

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143506.D
 Acq On : 21 Aug 2025 01:56
 Operator : RC/JU
 Sample : Q2819-15
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 17M-N

Quant Time: Aug 21 02:50:14 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)

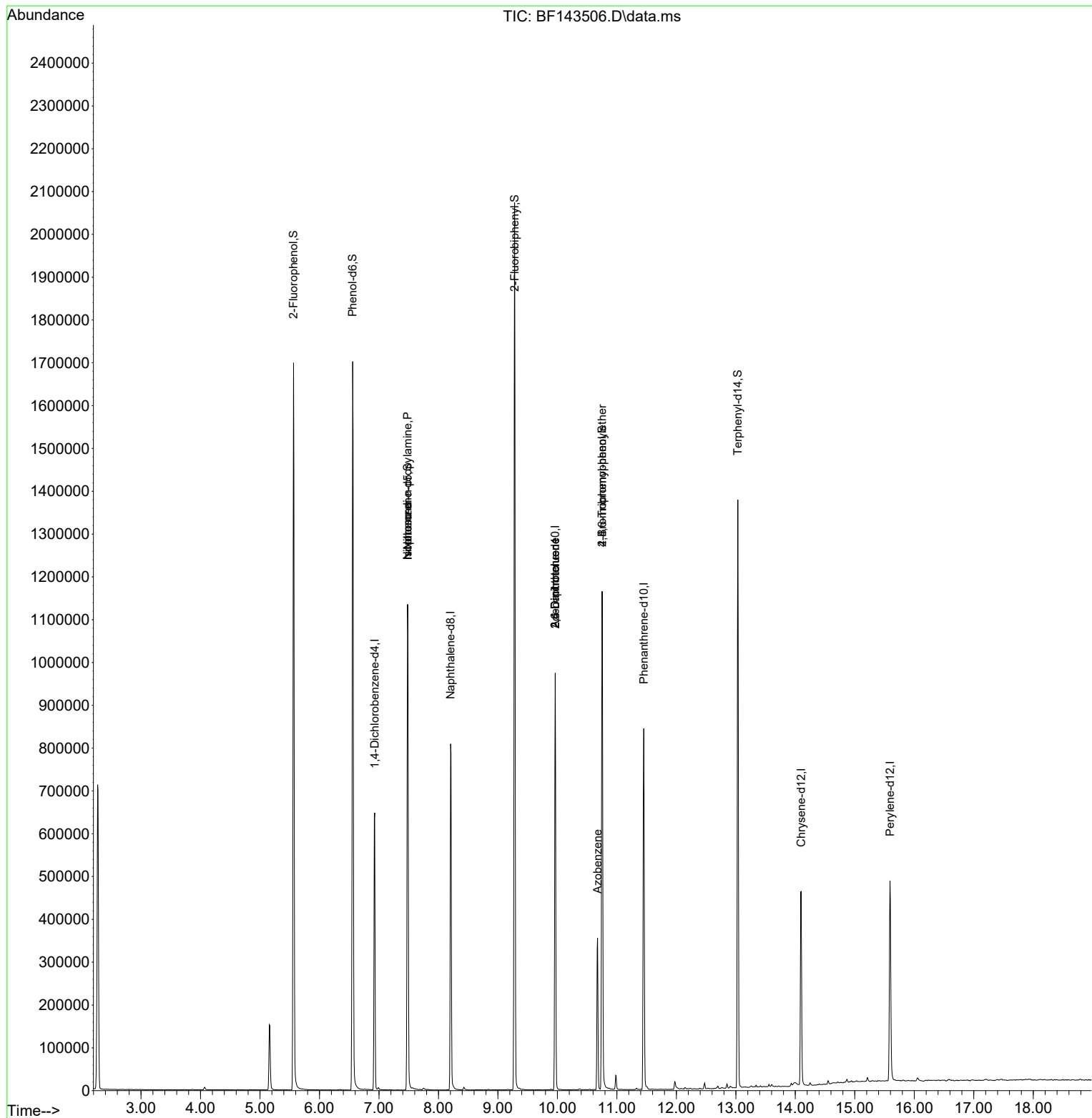
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	139750	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	529192	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	290910	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	438066	20.000	ng	0.00
76) Chrysene-d12	14.098	240	243885	20.000	ng	0.00
86) Perylene-d12	15.592	264	298964	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	617737	77.186	ng	0.00
7) Phenol-d6	6.557	99	793417	80.309	ng	-0.02
23) Nitrobenzene-d5	7.481	82	517428	57.058	ng	-0.02
42) 2,4,6-Tribromophenol	10.751	330	206516	76.263	ng	-0.01
45) 2-Fluorobiphenyl	9.281	172	899741	51.115	ng	0.00
79) Terphenyl-d14	13.033	244	661572	47.337	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	68962	11.420	ng	# 78
25) Isophorone	7.481	82	501231	30.152	ng	# 65
51) 2,6-Dinitrotoluene	9.963	165	36944	10.174	ng	# 26
57) 2,4-Dinitrotoluene	9.963	165	36944	7.619	ng	# 26
63) Azobenzene	10.675	77	91669	5.628	ng	# 1
67) 4-Bromophenyl-phenylether	10.751	248	13863	2.652	ng	# 1

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

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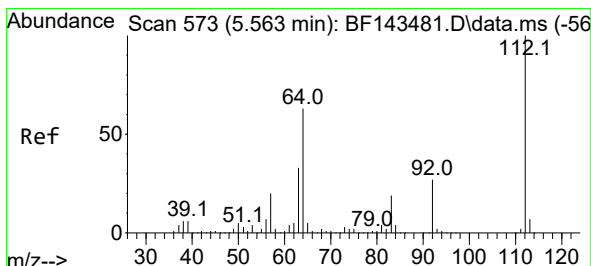
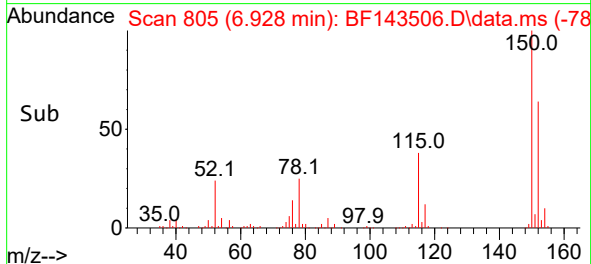
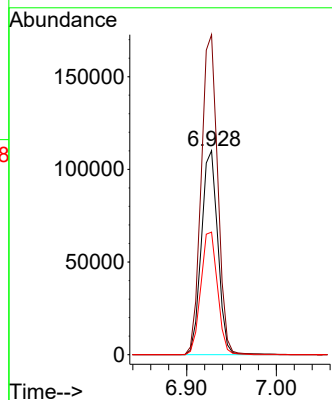
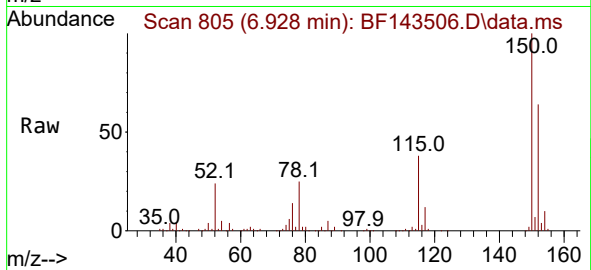




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143506.D
Acq: 21 Aug 2025 01:56

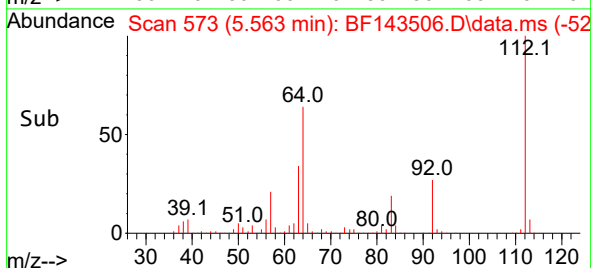
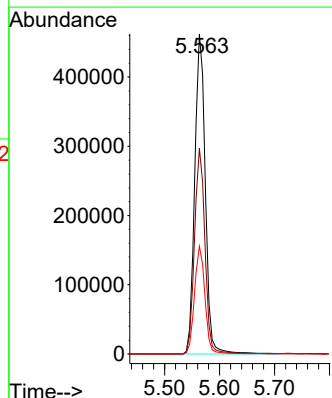
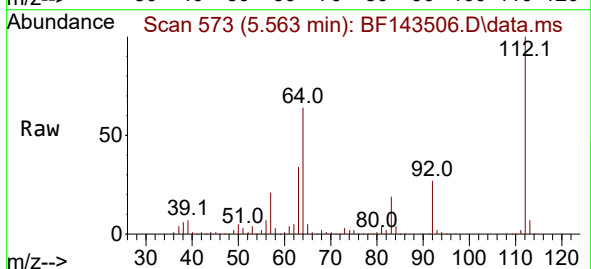
Instrument :
BNA_F
ClientSampleId :
17M-N

Tgt Ion:152 Resp: 139750
Ion Ratio Lower Upper
152 100
150 156.9 128.9 193.3
115 60.1 49.2 73.8



#5
2-Fluorophenol
Concen: 77.186 ng
RT: 5.563 min Scan# 573
Delta R.T. -0.000 min
Lab File: BF143506.D
Acq: 21 Aug 2025 01:56

Tgt Ion:112 Resp: 617737
Ion Ratio Lower Upper
112 100
64 64.3 50.4 75.6
63 33.6 26.4 39.6

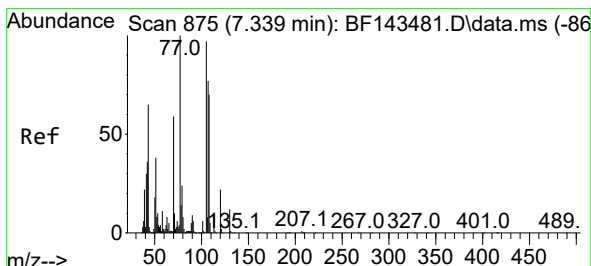
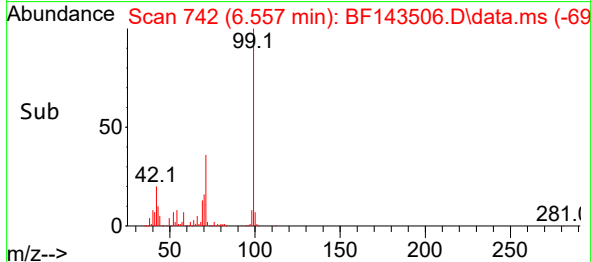
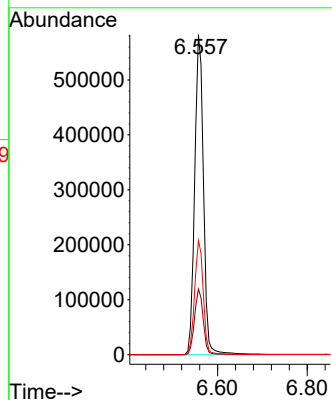
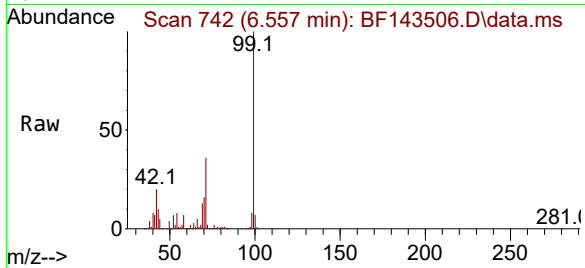




#7
Phenol-d6
Concen: 80.309 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF143506.D
Acq: 21 Aug 2025 01:56

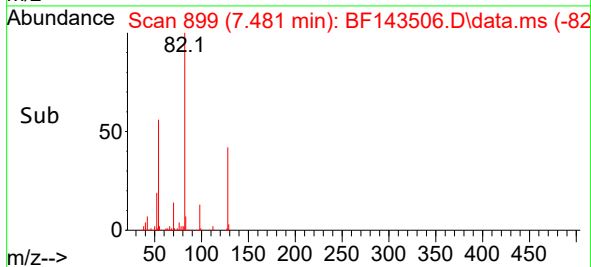
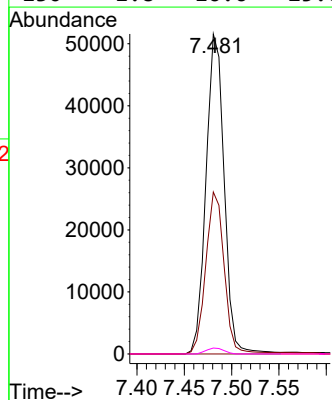
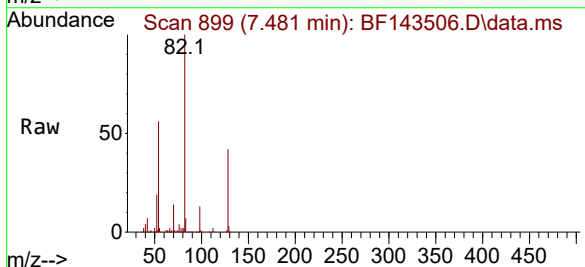
Instrument :
BNA_F
ClientSampleId :
17M-N

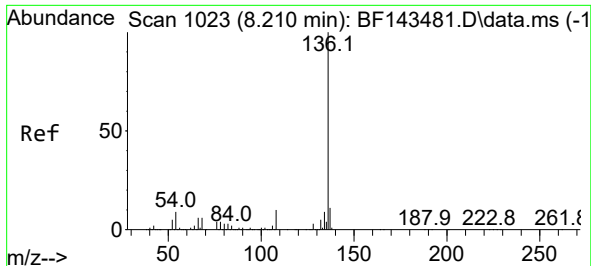
Tgt Ion: 99 Resp: 793417
Ion Ratio Lower Upper
99 100
42 20.5 16.3 24.5
71 35.7 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.420 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.129 min
Lab File: BF143506.D
Acq: 21 Aug 2025 01:56

Tgt Ion: 70 Resp: 68962
Ion Ratio Lower Upper
70 100
42 50.6 49.3 73.9
101 0.0 7.8 11.8#
130 1.8 16.6 25.0#



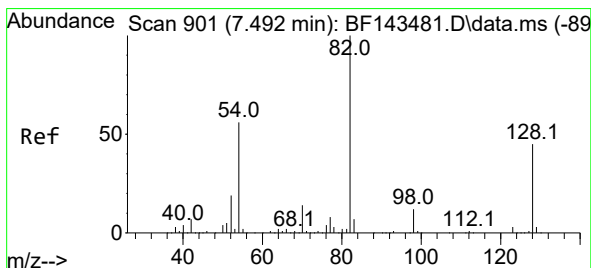
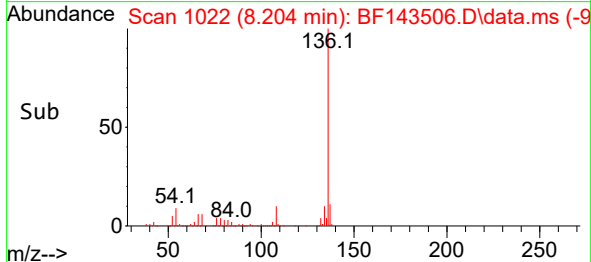
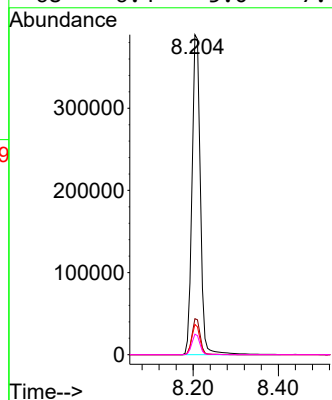
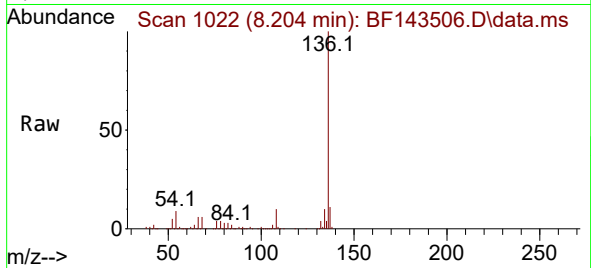


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF143506.D
Acq: 21 Aug 2025 01:56

Instrument :
BNA_F
ClientSampleId :
17M-N

Tgt Ion:136 Resp: 529192

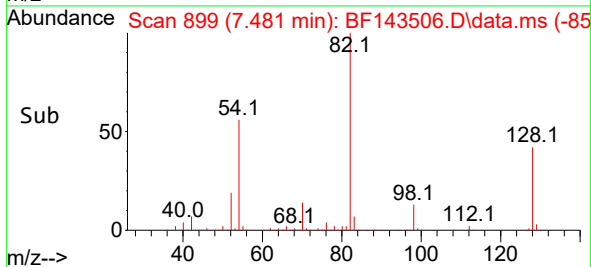
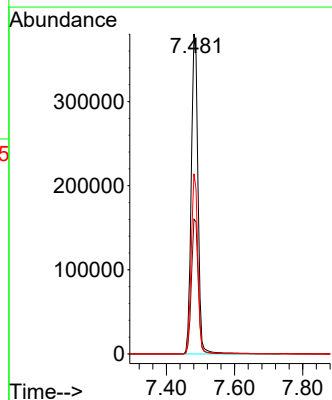
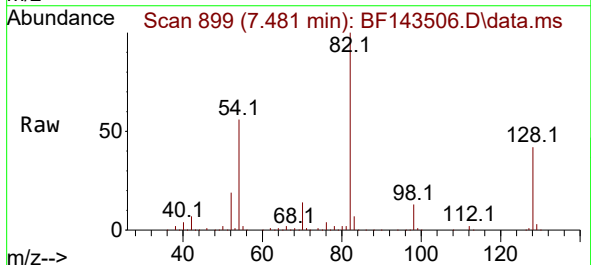
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	9.5	7.4	11.2
68	6.4	5.0	7.4

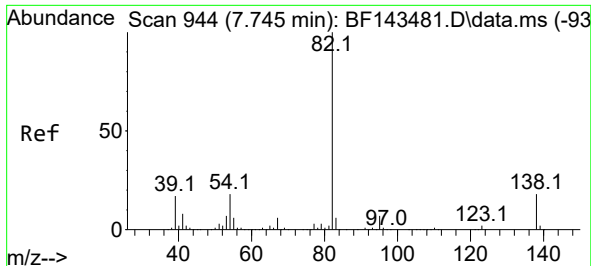


#23
Nitrobenzene-d5
Concen: 57.058 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.018 min
Lab File: BF143506.D
Acq: 21 Aug 2025 01:56

Tgt Ion: 82 Resp: 517428

Ion	Ratio	Lower	Upper
82	100		
128	42.1	35.5	53.3
54	56.3	44.3	66.5

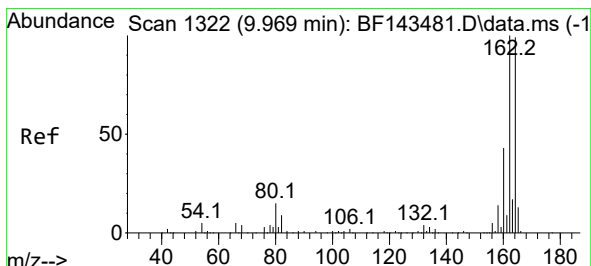
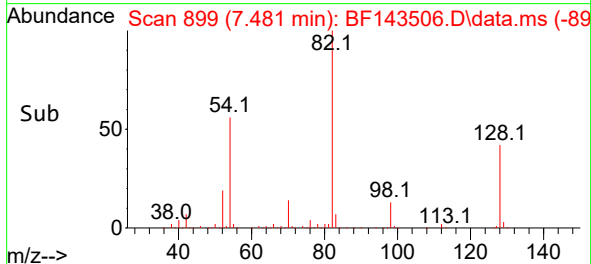
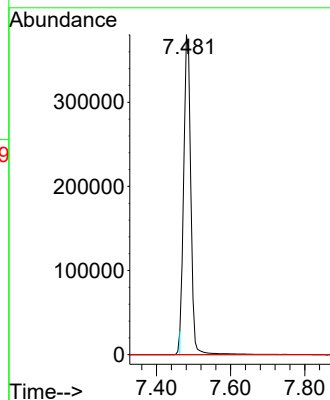
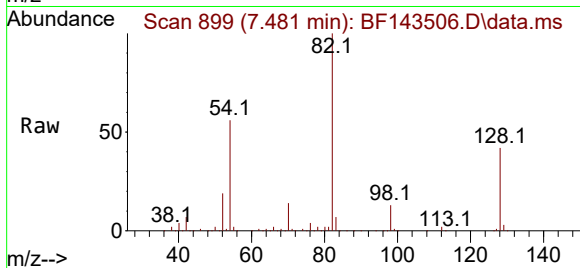




#25
Isophorone
Concen: 30.152 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.276 min
Lab File: BF143506.D
Acq: 21 Aug 2025 01:56

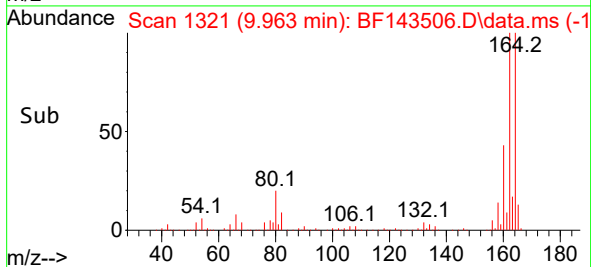
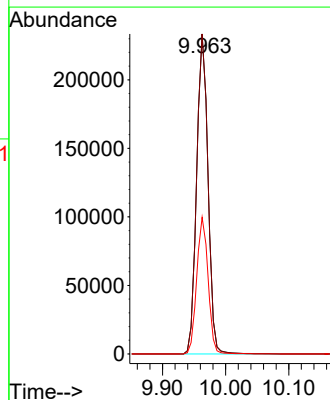
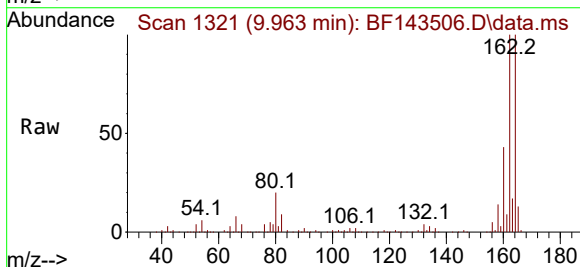
Instrument :
BNA_F
ClientSampleId :
17M-N

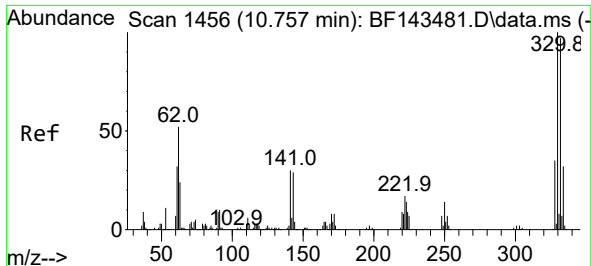
Tgt Ion: 82 Resp: 501231
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.2 21.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF143506.D
Acq: 21 Aug 2025 01:56

Tgt Ion:164 Resp: 290910
Ion Ratio Lower Upper
164 100
162 100.0 80.5 120.7
160 42.7 34.3 51.5





#42

2,4,6-Tribromophenol

Concen: 76.263 ng

RT: 10.751 min Scan# 1456

Delta R.T. -0.012 min

Lab File: BF143506.D

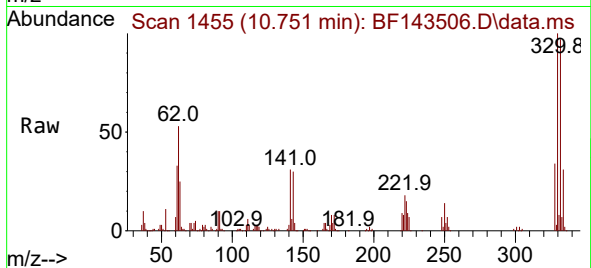
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Instrument :

BNA_F

ClientSampleId :

17M-N



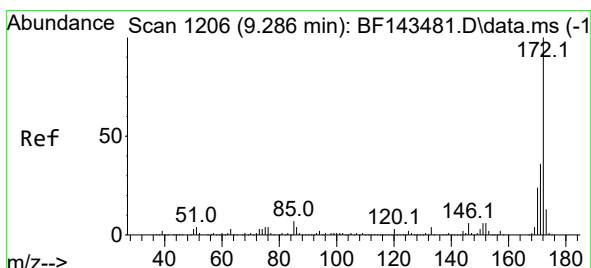
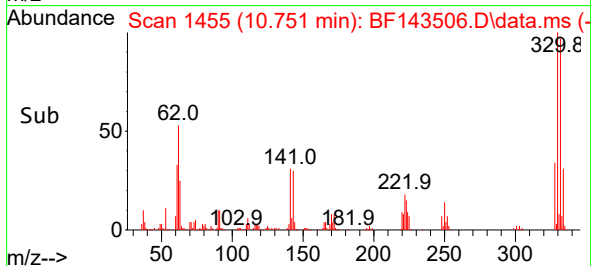
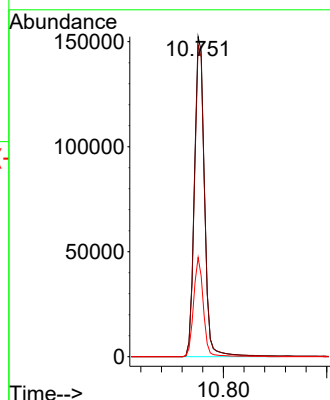
Tgt Ion:330 Resp: 206516

Ion Ratio Lower Upper

330 100

332 97.7 78.0 117.0

141 30.0 23.7 35.5



#45

2-Fluorobiphenyl

Concen: 51.115 ng

RT: 9.281 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF143506.D

Acq: 21 Aug 2025 01:56

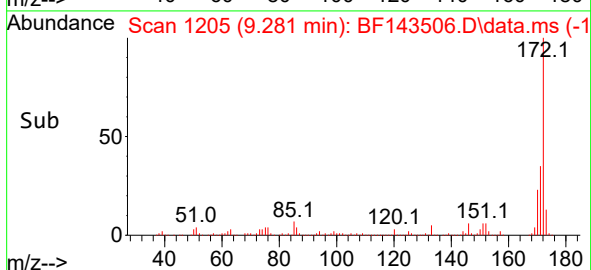
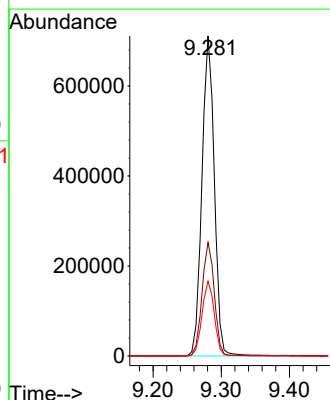
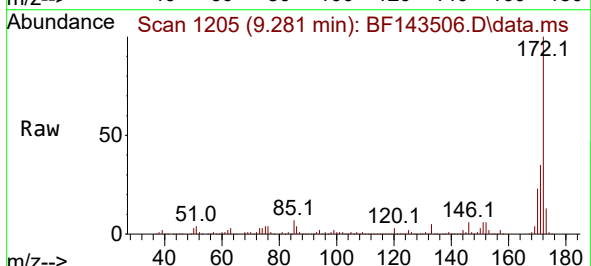
Tgt Ion:172 Resp: 899741

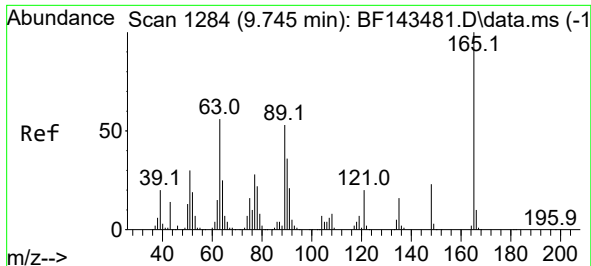
Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 23.4 18.8 28.2

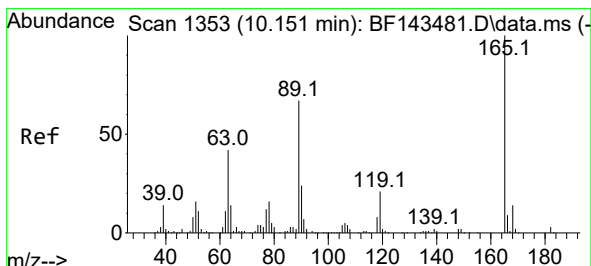
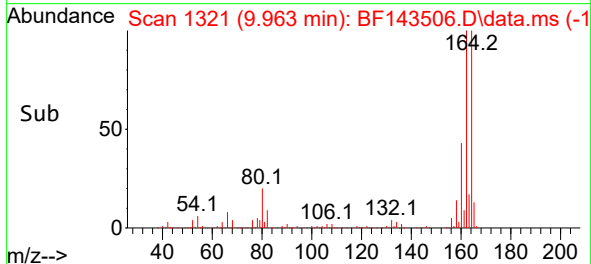
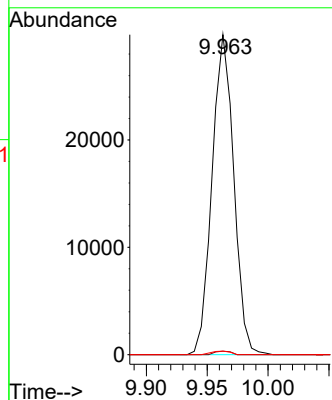
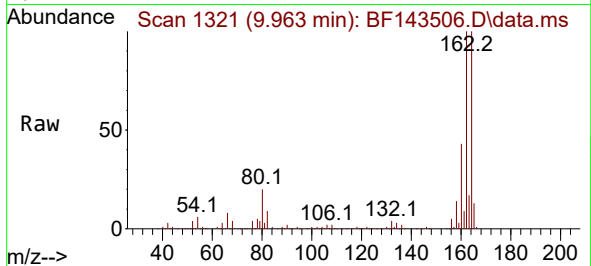




#51
2,6-Dinitrotoluene
Concen: 10.174 ng
RT: 9.963 min Scan# 1321
Delta R.T. 0.212 min
Lab File: BF143506.D
Acq: 21 Aug 2025 01:56

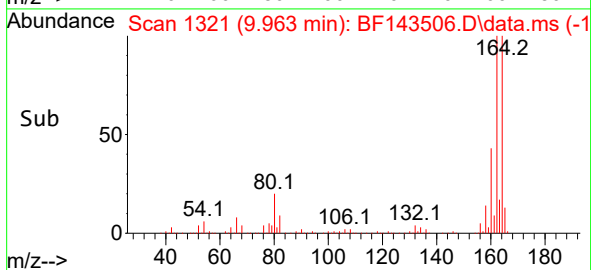
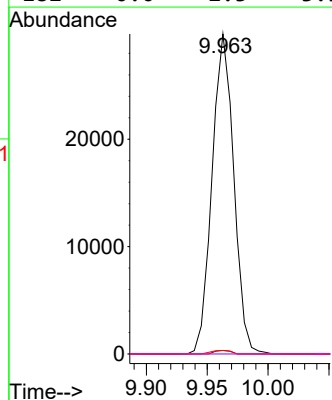
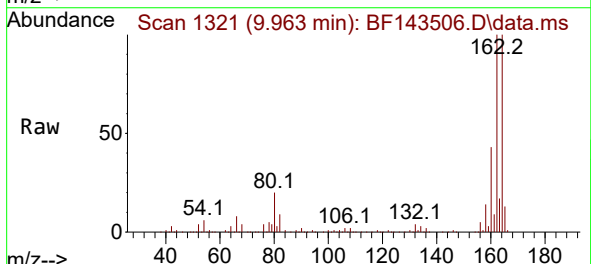
Instrument :
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17M-N

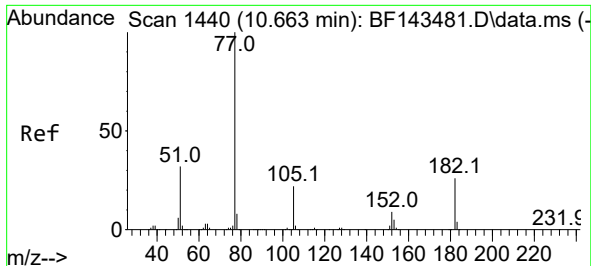
Tgt Ion:165 Resp: 36944
Ion Ratio Lower Upper
165 100
63 1.1 45.0 67.6#
89 1.1 42.5 63.7#



#57
2,4-Dinitrotoluene
Concen: 7.619 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.194 min
Lab File: BF143506.D
Acq: 21 Aug 2025 01:56

Tgt Ion:165 Resp: 36944
Ion Ratio Lower Upper
165 100
63 1.1 34.9 52.3#
89 1.1 53.3 79.9#
182 0.0 2.3 3.5#

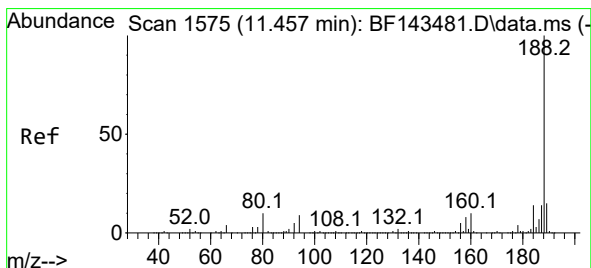
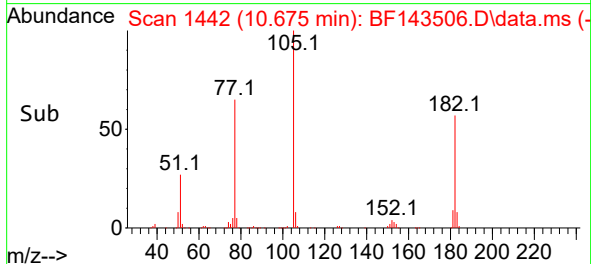
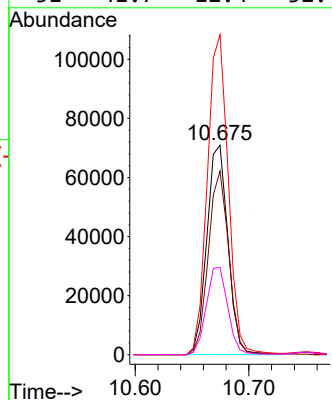
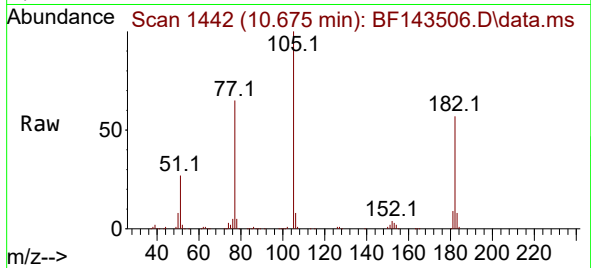




#63
Azobenzene
Concen: 5.628 ng
RT: 10.675 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143506.D
Acq: 21 Aug 2025 01:56

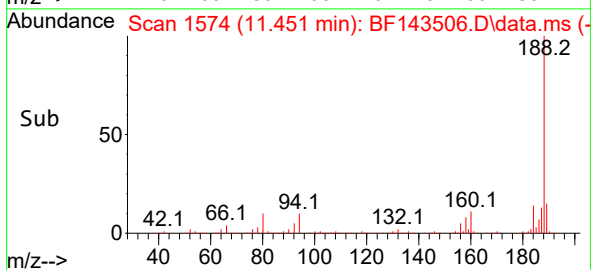
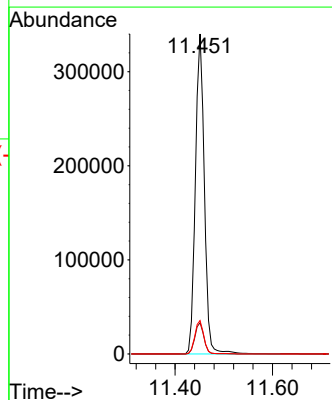
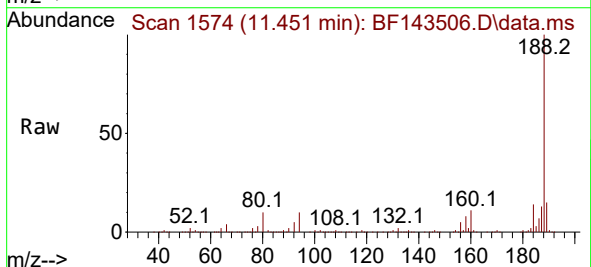
Instrument :
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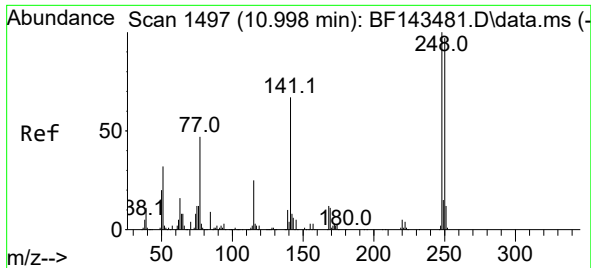
Tgt Ion: 77 Resp: 91669
Ion Ratio Lower Upper
77 100
182 87.7 6.2 46.2#
105 152.8 2.2 42.2#
51 41.7 12.4 52.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF143506.D
Acq: 21 Aug 2025 01:56

Tgt Ion: 188 Resp: 438066
Ion Ratio Lower Upper
188 100
94 9.8 7.4 11.2
80 10.4 8.2 12.4

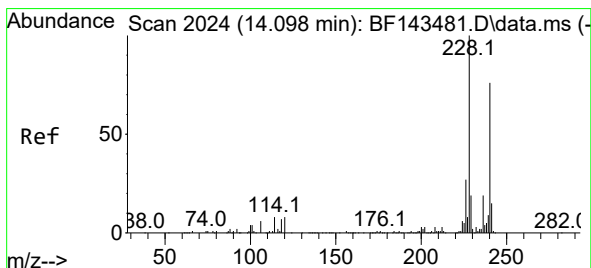
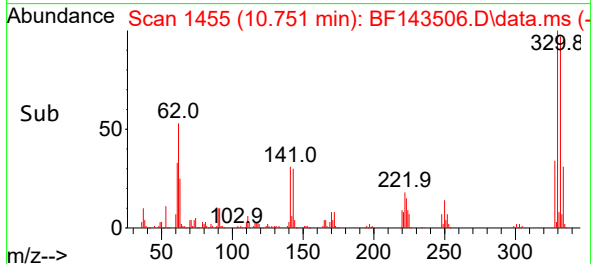
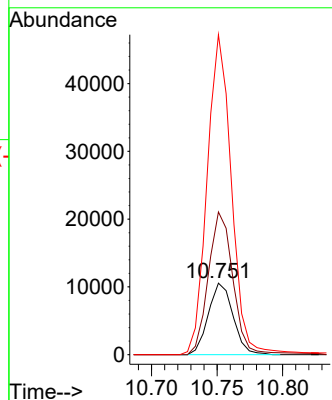
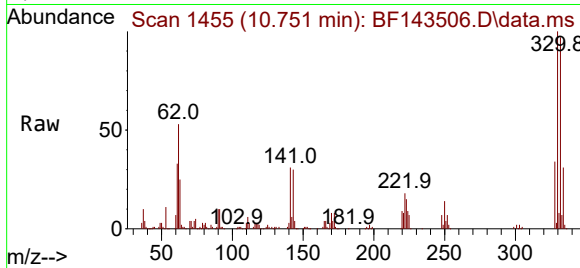




#67
4-Bromophenyl-phenylether
Concen: 2.652 ng
RT: 10.751 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF143506.D
Acq: 21 Aug 2025 01:56

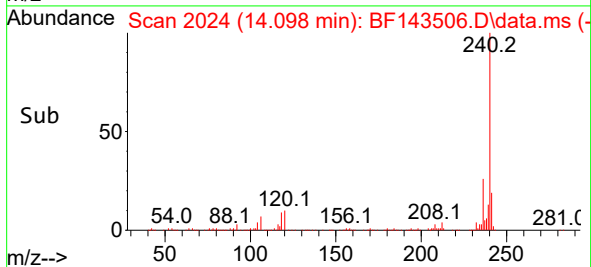
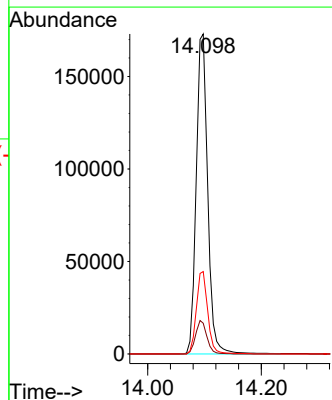
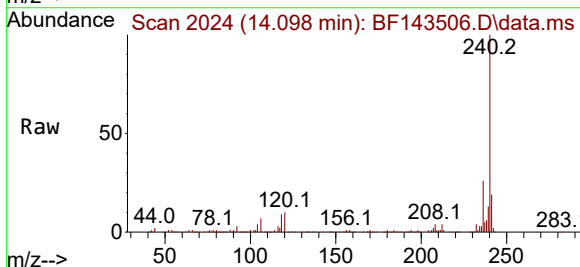
Instrument :
BNA_F
ClientSampleId :
17M-N

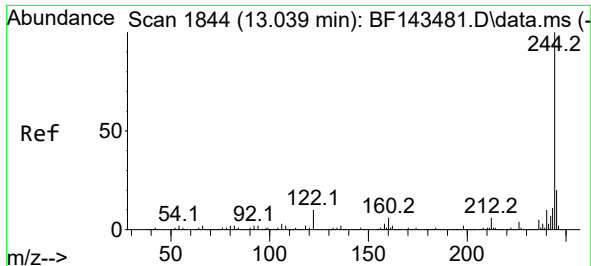
Tgt Ion:248 Resp: 13863
Ion Ratio Lower Upper
248 100
250 199.7 77.8 116.8#
141 447.5 54.0 81.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143506.D
Acq: 21 Aug 2025 01:56

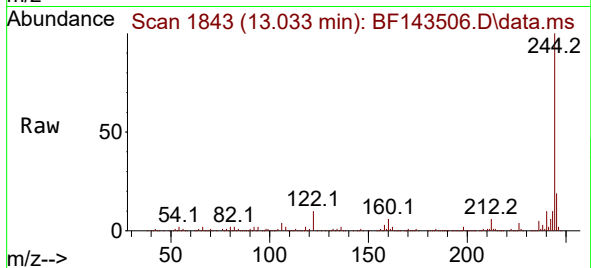
Tgt Ion:240 Resp: 243885
Ion Ratio Lower Upper
240 100
120 9.6 8.6 12.8
236 25.8 20.4 30.6



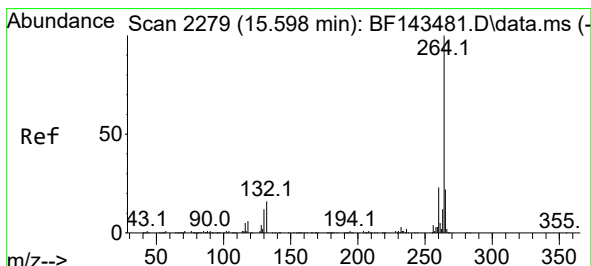
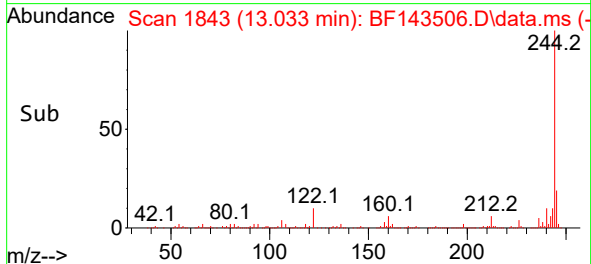
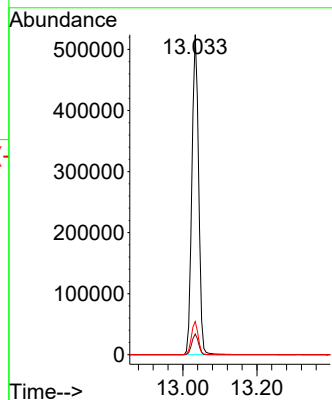


#79
 Terphenyl-d14
 Concen: 47.337 ng
 RT: 13.033 min Scan# 1844
 Delta R.T. -0.006 min
 Lab File: BF143506.D
 Acq: 21 Aug 2025 01:56

Instrument :
 BNA_F
 ClientSampleId :
 17M-N



Tgt Ion:244 Resp: 661572
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.2 7.8
 122 10.3 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: BF143506.D
 Acq: 21 Aug 2025 01:56

Tgt Ion:264 Resp: 298964
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.7 28.1
 265 21.6 17.6 26.4

