

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082725\
 Data File : BF143604.D
 Acq On : 27 Aug 2025 13:21
 Operator : RC/JU
 Sample : Q2936-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-19A-082125

Quant Time: Aug 27 13:47:06 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)

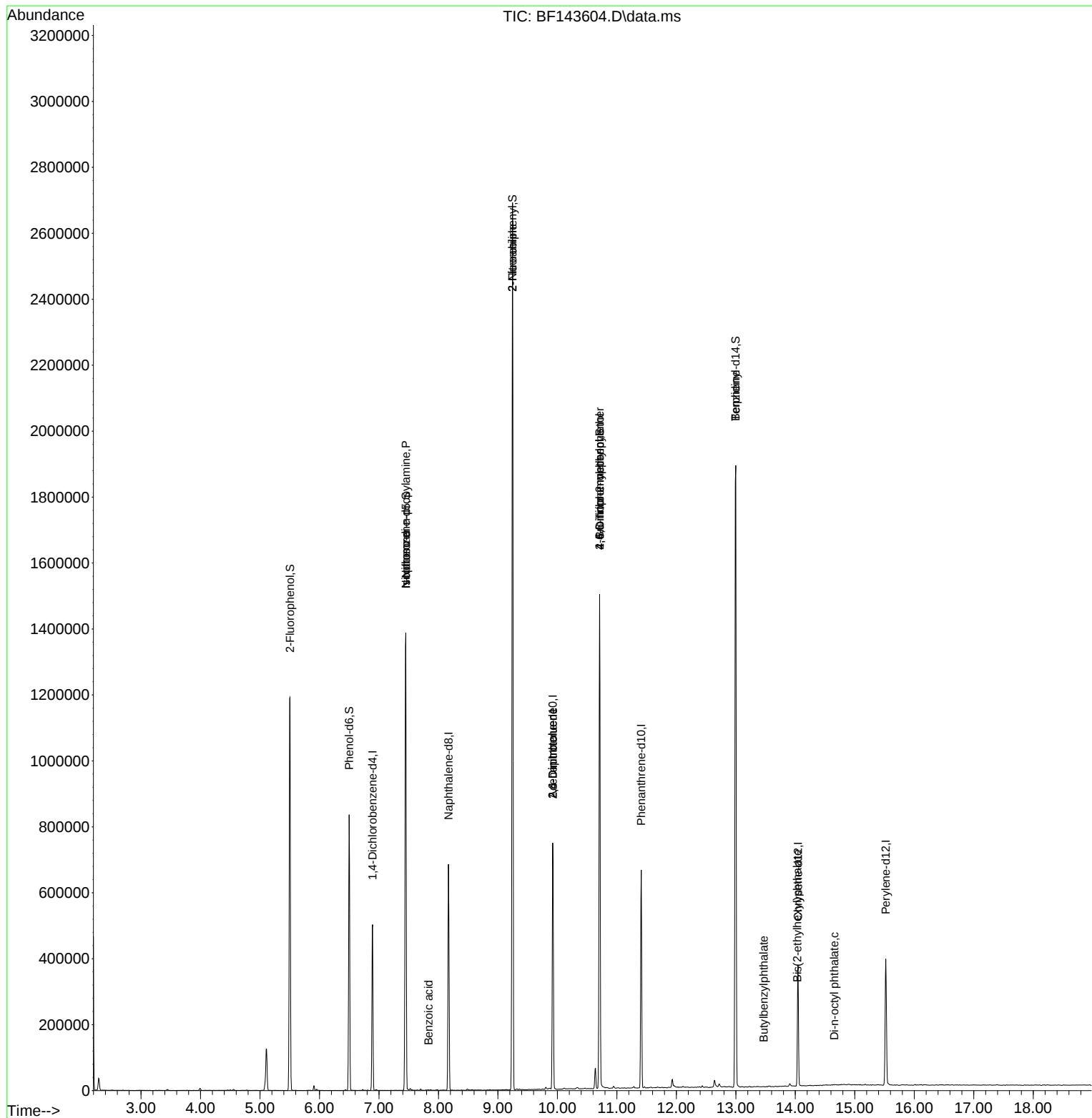
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	107569	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	412157	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	224876	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	331918	20.000	ng	0.00
76) Chrysene-d12	14.045	240	178027	20.000	ng	0.00
86) Perylene-d12	15.521	264	217699	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	443919	70.238	ng	0.00
7) Phenol-d6	6.498	99	366457	46.814	ng	-0.01
23) Nitrobenzene-d5	7.451	82	627582	108.721	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	258967	147.260	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1184617	90.068	ng	0.00
79) Terphenyl-d14	12.998	244	952010	95.961	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	82551	16.646	ng	# 76
25) Isophorone	7.451	82	625045	46.270	ng	# 66
32) Benzoic acid	7.834	122	307	7.418	ng	90
48) 2-Nitroaniline	9.245	65	2067	4.855	ng	# 1
51) 2,6-Dinitrotoluene	9.922	165	28688	15.900	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	28688	13.307	ng	# 22
65) 4,6-Dinitro-2-methylph...	10.710	198	651	8.308	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	17308	4.821	ng	# 1
77) Benzidine	12.998	184	11551	2.818	ng	98
80) Butylbenzylphthalate	13.469	149	116	3.693	ng	# 1
84) Bis(2-ethylhexyl)phtha...	14.033	149	671	3.353	ng	# 60
85) Di-n-octyl phthalate	14.657	149	109	5.876	ng	# 72

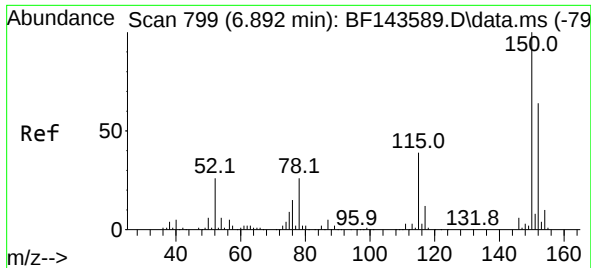
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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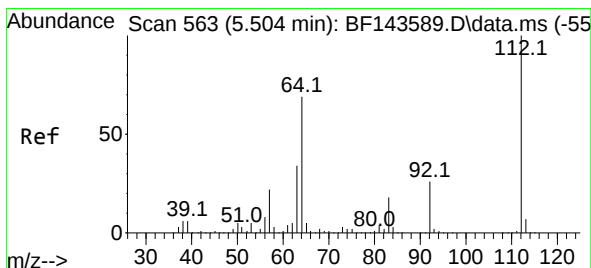
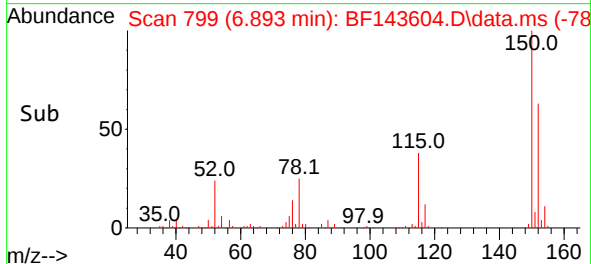
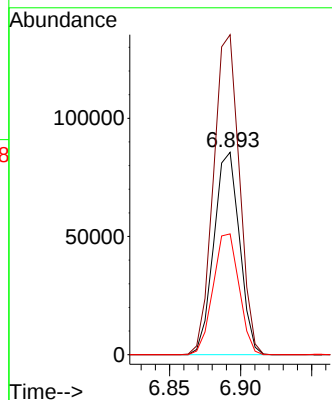
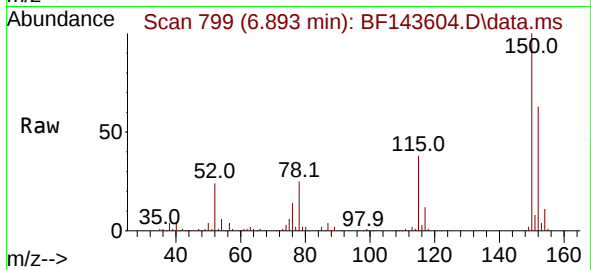




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.893 min Scan# 799
 Delta R.T. 0.001 min
 Lab File: BF143604.D
 Acq: 27 Aug 2025 13:21

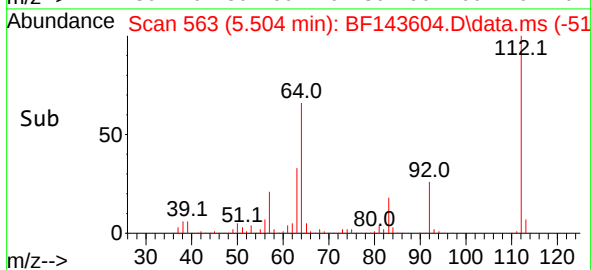
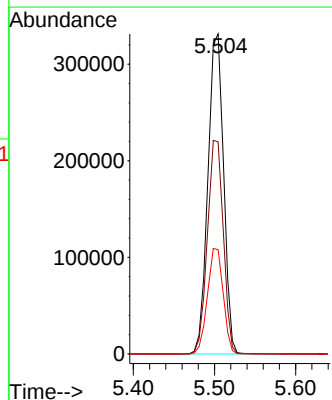
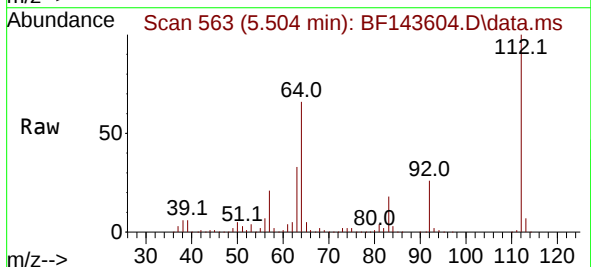
Instrument :
 BNA_F
 ClientSampleId :
 MW-19A-082125

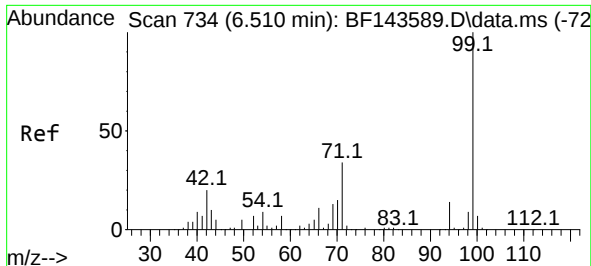
Tgt Ion:152 Resp: 107569
 Ion Ratio Lower Upper
 152 100
 150 158.1 124.9 187.3
 115 59.7 48.0 72.0



#5
 2-Fluorophenol
 Concen: 70.238 ng
 RT: 5.504 min Scan# 563
 Delta R.T. 0.000 min
 Lab File: BF143604.D
 Acq: 27 Aug 2025 13:21

Tgt Ion:112 Resp: 443919
 Ion Ratio Lower Upper
 112 100
 64 66.3 54.8 82.2
 63 32.6 27.6 41.4

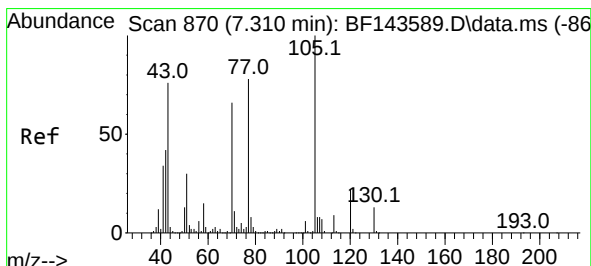
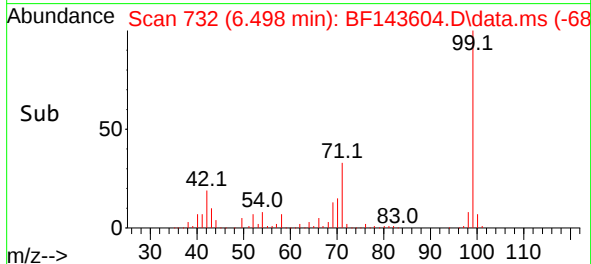
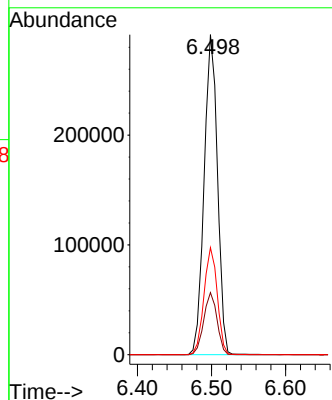
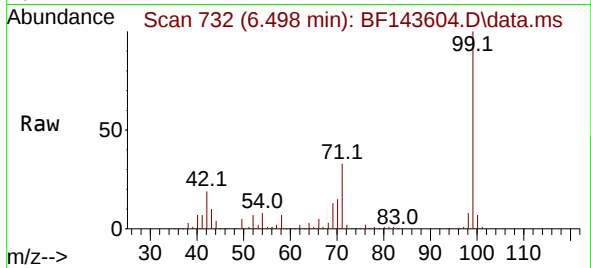




#7
Phenol-d6
Concen: 46.814 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF143604.D
Acq: 27 Aug 2025 13:21

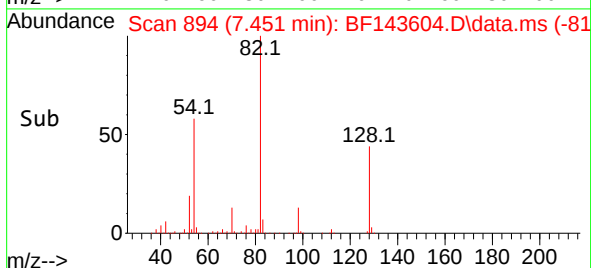
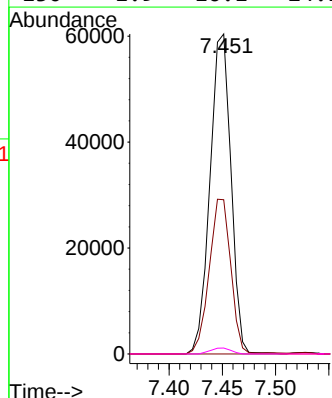
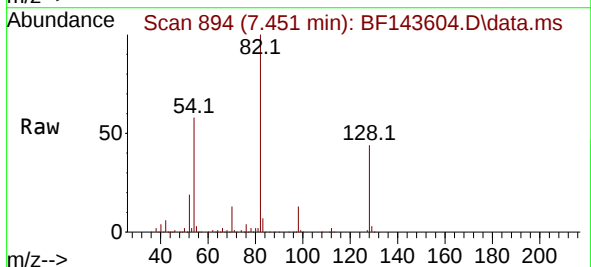
Instrument :
BNA_F
ClientSampleId :
MW-19A-082125

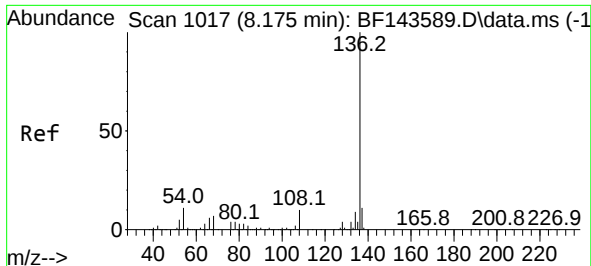
Tgt Ion: 99 Resp: 366457
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 33.5 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 16.646 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.141 min
Lab File: BF143604.D
Acq: 27 Aug 2025 13:21

Tgt Ion: 70 Resp: 82551
Ion Ratio Lower Upper
70 100
42 48.2 50.6 75.8#
101 0.0 7.5 11.3#
130 1.9 16.1 24.1#



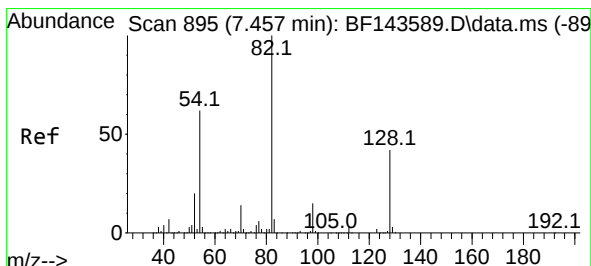
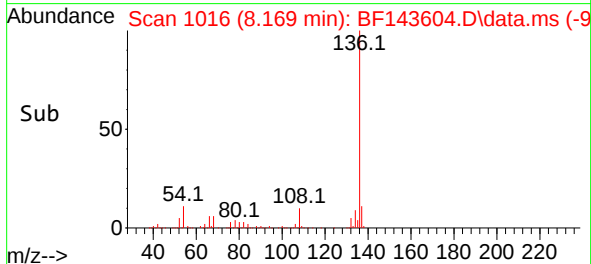
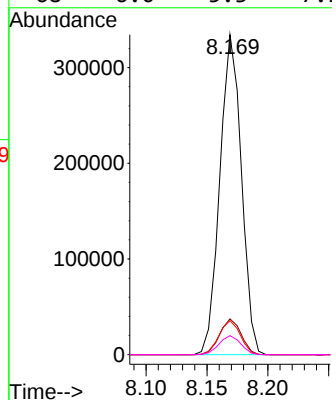
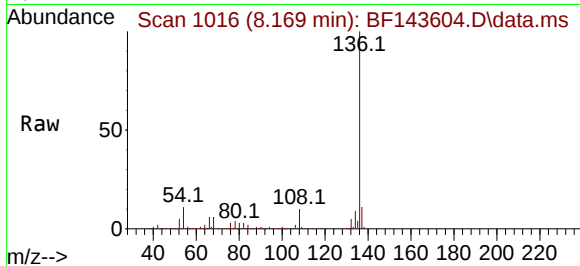


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143604.D
Acq: 27 Aug 2025 13:21

Instrument :
BNA_F
ClientSampleId :
MW-19A-082125

Tgt Ion:136 Resp: 412157

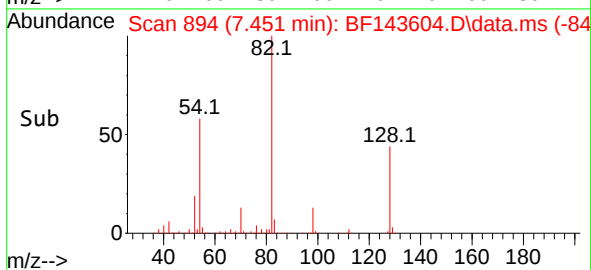
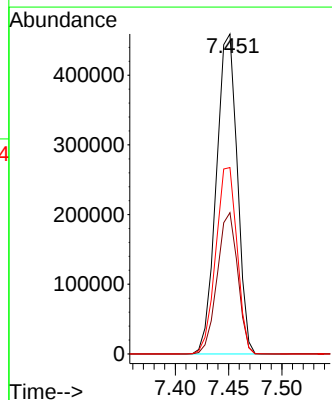
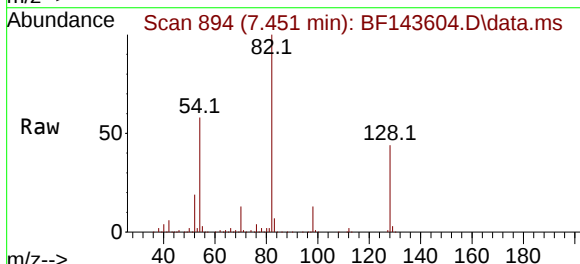
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	10.7	9.0	13.6
68	6.0	5.3	7.9

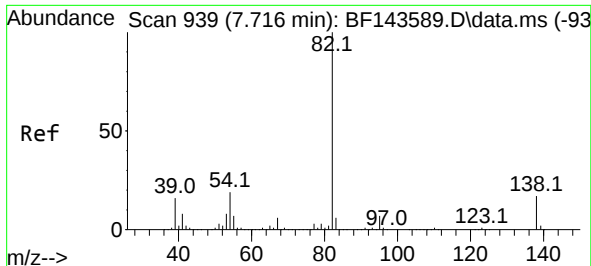


#23
Nitrobenzene-d5
Concen: 108.721 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF143604.D
Acq: 27 Aug 2025 13:21

Tgt Ion: 82 Resp: 627582

Ion	Ratio	Lower	Upper
82	100		
128	44.1	33.4	50.2
54	58.3	49.3	73.9

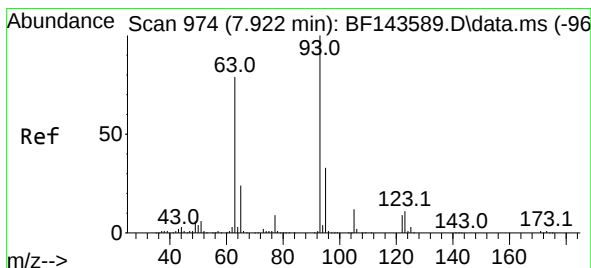
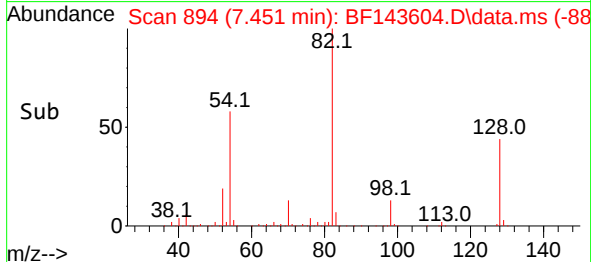
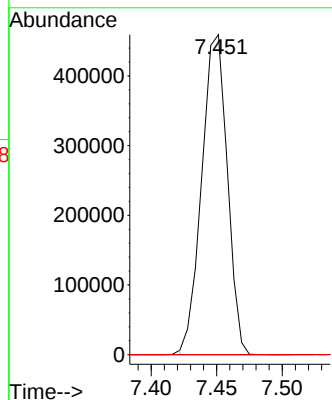
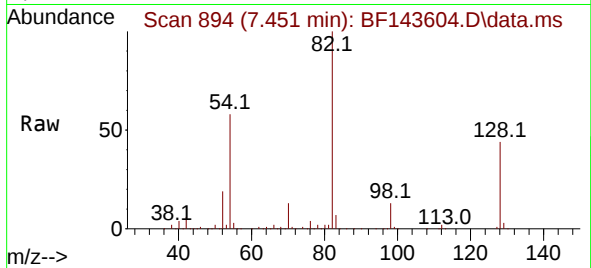




#25
Isophorone
Concen: 46.270 ng
RT: 7.451 min Scan# 89
Delta R.T. -0.264 min
Lab File: BF143604.D
Acq: 27 Aug 2025 13:21

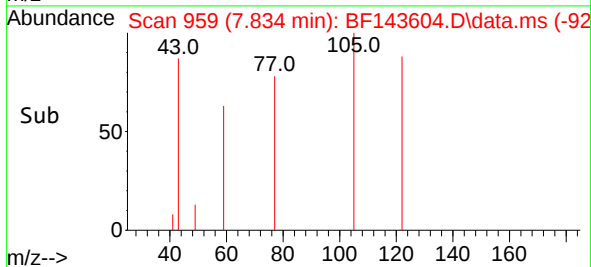
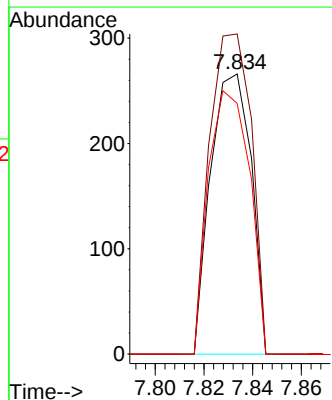
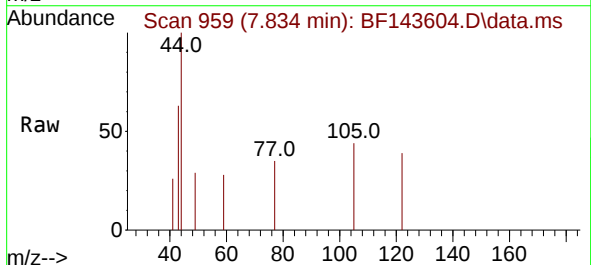
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BNA_F
ClientSampleId :
MW-19A-082125

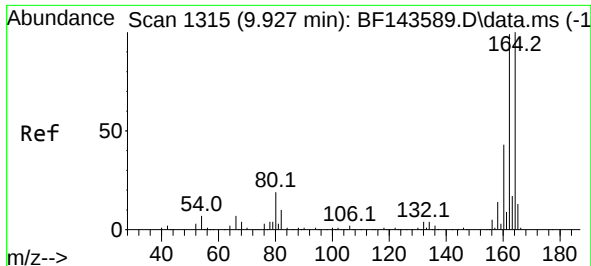
Tgt Ion: 82 Resp: 625045
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#32
Benzoic acid
Concen: 7.418 ng
RT: 7.834 min Scan# 959
Delta R.T. -0.088 min
Lab File: BF143604.D
Acq: 27 Aug 2025 13:21

Tgt Ion: 122 Resp: 307
Ion Ratio Lower Upper
122 100
105 114.3 106.4 146.4
77 89.5 79.3 119.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1

Delta R.T. -0.005 min

Lab File: BF143604.D

Acq: 27 Aug 2025 13:21

Instrument :

BNA_F

ClientSampleId :

MW-19A-082125

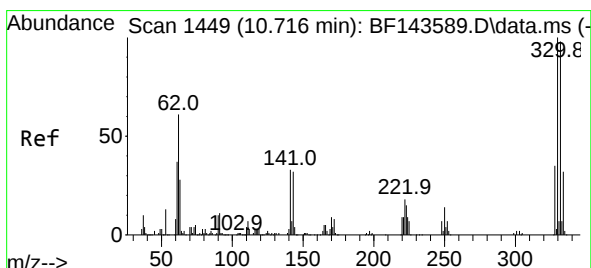
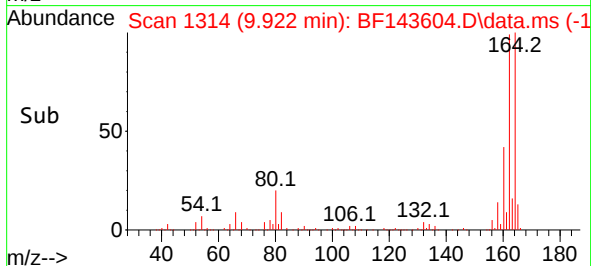
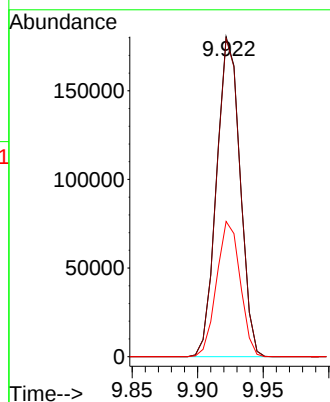
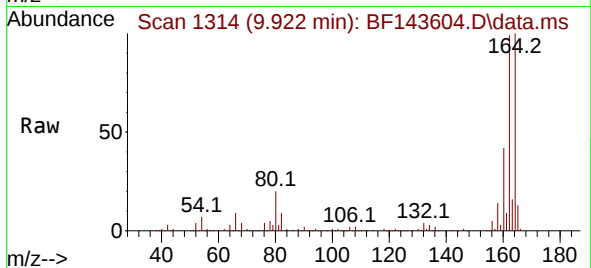
Tgt Ion:164 Resp: 224876

Ion Ratio Lower Upper

164 100

162 99.4 79.5 119.3

160 42.2 34.2 51.4



#42

2,4,6-Tribromophenol

Concen: 147.260 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF143604.D

Acq: 27 Aug 2025 13:21

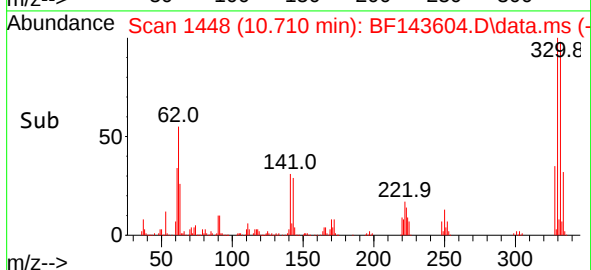
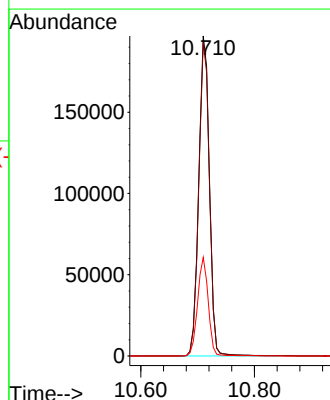
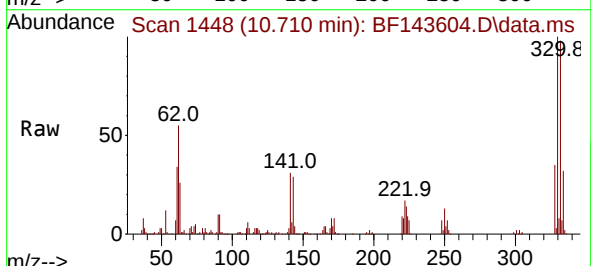
Tgt Ion:330 Resp: 258967

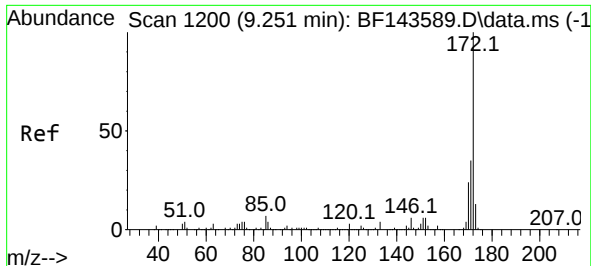
Ion Ratio Lower Upper

330 100

332 97.6 78.2 117.4

141 30.7 25.4 38.0

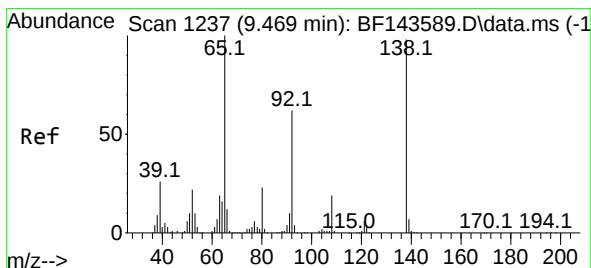
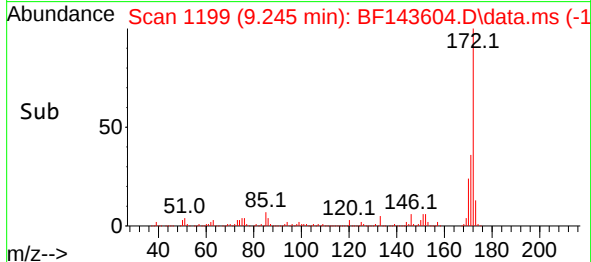
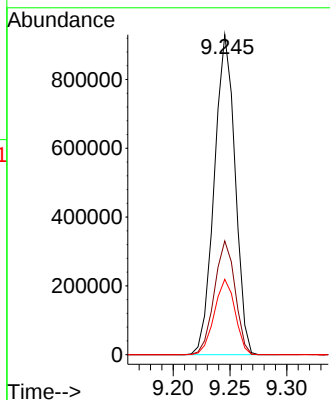
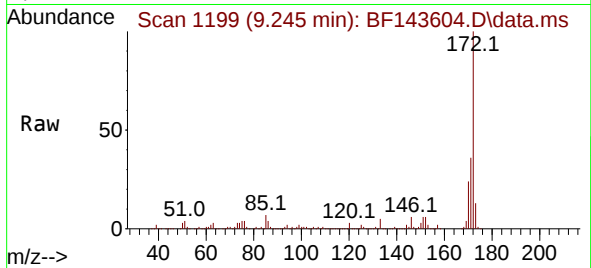




#45
2-Fluorobiphenyl
Concen: 90.068 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF143604.D
Acq: 27 Aug 2025 13:21

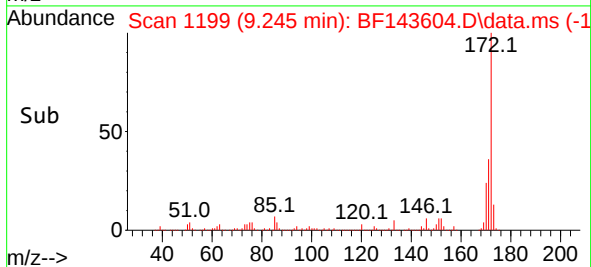
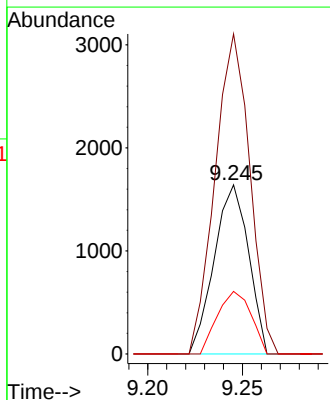
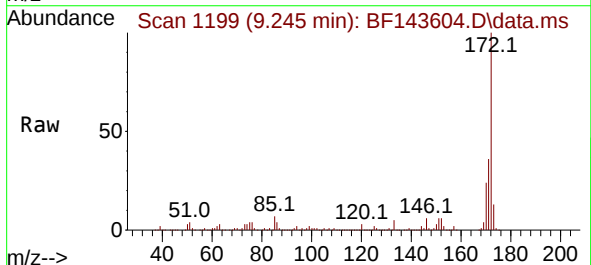
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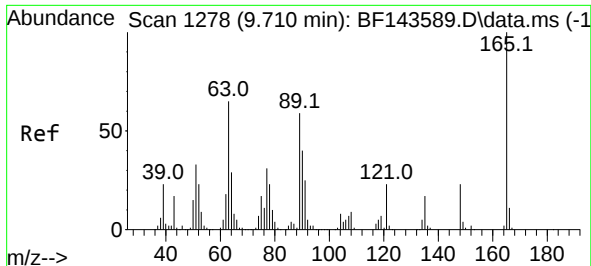
Tgt Ion:172 Resp: 1184617
Ion Ratio Lower Upper
172 100
171 35.6 28.3 42.5
170 23.5 19.0 28.4



#48
2-Nitroaniline
Concen: 4.855 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.224 min
Lab File: BF143604.D
Acq: 27 Aug 2025 13:21

Tgt Ion: 65 Resp: 2067
Ion Ratio Lower Upper
65 100
92 189.2 49.6 74.4#
138 37.0 78.6 118.0#

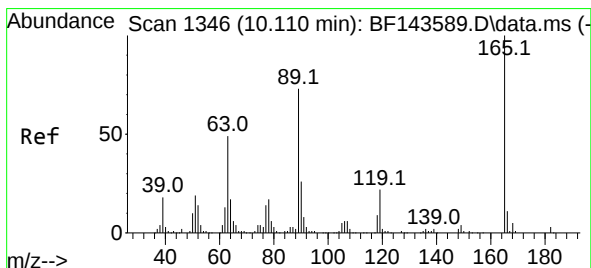
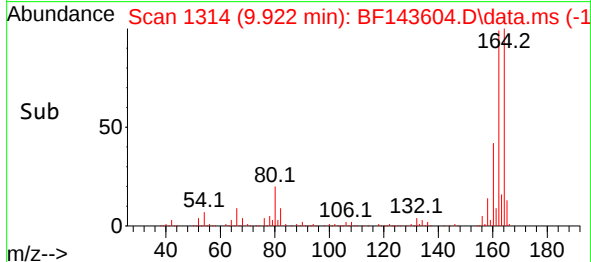
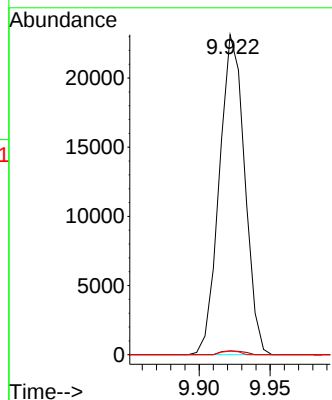
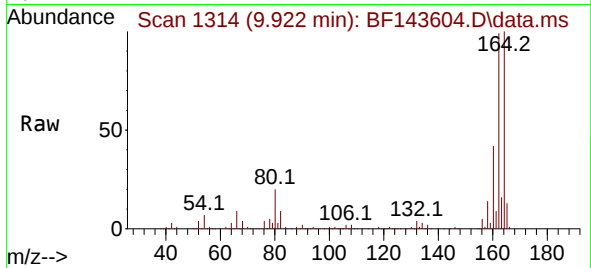




#51
2,6-Dinitrotoluene
Concen: 15.900 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF143604.D
Acq: 27 Aug 2025 13:21

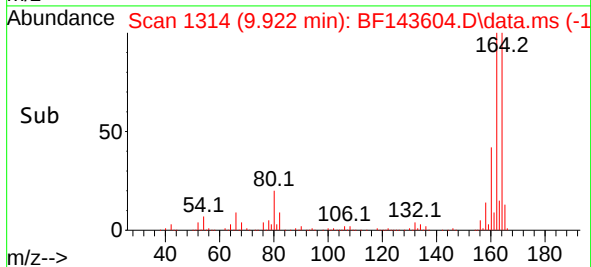
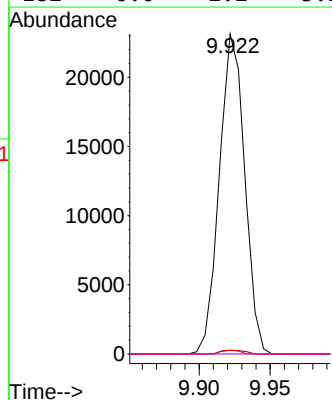
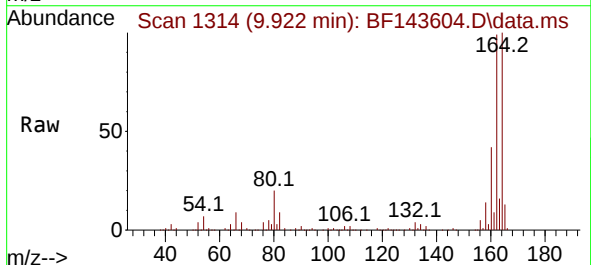
Instrument :
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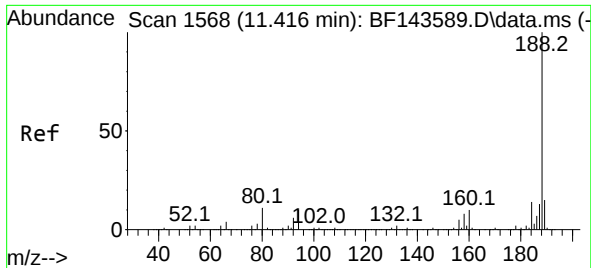
Tgt Ion:165 Resp: 28688
Ion Ratio Lower Upper
165 100
63 1.2 51.8 77.6#
89 1.1 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 13.307 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.188 min
Lab File: BF143604.D
Acq: 27 Aug 2025 13:21

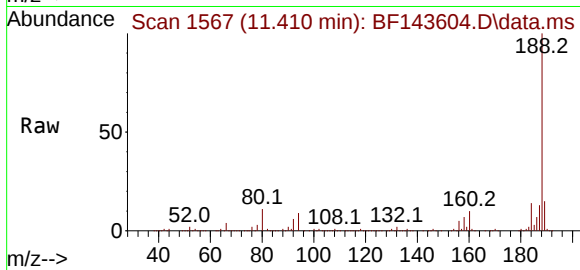
Tgt Ion:165 Resp: 28688
Ion Ratio Lower Upper
165 100
63 1.2 39.5 59.3#
89 1.1 58.1 87.1#
182 0.0 2.2 3.2#



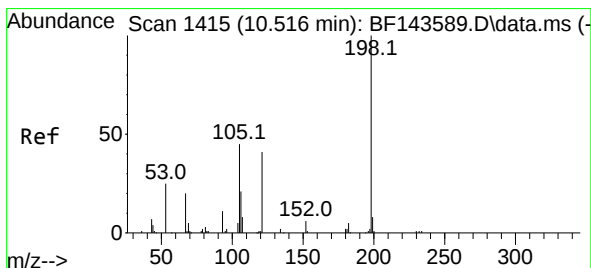
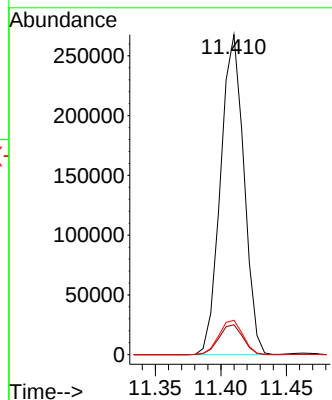
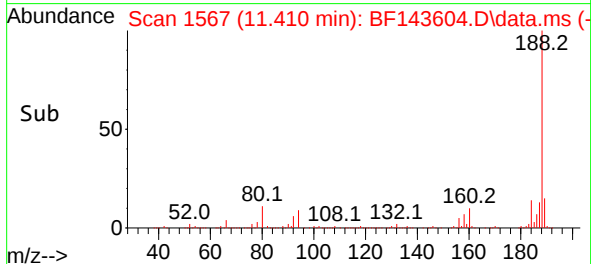


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143604.D
Acq: 27 Aug 2025 13:21

Instrument :
BNA_F
ClientSampleId :
MW-19A-082125

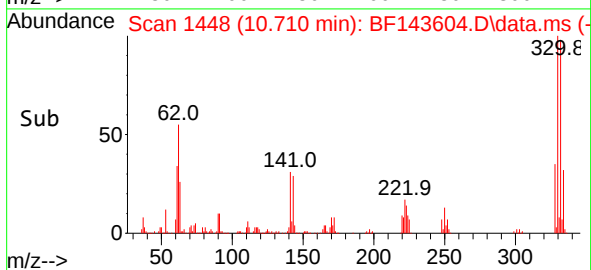
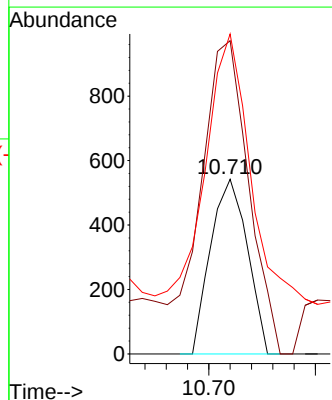
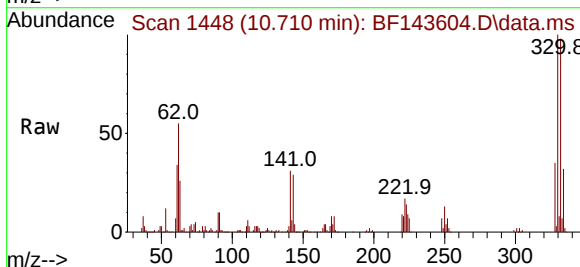


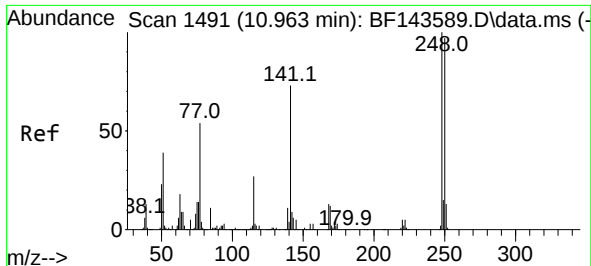
Tgt Ion:188 Resp: 331918
Ion Ratio Lower Upper
188 100
94 9.4 8.2 12.4
80 10.7 8.9 13.3



#65
4,6-Dinitro-2-methylphenol
Concen: 8.308 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.194 min
Lab File: BF143604.D
Acq: 27 Aug 2025 13:21

Tgt Ion:198 Resp: 651
Ion Ratio Lower Upper
198 100
51 179.3 41.5 81.5#
105 183.2 28.2 68.2#

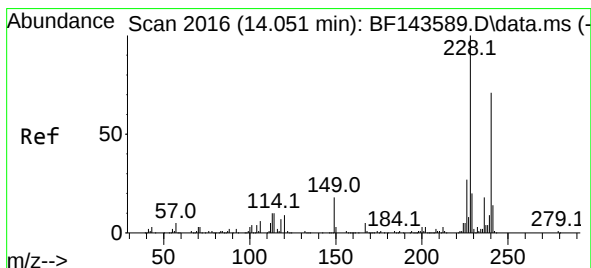
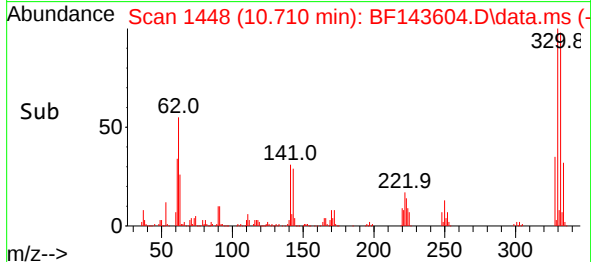
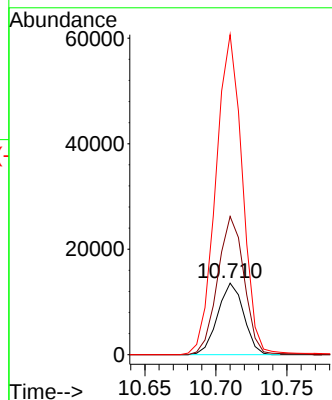
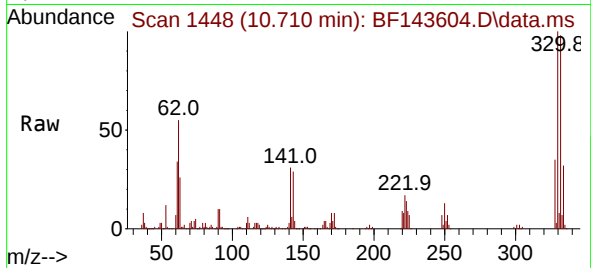




#67
4-Bromophenyl-phenylether
Concen: 4.821 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF143604.D
Acq: 27 Aug 2025 13:21

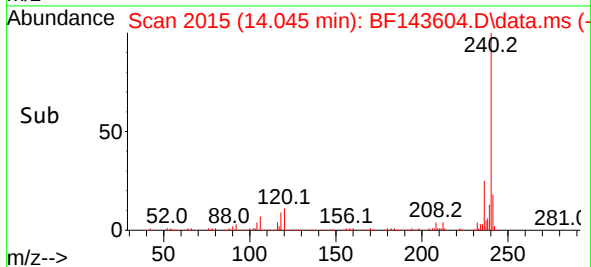
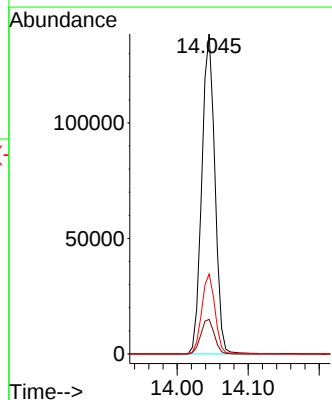
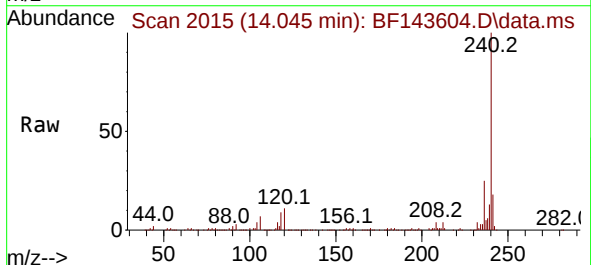
Instrument :
BNA_F
ClientSampleId :
MW-19A-082125

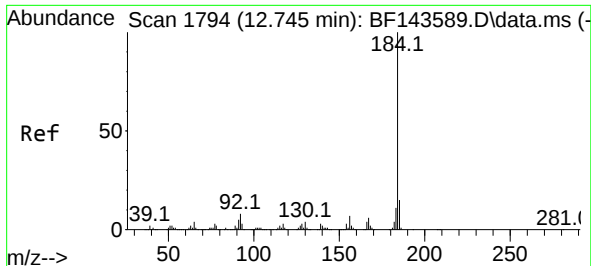
Tgt Ion:248 Resp: 17308
Ion Ratio Lower Upper
248 100
250 193.1 77.8 116.6#
141 446.9 58.5 87.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143604.D
Acq: 27 Aug 2025 13:21

Tgt Ion:240 Resp: 178027
Ion Ratio Lower Upper
240 100
120 10.8 9.6 14.4
236 25.0 20.2 30.2

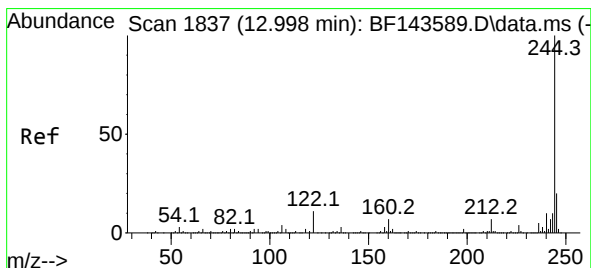
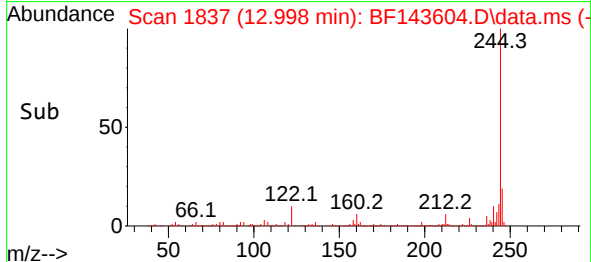
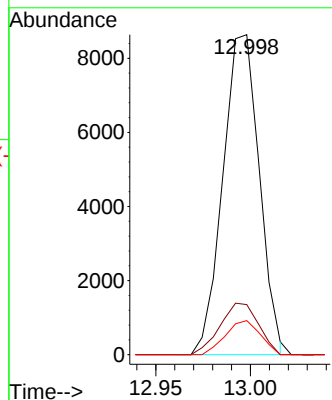
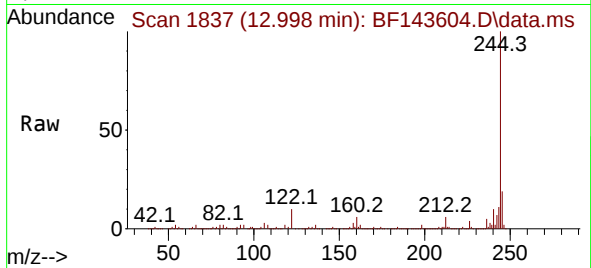




#77
Benzidine
Concen: 2.818 ng
RT: 12.998 min Scan# 1837
Delta R.T. 0.253 min
Lab File: BF143604.D
Acq: 27 Aug 2025 13:21

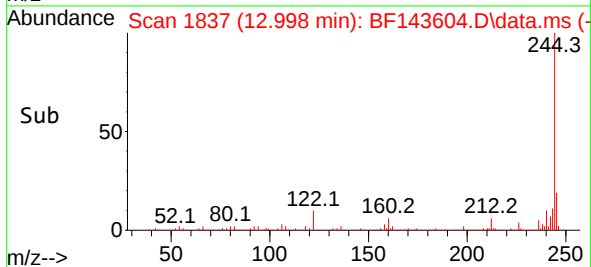
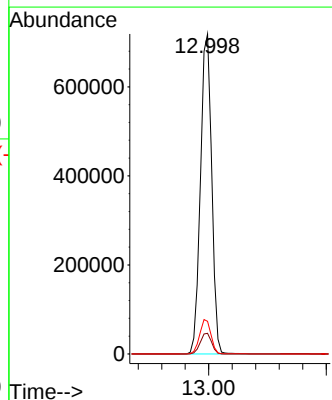
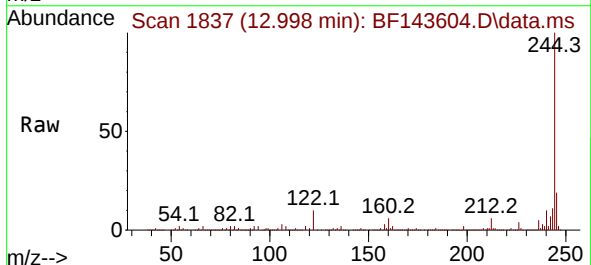
Instrument :
BNA_F
ClientSampleId :
MW-19A-082125

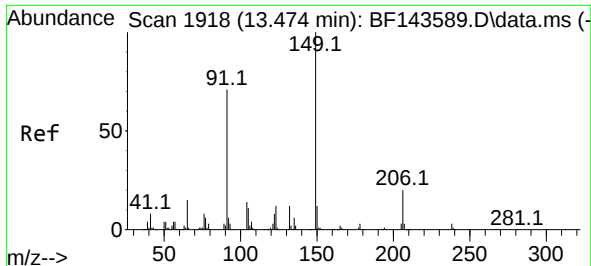
Tgt Ion:184 Resp: 11551
Ion Ratio Lower Upper
184 100
185 15.7 11.8 17.6
183 10.7 9.1 13.7



#79
Terphenyl-d14
Concen: 95.961 ng
RT: 12.998 min Scan# 1837
Delta R.T. 0.000 min
Lab File: BF143604.D
Acq: 27 Aug 2025 13:21

Tgt Ion:244 Resp: 952010
Ion Ratio Lower Upper
244 100
212 6.4 5.5 8.3
122 10.2 8.8 13.2

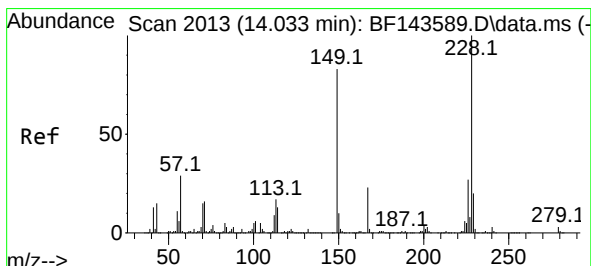
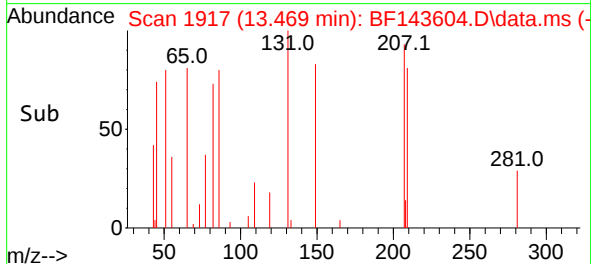
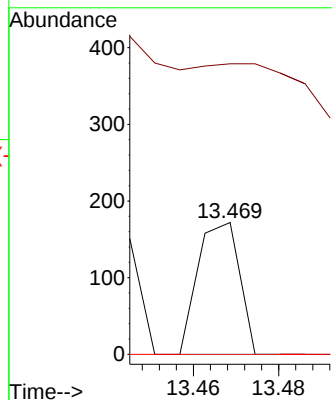
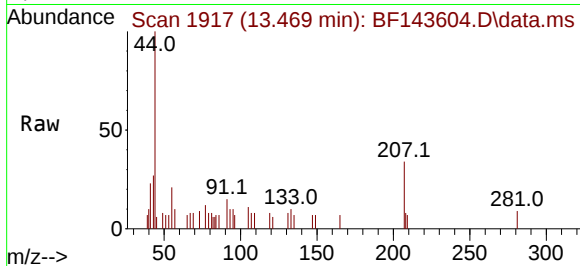




#80
Butylbenzylphthalate
Concen: 3.693 ng
RT: 13.469 min Scan# 1918
Delta R.T. -0.005 min
Lab File: BF143604.D
Acq: 27 Aug 2025 13:21

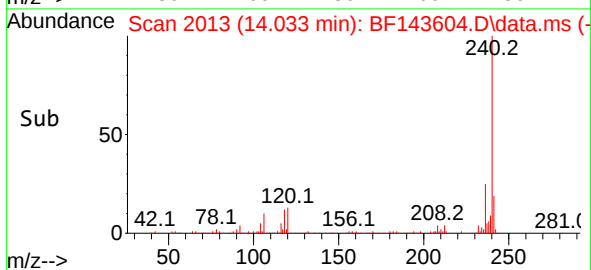
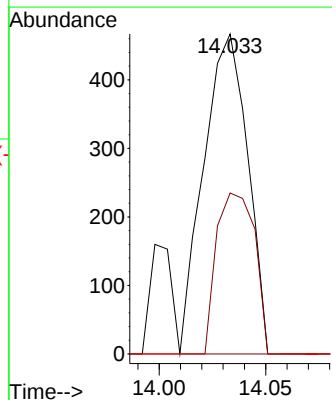
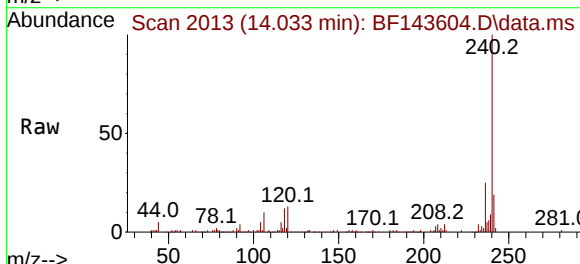
Instrument :
BNA_F
ClientSampleId :
MW-19A-082125

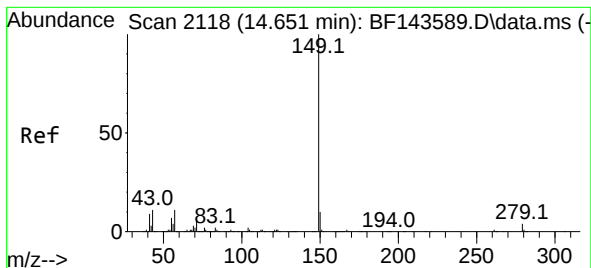
Tgt Ion	Ratio	Lower	Upper
149	100		
91	220.3	56.8	85.2#
206	0.0	16.2	24.2#



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.353 ng
RT: 14.033 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BF143604.D
Acq: 27 Aug 2025 13:21

Tgt Ion	Ratio	Lower	Upper
149	100		
167	50.3	21.8	32.8#
279	0.0	2.9	4.3#





#85

Di-n-octyl phthalate

Concen: 5.876 ng

RT: 14.657 min Scan# 2118

Delta R.T. 0.006 min

Lab File: BF143604.D

Acq: 27 Aug 2025 13:21

Instrument :

BNA_F

ClientSampleId :

MW-19A-082125

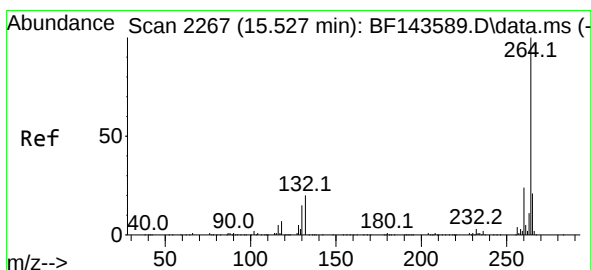
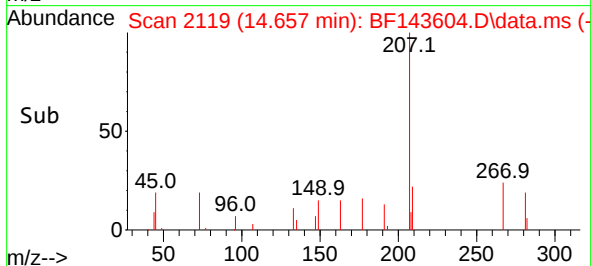
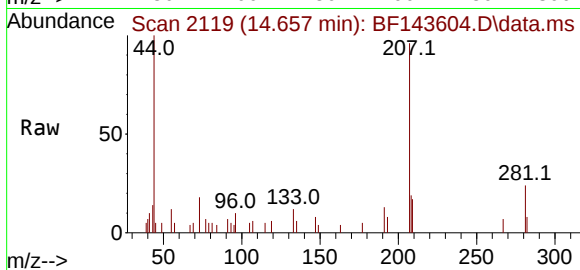
Tgt Ion:149 Resp: 109

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

43 0.0 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: BF143604.D

Acq: 27 Aug 2025 13:21

Tgt Ion:264 Resp: 217699

Ion Ratio Lower Upper

264 100

260 23.3 18.9 28.3

265 21.3 17.0 25.4

