

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082725\
 Data File : BF143601.D
 Acq On : 27 Aug 2025 11:53
 Operator : RC/JU
 Sample : Q2924-11
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FB-01-082025

Quant Time: Aug 27 12:15:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 26 16:30:52 2025
 Response via : Initial Calibration

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

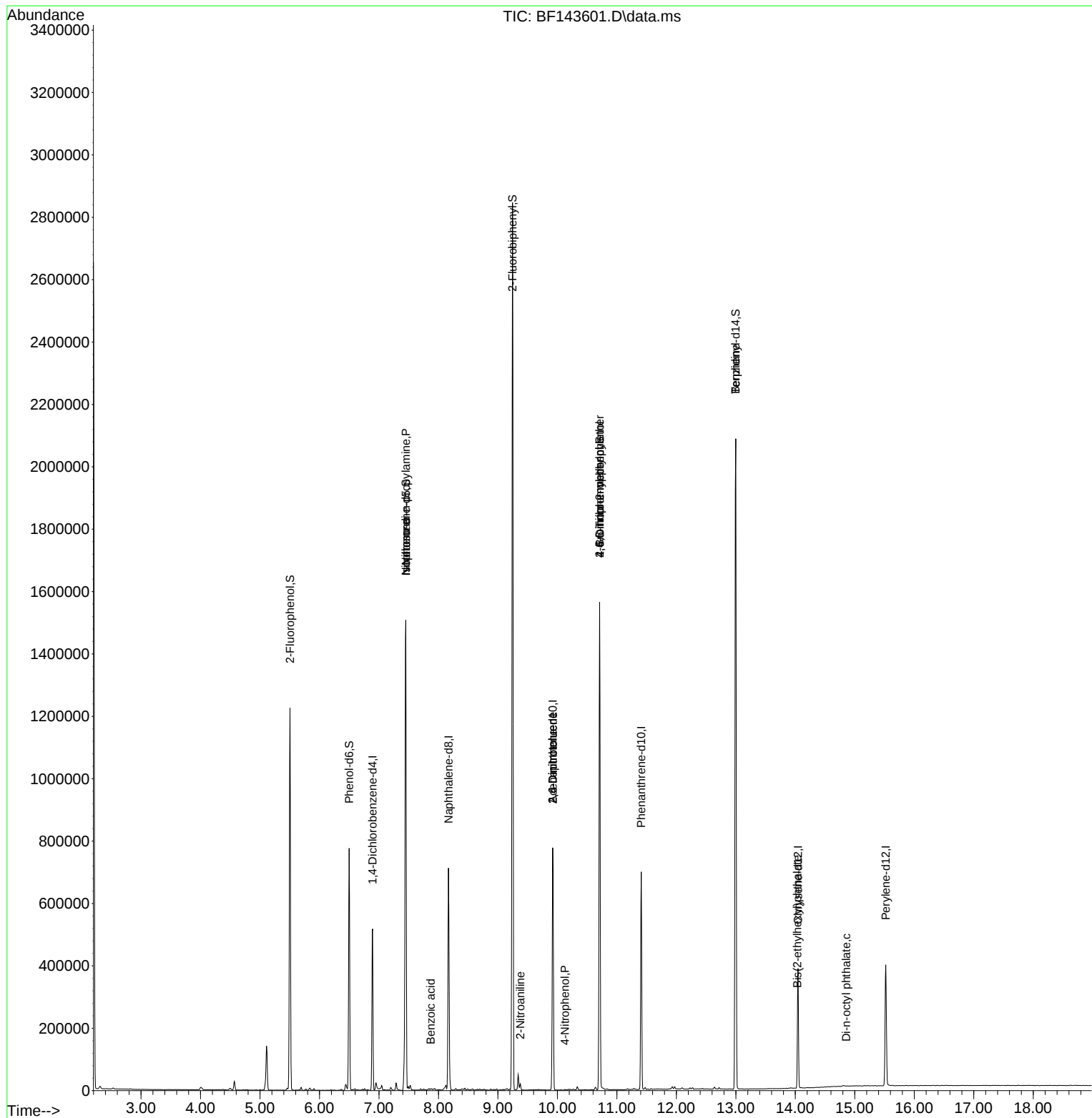
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	111189	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	428717	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	235375	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	345422	20.000	ng	0.00
76) Chrysene-d12	14.045	240	186452	20.000	ng	0.00
86) Perylene-d12	15.521	264	227431	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	435909	66.725	ng	0.00
7) Phenol-d6	6.498	99	339890	42.006	ng	-0.01
23) Nitrobenzene-d5	7.451	82	684620	114.020	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	269887	146.624	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1291128	93.787	ng	0.00
79) Terphenyl-d14	12.998	244	1033143	99.434	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	93077	18.158	ng	# 76
25) Isophorone	7.451	82	681082	48.471	ng	# 66
32) Benzoic acid	7.869	122	360	7.431	ng	95
48) 2-Nitroaniline	9.375	65	553	4.446	ng	# 8
51) 2,6-Dinitrotoluene	9.922	165	30069	15.915	ng	# 21
56) 4-Nitrophenol	10.128	139	215	5.367	ng	# 5
57) 2,4-Dinitrotoluene	9.922	165	30069	13.319	ng	# 22
65) 4,6-Dinitro-2-methylph...	10.710	198	491	8.141	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	17456	4.672	ng	# 1
77) Benzidine	12.998	184	11870	2.765	ng	94
84) Bis(2-ethylhexyl)phtha...	14.033	149	406	3.304	ng	# 52
85) Di-n-octyl phthalate	14.857	149	107	5.876	ng	# 33

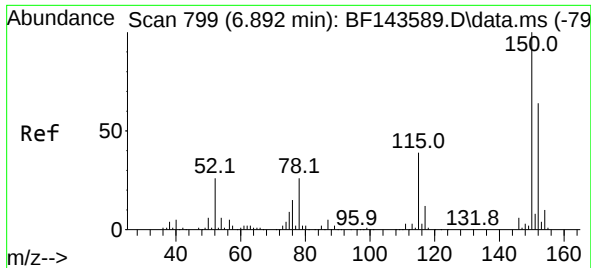
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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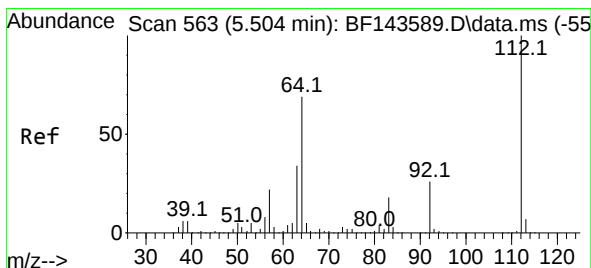
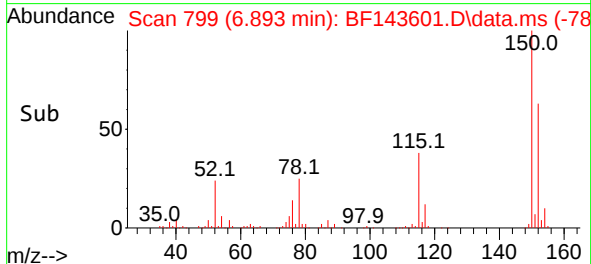
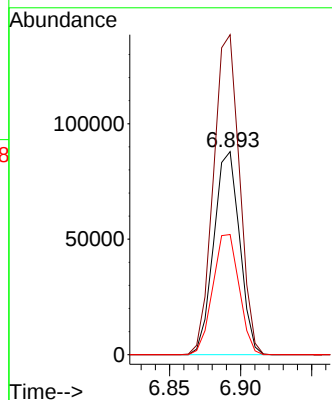
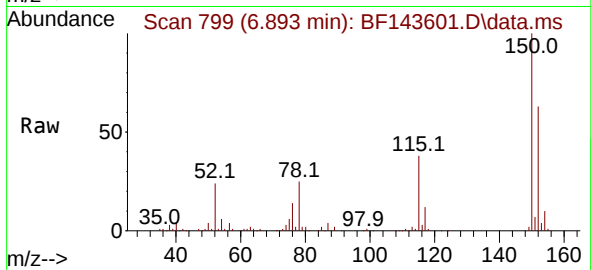




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 799
Delta R.T. 0.001 min
Lab File: BF143601.D
Acq: 27 Aug 2025 11:53

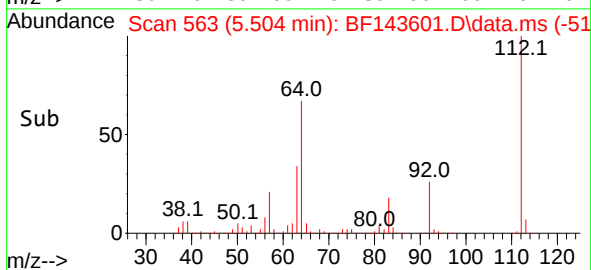
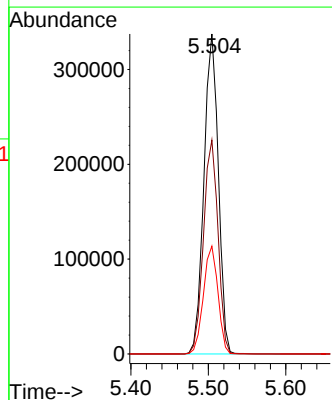
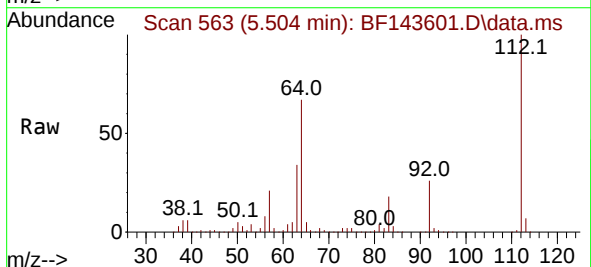
Instrument :
BNA_F
ClientSampleId :
FB-01-082025

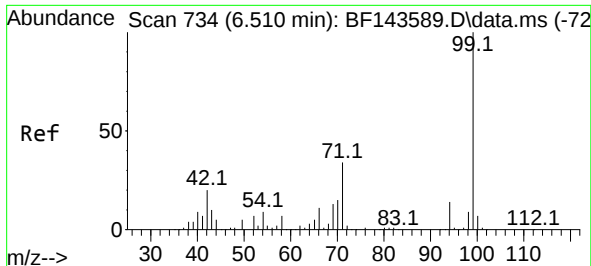
Tgt Ion:152 Resp: 111189
Ion Ratio Lower Upper
152 100
150 157.6 124.9 187.3
115 59.1 48.0 72.0



#5
2-Fluorophenol
Concen: 66.725 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF143601.D
Acq: 27 Aug 2025 11:53

Tgt Ion:112 Resp: 435909
Ion Ratio Lower Upper
112 100
64 66.9 54.8 82.2
63 33.7 27.6 41.4

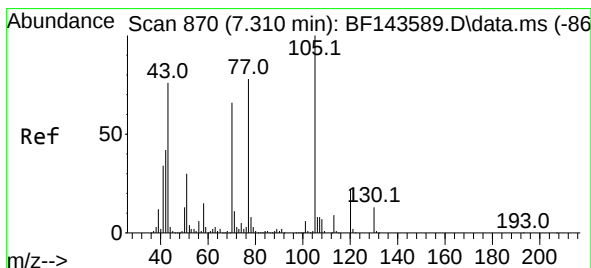
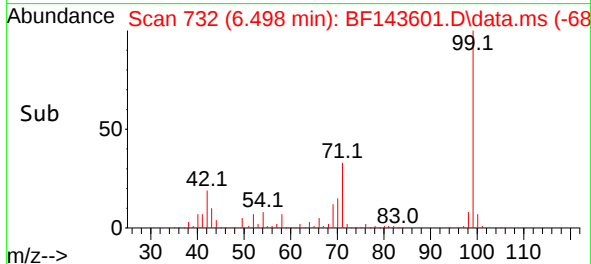
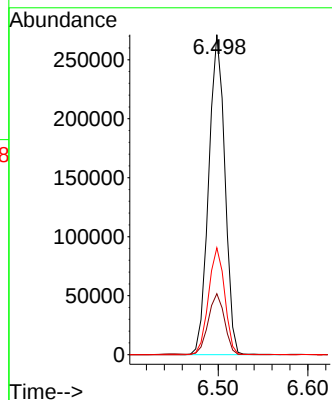
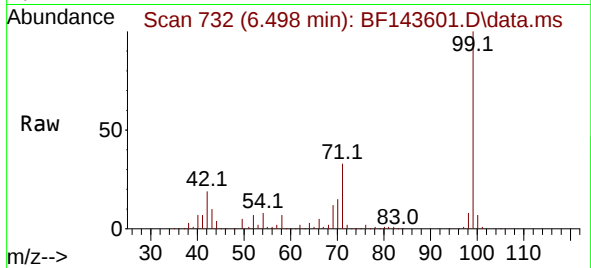




#7
Phenol-d6
Concen: 42.006 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF143601.D
Acq: 27 Aug 2025 11:53

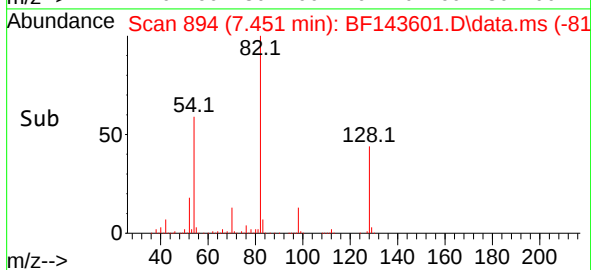
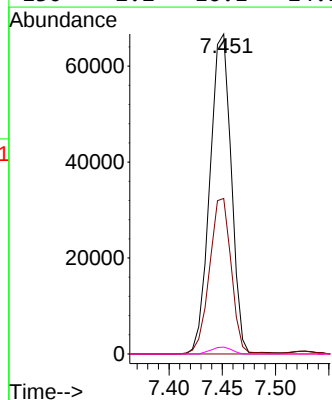
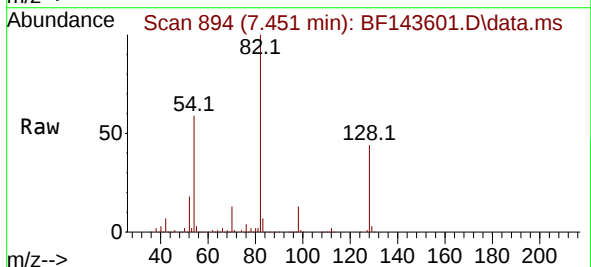
Instrument :
BNA_F
ClientSampleId :
FB-01-082025

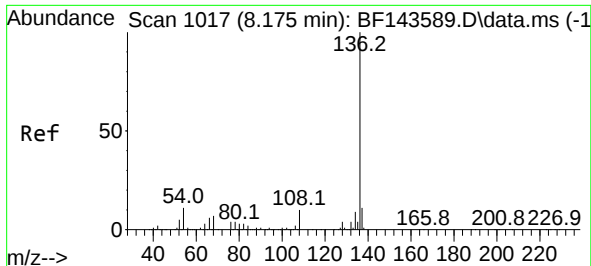
Tgt Ion: 99 Resp: 339890
Ion Ratio Lower Upper
99 100
42 19.1 15.9 23.9
71 33.4 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 18.158 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.141 min
Lab File: BF143601.D
Acq: 27 Aug 2025 11:53

Tgt Ion: 70 Resp: 93077
Ion Ratio Lower Upper
70 100
42 48.6 50.6 75.8#
101 0.0 7.5 11.3#
130 2.2 16.1 24.1#



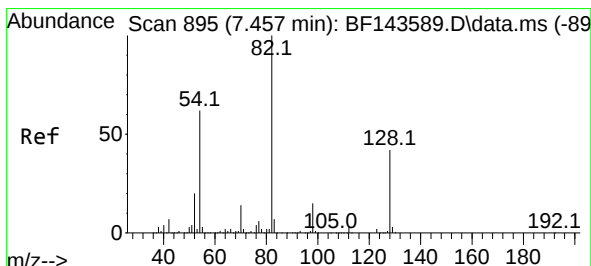
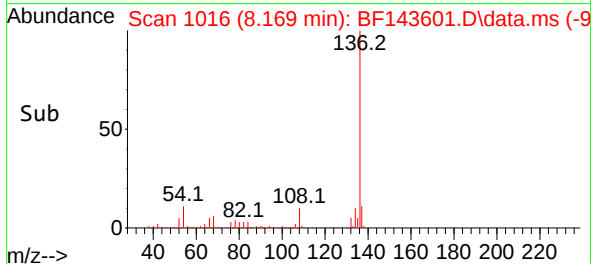
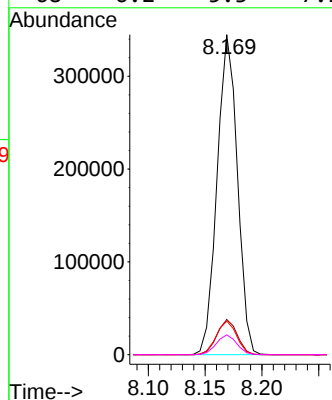
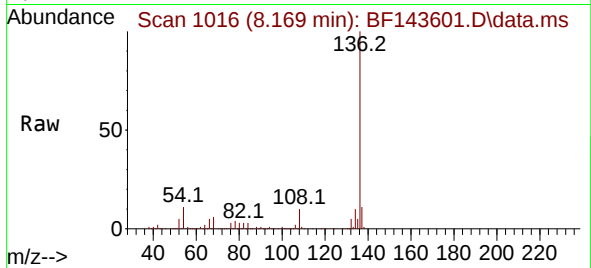


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143601.D
Acq: 27 Aug 2025 11:53

Instrument :
BNA_F
ClientSampleId :
FB-01-082025

Tgt Ion:136 Resp: 428717

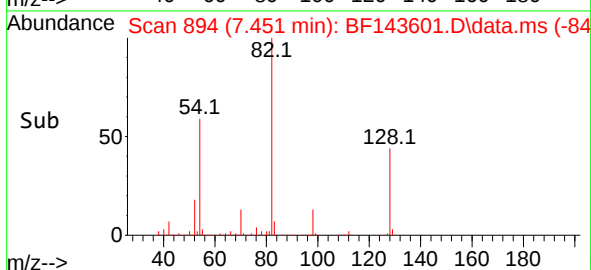
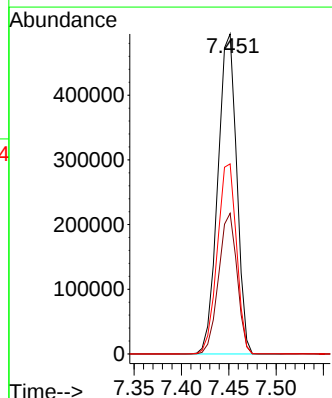
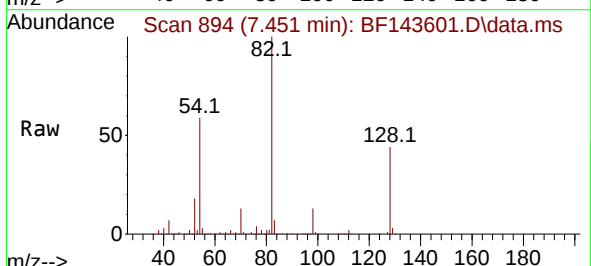
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	10.5	9.0	13.6
68	6.2	5.3	7.9

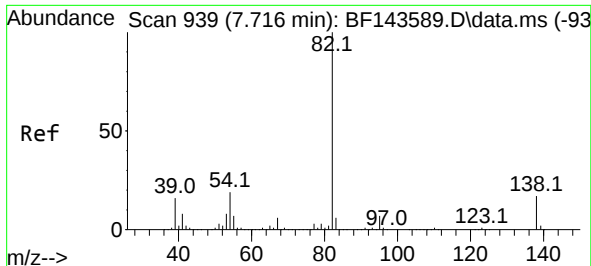


#23
Nitrobenzene-d5
Concen: 114.020 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF143601.D
Acq: 27 Aug 2025 11:53

Tgt Ion: 82 Resp: 684620

Ion	Ratio	Lower	Upper
82	100		
128	44.0	33.4	50.2
54	59.4	49.3	73.9

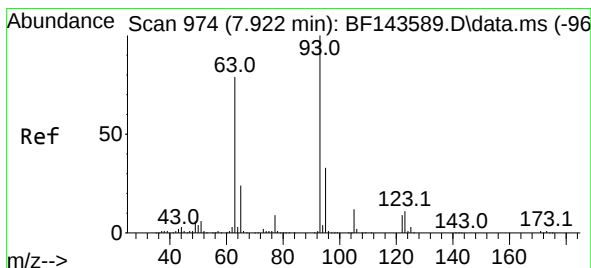
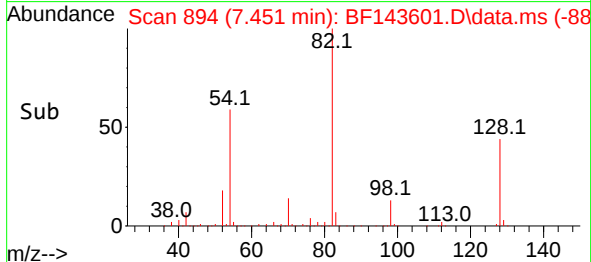
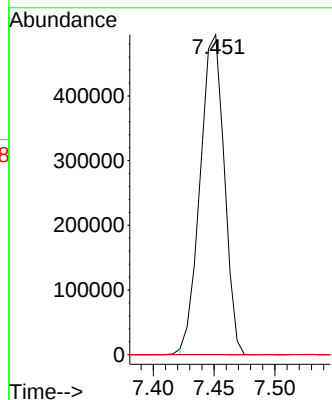
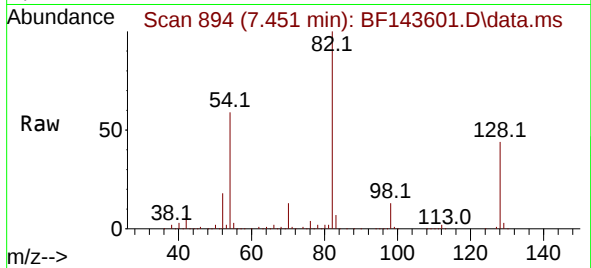




#25
Isophorone
Concen: 48.471 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.264 min
Lab File: BF143601.D
Acq: 27 Aug 2025 11:53

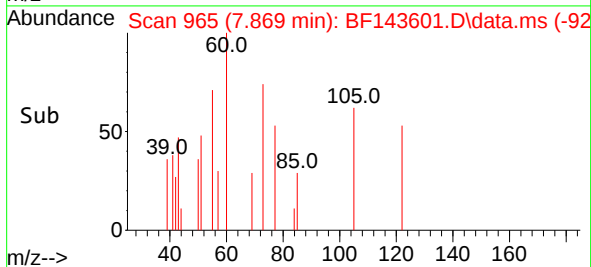
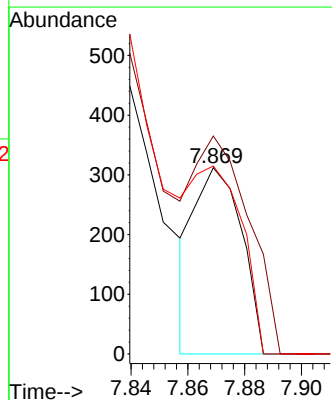
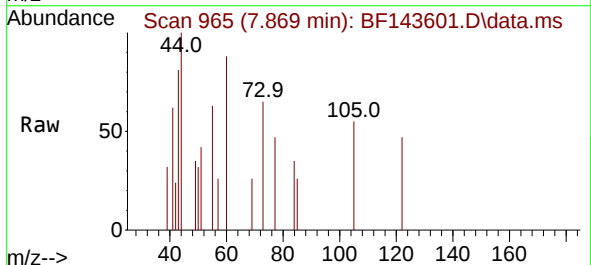
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BNA_F
ClientSampleId :
FB-01-082025

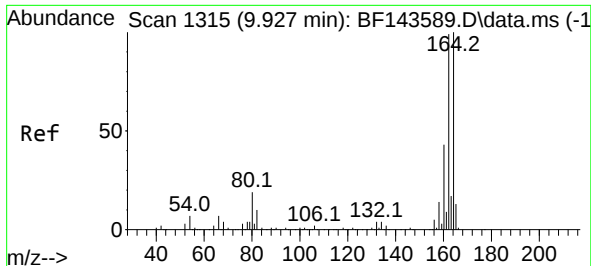
Tgt Ion: 82 Resp: 681082
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 13.8 20.8#



#32
Benzoic acid
Concen: 7.431 ng
RT: 7.869 min Scan# 965
Delta R.T. -0.053 min
Lab File: BF143601.D
Acq: 27 Aug 2025 11:53

Tgt Ion: 122 Resp: 360
Ion Ratio Lower Upper
122 100
105 117.0 106.4 146.4
77 101.0 79.3 119.3

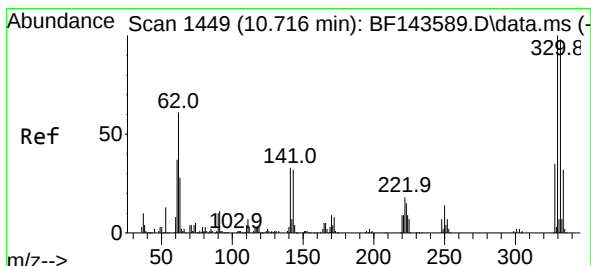
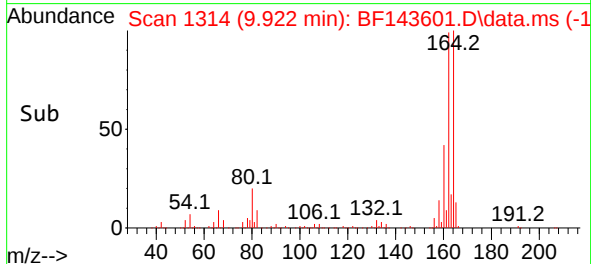
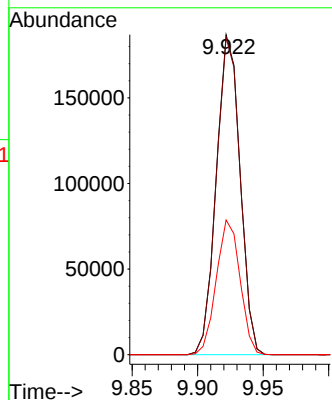
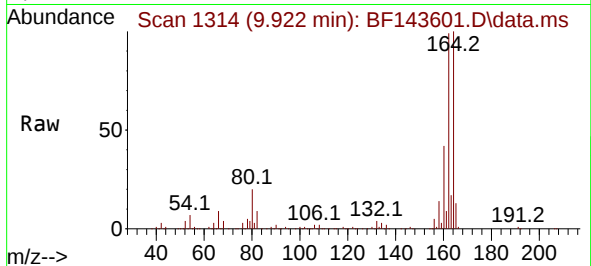




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF143601.D
Acq: 27 Aug 2025 11:53

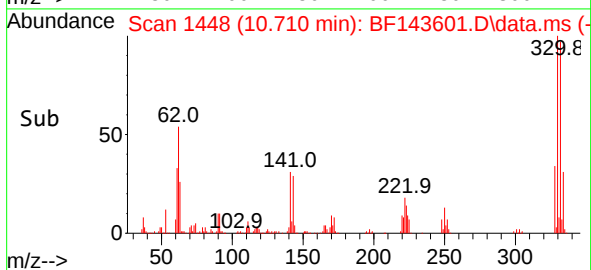
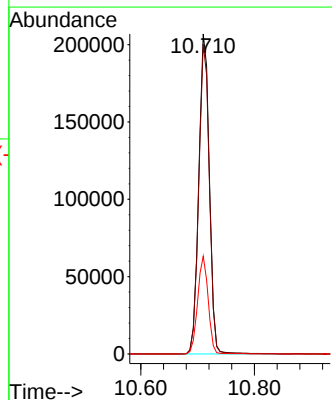
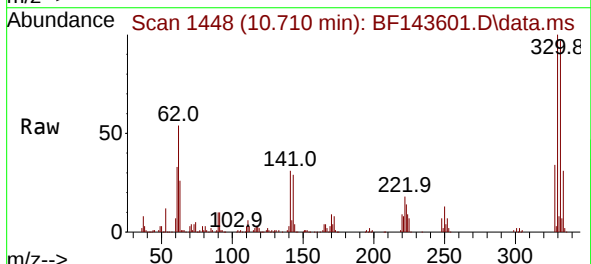
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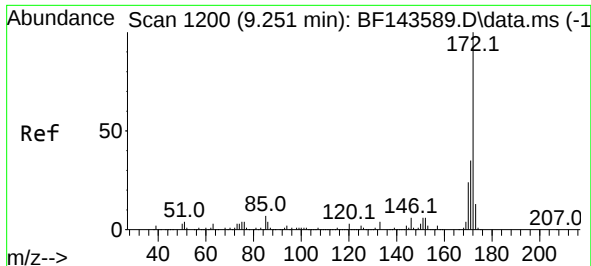
Tgt Ion:164 Resp: 235375
Ion Ratio Lower Upper
164 100
162 99.1 79.5 119.3
160 42.1 34.2 51.4



#42
2,4,6-Tribromophenol
Concen: 146.624 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF143601.D
Acq: 27 Aug 2025 11:53

Tgt Ion:330 Resp: 269887
Ion Ratio Lower Upper
330 100
332 96.7 78.2 117.4
141 30.3 25.4 38.0

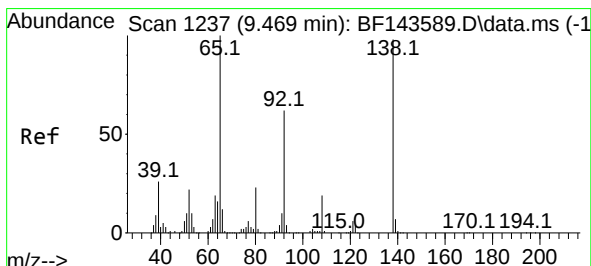
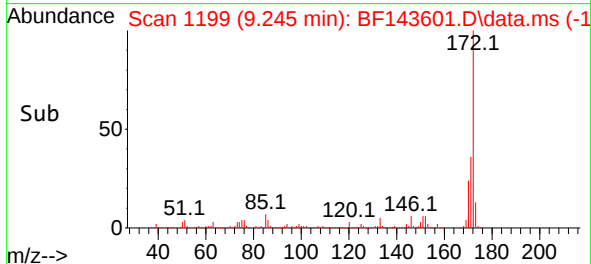
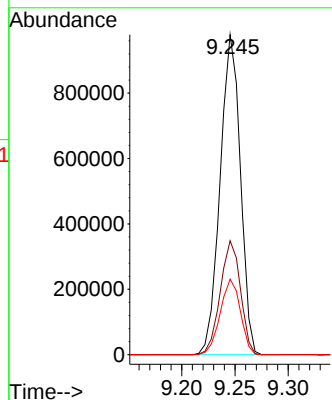
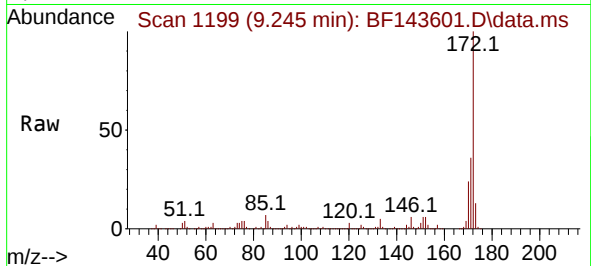




#45
2-Fluorobiphenyl
Concen: 93.787 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF143601.D
Acq: 27 Aug 2025 11:53

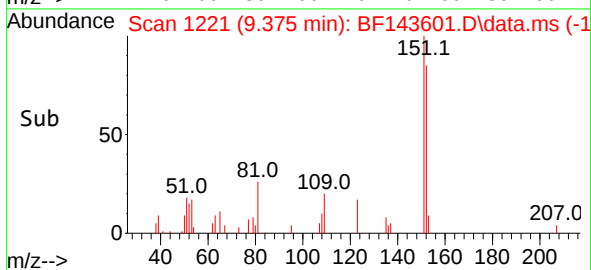
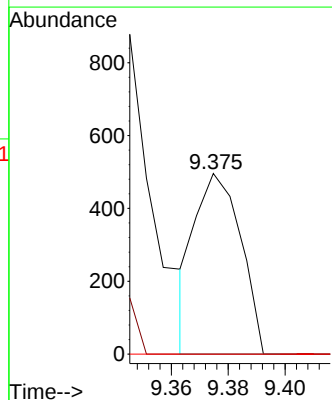
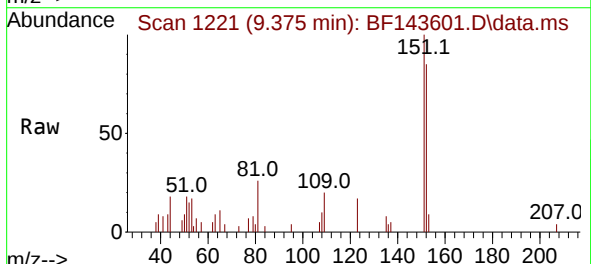
Instrument :
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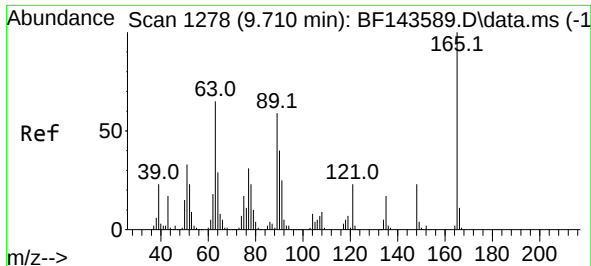
Tgt Ion:172 Resp: 1291128
Ion Ratio Lower Upper
172 100
171 35.6 28.3 42.5
170 23.6 19.0 28.4



#48
2-Nitroaniline
Concen: 4.446 ng
RT: 9.375 min Scan# 1221
Delta R.T. -0.094 min
Lab File: BF143601.D
Acq: 27 Aug 2025 11:53

Tgt Ion: 65 Resp: 553
Ion Ratio Lower Upper
65 100
92 0.0 49.6 74.4#
138 0.0 78.6 118.0#

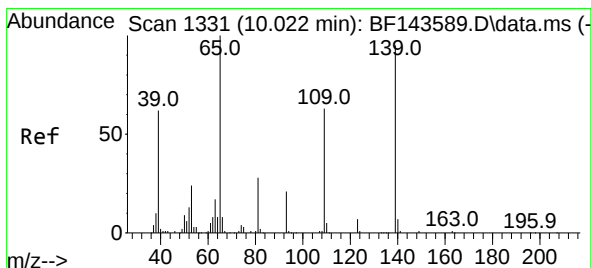
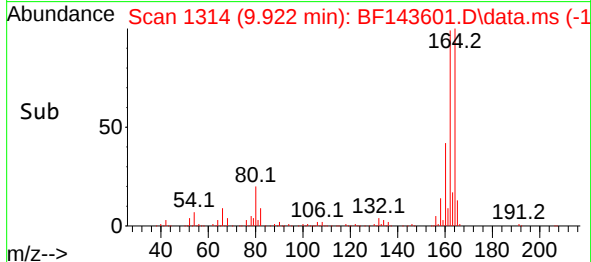
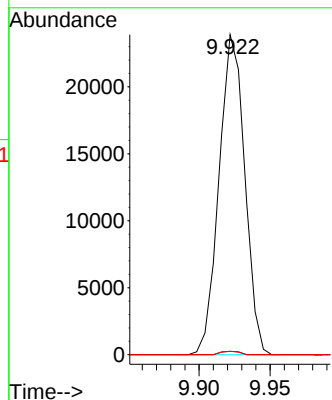
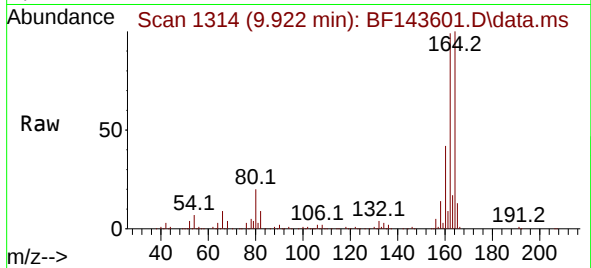




#51
2,6-Dinitrotoluene
Concen: 15.915 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF143601.D
Acq: 27 Aug 2025 11:53

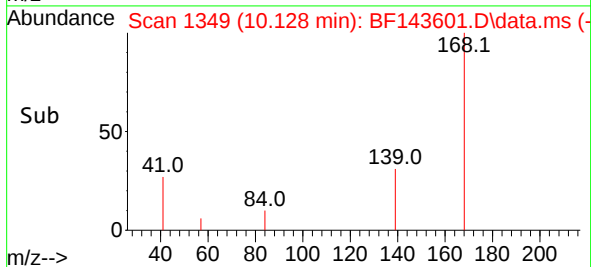
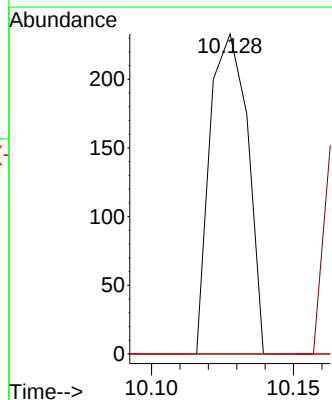
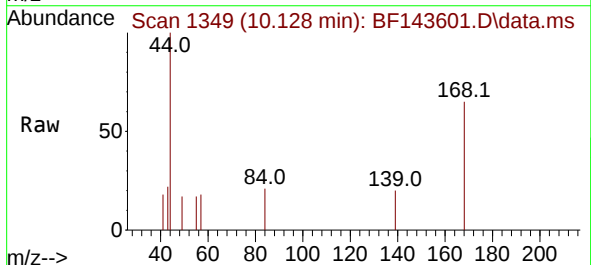
Instrument :
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ClientSampleId :
FB-01-082025

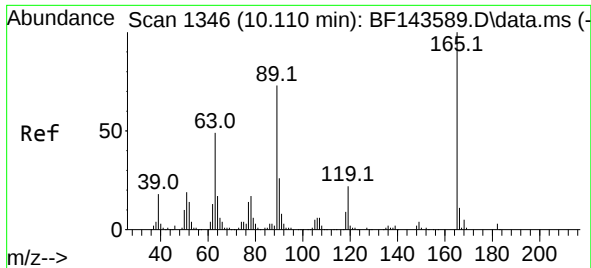
Tgt Ion:165 Resp: 30069
Ion Ratio Lower Upper
165 100
63 1.1 51.8 77.6#
89 1.0 47.4 71.2#



#56
4-Nitrophenol
Concen: 5.367 ng
RT: 10.128 min Scan# 1349
Delta R.T. 0.106 min
Lab File: BF143601.D
Acq: 27 Aug 2025 11:53

Tgt Ion:139 Resp: 215
Ion Ratio Lower Upper
139 100
109 0.0 47.3 87.3#
65 0.0 86.8 126.8#

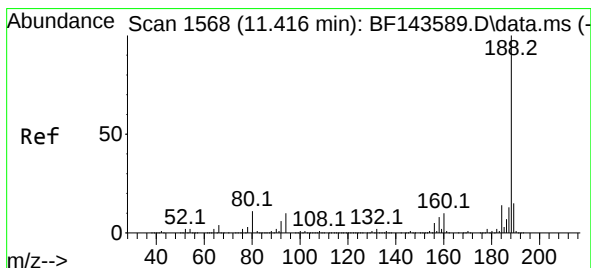
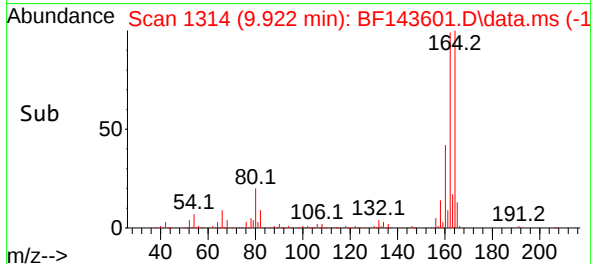
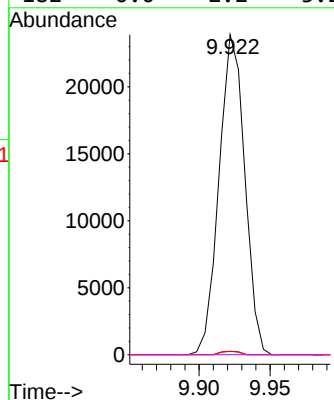
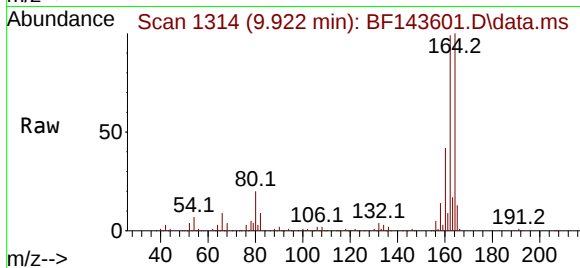




#57
2,4-Dinitrotoluene
Concen: 13.319 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF143601.D
Acq: 27 Aug 2025 11:53

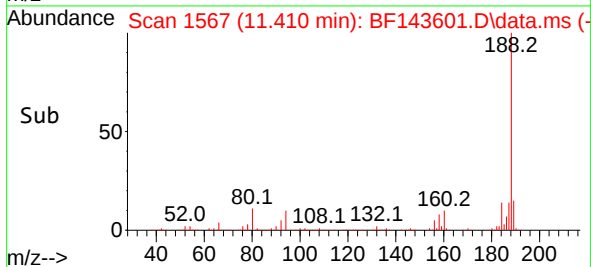
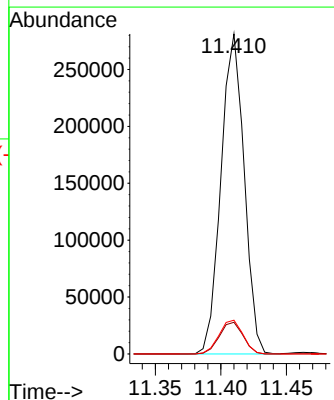
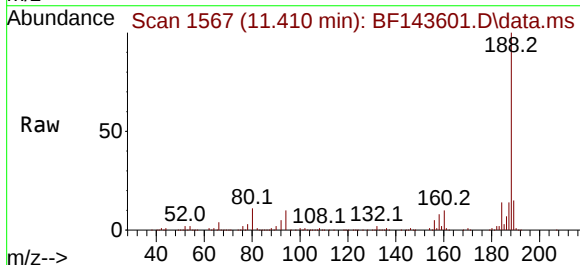
Instrument :
BNA_F
ClientSampleId :
FB-01-082025

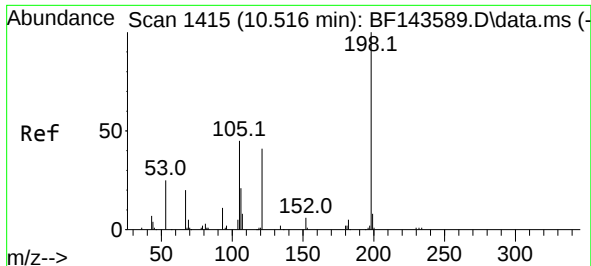
Tgt Ion:165 Resp: 30069
Ion Ratio Lower Upper
165 100
63 1.1 39.5 59.3#
89 1.0 58.1 87.1#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143601.D
Acq: 27 Aug 2025 11:53

Tgt Ion:188 Resp: 345422
Ion Ratio Lower Upper
188 100
94 9.9 8.2 12.4
80 10.6 8.9 13.3





#65

4,6-Dinitro-2-methylphenol

Concen: 8.141 ng

RT: 10.710 min Scan# 1415

Delta R.T. 0.194 min

Lab File: BF143601.D

Acq: 27 Aug 2025 11:53

Instrument :

BNA_F

ClientSampleId :

FB-01-082025

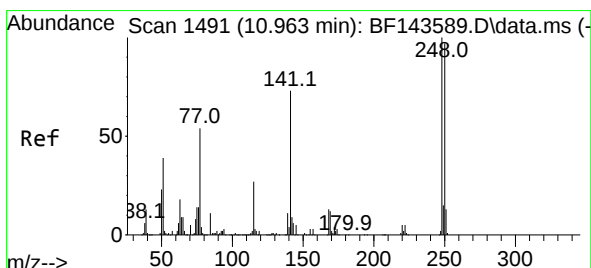
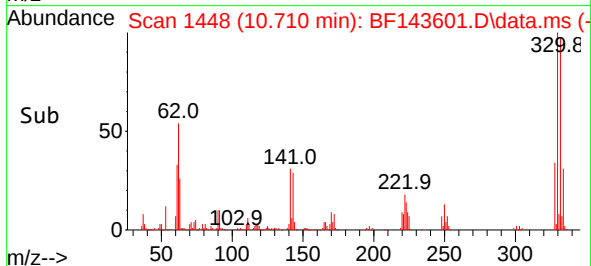
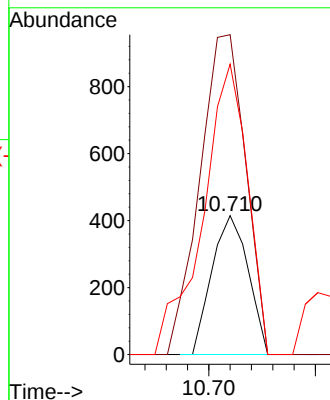
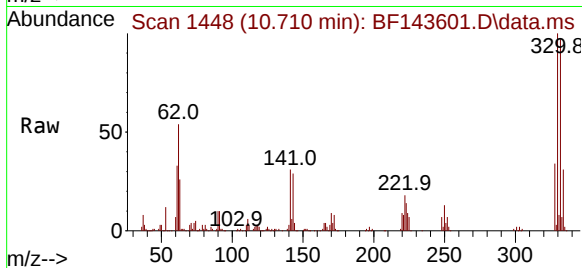
Tgt Ion:198 Resp: 491

Ion Ratio Lower Upper

198 100

51 230.1 41.5 81.5#

105 208.9 28.2 68.2#



#67

4-Bromophenyl-phenylether

Concen: 4.672 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.253 min

Lab File: BF143601.D

Acq: 27 Aug 2025 11:53

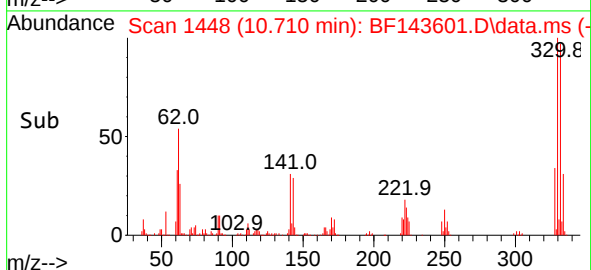
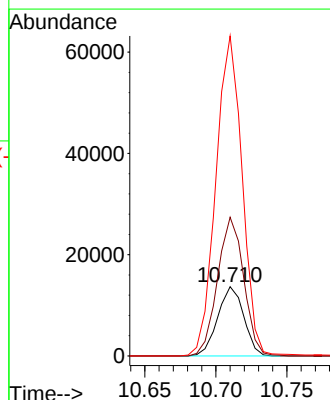
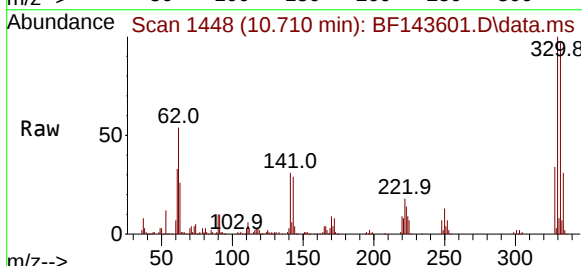
Tgt Ion:248 Resp: 17456

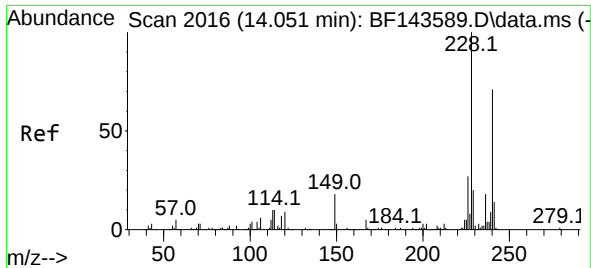
Ion Ratio Lower Upper

248 100

250 200.2 77.8 116.6#

141 461.6 58.5 87.7#

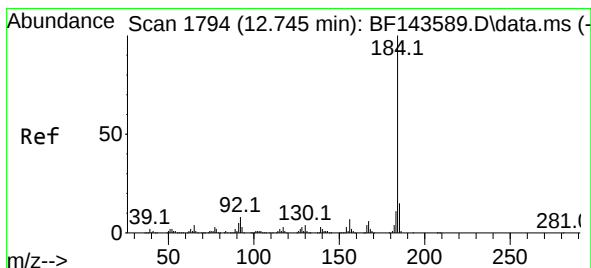
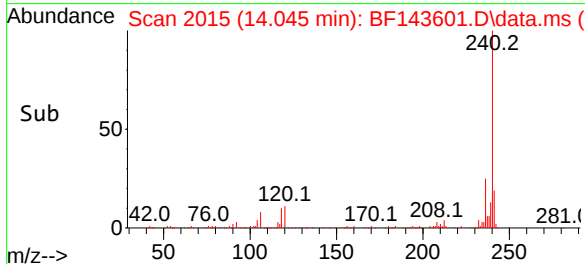
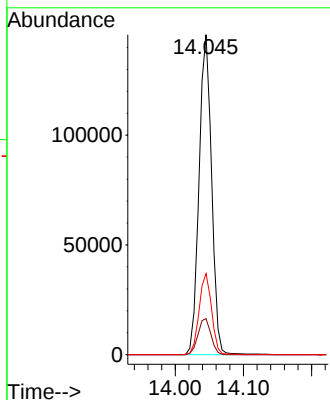
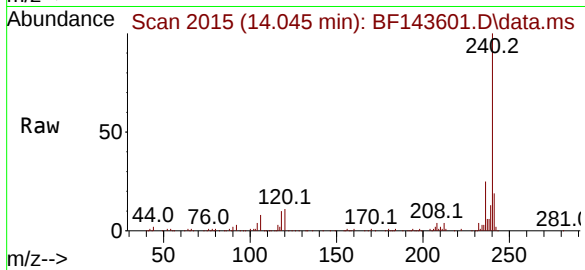




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143601.D
Acq: 27 Aug 2025 11:53

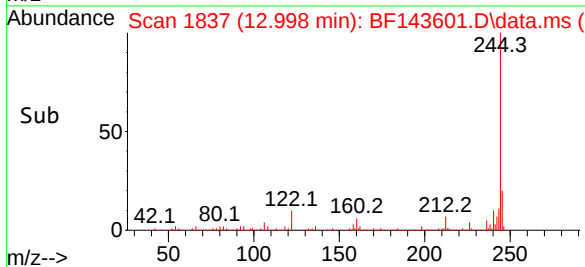
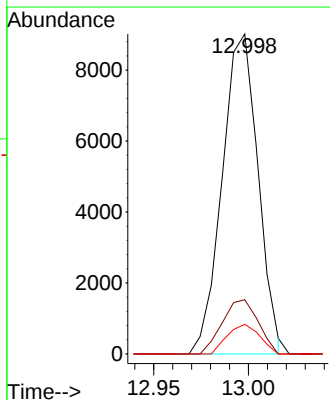
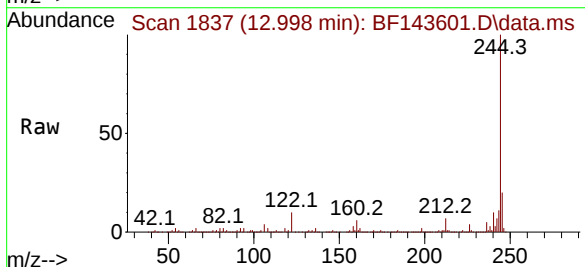
Instrument :
BNA_F
ClientSampleId :
FB-01-082025

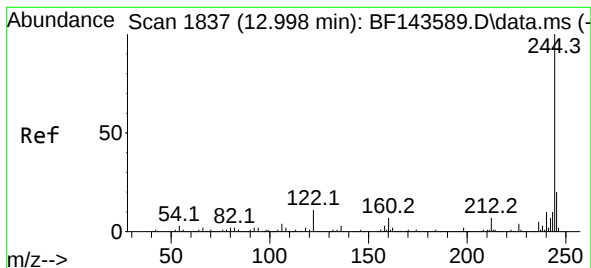
Tgt Ion:240 Resp: 186452
Ion Ratio Lower Upper
240 100
120 11.2 9.6 14.4
236 25.3 20.2 30.2



#77
Benzidine
Concen: 2.765 ng
RT: 12.998 min Scan# 1837
Delta R.T. 0.253 min
Lab File: BF143601.D
Acq: 27 Aug 2025 11:53

Tgt Ion:184 Resp: 11870
Ion Ratio Lower Upper
184 100
185 17.0 11.8 17.6
183 9.2 9.1 13.7





#79

Terphenyl-d14

Concen: 99.434 ng

RT: 12.998 min Scan# 1837

Delta R.T. 0.000 min

Lab File: BF143601.D

Acq: 27 Aug 2025 11:53

Instrument :

BNA_F

ClientSampleId :

FB-01-082025

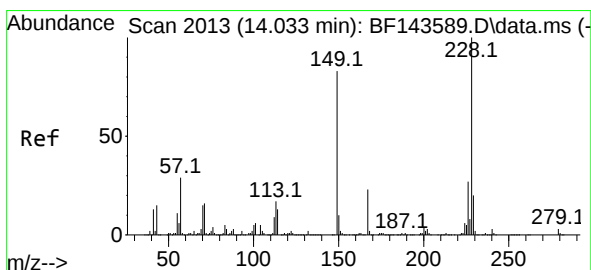
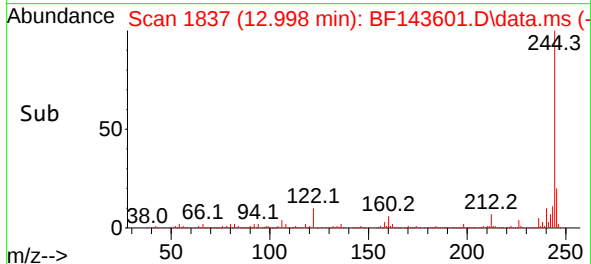
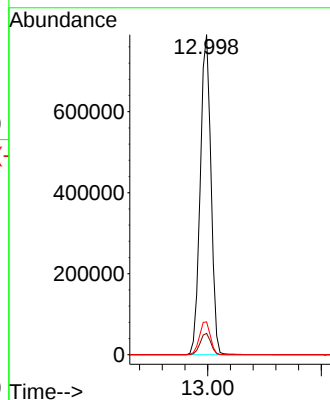
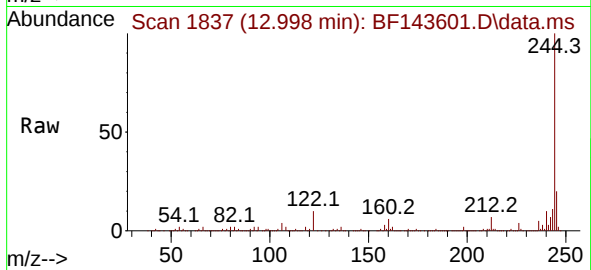
Tgt Ion:244 Resp: 1033143

Ion Ratio Lower Upper

244 100

212 6.7 5.5 8.3

122 10.2 8.8 13.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.304 ng

RT: 14.033 min Scan# 2013

Delta R.T. 0.000 min

Lab File: BF143601.D

Acq: 27 Aug 2025 11:53

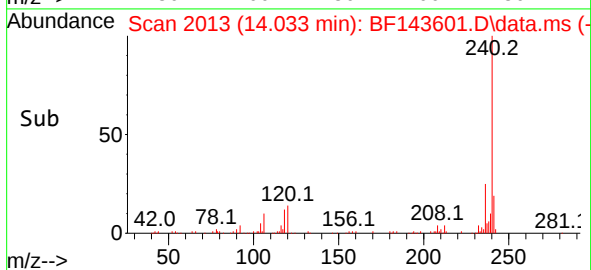
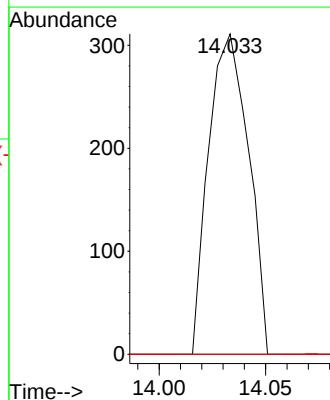
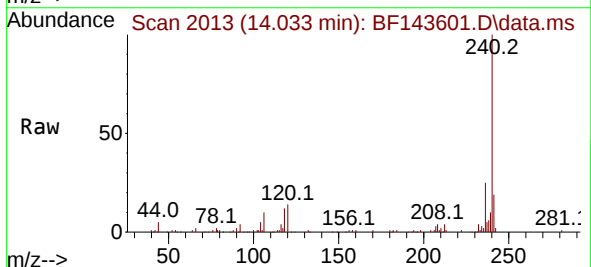
Tgt Ion:149 Resp: 406

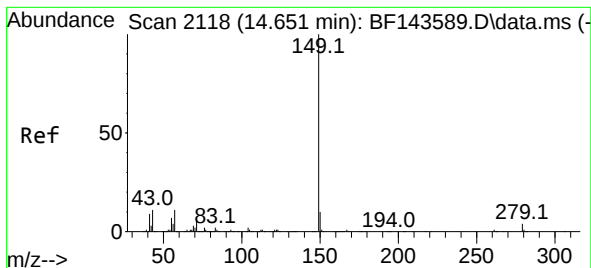
Ion Ratio Lower Upper

149 100

167 0.0 21.8 32.8#

279 0.0 2.9 4.3#





#85

Di-n-octyl phthalate

Concen: 5.876 ng

RT: 14.857 min Scan# 2118

Delta R.T. 0.206 min

Lab File: BF143601.D

Acq: 27 Aug 2025 11:53

Instrument :

BNA_F

ClientSampleId :

FB-01-082025

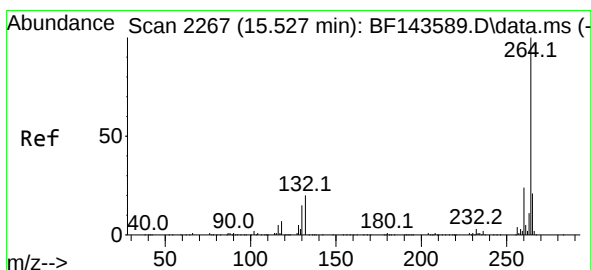
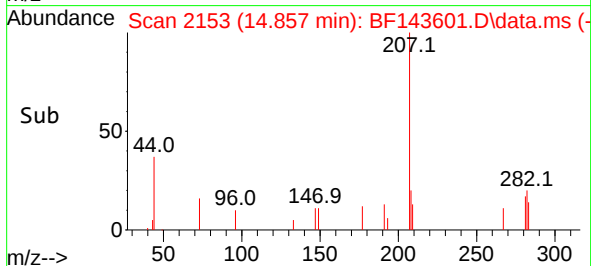
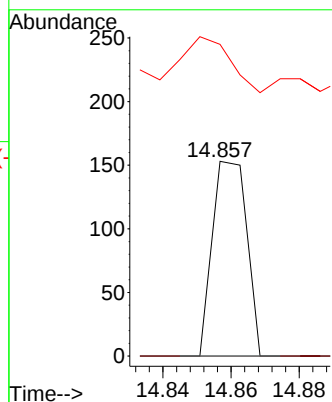
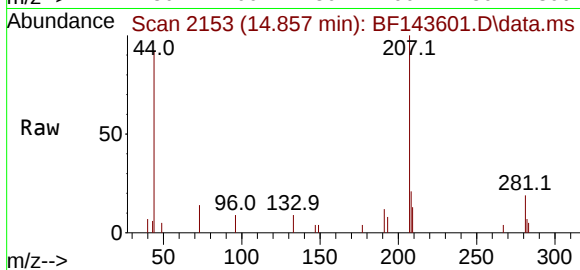
Tgt Ion:149 Resp: 107

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

43 41.1 9.5 14.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2266

Delta R.T. -0.006 min

Lab File: BF143601.D

Acq: 27 Aug 2025 11:53

Tgt Ion:264 Resp: 227431

Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

265 21.2 17.0 25.4

