

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111225\
 Data File : BF144231.D
 Acq On : 12 Nov 2025 16:21
 Operator : RC/JU
 Sample : PB170473BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB170473BL

Quant Time: Nov 12 16:53:19 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)

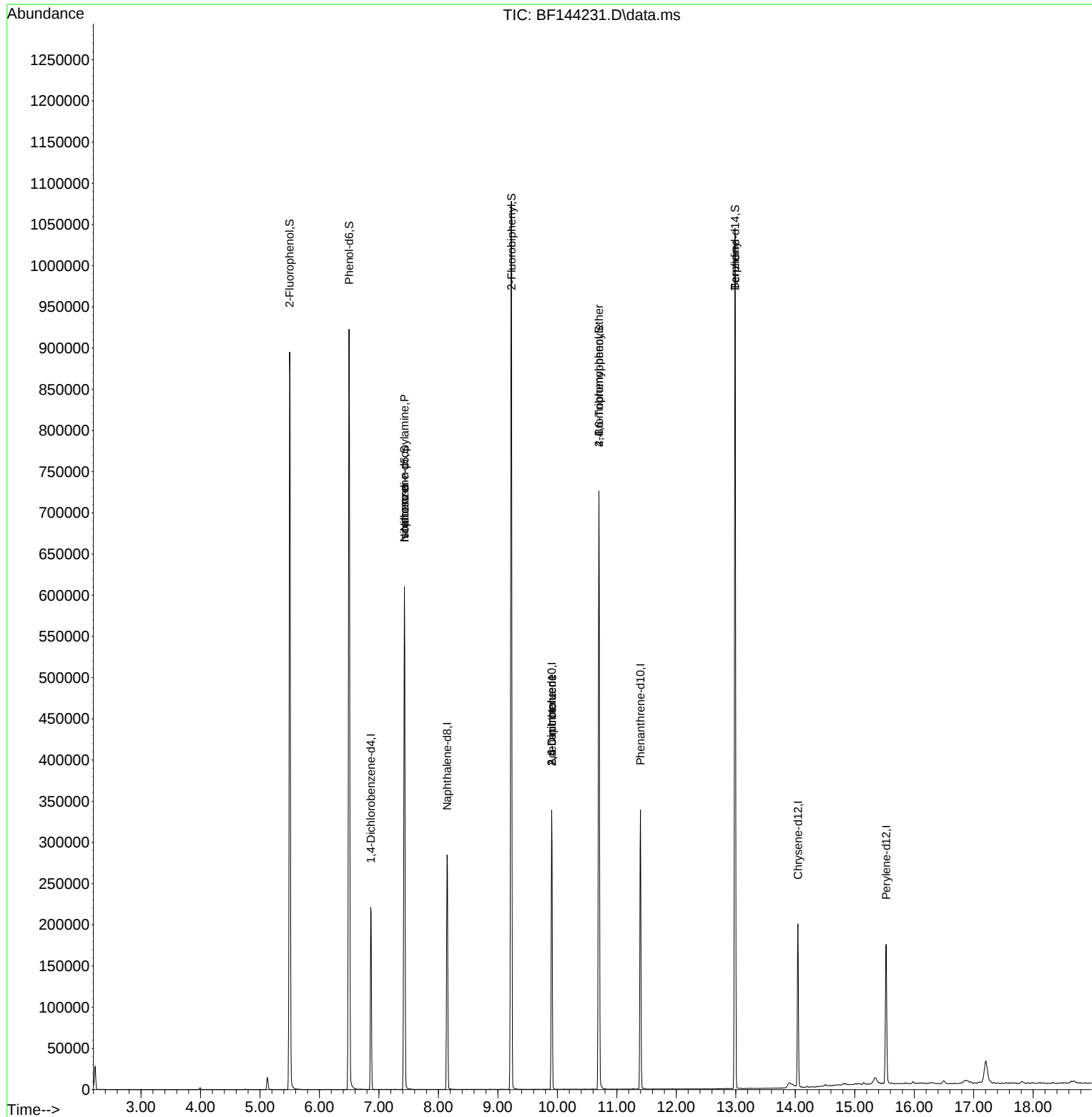
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	48845	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	190075	20.000	ng	#-0.01
39) Acenaphthene-d10	9.904	164	105776	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	183377	20.000	ng	0.00
76) Chrysene-d12	14.045	240	99663	20.000	ng	# 0.00
86) Perylene-d12	15.527	264	110269	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	358569	114.877	ng	0.00
7) Phenol-d6	6.498	99	421024	119.043	ng	0.00
23) Nitrobenzene-d5	7.428	82	271481	82.491	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	151238	113.938	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	555319	77.538	ng	0.00
79) Terphenyl-d14	12.986	244	567613	90.465	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	40109	17.227	ng	# 79
25) Isophorone	7.428	82	271477	43.610	ng	# 66
51) 2,6-Dinitrotoluene	9.904	165	13154	9.273	ng	# 27
57) 2,4-Dinitrotoluene	9.904	165	13154	6.927	ng	# 27
67) 4-Bromophenyl-phenylether	10.698	248	8417	3.596	ng	# 1
77) Benzidine	12.986	184	6213	2.108	ng	# 92

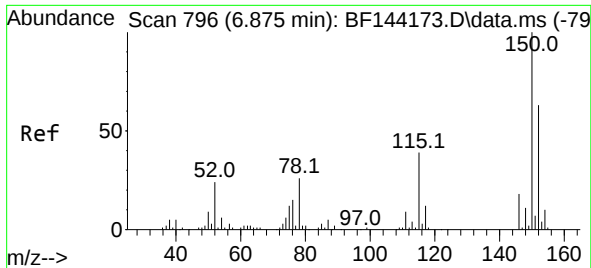
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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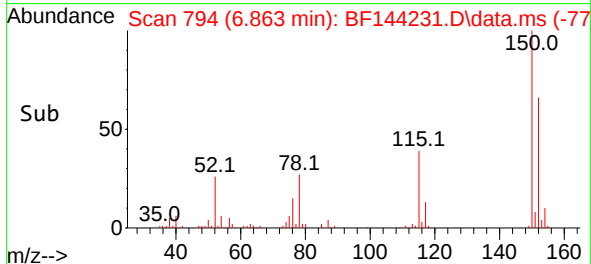
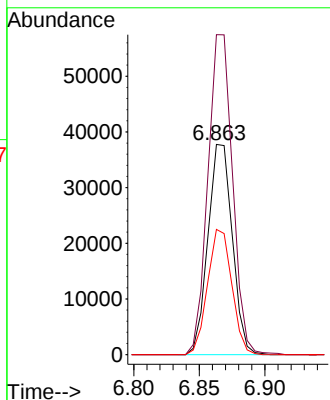
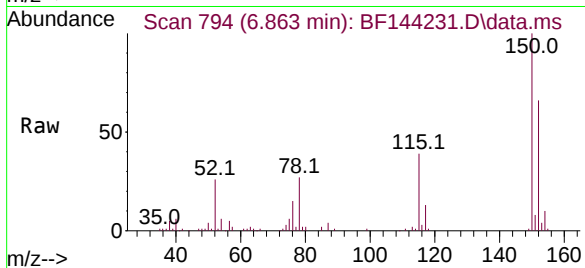




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.863 min Scan# 796
 Delta R.T. -0.012 min
 Lab File: BF144231.D
 Acq: 12 Nov 2025 16:21

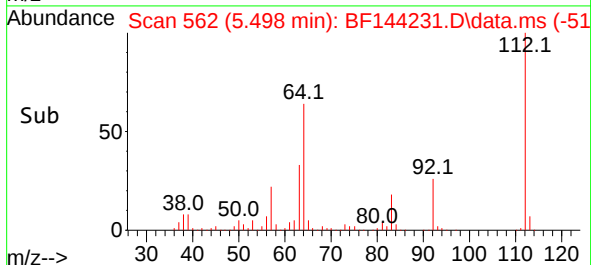
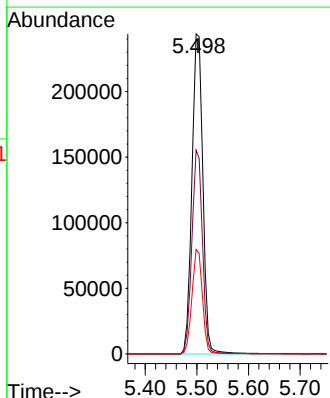
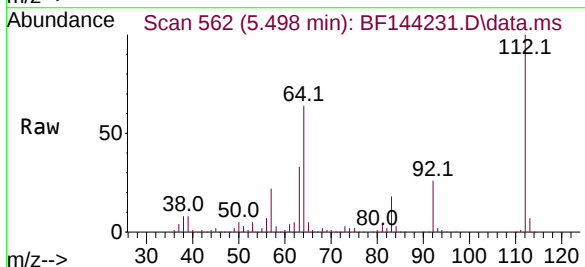
Instrument :
 BNA_F
 ClientSampleId :
 PB170473BL

Tgt Ion:152 Resp: 48845
 Ion Ratio Lower Upper
 152 100
 150 152.3 127.4 191.0
 115 59.5 49.5 74.3



#5
 2-Fluorophenol
 Concen: 114.877 ng
 RT: 5.498 min Scan# 562
 Delta R.T. 0.006 min
 Lab File: BF144231.D
 Acq: 12 Nov 2025 16:21

Tgt Ion:112 Resp: 358569
 Ion Ratio Lower Upper
 112 100
 64 63.7 47.2 70.8
 63 32.6 24.4 36.6

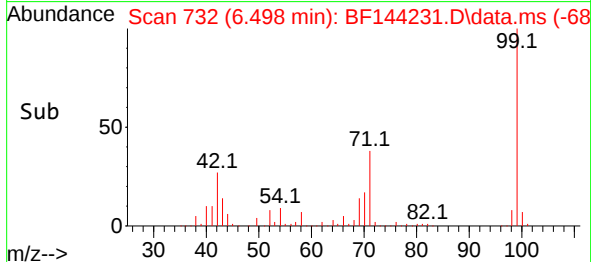
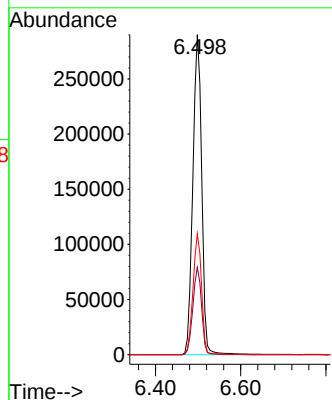
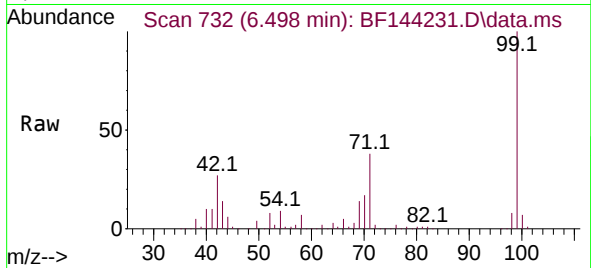




#7
Phenol-d6
Concen: 119.043 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.000 min
Lab File: BF144231.D
Acq: 12 Nov 2025 16:21

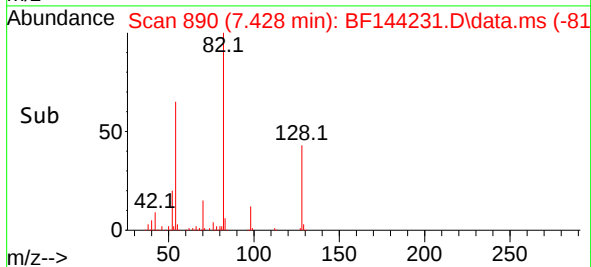
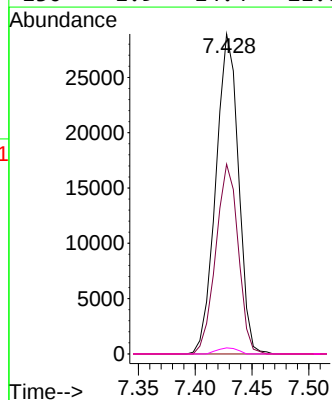
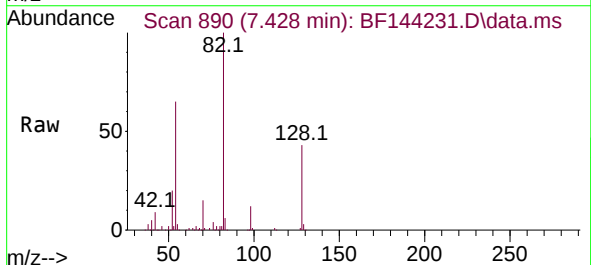
Instrument :
BNA_F
ClientSampleId :
PB170473BL

Tgt Ion: 99 Resp: 421024
Ion Ratio Lower Upper
99 100
42 27.3 20.9 31.3
71 37.7 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 17.227 ng
RT: 7.428 min Scan# 890
Delta R.T. 0.153 min
Lab File: BF144231.D
Acq: 12 Nov 2025 16:21

Tgt Ion: 70 Resp: 40109
Ion Ratio Lower Upper
70 100
42 59.3 58.3 87.5
101 0.0 7.0 10.6#
130 1.9 14.4 21.6#



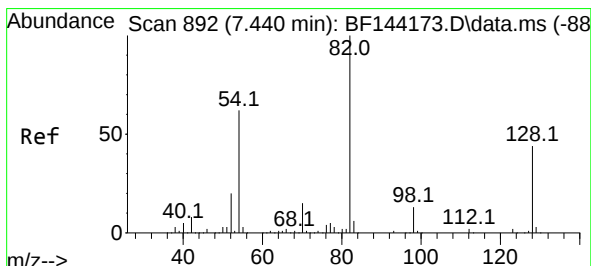
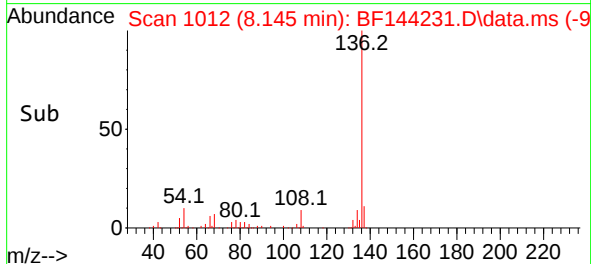
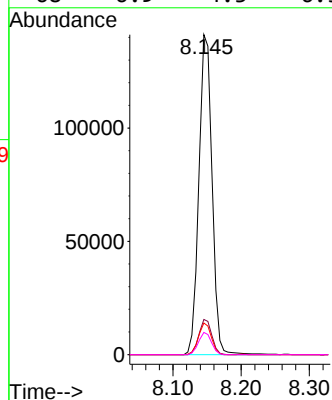
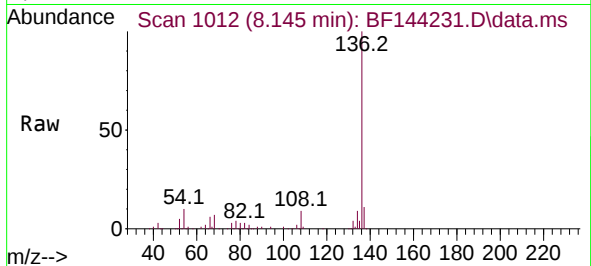


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 10
Delta R.T. -0.012 min
Lab File: BF144231.D
Acq: 12 Nov 2025 16:21

Instrument :
BNA_F
ClientSampleId :
PB170473BL

Tgt Ion:136 Resp: 190075

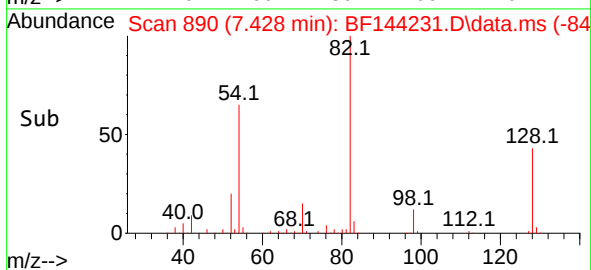
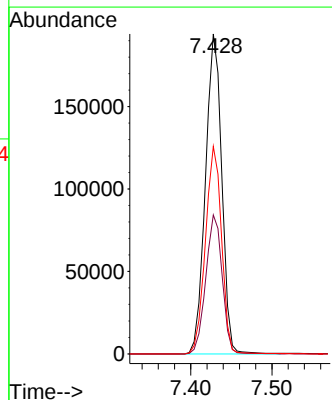
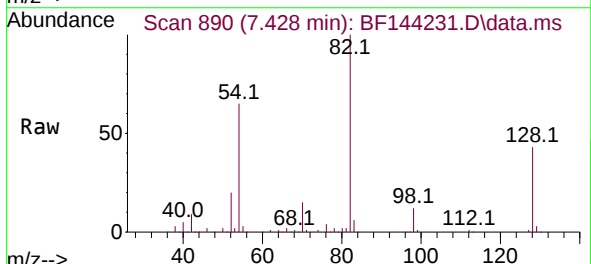
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	9.9	7.0	10.6
68	6.9	4.3	6.5

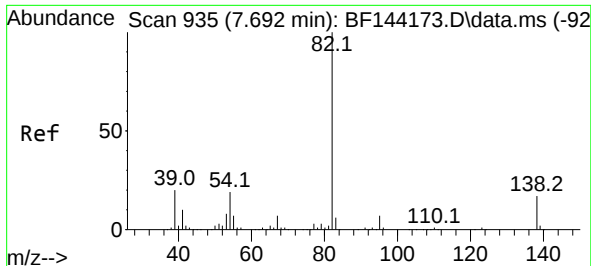


#23
Nitrobenzene-d5
Concen: 82.491 ng
RT: 7.428 min Scan# 890
Delta R.T. -0.006 min
Lab File: BF144231.D
Acq: 12 Nov 2025 16:21

Tgt Ion: 82 Resp: 271481

Ion	Ratio	Lower	Upper
82	100		
128	43.4	34.7	52.1
54	64.8	49.5	74.3

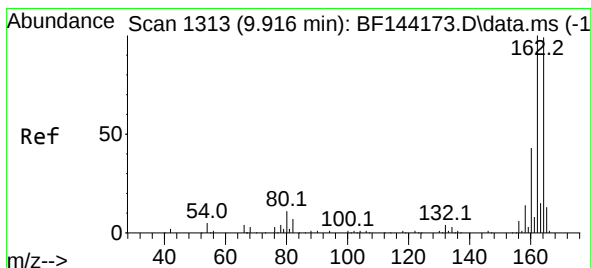
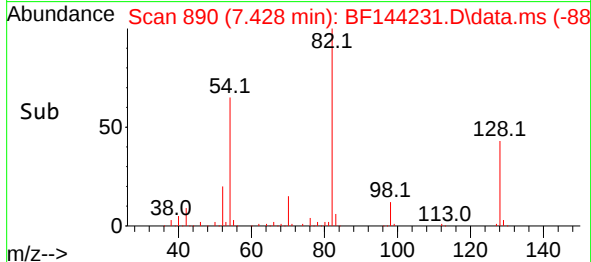
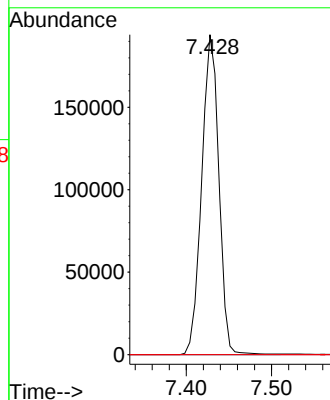
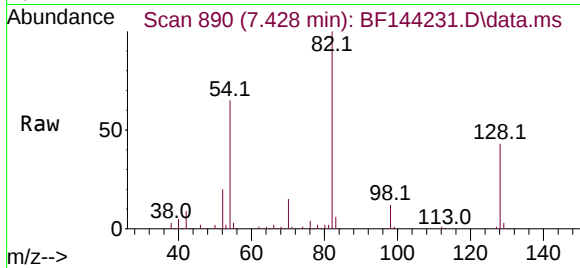




#25
Isophorone
Concen: 43.610 ng
RT: 7.428 min Scan# 89
Delta R.T. -0.259 min
Lab File: BF144231.D
Acq: 12 Nov 2025 16:21

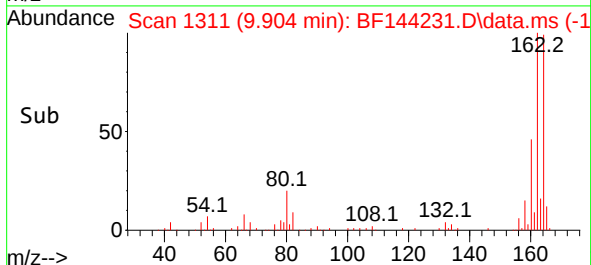
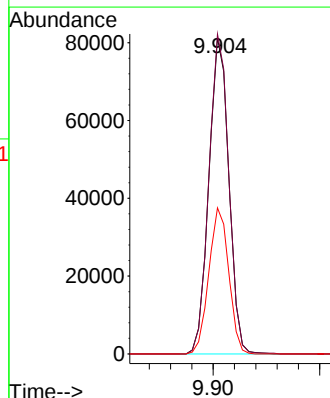
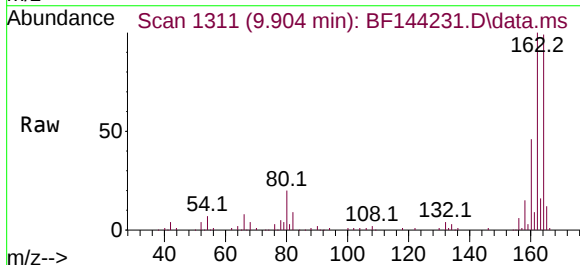
Instrument :
BNA_F
ClientSampleId :
PB170473BL

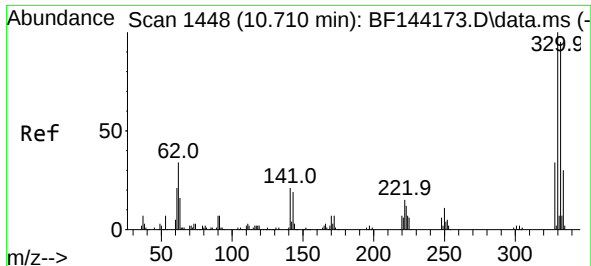
Tgt Ion: 82 Resp: 271477
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF144231.D
Acq: 12 Nov 2025 16:21

Tgt Ion:164 Resp: 105776
Ion Ratio Lower Upper
164 100
162 101.3 81.1 121.7
160 46.2 34.5 51.7

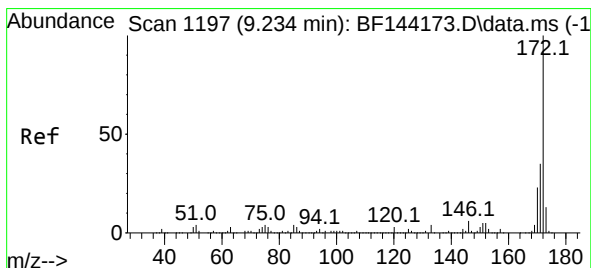
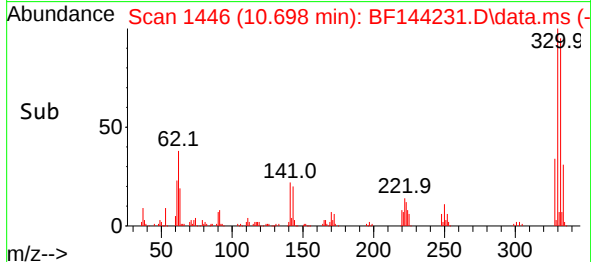
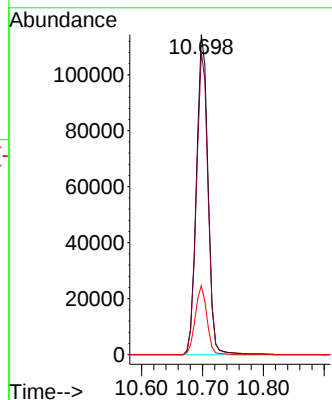
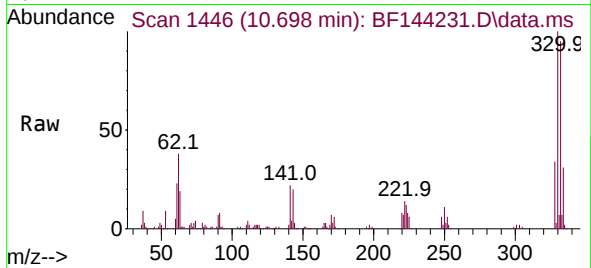




#42
 2,4,6-Tribromophenol
 Concen: 113.938 ng
 RT: 10.698 min Scan# 1446
 Delta R.T. -0.006 min
 Lab File: BF144231.D
 Acq: 12 Nov 2025 16:21

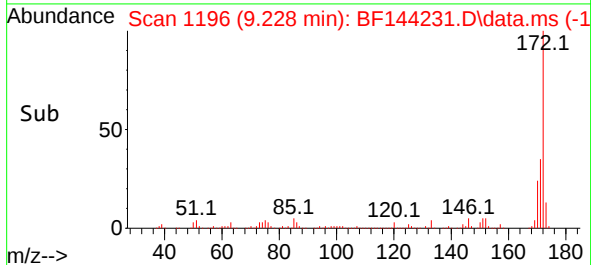
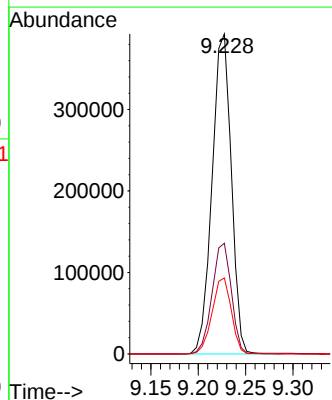
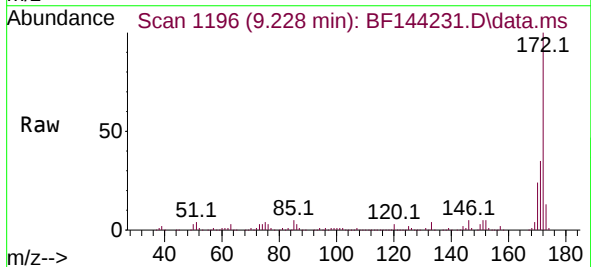
Instrument :
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 ClientSampleId :
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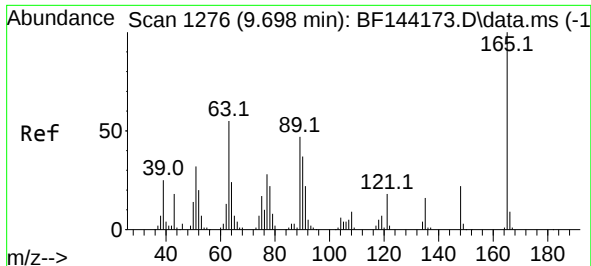
Tgt Ion: 330 Resp: 151238
 Ion Ratio Lower Upper
 330 100
 332 95.0 76.7 115.1
 141 21.5 17.8 26.8



#45
 2-Fluorobiphenyl
 Concen: 77.538 ng
 RT: 9.228 min Scan# 1196
 Delta R.T. -0.000 min
 Lab File: BF144231.D
 Acq: 12 Nov 2025 16:21

Tgt Ion: 172 Resp: 555319
 Ion Ratio Lower Upper
 172 100
 171 34.6 28.1 42.1
 170 23.7 18.6 28.0





#51

2,6-Dinitrotoluene

Concen: 9.273 ng

RT: 9.904 min Scan# 1311

Delta R.T. 0.212 min

Lab File: BF144231.D

Acq: 12 Nov 2025 16:21

Instrument :

BNA_F

ClientSampleId :

PB170473BL

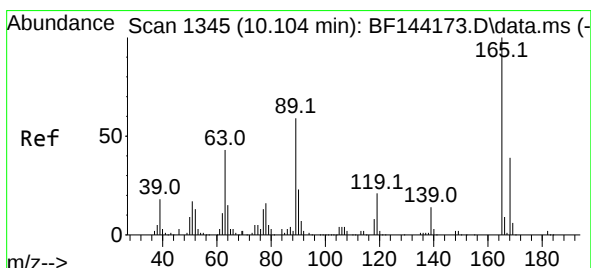
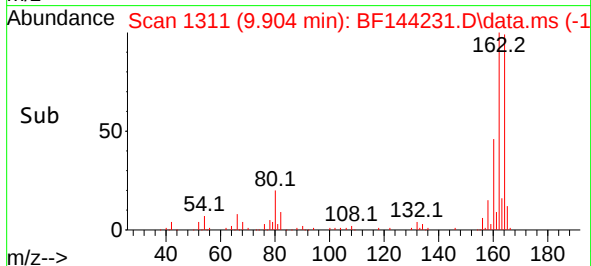
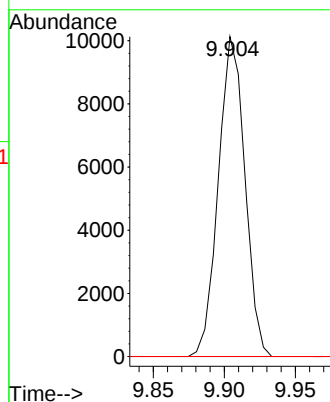
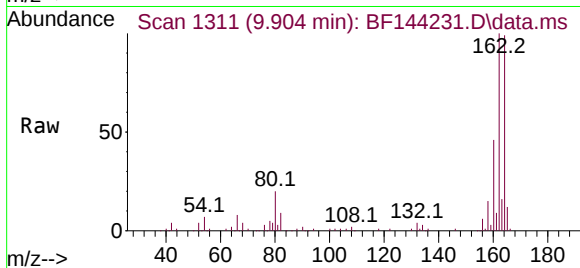
Tgt Ion:165 Resp: 13154

Ion Ratio Lower Upper

165 100

63 0.0 43.8 65.8#

89 0.0 37.5 56.3#



#57

2,4-Dinitrotoluene

Concen: 6.927 ng

RT: 9.904 min Scan# 1311

Delta R.T. -0.194 min

Lab File: BF144231.D

Acq: 12 Nov 2025 16:21

Tgt Ion:165 Resp: 13154

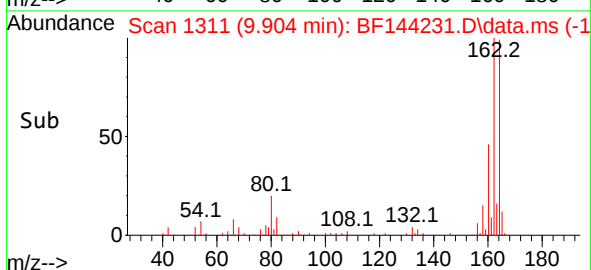
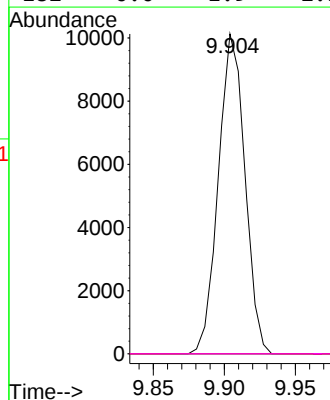
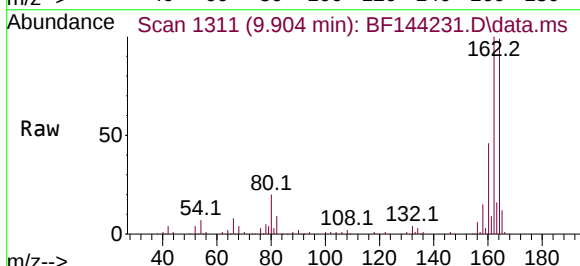
Ion Ratio Lower Upper

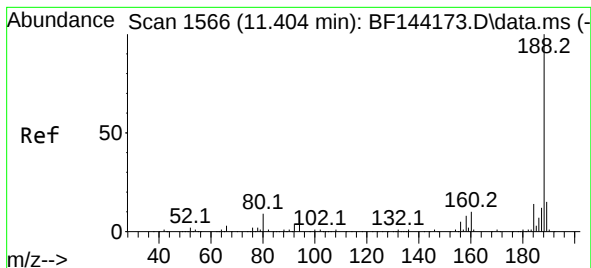
165 100

63 0.0 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: 11.398 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF144231.D

Acq: 12 Nov 2025 16:21

Instrument :

BNA_F

ClientSampleId :

PB170473BL

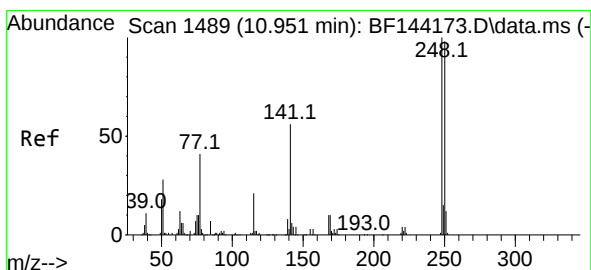
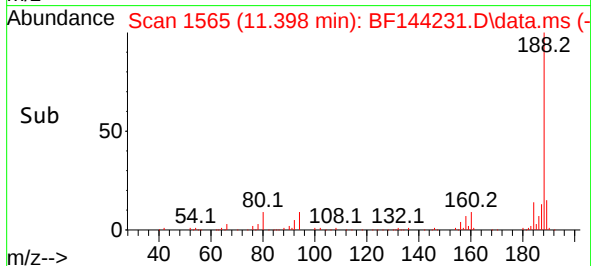
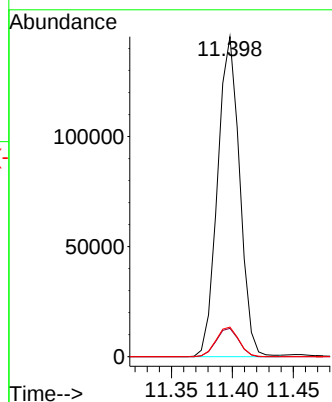
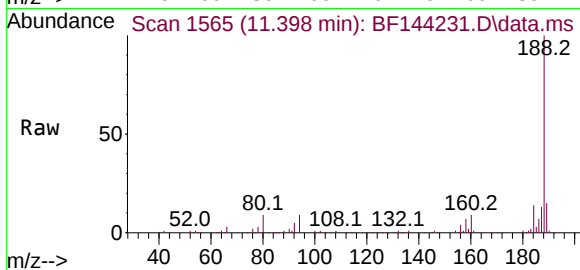
Tgt Ion:188 Resp: 183377

Ion Ratio Lower Upper

188 100

94 8.8 6.2 9.2

80 9.2 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 3.596 ng

RT: 10.698 min Scan# 1446

Delta R.T. -0.247 min

Lab File: BF144231.D

Acq: 12 Nov 2025 16:21

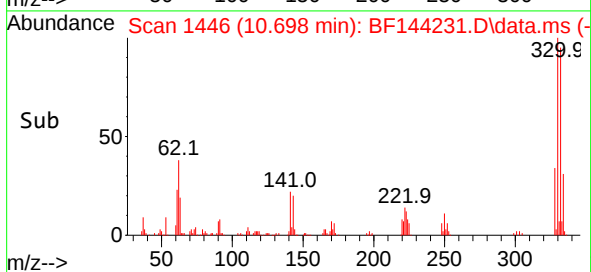
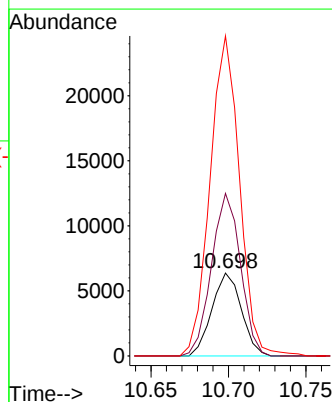
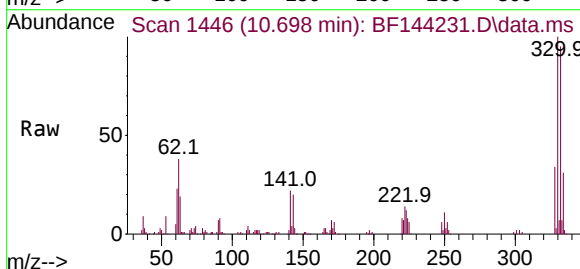
Tgt Ion:248 Resp: 8417

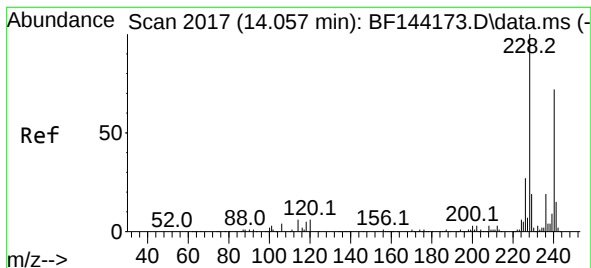
Ion Ratio Lower Upper

248 100

250 196.3 78.4 117.6#

141 386.7 45.1 67.7#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF144231.D

Acq: 12 Nov 2025 16:21

Instrument :

BNA_F

ClientSampleId :

PB170473BL

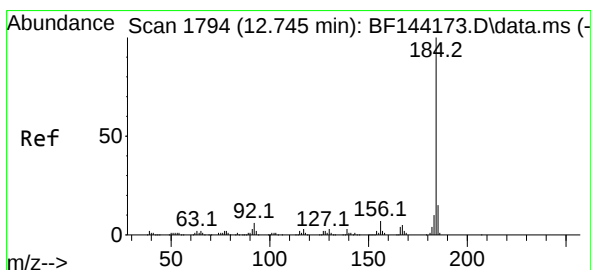
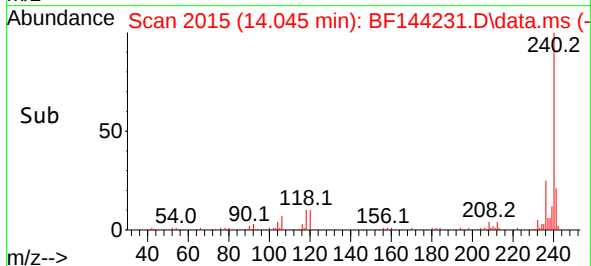
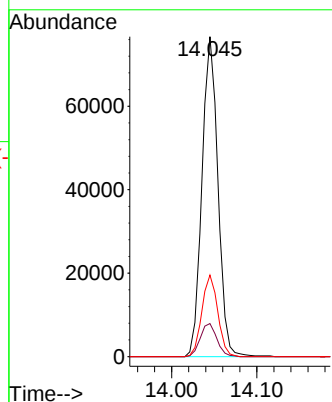
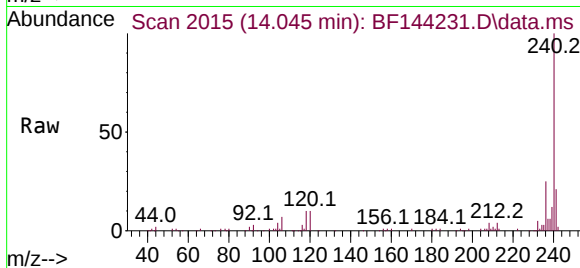
Tgt Ion:240 Resp: 99663

Ion Ratio Lower Upper

240 100

120 10.3 6.6 10.0#

236 25.5 21.4 32.2



#77

Benzidine

Concen: 2.108 ng

RT: 12.986 min Scan# 1835

Delta R.T. 0.235 min

Lab File: BF144231.D

Acq: 12 Nov 2025 16:21

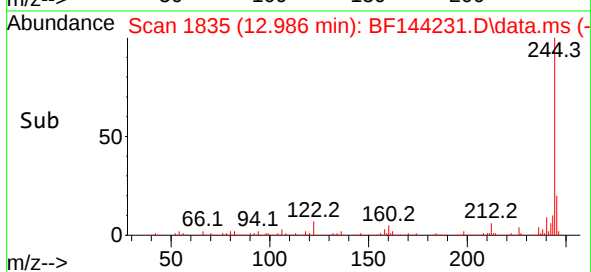
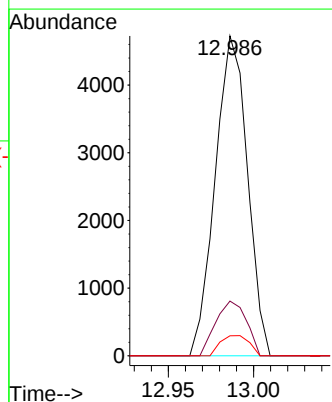
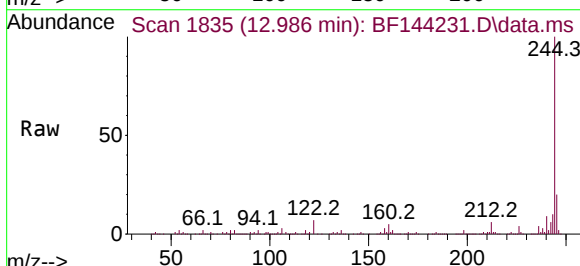
Tgt Ion:184 Resp: 6213

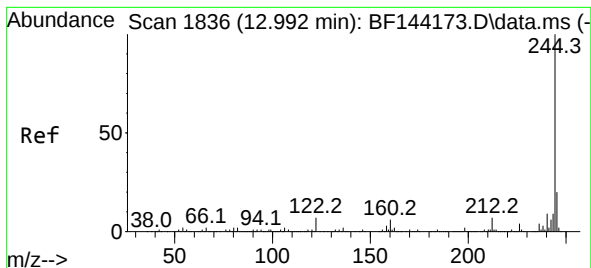
Ion Ratio Lower Upper

184 100

185 17.1 11.7 17.5

183 6.3 8.3 12.5#





#79

Terphenyl-d14

Concen: 90.465 ng

RT: 12.986 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF144231.D

Acq: 12 Nov 2025 16:21

Instrument :

BNA_F

ClientSampleId :

PB170473BL

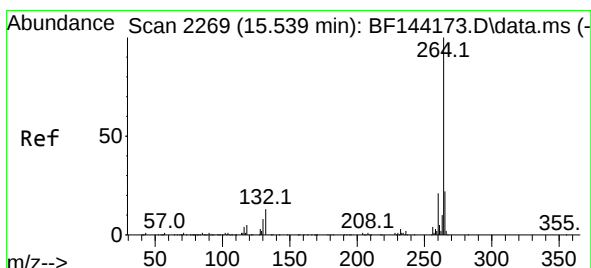
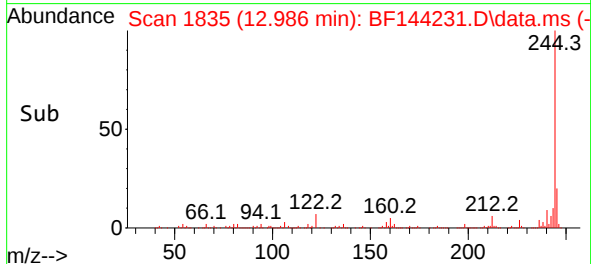
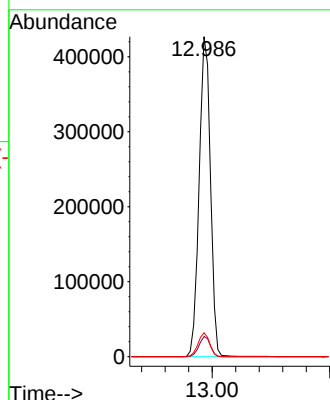
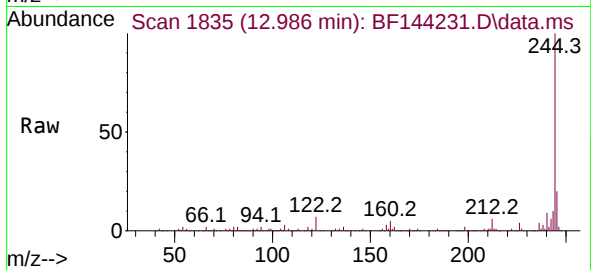
Tgt Ion:244 Resp: 567613

Ion Ratio Lower Upper

244 100

212 6.3 5.3 7.9

122 7.4 5.6 8.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2267

Delta R.T. -0.012 min

Lab File: BF144231.D

Acq: 12 Nov 2025 16:21

Tgt Ion:264 Resp: 110269

Ion Ratio Lower Upper

264 100

260 21.5 17.1 25.7

265 21.3 17.4 26.0

