

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143385.D
 Acq On : 14 Aug 2025 16:55
 Operator : RC/JU
 Sample : Q2814-20
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-518R-W

Quant Time: Aug 14 17:15:38 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)

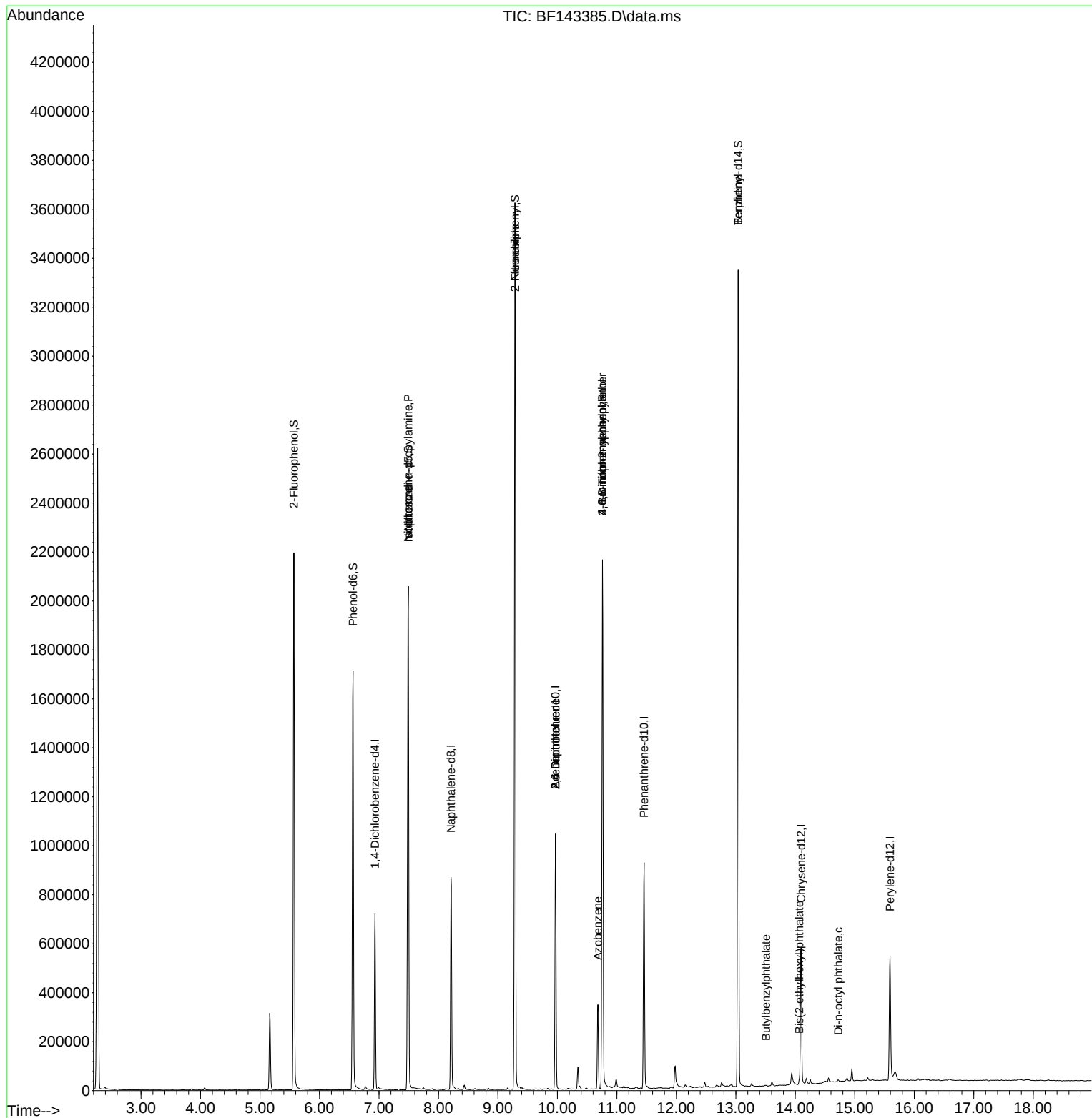
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	148956	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	569970	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	306937	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	479204	20.000	ng	0.00
76) Chrysene-d12	14.098	240	289175	20.000	ng	0.00
86) Perylene-d12	15.592	264	311077	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	791199	91.852	ng	0.00
7) Phenol-d6	6.563	99	792272	71.724	ng	0.00
23) Nitrobenzene-d5	7.492	82	967340	105.689	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	399785	178.224	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1640032	90.608	ng	0.00
79) Terphenyl-d14	13.039	244	1642362	101.398	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.492	70	127709	18.711	ng	# 79
25) Isophorone	7.492	82	954982	51.111	ng	# 65
48) 2-Nitroaniline	9.286	65	2643	3.271	ng	# 1
51) 2,6-Dinitrotoluene	9.969	165	40298	14.104	ng	# 21
57) 2,4-Dinitrotoluene	9.969	165	40298	11.400	ng	# 19
63) Azobenzene	10.680	77	87671	4.778	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.757	198	796	7.609	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	25900	4.726	ng	# 1
77) Benzidine	13.039	184	19057	2.411	ng	# 96
80) Butylbenzylphthalate	13.510	149	442	3.436	ng	# 31
84) Bis(2-ethylhexyl)phtha...	14.068	149	9125	5.176	ng	96
85) Di-n-octyl phthalate	14.721	149	1049	6.090	ng	# 37

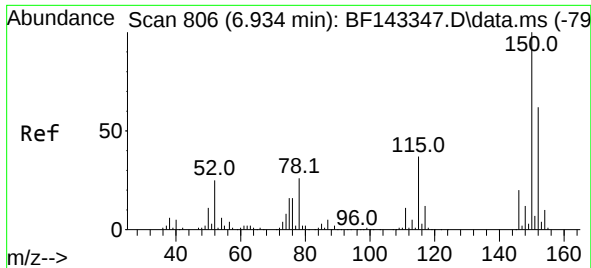
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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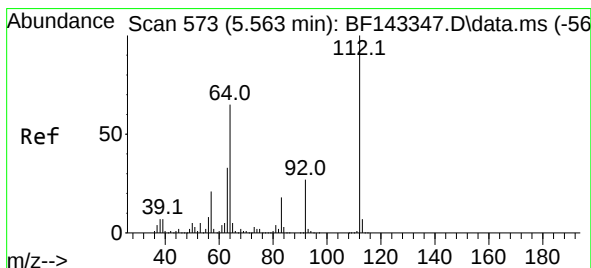
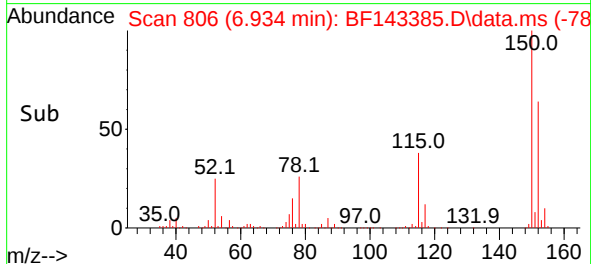
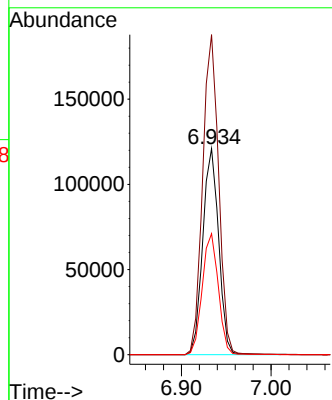
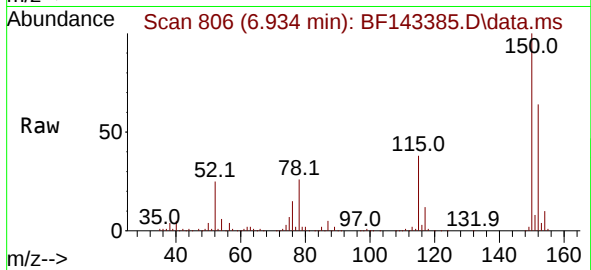




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.934 min Scan# 806
 Delta R.T. -0.000 min
 Lab File: BF143385.D
 Acq: 14 Aug 2025 16:55

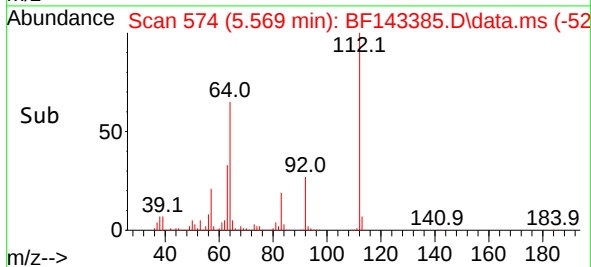
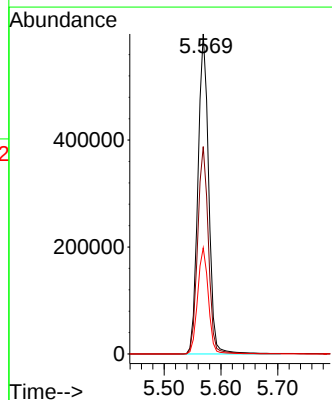
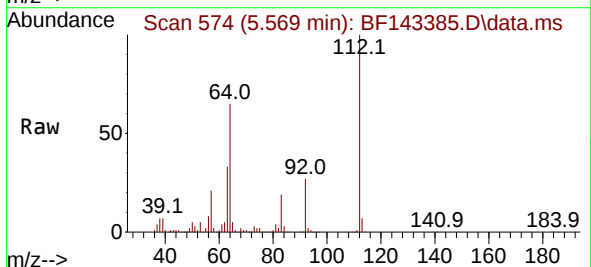
Instrument :
 BNA_F
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 TW-518R-W

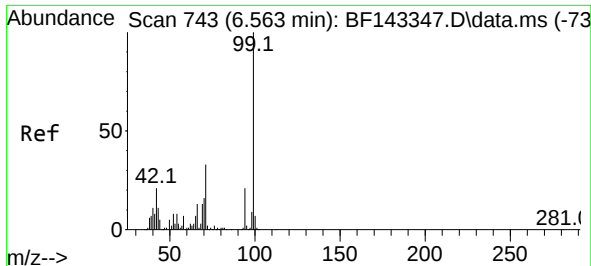
Tgt Ion:152 Resp: 148956
 Ion Ratio Lower Upper
 152 100
 150 155.3 129.8 194.8
 115 58.7 47.8 71.8



#5
 2-Fluorophenol
 Concen: 91.852 ng
 RT: 5.569 min Scan# 574
 Delta R.T. 0.006 min
 Lab File: BF143385.D
 Acq: 14 Aug 2025 16:55

Tgt Ion:112 Resp: 791199
 Ion Ratio Lower Upper
 112 100
 64 64.8 52.1 78.1
 63 33.2 26.6 39.8

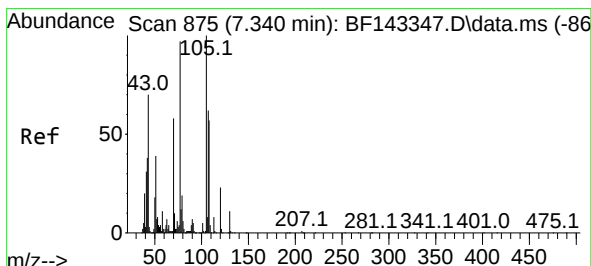
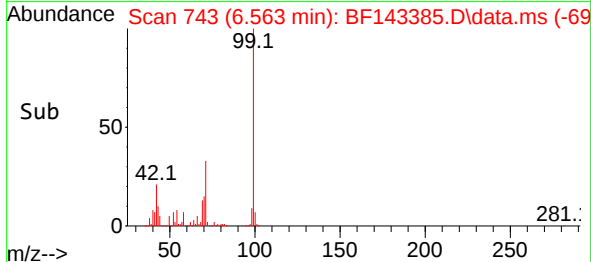
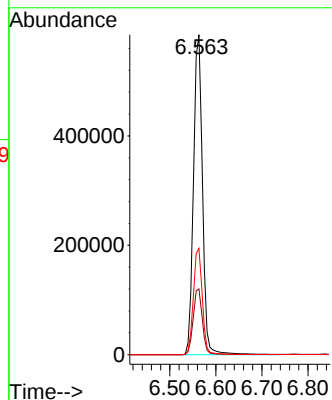
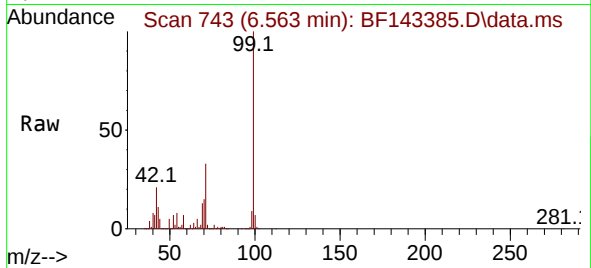




#7
Phenol-d6
Concen: 71.724 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF143385.D
Acq: 14 Aug 2025 16:55

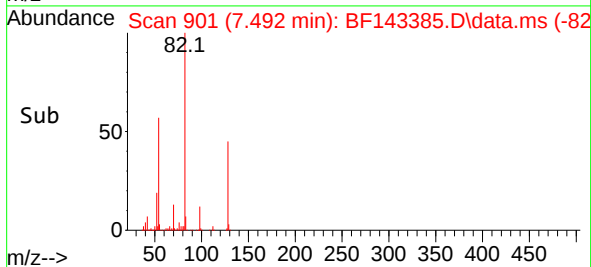
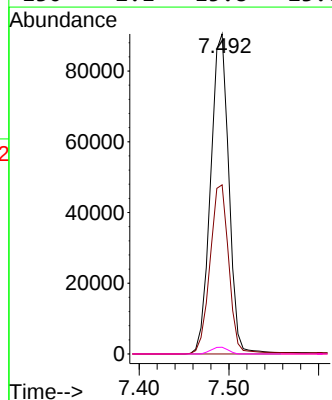
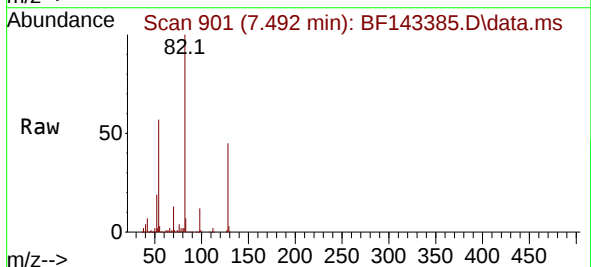
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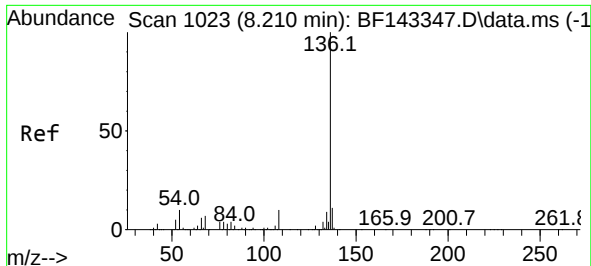
Tgt Ion: 99 Resp: 792272
Ion Ratio Lower Upper
99 100
42 20.6 16.6 25.0
71 33.2 26.2 39.2



#19
n-Nitroso-di-n-propylamine
Concen: 18.711 ng
RT: 7.492 min Scan# 901
Delta R.T. 0.153 min
Lab File: BF143385.D
Acq: 14 Aug 2025 16:55

Tgt Ion: 70 Resp: 127709
Ion Ratio Lower Upper
70 100
42 52.9 51.6 77.4
101 0.0 7.5 11.3#
130 2.1 15.8 23.6#

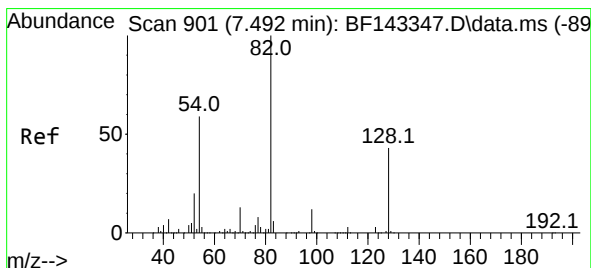
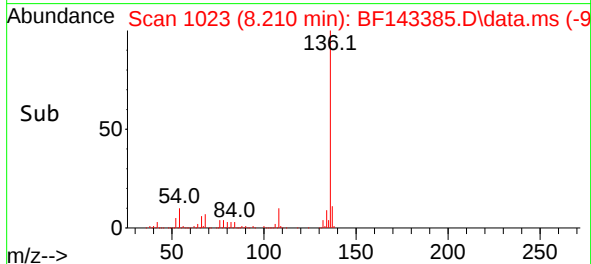
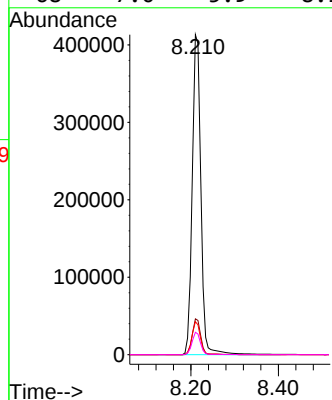
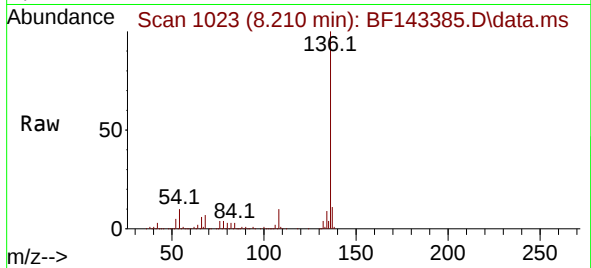




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143385.D
Acq: 14 Aug 2025 16:55

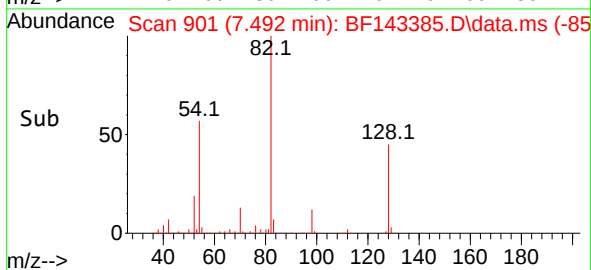
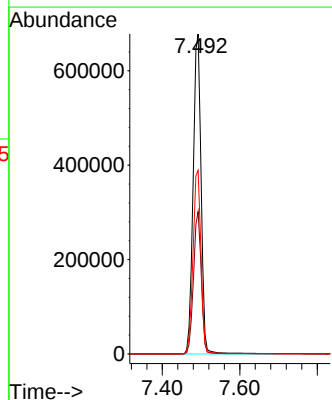
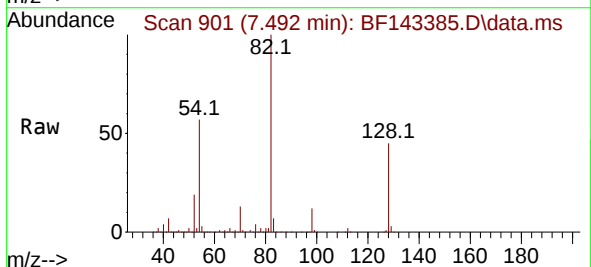
Instrument :
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ClientSampleId :
TW-518R-W

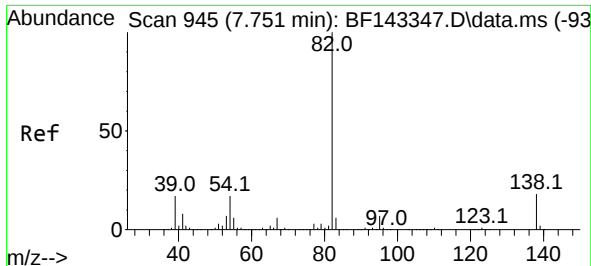
Tgt Ion:136	Resp: 569970
Ion Ratio	Lower Upper
136 100	
137 11.2	8.6 13.0
54 10.3	8.4 12.6
68 7.0	5.9 8.9



#23
Nitrobenzene-d5
Concen: 105.689 ng
RT: 7.492 min Scan# 901
Delta R.T. -0.000 min
Lab File: BF143385.D
Acq: 14 Aug 2025 16:55

Tgt Ion: 82	Resp: 967340
Ion Ratio	Lower Upper
82 100	
128 44.5	33.5 50.3
54 57.4	46.7 70.1

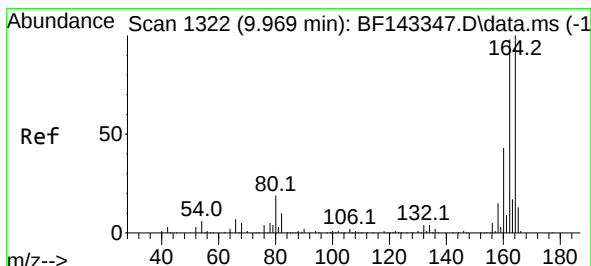
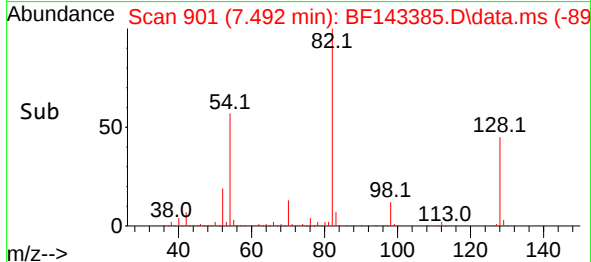
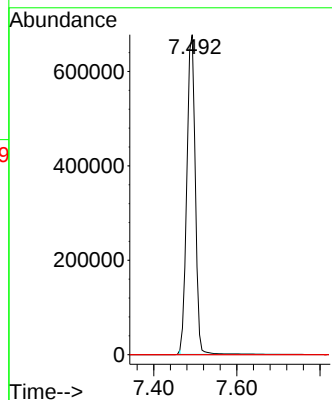
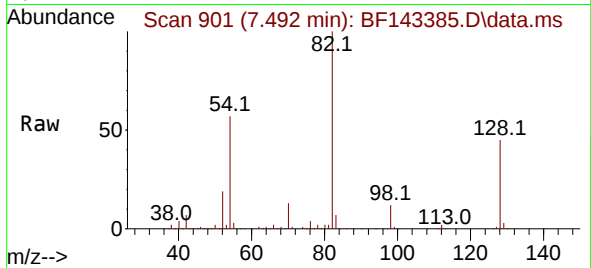




#25
Isophorone
Concen: 51.111 ng
RT: 7.492 min Scan# 901
Delta R.T. -0.259 min
Lab File: BF143385.D
Acq: 14 Aug 2025 16:55

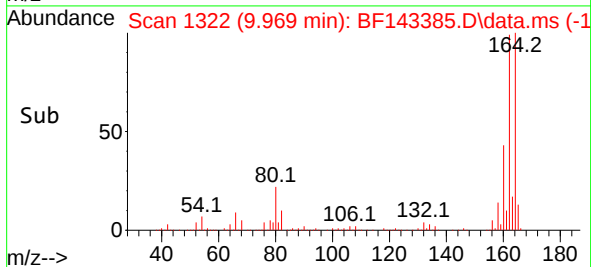
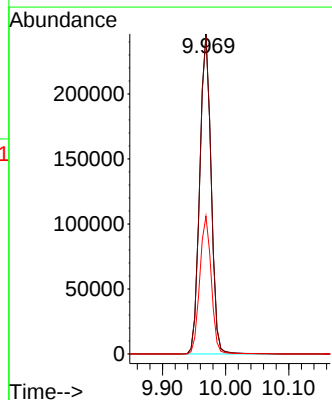
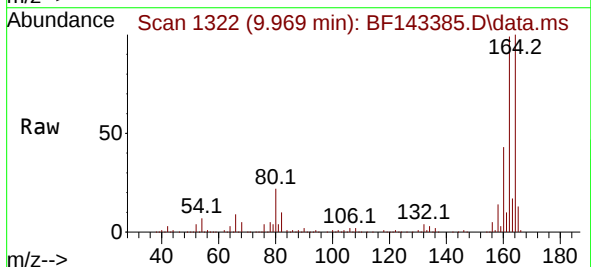
Instrument :
BNA_F
ClientSampleId :
TW-518R-W

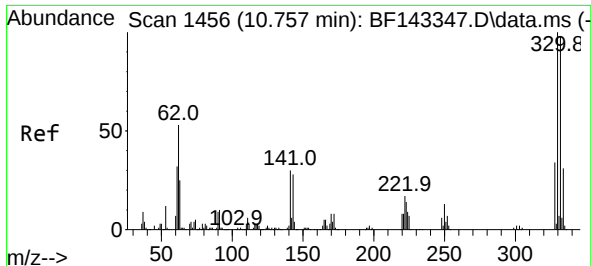
Tgt Ion: 82 Resp: 954982
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BF143385.D
Acq: 14 Aug 2025 16:55

Tgt Ion:164 Resp: 306937
Ion Ratio Lower Upper
164 100
162 99.4 78.6 118.0
160 43.1 34.4 51.6

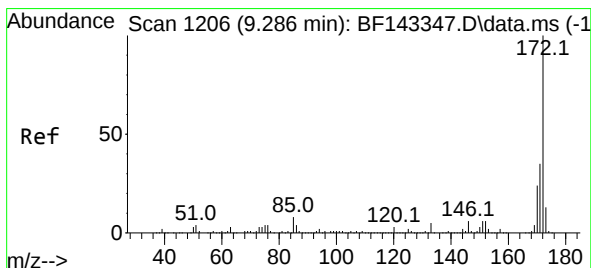
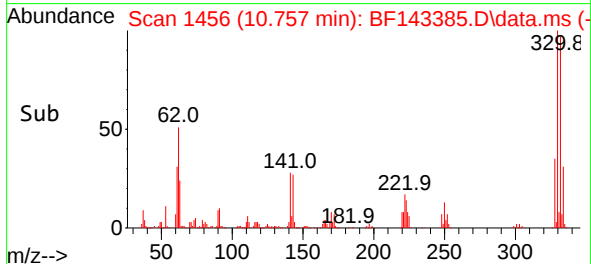
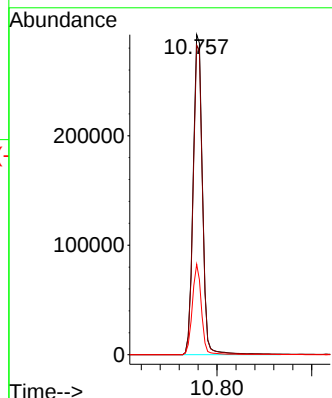
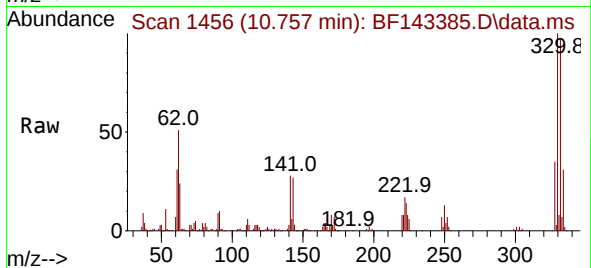




#42
2,4,6-Tribromophenol
Concen: 178.224 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BF143385.D
Acq: 14 Aug 2025 16:55

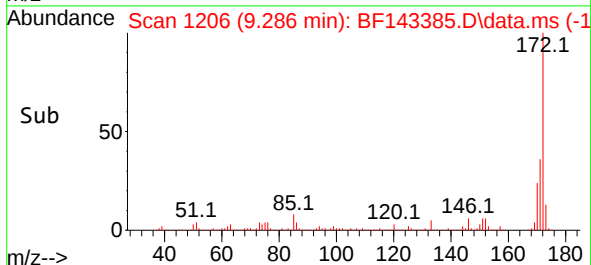
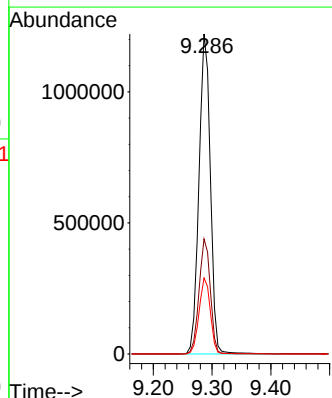
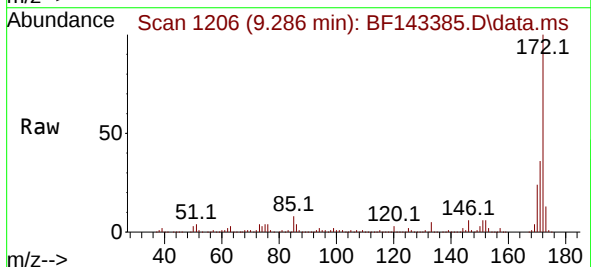
Instrument :
BNA_F
ClientSampleId :
TW-518R-W

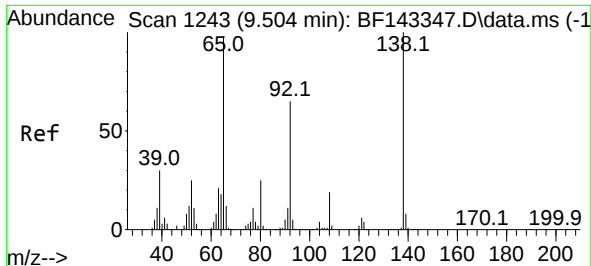
Tgt Ion:330 Resp: 399785
Ion Ratio Lower Upper
330 100
332 96.9 78.1 117.1
141 27.8 25.4 38.0



#45
2-Fluorobiphenyl
Concen: 90.608 ng
RT: 9.286 min Scan# 1206
Delta R.T. -0.000 min
Lab File: BF143385.D
Acq: 14 Aug 2025 16:55

Tgt Ion:172 Resp: 1640032
Ion Ratio Lower Upper
172 100
171 35.9 28.4 42.6
170 23.8 19.1 28.7





#48

2-Nitroaniline

Concen: 3.271 ng

RT: 9.286 min Scan# 11

Delta R.T. -0.218 min

Lab File: BF143385.D

Acq: 14 Aug 2025 16:55

Instrument :

BNA_F

ClientSampleId :

TW-518R-W

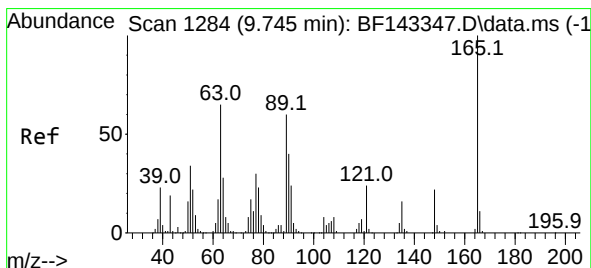
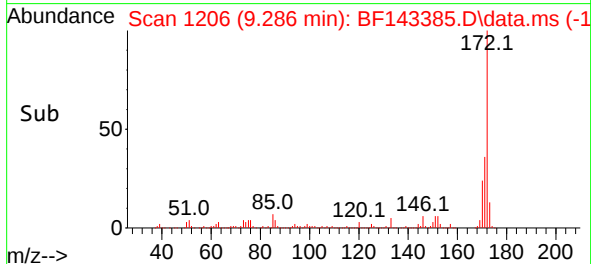
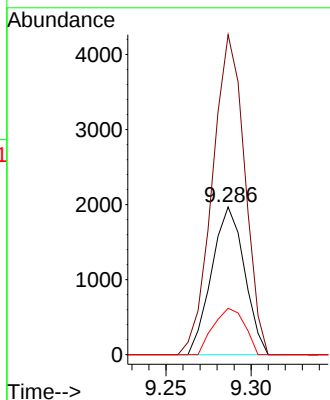
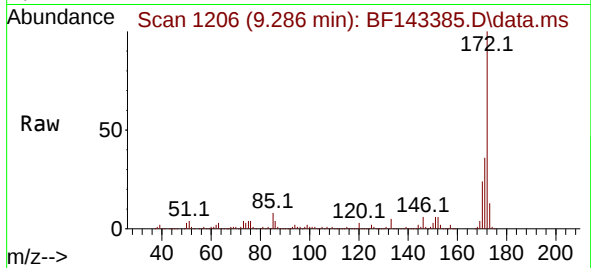
Tgt Ion: 65 Resp: 2643

Ion Ratio Lower Upper

65 100

92 216.7 53.1 79.7#

138 31.4 81.4 122.0#



#51

2,6-Dinitrotoluene

Concen: 14.104 ng

RT: 9.969 min Scan# 1322

Delta R.T. 0.224 min

Lab File: BF143385.D

Acq: 14 Aug 2025 16:55

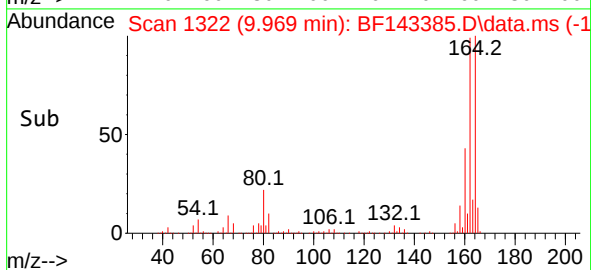
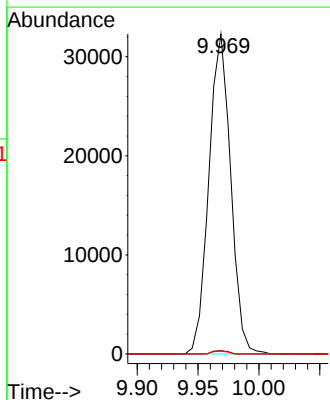
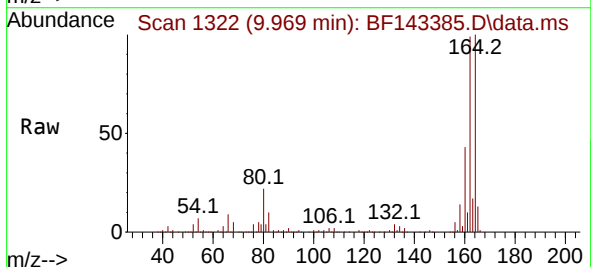
Tgt Ion: 165 Resp: 40298

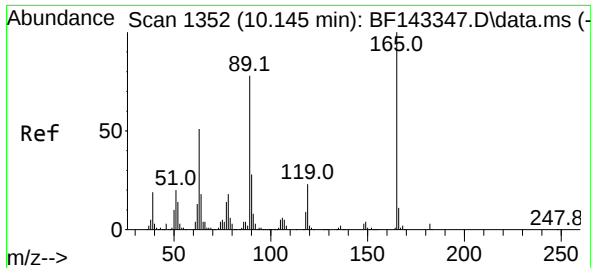
Ion Ratio Lower Upper

165 100

63 1.1 51.6 77.4#

89 0.9 47.7 71.5#

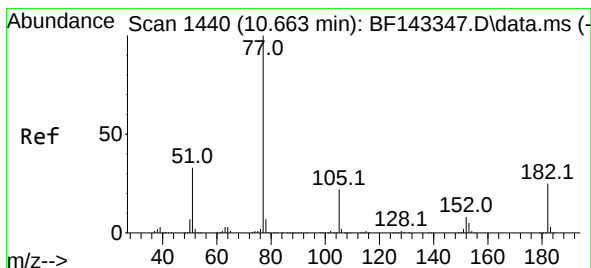
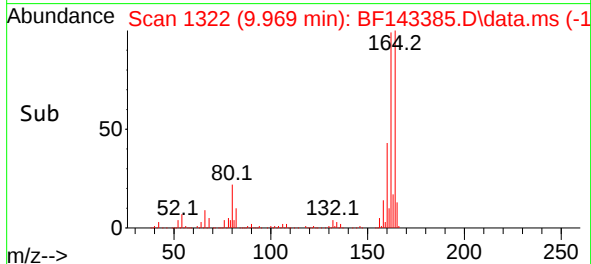
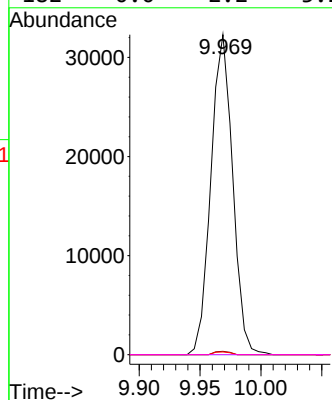
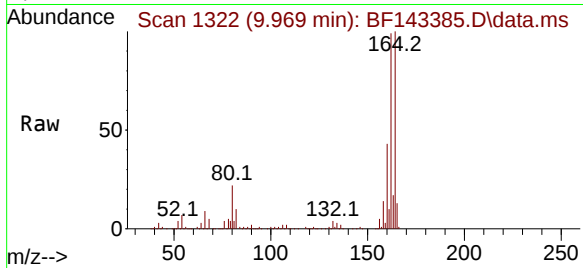




#57
2,4-Dinitrotoluene
Concen: 11.400 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.176 min
Lab File: BF143385.D
Acq: 14 Aug 2025 16:55

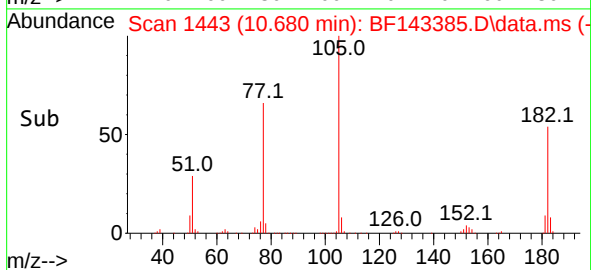
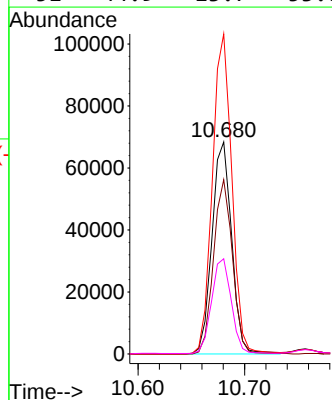
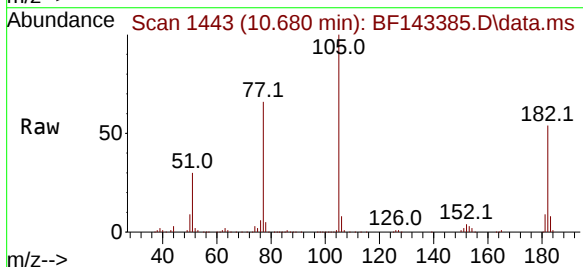
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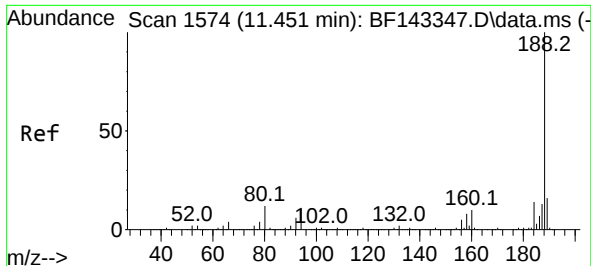
Tgt Ion:165 Resp: 40298
Ion Ratio Lower Upper
165 100
63 1.1 41.8 62.8#
89 0.9 62.4 93.6#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 4.778 ng
RT: 10.680 min Scan# 1443
Delta R.T. 0.018 min
Lab File: BF143385.D
Acq: 14 Aug 2025 16:55

Tgt Ion: 77 Resp: 87671
Ion Ratio Lower Upper
77 100
182 82.2 4.4 44.4#
105 151.0 1.8 41.8#
51 44.9 13.7 53.7

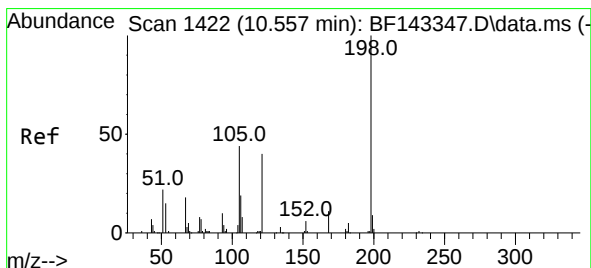
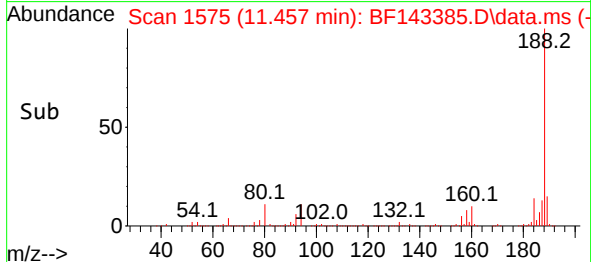
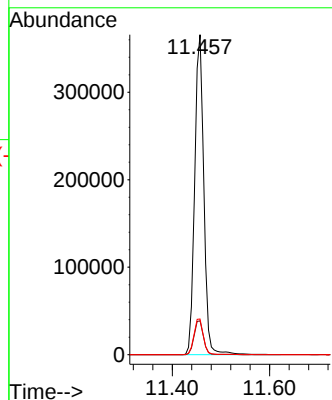
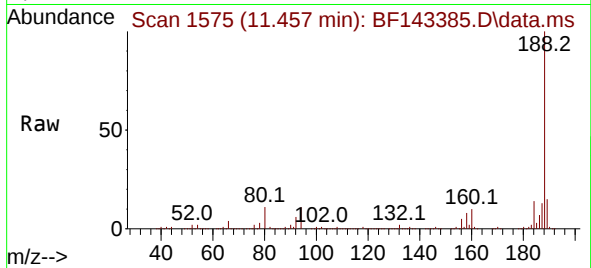




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143385.D
Acq: 14 Aug 2025 16:55

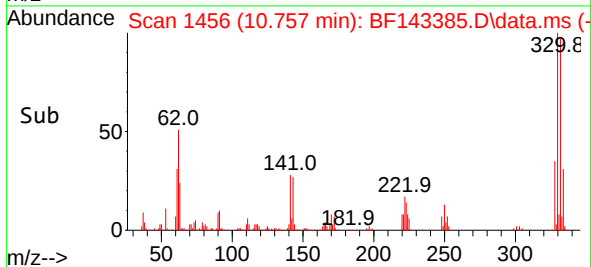
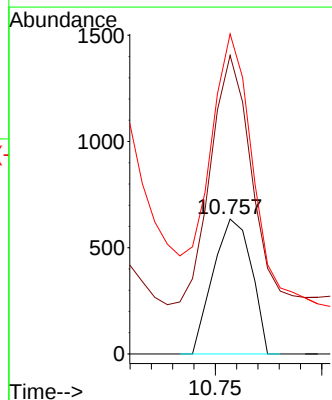
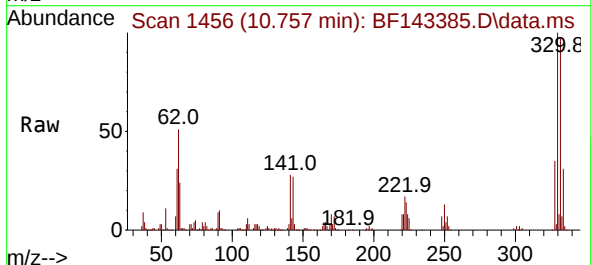
Instrument :
BNA_F
ClientSampleId :
TW-518R-W

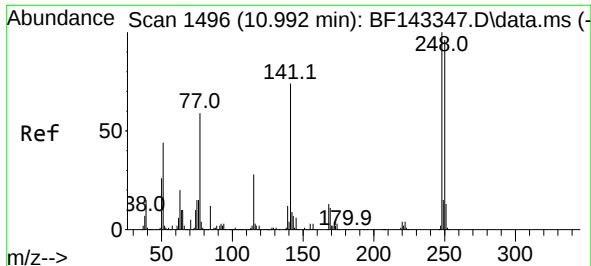
Tgt Ion:188 Resp: 479204
Ion Ratio Lower Upper
188 100
94 10.6 8.8 13.2
80 11.1 9.7 14.5



#65
4,6-Dinitro-2-methylphenol
Concen: 7.609 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.200 min
Lab File: BF143385.D
Acq: 14 Aug 2025 16:55

Tgt Ion:198 Resp: 796
Ion Ratio Lower Upper
198 100
51 221.3 41.7 81.7#
105 237.2 26.8 66.8#

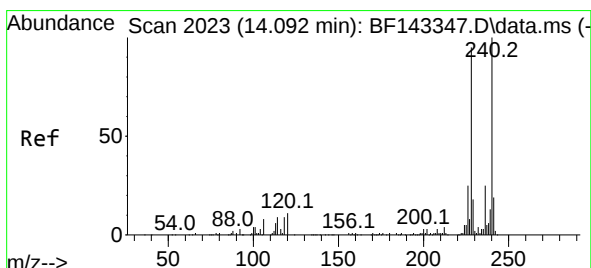
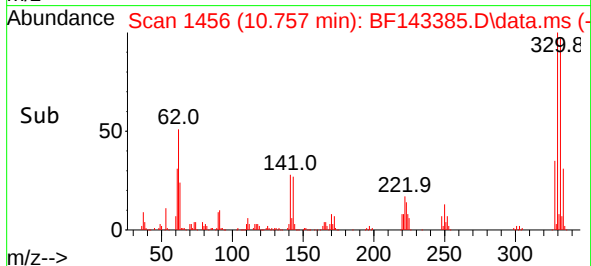
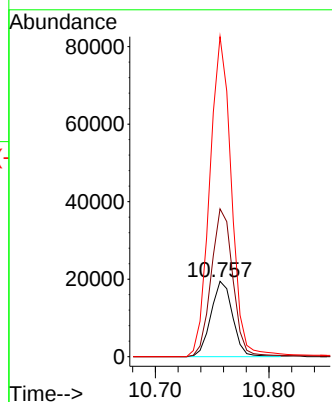
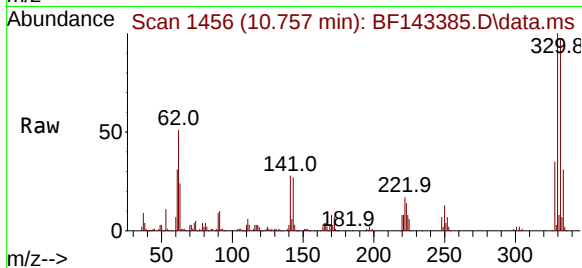




#67
4-Bromophenyl-phenylether
Concen: 4.726 ng
RT: 10.757 min Scan# 14
Delta R.T. -0.235 min
Lab File: BF143385.D
Acq: 14 Aug 2025 16:55

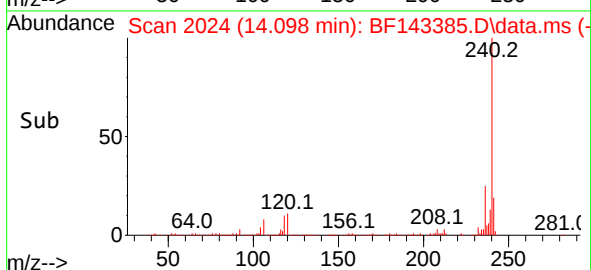
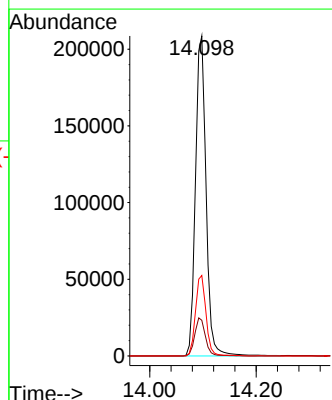
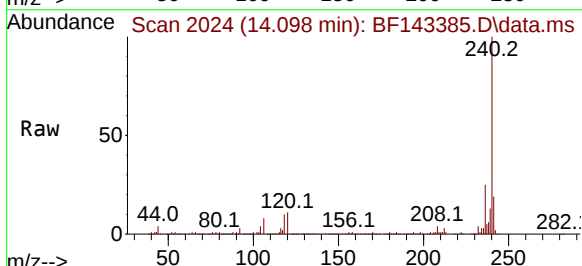
Instrument :
BNA_F
ClientSampleId :
TW-518R-W

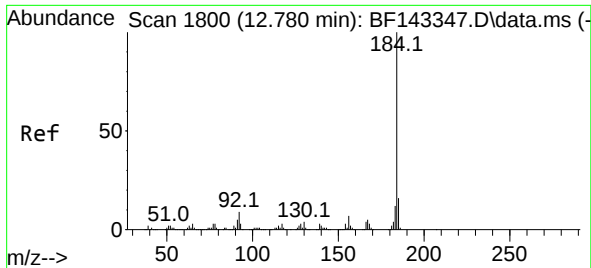
Tgt Ion:248 Resp: 25900
Ion Ratio Lower Upper
248 100
250 196.3 77.1 115.7#
141 424.9 59.1 88.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143385.D
Acq: 14 Aug 2025 16:55

Tgt Ion:240 Resp: 289175
Ion Ratio Lower Upper
240 100
120 11.2 9.0 13.6
236 25.1 19.9 29.9

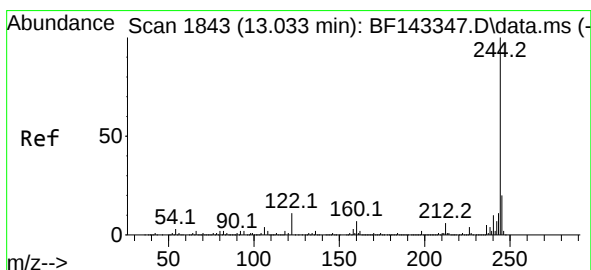
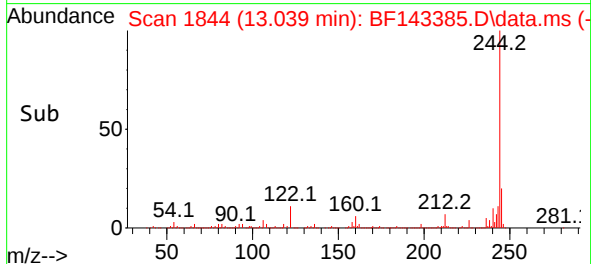
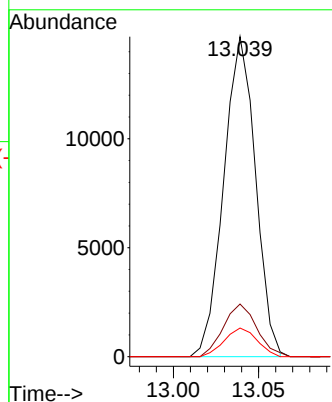
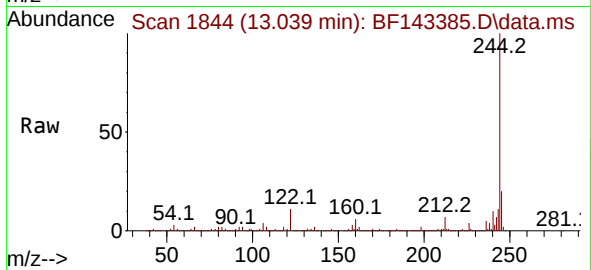




#77
Benzidine
Concen: 2.411 ng
RT: 13.039 min Scan# 1844
Delta R.T. 0.259 min
Lab File: BF143385.D
Acq: 14 Aug 2025 16:55

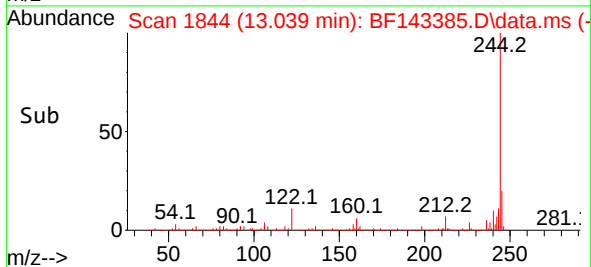
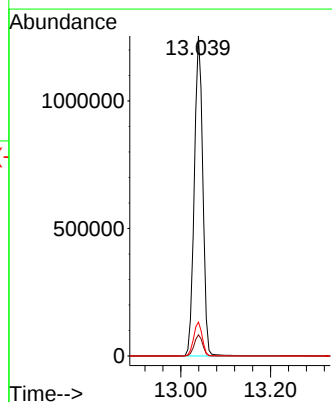
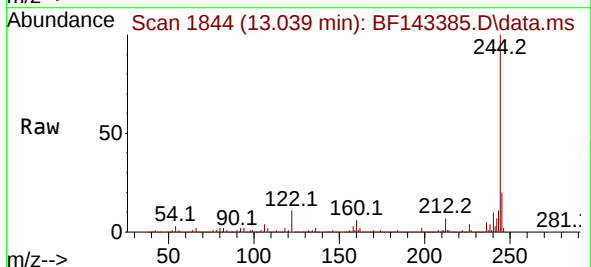
Instrument :
BNA_F
ClientSampleId :
TW-518R-W

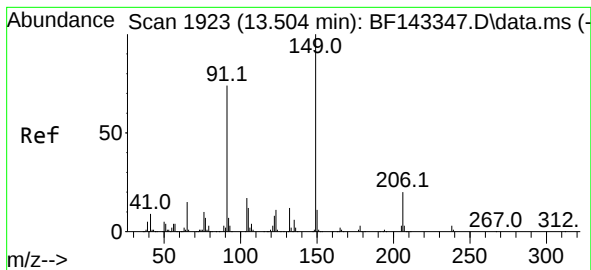
Tgt Ion:184 Resp: 19057
Ion Ratio Lower Upper
184 100
185 16.4 12.8 19.2
183 8.9 9.3 13.9#



#79
Terphenyl-d14
Concen: 101.398 ng
RT: 13.039 min Scan# 1844
Delta R.T. 0.006 min
Lab File: BF143385.D
Acq: 14 Aug 2025 16:55

Tgt Ion:244 Resp: 1642362
Ion Ratio Lower Upper
244 100
212 6.6 5.1 7.7
122 10.6 8.9 13.3





#80

Butylbenzylphthalate

Concen: 3.436 ng

RT: 13.510 min Scan# 1924

Delta R.T. 0.006 min

Lab File: BF143385.D

Acq: 14 Aug 2025 16:55

Instrument :

BNA_F

ClientSampleId :

TW-518R-W

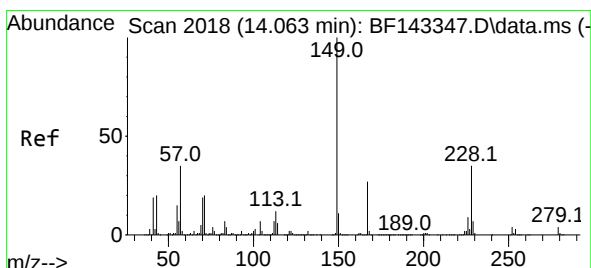
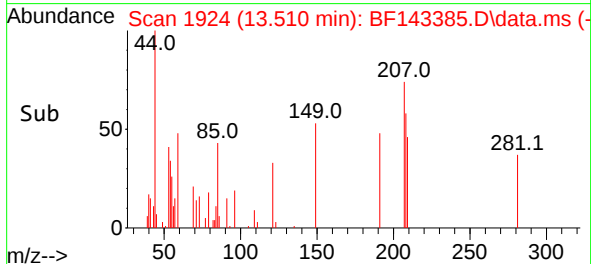
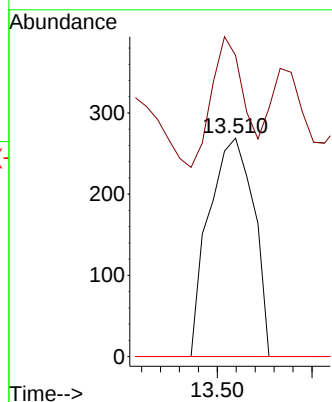
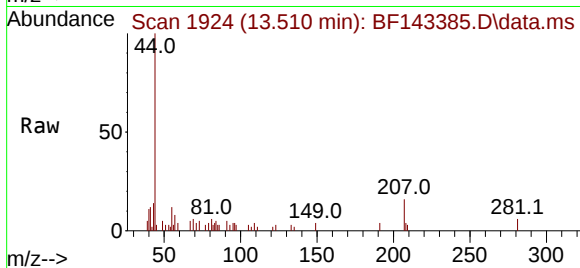
Tgt Ion:149 Resp: 442

Ion Ratio Lower Upper

149 100

91 137.9 58.8 88.2#

206 0.0 16.4 24.6#



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.176 ng

RT: 14.068 min Scan# 2019

Delta R.T. 0.005 min

Lab File: BF143385.D

Acq: 14 Aug 2025 16:55

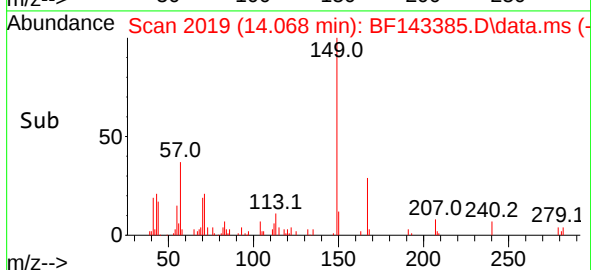
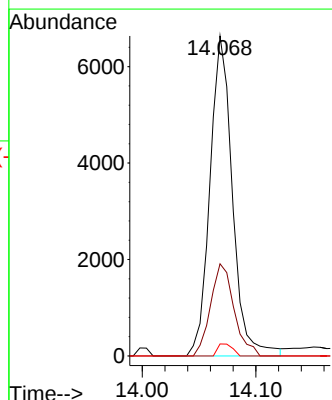
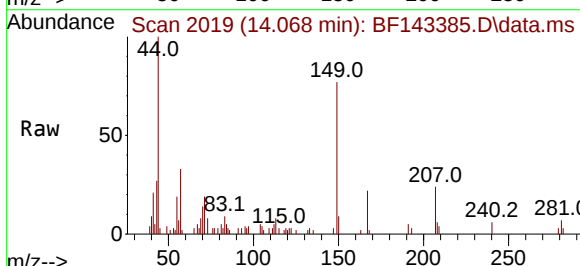
Tgt Ion:149 Resp: 9125

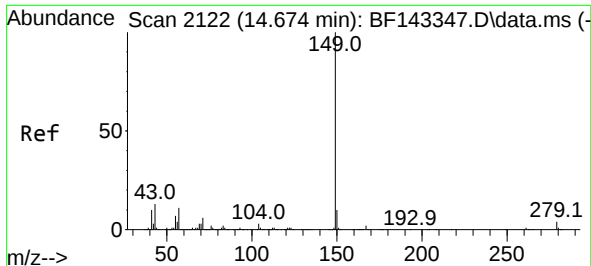
Ion Ratio Lower Upper

149 100

167 28.8 21.4 32.0

279 3.7 3.2 4.8

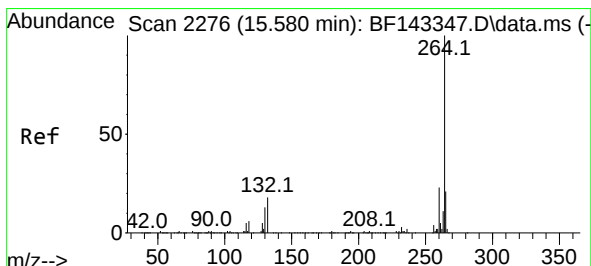
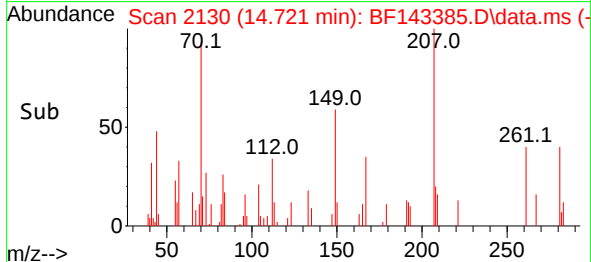
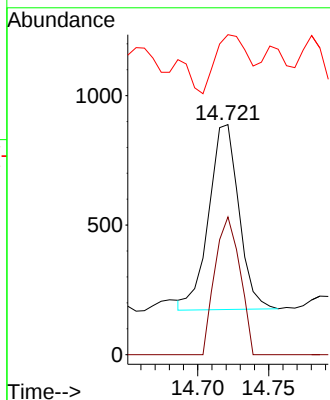
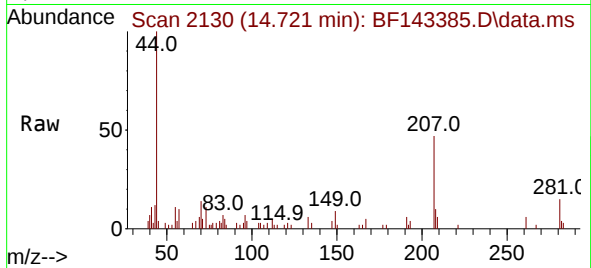




#85
Di-n-octyl phthalate
Concen: 6.090 ng
RT: 14.721 min Scan# 2122
Delta R.T. 0.047 min
Lab File: BF143385.D
Acq: 14 Aug 2025 16:55

Instrument :
BNA_F
ClientSampleId :
TW-518R-W

Tgt Ion:149 Resp: 1049
Ion Ratio Lower Upper
149 100
167 62.2 1.3 1.9#
43 34.0 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: BF143385.D
Acq: 14 Aug 2025 16:55

Tgt Ion:264 Resp: 311077
Ion Ratio Lower Upper
264 100
260 23.4 18.7 28.1
265 21.6 17.2 25.8

