

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
 Data File : BF143462.D
 Acq On : 19 Aug 2025 17:57
 Operator : RC/JU
 Sample : Q2891-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WALL-1

Quant Time: Aug 19 18:57:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 18 04:40:19 2025
 Response via : Initial Calibration

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

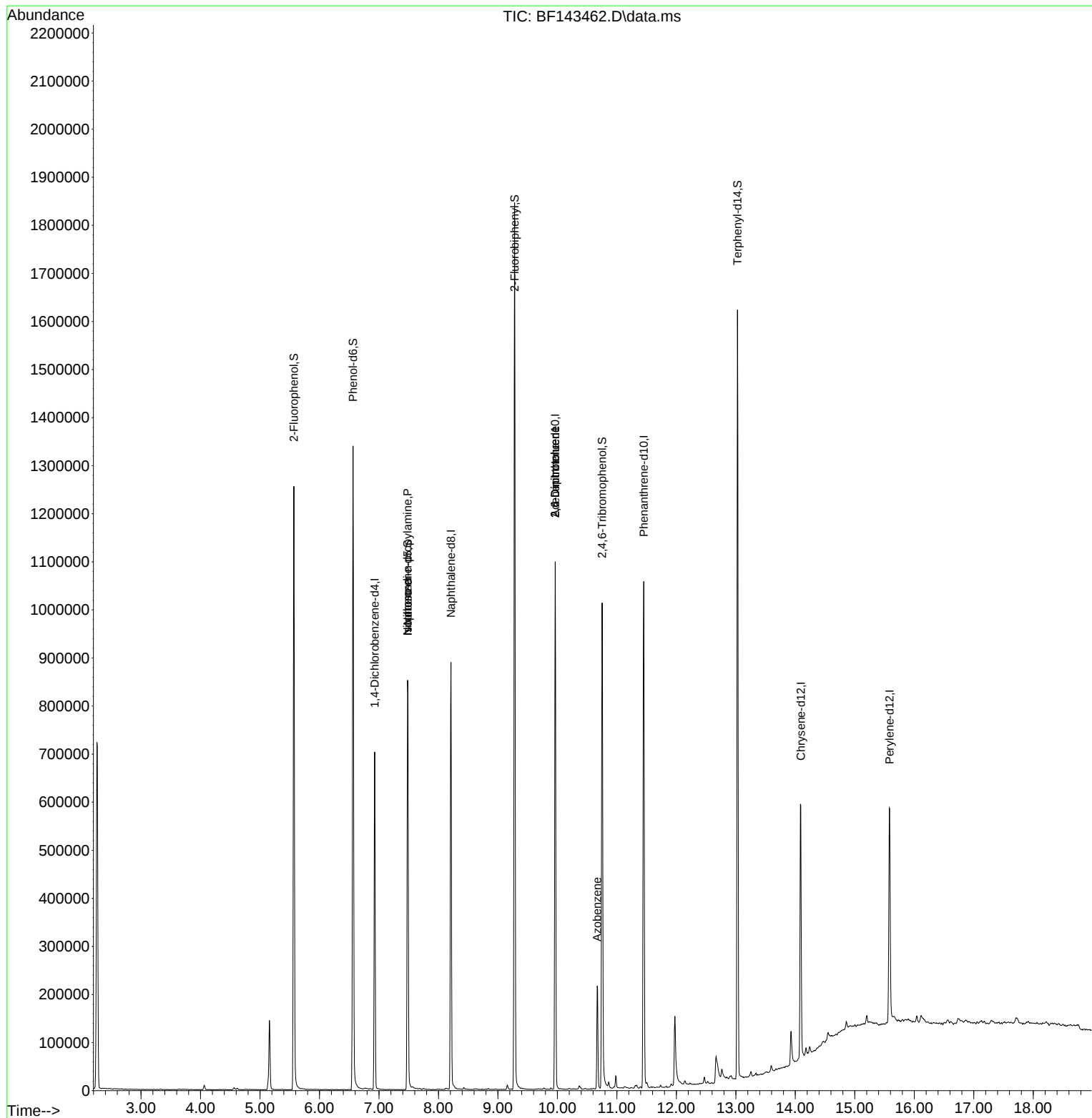
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	143047	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	568257	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	324670	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	546376	20.000	ng	0.00
76) Chrysene-d12	14.092	240	279711	20.000	ng	0.00
86) Perylene-d12	15.586	264	289666	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	453610	55.123	ng	0.01
7) Phenol-d6	6.563	99	604749	58.315	ng	0.00
23) Nitrobenzene-d5	7.481	82	387619	40.476	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	184147	63.723	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	807864	41.852	ng	0.00
79) Terphenyl-d14	13.027	244	760860	45.695	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.481	70	50345	7.842	ng	# 78
25) Isophorone	7.481	82	382382	20.863	ng	# 65
51) 2,6-Dinitrotoluene	9.963	165	41633	10.434	ng	# 24
57) 2,4-Dinitrotoluene	9.963	165	41634	7.826	ng	# 24
63) Azobenzene	10.669	77	56804	3.005	ng	# 1

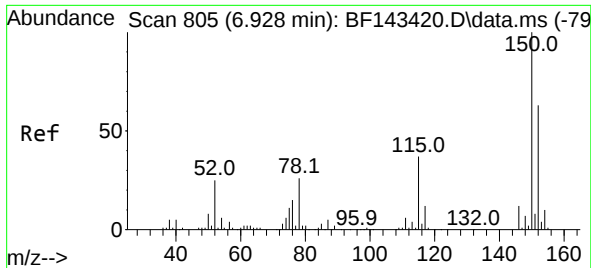
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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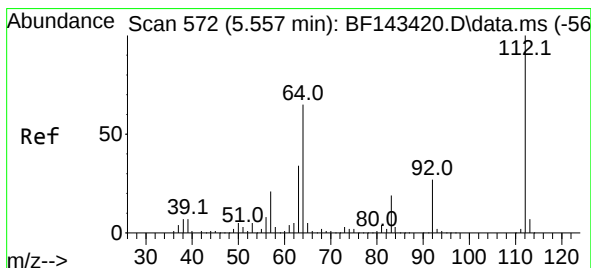
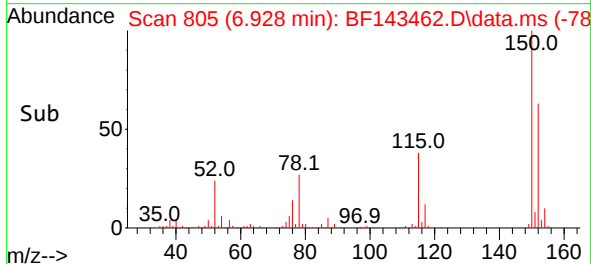
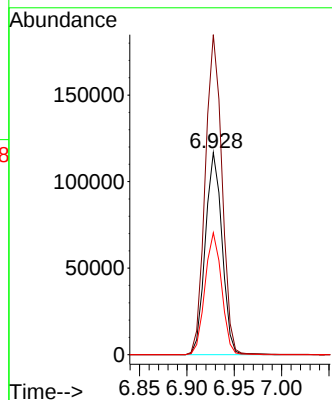
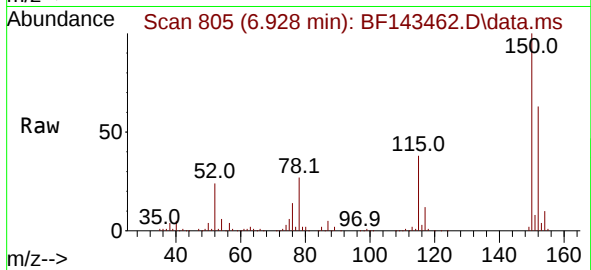




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF143462.D
 Acq: 19 Aug 2025 17:57

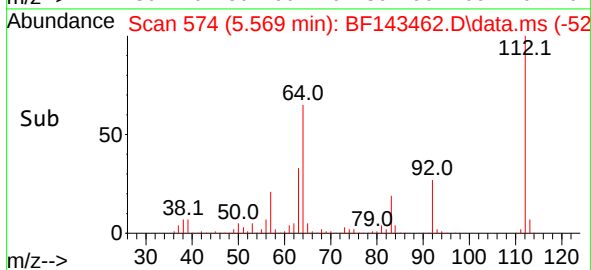
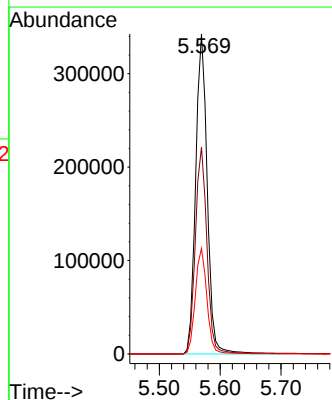
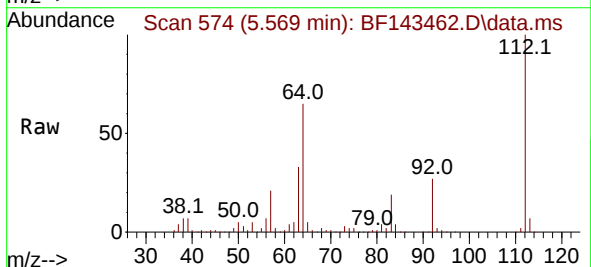
Instrument :
 BNA_F
 ClientSampleId :
 WALL-1

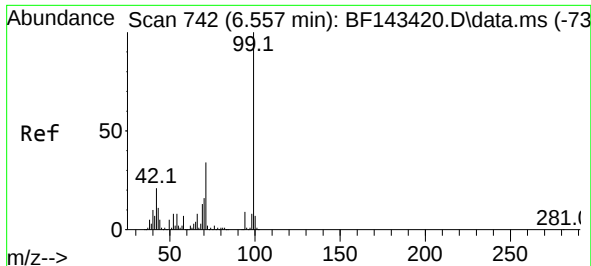
Tgt Ion:152 Resp: 143047
 Ion Ratio Lower Upper
 152 100
 150 158.3 127.4 191.2
 115 60.3 47.5 71.3



#5
 2-Fluorophenol
 Concen: 55.123 ng
 RT: 5.569 min Scan# 574
 Delta R.T. 0.012 min
 Lab File: BF143462.D
 Acq: 19 Aug 2025 17:57

Tgt Ion:112 Resp: 453610
 Ion Ratio Lower Upper
 112 100
 64 64.6 52.2 78.2
 63 33.0 27.0 40.6

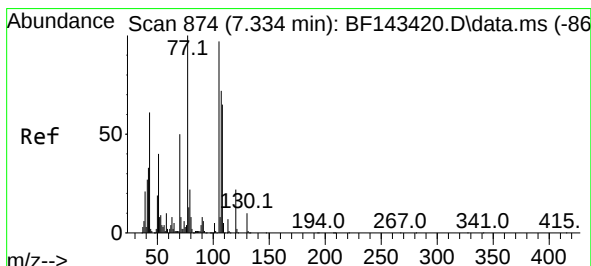
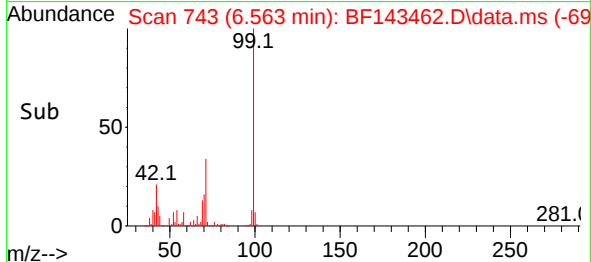
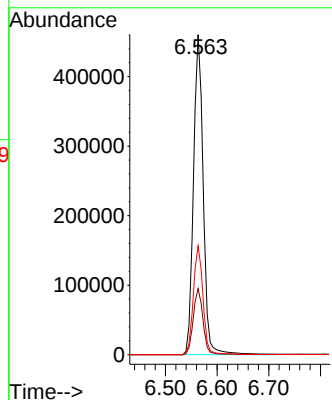
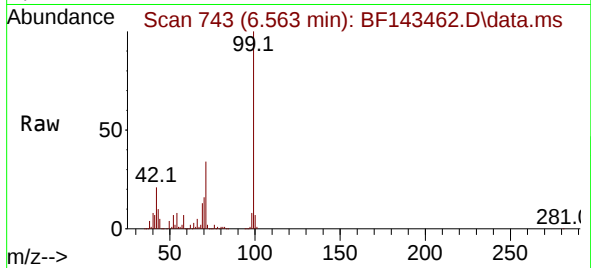




#7
Phenol-d6
Concen: 58.315 ng
RT: 6.563 min Scan# 742
Delta R.T. 0.006 min
Lab File: BF143462.D
Acq: 19 Aug 2025 17:57

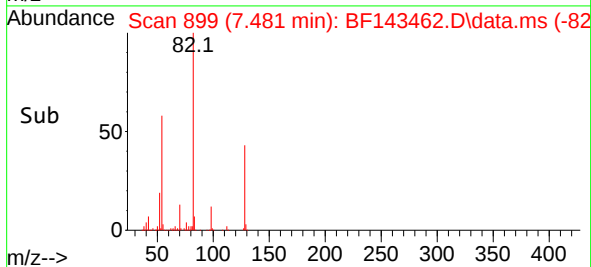
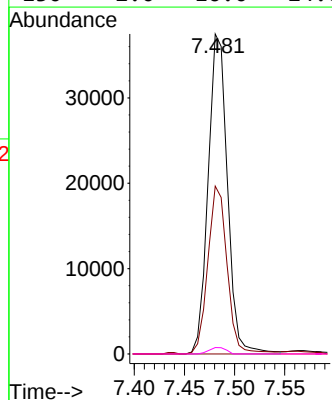
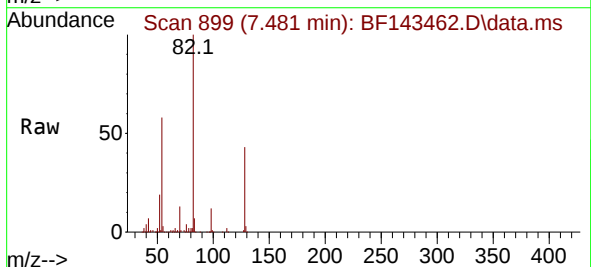
Instrument :
BNA_F
ClientSampleId :
WALL-1

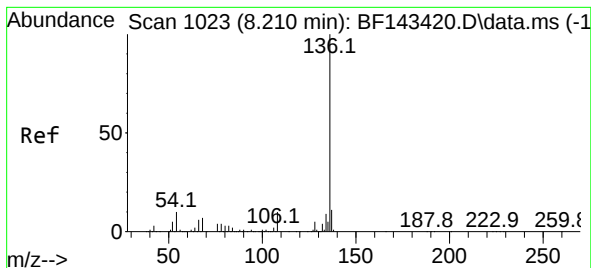
Tgt Ion: 99 Resp: 604749
Ion Ratio Lower Upper
99 100
42 20.7 17.0 25.6
71 34.0 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 7.842 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.147 min
Lab File: BF143462.D
Acq: 19 Aug 2025 17:57

Tgt Ion: 70 Resp: 50345
Ion Ratio Lower Upper
70 100
42 52.4 52.5 78.7#
101 0.0 7.9 11.9#
130 2.0 16.0 24.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.210 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143462.D

Acq: 19 Aug 2025 17:57

Instrument :

BNA_F

ClientSampleId :

WALL-1

Tgt Ion:136 Resp: 568257

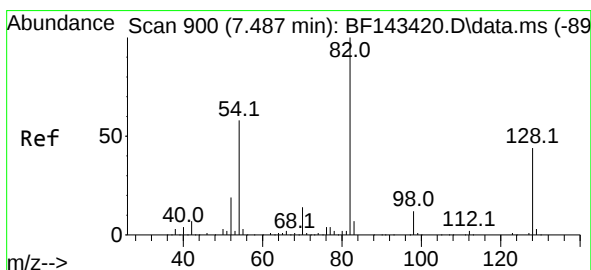
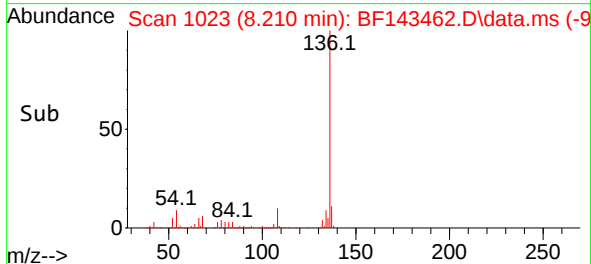
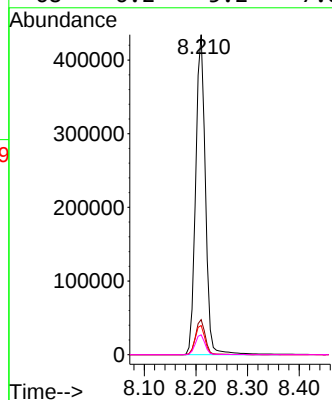
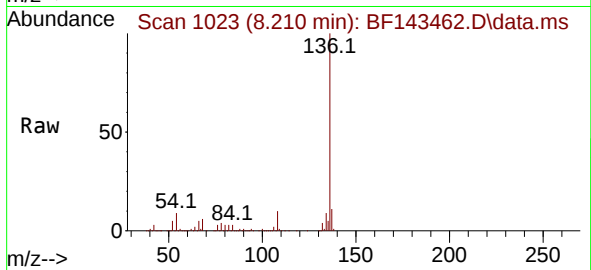
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 9.1 7.8 11.8

68 6.2 5.2 7.8



#23

Nitrobenzene-d5

Concen: 40.476 ng

RT: 7.481 min Scan# 899

Delta R.T. -0.006 min

Lab File: BF143462.D

Acq: 19 Aug 2025 17:57

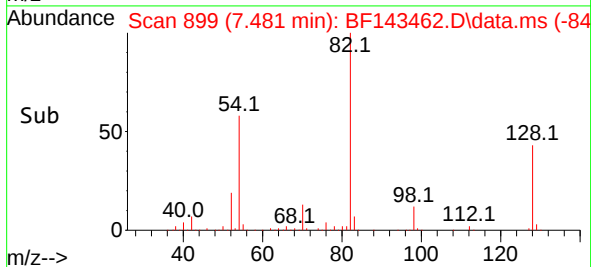
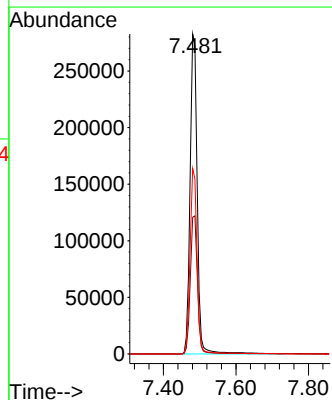
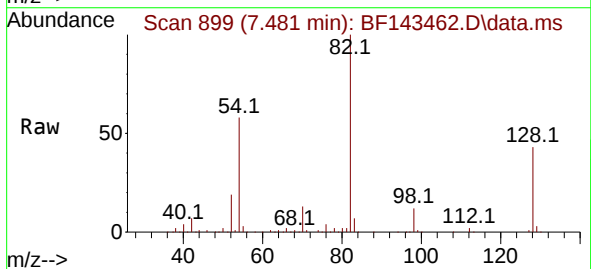
Tgt Ion: 82 Resp: 387619

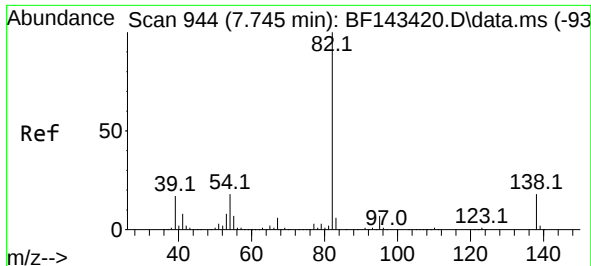
Ion Ratio Lower Upper

82 100

128 42.8 34.6 52.0

54 58.0 46.0 69.0

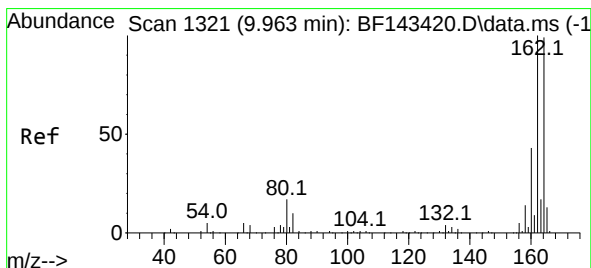
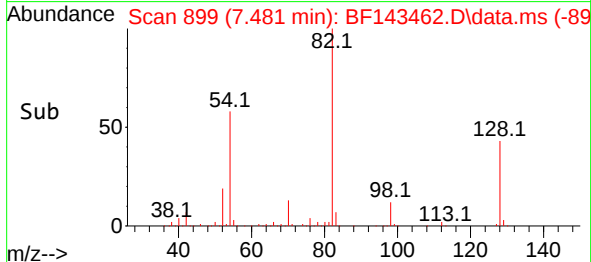
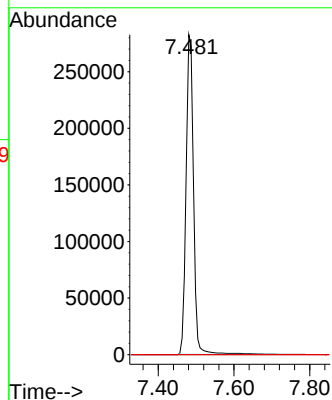
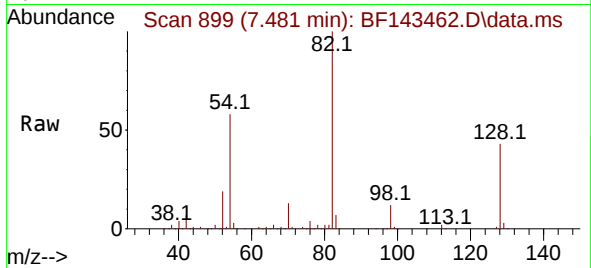




#25
Isophorone
Concen: 20.863 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.265 min
Lab File: BF143462.D
Acq: 19 Aug 2025 17:57

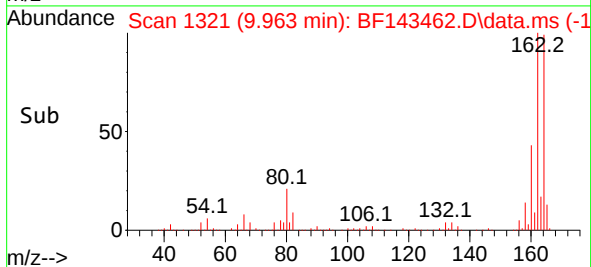
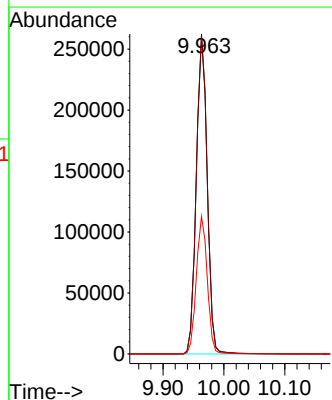
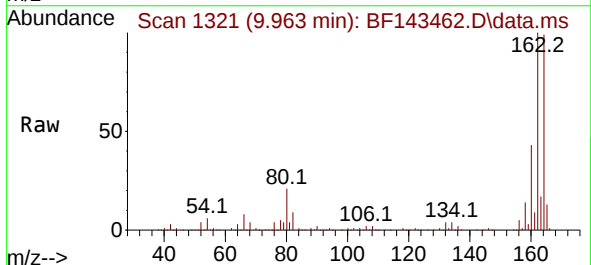
Instrument :
BNA_F
ClientSampleId :
WALL-1

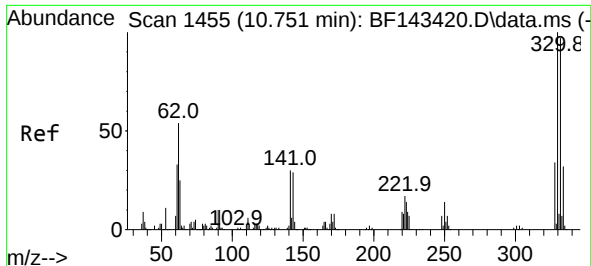
Tgt Ion: 82 Resp: 382382
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.3 21.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BF143462.D
Acq: 19 Aug 2025 17:57

Tgt Ion:164 Resp: 324670
Ion Ratio Lower Upper
164 100
162 100.8 80.6 121.0
160 43.3 34.6 51.8





#42

2,4,6-Tribromophenol

Concen: 63.723 ng

RT: 10.751 min Scan# 1455

Delta R.T. -0.000 min

Lab File: BF143462.D

Acq: 19 Aug 2025 17:57

Instrument :

BNA_F

ClientSampleId :

WALL-1

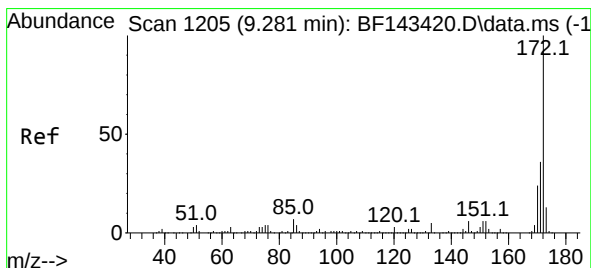
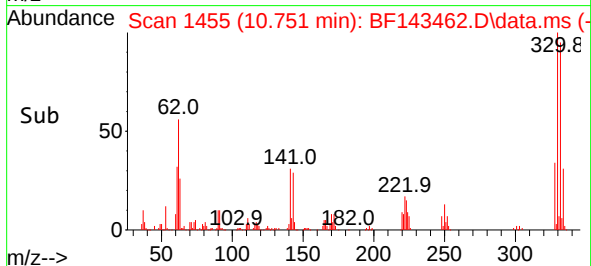
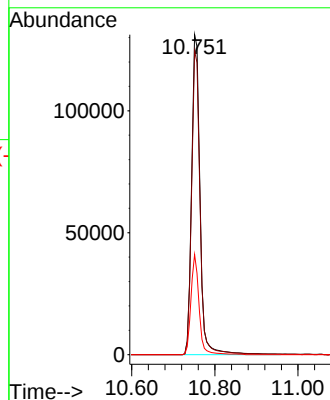
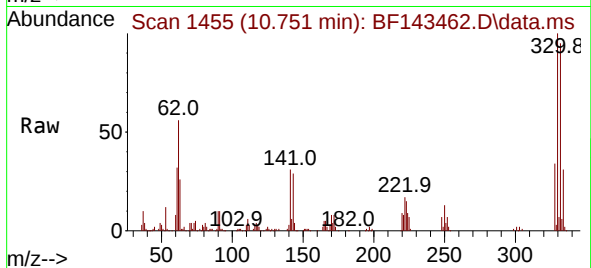
Tgt Ion:330 Resp: 184147

Ion Ratio Lower Upper

330 100

332 95.4 77.4 116.2

141 30.2 24.1 36.1



#45

2-Fluorobiphenyl

Concen: 41.852 ng

RT: 9.281 min Scan# 1205

Delta R.T. -0.000 min

Lab File: BF143462.D

Acq: 19 Aug 2025 17:57

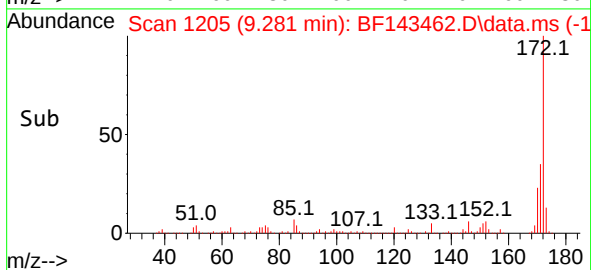
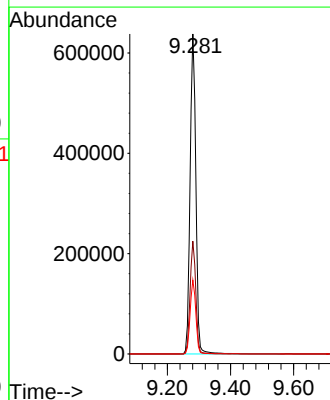
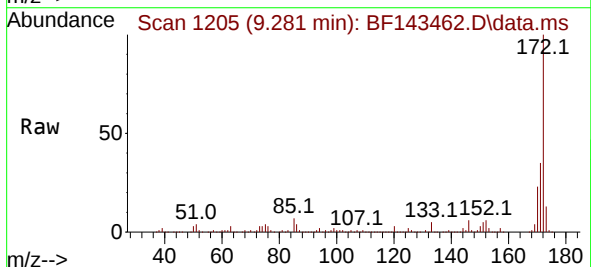
Tgt Ion:172 Resp: 807864

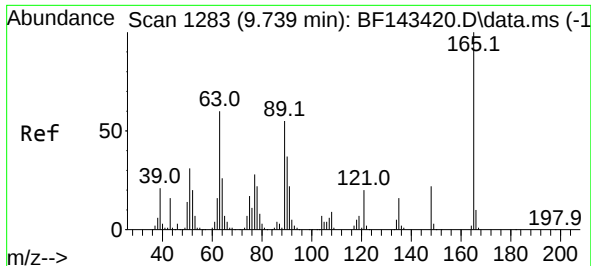
Ion Ratio Lower Upper

172 100

171 35.3 28.7 43.1

170 23.1 19.0 28.6

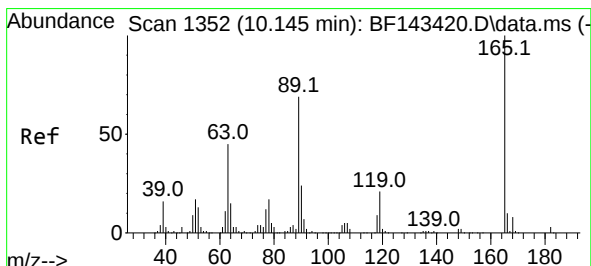
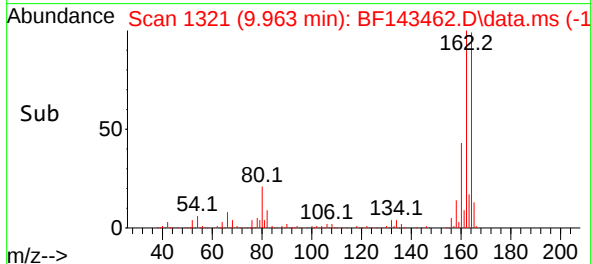
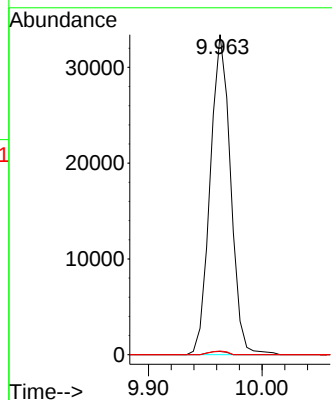
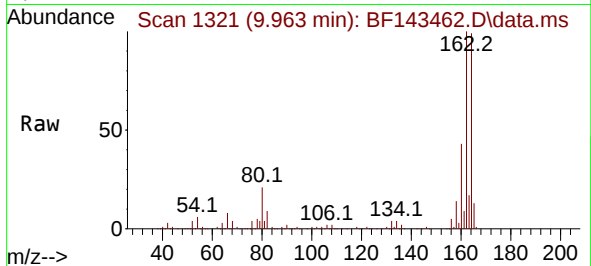




#51
2,6-Dinitrotoluene
Concen: 10.434 ng
RT: 9.963 min Scan# 11
Delta R.T. 0.223 min
Lab File: BF143462.D
Acq: 19 Aug 2025 17:57

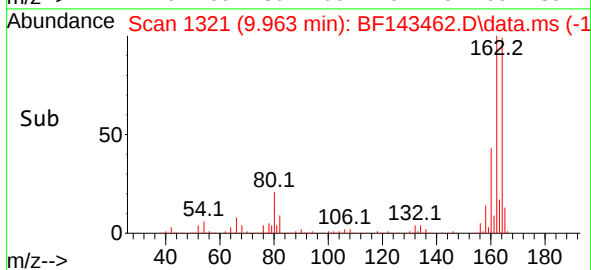
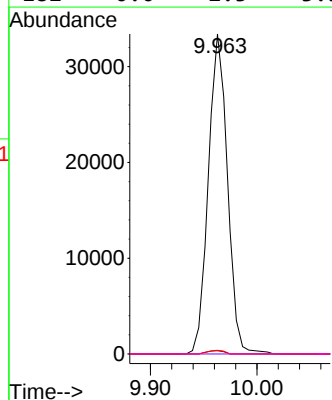
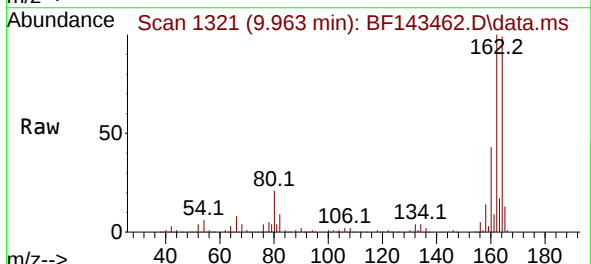
Instrument :
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WALL-1

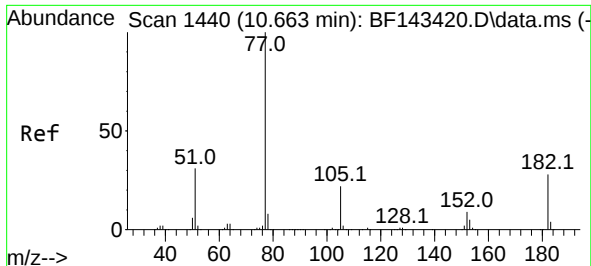
Tgt Ion:165 Resp: 41633
Ion Ratio Lower Upper
165 100
63 1.0 48.2 72.2#
89 1.2 44.2 66.2#



#57
2,4-Dinitrotoluene
Concen: 7.826 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.182 min
Lab File: BF143462.D
Acq: 19 Aug 2025 17:57

Tgt Ion:165 Resp: 41634
Ion Ratio Lower Upper
165 100
63 1.0 37.0 55.6#
89 1.2 55.4 83.0#
182 0.0 2.3 3.5#

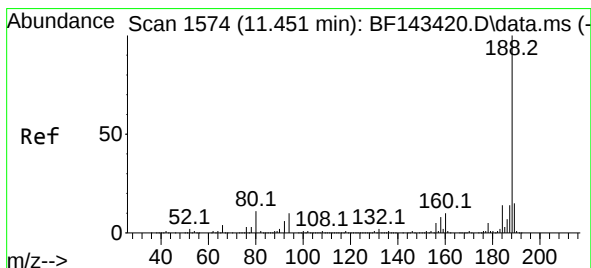
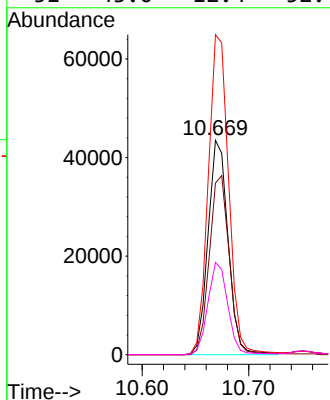
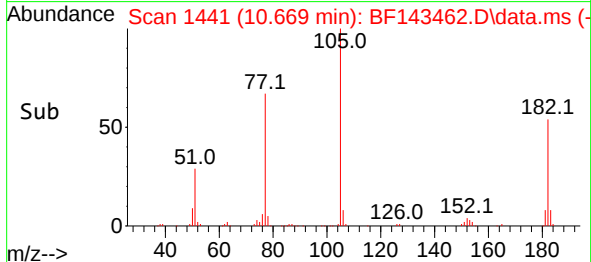
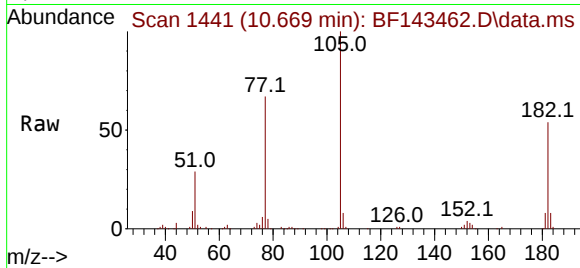




#63
Azobenzene
Concen: 3.005 ng
RT: 10.669 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143462.D
Acq: 19 Aug 2025 17:57

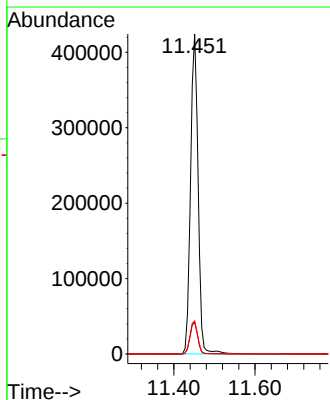
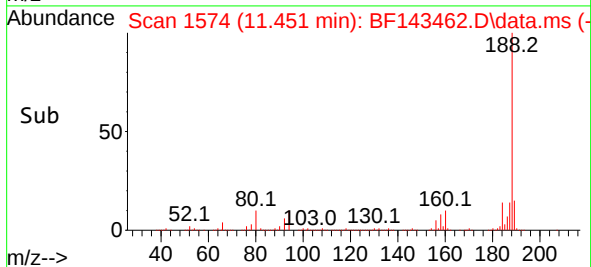
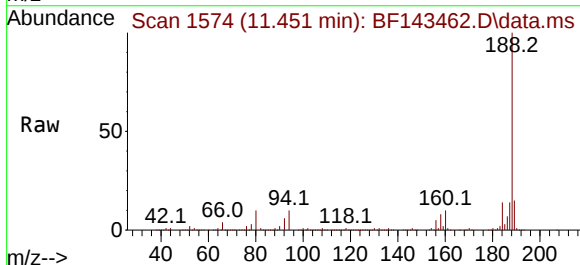
Instrument :
BNA_F
ClientSampleId :
WALL-1

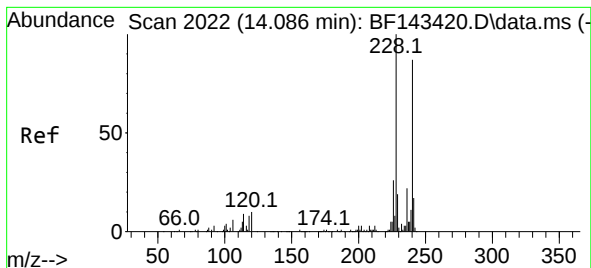
Tgt Ion: 77 Resp: 56804
Ion Ratio Lower Upper
77 100
182 80.0 7.4 47.4#
105 149.2 1.7 41.7#
51 43.0 12.4 52.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF143462.D
Acq: 19 Aug 2025 17:57

Tgt Ion: 188 Resp: 546376
Ion Ratio Lower Upper
188 100
94 9.8 8.0 12.0
80 10.4 8.6 12.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.092 min Scan# 2022

Delta R.T. 0.006 min

Lab File: BF143462.D

Acq: 19 Aug 2025 17:57

Instrument :

BNA_F

ClientSampleId :

WALL-1

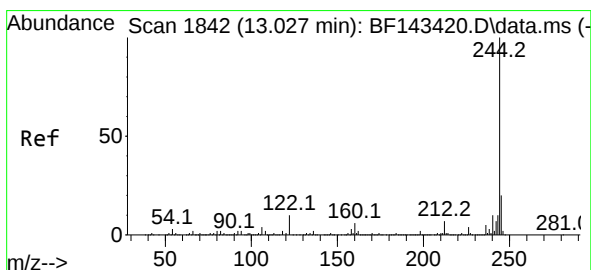
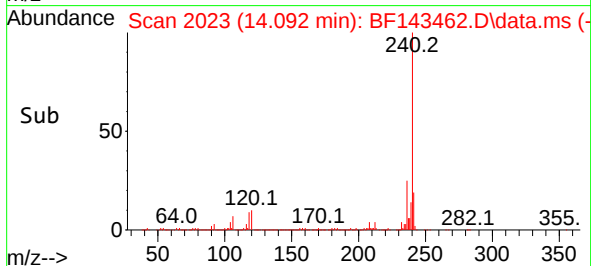
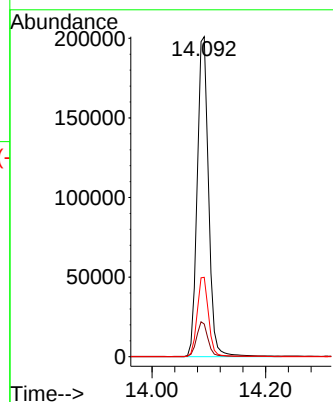
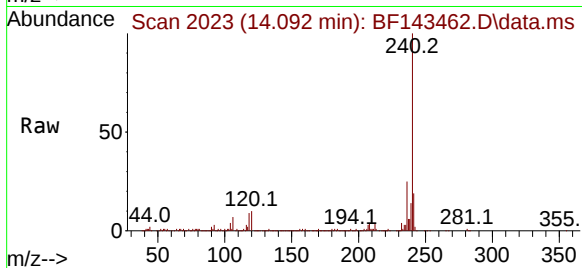
Tgt Ion:240 Resp: 279711

Ion Ratio Lower Upper

240 100

120 10.2 9.0 13.4

236 24.8 20.2 30.2



#79

Terphenyl-d14

Concen: 45.695 ng

RT: 13.027 min Scan# 1842

Delta R.T. -0.000 min

Lab File: BF143462.D

Acq: 19 Aug 2025 17:57

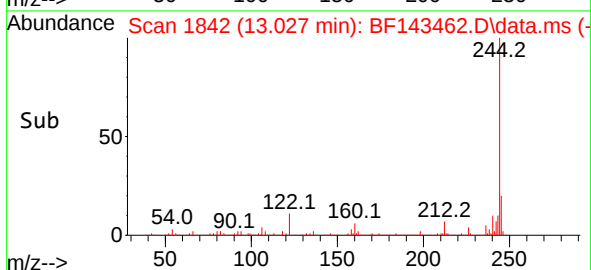
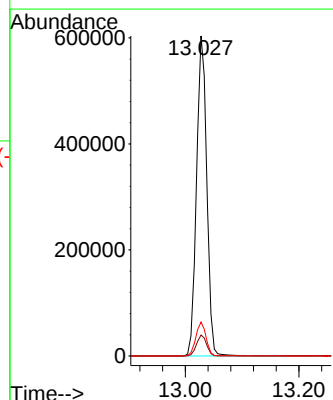
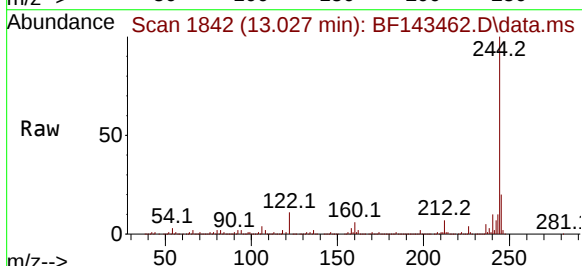
Tgt Ion:244 Resp: 760860

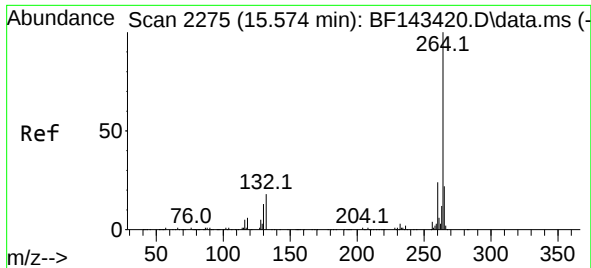
Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

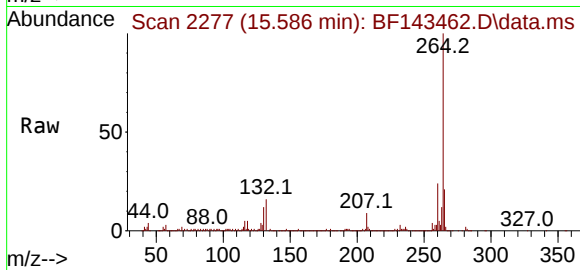
122 10.6 8.3 12.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.586 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF143462.D
Acq: 19 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
WALL-1



Tgt Ion:264 Resp: 289666
Ion Ratio Lower Upper
264 100
260 23.7 18.8 28.2
265 21.3 17.4 26.0

