

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143380.D
 Acq On : 14 Aug 2025 14:25
 Operator : RC/JU
 Sample : Q2814-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-17M-N

Quant Time: Aug 14 14:45:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

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

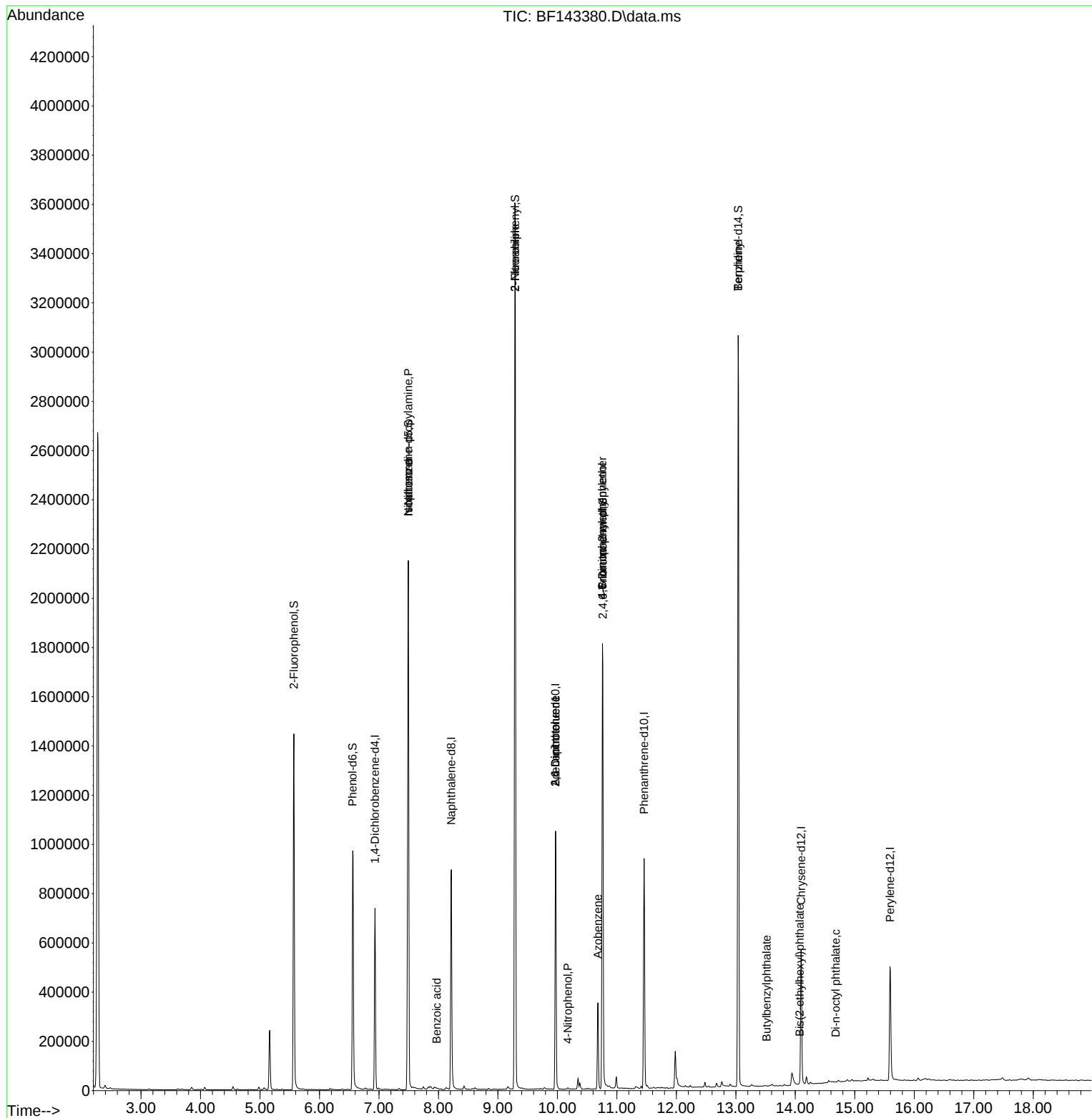
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	147922	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	579548	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	306866	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	472081	20.000	ng	0.00
76) Chrysene-d12	14.098	240	277273	20.000	ng	0.00
86) Perylene-d12	15.592	264	296651	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	521391	60.952	ng	0.00
7) Phenol-d6	6.557	99	467483	42.617	ng	0.00
23) Nitrobenzene-d5	7.492	82	981585	105.473	ng	0.00
42) 2,4,6-Tribromophenol	10.763	330	330009	147.152	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1671589	92.373	ng	0.00
79) Terphenyl-d14	13.039	244	1535219	98.851	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.492	70	130123	19.198	ng	# 79
25) Isophorone	7.492	82	954100	50.219	ng	# 65
32) Benzoic acid	7.969	122	282	3.558	ng	# 89
48) 2-Nitroaniline	9.286	65	2914	3.323	ng	# 1
51) 2,6-Dinitrotoluene	9.969	165	38927	13.727	ng	# 21
56) 4-Nitrophenol	10.174	139	283	5.566	ng	# 5
57) 2,4-Dinitrotoluene	9.969	165	38927	11.116	ng	# 20
63) Azobenzene	10.680	77	85803	4.677	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.757	198	662	7.555	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	21467	3.976	ng	# 1
77) Benzidine	13.039	184	17857	2.356	ng	# 95
80) Butylbenzylphthalate	13.515	149	902	3.533	ng	# 81
84) Bis(2-ethylhexyl)phtha...	14.074	149	3346	4.443	ng	# 97
85) Di-n-octyl phthalate	14.680	149	347	6.047	ng	# 30

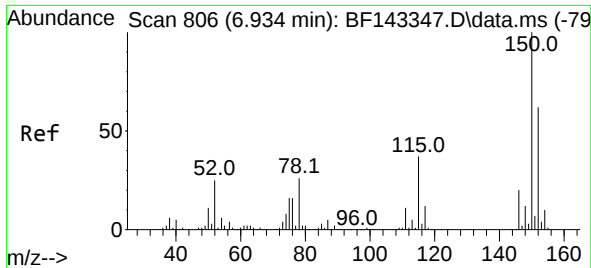
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
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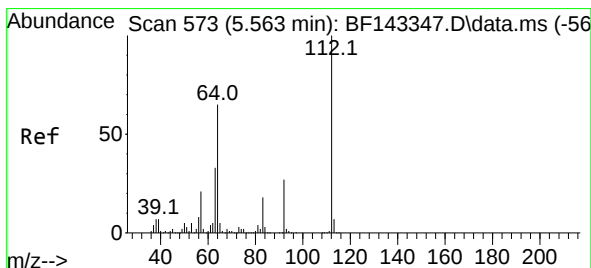
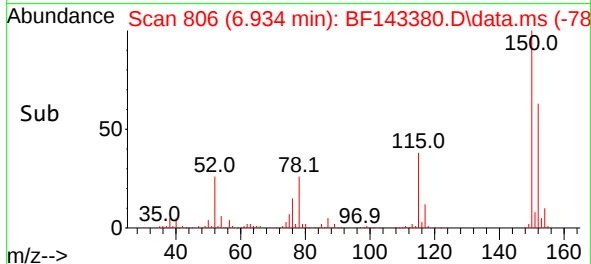
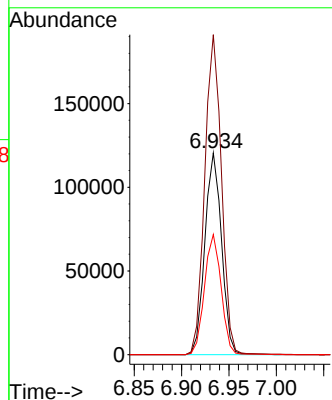
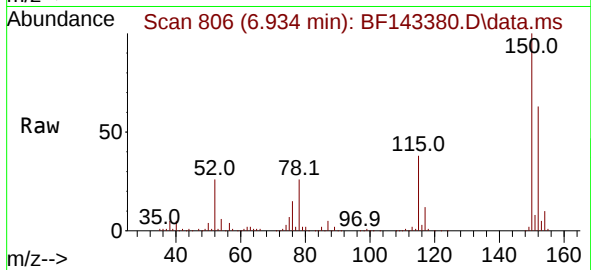




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.934 min Scan# 806
 Delta R.T. -0.000 min
 Lab File: BF143380.D
 Acq: 14 Aug 2025 14:25

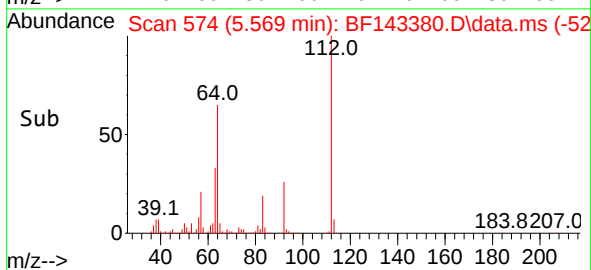
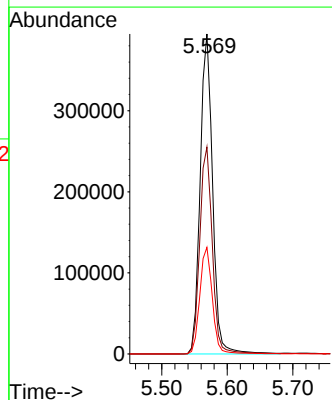
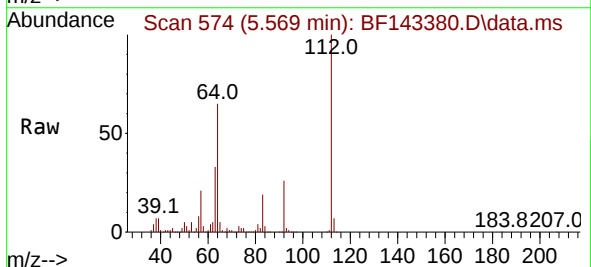
Instrument :
 BNA_F
 ClientSampleId :
 TW-17M-N

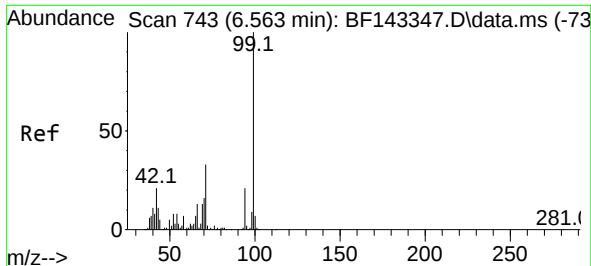
Tgt Ion:152 Resp: 147922
 Ion Ratio Lower Upper
 152 100
 150 158.6 129.8 194.8
 115 59.6 47.8 71.8



#5
 2-Fluorophenol
 Concen: 60.952 ng
 RT: 5.569 min Scan# 574
 Delta R.T. 0.006 min
 Lab File: BF143380.D
 Acq: 14 Aug 2025 14:25

Tgt Ion:112 Resp: 521391
 Ion Ratio Lower Upper
 112 100
 64 64.7 52.1 78.1
 63 33.3 26.6 39.8



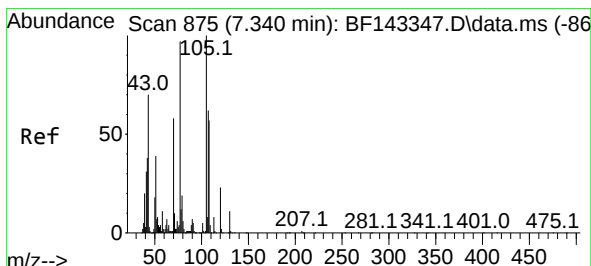
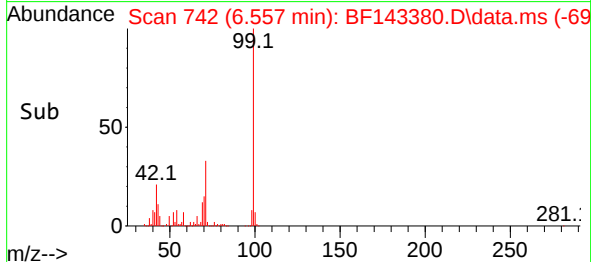
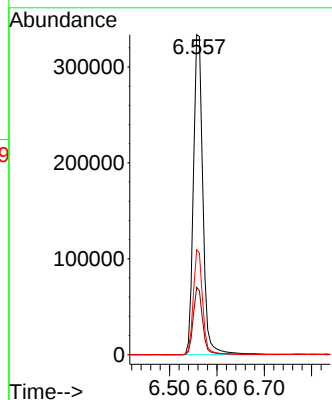
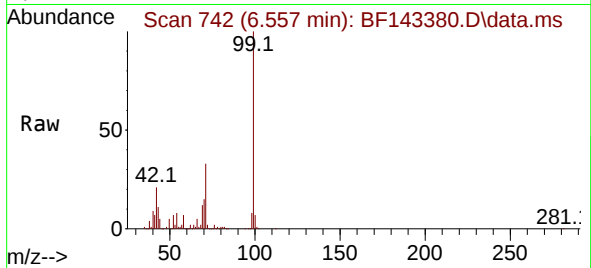


#7
Phenol-d6
Concen: 42.617 ng
RT: 6.557 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143380.D
Acq: 14 Aug 2025 14:25

Instrument :
BNA_F
ClientSampleId :
TW-17M-N

Tgt Ion: 99 Resp: 467483

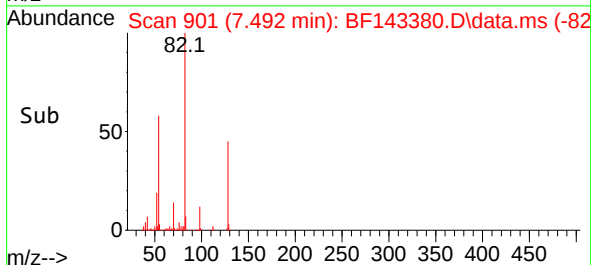
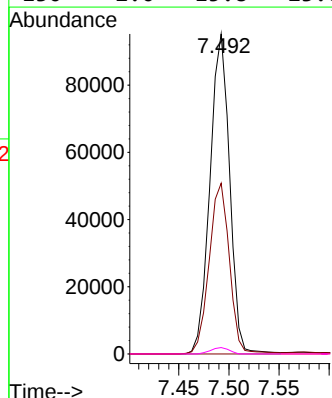
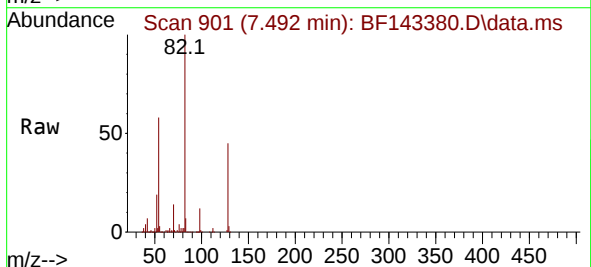
Ion	Ratio	Lower	Upper
99	100		
42	21.0	16.6	25.0
71	32.8	26.2	39.2

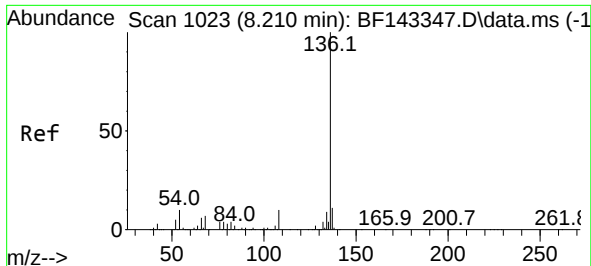


#19
n-Nitroso-di-n-propylamine
Concen: 19.198 ng
RT: 7.492 min Scan# 901
Delta R.T. 0.153 min
Lab File: BF143380.D
Acq: 14 Aug 2025 14:25

Tgt Ion: 70 Resp: 130123

Ion	Ratio	Lower	Upper
70	100		
42	53.4	51.6	77.4
101	0.0	7.5	11.3#
130	2.0	15.8	23.6#

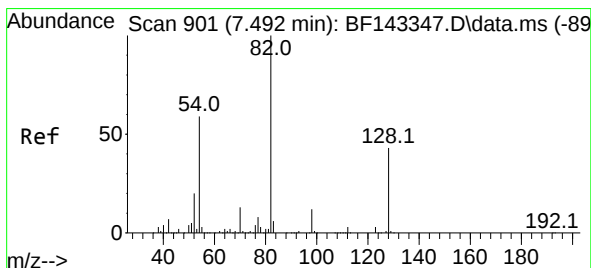
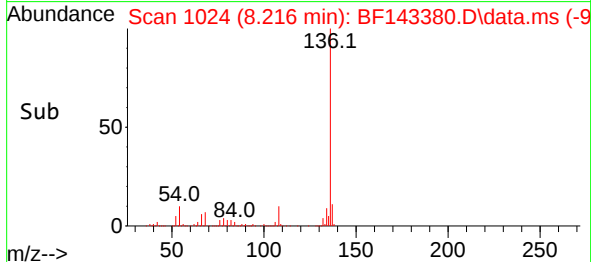
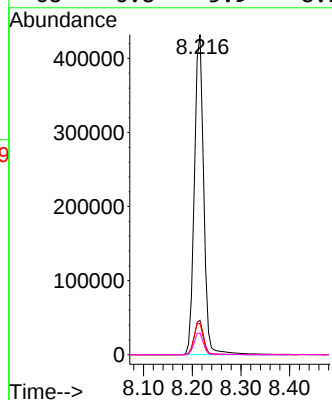
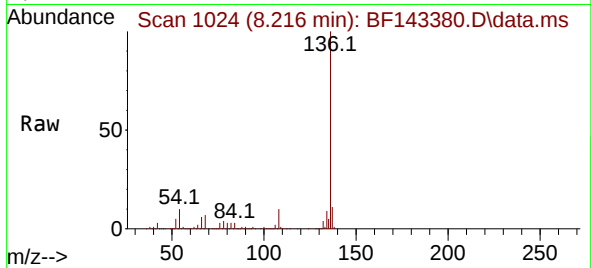




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF143380.D
Acq: 14 Aug 2025 14:25

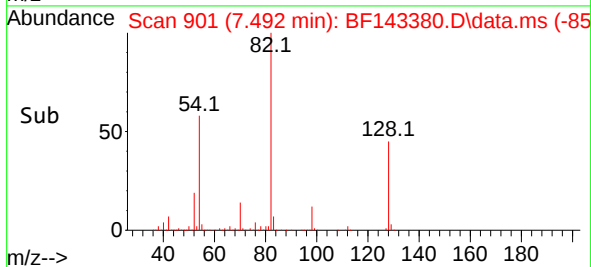
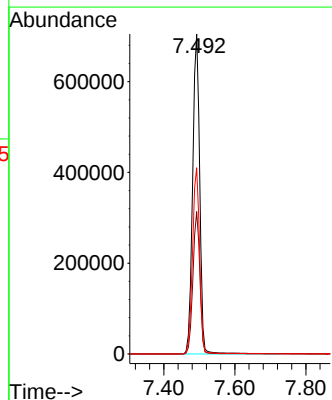
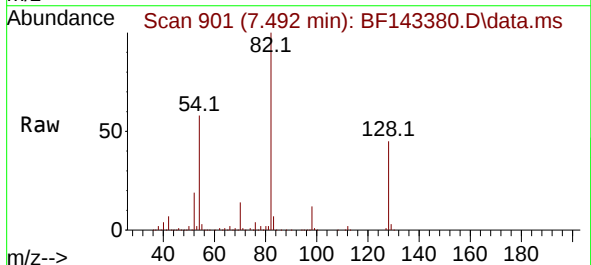
Instrument :
BNA_F
ClientSampleId :
TW-17M-N

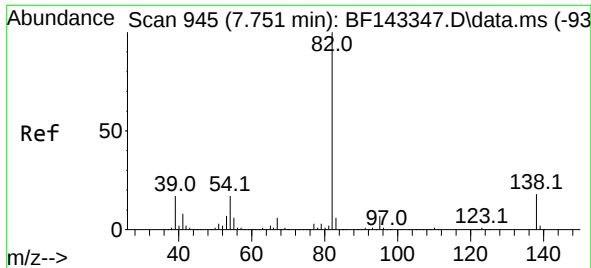
Tgt Ion:136	Resp: 579548
Ion Ratio	Lower Upper
136 100	
137 10.8	8.6 13.0
54 9.7	8.4 12.6
68 6.8	5.9 8.9



#23
Nitrobenzene-d5
Concen: 105.473 ng
RT: 7.492 min Scan# 901
Delta R.T. -0.000 min
Lab File: BF143380.D
Acq: 14 Aug 2025 14:25

Tgt Ion: 82	Resp: 981585
Ion Ratio	Lower Upper
82 100	
128 44.5	33.5 50.3
54 58.2	46.7 70.1

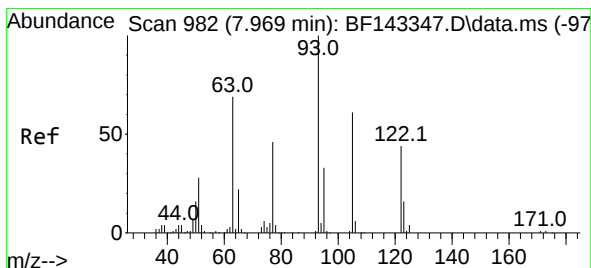
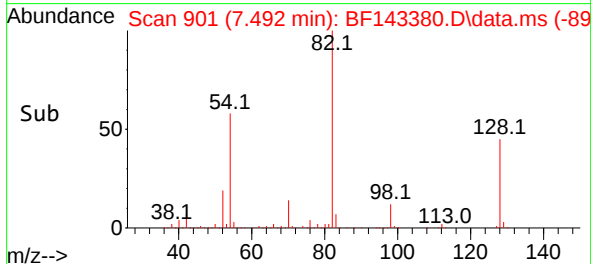
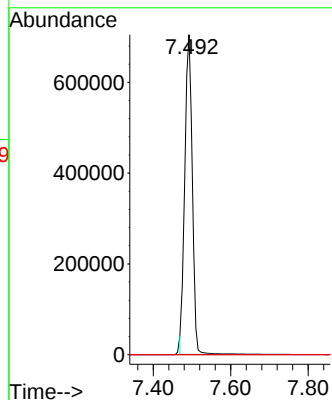
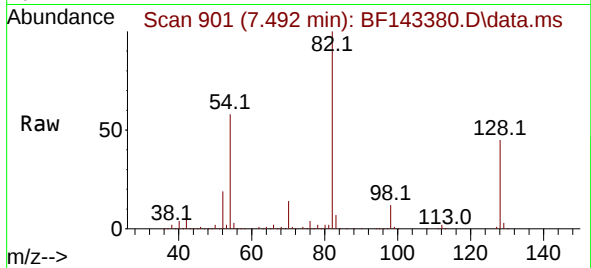




#25
Isophorone
Concen: 50.219 ng
RT: 7.492 min Scan# 901
Delta R.T. -0.259 min
Lab File: BF143380.D
Acq: 14 Aug 2025 14:25

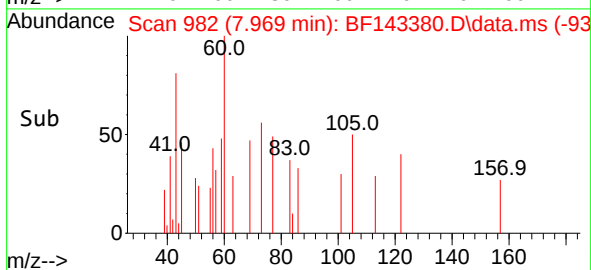
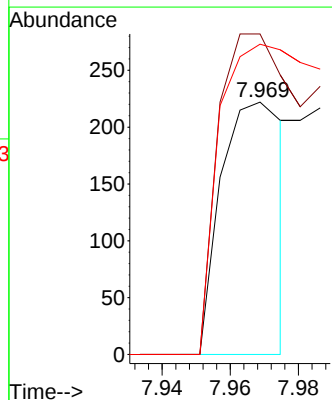
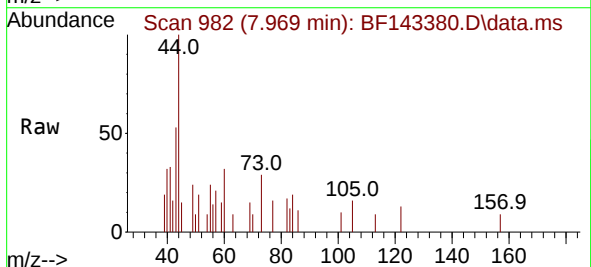
Instrument :
BNA_F
ClientSampleId :
TW-17M-N

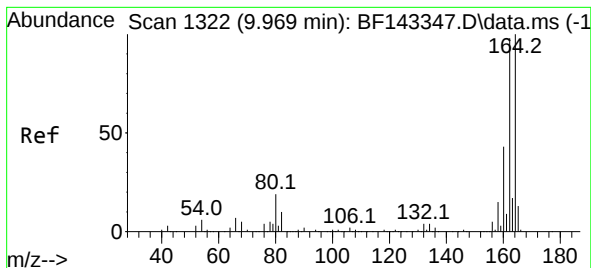
Tgt Ion: 82 Resp: 954100
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.6 21.8#



#32
Benzoic acid
Concen: 3.558 ng
RT: 7.969 min Scan# 982
Delta R.T. -0.000 min
Lab File: BF143380.D
Acq: 14 Aug 2025 14:25

Tgt Ion:122 Resp: 282
Ion Ratio Lower Upper
122 100
105 127.0 106.4 146.4
77 123.0 79.2 119.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143380.D

Acq: 14 Aug 2025 14:25

Instrument :

BNA_F

ClientSampleId :

TW-17M-N

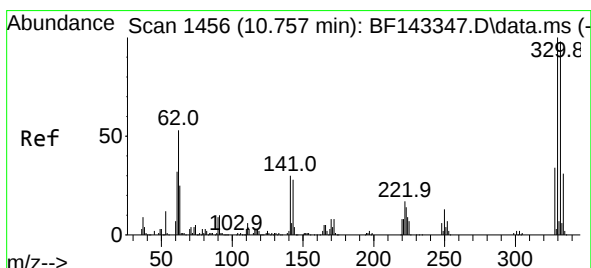
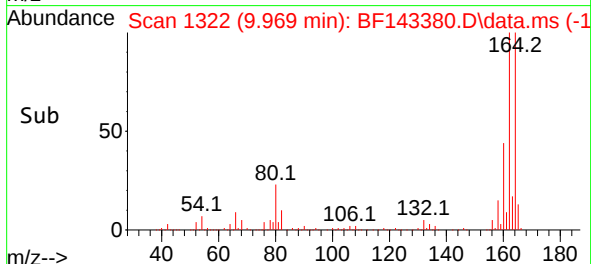
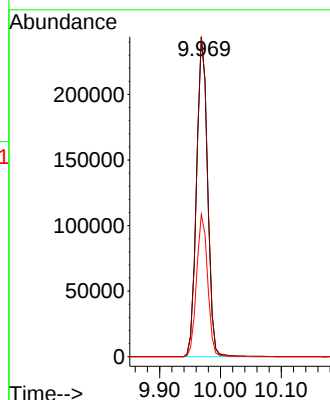
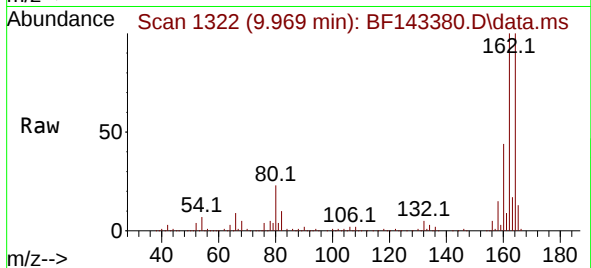
Tgt Ion:164 Resp: 306866

Ion Ratio Lower Upper

164 100

162 99.9 78.6 118.0

160 44.5 34.4 51.6



#42

2,4,6-Tribromophenol

Concen: 147.152 ng

RT: 10.763 min Scan# 1457

Delta R.T. 0.006 min

Lab File: BF143380.D

Acq: 14 Aug 2025 14:25

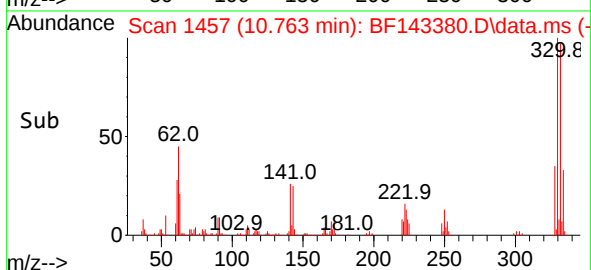
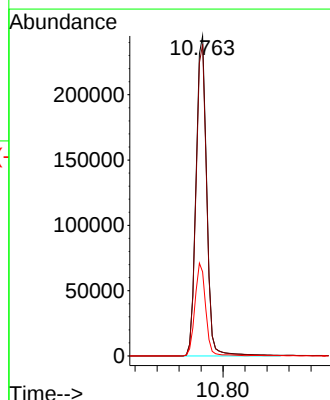
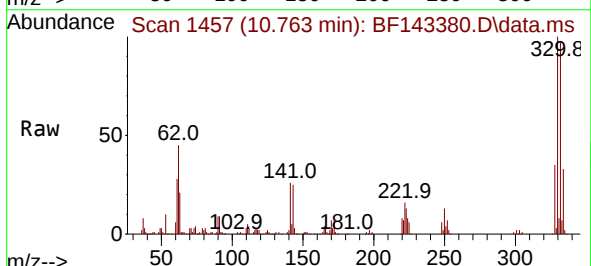
Tgt Ion:330 Resp: 330009

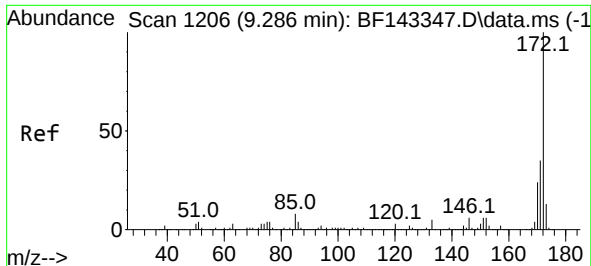
Ion Ratio Lower Upper

330 100

332 97.2 78.1 117.1

141 29.2 25.4 38.0





#45

2-Fluorobiphenyl

Concen: 92.373 ng

RT: 9.286 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143380.D

Acq: 14 Aug 2025 14:25

Instrument :

BNA_F

ClientSampleId :

TW-17M-N

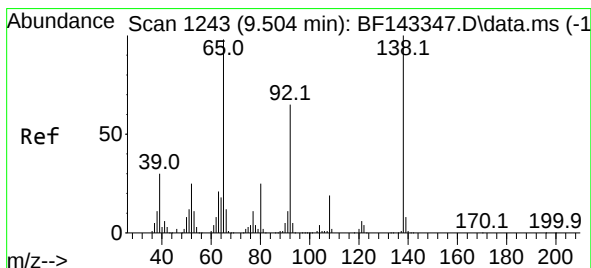
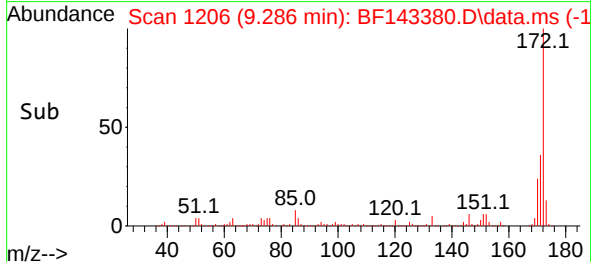
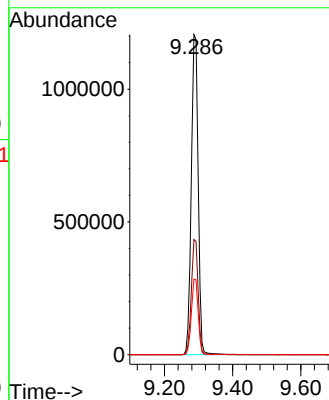
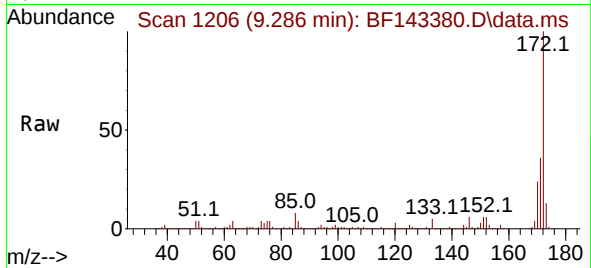
Tgt Ion:172 Resp: 1671589

Ion Ratio Lower Upper

172 100

171 36.0 28.4 42.6

170 23.6 19.1 28.7



#48

2-Nitroaniline

Concen: 3.323 ng

RT: 9.286 min Scan# 1206

Delta R.T. -0.218 min

Lab File: BF143380.D

Acq: 14 Aug 2025 14:25

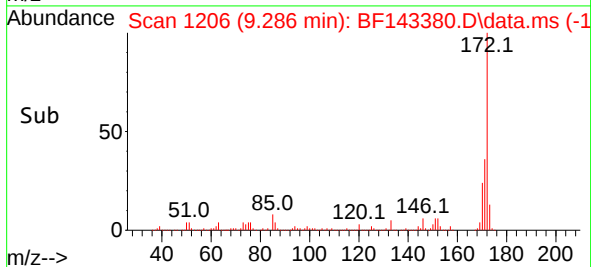
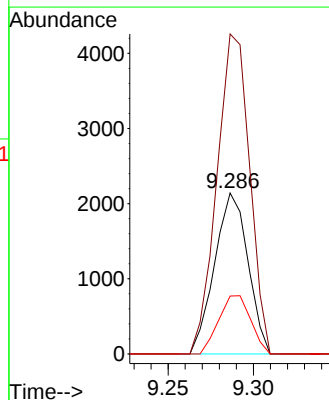
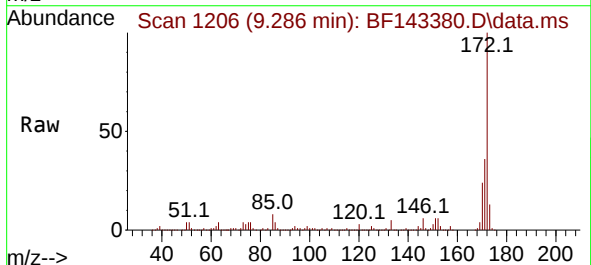
Tgt Ion: 65 Resp: 2914

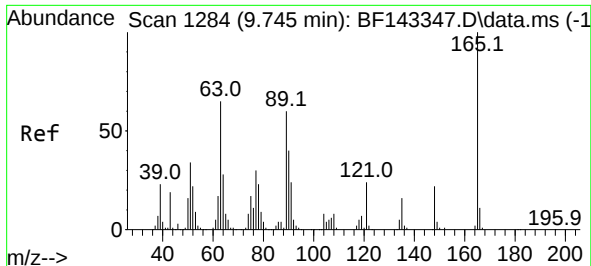
Ion Ratio Lower Upper

65 100

92 198.8 53.1 79.7#

138 36.0 81.4 122.0#





#51

2,6-Dinitrotoluene

Concen: 13.727 ng

RT: 9.969 min Scan# 11

Delta R.T. 0.224 min

Lab File: BF143380.D

Acq: 14 Aug 2025 14:25

Instrument :

BNA_F

ClientSampleId :

TW-17M-N

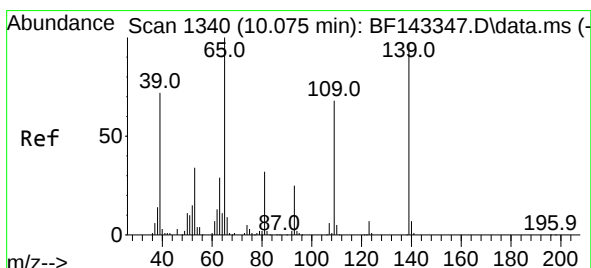
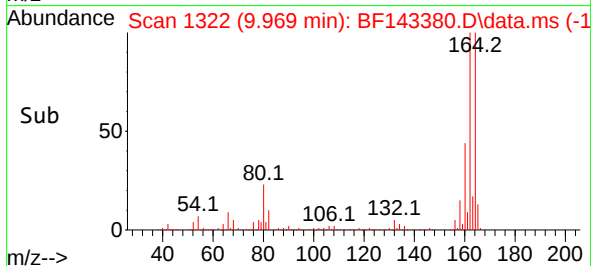
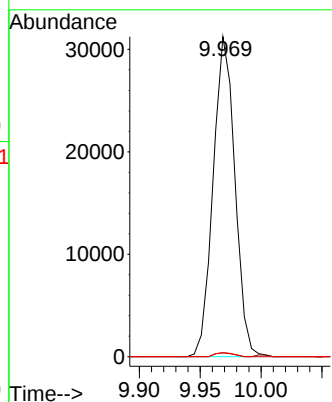
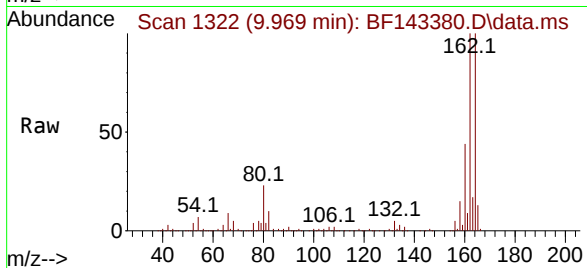
Tgt Ion:165 Resp: 38927

Ion Ratio Lower Upper

165 100

63 1.2 51.6 77.4#

89 1.3 47.7 71.5#



#56

4-Nitrophenol

Concen: 5.566 ng

RT: 10.174 min Scan# 1357

Delta R.T. 0.099 min

Lab File: BF143380.D

Acq: 14 Aug 2025 14:25

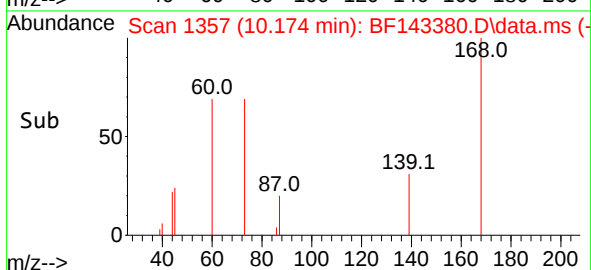
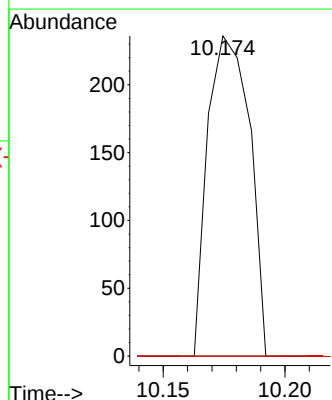
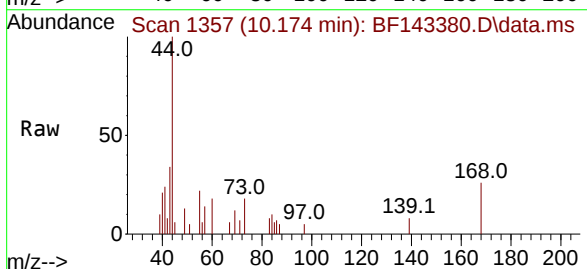
Tgt Ion:139 Resp: 283

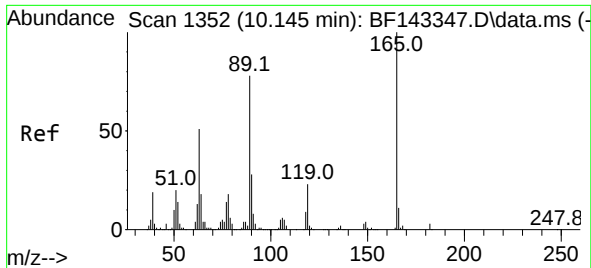
Ion Ratio Lower Upper

139 100

109 0.0 49.4 89.4#

65 0.0 83.7 123.7#

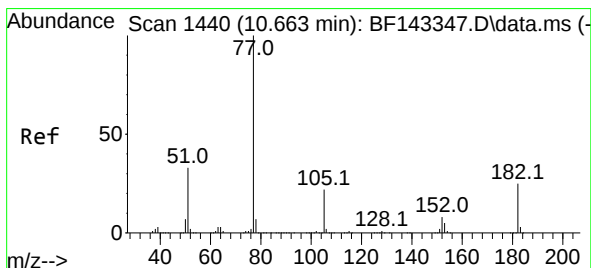
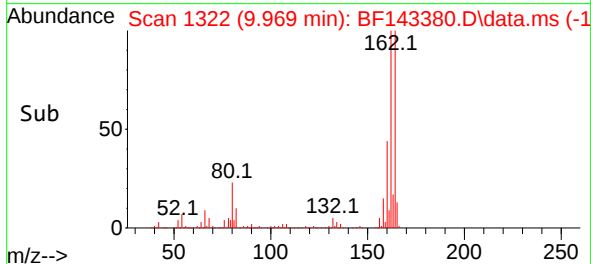
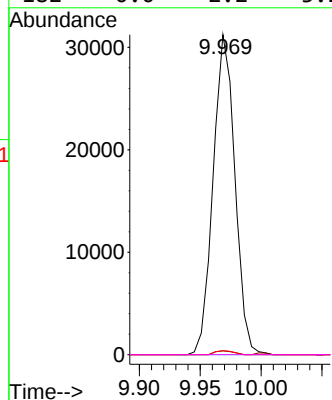
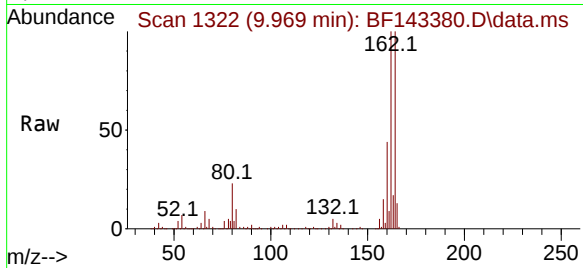




#57
2,4-Dinitrotoluene
Concen: 11.116 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.176 min
Lab File: BF143380.D
Acq: 14 Aug 2025 14:25

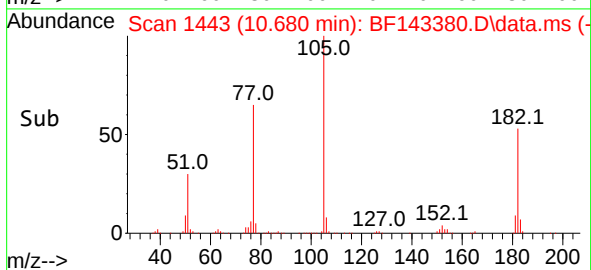
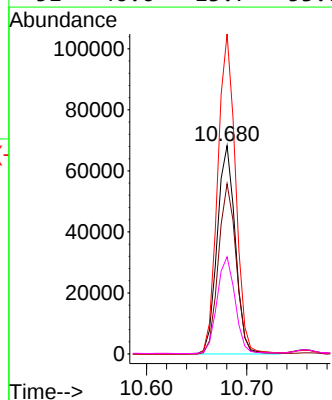
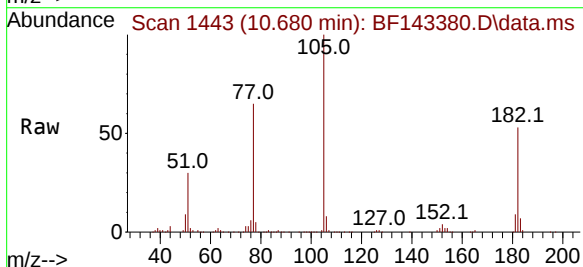
Instrument :
BNA_F
ClientSampleId :
TW-17M-N

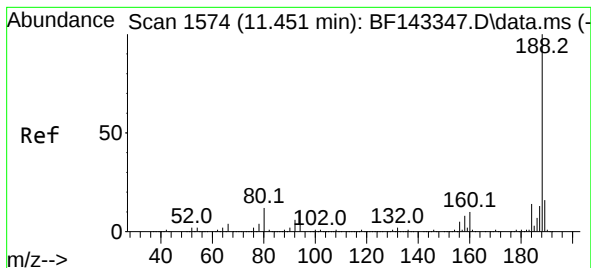
Tgt Ion:165 Resp: 38927
Ion Ratio Lower Upper
165 100
63 1.2 41.8 62.8#
89 1.3 62.4 93.6#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 4.677 ng
RT: 10.680 min Scan# 1443
Delta R.T. 0.017 min
Lab File: BF143380.D
Acq: 14 Aug 2025 14:25

Tgt Ion: 77 Resp: 85803
Ion Ratio Lower Upper
77 100
182 81.7 4.4 44.4#
105 153.5 1.8 41.8#
51 46.6 13.7 53.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.457 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143380.D

Acq: 14 Aug 2025 14:25

Instrument :

BNA_F

ClientSampleId :

TW-17M-N

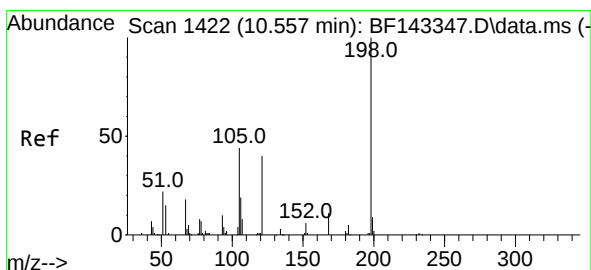
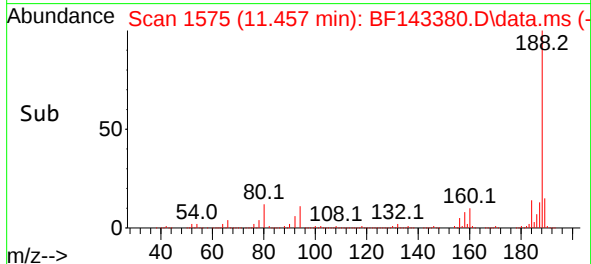
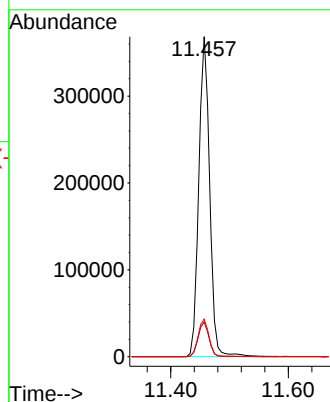
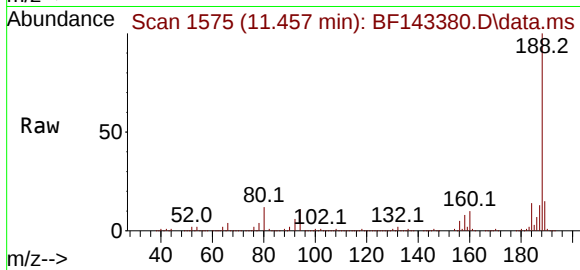
Tgt Ion:188 Resp: 472081

Ion Ratio Lower Upper

188 100

94 10.8 8.8 13.2

80 11.7 9.7 14.5



#65

4,6-Dinitro-2-methylphenol

Concen: 7.555 ng

RT: 10.757 min Scan# 1456

Delta R.T. 0.200 min

Lab File: BF143380.D

Acq: 14 Aug 2025 14:25

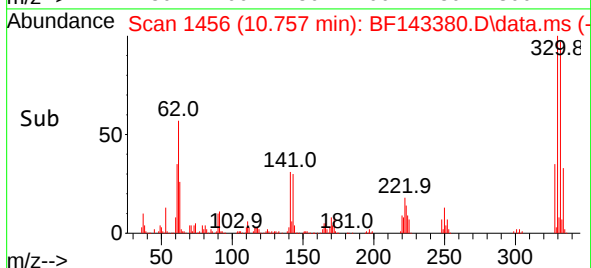
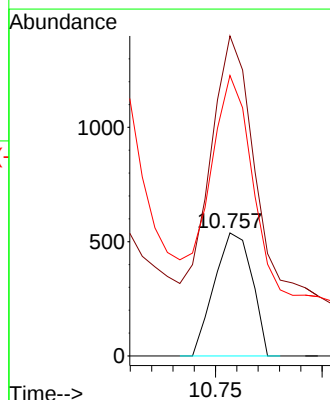
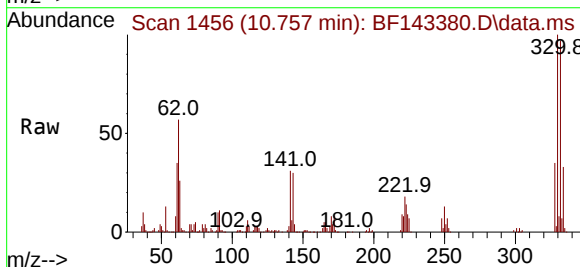
Tgt Ion:198 Resp: 662

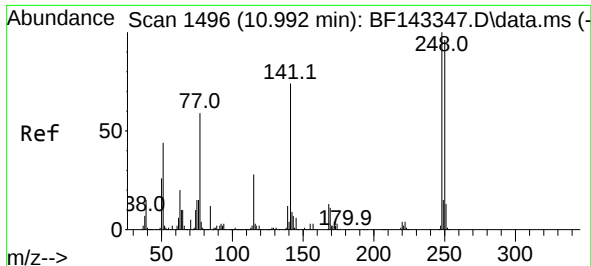
Ion Ratio Lower Upper

198 100

51 260.2 41.7 81.7#

105 228.1 26.8 66.8#

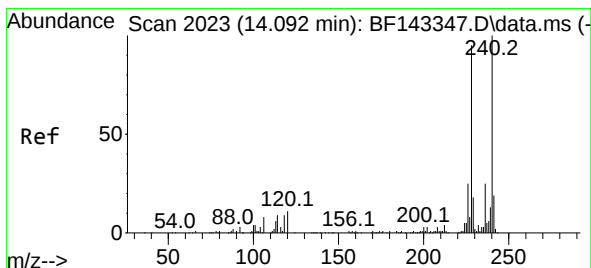
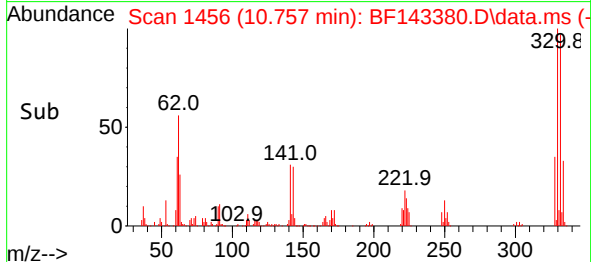
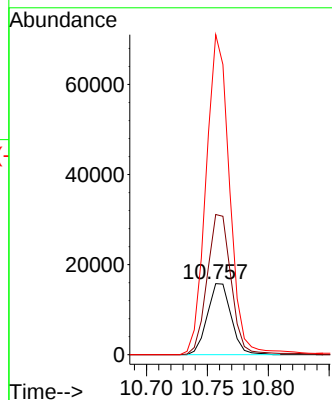
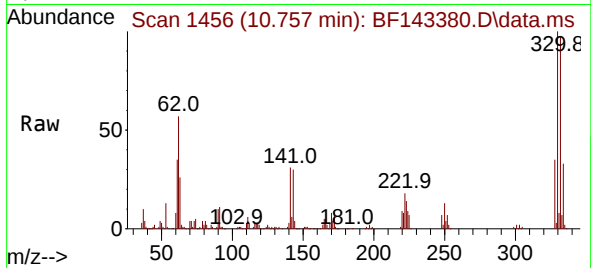




#67
4-Bromophenyl-phenylether
Concen: 3.976 ng
RT: 10.757 min Scan# 1496
Delta R.T. -0.235 min
Lab File: BF143380.D
Acq: 14 Aug 2025 14:25

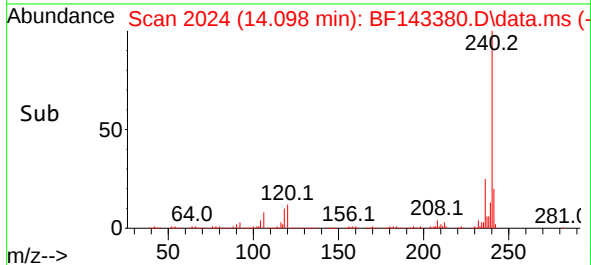
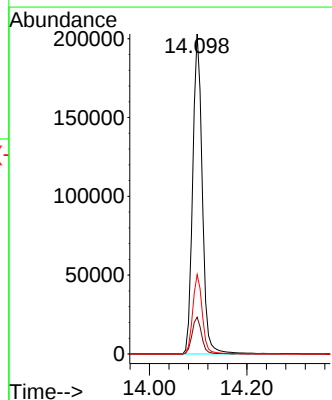
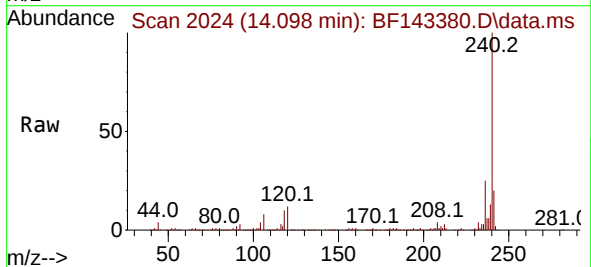
Instrument :
BNA_F
ClientSampleId :
TW-17M-N

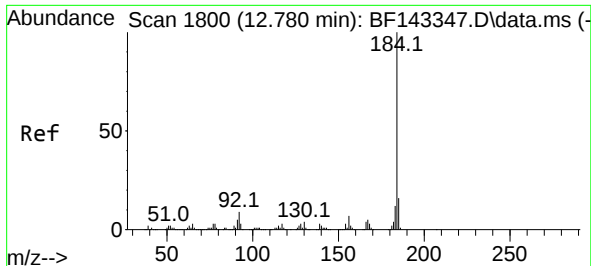
Tgt Ion:248 Resp: 21467
Ion Ratio Lower Upper
248 100
250 197.4 77.1 115.7#
141 450.4 59.1 88.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143380.D
Acq: 14 Aug 2025 14:25

Tgt Ion:240 Resp: 277273
Ion Ratio Lower Upper
240 100
120 11.5 9.0 13.6
236 24.8 19.9 29.9

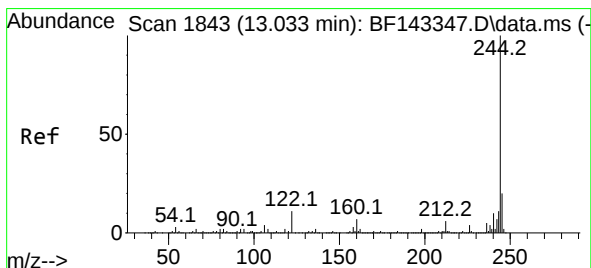
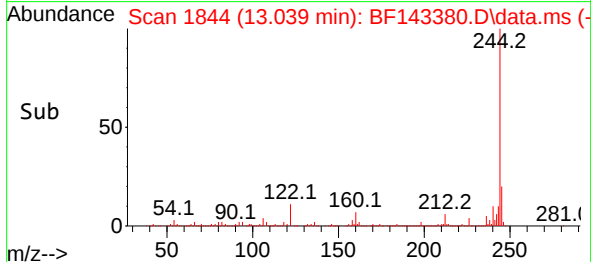
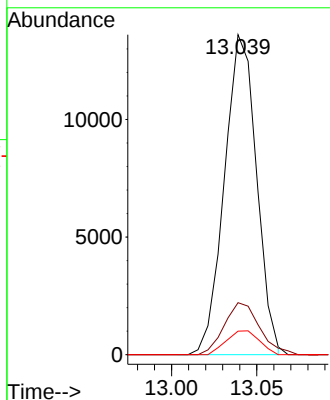
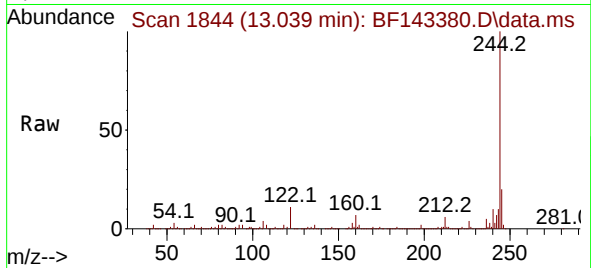




#77
Benzidine
Concen: 2.356 ng
RT: 13.039 min Scan# 1844
Delta R.T. 0.259 min
Lab File: BF143380.D
Acq: 14 Aug 2025 14:25

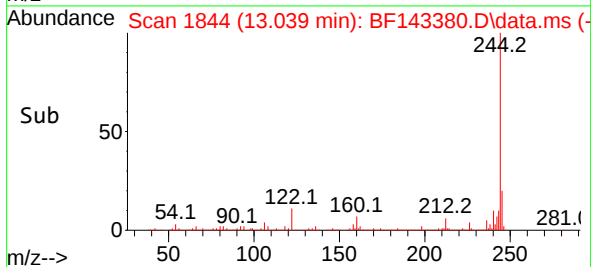
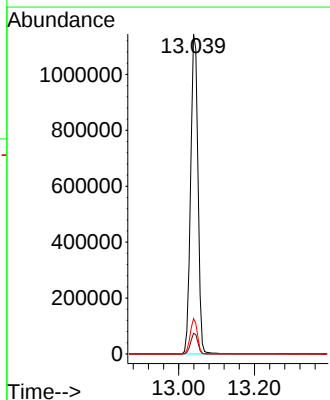
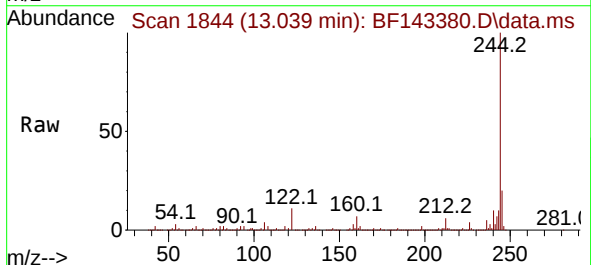
Instrument :
BNA_F
ClientSampleId :
TW-17M-N

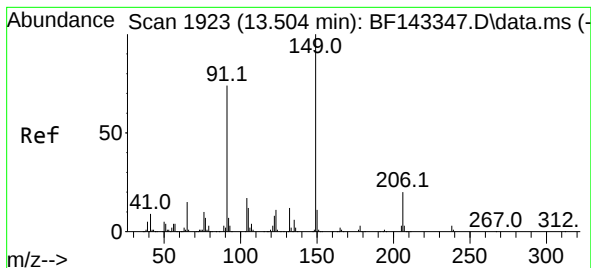
Tgt Ion:184 Resp: 17857
Ion Ratio Lower Upper
184 100
185 16.2 12.8 19.2
183 7.3 9.3 13.9#



#79
Terphenyl-d14
Concen: 98.851 ng
RT: 13.039 min Scan# 1844
Delta R.T. 0.006 min
Lab File: BF143380.D
Acq: 14 Aug 2025 14:25

Tgt Ion:244 Resp: 1535219
Ion Ratio Lower Upper
244 100
212 6.5 5.1 7.7
122 11.1 8.9 13.3





#80

Butylbenzylphthalate

Concen: 3.533 ng

RT: 13.515 min Scan# 1923

Delta R.T. 0.011 min

Lab File: BF143380.D

Acq: 14 Aug 2025 14:25

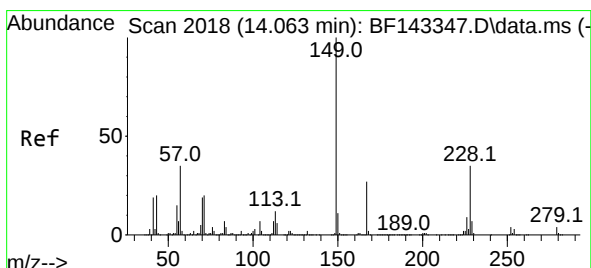
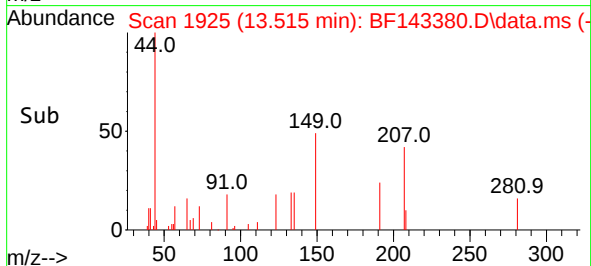
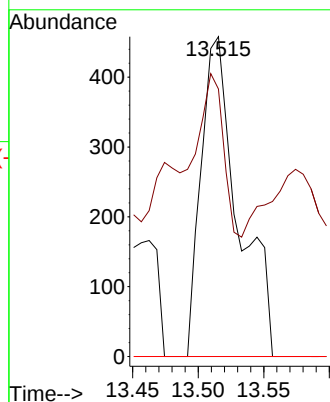
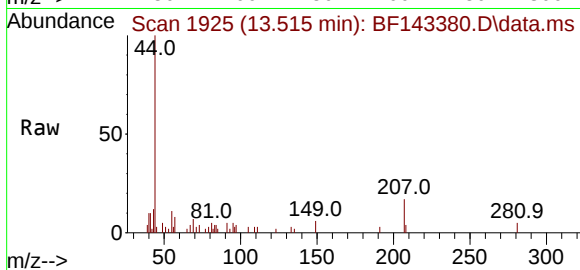
Instrument :

BNA_F

ClientSampleId :

TW-17M-N

Tgt Ion:149	Resp:	902
Ion Ratio	Lower	Upper
149	100	
91	83.6	58.8 88.2
206	0.0	16.4 24.6#



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.443 ng

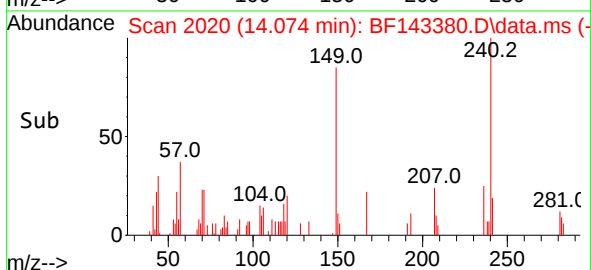
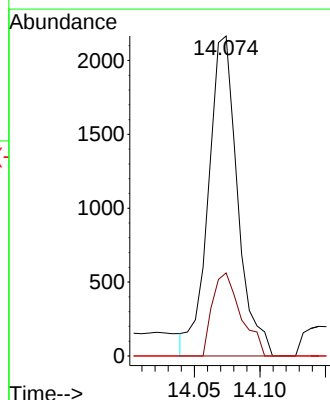
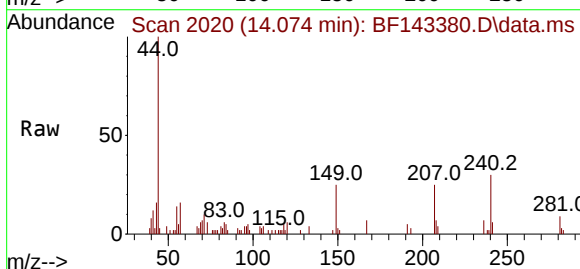
RT: 14.074 min Scan# 2020

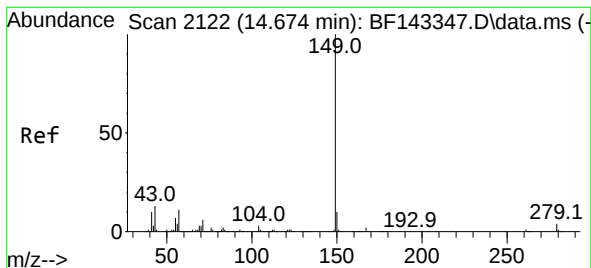
Delta R.T. 0.011 min

Lab File: BF143380.D

Acq: 14 Aug 2025 14:25

Tgt Ion:149	Resp:	3346
Ion Ratio	Lower	Upper
149	100	
167	25.9	21.4 32.0
279	0.0	3.2 4.8#





#85

Di-n-octyl phthalate

Concen: 6.047 ng

RT: 14.680 min Scan# 2122

Delta R.T. 0.006 min

Lab File: BF143380.D

Acq: 14 Aug 2025 14:25

Instrument :

BNA_F

ClientSampleId :

TW-17M-N

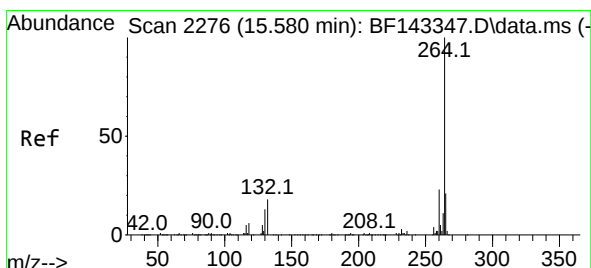
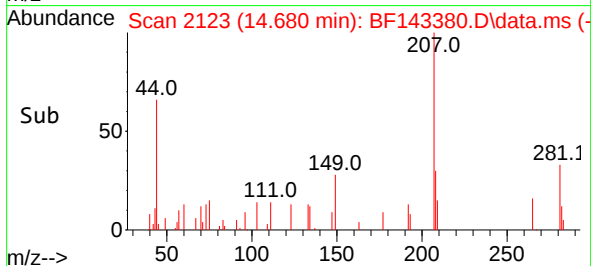
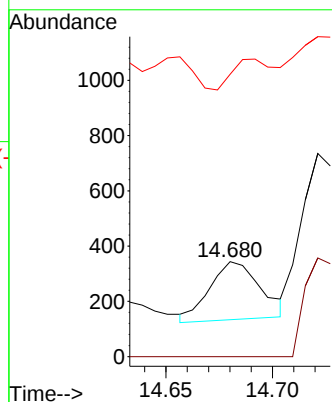
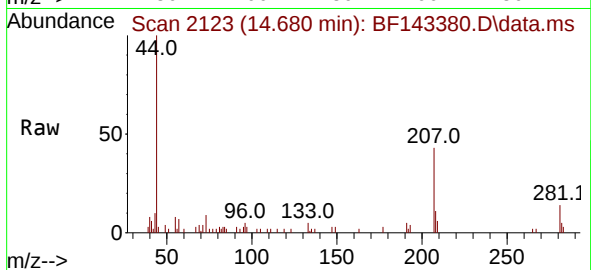
Tgt Ion:149 Resp: 347

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

43 45.0 10.8 16.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 2278

Delta R.T. 0.012 min

Lab File: BF143380.D

Acq: 14 Aug 2025 14:25

Tgt Ion:264 Resp: 296651

Ion Ratio Lower Upper

264 100

260 22.8 18.7 28.1

265 21.5 17.2 25.8

