

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082225\
 Data File : BF143576.D
 Acq On : 22 Aug 2025 16:53
 Operator : RC/JU
 Sample : Q2903-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-16B-081925

Quant Time: Aug 22 17:13:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 21 06:12:21 2025
 Response via : Initial Calibration

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

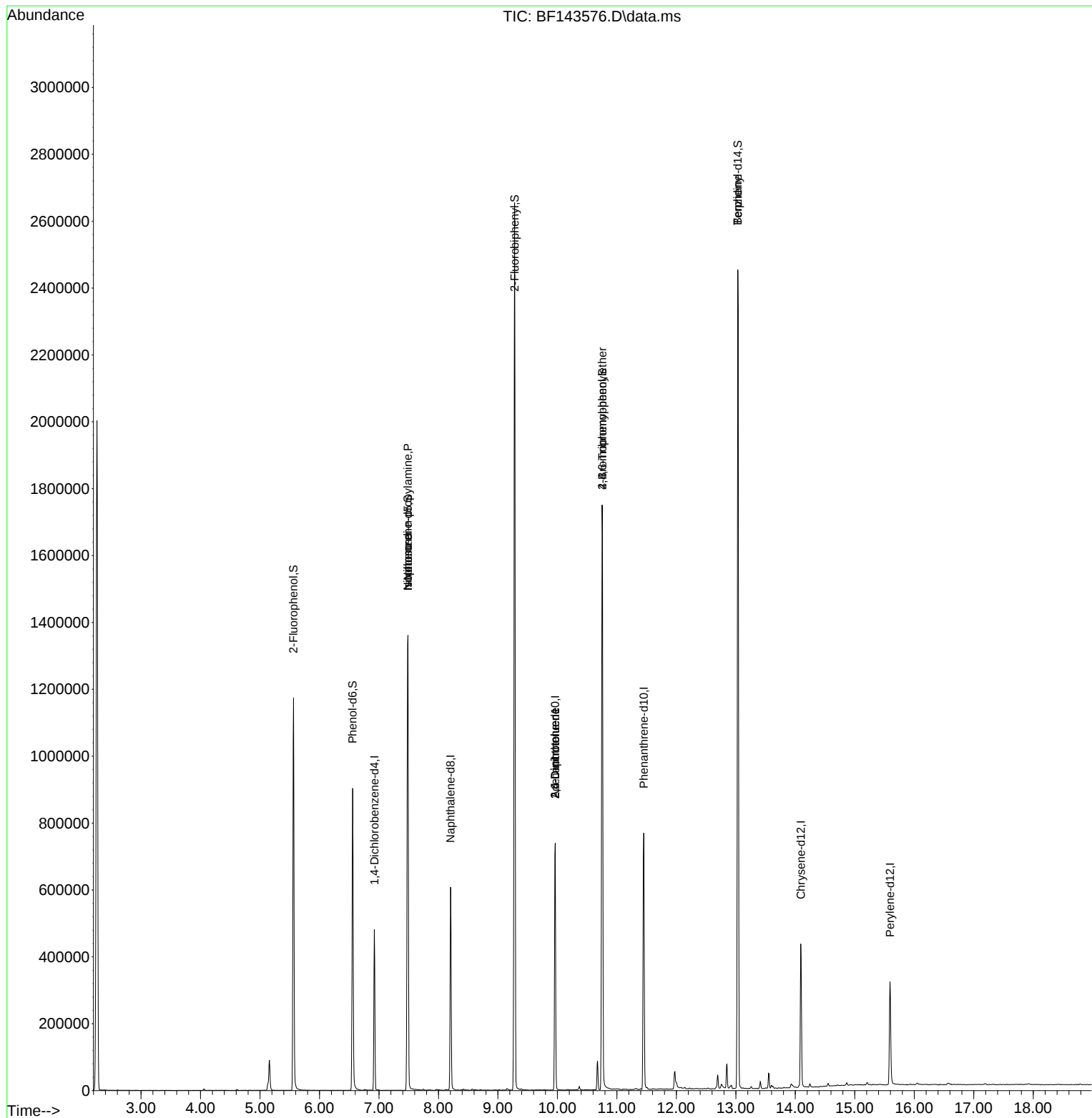
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	94313	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	372419	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	224179	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	393667	20.000	ng	0.00
76) Chrysene-d12	14.092	240	213541	20.000	ng	-0.01
86) Perylene-d12	15.592	264	186593	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	399366	73.941	ng	0.00
7) Phenol-d6	6.557	99	374847	56.221	ng	-0.02
23) Nitrobenzene-d5	7.487	82	634238	99.380	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	298951	143.260	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1145152	84.422	ng	0.00
79) Terphenyl-d14	13.033	244	1210694	98.937	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.487	70	89930	22.067	ng	# 81
25) Isophorone	7.487	82	607619	51.939	ng	# 65
51) 2,6-Dinitrotoluene	9.963	165	27794	9.932	ng	# 26
57) 2,4-Dinitrotoluene	9.963	165	27794	7.439	ng	# 26
67) 4-Bromophenyl-phenylether	10.757	248	20966	4.464	ng	# 1
77) Benzydine	13.033	184	16151	3.105	ng	# 94

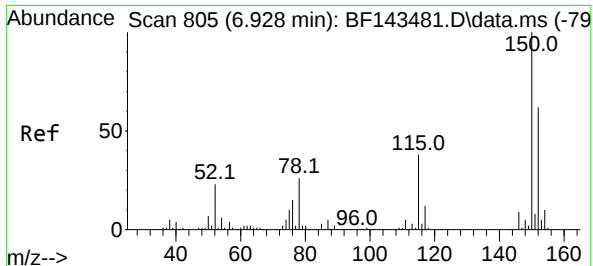
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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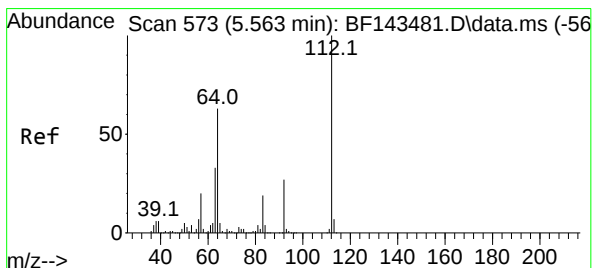
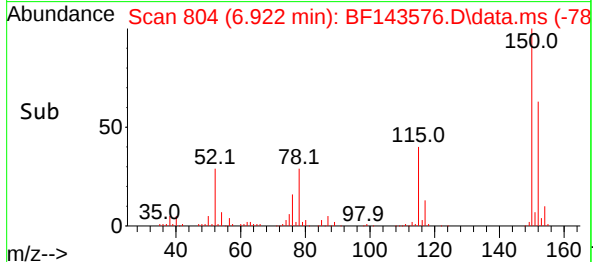
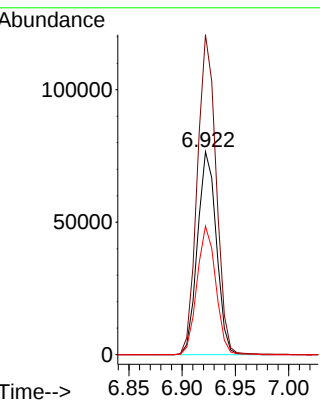
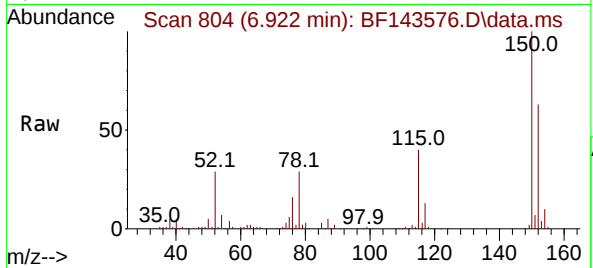




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF143576.D
Acq: 22 Aug 2025 16:53

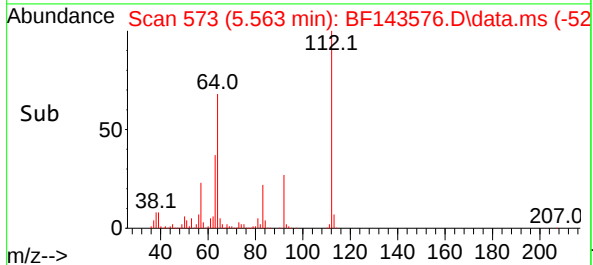
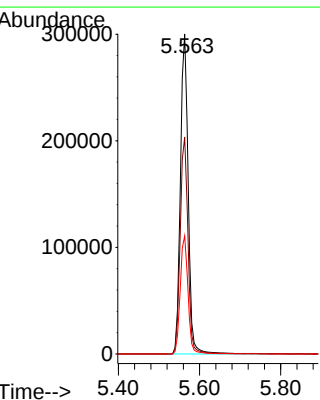
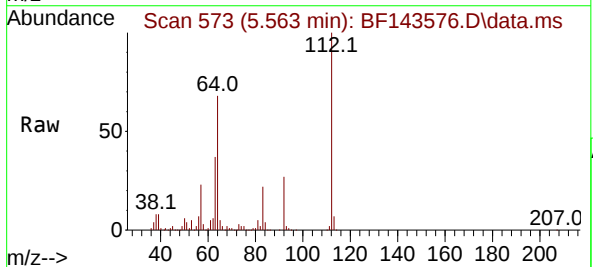
Instrument :
BNA_F
ClientSampleId :
MW-16B-081925

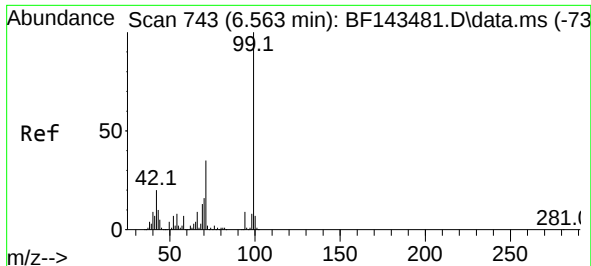
Tgt Ion:152 Resp: 94313
Ion Ratio Lower Upper
152 100
150 157.6 128.9 193.3
115 63.3 49.2 73.8



#5
2-Fluorophenol
Concen: 73.941 ng
RT: 5.563 min Scan# 573
Delta R.T. -0.000 min
Lab File: BF143576.D
Acq: 22 Aug 2025 16:53

Tgt Ion:112 Resp: 399366
Ion Ratio Lower Upper
112 100
64 67.7 50.4 75.6
63 36.9 26.4 39.6

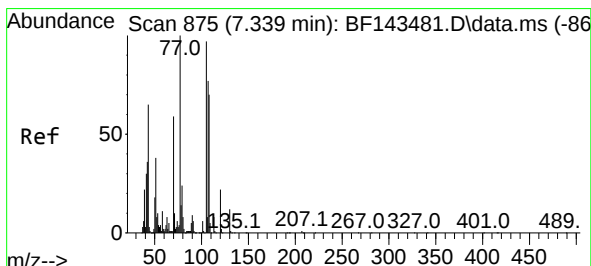
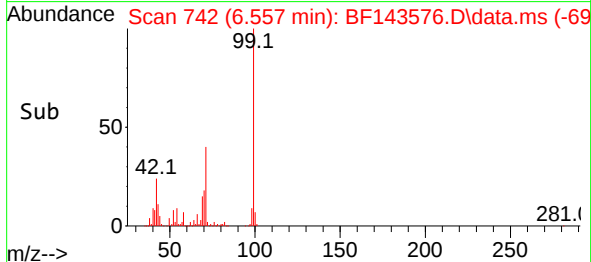
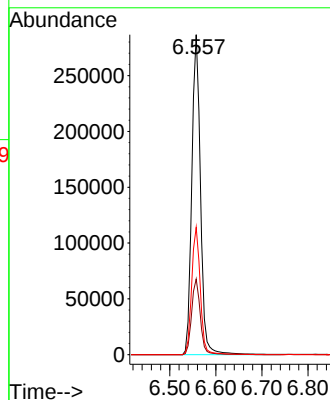
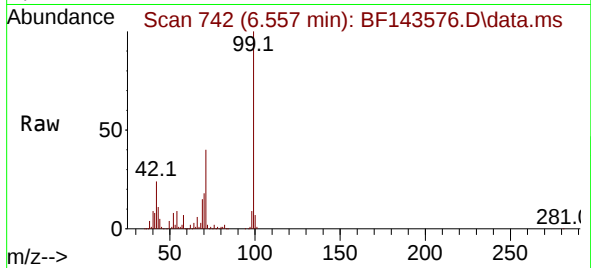




#7
Phenol-d6
Concen: 56.221 ng
RT: 6.557 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF143576.D
Acq: 22 Aug 2025 16:53

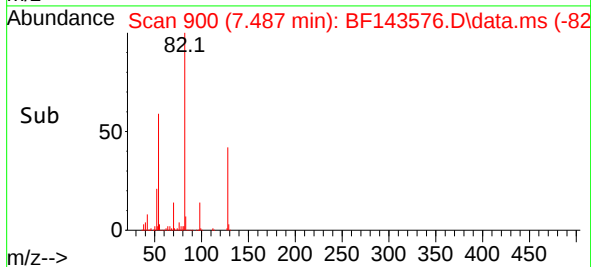
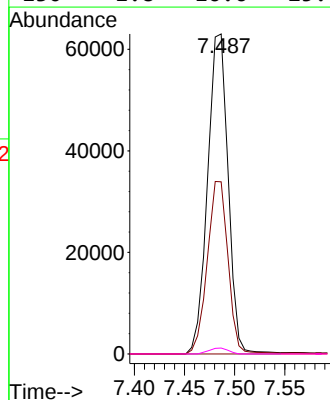
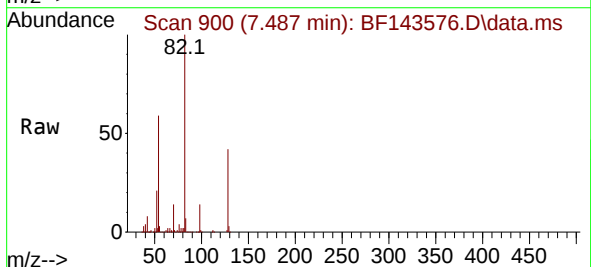
Instrument :
BNA_F
ClientSampleId :
MW-16B-081925

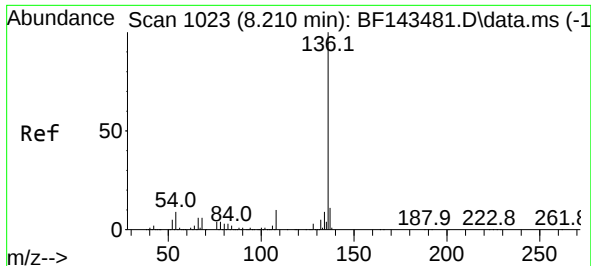
Tgt Ion: 99 Resp: 374847
Ion Ratio Lower Upper
99 100
42 23.6 16.3 24.5
71 39.8 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 22.067 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.135 min
Lab File: BF143576.D
Acq: 22 Aug 2025 16:53

Tgt Ion: 70 Resp: 89930
Ion Ratio Lower Upper
70 100
42 53.8 49.3 73.9
101 0.0 7.8 11.8#
130 1.8 16.6 25.0#



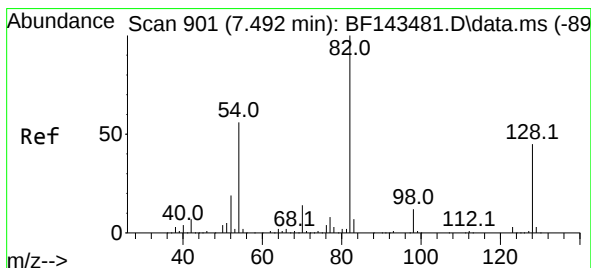
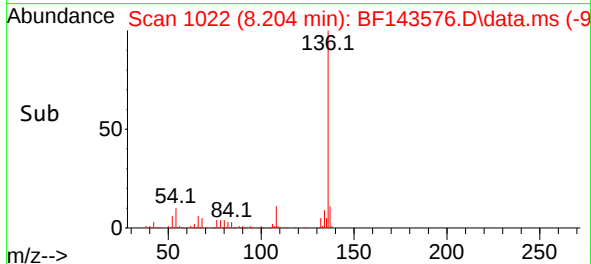
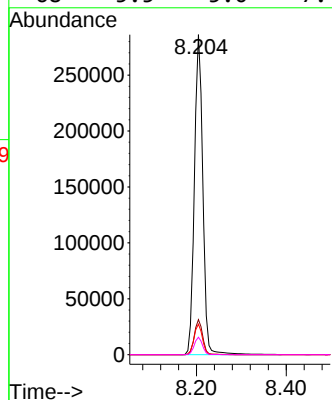
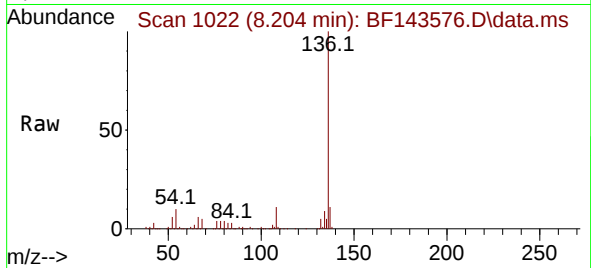


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF143576.D
Acq: 22 Aug 2025 16:53

Instrument :
BNA_F
ClientSampleId :
MW-16B-081925

Tgt Ion:136 Resp: 372419

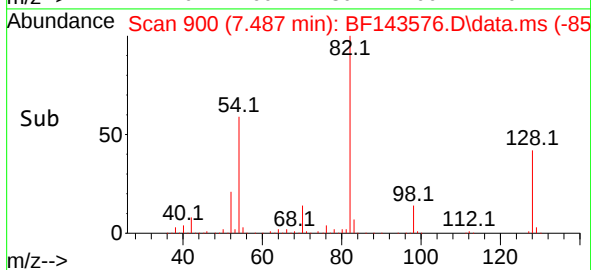
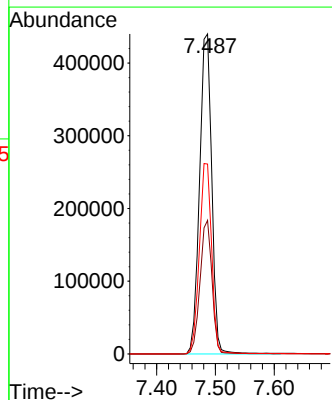
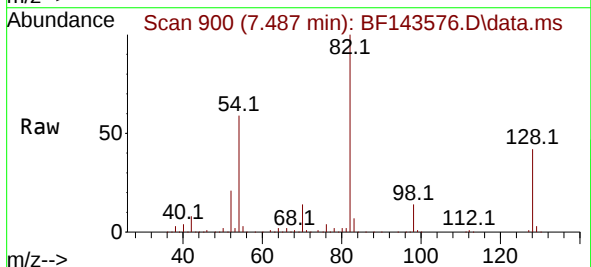
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	9.6	7.4	11.2
68	5.5	5.0	7.4

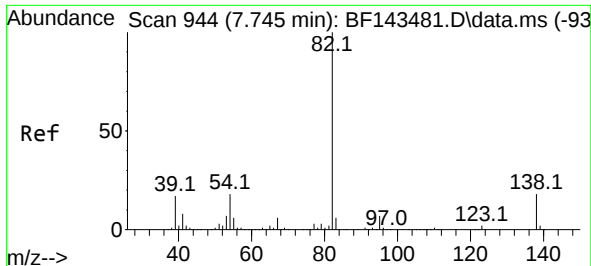


#23
Nitrobenzene-d5
Concen: 99.380 ng
RT: 7.487 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF143576.D
Acq: 22 Aug 2025 16:53

Tgt Ion: 82 Resp: 634238

Ion	Ratio	Lower	Upper
82	100		
128	41.8	35.5	53.3
54	59.3	44.3	66.5

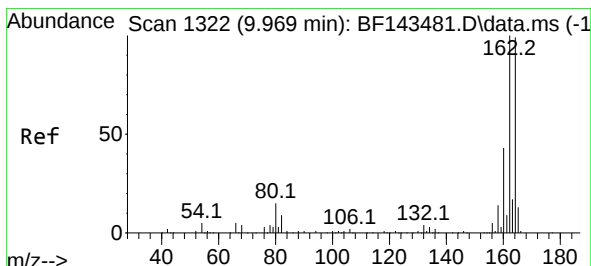
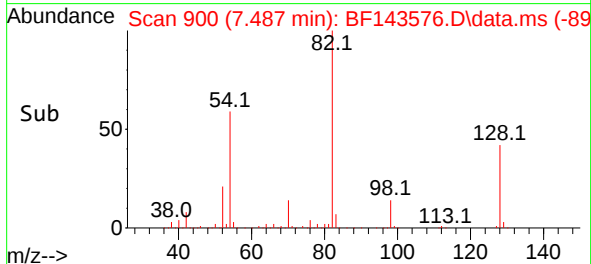
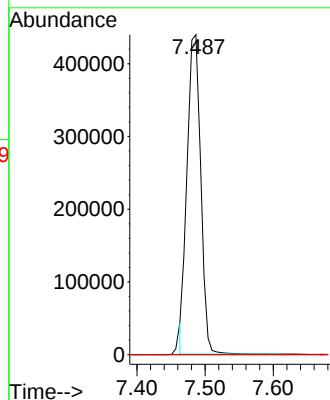
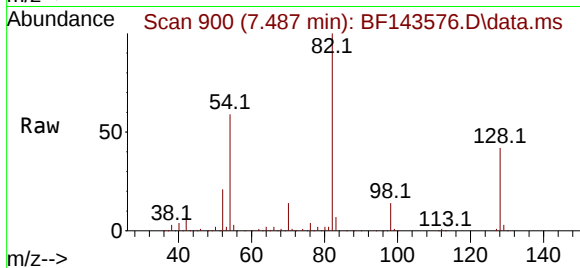




#25
Isophorone
Concen: 51.939 ng
RT: 7.487 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF143576.D
Acq: 22 Aug 2025 16:53

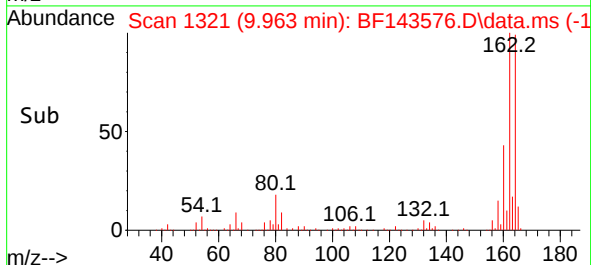
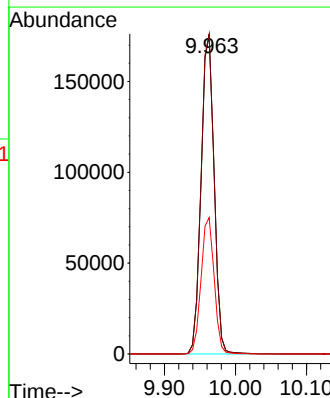
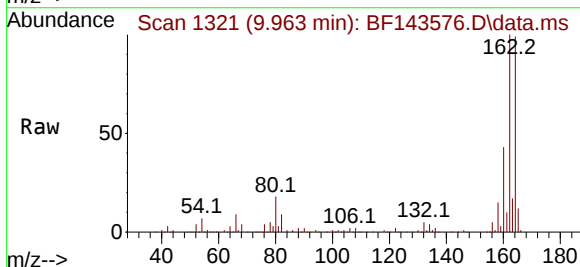
Instrument :
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ClientSampleId :
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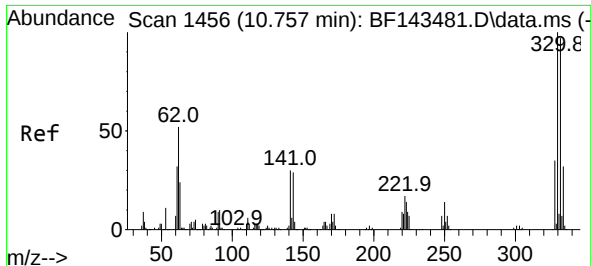
Tgt Ion: 82 Resp: 607619
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.2 21.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF143576.D
Acq: 22 Aug 2025 16:53

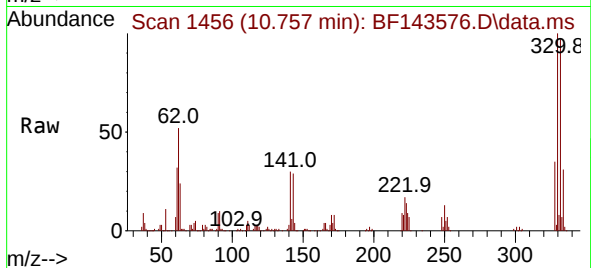
Tgt Ion:164 Resp: 224179
Ion Ratio Lower Upper
164 100
162 100.5 80.5 120.7
160 42.9 34.3 51.5



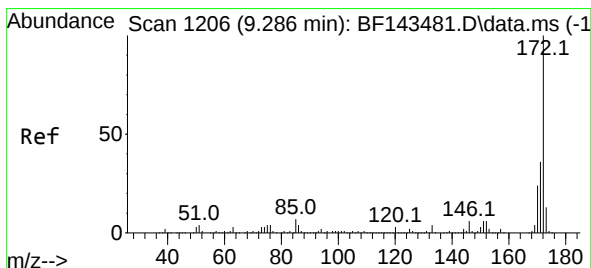
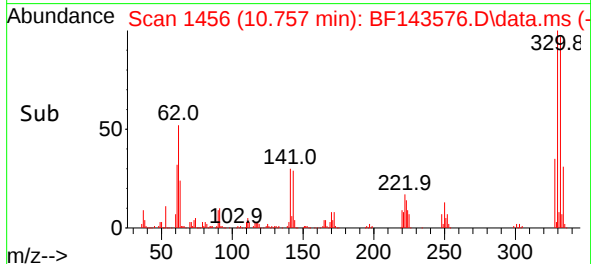
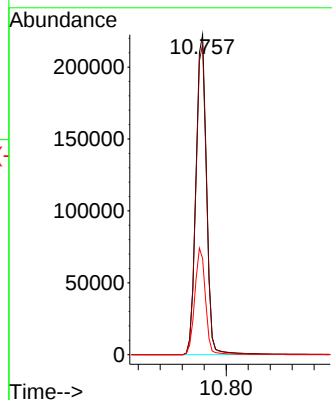


#42
2,4,6-Tribromophenol
Concen: 143.260 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143576.D
Acq: 22 Aug 2025 16:53

Instrument :
BNA_F
ClientSampleId :
MW-16B-081925

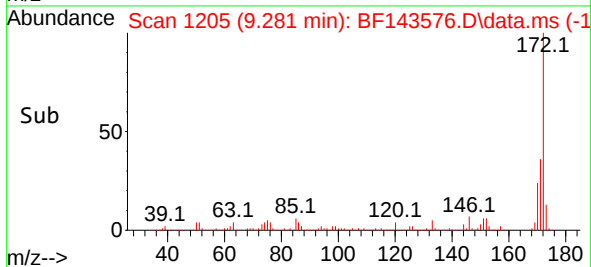
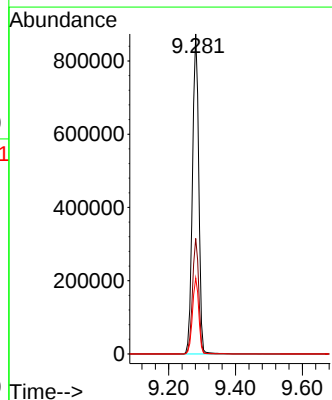
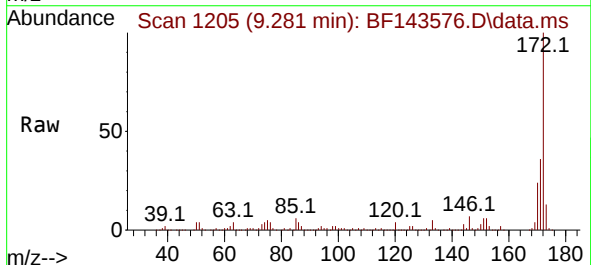


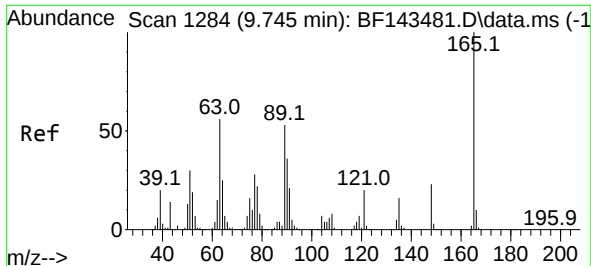
Tgt Ion:330 Resp: 298951
Ion Ratio Lower Upper
330 100
332 97.6 78.0 117.0
141 33.6 23.7 35.5



#45
2-Fluorobiphenyl
Concen: 84.422 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF143576.D
Acq: 22 Aug 2025 16:53

Tgt Ion:172 Resp: 1145152
Ion Ratio Lower Upper
172 100
171 36.1 28.8 43.2
170 23.8 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 9.932 ng

RT: 9.963 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF143576.D

Acq: 22 Aug 2025 16:53

Instrument :

BNA_F

ClientSampleId :

MW-16B-081925

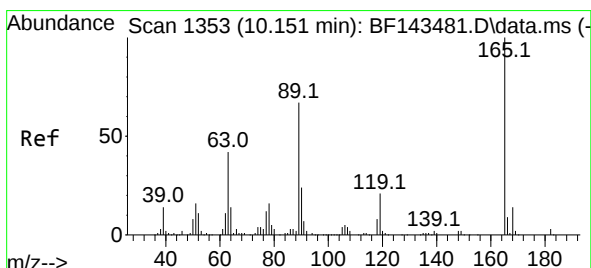
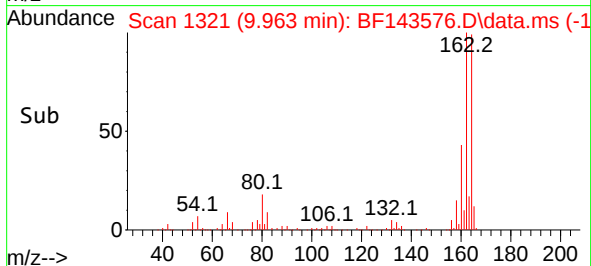
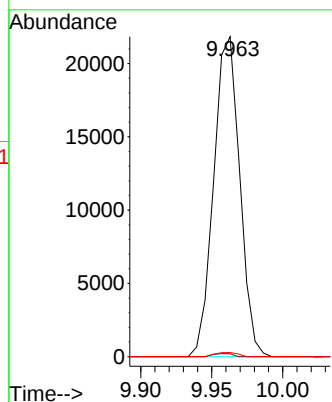
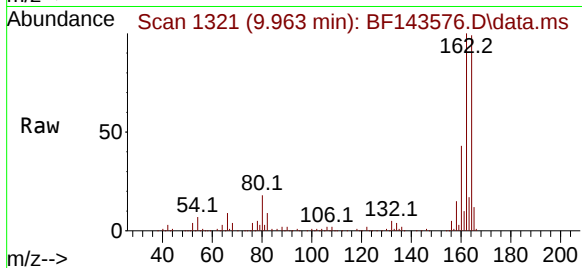
Tgt Ion:165 Resp: 27794

Ion Ratio Lower Upper

165 100

63 0.9 45.0 67.6#

89 1.3 42.5 63.7#



#57

2,4-Dinitrotoluene

Concen: 7.439 ng

RT: 9.963 min Scan# 1321

Delta R.T. -0.194 min

Lab File: BF143576.D

Acq: 22 Aug 2025 16:53

Tgt Ion:165 Resp: 27794

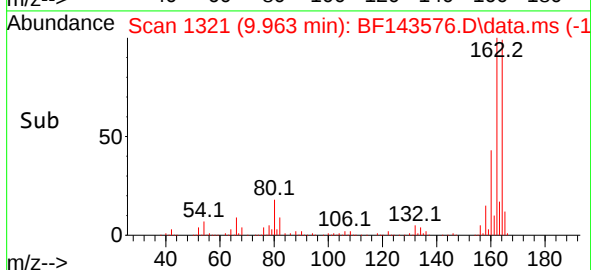
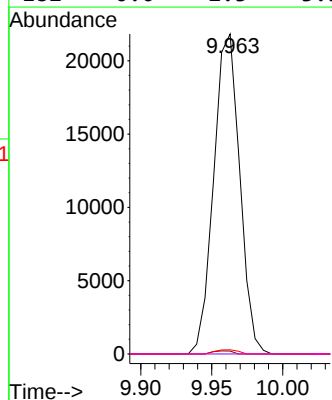
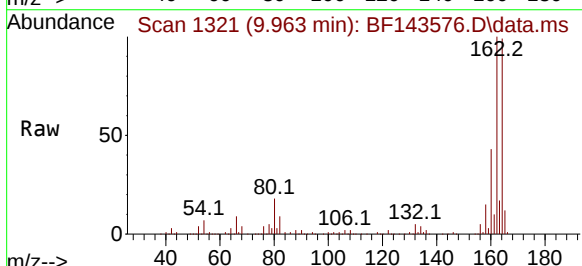
Ion Ratio Lower Upper

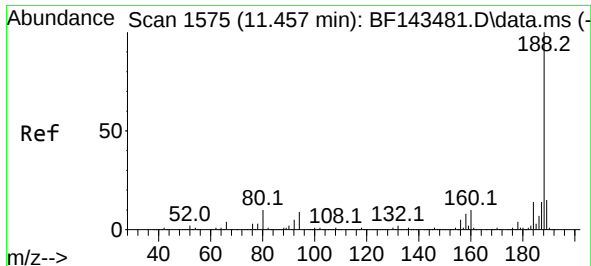
165 100

63 0.9 34.9 52.3#

89 1.3 53.3 79.9#

182 0.0 2.3 3.5#

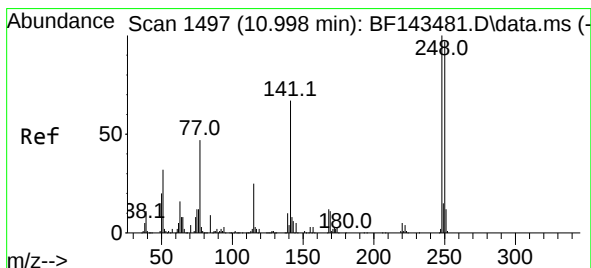
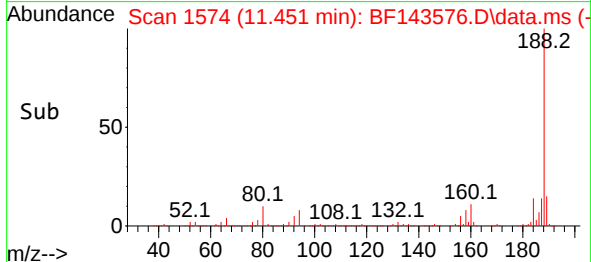
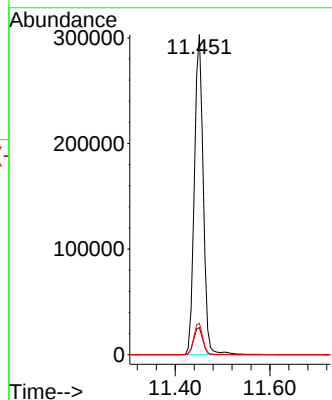
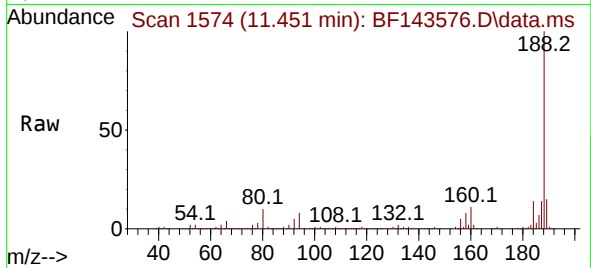




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143576.D
Acq: 22 Aug 2025 16:53

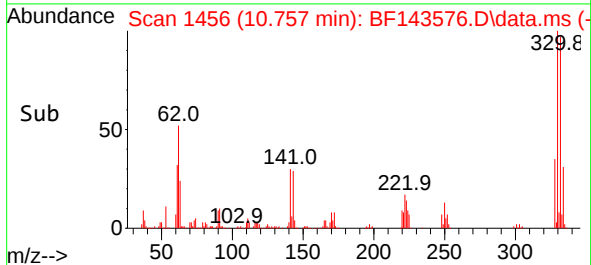
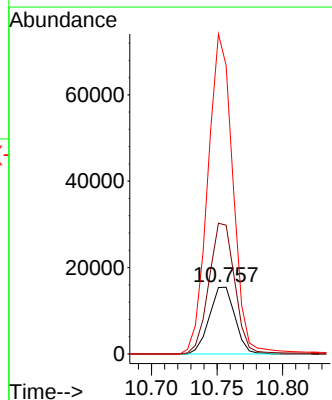
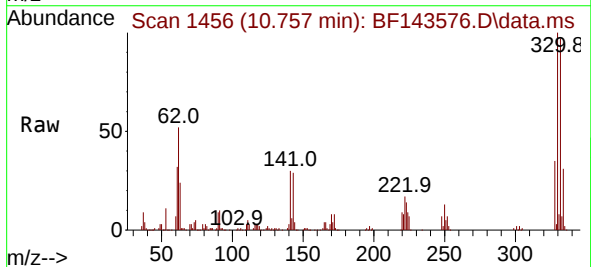
Instrument :
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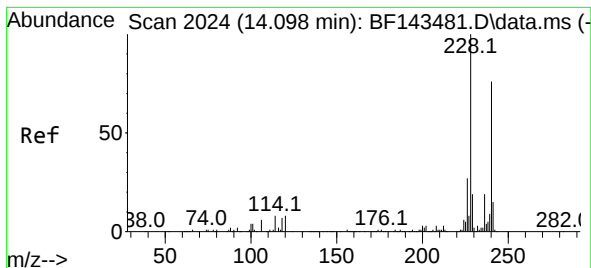
Tgt Ion:188 Resp: 393667
Ion Ratio Lower Upper
188 100
94 8.4 7.4 11.2
80 9.8 8.2 12.4



#67
4-Bromophenyl-phenylether
Concen: 4.464 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.241 min
Lab File: BF143576.D
Acq: 22 Aug 2025 16:53

Tgt Ion:248 Resp: 20966
Ion Ratio Lower Upper
248 100
250 193.2 77.8 116.8#
141 432.8 54.0 81.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.092 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF143576.D

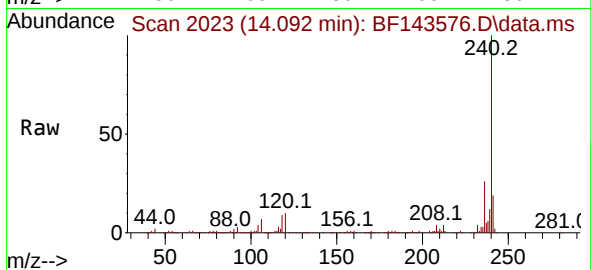
Acq: 22 Aug 2025 16:53

Instrument :

BNA_F

ClientSampleId :

MW-16B-081925



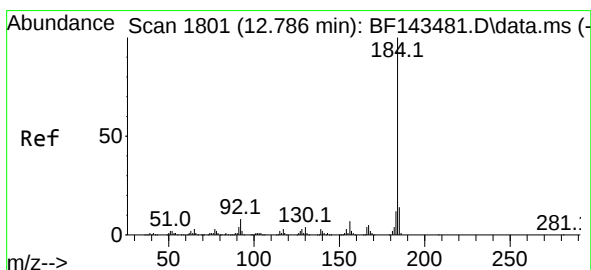
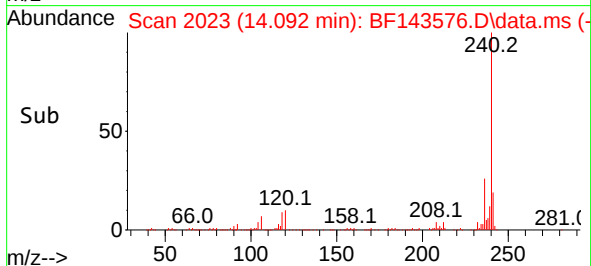
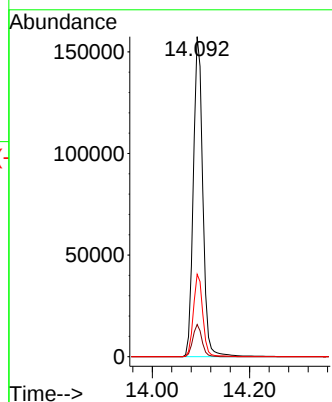
Tgt Ion:240 Resp: 213541

Ion Ratio Lower Upper

240 100

120 10.1 8.6 12.8

236 25.7 20.4 30.6



#77

Benzidine

Concen: 3.105 ng

RT: 13.033 min Scan# 1843

Delta R.T. 0.247 min

Lab File: BF143576.D

Acq: 22 Aug 2025 16:53

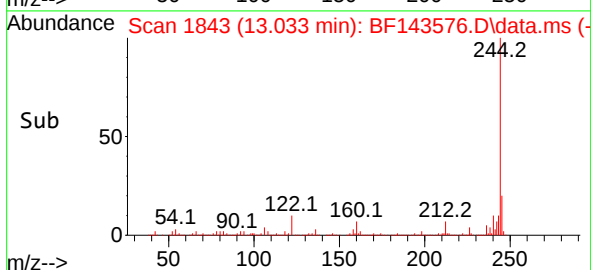
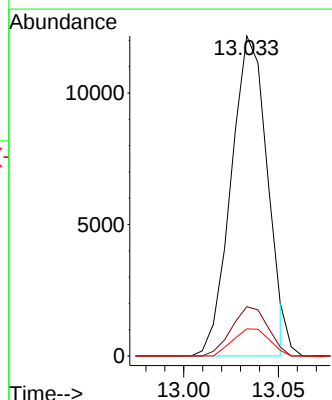
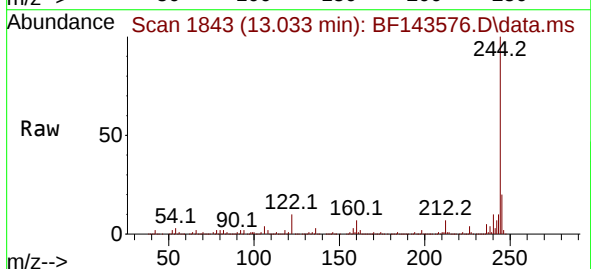
Tgt Ion:184 Resp: 16151

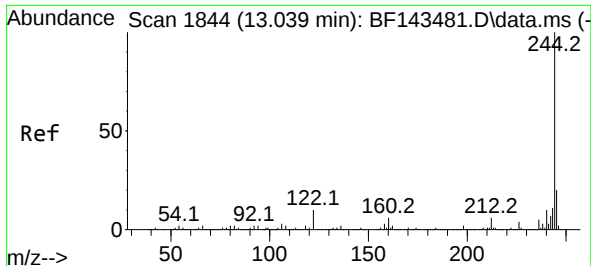
Ion Ratio Lower Upper

184 100

185 15.4 11.3 16.9

183 8.4 9.5 14.3#

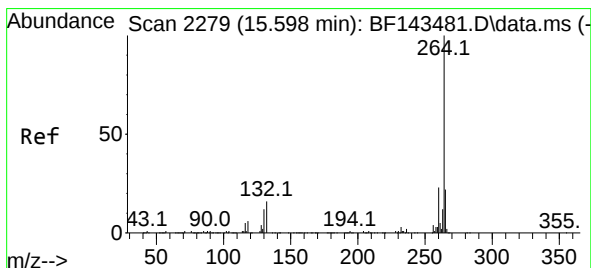
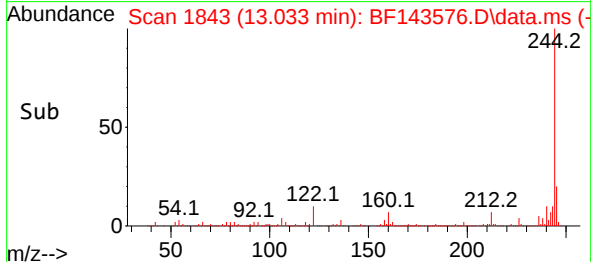
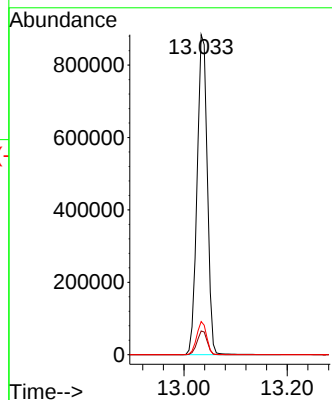
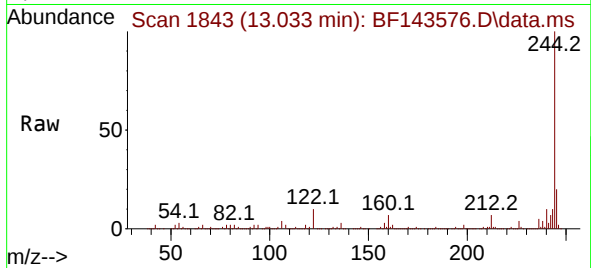




#79
 Terphenyl-d14
 Concen: 98.937 ng
 RT: 13.033 min Scan# 1844
 Delta R.T. -0.006 min
 Lab File: BF143576.D
 Acq: 22 Aug 2025 16:53

Instrument :
 BNA_F
 ClientSampleId :
 MW-16B-081925

Tgt Ion:244 Resp: 1210694
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.2 7.8
 122 10.4 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: BF143576.D
 Acq: 22 Aug 2025 16:53

Tgt Ion:264 Resp: 186593
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.7 28.1
 265 21.1 17.6 26.4

