

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082725\
 Data File : BF143597.D
 Acq On : 27 Aug 2025 09:45
 Operator : RC/JU
 Sample : PB169400BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169400BL

Quant Time: Aug 27 11:28:14 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)

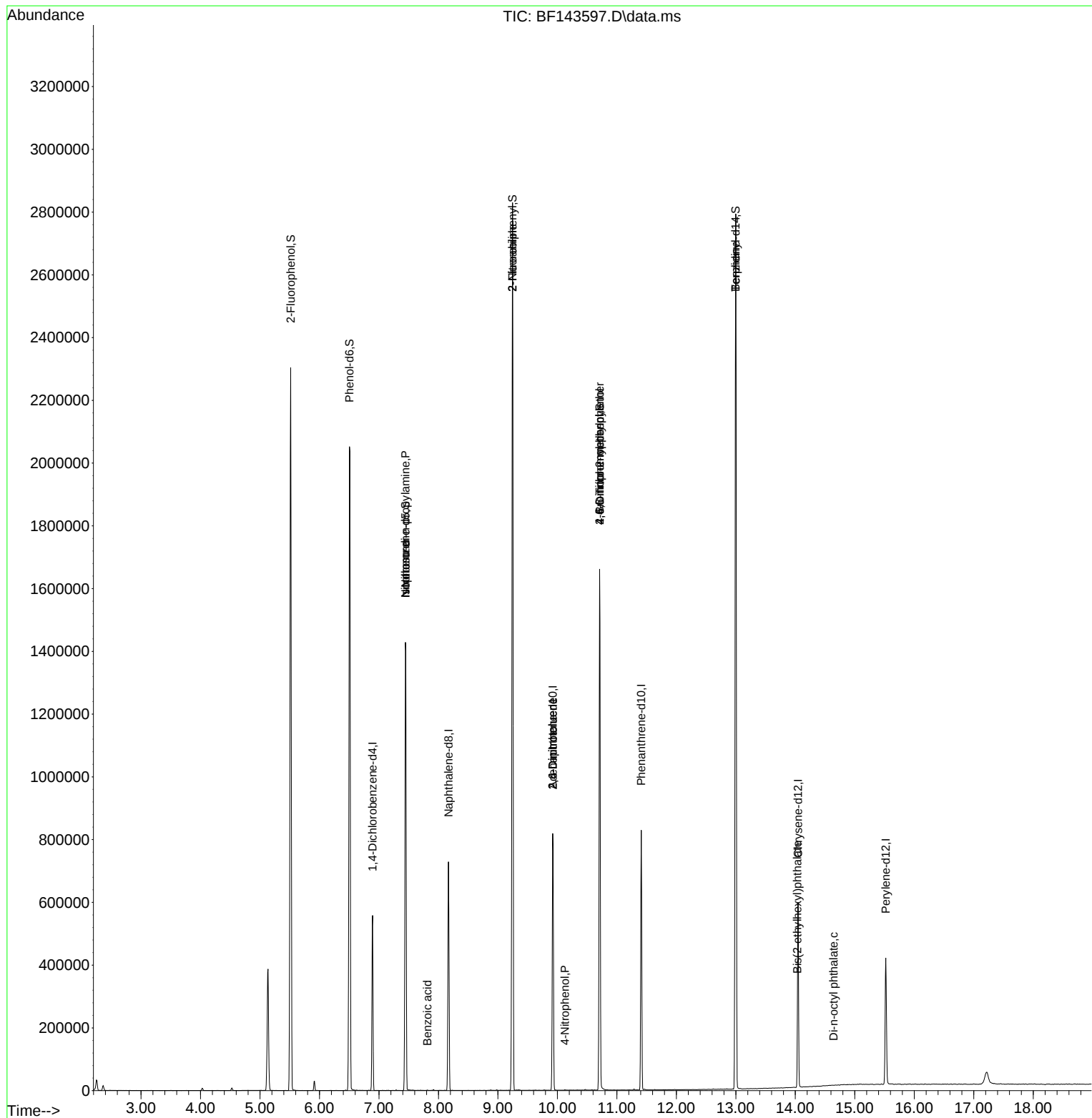
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	119619	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	458840	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	254592	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	415870	20.000	ng	0.00
76) Chrysene-d12	14.045	240	277397	20.000	ng	0.00
86) Perylene-d12	15.521	264	230677	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	887518	126.279	ng	0.01
7) Phenol-d6	6.504	99	1083719	124.495	ng	0.00
23) Nitrobenzene-d5	7.446	82	670454	104.331	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	295191	148.266	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1341429	90.086	ng	0.00
79) Terphenyl-d14	12.998	244	1389942	89.915	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.446	70	89362	16.205	ng	# 78
25) Isophorone	7.446	82	665712	44.267	ng	# 66
32) Benzoic acid	7.816	122	184	7.371	ng	# 1
48) 2-Nitroaniline	9.245	65	2296	4.844	ng	# 1
51) 2,6-Dinitrotoluene	9.922	165	33060	16.099	ng	# 21
56) 4-Nitrophenol	10.128	139	428	5.435	ng	# 5
57) 2,4-Dinitrotoluene	9.922	165	33060	13.458	ng	# 22
65) 4,6-Dinitro-2-methylph...	10.710	198	615	8.158	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	19479	4.330	ng	# 1
77) Benzidine	12.998	184	16079	2.518	ng	# 94
84) Bis(2-ethylhexyl)phtha...	14.033	149	113	3.250	ng	# 52
85) Di-n-octyl phthalate	14.645	149	195	5.878	ng	# 72

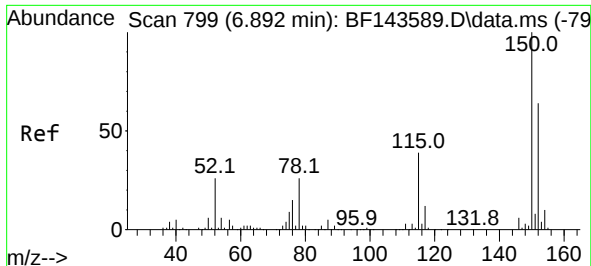
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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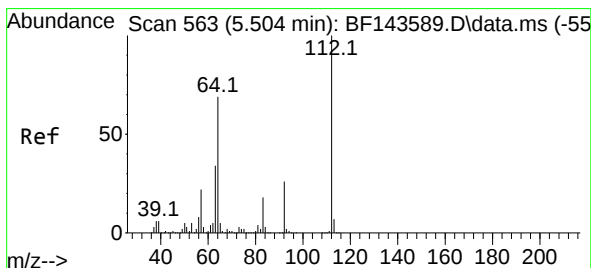
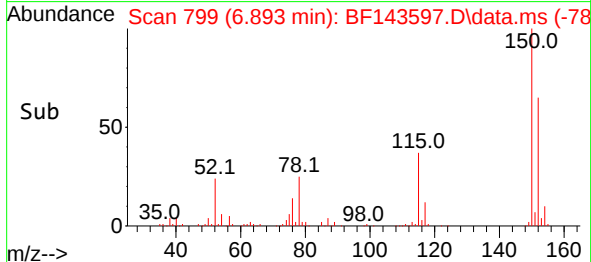
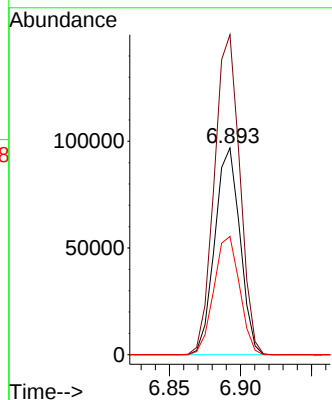
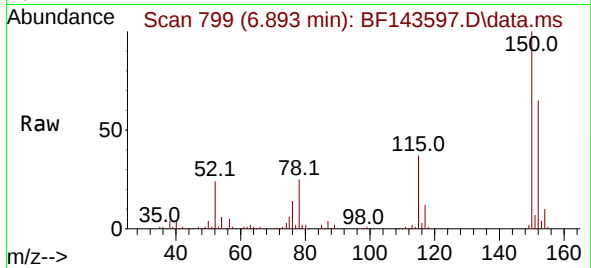




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.893 min Scan# 799
 Delta R.T. 0.001 min
 Lab File: BF143597.D
 Acq: 27 Aug 2025 09:45

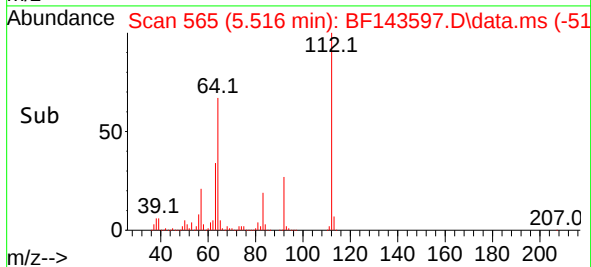
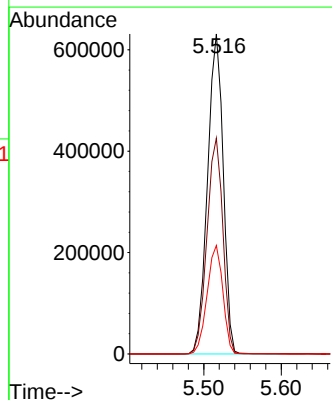
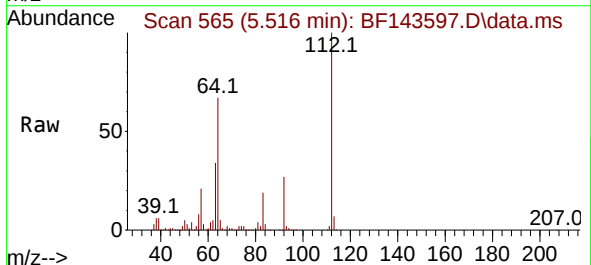
Instrument :
 BNA_F
 ClientSampleId :
 PB169400BL

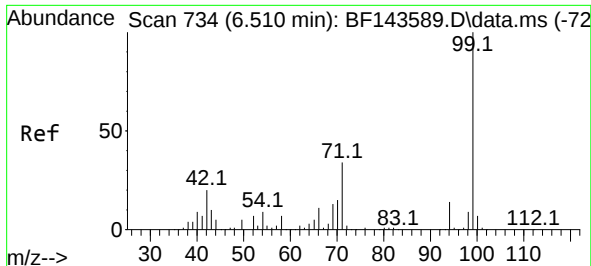
Tgt Ion:152 Resp: 119619
 Ion Ratio Lower Upper
 152 100
 150 154.8 124.9 187.3
 115 57.3 48.0 72.0



#5
 2-Fluorophenol
 Concen: 126.279 ng
 RT: 5.516 min Scan# 565
 Delta R.T. 0.012 min
 Lab File: BF143597.D
 Acq: 27 Aug 2025 09:45

Tgt Ion:112 Resp: 887518
 Ion Ratio Lower Upper
 112 100
 64 67.5 54.8 82.2
 63 33.9 27.6 41.4

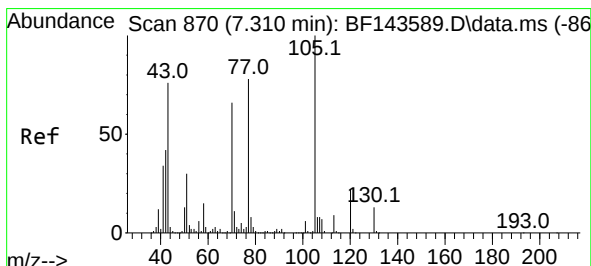
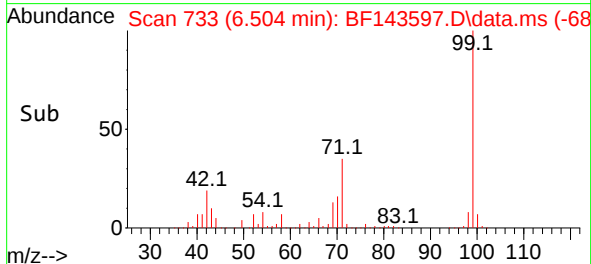
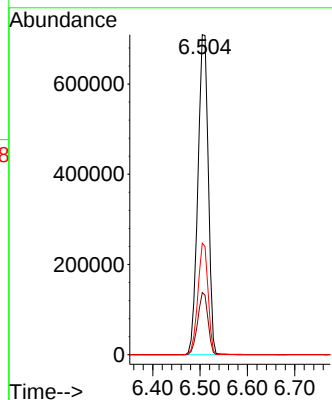
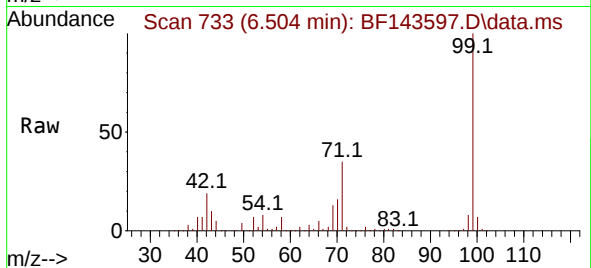




#7
Phenol-d6
Concen: 124.495 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143597.D
Acq: 27 Aug 2025 09:45

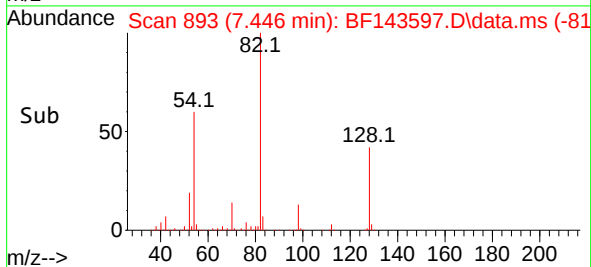
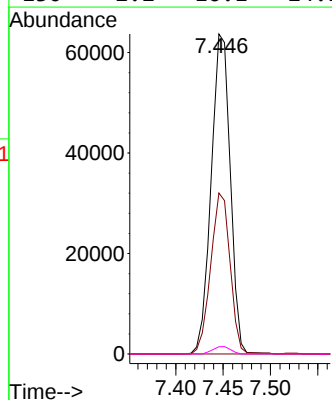
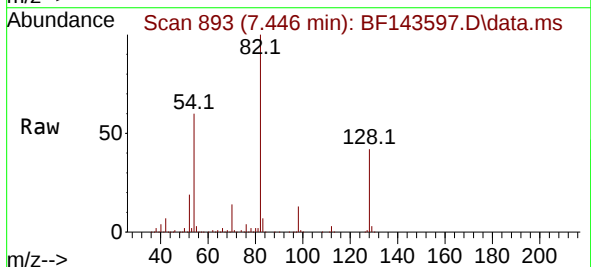
Instrument :
BNA_F
ClientSampleId :
PB169400BL

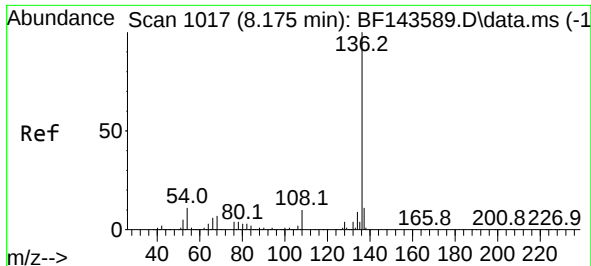
Tgt Ion: 99 Resp: 1083719
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 34.8 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 16.205 ng
RT: 7.446 min Scan# 893
Delta R.T. 0.136 min
Lab File: BF143597.D
Acq: 27 Aug 2025 09:45

Tgt Ion: 70 Resp: 89362
Ion Ratio Lower Upper
70 100
42 50.3 50.6 75.8#
101 0.0 7.5 11.3#
130 2.2 16.1 24.1#



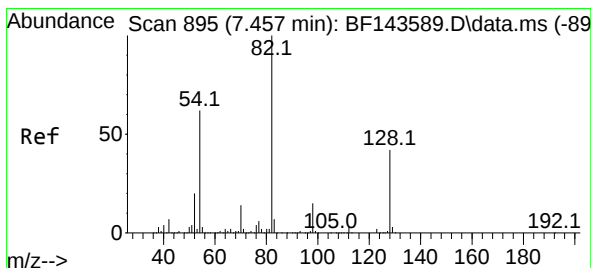
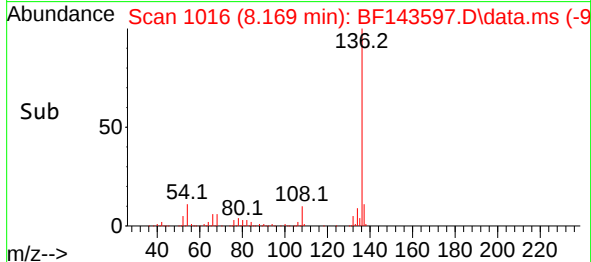
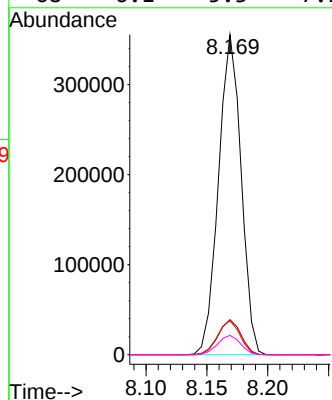
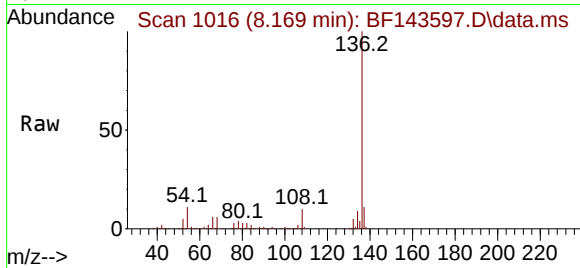


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143597.D
Acq: 27 Aug 2025 09:45

Instrument :
BNA_F
ClientSampleId :
PB169400BL

Tgt Ion:136 Resp: 458840

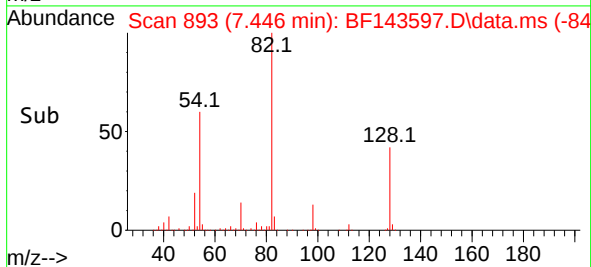
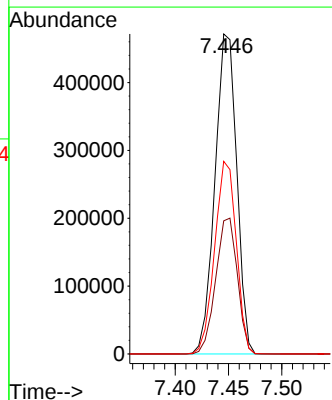
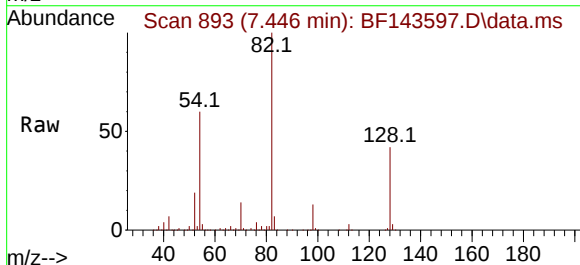
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	10.6	9.0	13.6
68	6.1	5.3	7.9

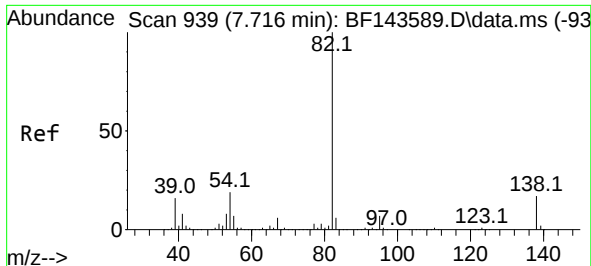


#23
Nitrobenzene-d5
Concen: 104.331 ng
RT: 7.446 min Scan# 893
Delta R.T. -0.011 min
Lab File: BF143597.D
Acq: 27 Aug 2025 09:45

Tgt Ion: 82 Resp: 670454

Ion	Ratio	Lower	Upper
82	100		
128	41.6	33.4	50.2
54	60.2	49.3	73.9

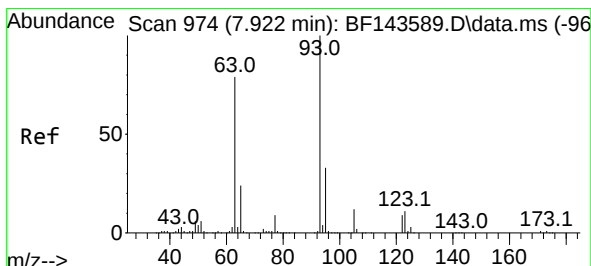
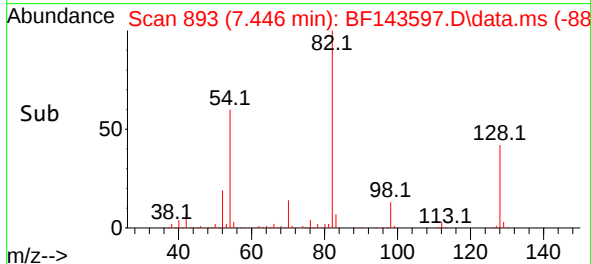
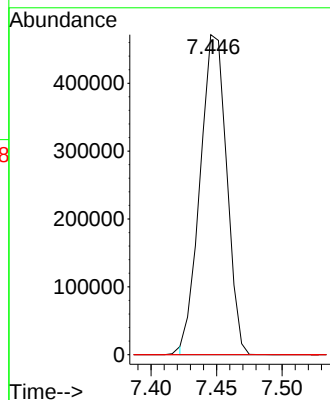
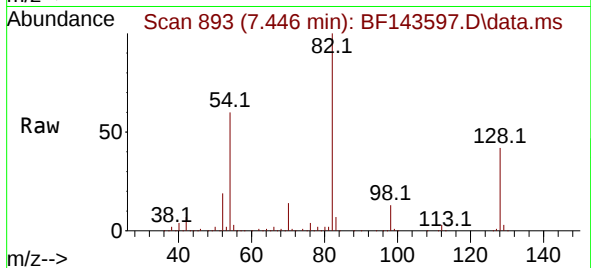




#25
Isophorone
Concen: 44.267 ng
RT: 7.446 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF143597.D
Acq: 27 Aug 2025 09:45

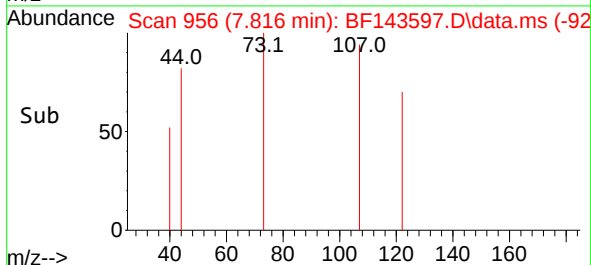
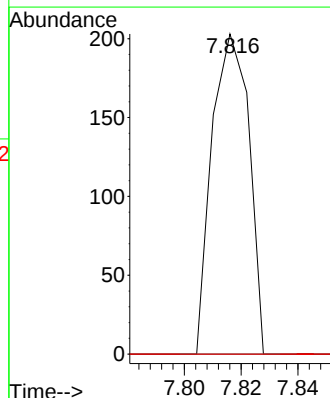
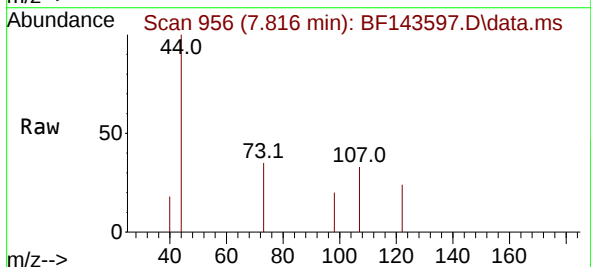
Instrument :
BNA_F
ClientSampleId :
PB169400BL

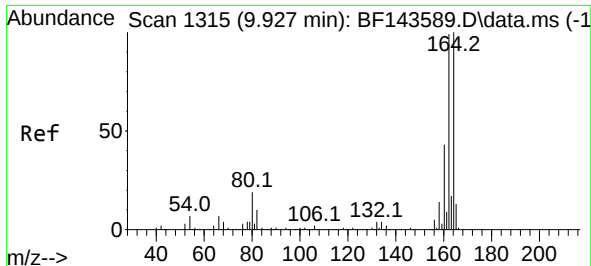
Tgt Ion: 82 Resp: 665712
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#32
Benzoic acid
Concen: 7.371 ng
RT: 7.816 min Scan# 956
Delta R.T. -0.106 min
Lab File: BF143597.D
Acq: 27 Aug 2025 09:45

Tgt Ion:122 Resp: 184
Ion Ratio Lower Upper
122 100
105 0.0 106.4 146.4#
77 0.0 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: BF143597.D

Acq: 27 Aug 2025 09:45

Instrument :

BNA_F

ClientSampleId :

PB169400BL

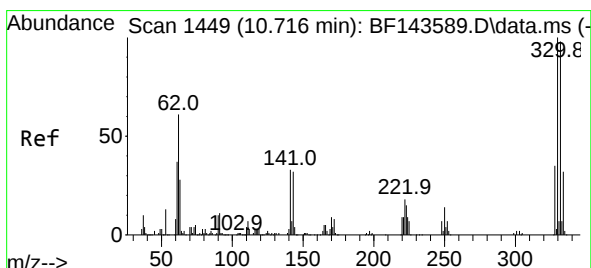
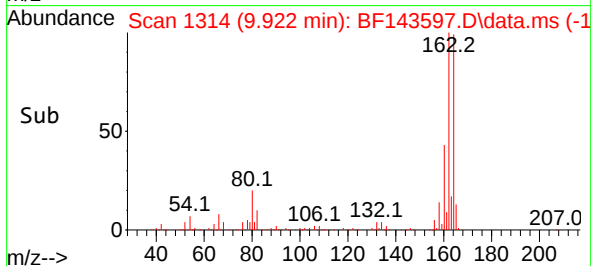
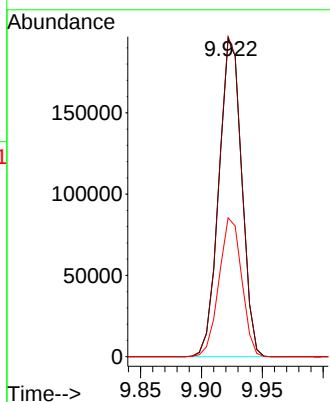
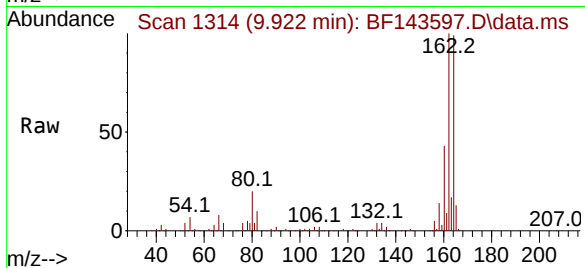
Tgt Ion:164 Resp: 254592

Ion Ratio Lower Upper

164 100

162 100.6 79.5 119.3

160 43.7 34.2 51.4



#42

2,4,6-Tribromophenol

Concen: 148.266 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF143597.D

Acq: 27 Aug 2025 09:45

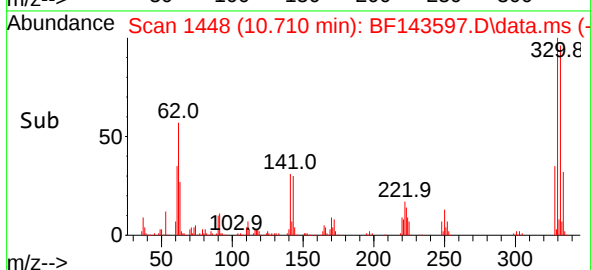
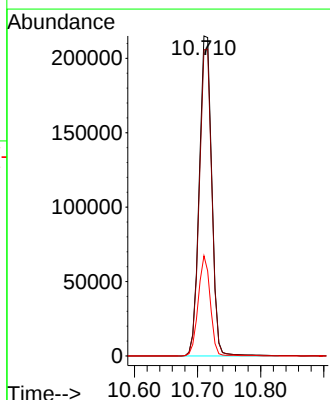
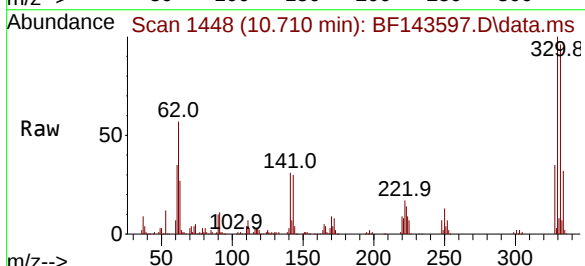
Tgt Ion:330 Resp: 295191

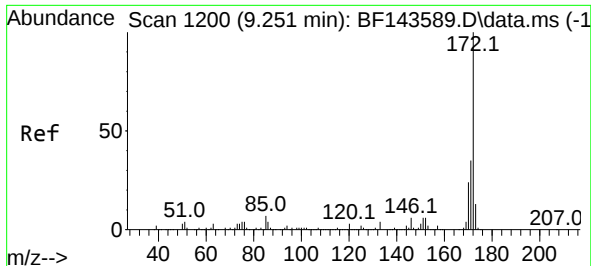
Ion Ratio Lower Upper

330 100

332 96.1 78.2 117.4

141 30.0 25.4 38.0

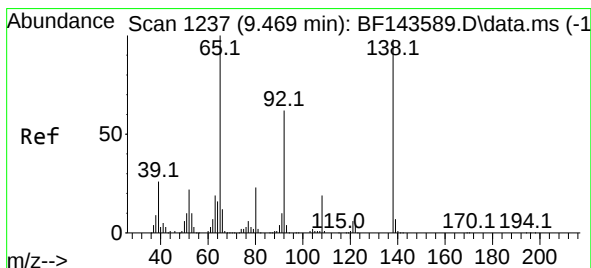
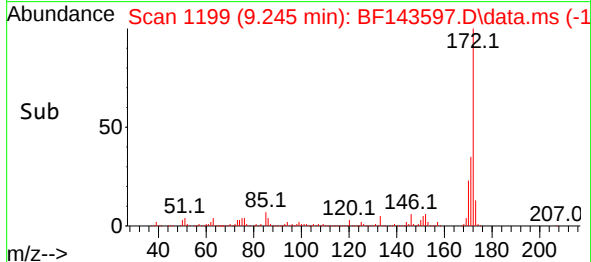
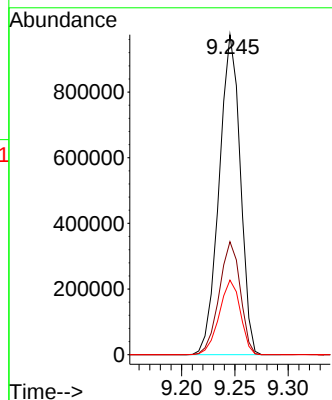
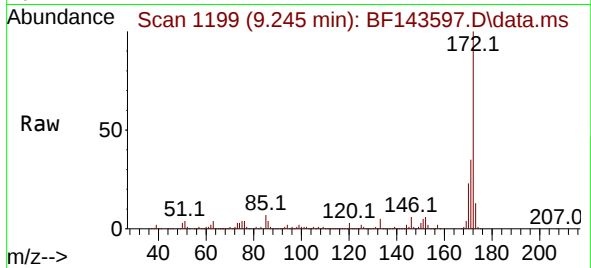




#45
2-Fluorobiphenyl
Concen: 90.086 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF143597.D
Acq: 27 Aug 2025 09:45

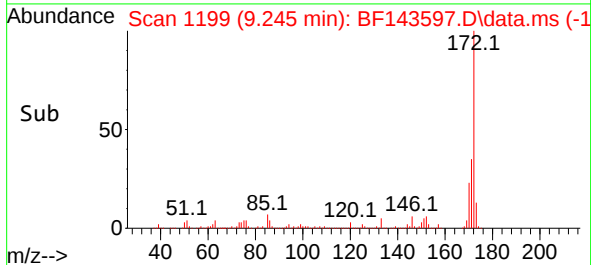
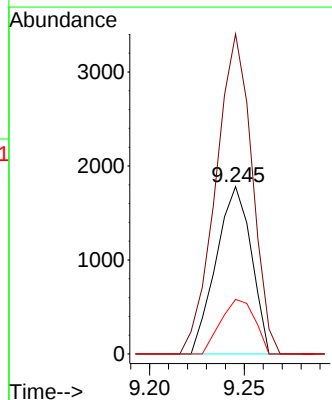
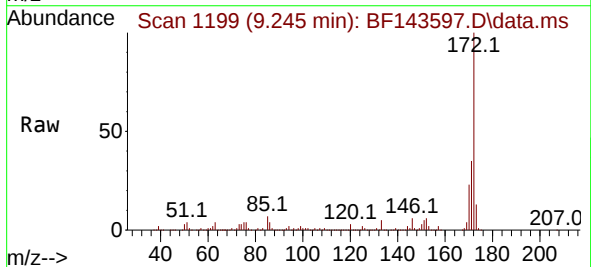
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ClientSampleId :
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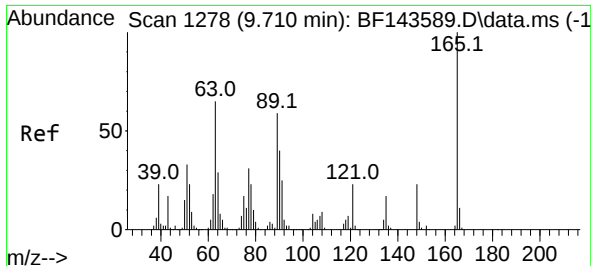
Tgt Ion:172 Resp: 1341429
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 23.3 19.0 28.4



#48
2-Nitroaniline
Concen: 4.844 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.224 min
Lab File: BF143597.D
Acq: 27 Aug 2025 09:45

Tgt Ion: 65 Resp: 2296
Ion Ratio Lower Upper
65 100
92 191.2 49.6 74.4#
138 32.6 78.6 118.0#





#51

2,6-Dinitrotoluene

Concen: 16.099 ng

RT: 9.922 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF143597.D

Acq: 27 Aug 2025 09:45

Instrument :

BNA_F

ClientSampleId :

PB169400BL

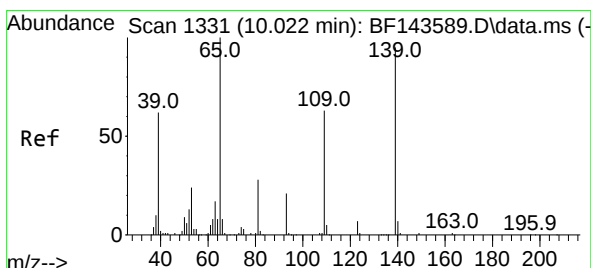
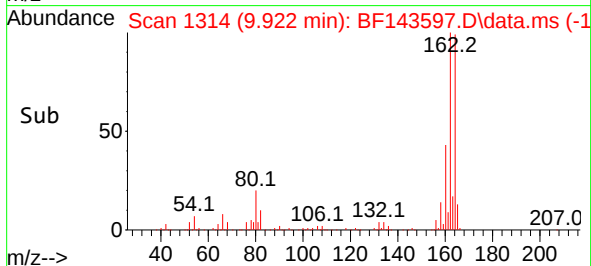
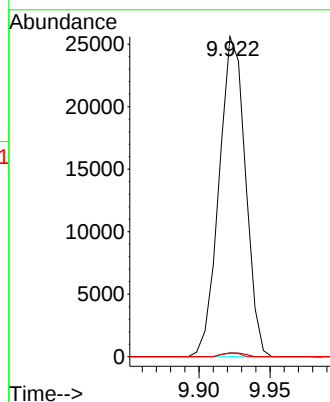
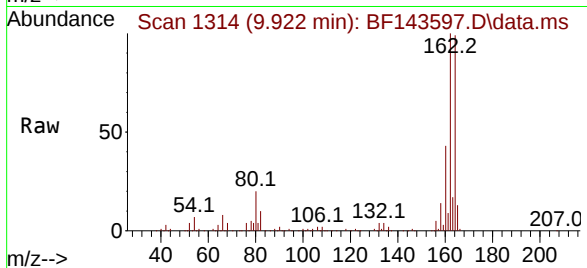
Tgt Ion:165 Resp: 33060

Ion Ratio Lower Upper

165 100

63 1.2 51.8 77.6#

89 1.1 47.4 71.2#



#56

4-Nitrophenol

Concen: 5.435 ng

RT: 10.128 min Scan# 1349

Delta R.T. 0.106 min

Lab File: BF143597.D

Acq: 27 Aug 2025 09:45

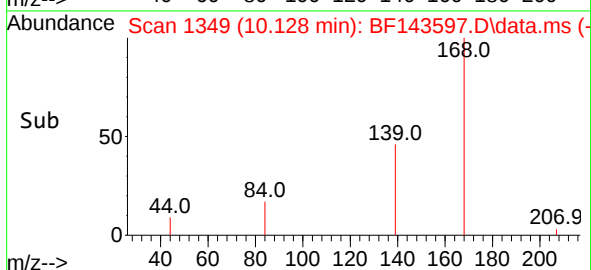
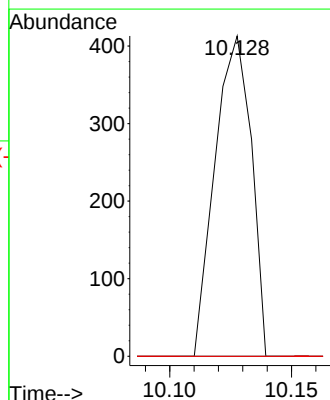
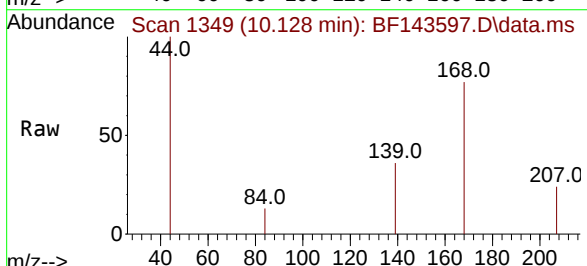
Tgt Ion:139 Resp: 428

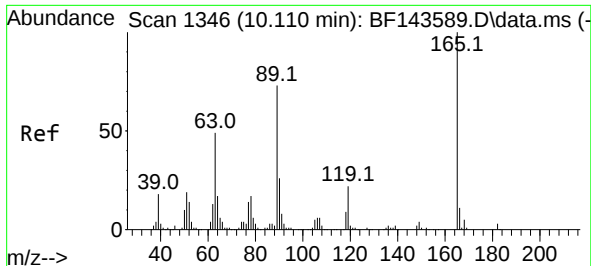
Ion Ratio Lower Upper

139 100

109 0.0 47.3 87.3#

65 0.0 86.8 126.8#

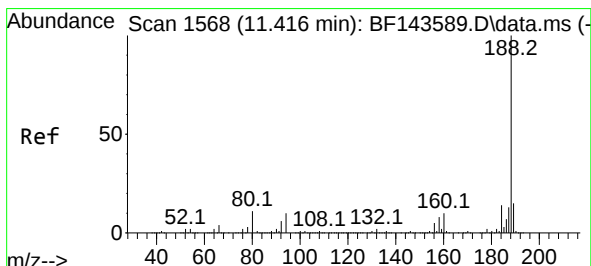
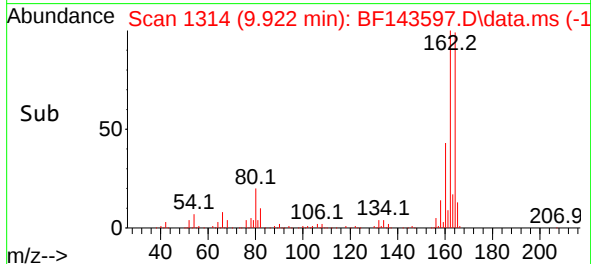
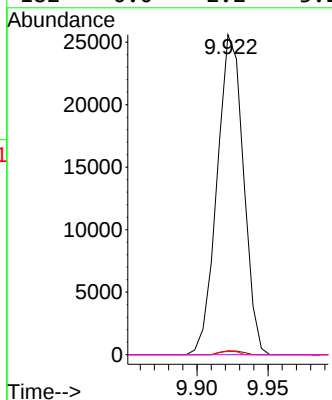
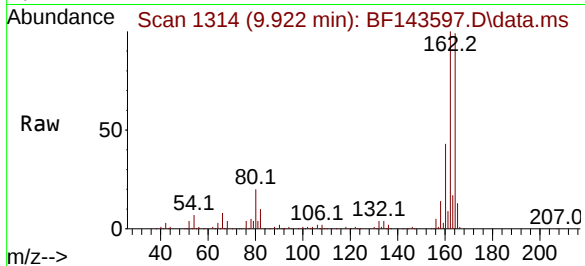




#57
2,4-Dinitrotoluene
Concen: 13.458 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF143597.D
Acq: 27 Aug 2025 09:45

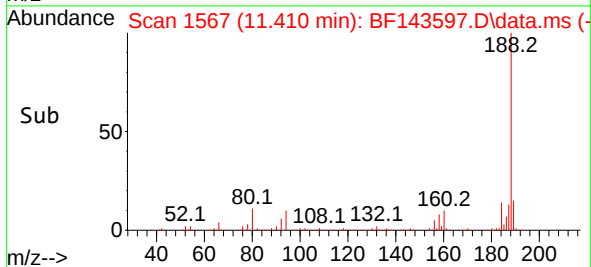
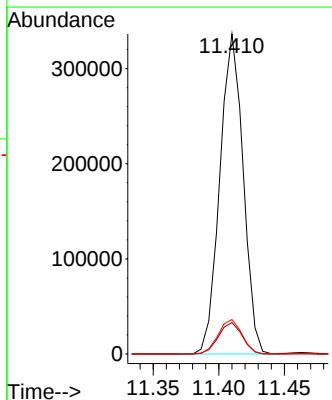
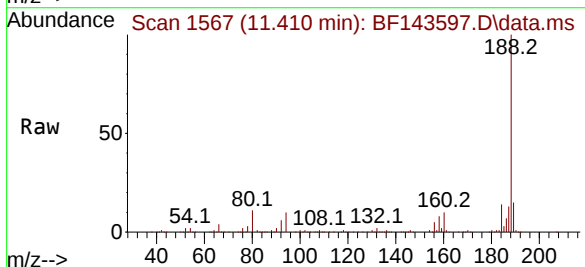
Instrument :
BNA_F
ClientSampleId :
PB169400BL

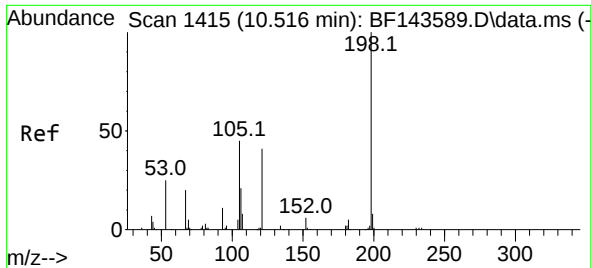
Tgt Ion:165 Resp: 33060
Ion Ratio Lower Upper
165 100
63 1.2 39.5 59.3#
89 1.1 58.1 87.1#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143597.D
Acq: 27 Aug 2025 09:45

Tgt Ion:188 Resp: 415870
Ion Ratio Lower Upper
188 100
94 9.8 8.2 12.4
80 10.7 8.9 13.3

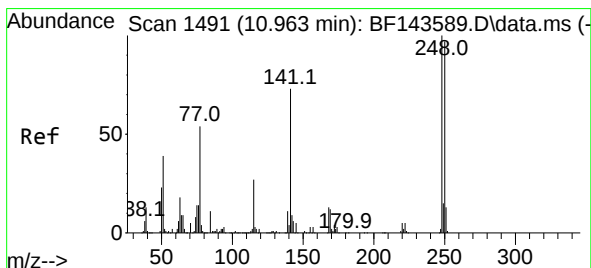
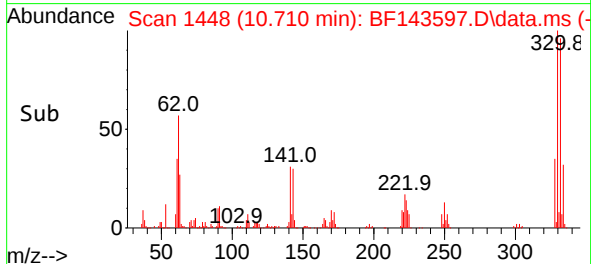
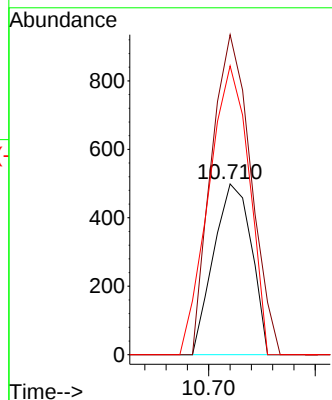
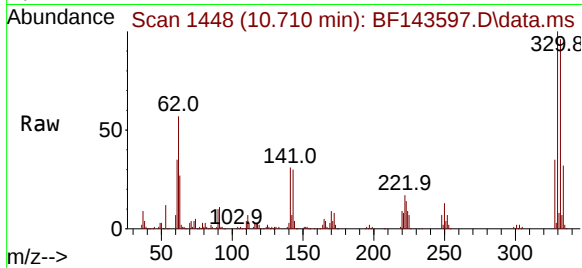




#65
4,6-Dinitro-2-methylphenol
Concen: 8.158 ng
RT: 10.710 min Scan# 1415
Delta R.T. 0.194 min
Lab File: BF143597.D
Acq: 27 Aug 2025 09:45

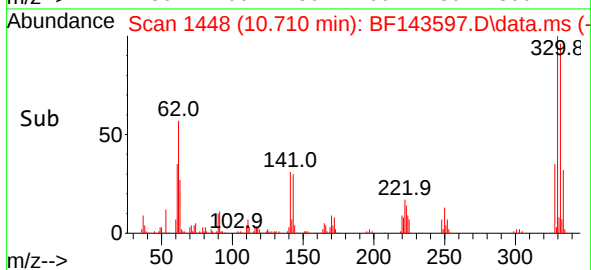
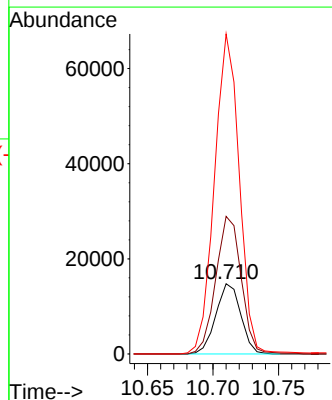
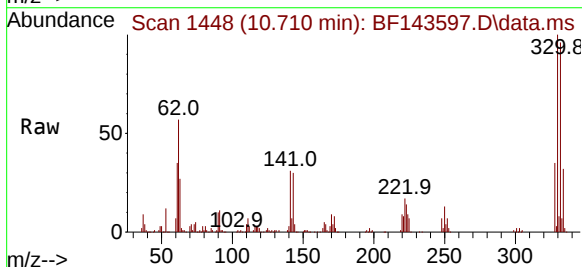
Instrument :
BNA_F
ClientSampleId :
PB169400BL

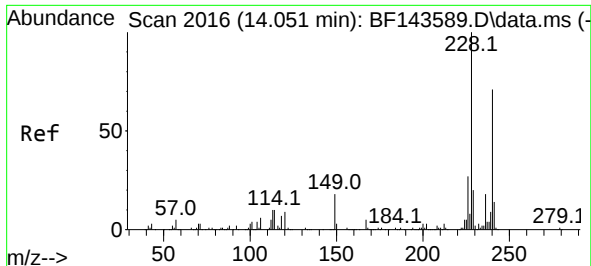
Tgt Ion:198 Resp: 615
Ion Ratio Lower Upper
198 100
51 187.4 41.5 81.5#
105 169.1 28.2 68.2#



#67
4-Bromophenyl-phenylether
Concen: 4.330 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.253 min
Lab File: BF143597.D
Acq: 27 Aug 2025 09:45

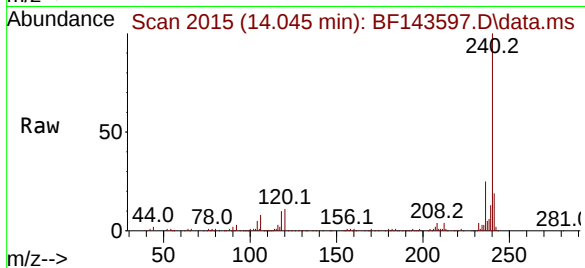
Tgt Ion:248 Resp: 19479
Ion Ratio Lower Upper
248 100
250 195.9 77.8 116.6#
141 455.7 58.5 87.7#



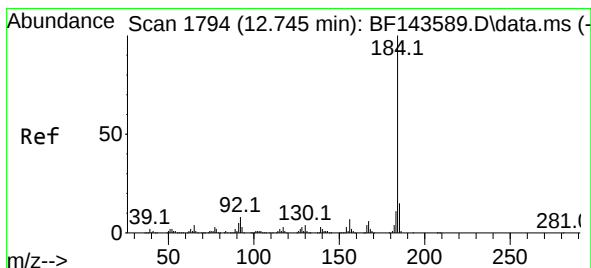
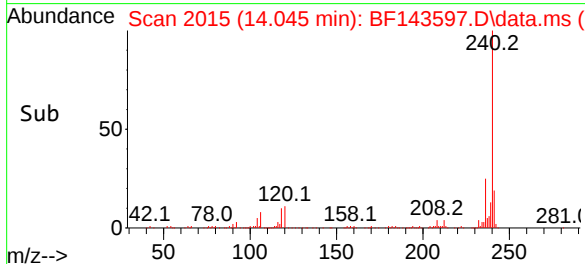
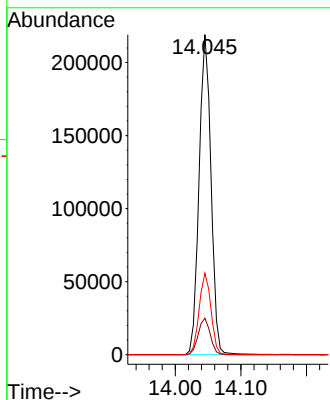


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143597.D
Acq: 27 Aug 2025 09:45

Instrument :
BNA_F
ClientSampleId :
PB169400BL

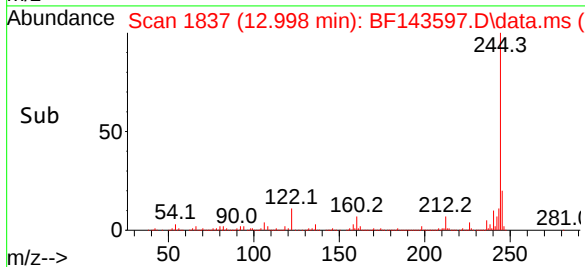
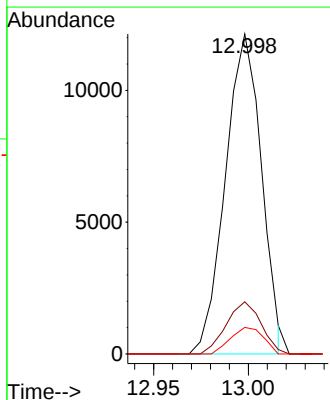
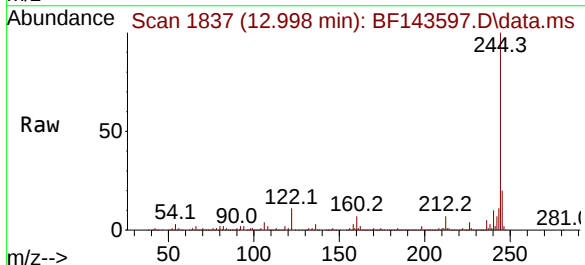


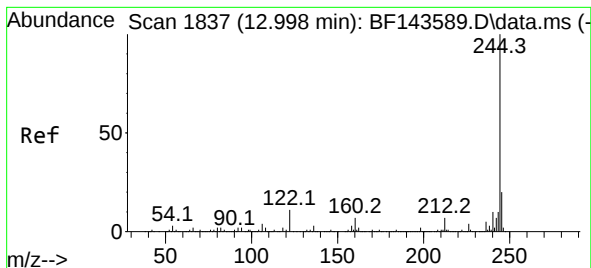
Tgt Ion:240 Resp: 277397
Ion Ratio Lower Upper
240 100
120 11.4 9.6 14.4
236 25.5 20.2 30.2



#77
Benzidine
Concen: 2.518 ng
RT: 12.998 min Scan# 1837
Delta R.T. 0.253 min
Lab File: BF143597.D
Acq: 27 Aug 2025 09:45

Tgt Ion:184 Resp: 16079
Ion Ratio Lower Upper
184 100
185 16.3 11.8 17.6
183 8.3 9.1 13.7#





#79

Terphenyl-d14

Concen: 89.915 ng

RT: 12.998 min Scan# 1837

Delta R.T. 0.000 min

Lab File: BF143597.D

Acq: 27 Aug 2025 09:45

Instrument :

BNA_F

ClientSampleId :

PB169400BL

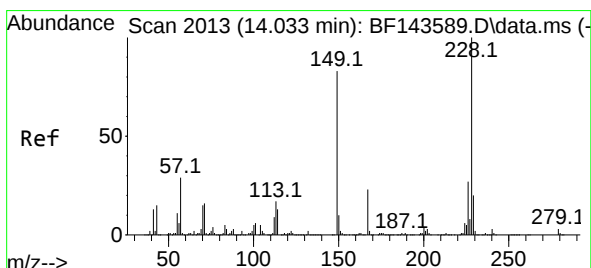
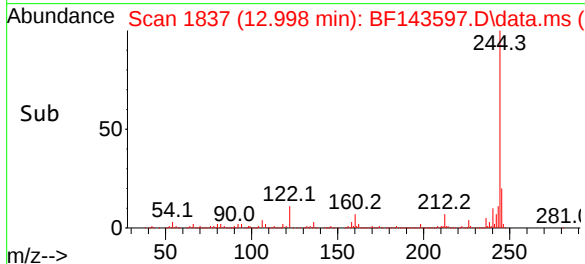
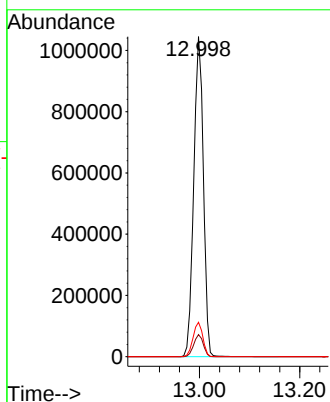
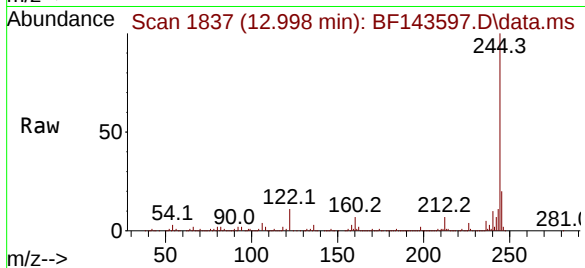
Tgt Ion:244 Resp: 1389942

Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 10.8 8.8 13.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.250 ng

RT: 14.033 min Scan# 2013

Delta R.T. 0.000 min

Lab File: BF143597.D

Acq: 27 Aug 2025 09:45

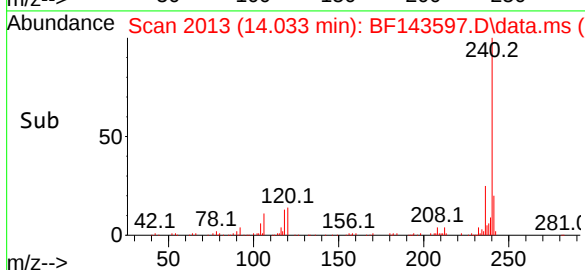
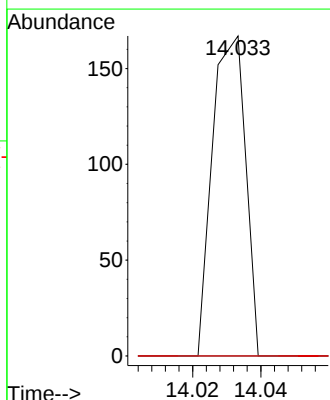
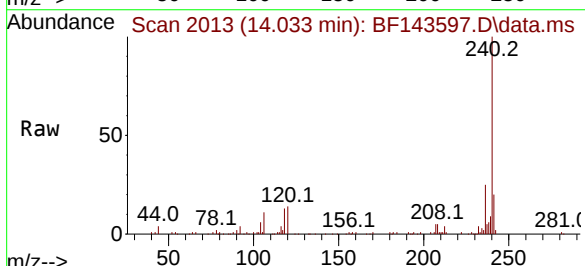
Tgt Ion:149 Resp: 113

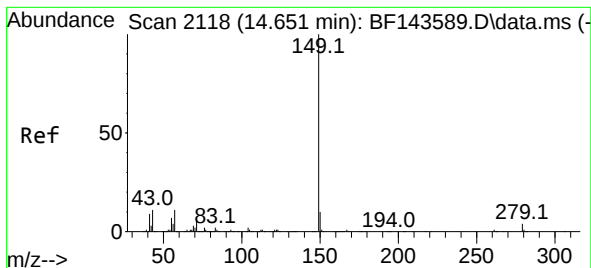
Ion Ratio Lower Upper

149 100

167 0.0 21.8 32.8#

279 0.0 2.9 4.3#





#85

Di-n-octyl phthalate

Concen: 5.878 ng

RT: 14.645 min Scan# 2118

Delta R.T. -0.006 min

Lab File: BF143597.D

Acq: 27 Aug 2025 09:45

Instrument :

BNA_F

ClientSampleId :

PB169400BL

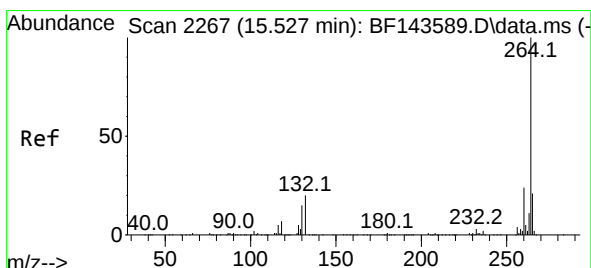
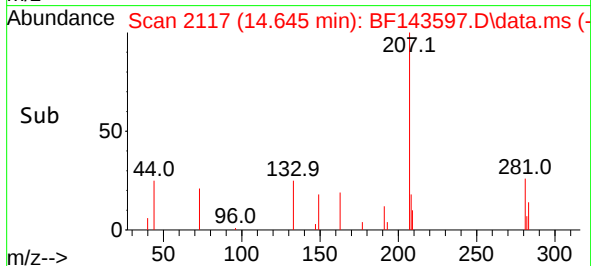
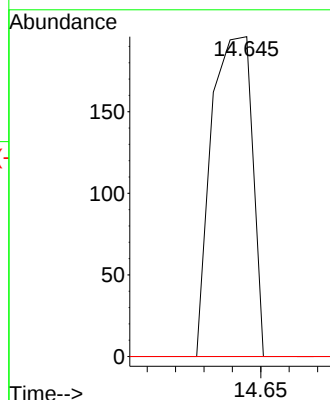
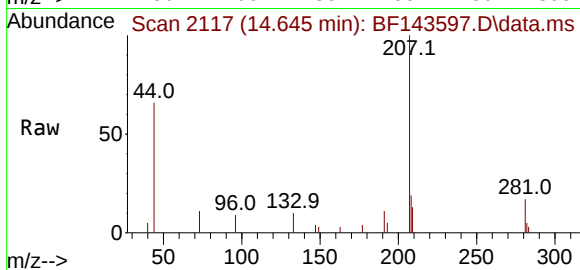
Tgt Ion:149 Resp: 195

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: BF143597.D

Acq: 27 Aug 2025 09:45

Tgt Ion:264 Resp: 230677

Ion Ratio Lower Upper

264 100

260 23.3 18.9 28.3

265 22.0 17.0 25.4

