

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
 Data File : BF143439.D
 Acq On : 18 Aug 2025 14:06
 Operator : RC/JU
 Sample : Q2844-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MOO-25-0228

Quant Time: Aug 18 14:59:43 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)

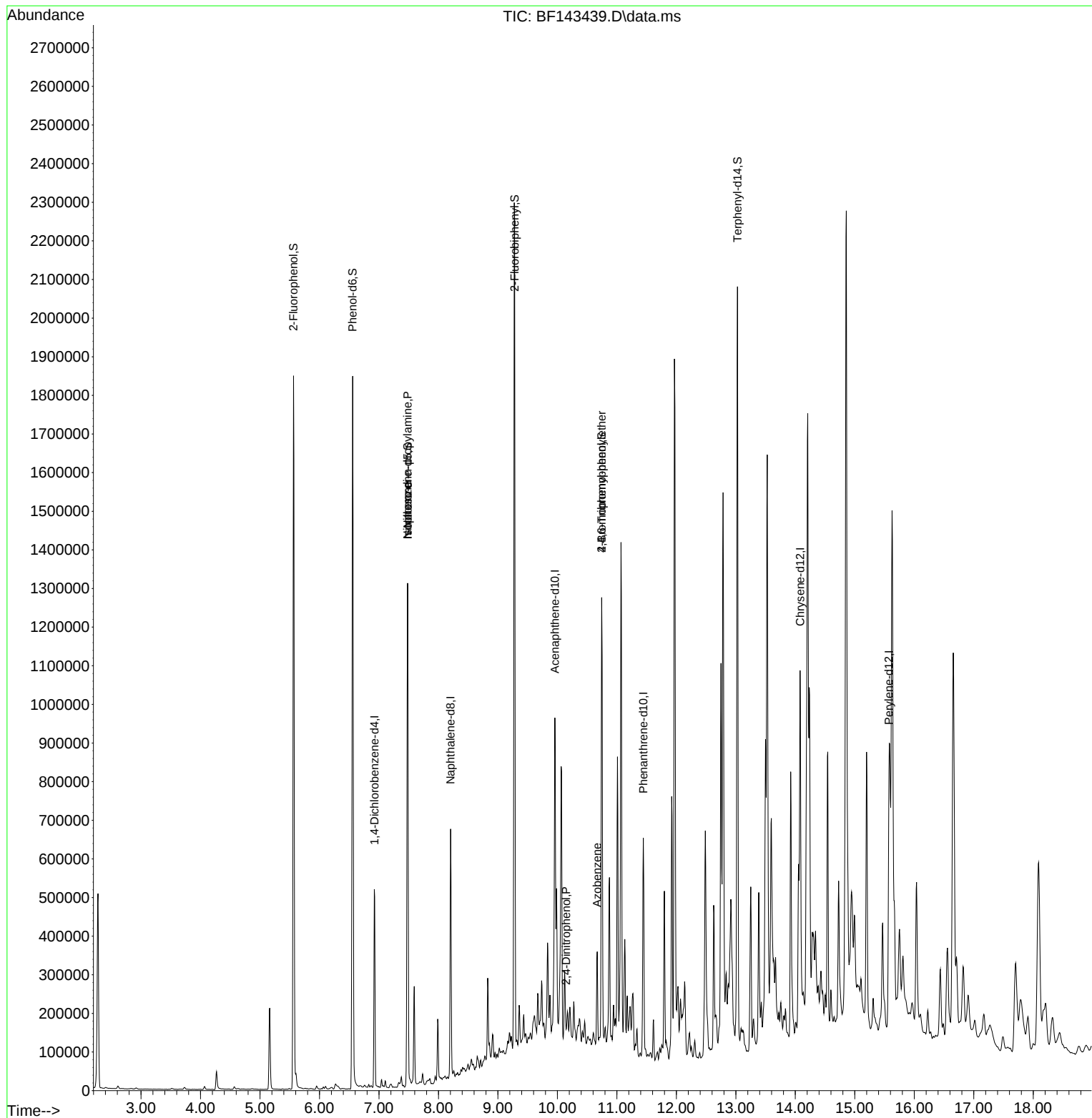
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	110461	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	393793	20.000	ng	0.00
39) Acenaphthene-d10	9.957	164	192473	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	277392	20.000	ng	0.00
76) Chrysene-d12	14.080	240	256587	20.000	ng	0.00
86) Perylene-d12	15.574	264	295518	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	681779	107.292	ng	0.00
7) Phenol-d6	6.557	99	863148	107.785	ng	0.00
23) Nitrobenzene-d5	7.481	82	558084	84.095	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	189915	110.857	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1013213	88.543	ng	0.00
79) Terphenyl-d14	13.028	244	930981	60.951	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.481	70	75684	15.266	ng	Qvalue
25) Isophorone	7.481	82	551833	43.447	ng	# 78
54) 2,4-Dinitrophenol	10.145	184	169	5.914	ng	# 65
63) Azobenzene	10.669	77	39847	3.555	ng	# 1
67) 4-Bromophenyl-phenylether	10.745	248	12419	3.791	ng	# 1

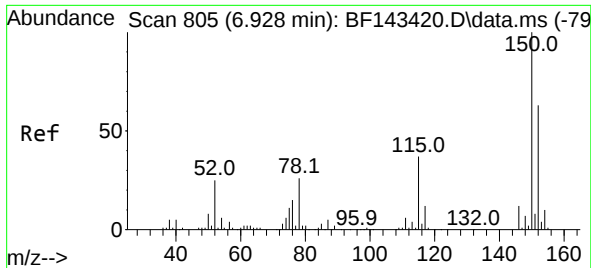
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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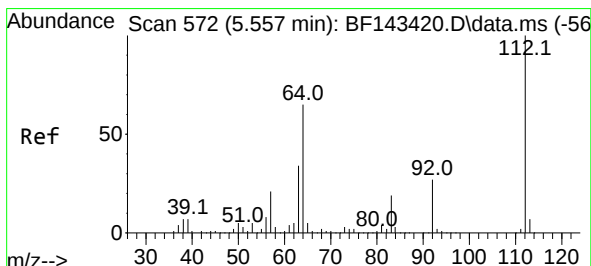
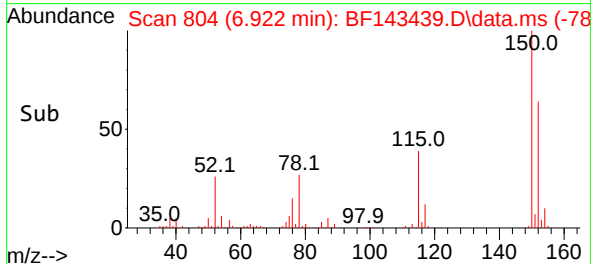
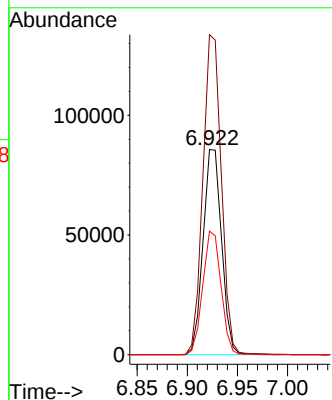
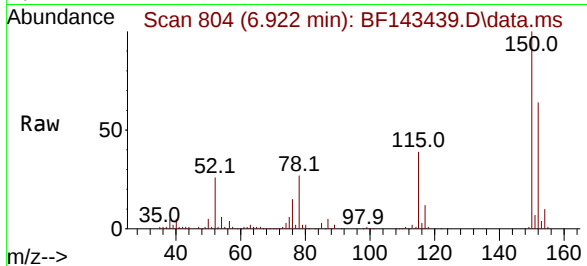




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF143439.D
Acq: 18 Aug 2025 14:06

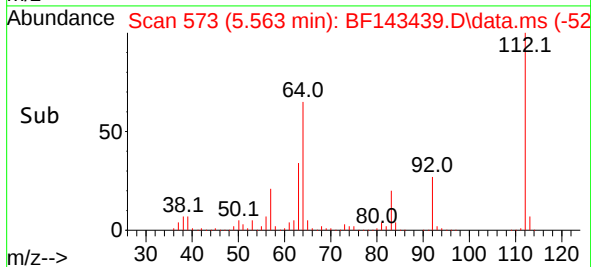
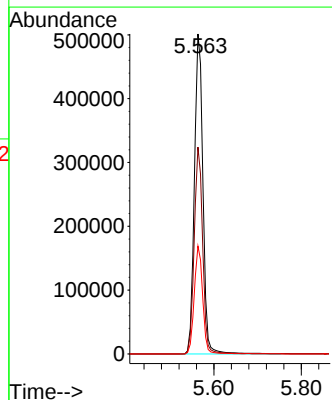
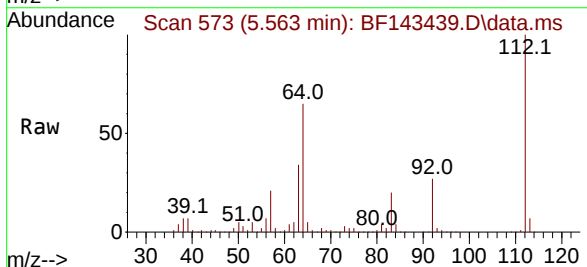
Instrument :
BNA_F
ClientSampleId :
MOO-25-0228

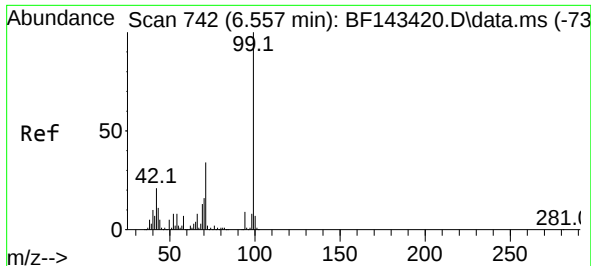
Tgt Ion:152 Resp: 110461
Ion Ratio Lower Upper
152 100
150 156.1 127.4 191.2
115 60.2 47.5 71.3



#5
2-Fluorophenol
Concen: 107.292 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.006 min
Lab File: BF143439.D
Acq: 18 Aug 2025 14:06

Tgt Ion:112 Resp: 681779
Ion Ratio Lower Upper
112 100
64 64.6 52.2 78.2
63 33.7 27.0 40.6

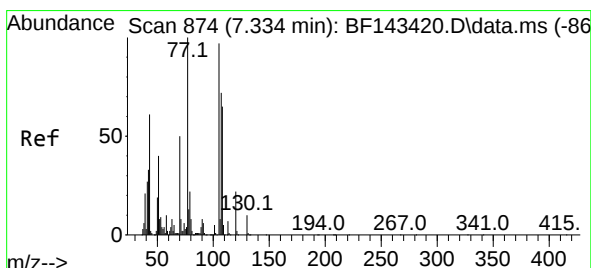
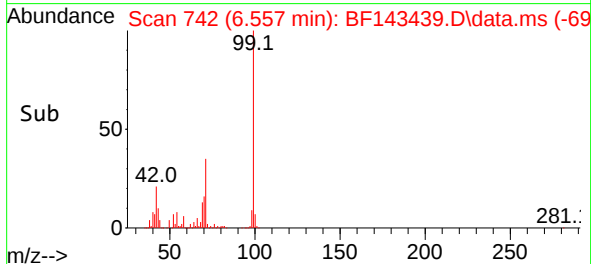
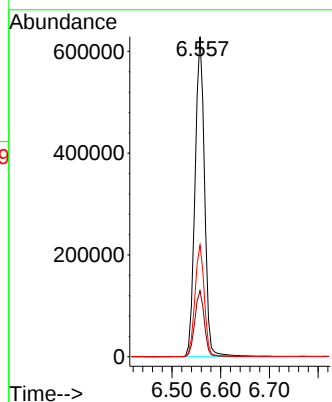
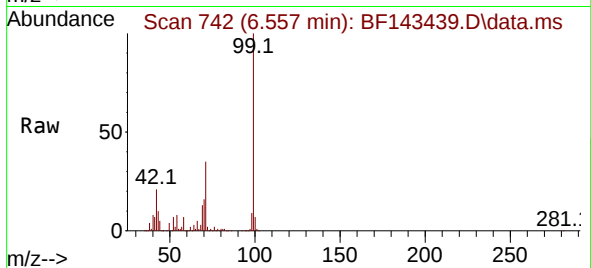




#7
Phenol-d6
Concen: 107.785 ng
RT: 6.557 min Scan# 742
Delta R.T. 0.000 min
Lab File: BF143439.D
Acq: 18 Aug 2025 14:06

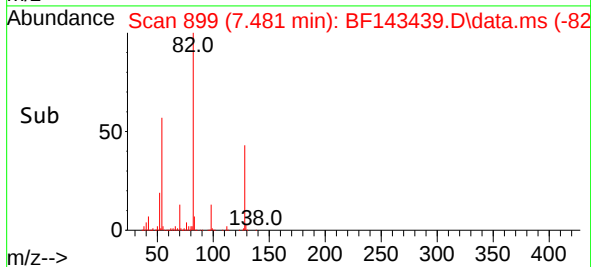
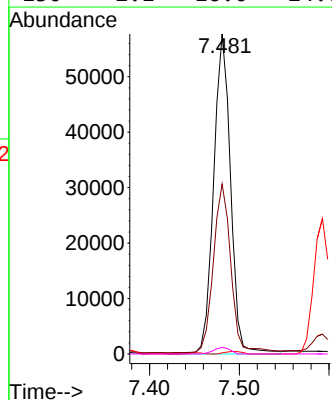
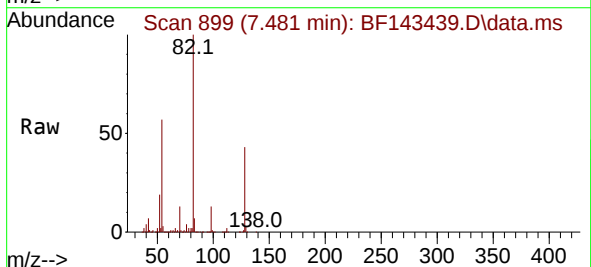
Instrument :
BNA_F
ClientSampleId :
MOO-25-0228

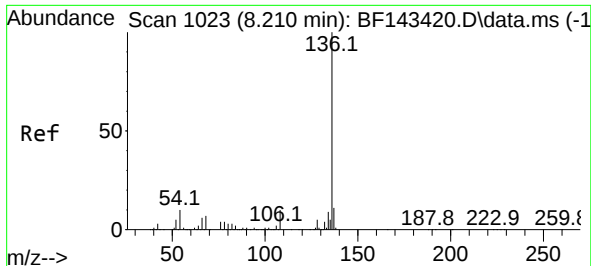
Tgt Ion: 99 Resp: 863148
Ion Ratio Lower Upper
99 100
42 20.6 17.0 25.6
71 34.8 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 15.266 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.147 min
Lab File: BF143439.D
Acq: 18 Aug 2025 14:06

Tgt Ion: 70 Resp: 75684
Ion Ratio Lower Upper
70 100
42 53.1 52.5 78.7
101 0.3 7.9 11.9#
130 2.1 16.0 24.0#



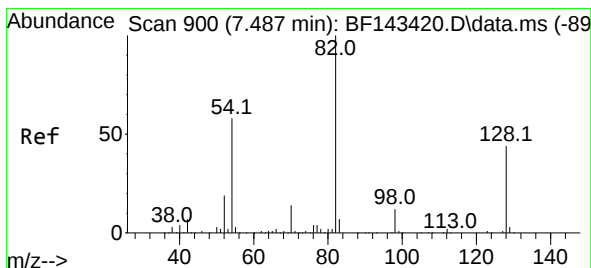
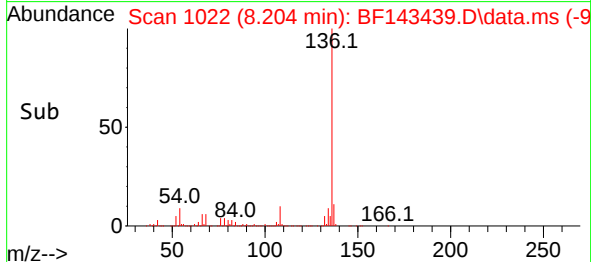
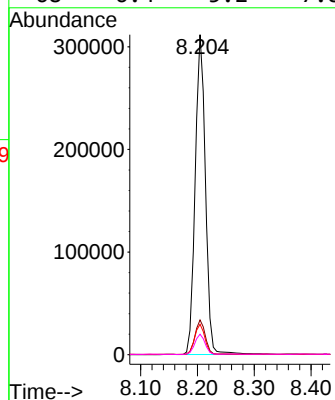
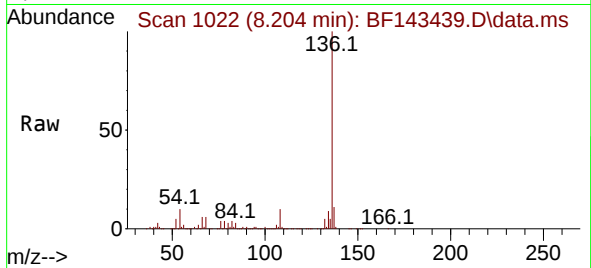


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF143439.D
Acq: 18 Aug 2025 14:06

Instrument :
BNA_F
ClientSampleId :
MOO-25-0228

Tgt Ion:136 Resp: 393793

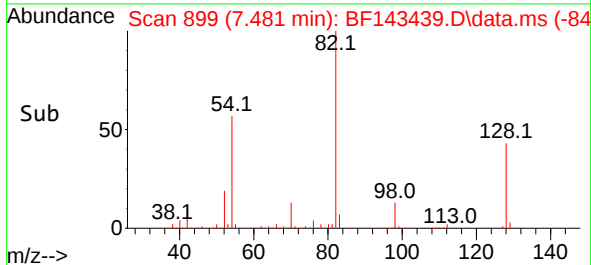
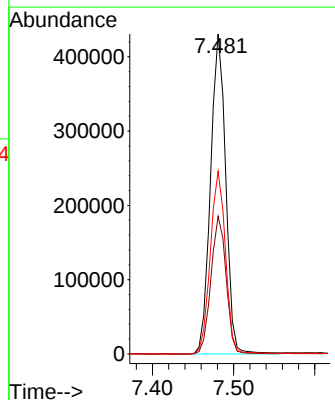
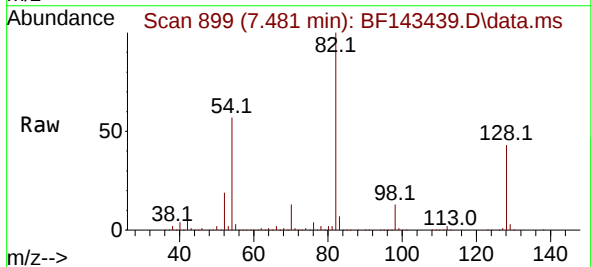
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	9.5	7.8	11.8
68	6.4	5.2	7.8

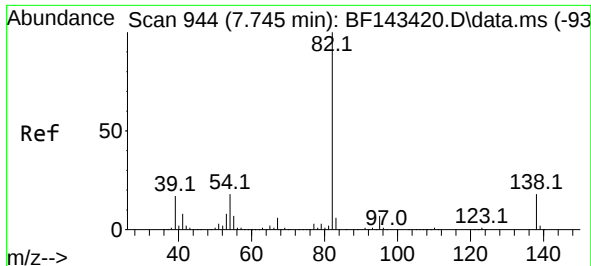


#23
Nitrobenzene-d5
Concen: 84.095 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF143439.D
Acq: 18 Aug 2025 14:06

Tgt Ion: 82 Resp: 558084

Ion	Ratio	Lower	Upper
82	100		
128	43.0	34.6	52.0
54	57.1	46.0	69.0

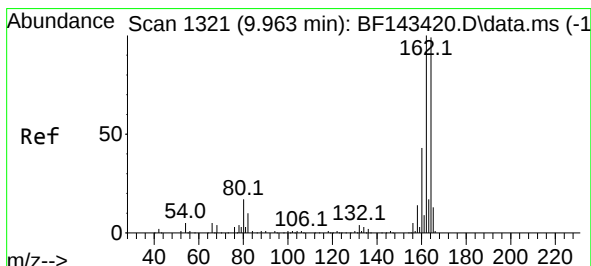
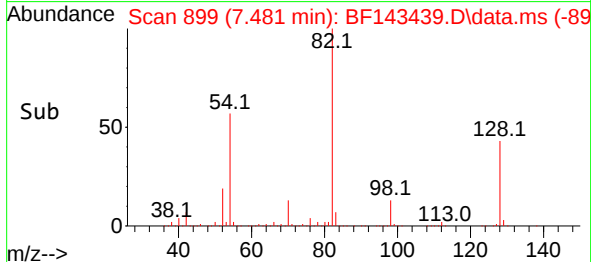
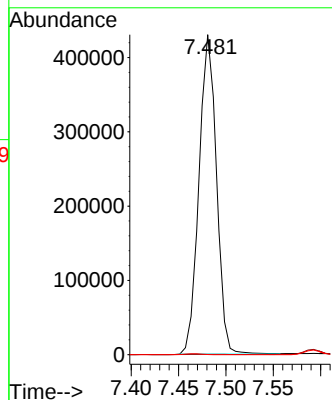
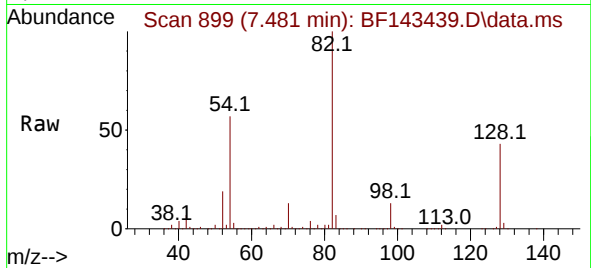




#25
Isophorone
Concen: 43.447 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.265 min
Lab File: BF143439.D
Acq: 18 Aug 2025 14:06

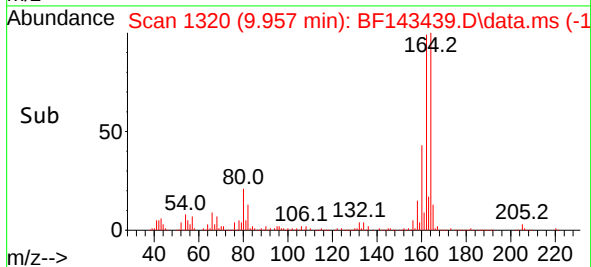
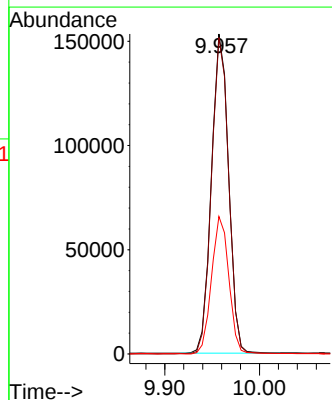
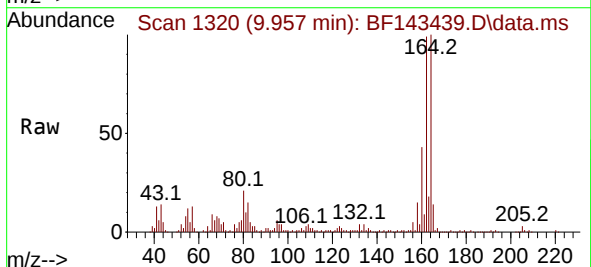
Instrument :
BNA_F
ClientSampleId :
MOO-25-0228

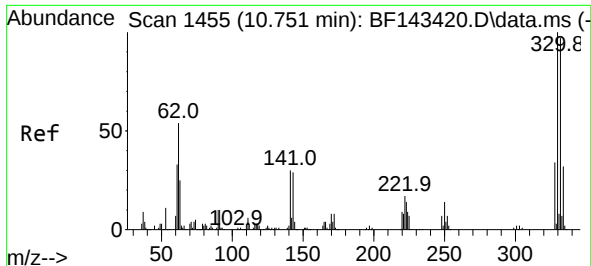
Tgt Ion: 82 Resp: 551833
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.1 14.3 21.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143439.D
Acq: 18 Aug 2025 14:06

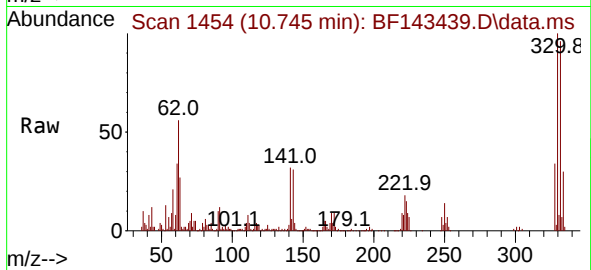
Tgt Ion:164 Resp: 192473
Ion Ratio Lower Upper
164 100
162 98.9 80.6 121.0
160 42.9 34.6 51.8



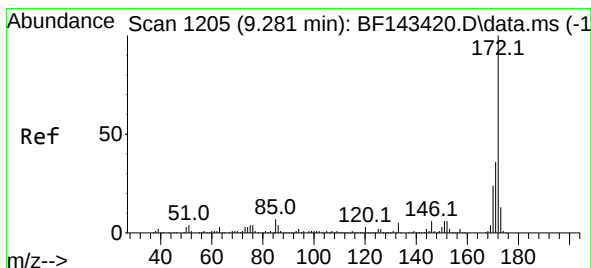
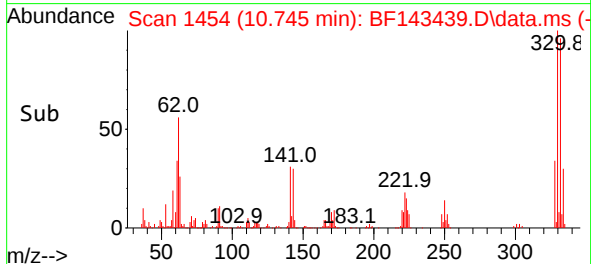
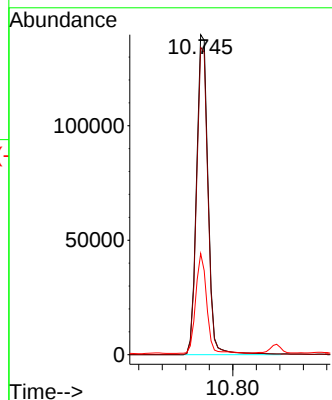


#42
2,4,6-Tribromophenol
Concen: 110.857 ng
RT: 10.745 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF143439.D
Acq: 18 Aug 2025 14:06

Instrument :
BNA_F
ClientSampleId :
MOO-25-0228

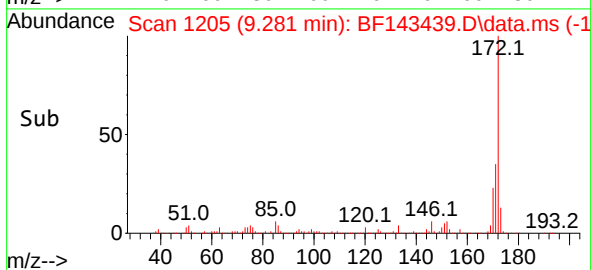
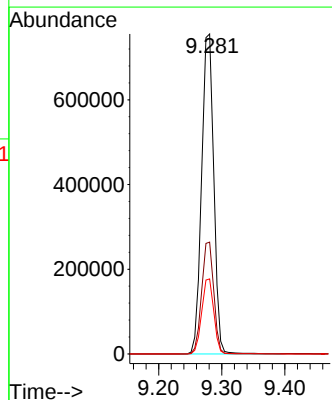
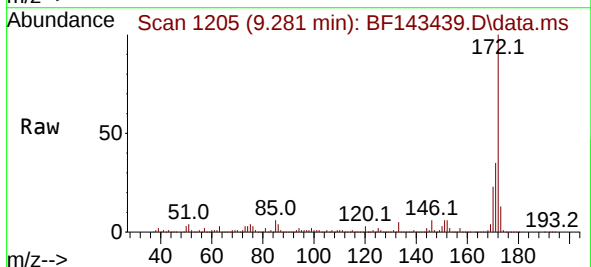


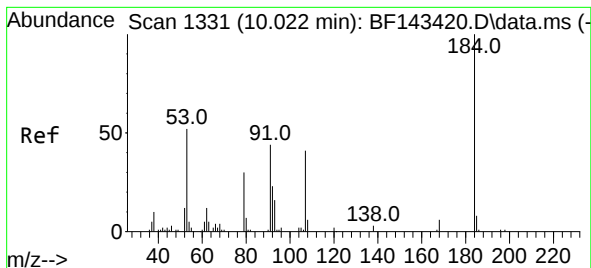
Tgt Ion:330 Resp: 189915
Ion Ratio Lower Upper
330 100
332 96.0 77.4 116.2
141 29.8 24.1 36.1



#45
2-Fluorobiphenyl
Concen: 88.543 ng
RT: 9.281 min Scan# 1205
Delta R.T. 0.000 min
Lab File: BF143439.D
Acq: 18 Aug 2025 14:06

Tgt Ion:172 Resp: 1013213
Ion Ratio Lower Upper
172 100
171 34.9 28.7 43.1
170 23.4 19.0 28.6

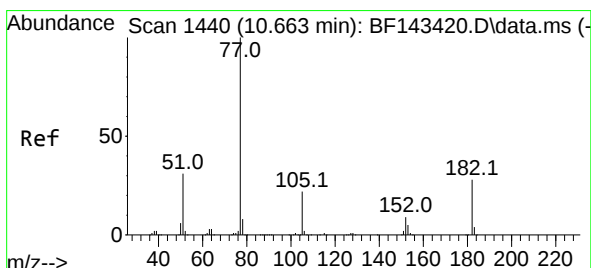
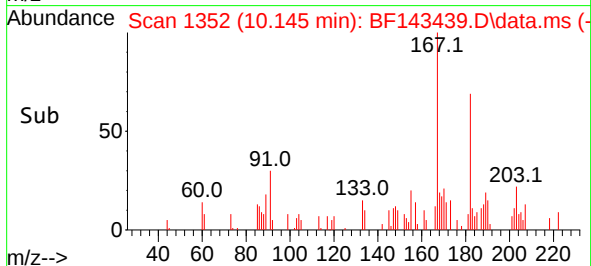
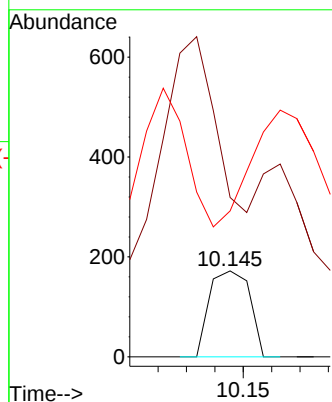
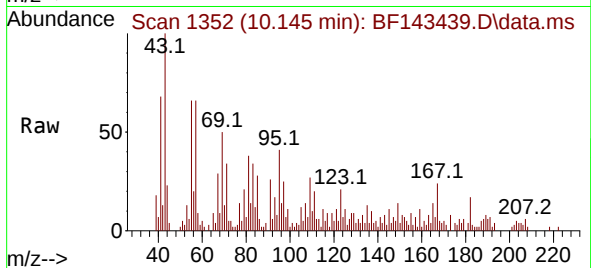




#54
2,4-Dinitrophenol
Concen: 5.914 ng
RT: 10.145 min Scan# 11
Delta R.T. 0.123 min
Lab File: BF143439.D
Acq: 18 Aug 2025 14:06

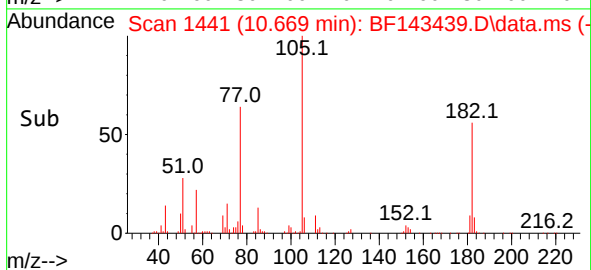
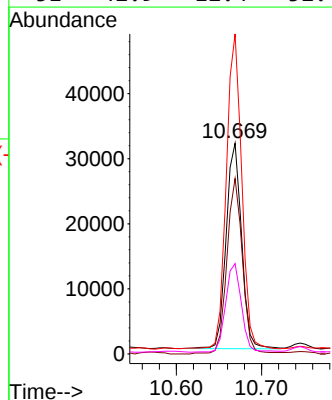
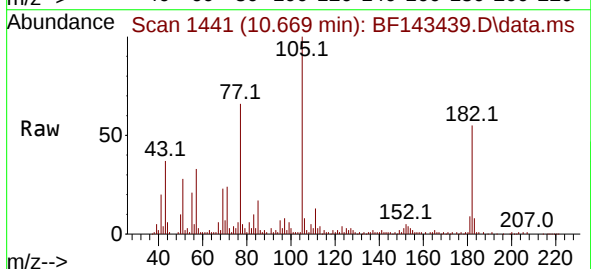
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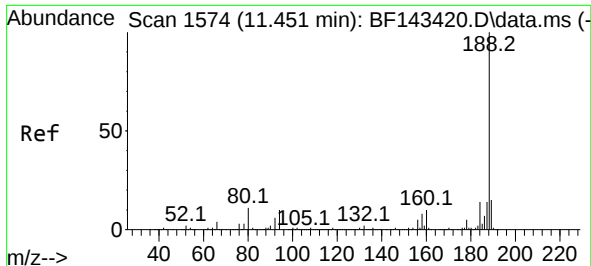
Tgt Ion:184 Resp: 169
Ion Ratio Lower Upper
184 100
63 185.5 53.2 79.8#
154 169.8 51.3 76.9#



#63
Azobenzene
Concen: 3.555 ng
RT: 10.669 min Scan# 1441
Delta R.T. 0.006 min
Lab File: BF143439.D
Acq: 18 Aug 2025 14:06

Tgt Ion: 77 Resp: 39847
Ion Ratio Lower Upper
77 100
182 83.3 7.4 47.4#
105 151.9 1.7 41.7#
51 42.9 12.4 52.4

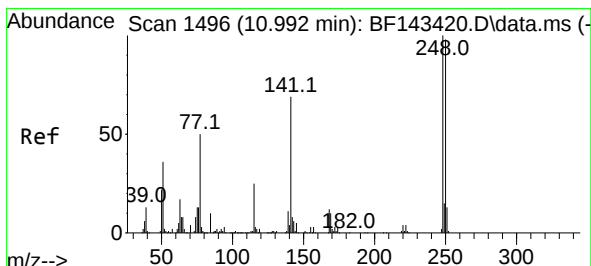
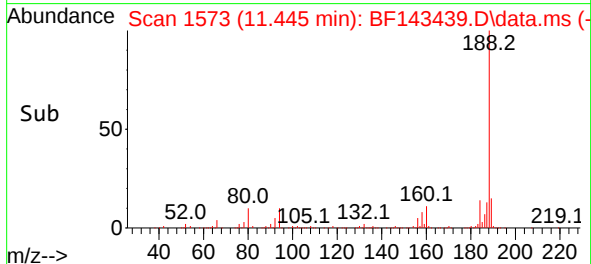
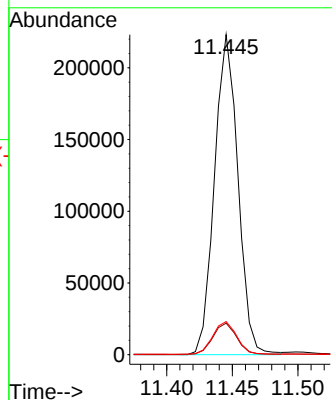
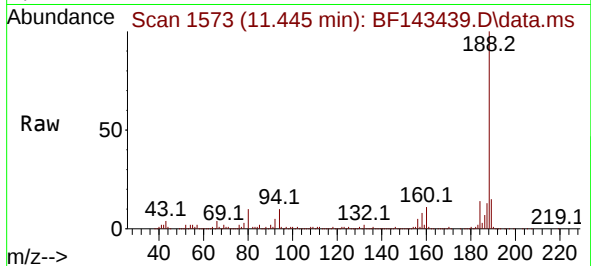




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143439.D
Acq: 18 Aug 2025 14:06

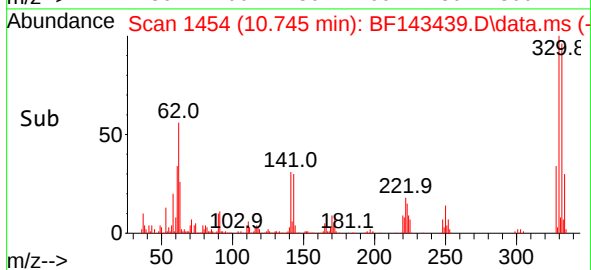
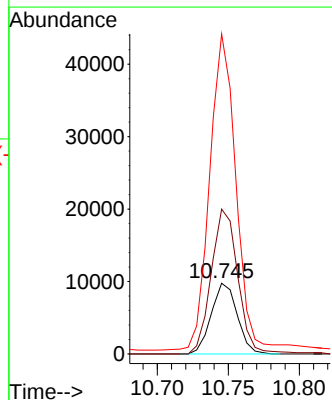
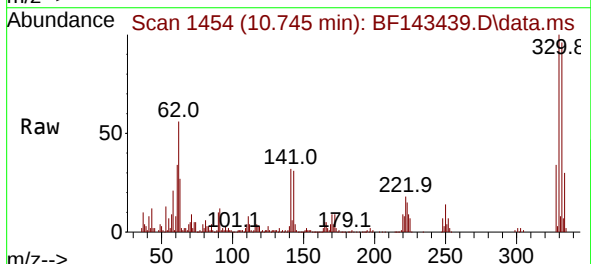
Instrument :
BNA_F
ClientSampleId :
MOO-25-0228

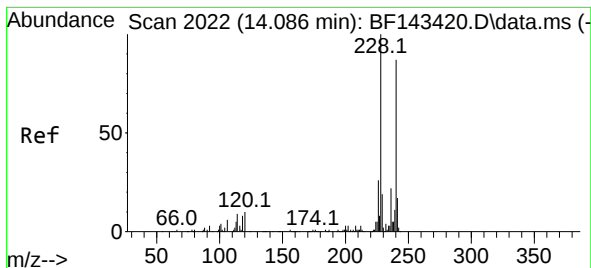
Tgt Ion:188 Resp: 277392
Ion Ratio Lower Upper
188 100
94 9.8 8.0 12.0
80 10.3 8.6 12.8



#67
4-Bromophenyl-phenylether
Concen: 3.791 ng
RT: 10.745 min Scan# 1454
Delta R.T. -0.247 min
Lab File: BF143439.D
Acq: 18 Aug 2025 14:06

Tgt Ion:248 Resp: 12419
Ion Ratio Lower Upper
248 100
250 205.0 78.6 118.0#
141 452.9 54.9 82.3#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.080 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143439.D

Acq: 18 Aug 2025 14:06

Instrument :

BNA_F

ClientSampleId :

MOO-25-0228

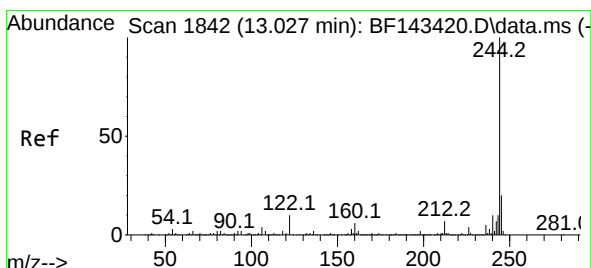
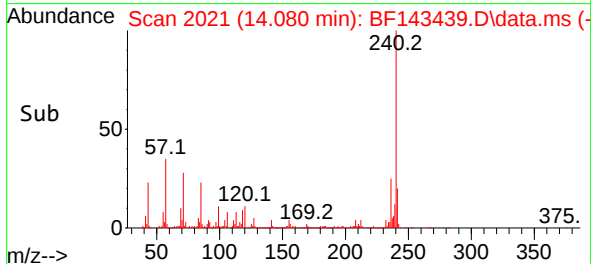
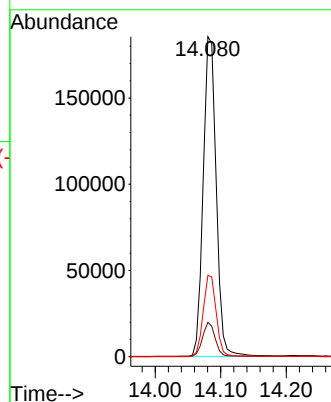
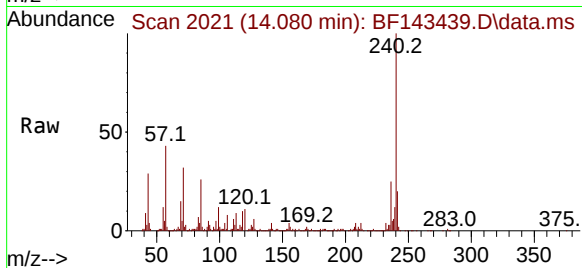
Tgt Ion:240 Resp: 256587

Ion Ratio Lower Upper

240 100

120 10.8 9.0 13.4

236 25.5 20.2 30.2



#79

Terphenyl-d14

Concen: 60.951 ng

RT: 13.028 min Scan# 1842

Delta R.T. 0.000 min

Lab File: BF143439.D

Acq: 18 Aug 2025 14:06

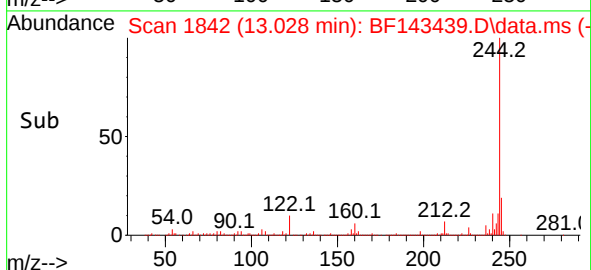
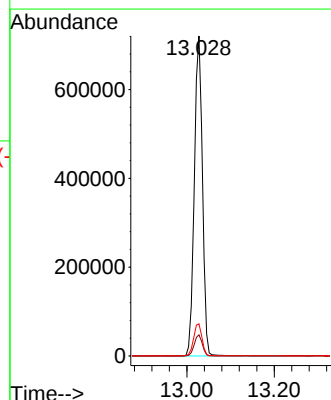
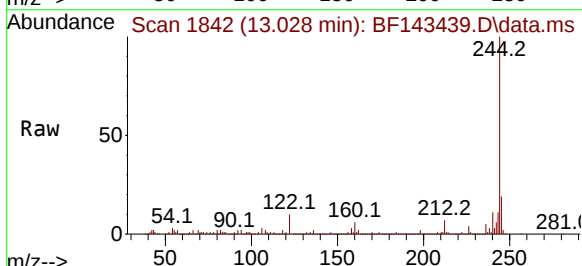
Tgt Ion:244 Resp: 930981

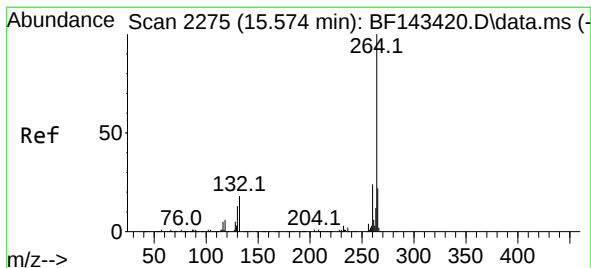
Ion Ratio Lower Upper

244 100

212 6.6 5.2 7.8

122 10.0 8.3 12.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.574 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF143439.D
 Acq: 18 Aug 2025 14:06

Instrument :
 BNA_F
 ClientSampleId :
 MOO-25-0228

Tgt Ion:264 Resp: 295518
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.8 28.2
 265 21.4 17.4 26.0

