

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143502.D
 Acq On : 21 Aug 2025 00:00
 Operator : RC/JU
 Sample : Q2815-12
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-22M-S

Quant Time: Aug 21 02:08:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

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

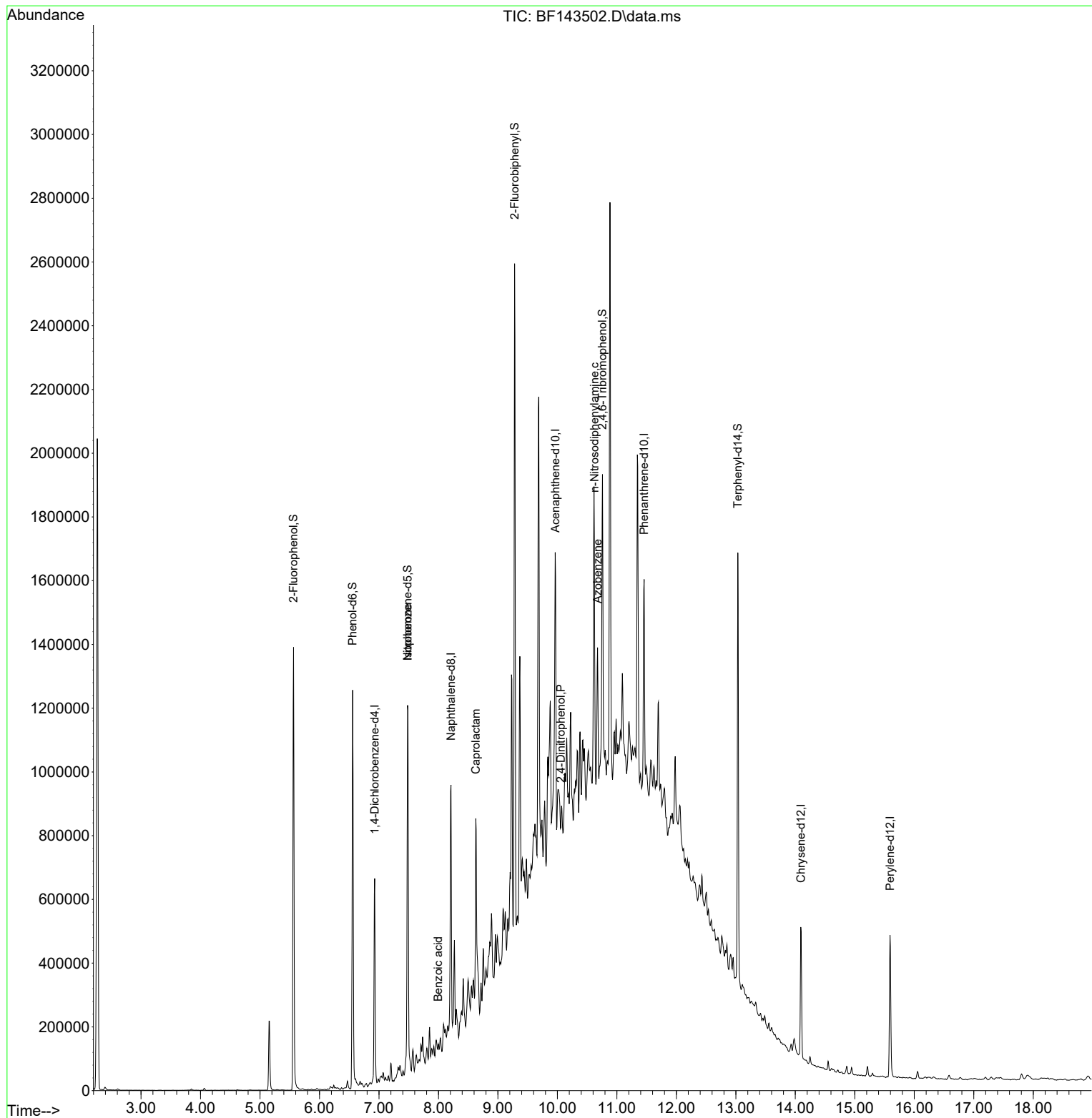
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	131776	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	484366	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	235399	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	314699	20.000	ng	0.00
76) Chrysene-d12	14.092	240	215069	20.000	ng	-0.01
86) Perylene-d12	15.592	264	267410	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	507155	67.203	ng	0.00
7) Phenol-d6	6.557	99	559763	60.087	ng	-0.02
23) Nitrobenzene-d5	7.481	82	521166	62.788	ng	-0.02
42) 2,4,6-Tribromophenol	10.757	330	193627	88.365	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	922326	64.754	ng	0.00
79) Terphenyl-d14	13.033	244	656359	53.256	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.481	82	467789	30.745	ng	# 66
32) Benzoic acid	7.992	122	4375	6.918	ng	# 59
35) Caprolactam	8.628	113	16603	9.931	ng	# 1
54) 2,4-Dinitrophenol	10.057	184	287	5.464	ng	# 1
63) Azobenzene	10.675	77	103848	7.879	ng	# 1
66) n-Nitrosodiphenylamine	10.622	169	39682	3.918	ng	# 46

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

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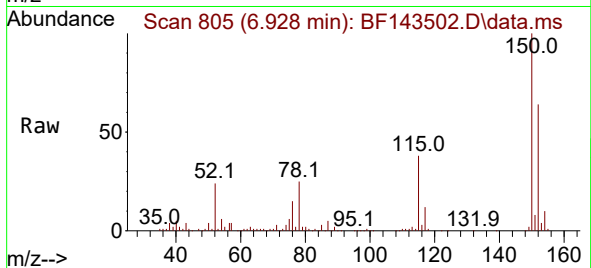
Quant Time: Aug 21 02:08:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
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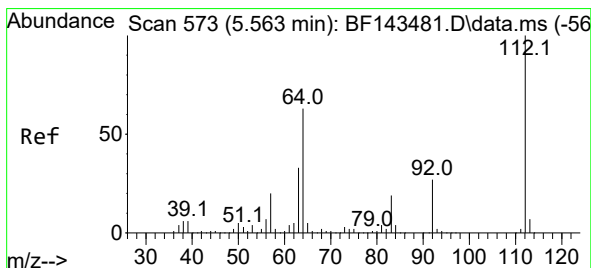
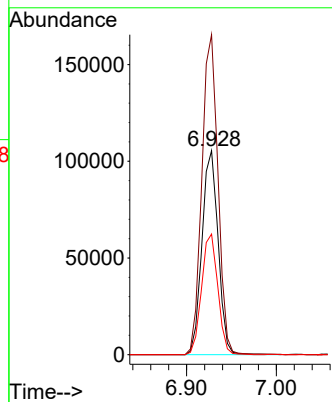
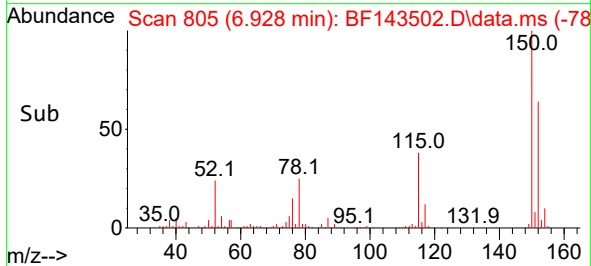


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143502.D
Acq: 21 Aug 2025 00:00

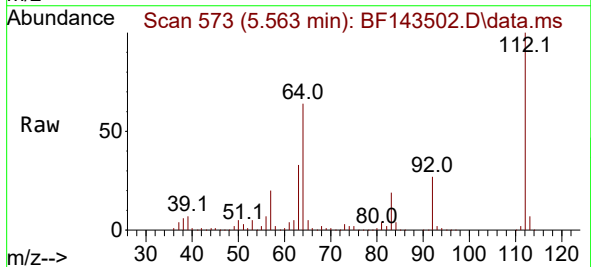
Instrument :
BNA_F
ClientSampleId :
TW-22M-S



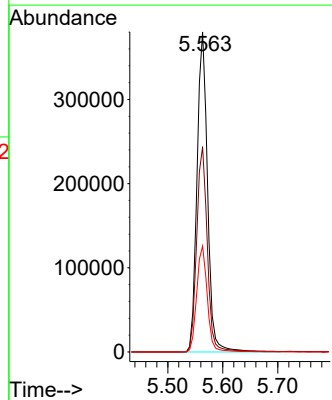
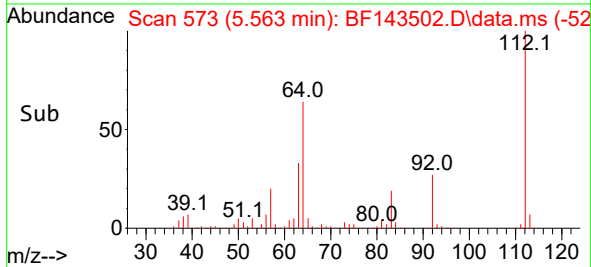
Tgt Ion:152 Resp: 131776
Ion Ratio Lower Upper
152 100
150 156.9 128.9 193.3
115 59.2 49.2 73.8

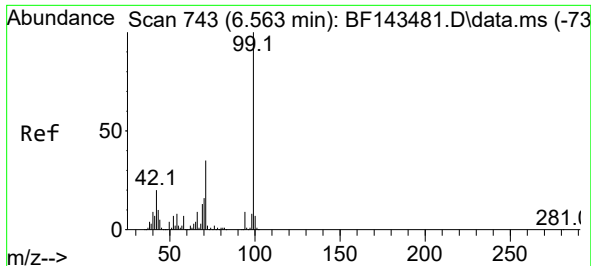


#5
2-Fluorophenol
Concen: 67.203 ng
RT: 5.563 min Scan# 573
Delta R.T. -0.000 min
Lab File: BF143502.D
Acq: 21 Aug 2025 00:00



Tgt Ion:112 Resp: 507155
Ion Ratio Lower Upper
112 100
64 64.2 50.4 75.6
63 33.1 26.4 39.6

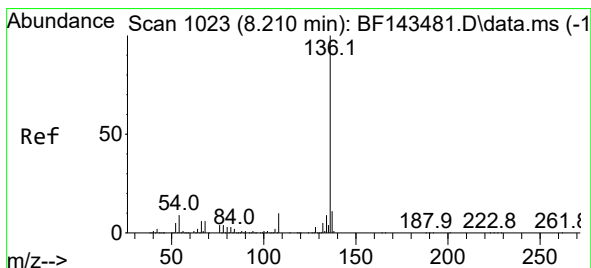
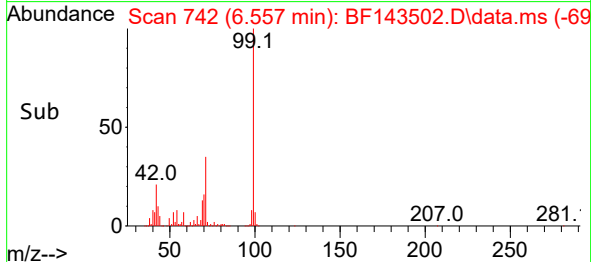
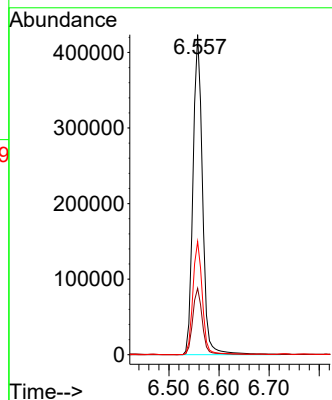
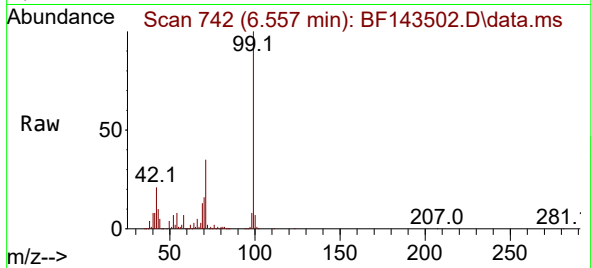




#7
Phenol-d6
Concen: 60.087 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF143502.D
Acq: 21 Aug 2025 00:00

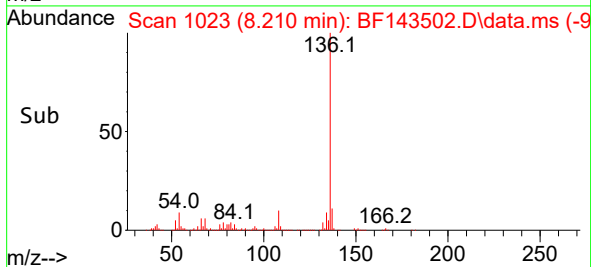
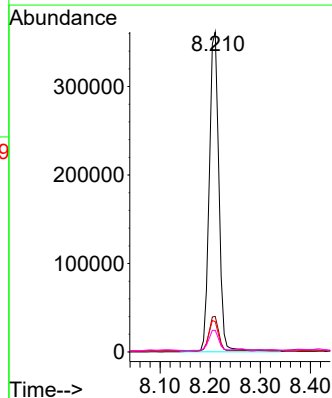
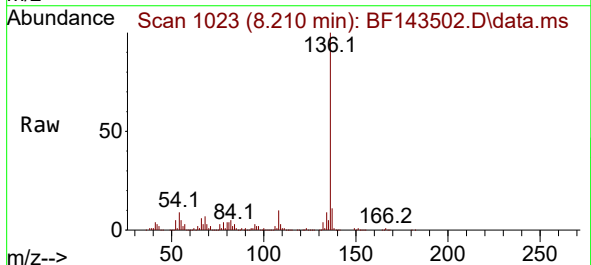
Instrument :
BNA_F
ClientSampleId :
TW-22M-S

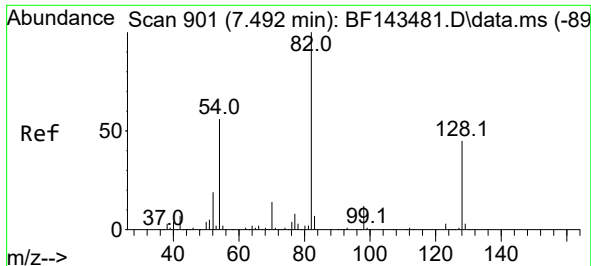
Tgt Ion: 99 Resp: 559763
Ion Ratio Lower Upper
99 100
42 20.7 16.3 24.5
71 35.4 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143502.D
Acq: 21 Aug 2025 00:00

Tgt Ion: 136 Resp: 484366
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 9.5 7.4 11.2
68 6.7 5.0 7.4

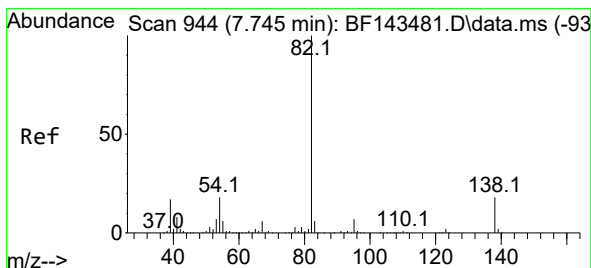
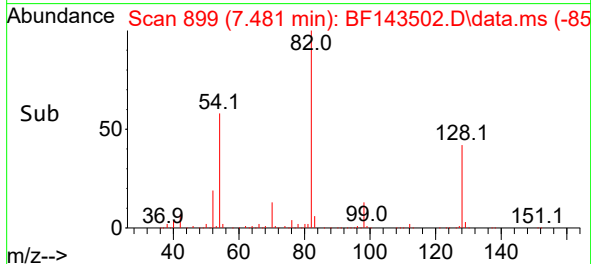
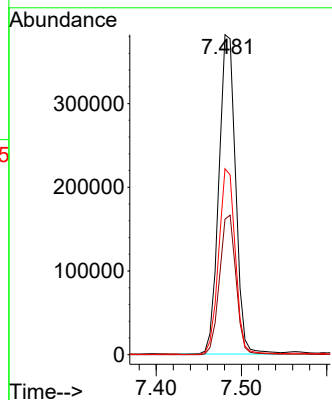
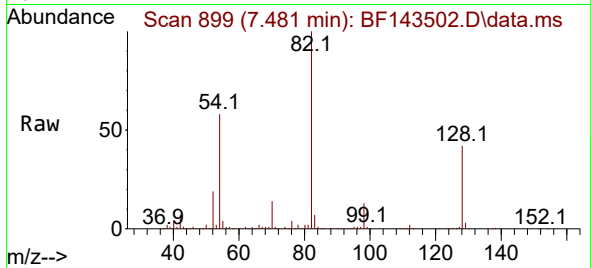




#23
Nitrobenzene-d5
Concen: 62.788 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.018 min
Lab File: BF143502.D
Acq: 21 Aug 2025 00:00

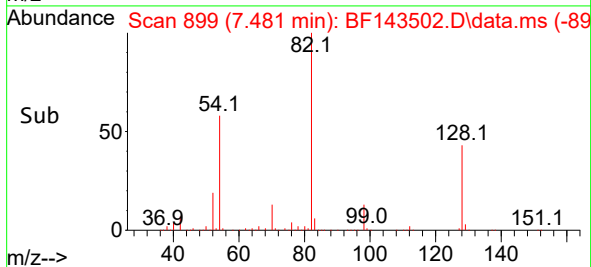
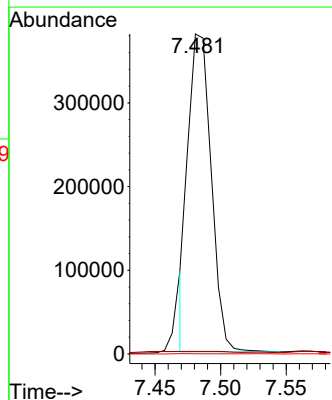
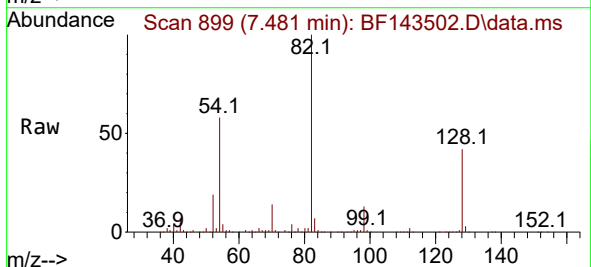
Instrument :
BNA_F
ClientSampleId :
TW-22M-S

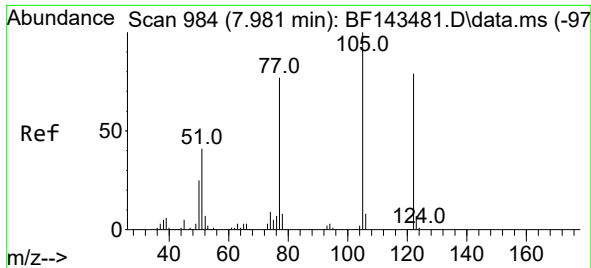
Tgt Ion: 82 Resp: 521166
Ion Ratio Lower Upper
82 100
128 42.4 35.5 53.3
54 58.1 44.3 66.5



#25
Isophorone
Concen: 30.745 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.276 min
Lab File: BF143502.D
Acq: 21 Aug 2025 00:00

Tgt Ion: 82 Resp: 467789
Ion Ratio Lower Upper
82 100
95 0.8 5.8 8.8#
138 0.1 14.2 21.4#

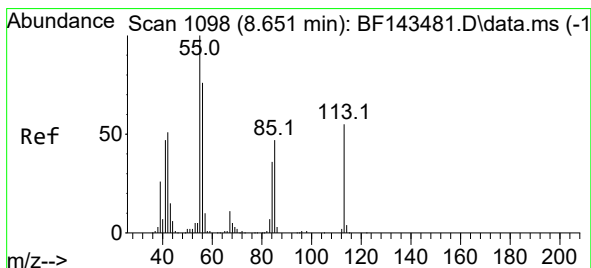
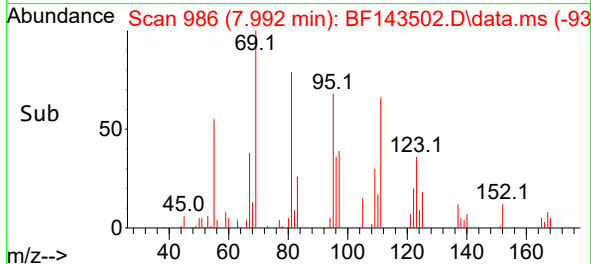
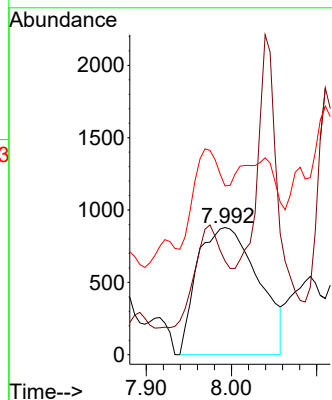
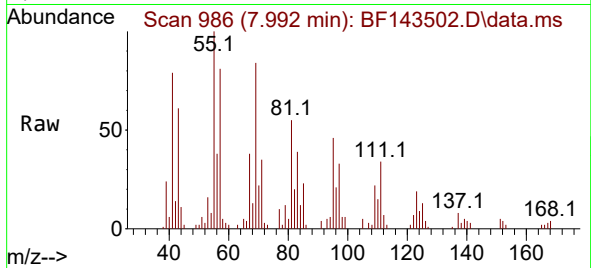




#32
Benzoic acid
Concen: 6.918 ng
RT: 7.992 min Scan# 91
Delta R.T. -0.018 min
Lab File: BF143502.D
Acq: 21 Aug 2025 00:00

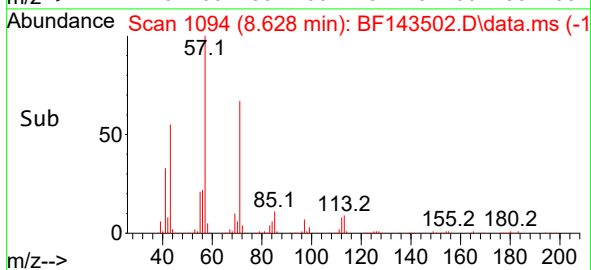
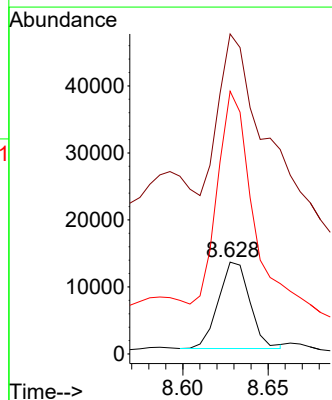
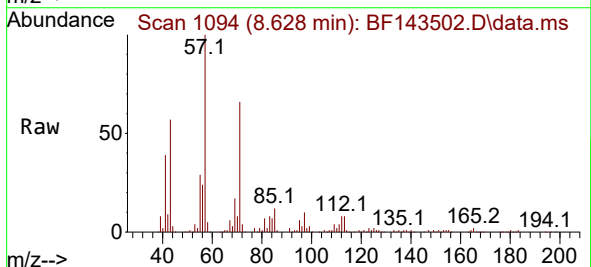
Instrument :
BNA_F
ClientSampleId :
TW-22M-S

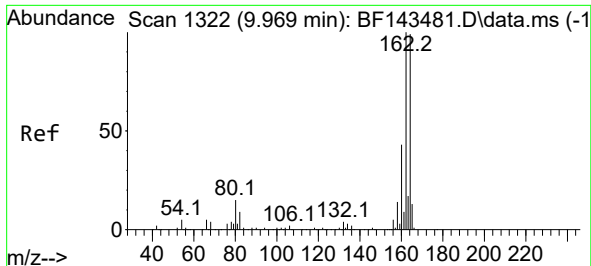
Tgt Ion:122 Resp: 4375
Ion Ratio Lower Upper
122 100
105 73.7 104.7 144.7#
77 132.8 77.3 117.3#



#35
Caprolactam
Concen: 9.931 ng
RT: 8.628 min Scan# 1094
Delta R.T. -0.047 min
Lab File: BF143502.D
Acq: 21 Aug 2025 00:00

Tgt Ion:113 Resp: 16603
Ion Ratio Lower Upper
113 100
55 348.2 162.8 202.8#
56 285.9 118.1 158.1#

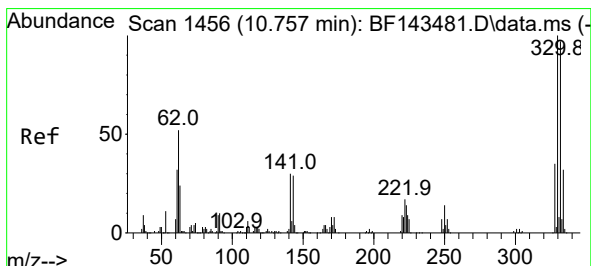
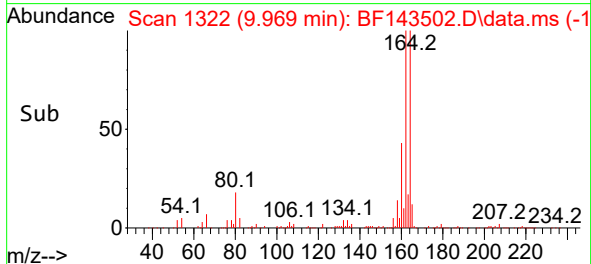
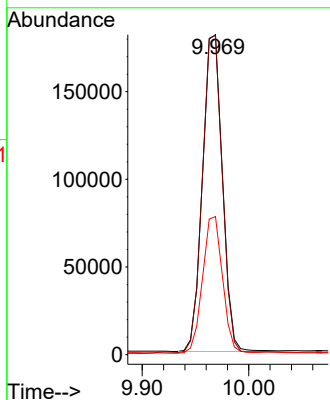
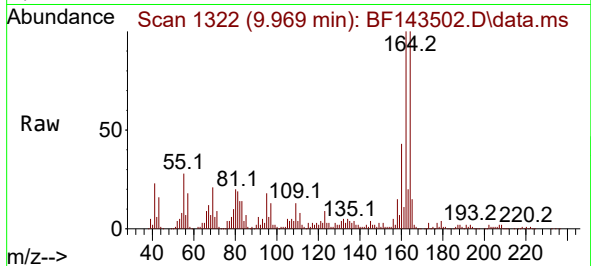




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BF143502.D
Acq: 21 Aug 2025 00:00

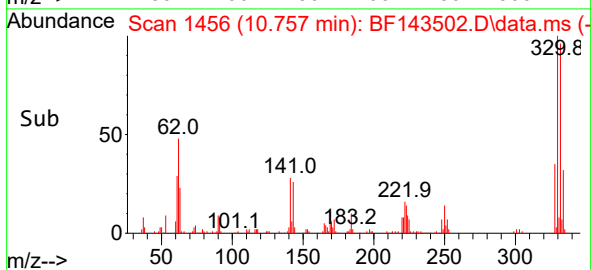
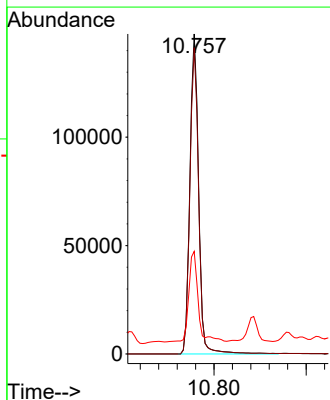
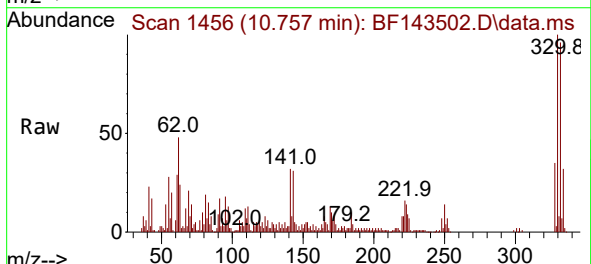
Instrument :
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ClientSampleId :
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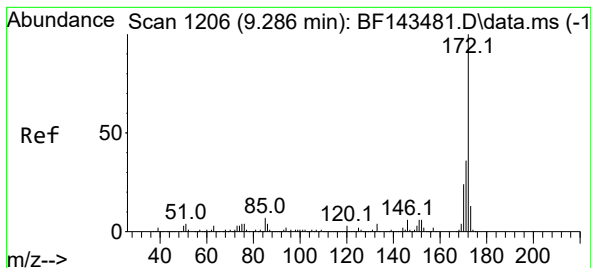
Tgt Ion:164 Resp: 235399
Ion Ratio Lower Upper
164 100
162 99.7 80.5 120.7
160 43.2 34.3 51.5



#42
2,4,6-Tribromophenol
Concen: 88.365 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143502.D
Acq: 21 Aug 2025 00:00

Tgt Ion:330 Resp: 193627
Ion Ratio Lower Upper
330 100
332 95.6 78.0 117.0
141 30.1 23.7 35.5





#45

2-Fluorobiphenyl

Concen: 64.754 ng

RT: 9.281 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143502.D

Acq: 21 Aug 2025 00:00

Instrument :

BNA_F

ClientSampleId :

TW-22M-S

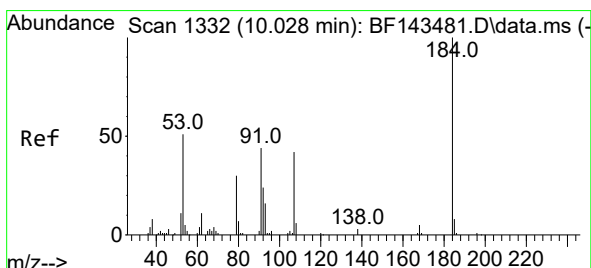
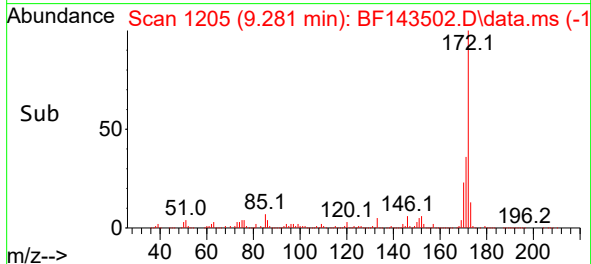
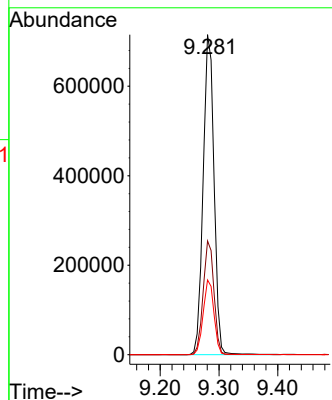
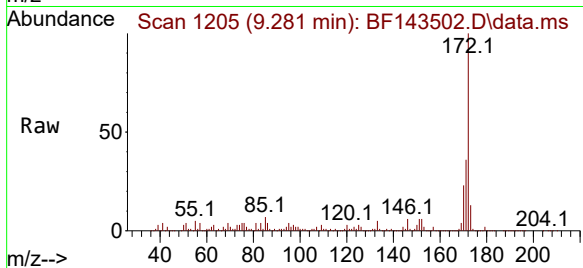
Tgt Ion:172 Resp: 922326

Ion Ratio Lower Upper

172 100

171 35.6 28.8 43.2

170 23.4 18.8 28.2



#54

2,4-Dinitrophenol

Concen: 5.464 ng

RT: 10.057 min Scan# 1337

Delta R.T. 0.029 min

Lab File: BF143502.D

Acq: 21 Aug 2025 00:00

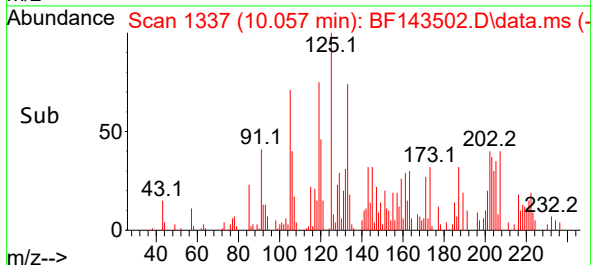
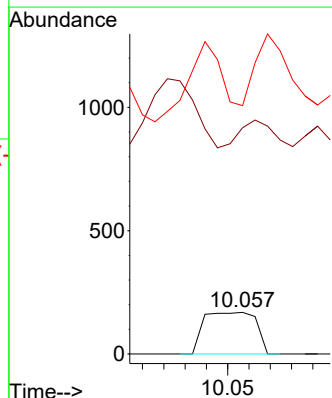
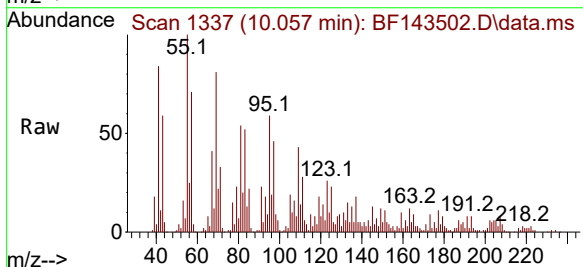
Tgt Ion:184 Resp: 287

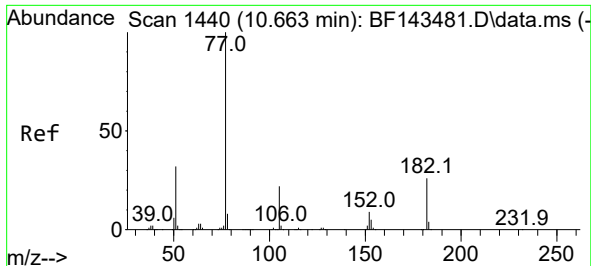
Ion Ratio Lower Upper

184 100

63 543.2 52.6 78.8#

154 595.9 51.0 76.4#

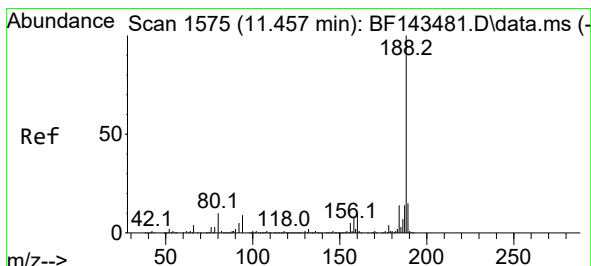
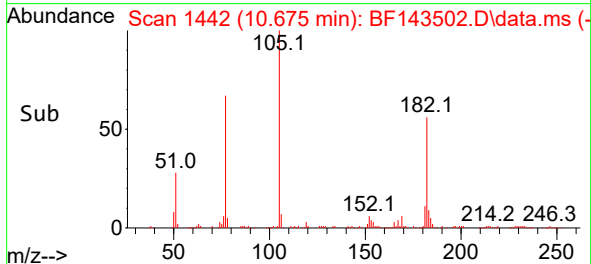
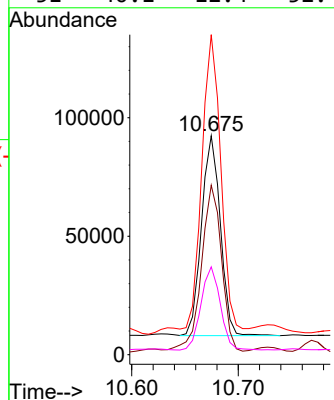
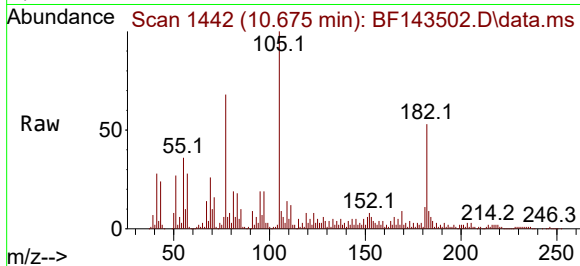




#63
Azobenzene
Concen: 7.879 ng
RT: 10.675 min Scan# 1442
Delta R.T. 0.006 min
Lab File: BF143502.D
Acq: 21 Aug 2025 00:00

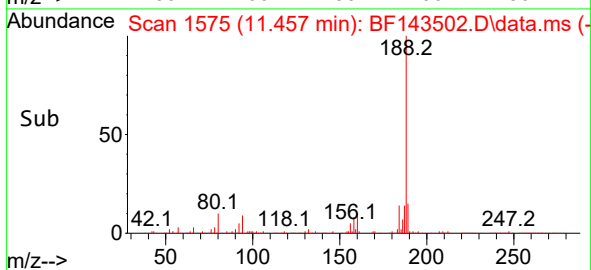
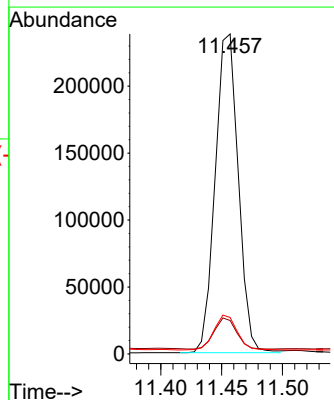
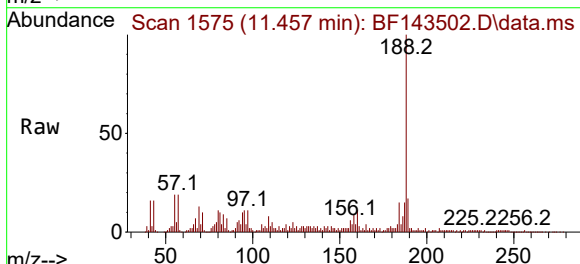
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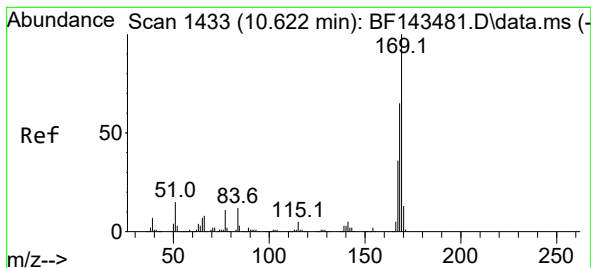
Tgt Ion: 77 Resp: 103848
Ion Ratio Lower Upper
77 100
182 77.4 6.2 46.2#
105 146.2 2.2 42.2#
51 40.1 12.4 52.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF143502.D
Acq: 21 Aug 2025 00:00

Tgt Ion:188 Resp: 314699
Ion Ratio Lower Upper
188 100
94 10.5 7.4 11.2
80 11.4 8.2 12.4





#66

n-Nitrosodiphenylamine

Concen: 3.918 ng

RT: 10.622 min Scan# 1433

Delta R.T. -0.006 min

Lab File: BF143502.D

Acq: 21 Aug 2025 00:00

Instrument :

BNA_F

ClientSampleId :

TW-22M-S

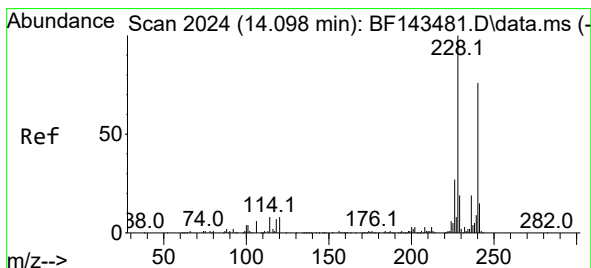
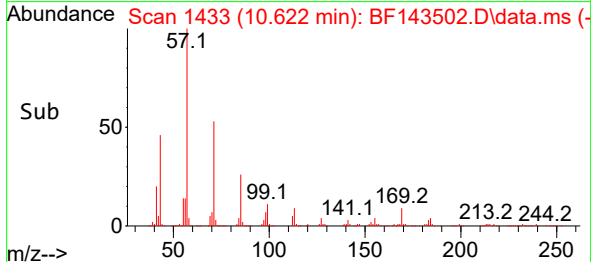
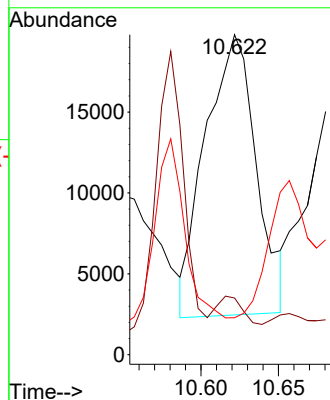
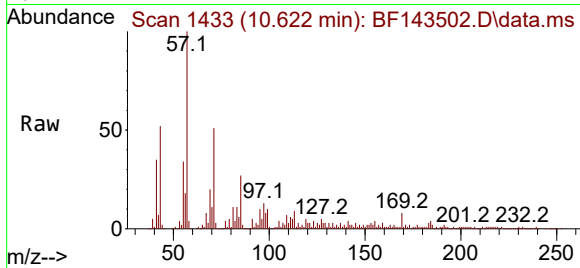
Tgt Ion:169 Resp: 39682

Ion Ratio Lower Upper

169 100

168 17.7 52.4 78.6#

167 11.5 28.9 43.3#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.092 min Scan# 2023

Delta R.T. -0.012 min

Lab File: BF143502.D

Acq: 21 Aug 2025 00:00

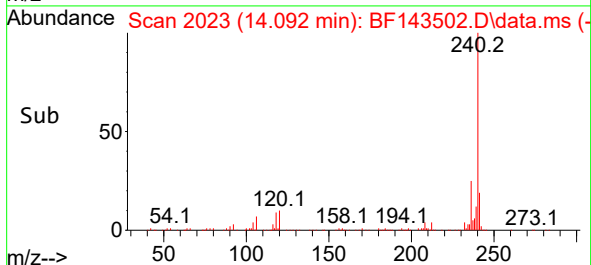
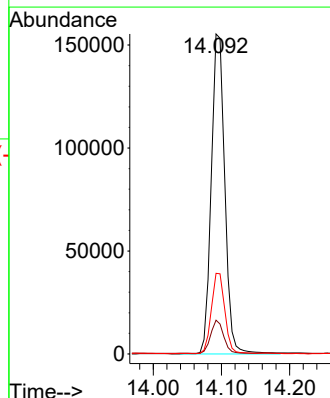
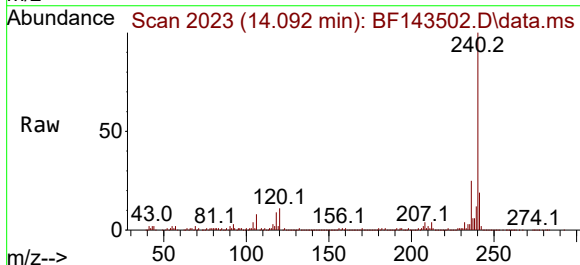
Tgt Ion:240 Resp: 215069

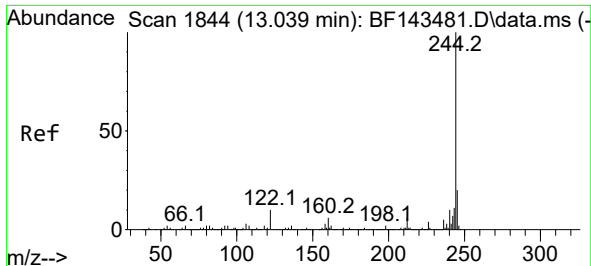
Ion Ratio Lower Upper

240 100

120 10.6 8.6 12.8

236 25.2 20.4 30.6

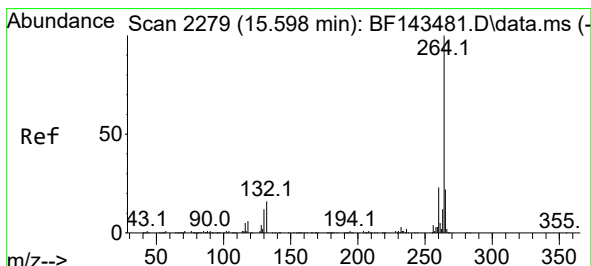
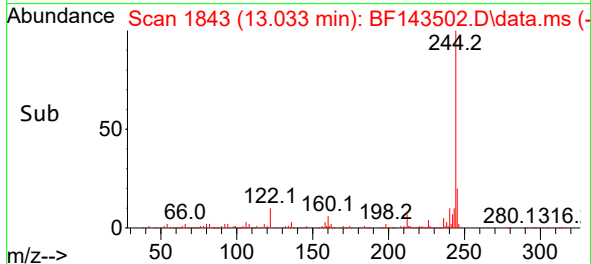
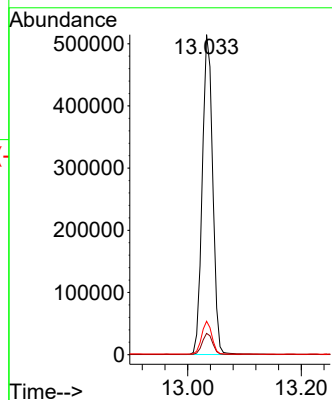
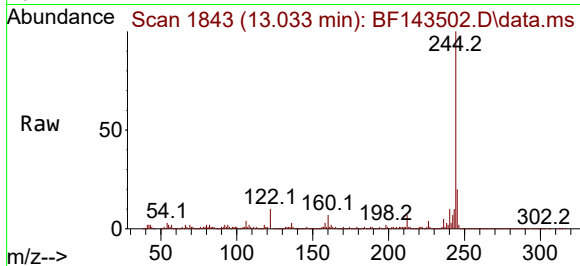




#79
 Terphenyl-d14
 Concen: 53.256 ng
 RT: 13.033 min Scan# 1844
 Delta R.T. -0.006 min
 Lab File: BF143502.D
 Acq: 21 Aug 2025 00:00

Instrument :
 BNA_F
 ClientSampleId :
 TW-22M-S

Tgt Ion:244 Resp: 656359
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.2 7.8
 122 10.5 7.9 11.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.592 min Scan# 2278
 Delta R.T. -0.006 min
 Lab File: BF143502.D
 Acq: 21 Aug 2025 00:00

Tgt Ion:264 Resp: 267410
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.7 28.1
 265 21.3 17.6 26.4

