

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072325\
 Data File : BF143211.D
 Acq On : 23 Jul 2025 15:02
 Operator : RC/JU
 Sample : PB168926TB
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168926TB

Quant Time: Jul 23 15:38:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

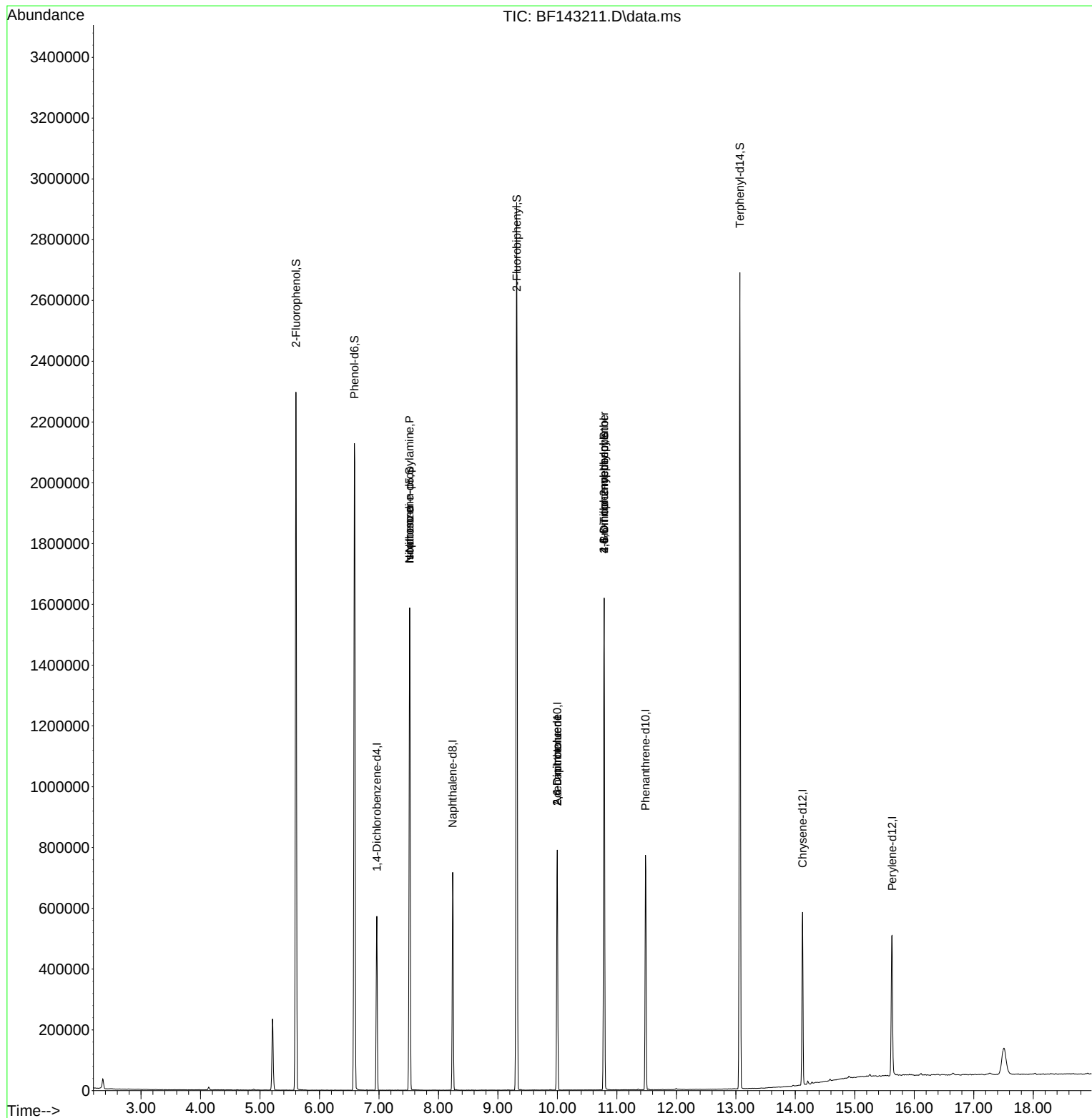
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	116721	20.000	ng	0.00
21) Naphthalene-d8	8.240	136	444530	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	231009	20.000	ng	0.00
64) Phenanthrene-d10	11.481	188	395154	20.000	ng	0.00
76) Chrysene-d12	14.122	240	268502	20.000	ng	0.00
86) Perylene-d12	15.627	264	278322	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	840890	114.005	ng	0.02
7) Phenol-d6	6.587	99	1050509	113.153	ng	0.00
23) Nitrobenzene-d5	7.516	82	712177	79.859	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	283835	118.936	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1318120	78.036	ng	0.00
79) Terphenyl-d14	13.069	244	1312385	72.736	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.516	70	95203	15.984	ng	# 79
25) Isophorone	7.516	82	709298	45.055	ng	# 66
51) 2,6-Dinitrotoluene	9.998	165	29884	9.756	ng	# 23
57) 2,4-Dinitrotoluene	9.998	165	29884	7.776	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.786	198	452	5.606	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	17694	3.757	ng	# 1

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

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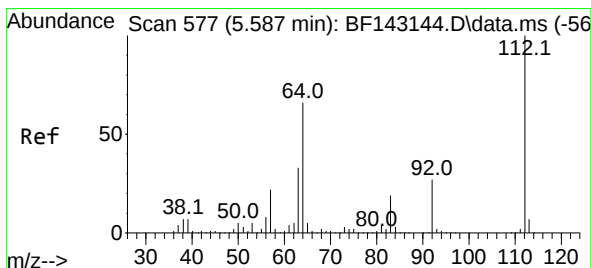
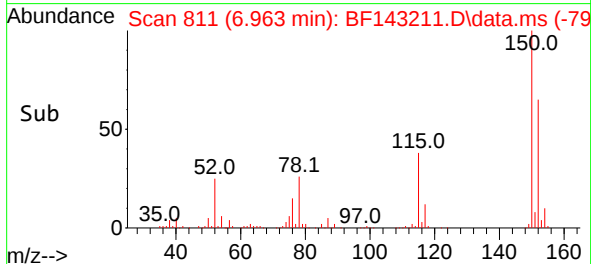
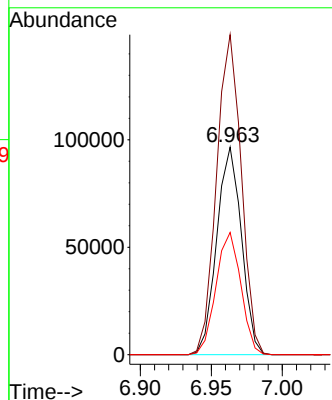
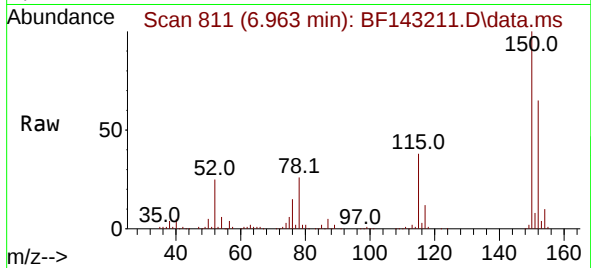




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143211.D
Acq: 23 Jul 2025 15:02

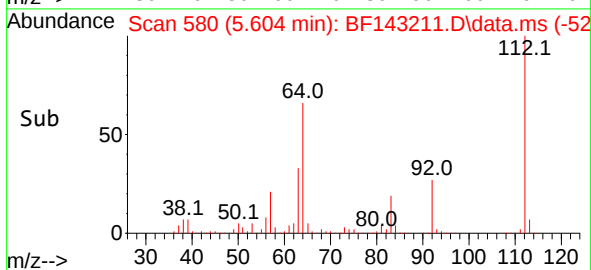
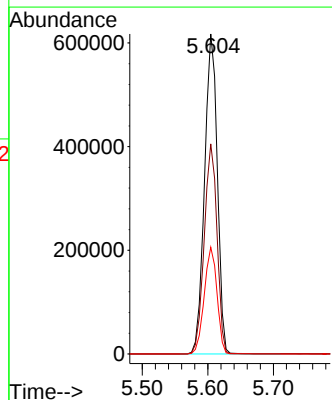
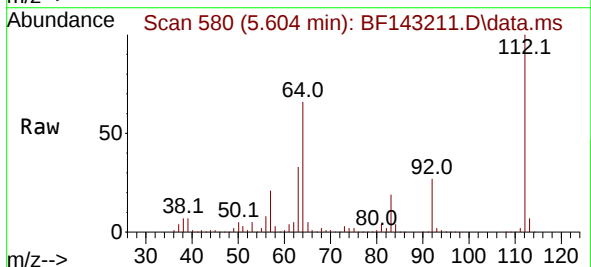
Instrument :
BNA_F
ClientSampleId :
PB168926TB

Tgt Ion:152 Resp: 116721
Ion Ratio Lower Upper
152 100
150 154.2 128.2 192.4
115 59.0 47.9 71.9



#5
2-Fluorophenol
Concen: 114.005 ng
RT: 5.604 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF143211.D
Acq: 23 Jul 2025 15:02

Tgt Ion:112 Resp: 840890
Ion Ratio Lower Upper
112 100
64 65.7 53.1 79.7
63 33.4 26.6 40.0





#7

Phenol-d6

Concen: 113.153 ng

RT: 6.587 min Scan# 74

Delta R.T. 0.000 min

Lab File: BF143211.D

Acq: 23 Jul 2025 15:02

Instrument :

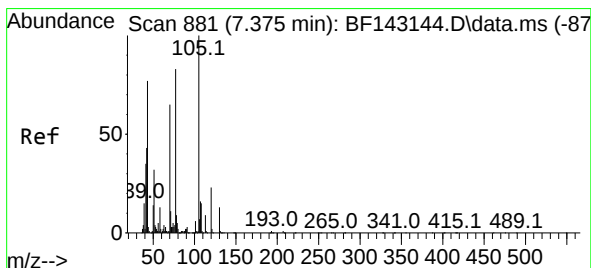
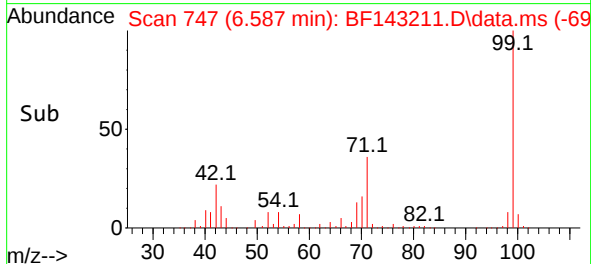
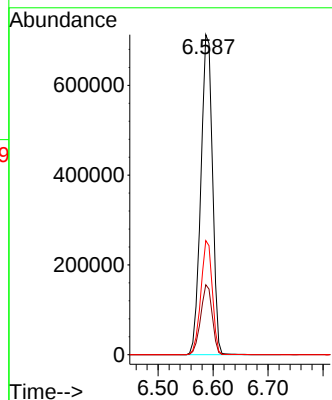
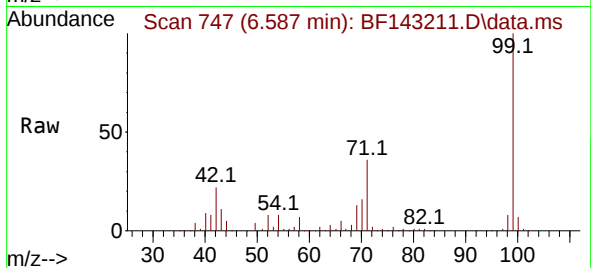
BNA_F

ClientSampleId :

PB168926TB

Tgt Ion: 99 Resp: 1050509

Ion	Ratio	Lower	Upper
99	100		
42	21.8	17.0	25.6
71	35.6	27.7	41.5



#19

n-Nitroso-di-n-propylamine

Concen: 15.984 ng

RT: 7.516 min Scan# 905

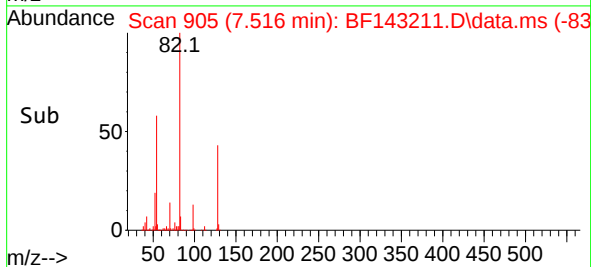
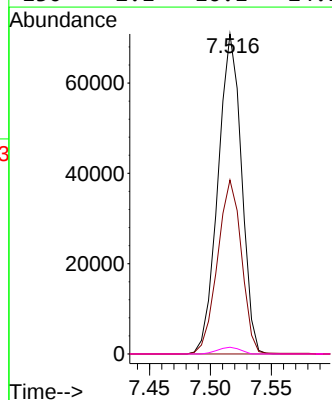
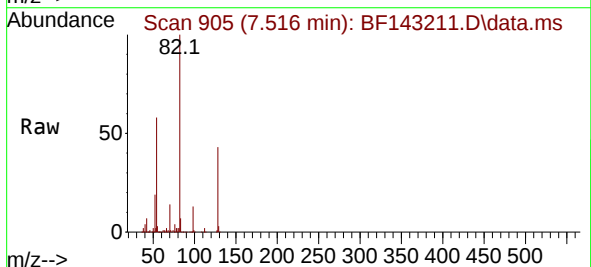
Delta R.T. 0.141 min

Lab File: BF143211.D

Acq: 23 Jul 2025 15:02

Tgt Ion: 70 Resp: 95203

Ion	Ratio	Lower	Upper
70	100		
42	54.4	52.5	78.7
101	0.0	7.6	11.4#
130	2.1	16.1	24.1#

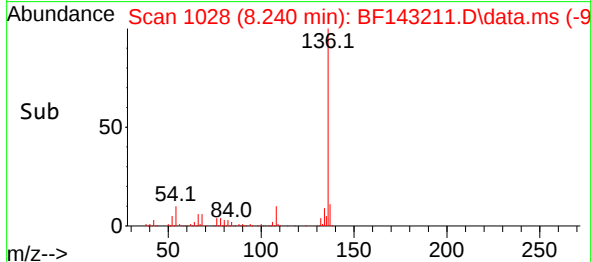
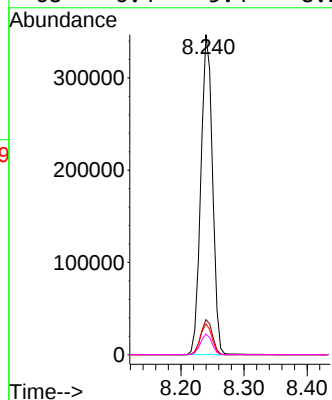
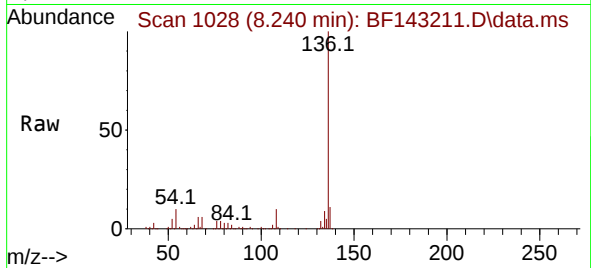




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.240 min Scan# 1029
Delta R.T. -0.005 min
Lab File: BF143211.D
Acq: 23 Jul 2025 15:02

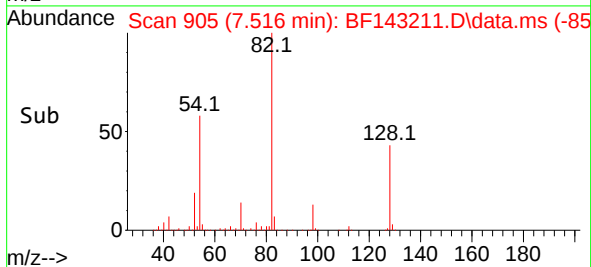
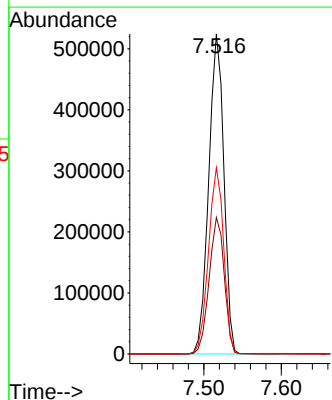
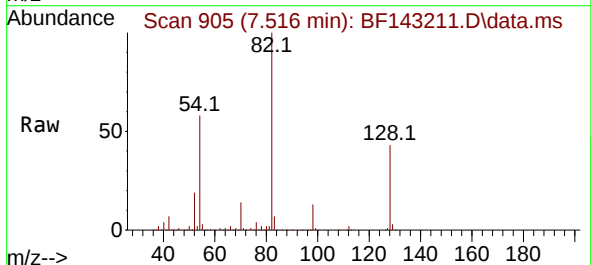
Instrument :
BNA_F
ClientSampleId :
PB168926TB

Tgt	Ion:136	Resp:	444530
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	9.6	8.2	12.2
68	6.4	5.4	8.2



#23
Nitrobenzene-d5
Concen: 79.859 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143211.D
Acq: 23 Jul 2025 15:02

Tgt Ion: 82	Resp: 712177
Ion Ratio	Lower Upper
82 100	
128 42.6	33.6 50.4
54 58.2	47.1 70.7

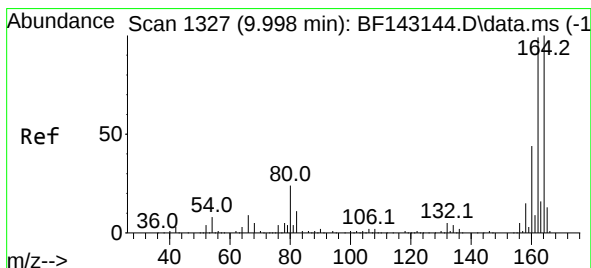
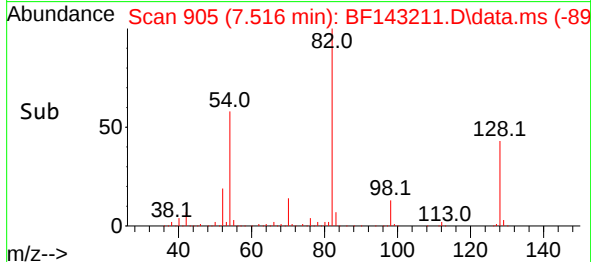
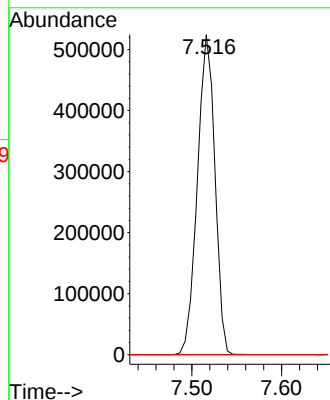
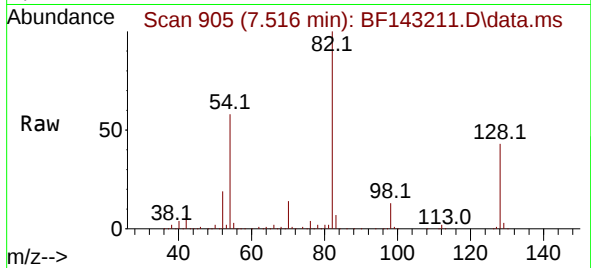




#25
Isophorone
Concen: 45.055 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.265 min
Lab File: BF143211.D
Acq: 23 Jul 2025 15:02

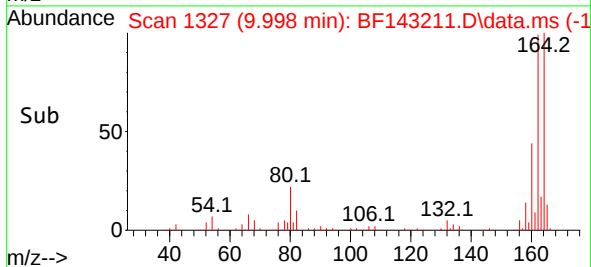
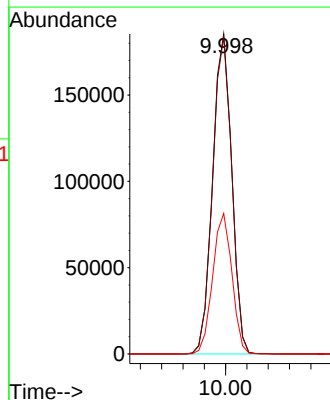
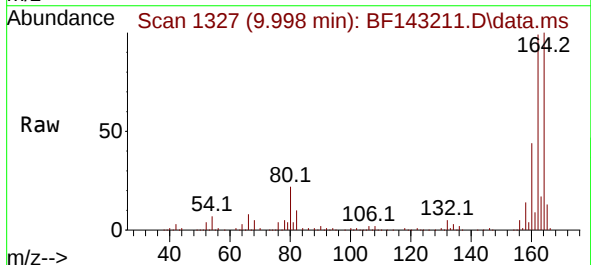
Instrument :
BNA_F
ClientSampleId :
PB168926TB

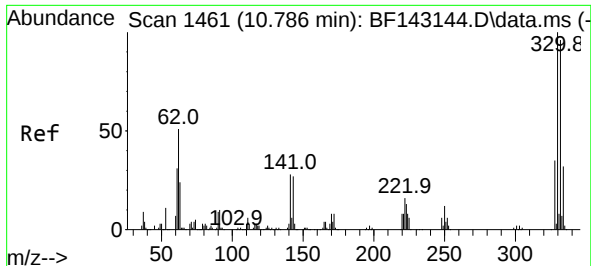
Tgt Ion: 82 Resp: 709298
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143211.D
Acq: 23 Jul 2025 15:02

Tgt Ion:164 Resp: 231009
Ion Ratio Lower Upper
164 100
162 99.1 79.0 118.6
160 43.9 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 118.936 ng

RT: 10.786 min Scan# 1461

Delta R.T. 0.000 min

Lab File: BF143211.D

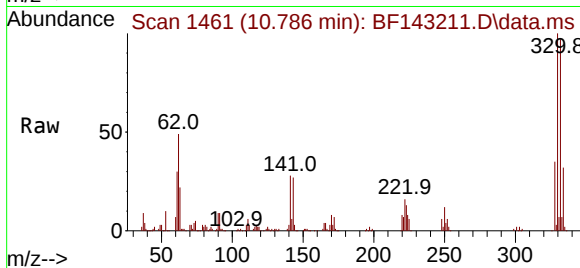
Acq: 23 Jul 2025 15:02

Instrument :

BNA_F

ClientSampleId :

PB168926TB



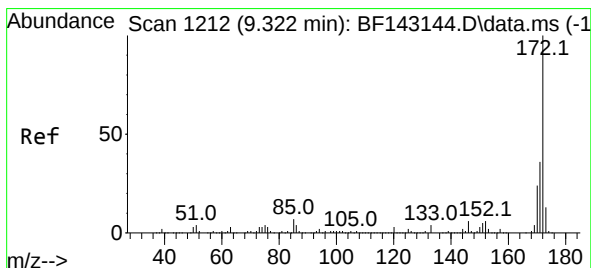
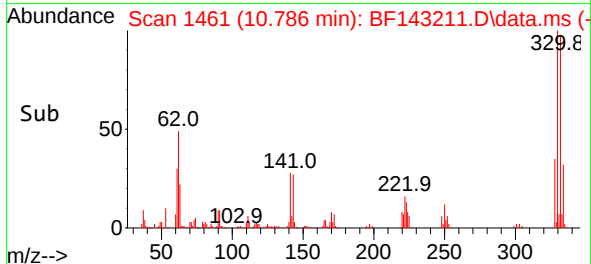
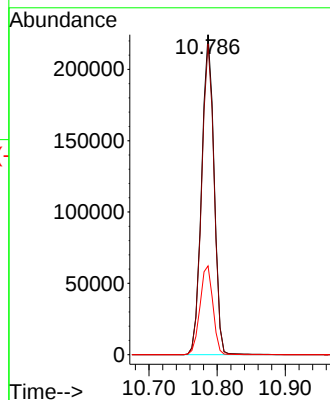
Tgt Ion:330 Resp: 283835

Ion Ratio Lower Upper

330 100

332 96.9 76.7 115.1

141 28.7 23.3 34.9



#45

2-Fluorobiphenyl

Concen: 78.036 ng

RT: 9.316 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF143211.D

Acq: 23 Jul 2025 15:02

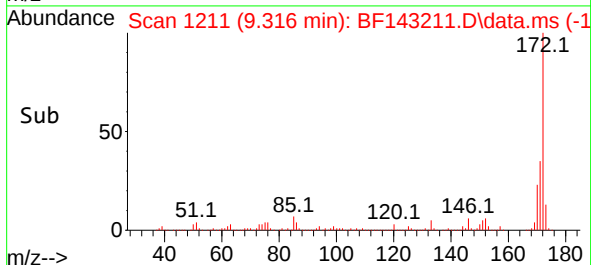
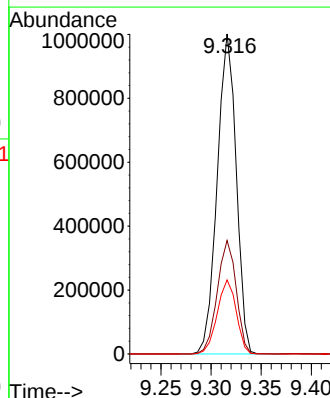
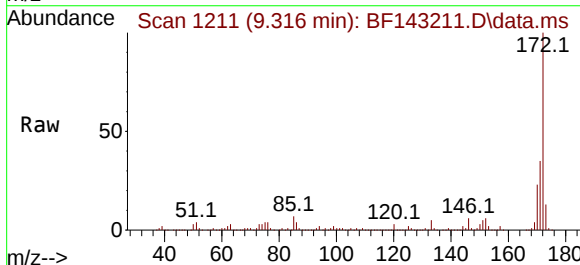
Tgt Ion:172 Resp: 1318120

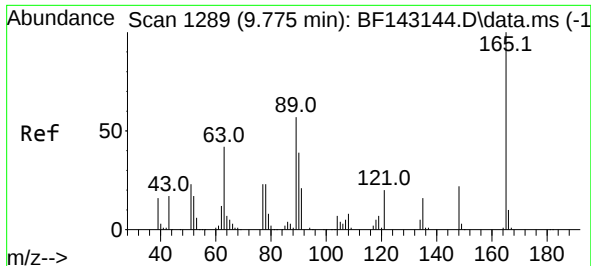
Ion Ratio Lower Upper

172 100

171 35.5 28.6 42.8

170 23.2 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 9.756 ng

RT: 9.998 min Scan# 1

Delta R.T. 0.224 min

Lab File: BF143211.D

Acq: 23 Jul 2025 15:02

Instrument :

BNA_F

ClientSampleId :

PB168926TB

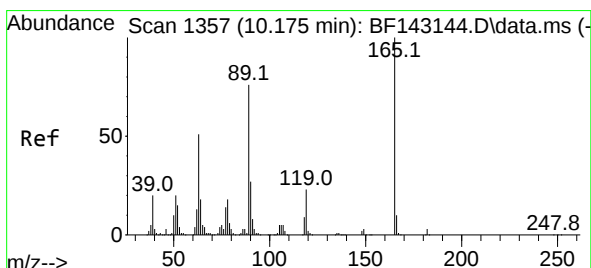
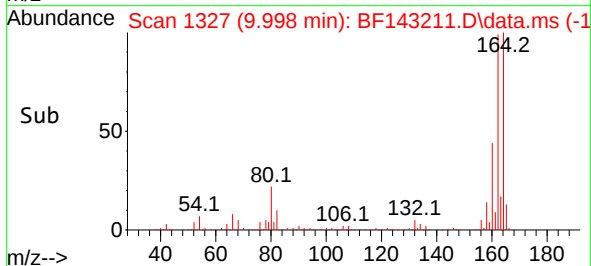
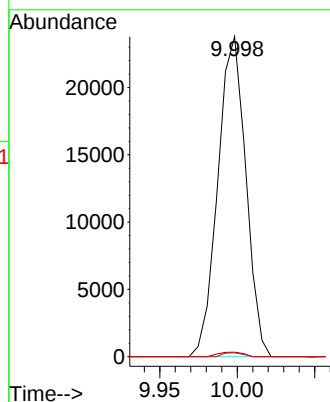
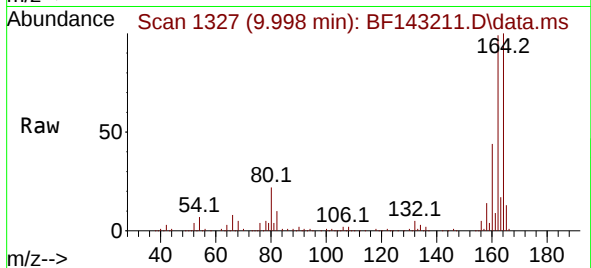
Tgt Ion:165 Resp: 29884

Ion Ratio Lower Upper

165 100

63 1.4 49.4 74.2#

89 1.2 46.2 69.2#



#57

2,4-Dinitrotoluene

Concen: 7.776 ng

RT: 9.998 min Scan# 1327

Delta R.T. -0.176 min

Lab File: BF143211.D

Acq: 23 Jul 2025 15:02

Tgt Ion:165 Resp: 29884

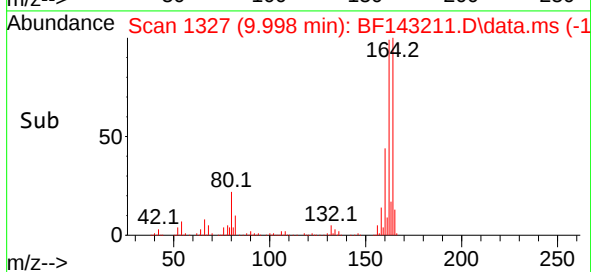
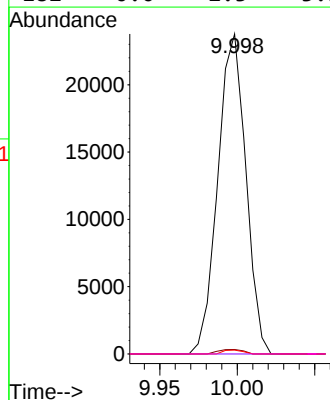
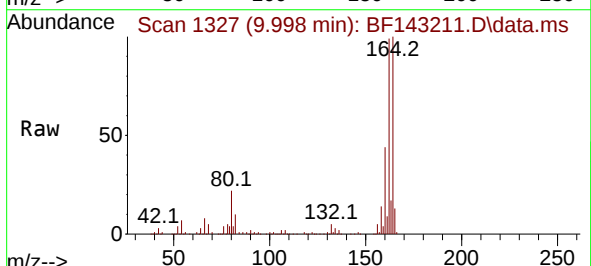
Ion Ratio Lower Upper

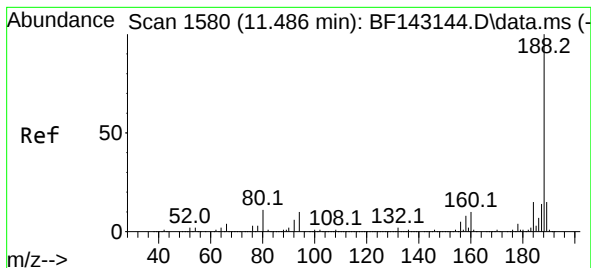
165 100

63 1.4 41.0 61.4#

89 1.2 61.1 91.7#

182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.481 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143211.D

Acq: 23 Jul 2025 15:02

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ClientSampleId :

PB168926TB

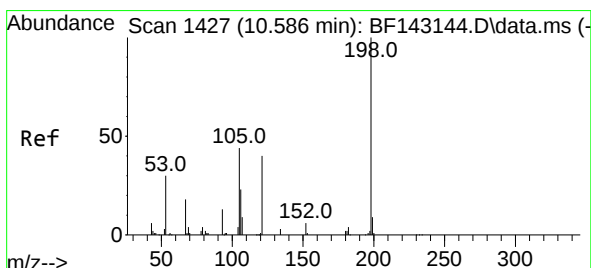
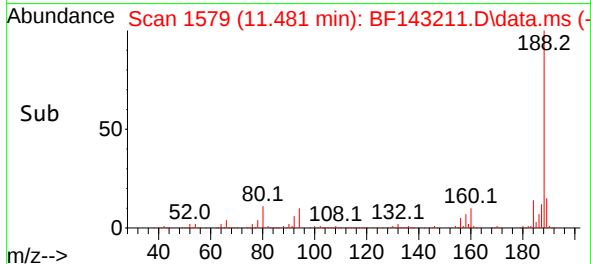
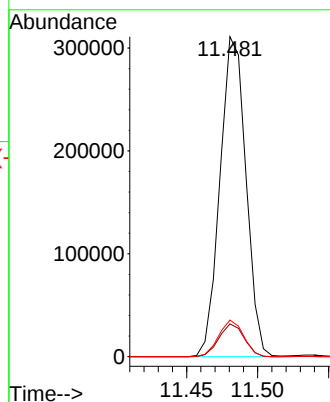
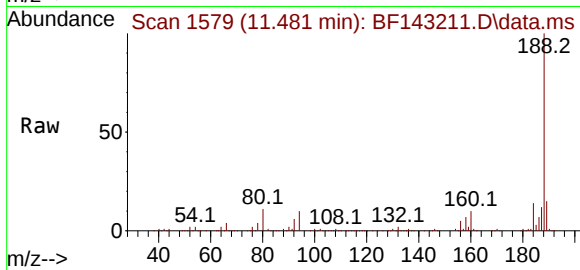
Tgt Ion:188 Resp: 395154

Ion Ratio Lower Upper

188 100

94 10.2 8.3 12.5

80 11.4 9.0 13.6



#65

4,6-Dinitro-2-methylphenol

Concen: 5.606 ng

RT: 10.786 min Scan# 1461

Delta R.T. 0.200 min

Lab File: BF143211.D

Acq: 23 Jul 2025 15:02

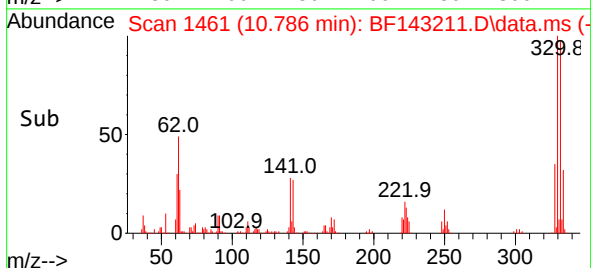
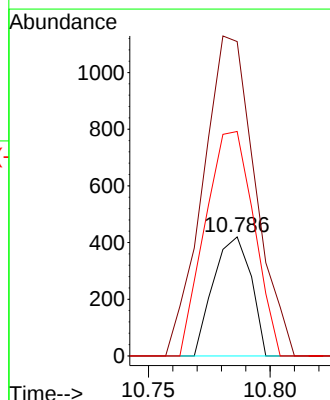
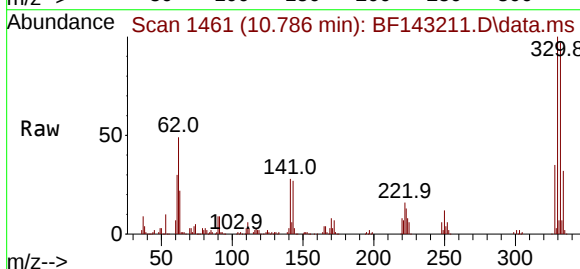
Tgt Ion:198 Resp: 452

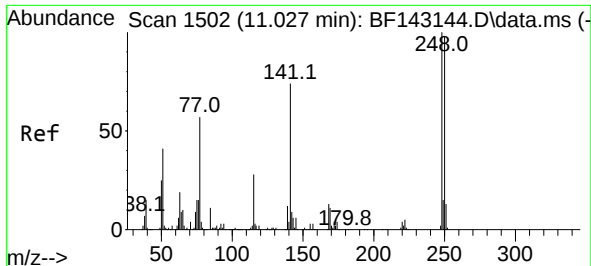
Ion Ratio Lower Upper

198 100

51 264.0 37.2 77.2#

105 188.6 24.8 64.8#

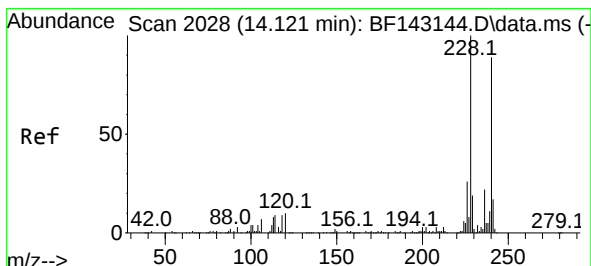
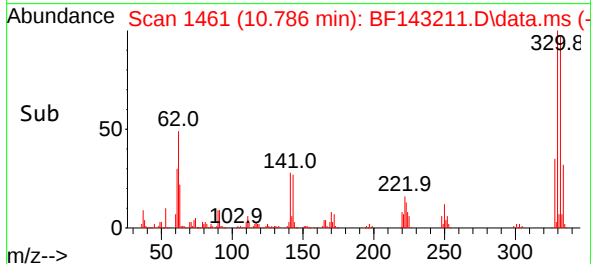
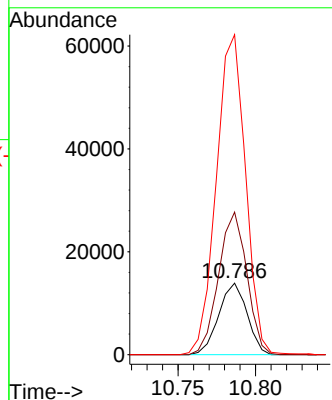
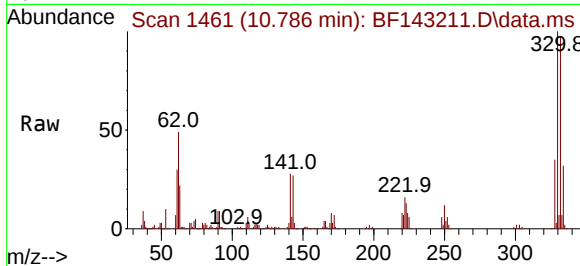




#67
4-Bromophenyl-phenylether
Concen: 3.757 ng
RT: 10.786 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF143211.D
Acq: 23 Jul 2025 15:02

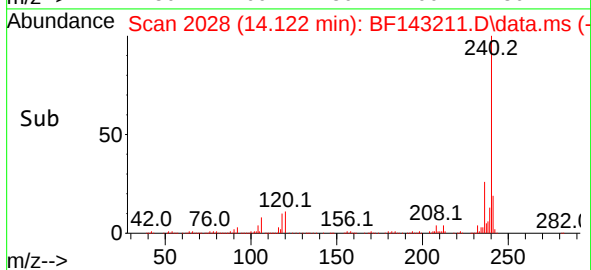
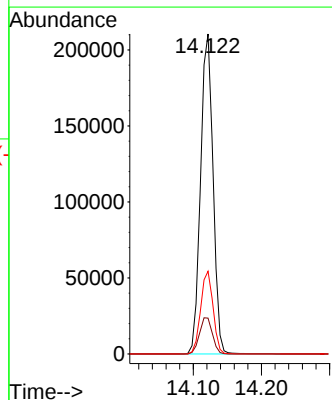
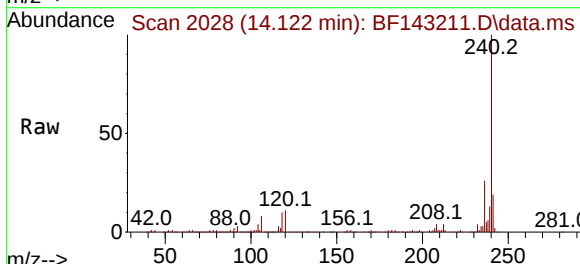
Instrument :
BNA_F
ClientSampleId :
PB168926TB

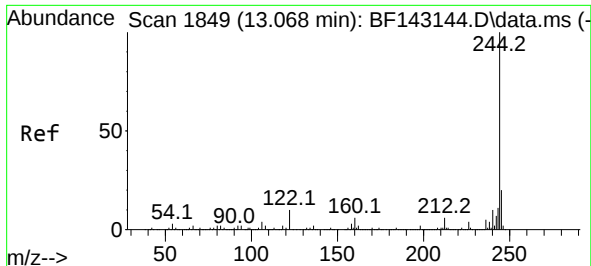
Tgt Ion:248 Resp: 17694
Ion Ratio Lower Upper
248 100
250 199.2 78.3 117.5#
141 446.9 59.2 88.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.122 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143211.D
Acq: 23 Jul 2025 15:02

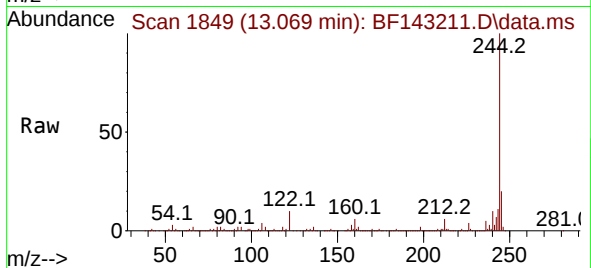
Tgt Ion:240 Resp: 268502
Ion Ratio Lower Upper
240 100
120 11.2 9.4 14.2
236 25.9 20.2 30.4



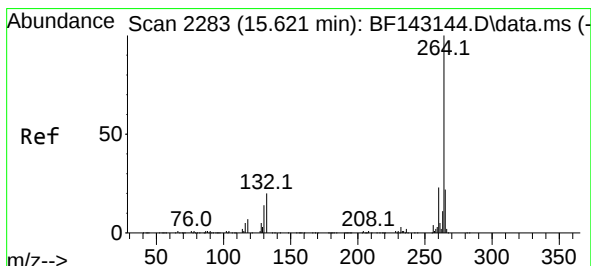
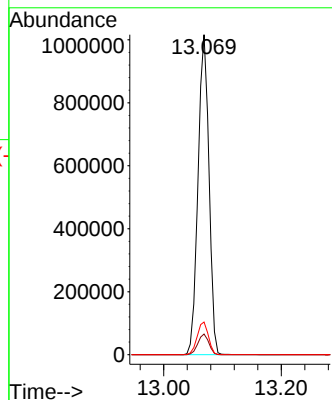
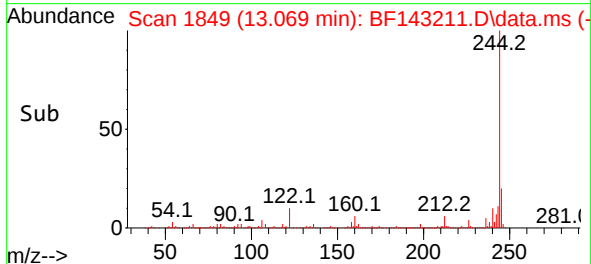


#79
 Terphenyl-d14
 Concen: 72.736 ng
 RT: 13.069 min Scan# 1849
 Delta R.T. 0.000 min
 Lab File: BF143211.D
 Acq: 23 Jul 2025 15:02

Instrument :
 BNA_F
 ClientSampleId :
 PB168926TB



Tgt Ion:244 Resp: 1312385
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.2 7.8
 122 10.2 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.627 min Scan# 2284
 Delta R.T. 0.006 min
 Lab File: BF143211.D
 Acq: 23 Jul 2025 15:02

Tgt Ion:264 Resp: 278322
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.5 27.7
 265 20.9 17.4 26.2

