

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072425\
 Data File : BF143231.D
 Acq On : 24 Jul 2025 14:01
 Operator : RC/JU
 Sample : Q2668-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Jul 24 14:26:54 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)

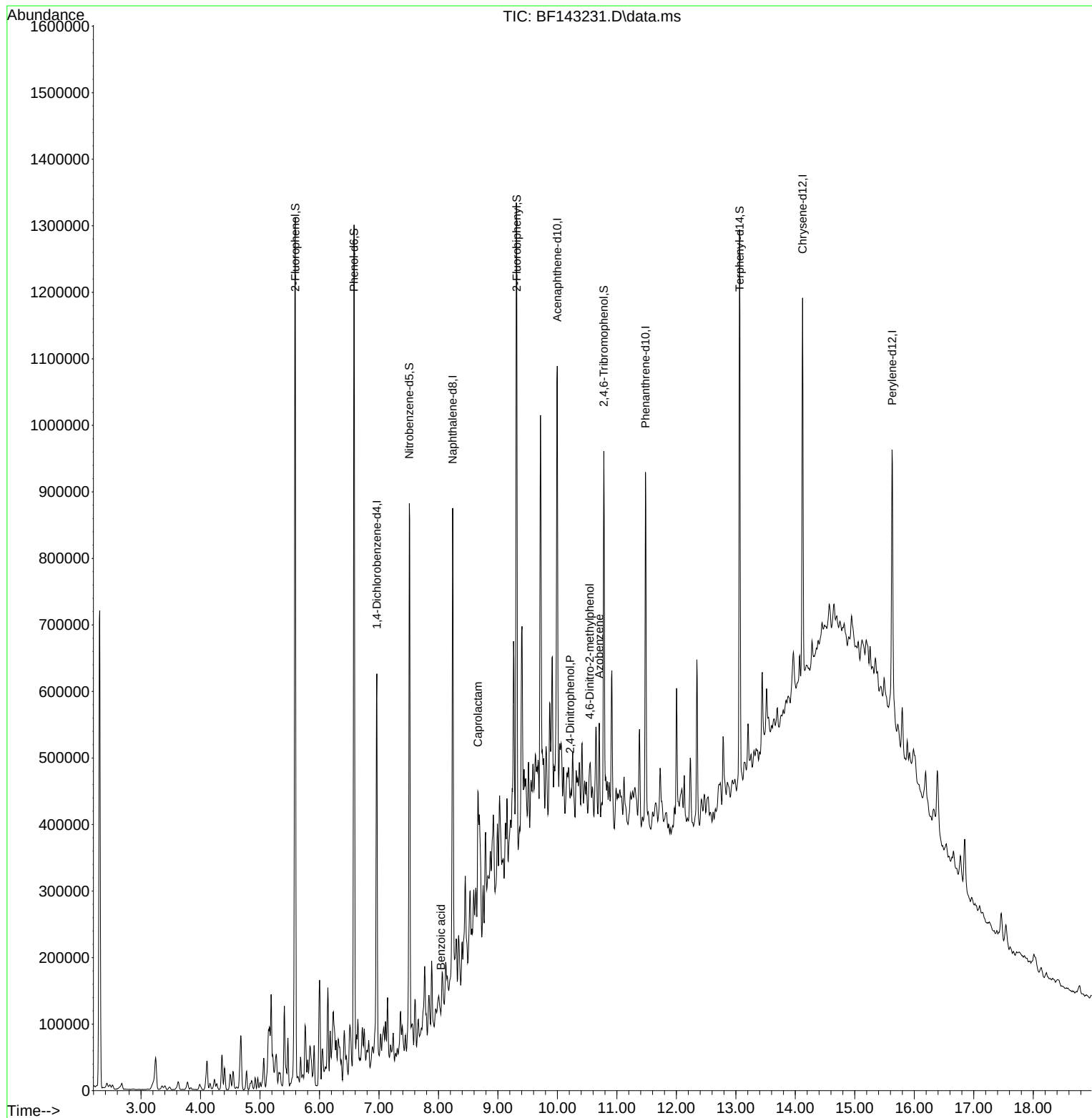
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	115493	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	402909	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	176231	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	265969	20.000	ng	0.00
76) Chrysene-d12	14.121	240	272576	20.000	ng	0.00
86) Perylene-d12	15.627	264	252249	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.592	112	444978	60.970	ng	0.00
7) Phenol-d6	6.581	99	548814	59.743	ng	0.00
23) Nitrobenzene-d5	7.510	82	346579	42.878	ng	-0.01
42) 2,4,6-Tribromophenol	10.780	330	94520	51.918	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	428373	33.243	ng	0.00
79) Terphenyl-d14	13.063	244	397710	21.713	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	8.039	122	2394	5.747	ng	# 12
35) Caprolactam	8.663	113	6581	3.874	ng	# 1
54) 2,4-Dinitrophenol	10.216	184	288	6.913	ng	# 34
63) Azobenzene	10.704	77	28748	2.429	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.545	198	871	5.967	ng	# 1

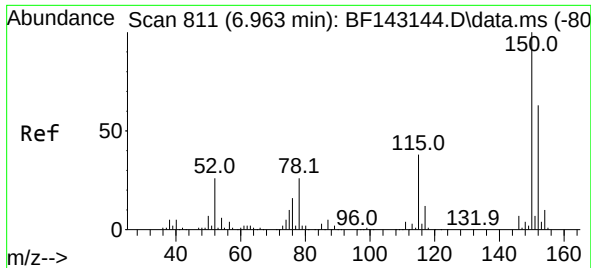
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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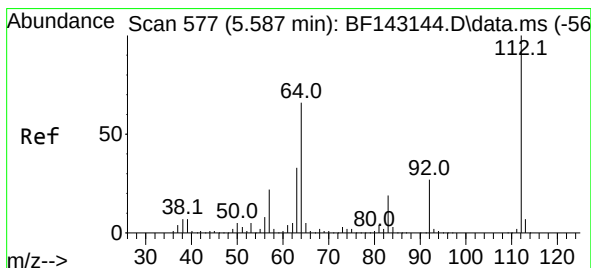
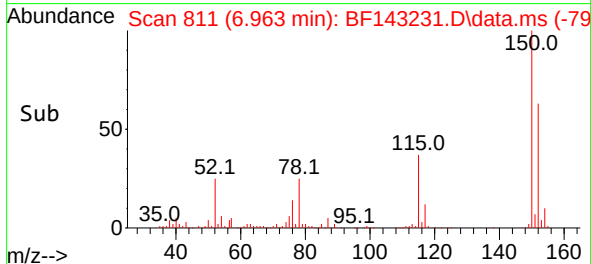
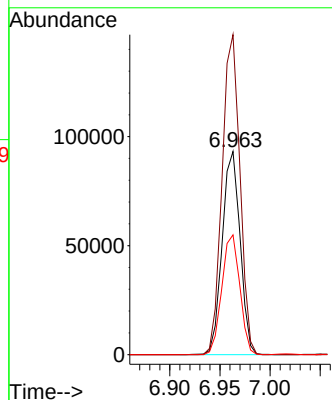
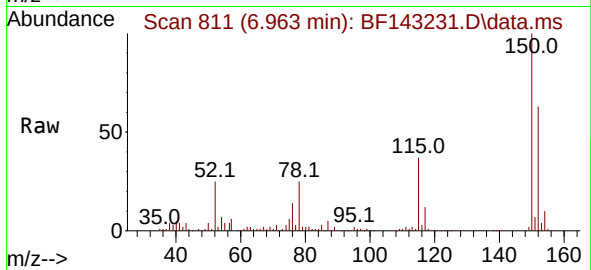




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143231.D
Acq: 24 Jul 2025 14:01

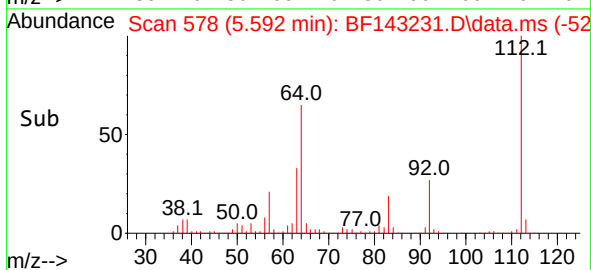
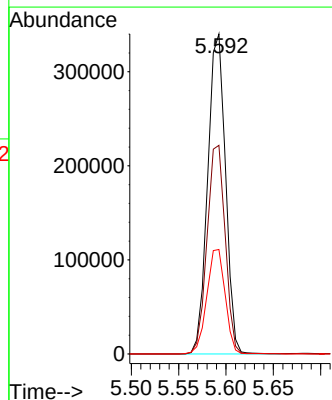
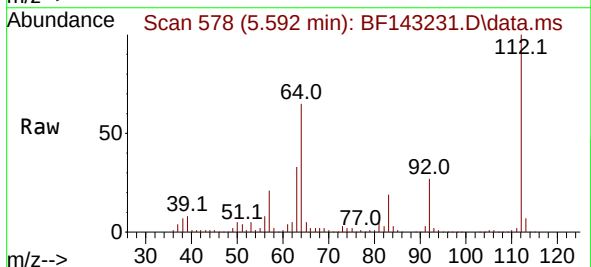
Instrument :
BNA_F
ClientSampleId :
TP-2

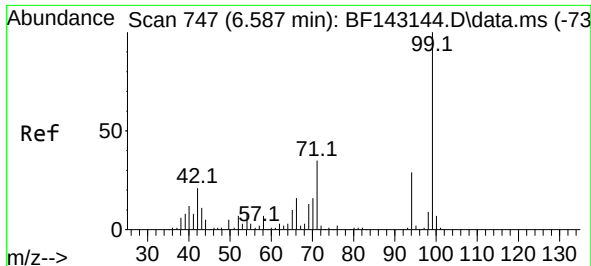
Tgt Ion:152 Resp: 115493
Ion Ratio Lower Upper
152 100
150 157.5 128.2 192.4
115 59.0 47.9 71.9



#5
2-Fluorophenol
Concen: 60.970 ng
RT: 5.592 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143231.D
Acq: 24 Jul 2025 14:01

Tgt Ion:112 Resp: 444978
Ion Ratio Lower Upper
112 100
64 65.2 53.1 79.7
63 32.7 26.6 40.0

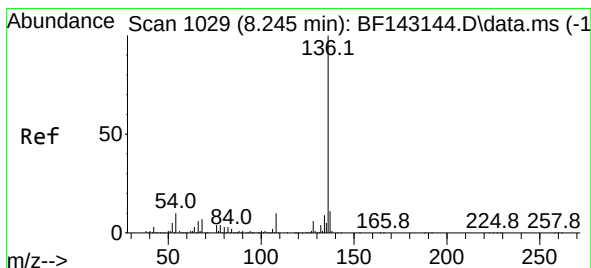
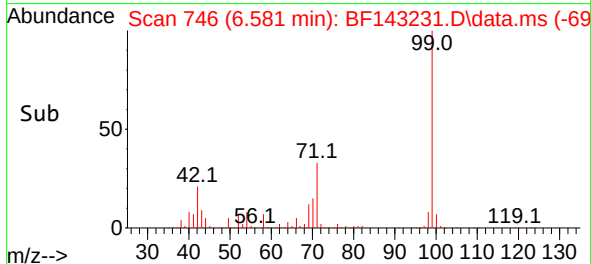
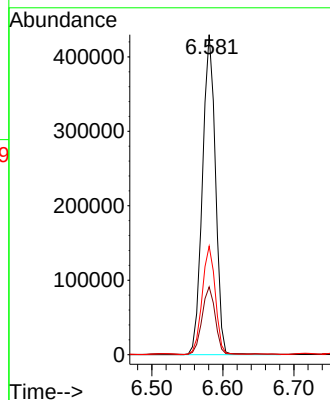
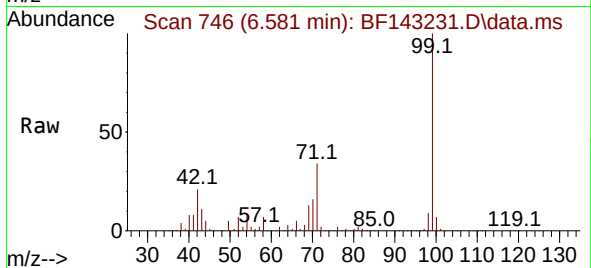




#7
Phenol-d6
Concen: 59.743 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143231.D
Acq: 24 Jul 2025 14:01

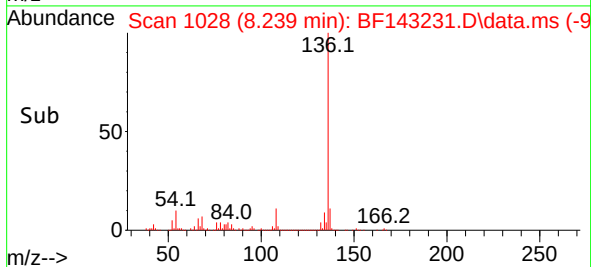
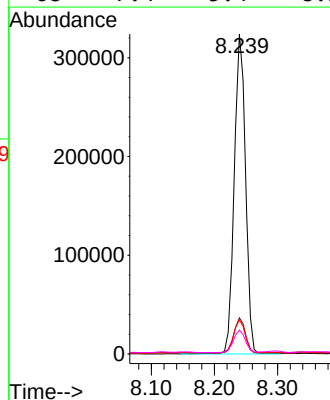
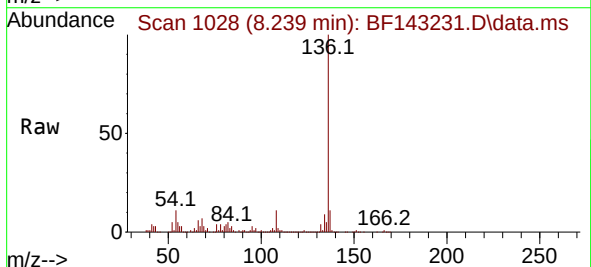
Instrument :
BNA_F
ClientSampleId :
TP-2

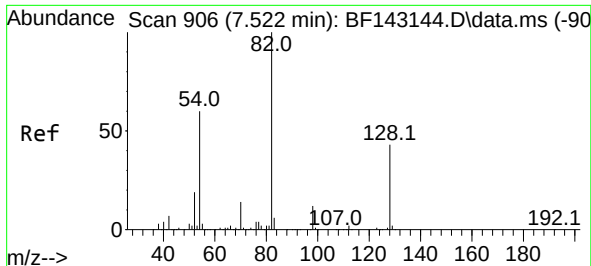
Tgt Ion: 99 Resp: 548814
Ion Ratio Lower Upper
99 100
42 21.2 17.0 25.6
71 33.9 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143231.D
Acq: 24 Jul 2025 14:01

Tgt Ion: 136 Resp: 402909
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 10.6 8.2 12.2
68 7.4 5.4 8.2





#23

Nitrobenzene-d5

Concen: 42.878 ng

RT: 7.510 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF143231.D

Acq: 24 Jul 2025 14:01

Instrument :

BNA_F

ClientSampleId :

TP-2

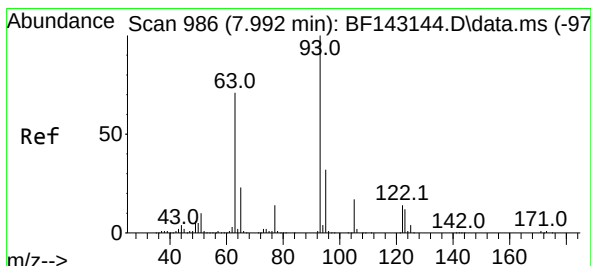
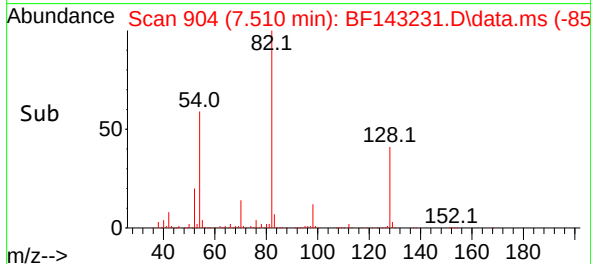
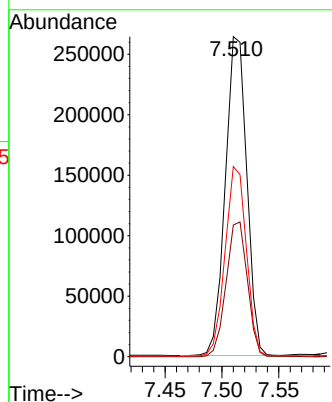
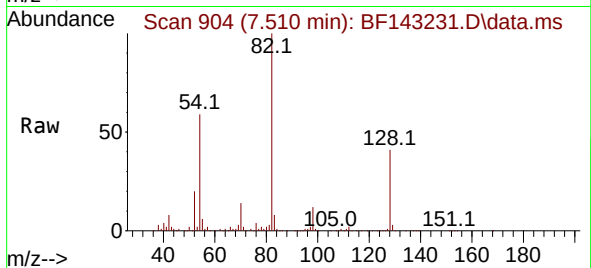
Tgt Ion: 82 Resp: 346579

Ion Ratio Lower Upper

82 100

128 41.1 33.6 50.4

54 59.4 47.1 70.7



#32

Benzoic acid

Concen: 5.747 ng

RT: 8.039 min Scan# 994

Delta R.T. 0.047 min

Lab File: BF143231.D

Acq: 24 Jul 2025 14:01

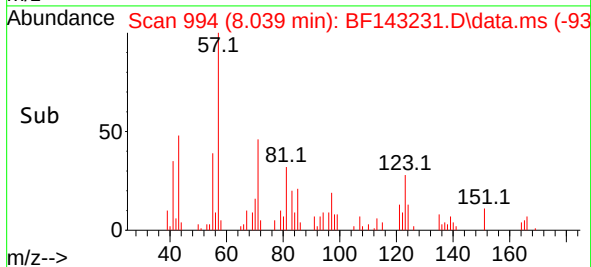
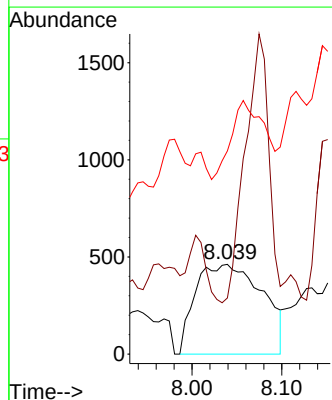
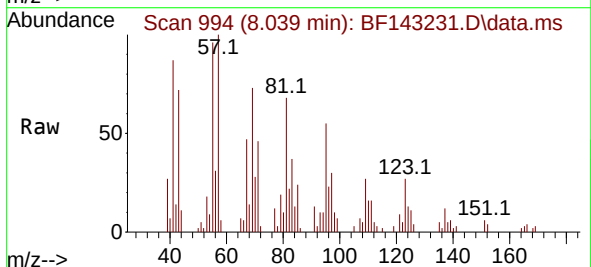
Tgt Ion:122 Resp: 2394

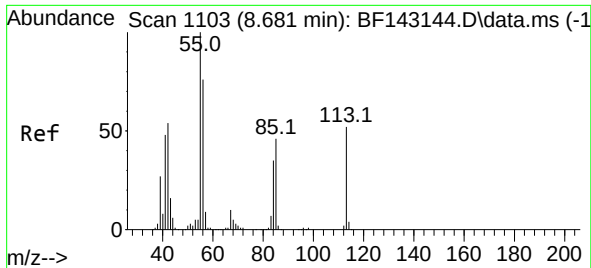
Ion Ratio Lower Upper

122 100

105 62.6 104.8 144.8#

77 226.4 77.6 117.6#

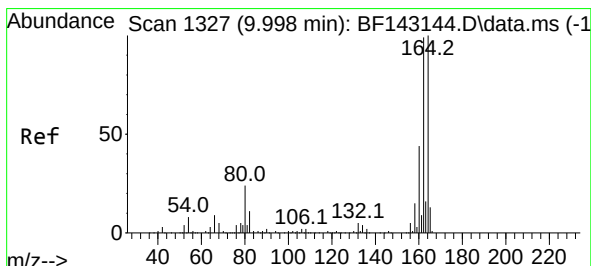
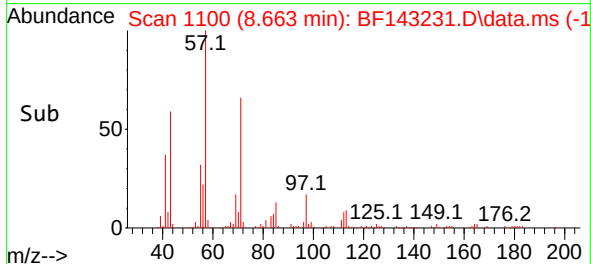
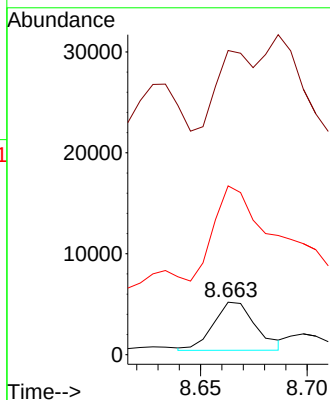
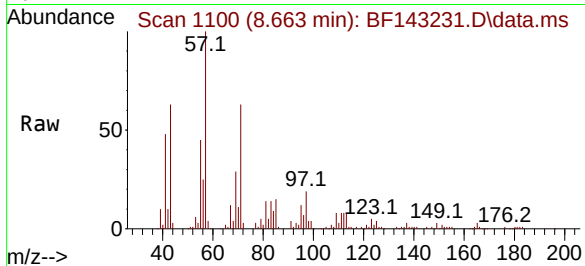




#35
Caprolactam
Concen: 3.874 ng
RT: 8.663 min Scan# 1100
Delta R.T. -0.018 min
Lab File: BF143231.D
Acq: 24 Jul 2025 14:01

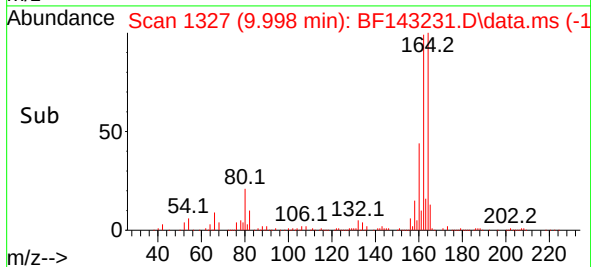
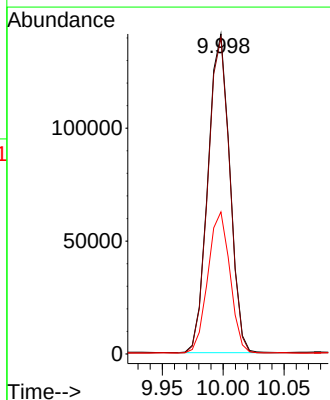
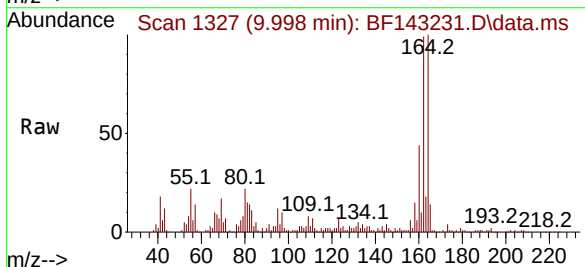
Instrument :
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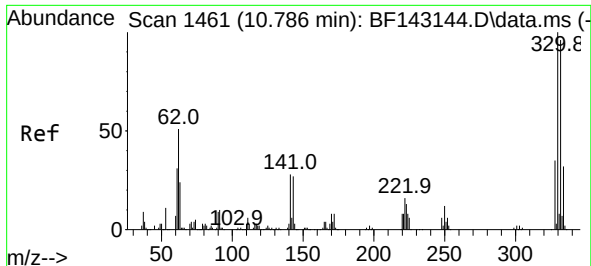
Tgt Ion:113 Resp: 6581
Ion Ratio Lower Upper
113 100
55 580.2 174.0 214.0#
56 322.1 126.6 166.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143231.D
Acq: 24 Jul 2025 14:01

Tgt Ion:164 Resp: 176231
Ion Ratio Lower Upper
164 100
162 98.9 79.0 118.6
160 44.4 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 51.918 ng

RT: 10.780 min Scan# 1461

Delta R.T. -0.006 min

Lab File: BF143231.D

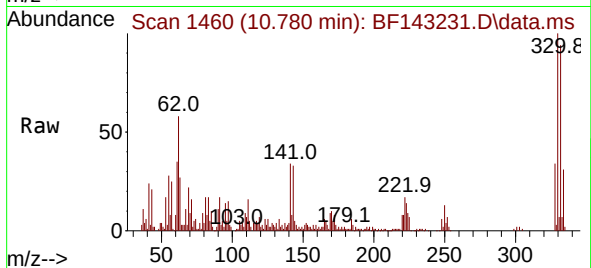
Acq: 24 Jul 2025 14:01

Instrument :

BNA_F

ClientSampleId :

TP-2



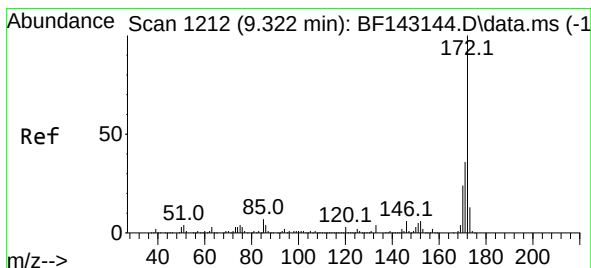
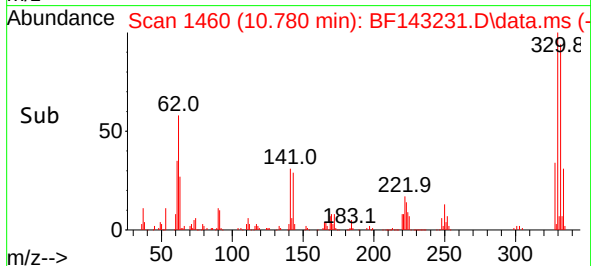
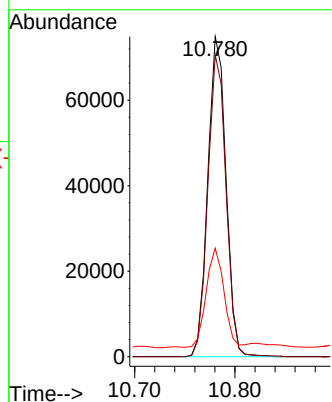
Tgt Ion:330 Resp: 94520

Ion Ratio Lower Upper

330 100

332 94.2 76.7 115.1

141 30.9 23.3 34.9



#45

2-Fluorobiphenyl

Concen: 33.243 ng

RT: 9.316 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF143231.D

Acq: 24 Jul 2025 14:01

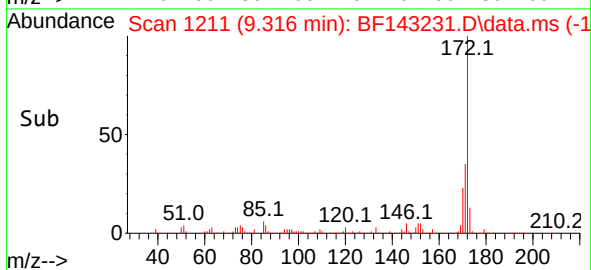
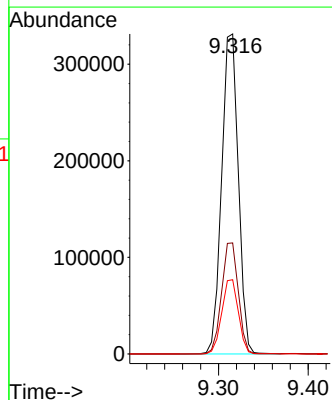
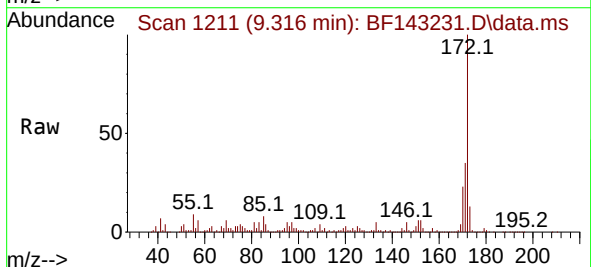
Tgt Ion:172 Resp: 428373

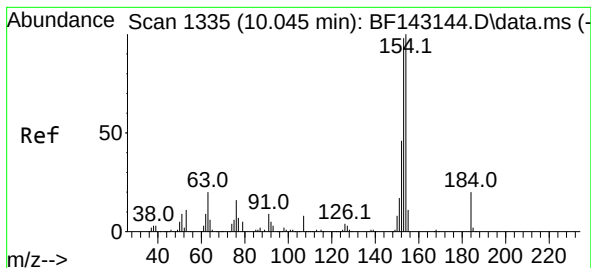
Ion Ratio Lower Upper

172 100

171 34.7 28.6 42.8

170 23.2 18.8 28.2





#54

2,4-Dinitrophenol

Concen: 6.913 ng

RT: 10.216 min Scan# 11

Delta R.T. 0.171 min

Lab File: BF143231.D

Acq: 24 Jul 2025 14:01

Instrument :

BNA_F

ClientSampleId :

TP-2

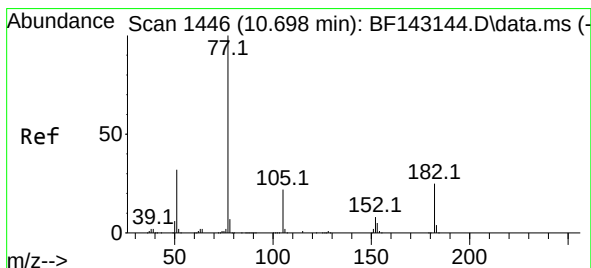
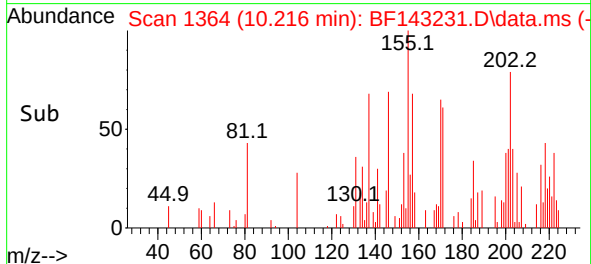
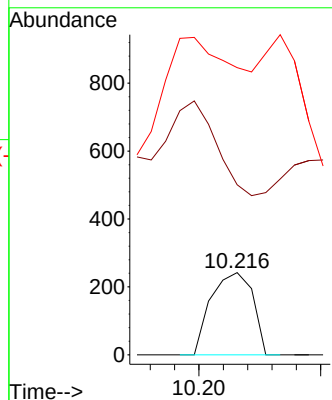
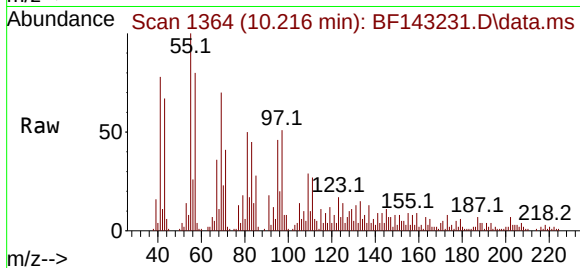
Tgt Ion:184 Resp: 288

Ion Ratio Lower Upper

184 100

63 207.0 81.8 122.6#

154 349.6 412.2 618.4#



#63

Azobenzene

Concen: 2.429 ng

RT: 10.704 min Scan# 1447

Delta R.T. 0.006 min

Lab File: BF143231.D

Acq: 24 Jul 2025 14:01

Tgt Ion: 77 Resp: 28748

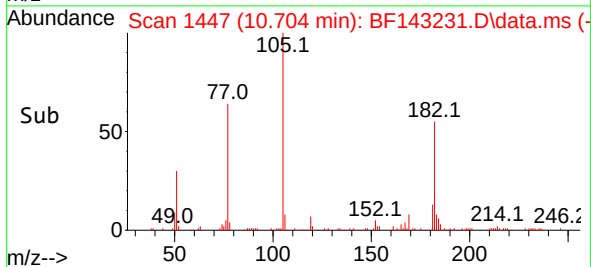
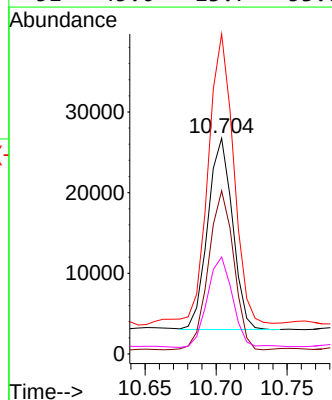
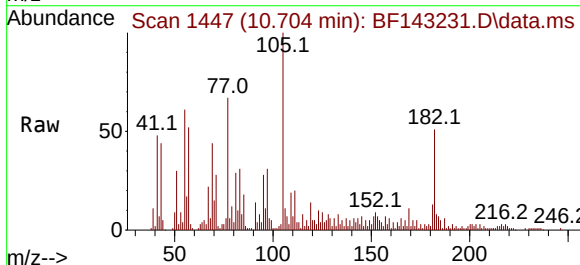
Ion Ratio Lower Upper

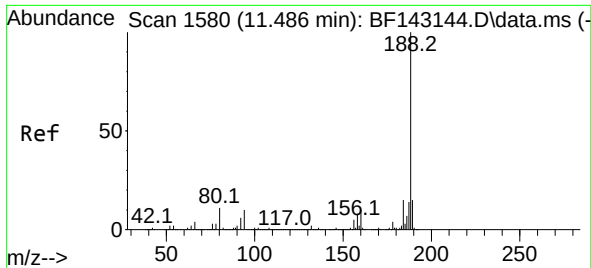
77 100

182 75.6 4.6 44.6#

105 148.4 1.4 41.4#

51 45.0 13.7 53.7

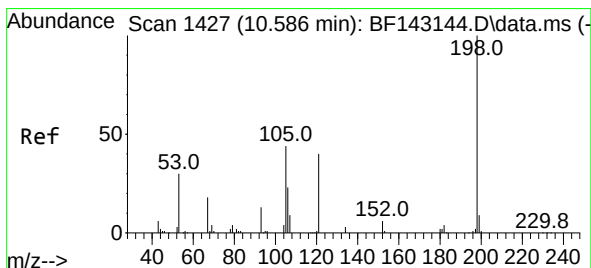
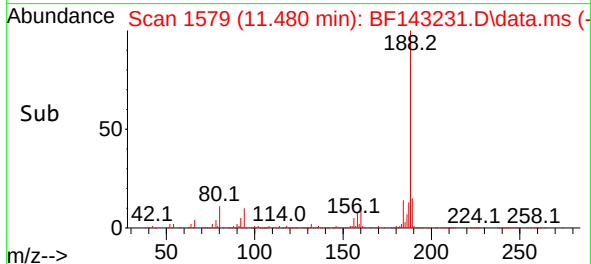
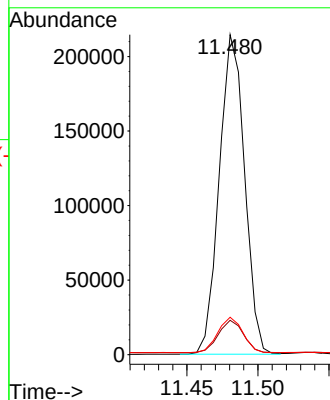
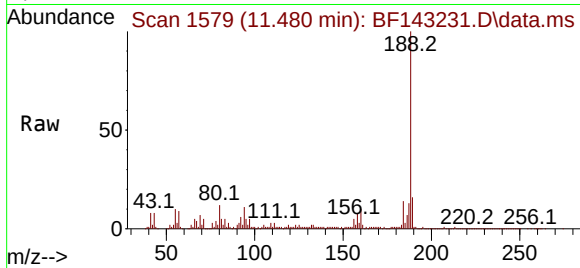




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143231.D
Acq: 24 Jul 2025 14:01

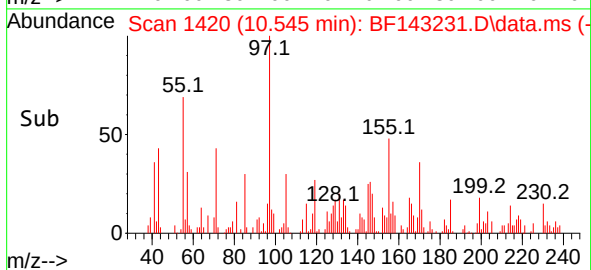
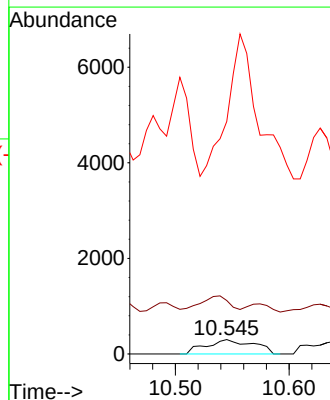
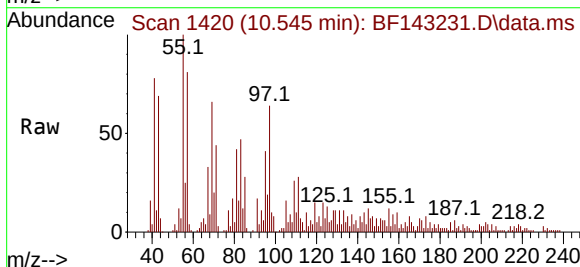
Instrument :
BNA_F
ClientSampleId :
TP-2

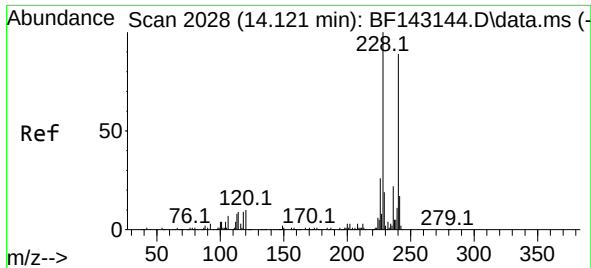
Tgt Ion:188 Resp: 265969
Ion Ratio Lower Upper
188 100
94 10.7 8.3 12.5
80 11.7 9.0 13.6



#65
4,6-Dinitro-2-methylphenol
Concen: 5.967 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.041 min
Lab File: BF143231.D
Acq: 24 Jul 2025 14:01

Tgt Ion:198 Resp: 871
Ion Ratio Lower Upper
198 100
51 373.3 37.2 77.2#
105 1621.7 24.8 64.8#

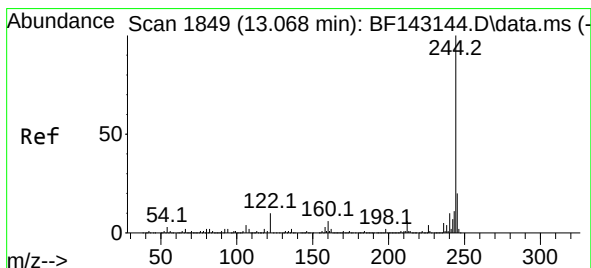
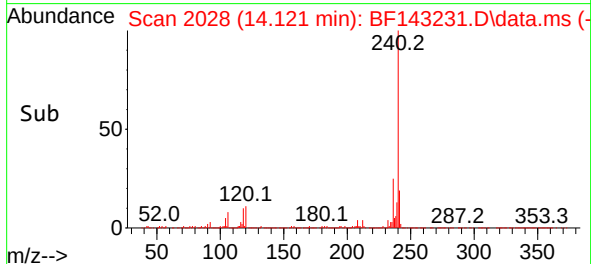
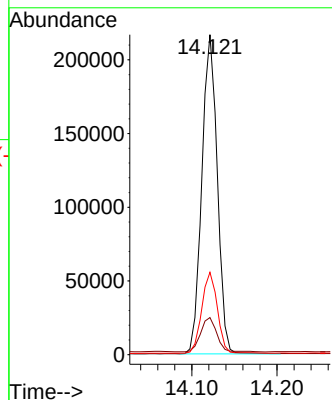
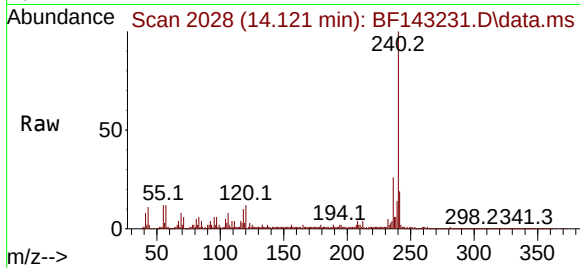




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF143231.D
Acq: 24 Jul 2025 14:01

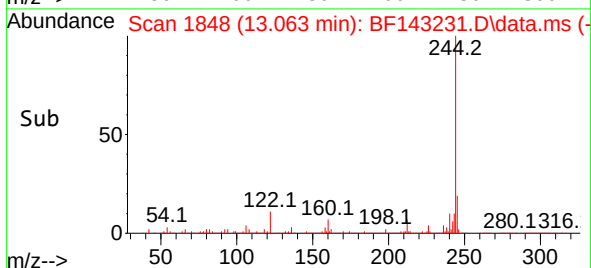
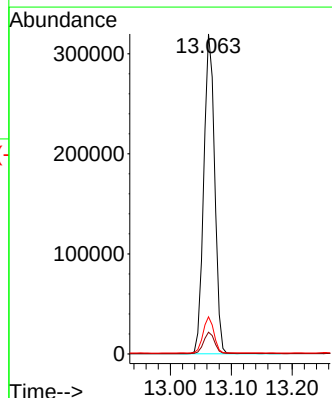
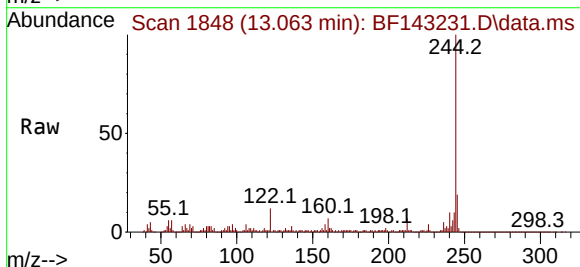
Instrument :
BNA_F
ClientSampleId :
TP-2

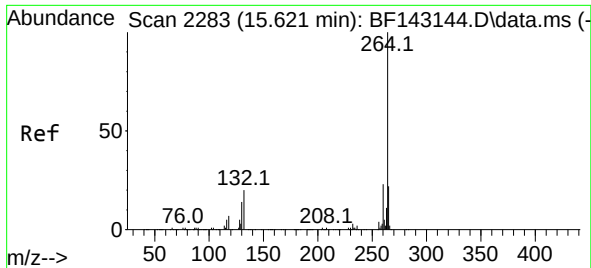
Tgt Ion:240 Resp: 272576
Ion Ratio Lower Upper
240 100
120 11.6 9.4 14.2
236 25.8 20.2 30.4



#79
Terphenyl-d14
Concen: 21.713 ng
RT: 13.063 min Scan# 1848
Delta R.T. -0.006 min
Lab File: BF143231.D
Acq: 24 Jul 2025 14:01

Tgt Ion:244 Resp: 397710
Ion Ratio Lower Upper
244 100
212 6.8 5.2 7.8
122 11.6 8.2 12.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.627 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143231.D
Acq: 24 Jul 2025 14:01

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion:264 Resp: 252249

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.5	27.7
265	22.3	17.4	26.2

