

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082725\
 Data File : BF143602.D
 Acq On : 27 Aug 2025 12:22
 Operator : RC/JU
 Sample : Q2936-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-19C-082125

Quant Time: Aug 27 12:47:51 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)

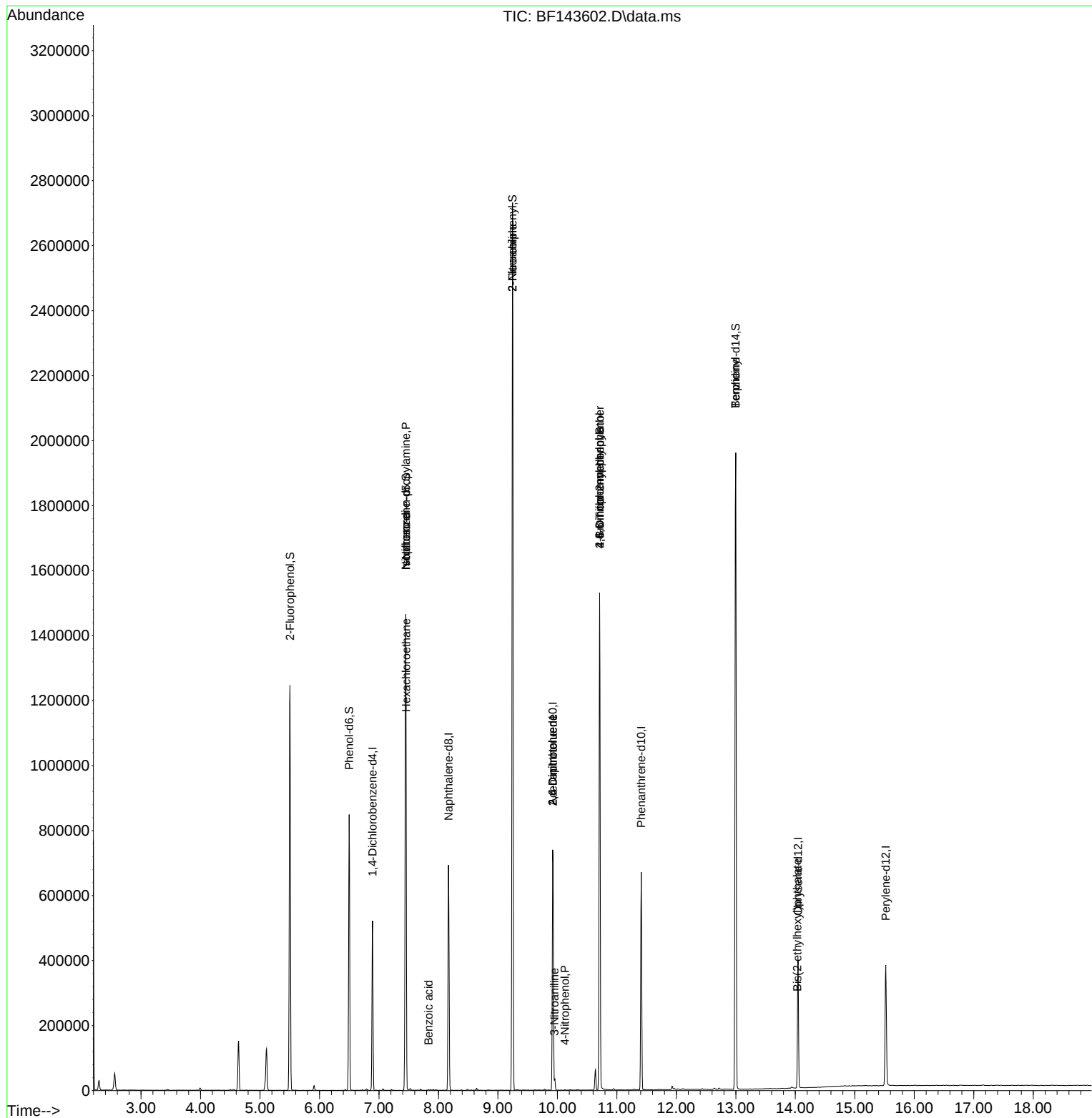
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	111346	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	415970	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	225098	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	332669	20.000	ng	0.00
76) Chrysene-d12	14.045	240	188945	20.000	ng	0.00
86) Perylene-d12	15.521	264	218770	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	456378	69.760	ng	0.00
7) Phenol-d6	6.498	99	374240	46.186	ng	-0.01
23) Nitrobenzene-d5	7.451	82	651535	111.836	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	265645	150.908	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1227083	93.205	ng	0.00
79) Terphenyl-d14	12.998	244	974104	92.514	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	7.457	117	5171	2.030	ng	# 1
19) n-Nitroso-di-n-propyla...	7.451	70	87760	17.097	ng	# 76
25) Isophorone	7.451	82	649547	47.643	ng	# 66
32) Benzoic acid	7.834	122	304	7.416	ng	# 97
48) 2-Nitroaniline	9.245	65	2243	4.901	ng	# 1
51) 2,6-Dinitrotoluene	9.922	165	28320	15.746	ng	# 21
53) 3-Nitroaniline	9.951	138	117	4.119	ng	# 2
56) 4-Nitrophenol	10.127	139	60	5.310	ng	# 5
57) 2,4-Dinitrotoluene	9.922	165	28320	13.190	ng	# 22
65) 4,6-Dinitro-2-methylph...	10.710	198	526	8.190	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	17198	4.779	ng	# 1
77) Benzidine	12.998	184	12039	2.768	ng	# 94
84) Bis(2-ethylhexyl)phtha...	14.033	149	528	3.323	ng	# 71

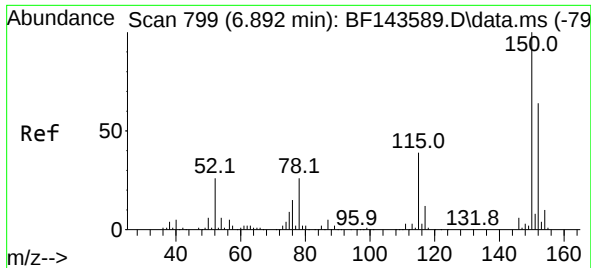
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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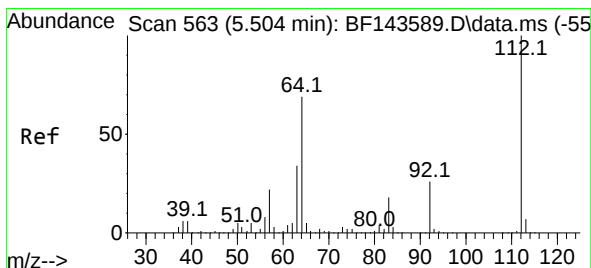
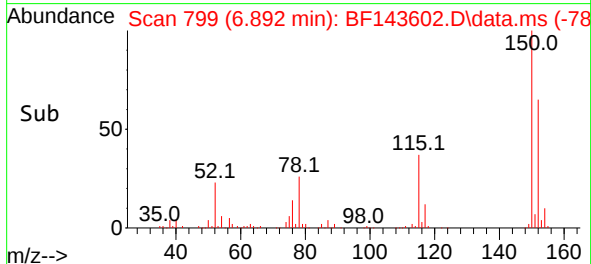
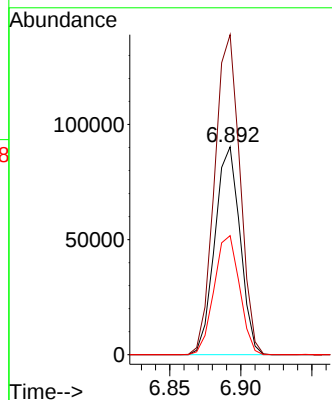
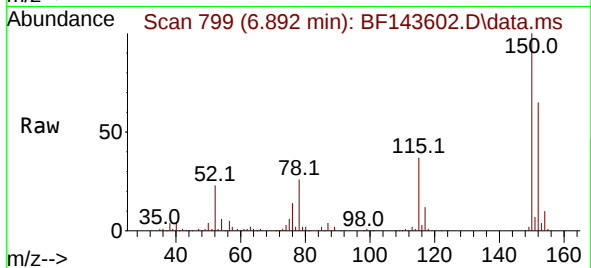




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.892 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: BF143602.D
 Acq: 27 Aug 2025 12:22

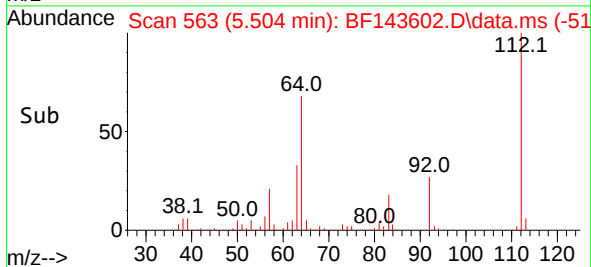
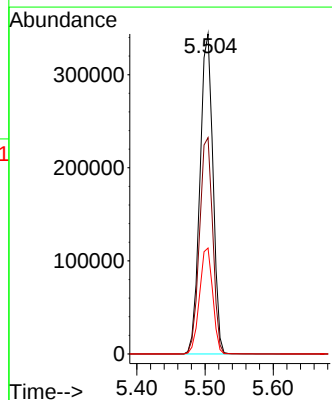
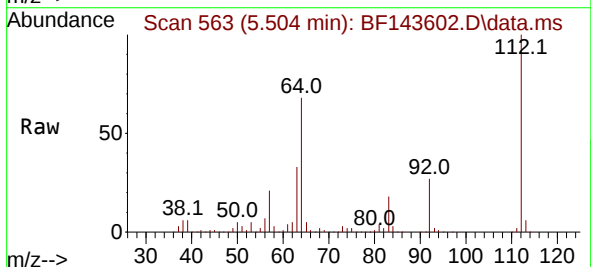
Instrument :
 BNA_F
 ClientSampleId :
 MW-19C-082125

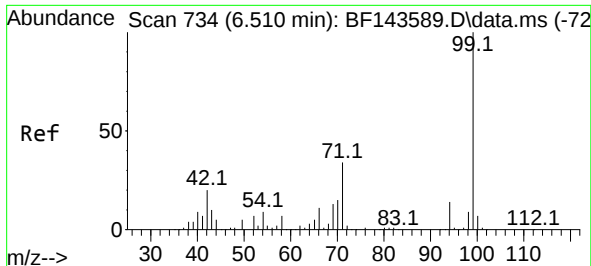
Tgt Ion:152 Resp: 111346
 Ion Ratio Lower Upper
 152 100
 150 153.9 124.9 187.3
 115 57.3 48.0 72.0



#5
 2-Fluorophenol
 Concen: 69.760 ng
 RT: 5.504 min Scan# 563
 Delta R.T. 0.000 min
 Lab File: BF143602.D
 Acq: 27 Aug 2025 12:22

Tgt Ion:112 Resp: 456378
 Ion Ratio Lower Upper
 112 100
 64 67.6 54.8 82.2
 63 33.1 27.6 41.4

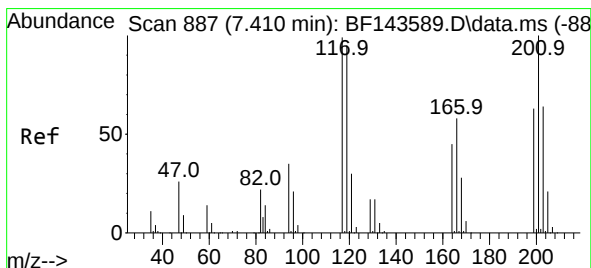
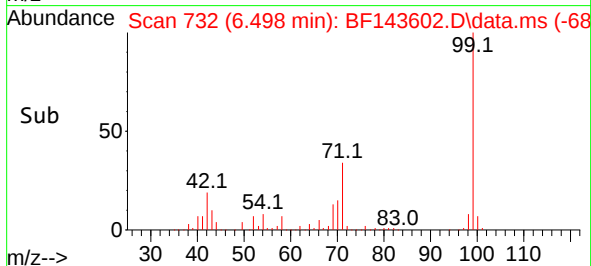
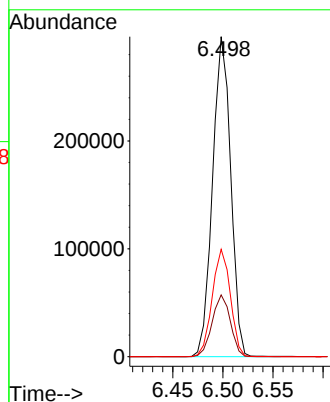
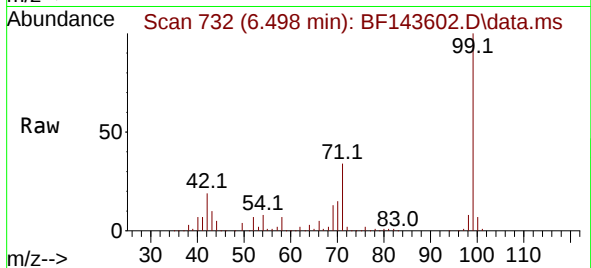




#7
Phenol-d6
Concen: 46.186 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF143602.D
Acq: 27 Aug 2025 12:22

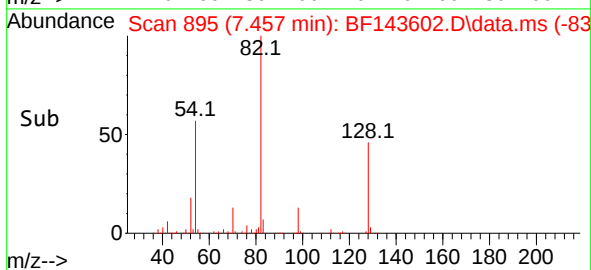
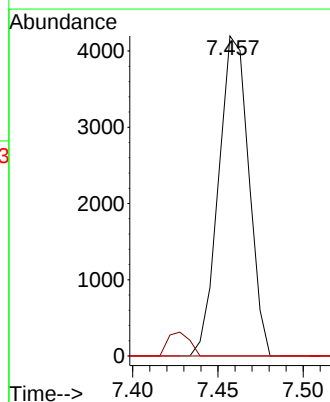
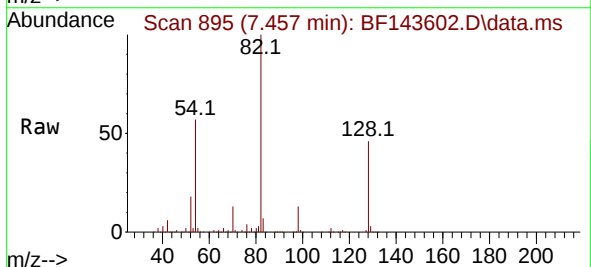
Instrument :
BNA_F
ClientSampleId :
MW-19C-082125

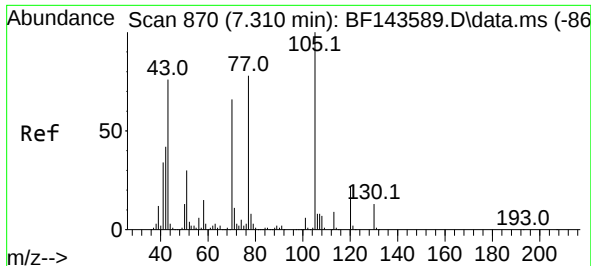
Tgt Ion: 99 Resp: 374240
Ion Ratio Lower Upper
99 100
42 19.3 15.9 23.9
71 33.6 27.2 40.8



#18
Hexachloroethane
Concen: 2.030 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.047 min
Lab File: BF143602.D
Acq: 27 Aug 2025 12:22

Tgt Ion: 117 Resp: 5171
Ion Ratio Lower Upper
117 100
119 0.0 76.6 115.0#
201 0.0 81.0 121.4#





#19

n-Nitroso-di-n-propylamine

Concen: 17.097 ng

RT: 7.451 min Scan# 894

Delta R.T. 0.141 min

Lab File: BF143602.D

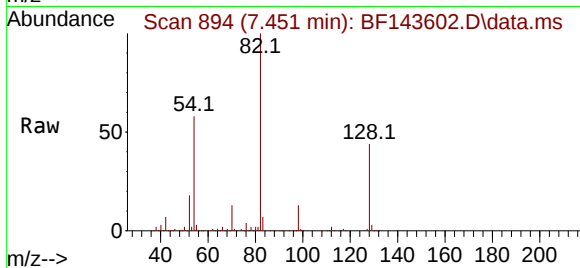
Acq: 27 Aug 2025 12:22

Instrument :

BNA_F

ClientSampleId :

MW-19C-082125



Tgt Ion: 70 Resp: 87760

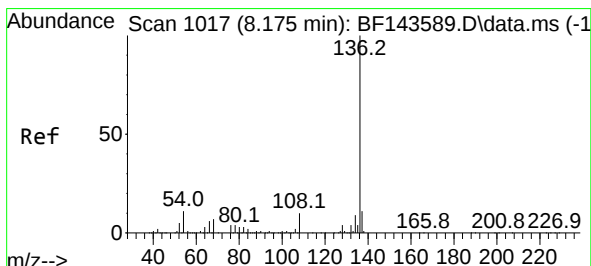
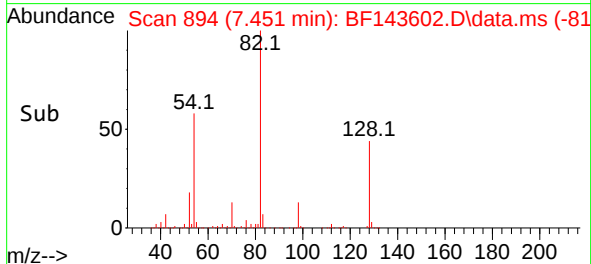
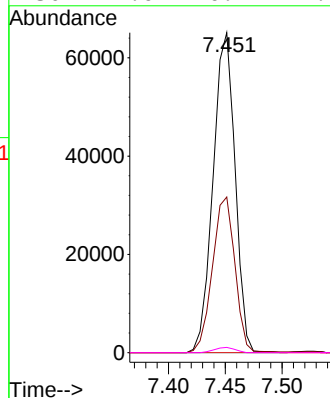
Ion Ratio Lower Upper

70 100

42 48.6 50.6 75.8#

101 0.0 7.5 11.3#

130 1.6 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: BF143602.D

Acq: 27 Aug 2025 12:22

Tgt Ion: 136 Resp: 415970

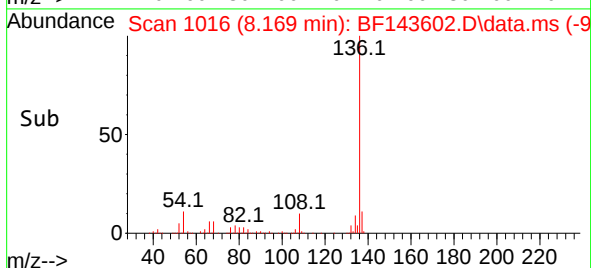
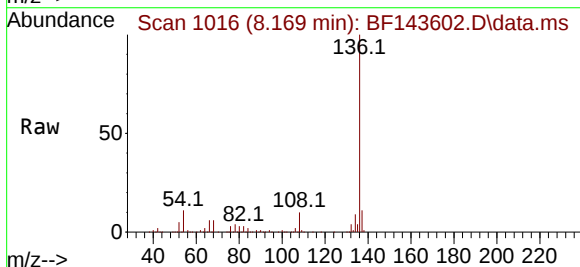
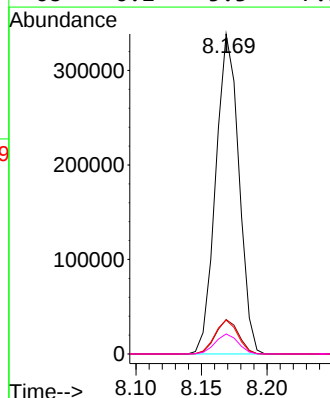
Ion Ratio Lower Upper

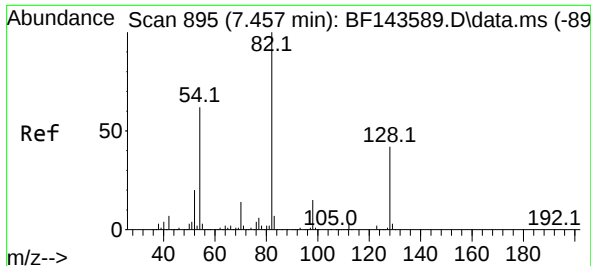
136 100

137 10.7 8.9 13.3

54 10.6 9.0 13.6

68 6.2 5.3 7.9





#23

Nitrobenzene-d5

Concen: 111.836 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.006 min

Lab File: BF143602.D

Acq: 27 Aug 2025 12:22

Instrument :

BNA_F

ClientSampleId :

MW-19C-082125

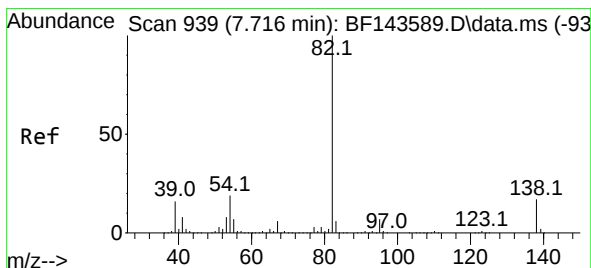
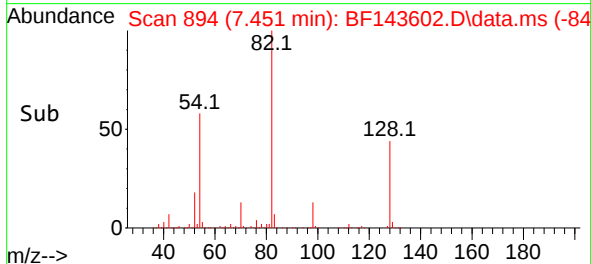
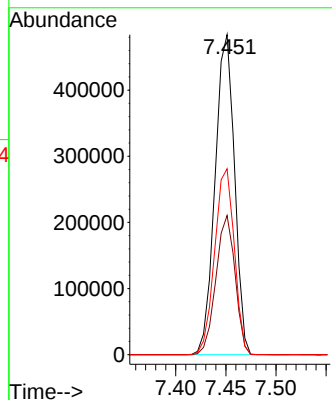
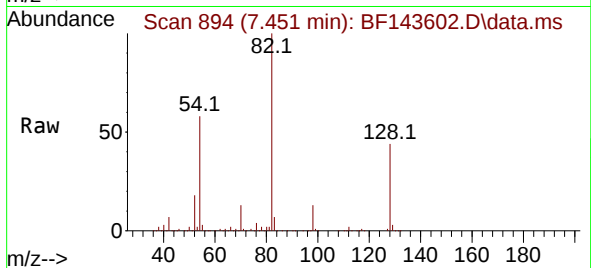
Tgt Ion: 82 Resp: 651535

Ion Ratio Lower Upper

82 100

128 43.5 33.4 50.2

54 58.1 49.3 73.9



#25

Isophorone

Concen: 47.643 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.265 min

Lab File: BF143602.D

Acq: 27 Aug 2025 12:22

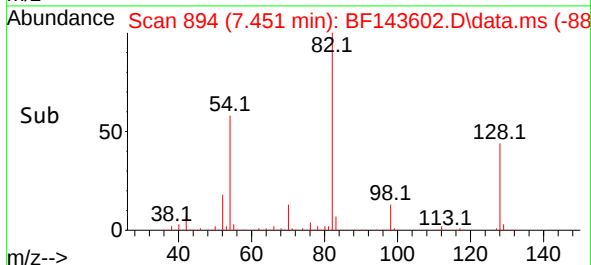
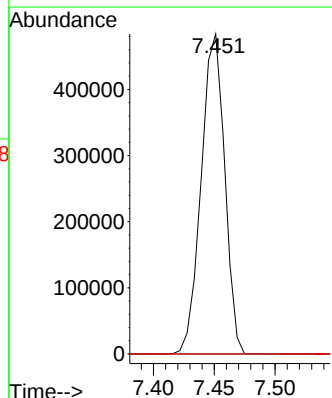
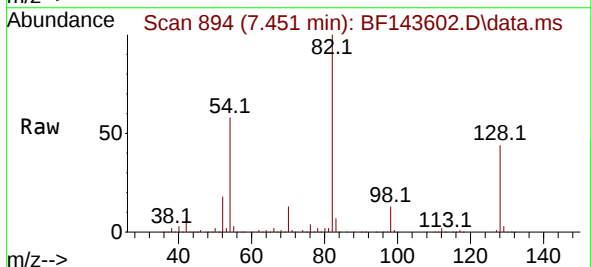
Tgt Ion: 82 Resp: 649547

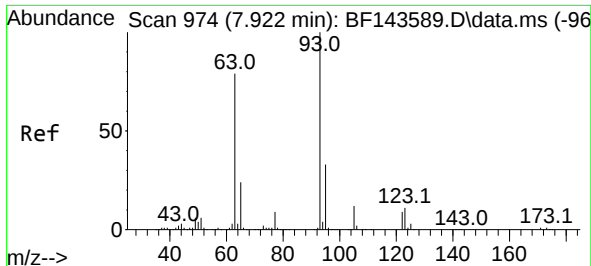
Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 13.8 20.8#

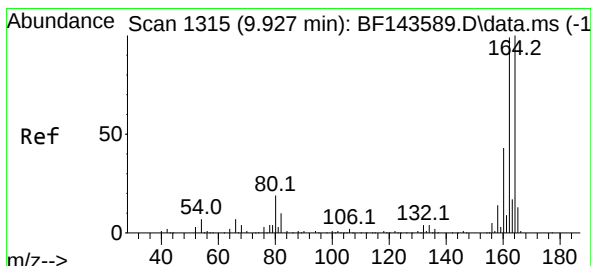
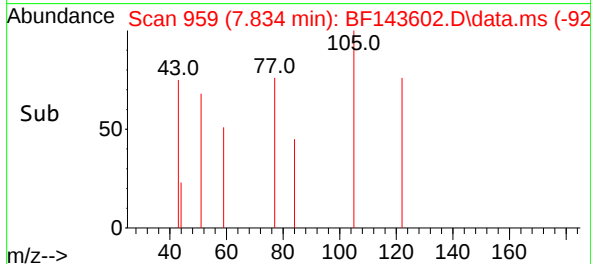
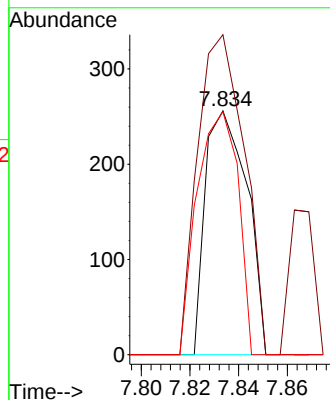
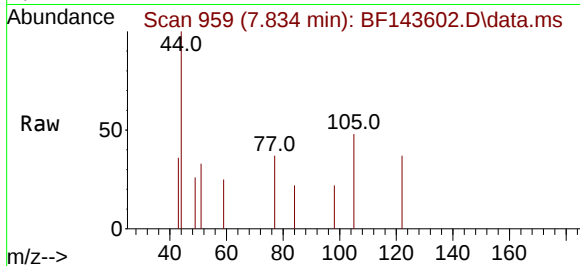




#32
Benzoic acid
Concen: 7.416 ng
RT: 7.834 min Scan# 91
Delta R.T. -0.088 min
Lab File: BF143602.D
Acq: 27 Aug 2025 12:22

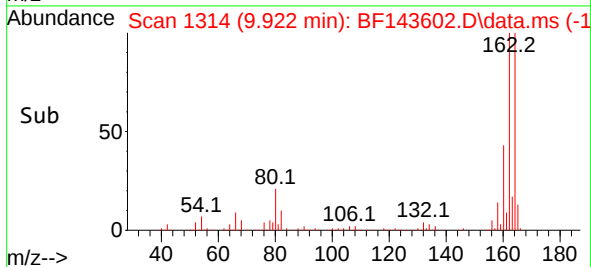
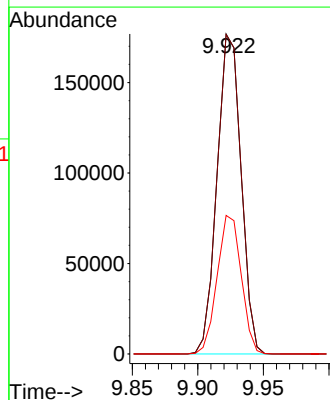
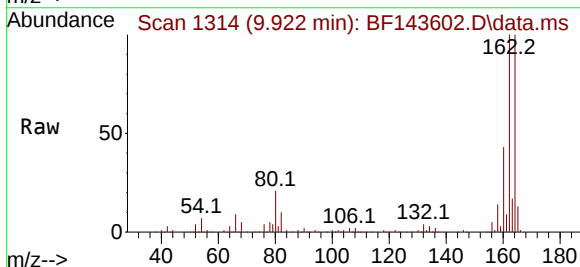
Instrument :
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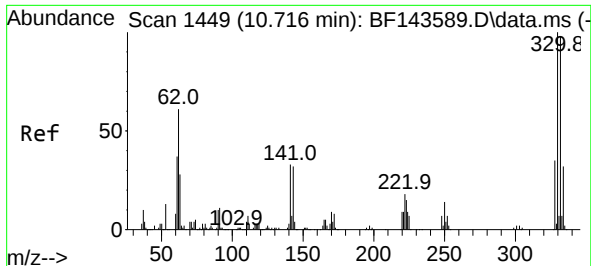
Tgt Ion:122	Resp:	304	
Ion	Ratio	Lower	Upper
122	100		
105	131.3	106.4	146.4
77	99.6	79.3	119.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143602.D
Acq: 27 Aug 2025 12:22

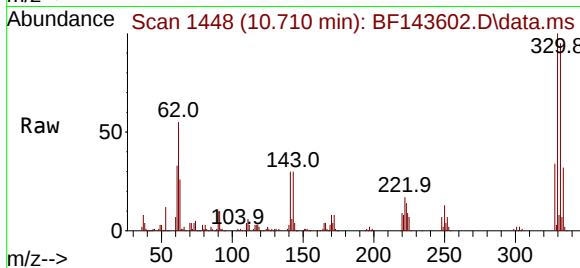
Tgt Ion:164	Resp:	225098	
Ion	Ratio	Lower	Upper
164	100		
162	99.8	79.5	119.3
160	43.3	34.2	51.4



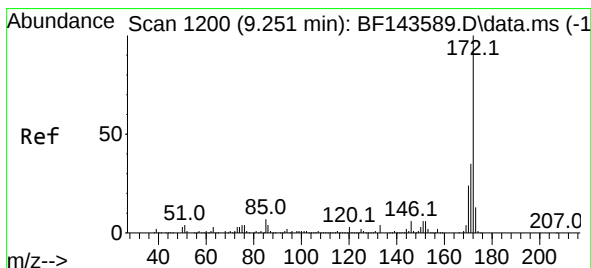
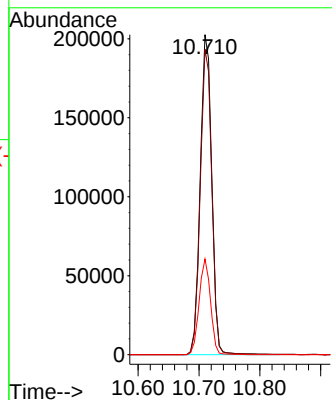
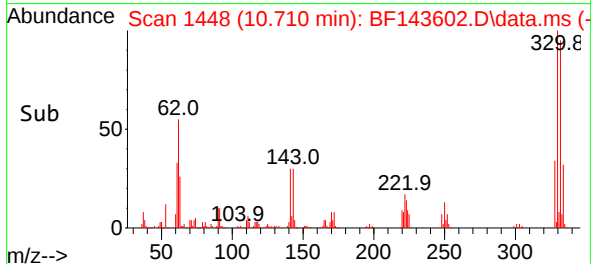


#42
2,4,6-Tribromophenol
Concen: 150.908 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143602.D
Acq: 27 Aug 2025 12:22

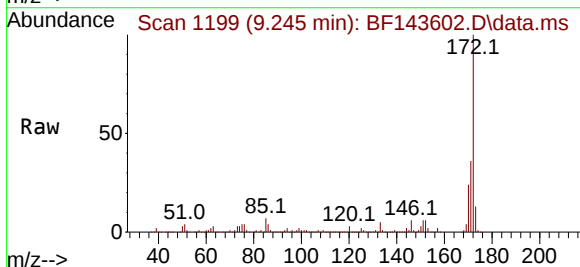
Instrument :
BNA_F
ClientSampleId :
MW-19C-082125



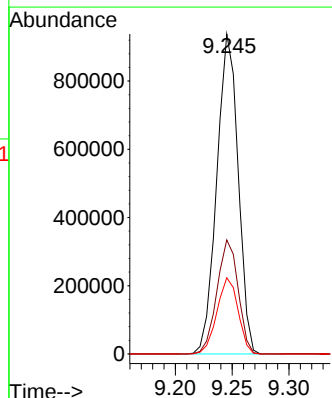
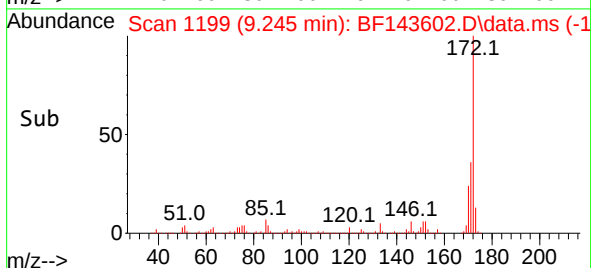
Tgt Ion:330 Resp: 265645
Ion Ratio Lower Upper
330 100
332 95.4 78.2 117.4
141 29.5 25.4 38.0

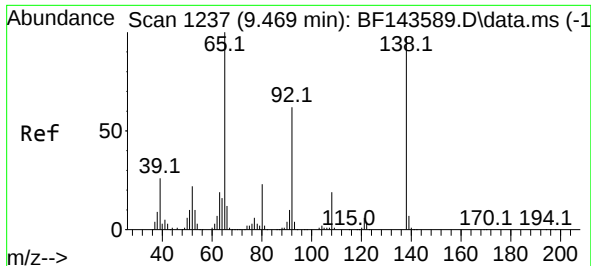


#45
2-Fluorobiphenyl
Concen: 93.205 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF143602.D
Acq: 27 Aug 2025 12:22



Tgt Ion:172 Resp: 1227083
Ion Ratio Lower Upper
172 100
171 35.7 28.3 42.5
170 23.8 19.0 28.4





#48

2-Nitroaniline

Concen: 4.901 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.224 min

Lab File: BF143602.D

Acq: 27 Aug 2025 12:22

Instrument :

BNA_F

ClientSampleId :

MW-19C-082125

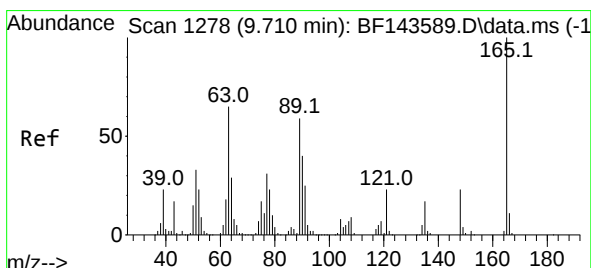
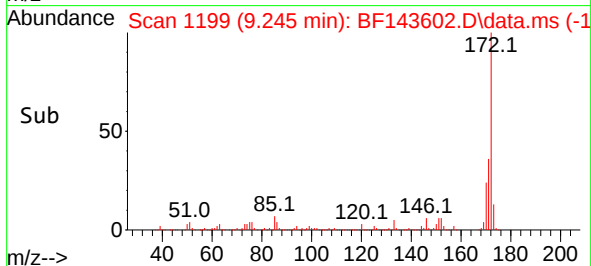
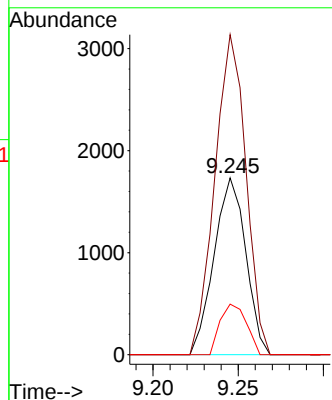
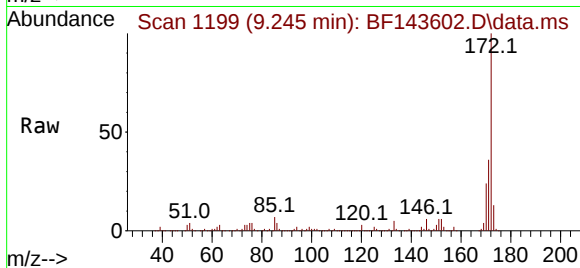
Tgt Ion: 65 Resp: 2243

Ion Ratio Lower Upper

65 100

92 181.0 49.6 74.4#

138 28.6 78.6 118.0#



#51

2,6-Dinitrotoluene

Concen: 15.746 ng

RT: 9.922 min Scan# 1314

Delta R.T. 0.212 min

Lab File: BF143602.D

Acq: 27 Aug 2025 12:22

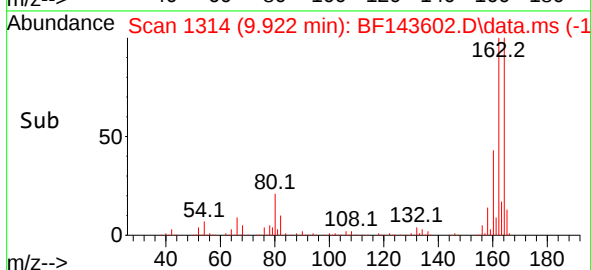
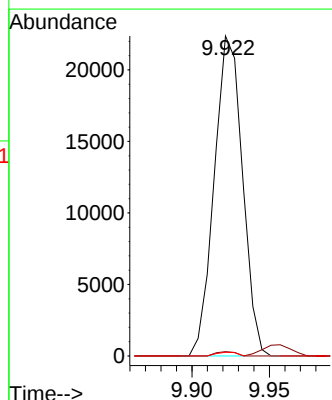
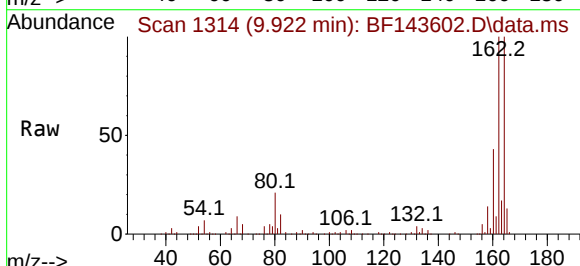
Tgt Ion:165 Resp: 28320

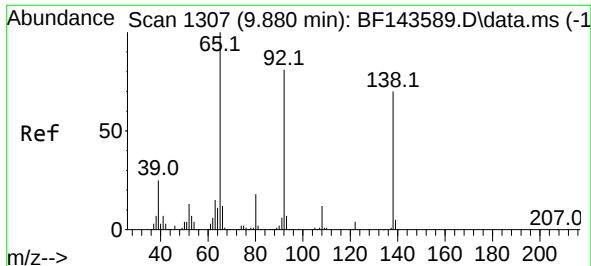
Ion Ratio Lower Upper

165 100

63 1.3 51.8 77.6#

89 1.1 47.4 71.2#

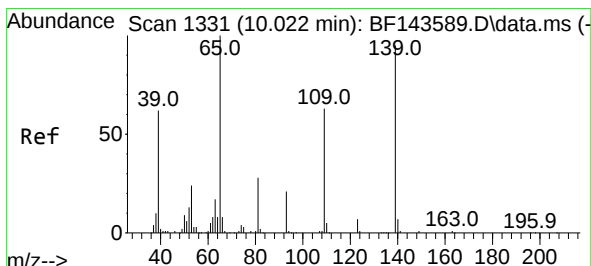
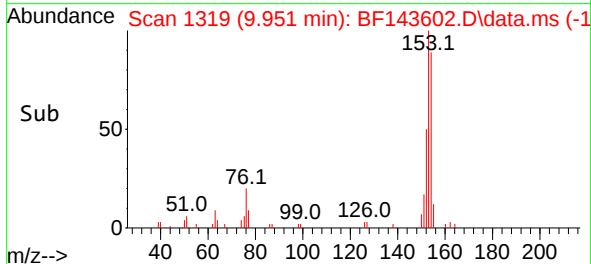
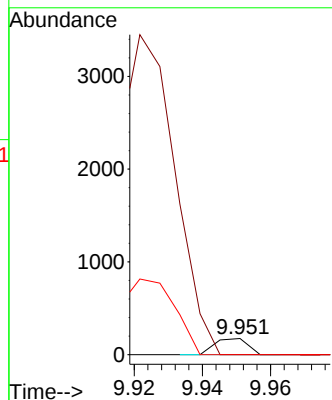
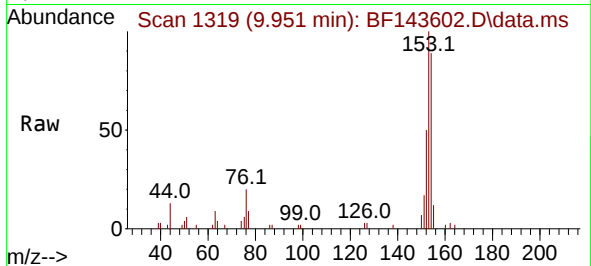




#53
3-Nitroaniline
Concen: 4.119 ng
RT: 9.951 min Scan# 117
Delta R.T. 0.071 min
Lab File: BF143602.D
Acq: 27 Aug 2025 12:22

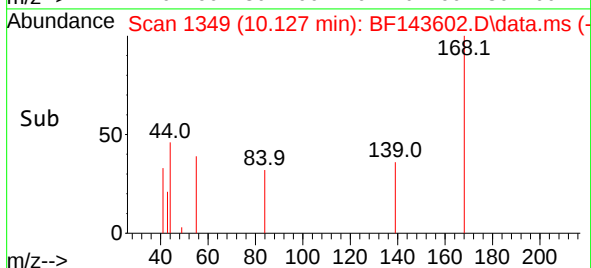
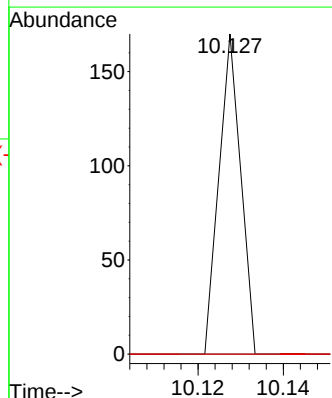
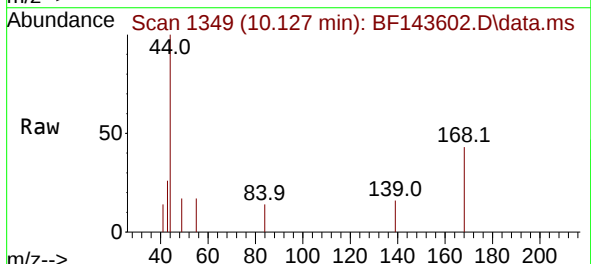
Instrument :
BNA_F
ClientSampleId :
MW-19C-082125

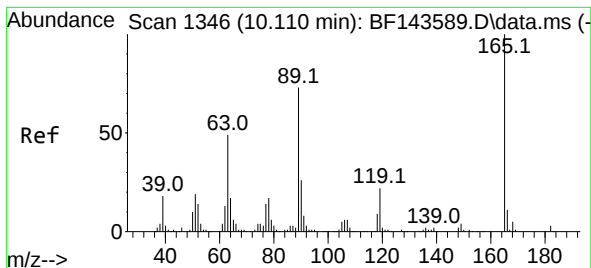
Tgt Ion:138 Resp: 117
Ion Ratio Lower Upper
138 100
108 0.0 13.8 20.8#
92 0.0 92.6 139.0#



#56
4-Nitrophenol
Concen: 5.310 ng
RT: 10.127 min Scan# 1349
Delta R.T. 0.105 min
Lab File: BF143602.D
Acq: 27 Aug 2025 12:22

Tgt Ion:139 Resp: 60
Ion Ratio Lower Upper
139 100
109 0.0 47.3 87.3#
65 0.0 86.8 126.8#

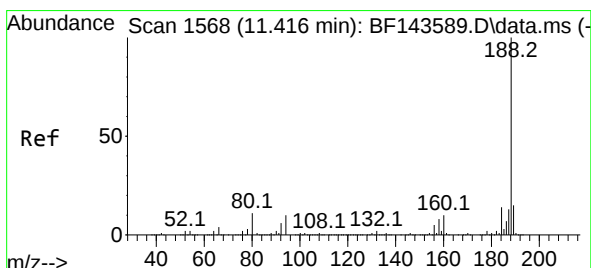
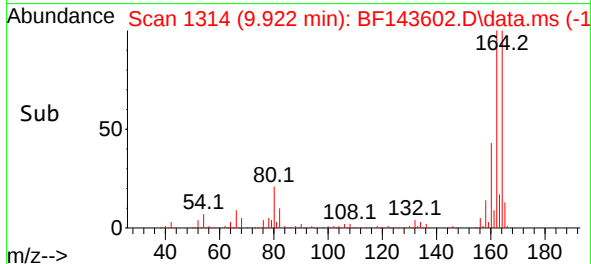
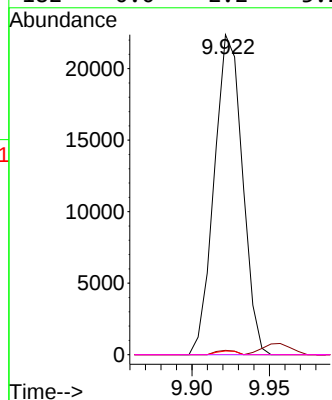
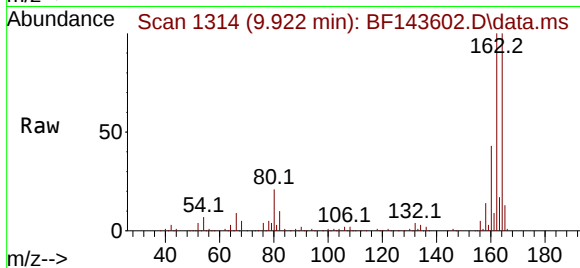




#57
2,4-Dinitrotoluene
Concen: 13.190 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF143602.D
Acq: 27 Aug 2025 12:22

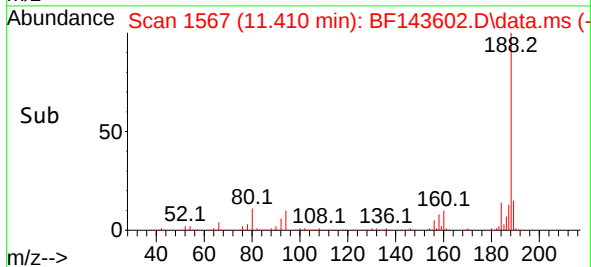
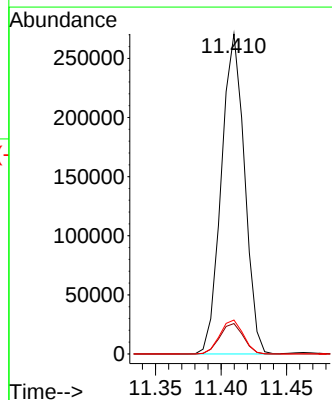
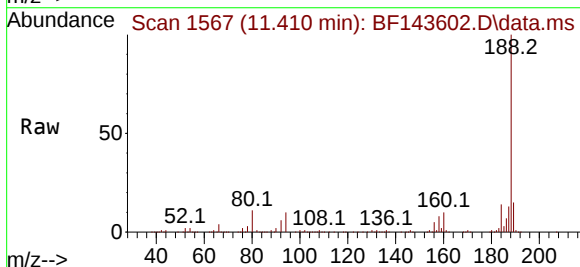
Instrument :
BNA_F
ClientSampleId :
MW-19C-082125

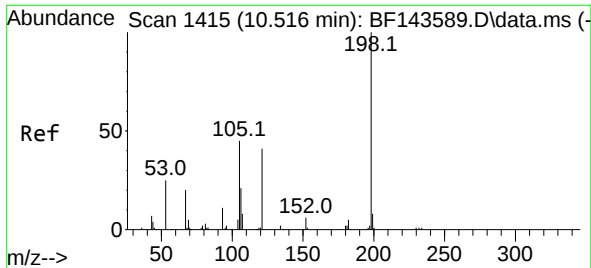
Tgt Ion:165	Resp:	28320
Ion Ratio	Lower	Upper
165	100	
63	1.3	39.5 59.3#
89	1.1	58.1 87.1#
182	0.0	2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143602.D
Acq: 27 Aug 2025 12:22

Tgt Ion:188	Resp:	332669
Ion Ratio	Lower	Upper
188	100	
94	9.5	8.2 12.4
80	10.6	8.9 13.3

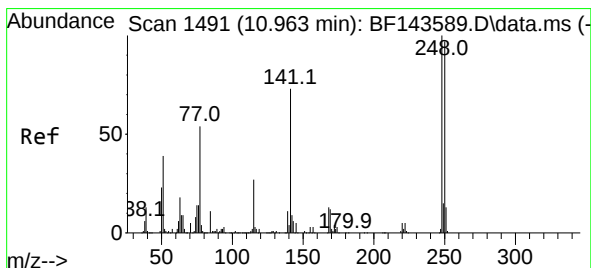
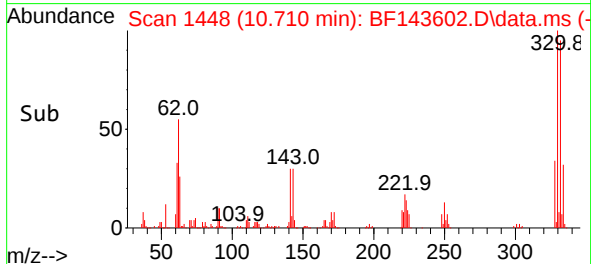
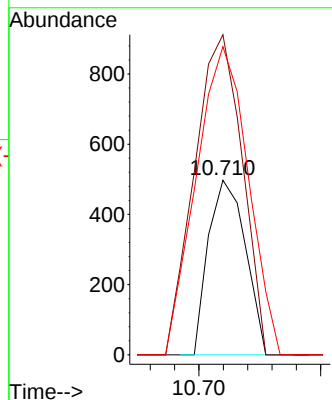
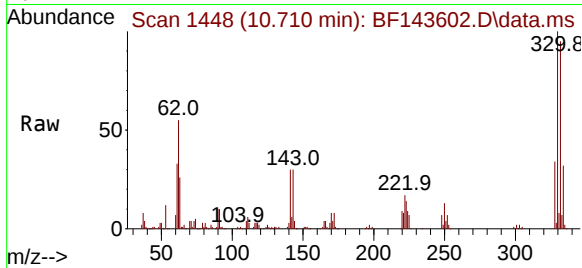




#65
4,6-Dinitro-2-methylphenol
Concen: 8.190 ng
RT: 10.710 min Scan# 1415
Delta R.T. 0.194 min
Lab File: BF143602.D
Acq: 27 Aug 2025 12:22

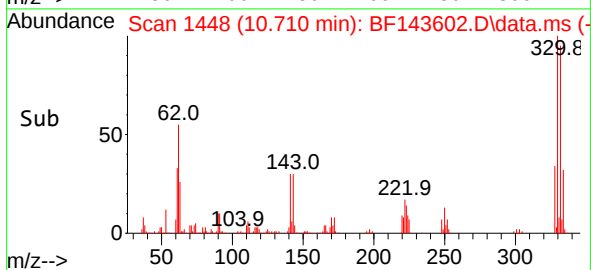
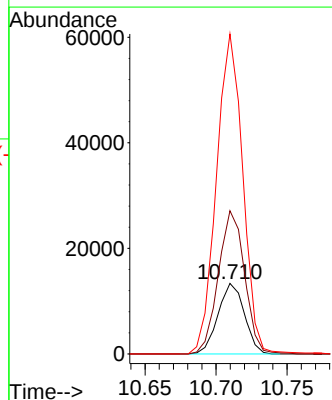
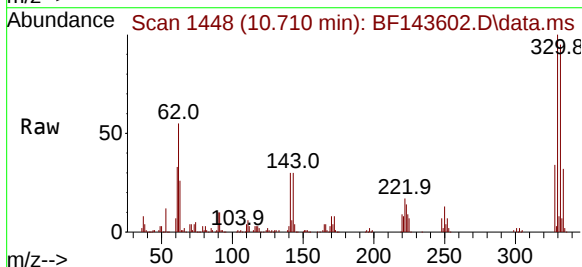
Instrument :
BNA_F
ClientSampleId :
MW-19C-082125

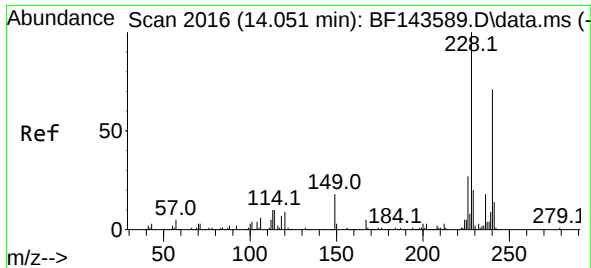
Tgt Ion:198 Resp: 526
Ion Ratio Lower Upper
198 100
51 183.5 41.5 81.5#
105 176.7 28.2 68.2#



#67
4-Bromophenyl-phenylether
Concen: 4.779 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.253 min
Lab File: BF143602.D
Acq: 27 Aug 2025 12:22

Tgt Ion:248 Resp: 17198
Ion Ratio Lower Upper
248 100
250 203.1 77.8 116.6#
141 454.0 58.5 87.7#

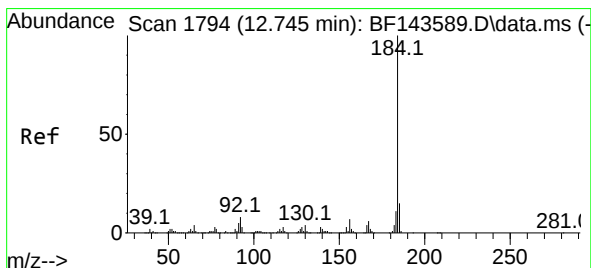
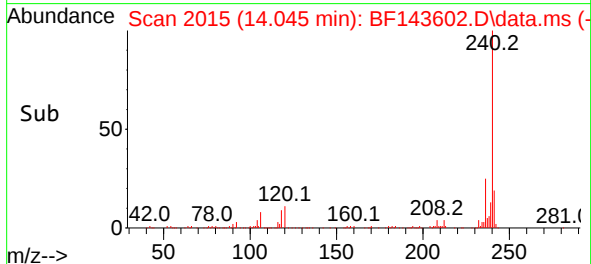
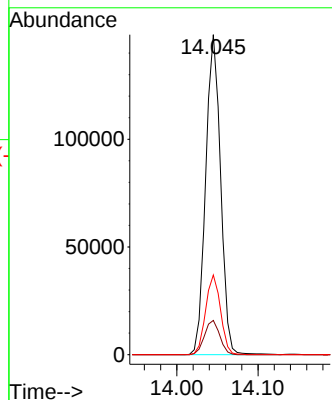
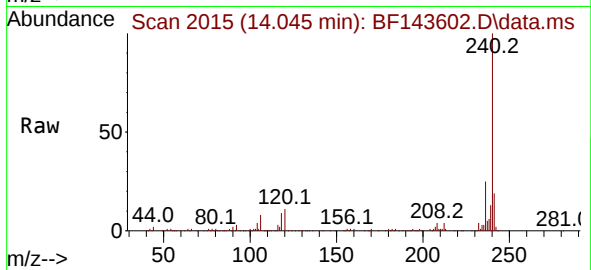




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143602.D
Acq: 27 Aug 2025 12:22

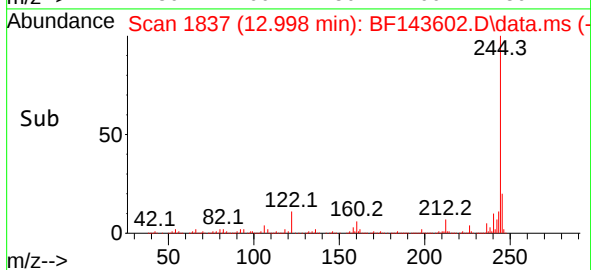
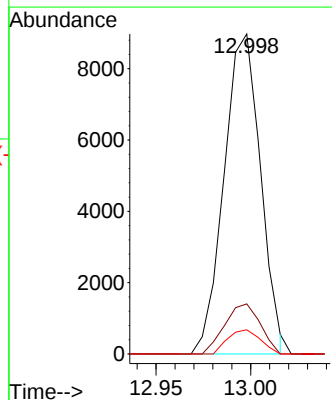
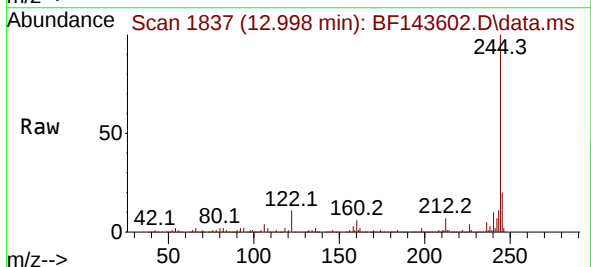
Instrument :
BNA_F
ClientSampleId :
MW-19C-082125

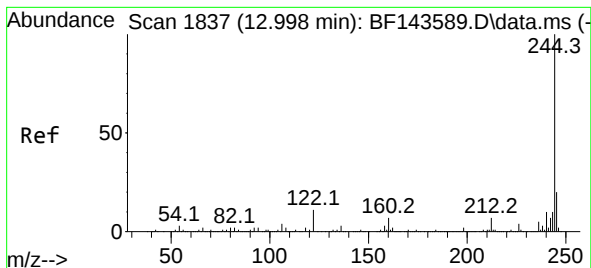
Tgt Ion:240 Resp: 188945
Ion Ratio Lower Upper
240 100
120 10.7 9.6 14.4
236 24.9 20.2 30.2



#77
Benzidine
Concen: 2.768 ng
RT: 12.998 min Scan# 1837
Delta R.T. 0.253 min
Lab File: BF143602.D
Acq: 27 Aug 2025 12:22

Tgt Ion:184 Resp: 12039
Ion Ratio Lower Upper
184 100
185 15.7 11.8 17.6
183 7.5 9.1 13.7#





#79

Terphenyl-d14

Concen: 92.514 ng

RT: 12.998 min Scan# 1837

Delta R.T. 0.000 min

Lab File: BF143602.D

Acq: 27 Aug 2025 12:22

Instrument :

BNA_F

ClientSampleId :

MW-19C-082125

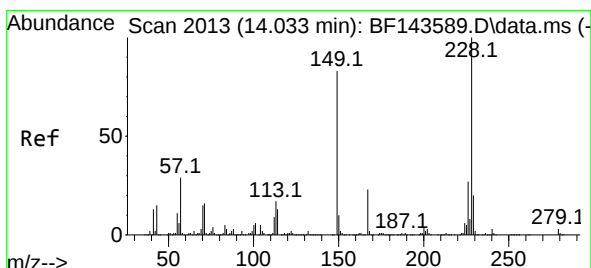
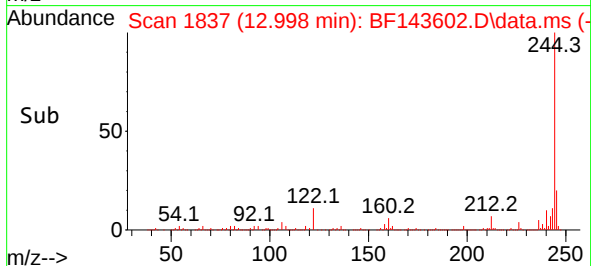
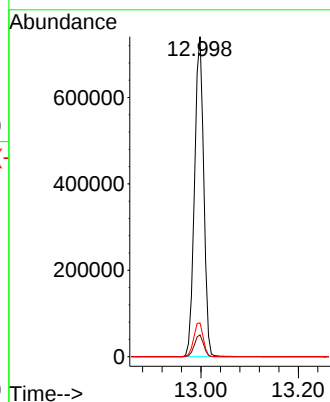
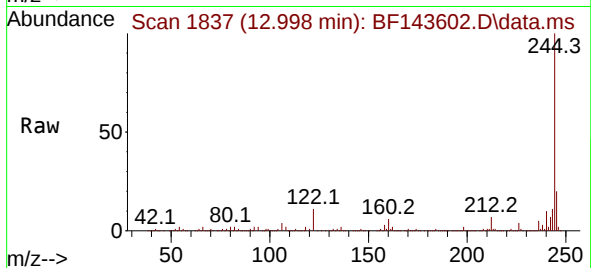
Tgt Ion:244 Resp: 974104

Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

122 10.6 8.8 13.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.323 ng

RT: 14.033 min Scan# 2013

Delta R.T. 0.000 min

Lab File: BF143602.D

Acq: 27 Aug 2025 12:22

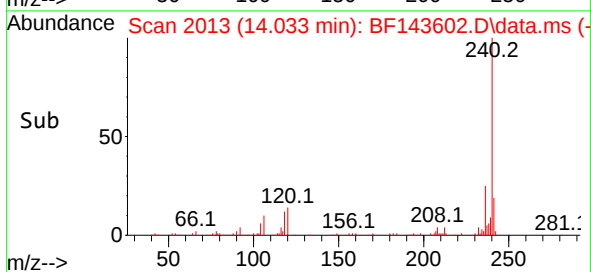
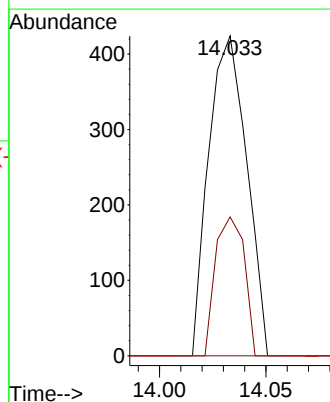
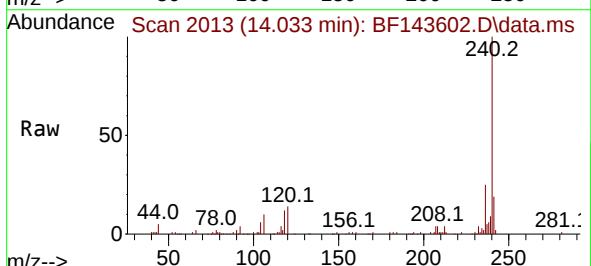
Tgt Ion:149 Resp: 528

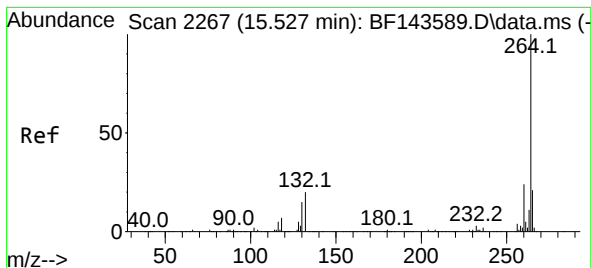
Ion Ratio Lower Upper

149 100

167 43.4 21.8 32.8#

279 0.0 2.9 4.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143602.D

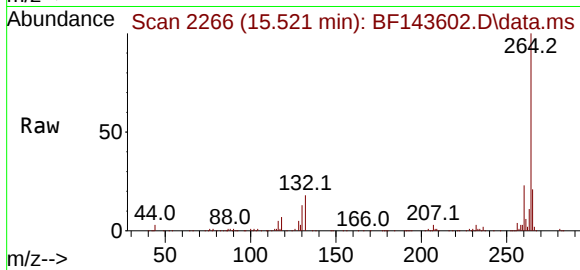
Acq: 27 Aug 2025 12:22

Instrument :

BNA_F

ClientSampleId :

MW-19C-082125



Tgt Ion:264 Resp: 218770

Ion Ratio Lower Upper

264 100

260 23.2 18.9 28.3

265 20.9 17.0 25.4

