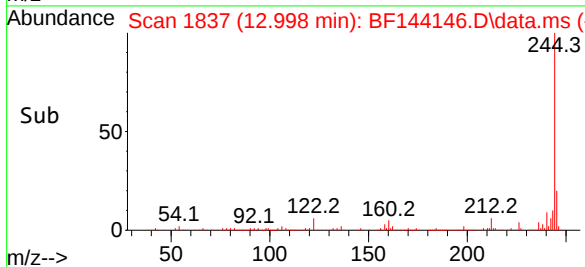
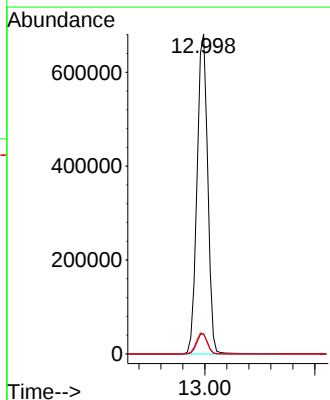
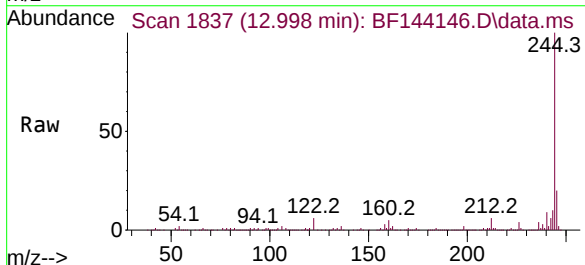
Instrument :
BNA_F
ClientSampleId :
PB170325BL

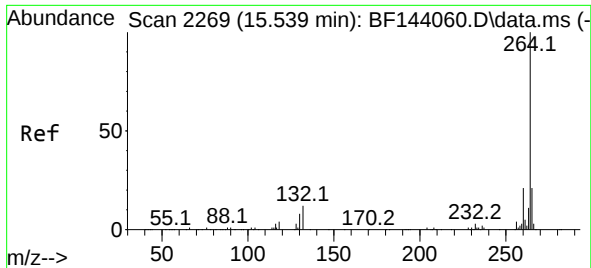
Tgt Ion:240 Resp: 234228
Ion Ratio Lower Upper
240 100
120 7.1 6.5 9.7
236 25.9 20.1 30.1



#79
Terphenyl-d14
Concen: 68.292 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.000 min
Lab File: BF144146.D
Acq: 30 Oct 2025 17:35

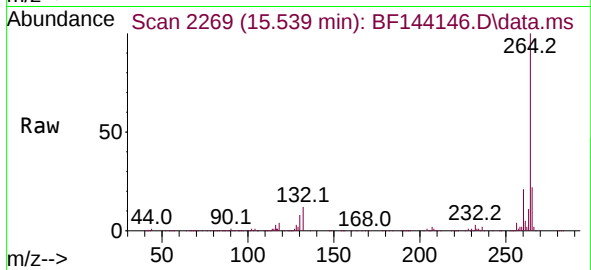
Tgt Ion:244 Resp: 914979
Ion Ratio Lower Upper
244 100
212 6.2 5.8 8.6
122 6.2 4.9 7.3





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BF144146.D
 Acq: 30 Oct 2025 17:35

Instrument :
 BNA_F
 ClientSampleId :
 PB170325BL



Tgt Ion:264 Resp: 297221
 Ion Ratio Lower Upper
 264 100
 260 21.4 17.0 25.4
 265 21.8 16.6 24.8

