

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082825\
 Data File : BF143607.D
 Acq On : 28 Aug 2025 13:43
 Operator : RC/JU
 Sample : PB169431BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169431BL

Quant Time: Aug 28 15:11:26 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)

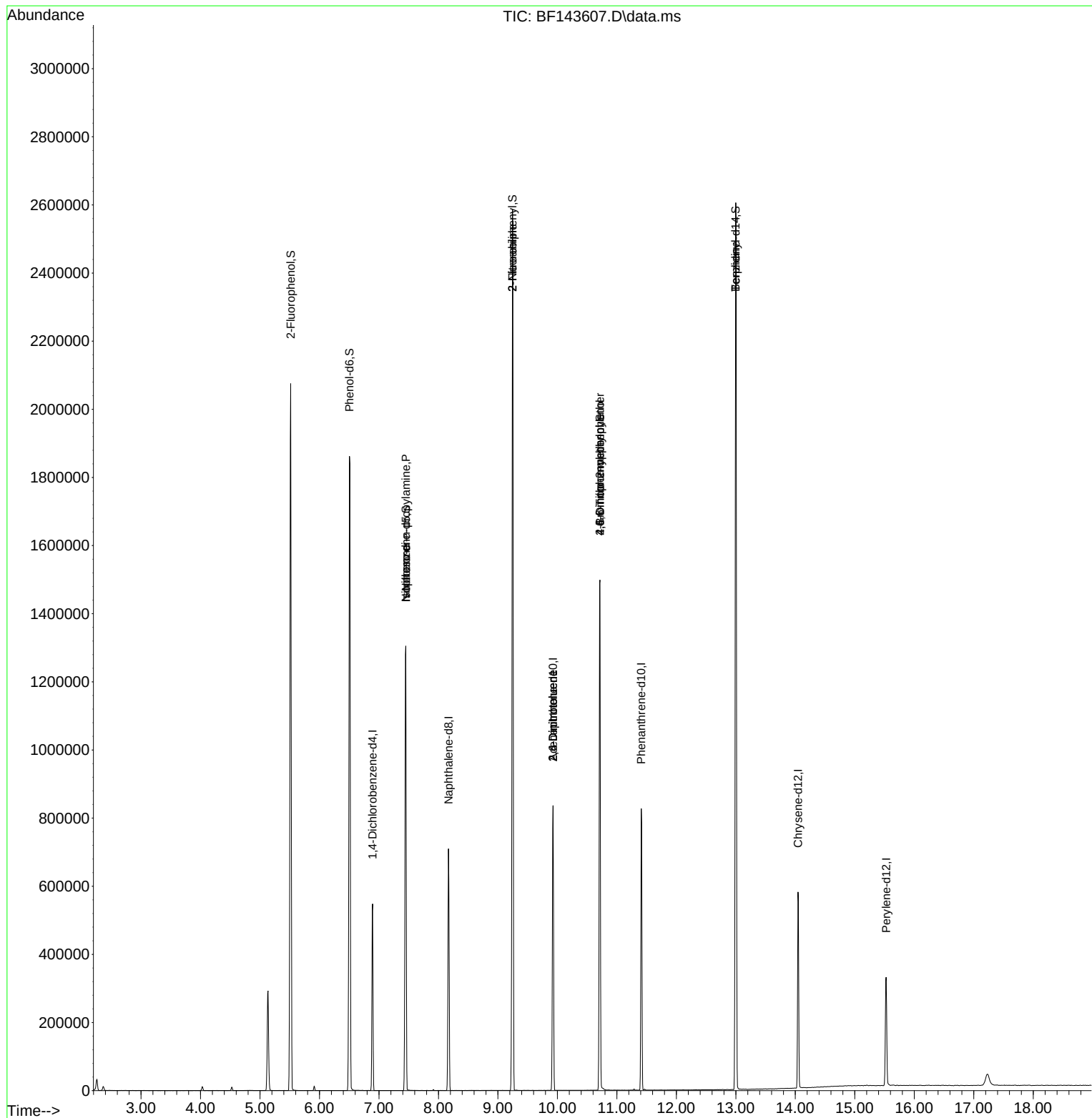
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	119642	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	458123	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	259039	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	431993	20.000	ng	0.00
76) Chrysene-d12	14.045	240	285579	20.000	ng	0.00
86) Perylene-d12	15.527	264	196064	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	816003	116.081	ng	0.01
7) Phenol-d6	6.504	99	994647	114.241	ng	0.00
23) Nitrobenzene-d5	7.451	82	624002	97.254	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	276221	136.356	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1251192	82.584	ng	0.00
79) Terphenyl-d14	12.998	244	1319687	82.925	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.451	70	83409	15.122	ng	# 75
25) Isophorone	7.451	82	619246	41.241	ng	# 66
48) 2-Nitroaniline	9.245	65	2100	4.790	ng	# 1
51) 2,6-Dinitrotoluene	9.928	165	33872	16.177	ng	# 21
57) 2,4-Dinitrotoluene	9.928	165	33872	13.518	ng	# 22
65) 4,6-Dinitro-2-methylph...	10.716	198	527	8.078	ng	# 1
67) 4-Bromophenyl-phenylether	10.716	248	17769	3.803	ng	# 1
77) Benzidine	12.998	184	15798	2.403	ng	# 94

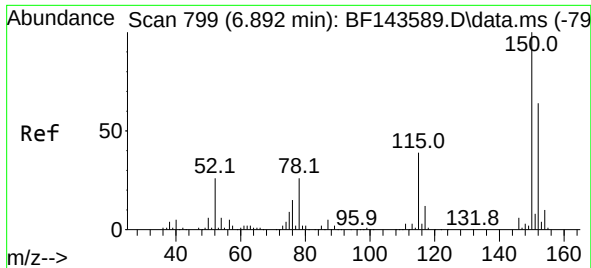
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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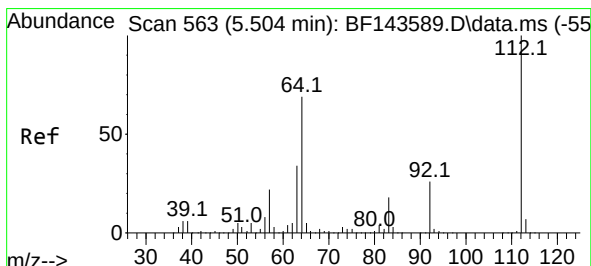
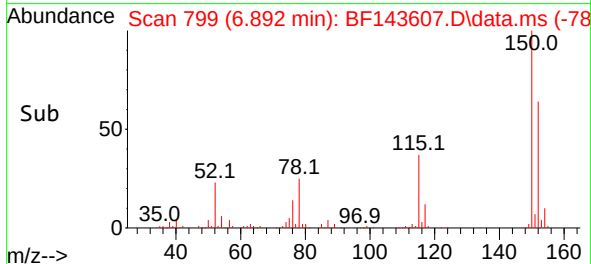
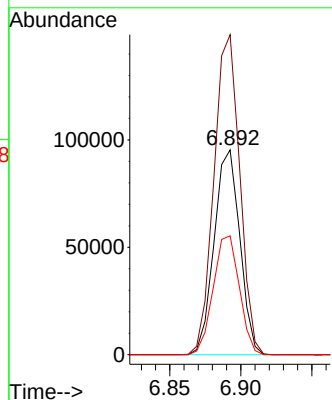
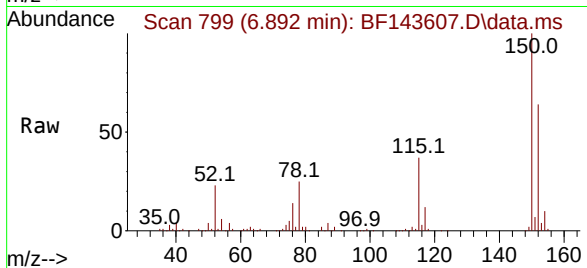




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.892 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: BF143607.D
 Acq: 28 Aug 2025 13:43

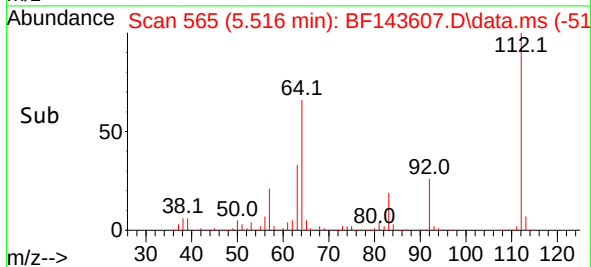
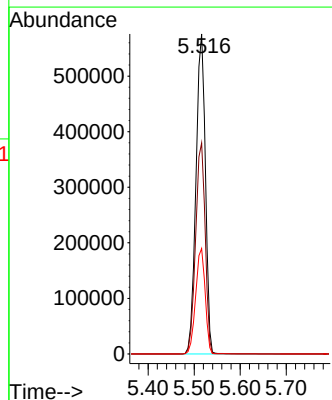
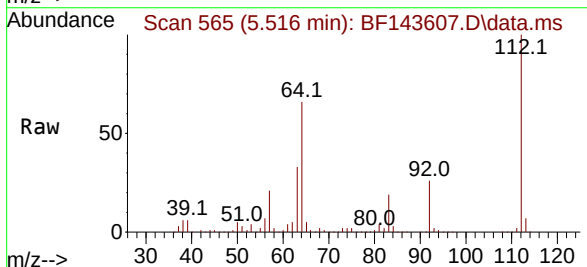
Instrument :
 BNA_F
 ClientSampleId :
 PB169431BL

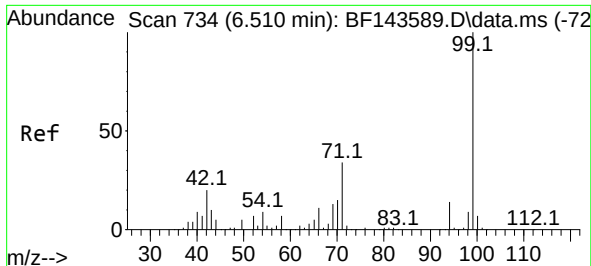
Tgt Ion:152 Resp: 119642
 Ion Ratio Lower Upper
 152 100
 150 156.3 124.9 187.3
 115 58.0 48.0 72.0



#5
 2-Fluorophenol
 Concen: 116.081 ng
 RT: 5.516 min Scan# 565
 Delta R.T. 0.012 min
 Lab File: BF143607.D
 Acq: 28 Aug 2025 13:43

Tgt Ion:112 Resp: 816003
 Ion Ratio Lower Upper
 112 100
 64 66.0 54.8 82.2
 63 32.9 27.6 41.4

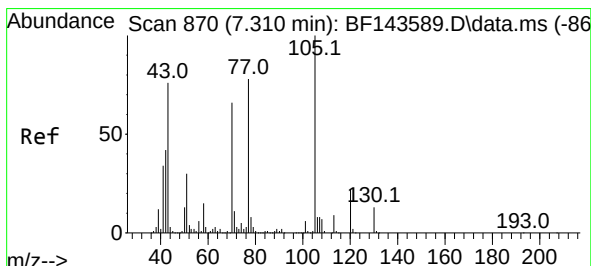
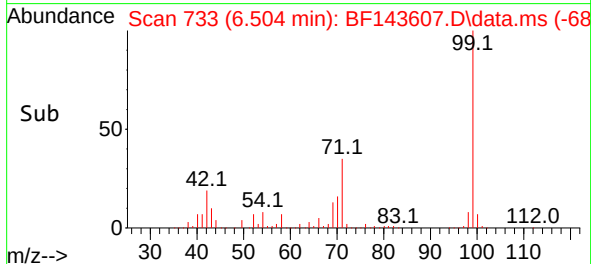
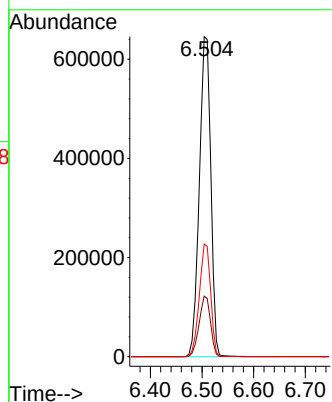
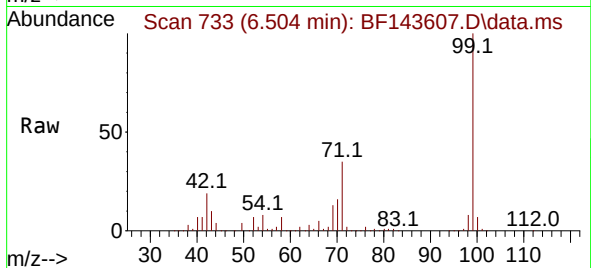




#7
Phenol-d6
Concen: 114.241 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143607.D
Acq: 28 Aug 2025 13:43

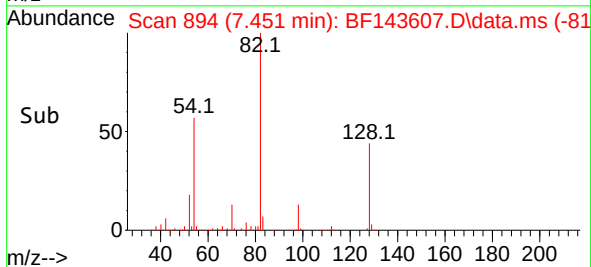
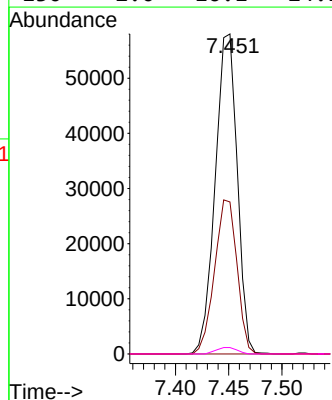
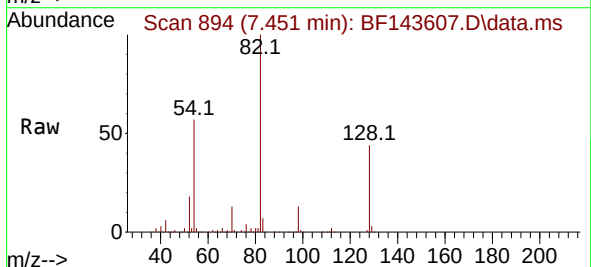
Instrument :
BNA_F
ClientSampleId :
PB169431BL

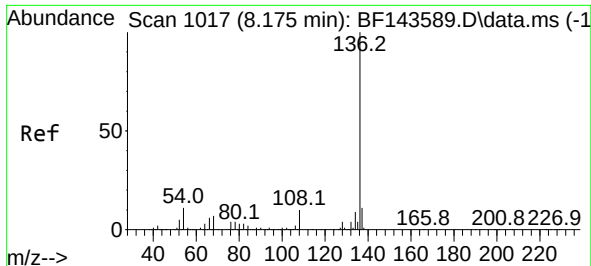
Tgt Ion: 99 Resp: 994647
Ion Ratio Lower Upper
99 100
42 18.9 15.9 23.9
71 35.2 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.122 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.141 min
Lab File: BF143607.D
Acq: 28 Aug 2025 13:43

Tgt Ion: 70 Resp: 83409
Ion Ratio Lower Upper
70 100
42 47.5 50.6 75.8#
101 0.0 7.5 11.3#
130 2.0 16.1 24.1#



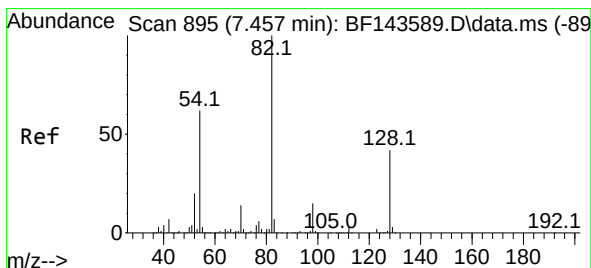
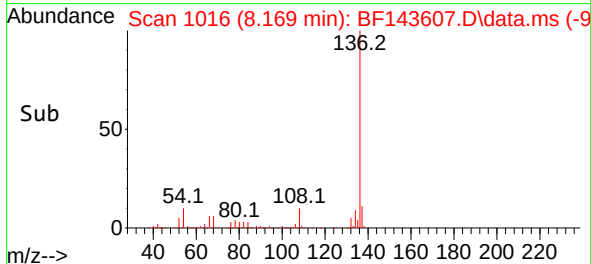
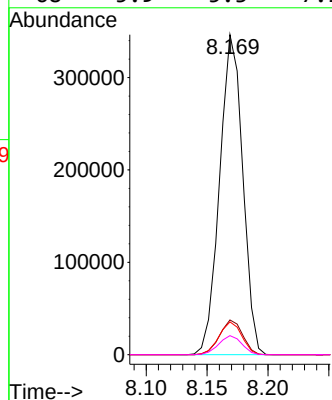
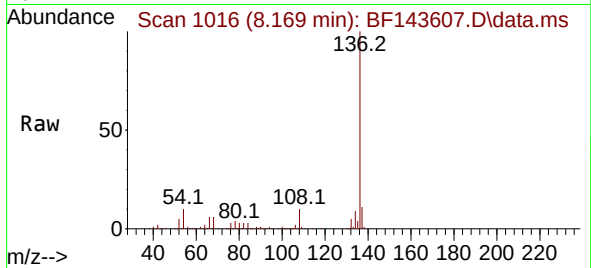


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143607.D
Acq: 28 Aug 2025 13:43

Instrument :
BNA_F
ClientSampleId :
PB169431BL

Tgt Ion:136 Resp: 458123

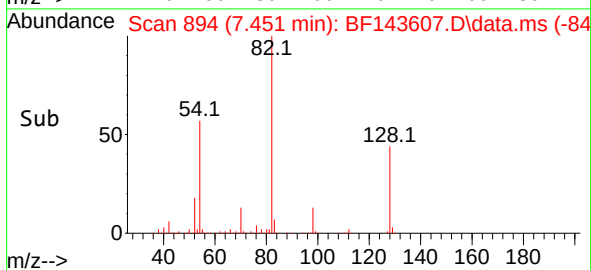
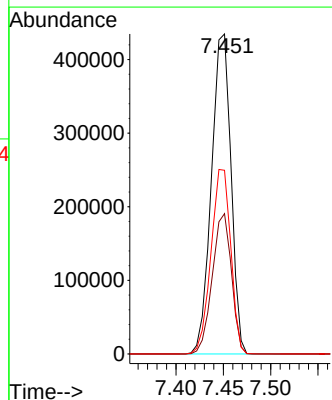
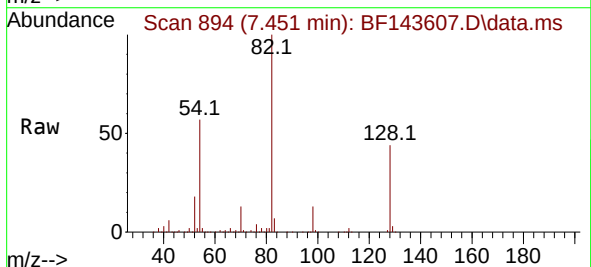
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	10.2	9.0	13.6
68	5.9	5.3	7.9

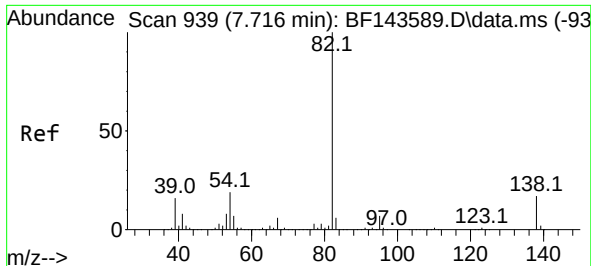


#23
Nitrobenzene-d5
Concen: 97.254 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF143607.D
Acq: 28 Aug 2025 13:43

Tgt Ion: 82 Resp: 624002

Ion	Ratio	Lower	Upper
82	100		
128	43.9	33.4	50.2
54	57.4	49.3	73.9

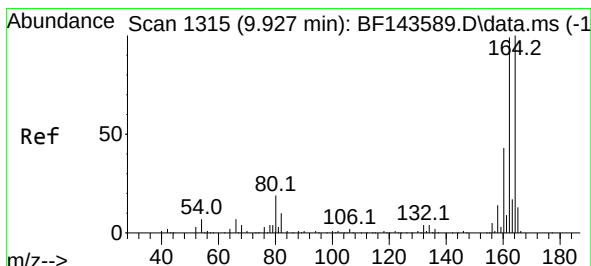
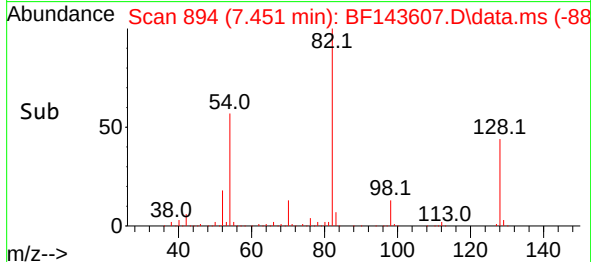
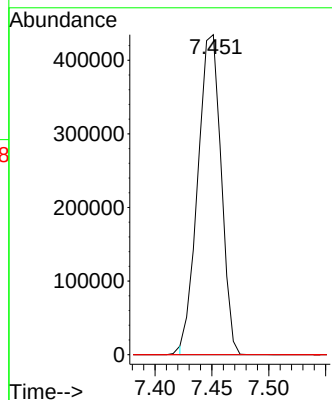
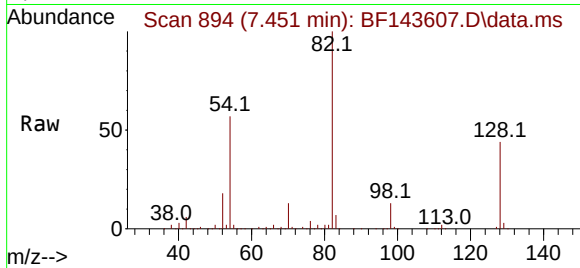




#25
Isophorone
Concen: 41.241 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.265 min
Lab File: BF143607.D
Acq: 28 Aug 2025 13:43

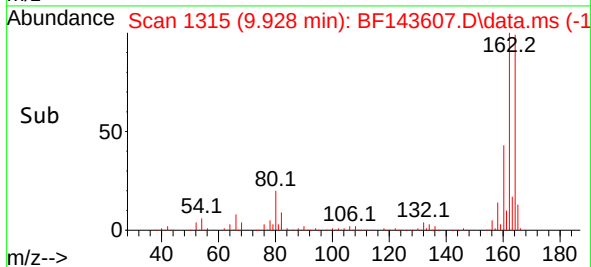
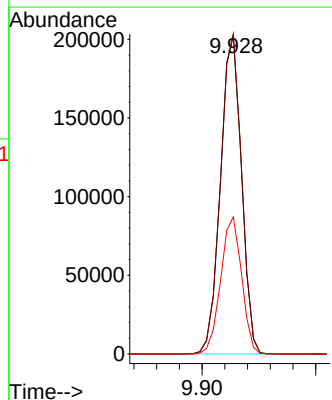
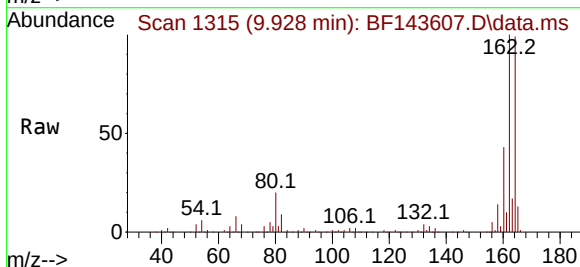
Instrument :
BNA_F
ClientSampleId :
PB169431BL

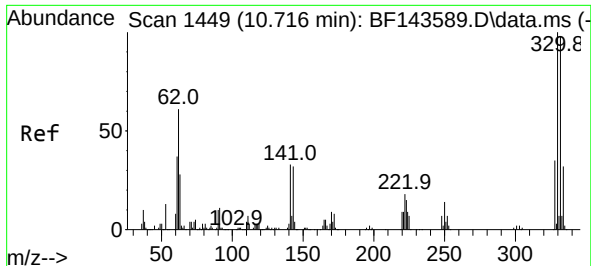
Tgt Ion: 82 Resp: 619246
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1315
Delta R.T. 0.001 min
Lab File: BF143607.D
Acq: 28 Aug 2025 13:43

Tgt Ion:164 Resp: 259039
Ion Ratio Lower Upper
164 100
162 100.6 79.5 119.3
160 43.1 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 136.356 ng

RT: 10.716 min Scan# 1449

Delta R.T. 0.000 min

Lab File: BF143607.D

Acq: 28 Aug 2025 13:43

Instrument :

BNA_F

ClientSampleId :

PB169431BL

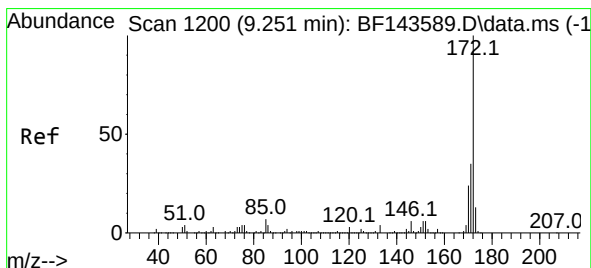
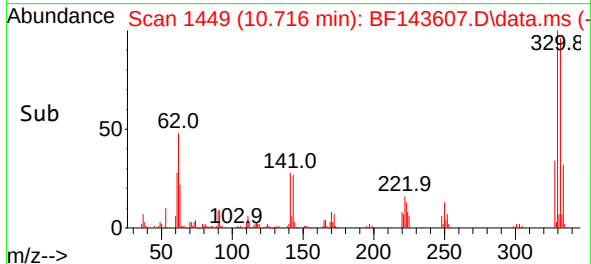
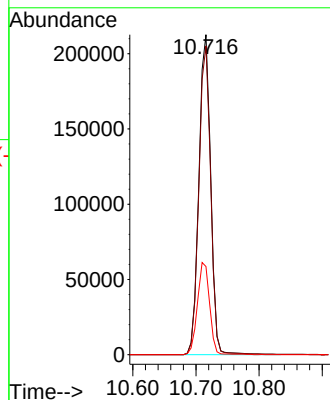
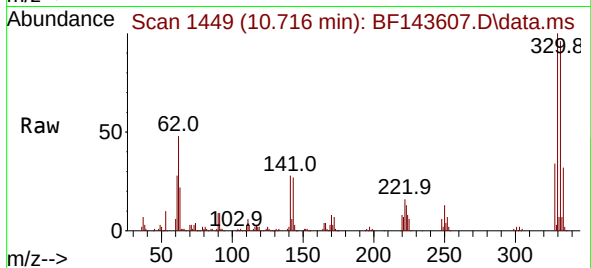
Tgt Ion:330 Resp: 276221

Ion Ratio Lower Upper

330 100

332 96.5 78.2 117.4

141 29.7 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 82.584 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF143607.D

Acq: 28 Aug 2025 13:43

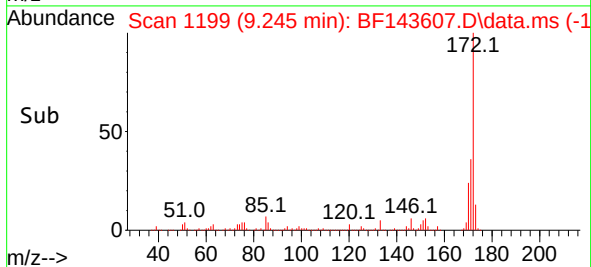
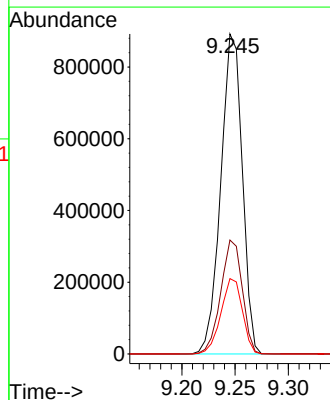
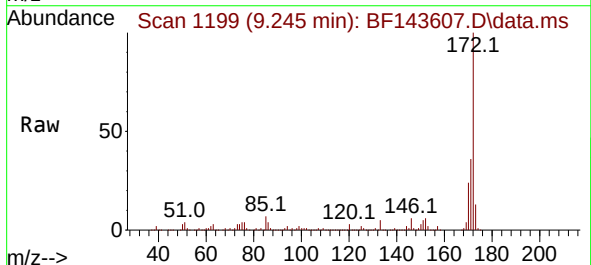
Tgt Ion:172 Resp: 1251192

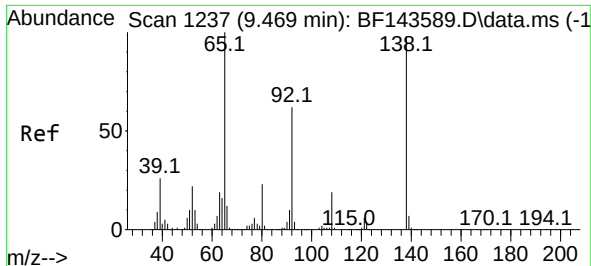
Ion Ratio Lower Upper

172 100

171 35.6 28.3 42.5

170 23.6 19.0 28.4

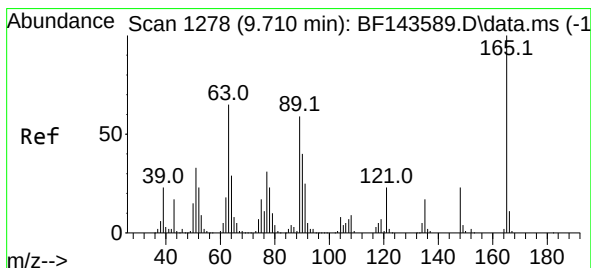
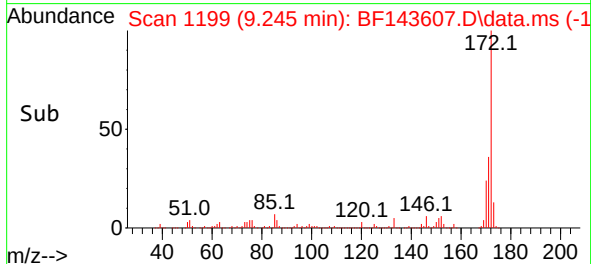
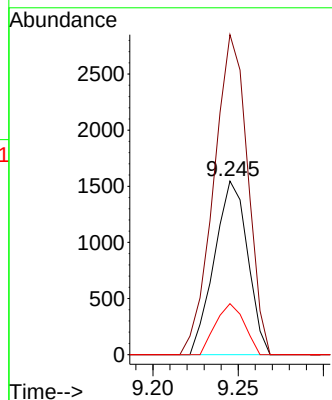
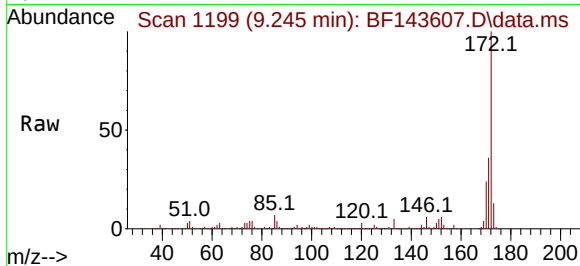




#48
2-Nitroaniline
Concen: 4.790 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.224 min
Lab File: BF143607.D
Acq: 28 Aug 2025 13:43

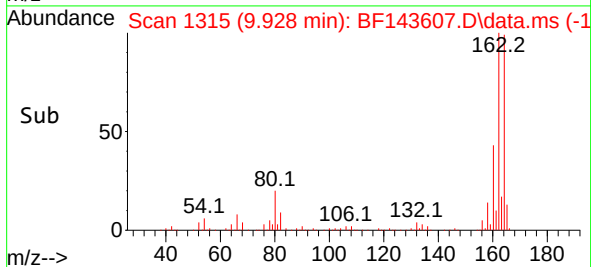
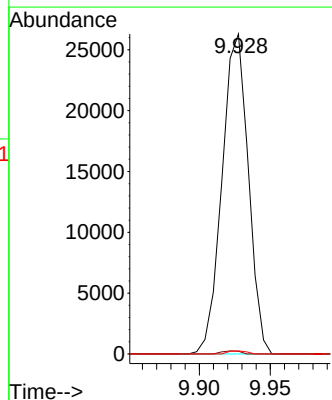
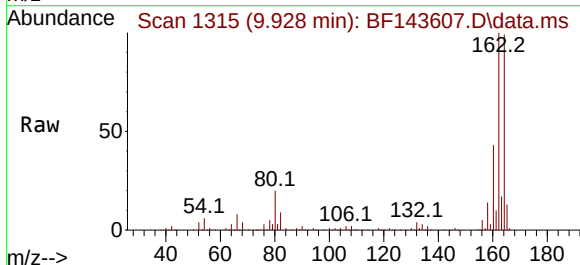
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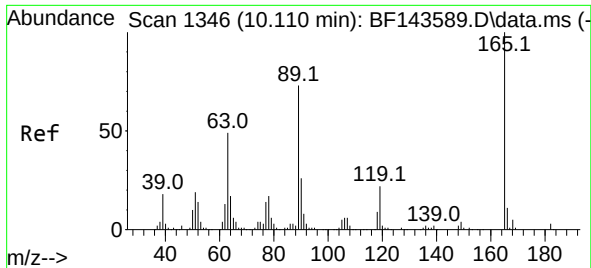
Tgt Ion: 65 Resp: 2100
Ion Ratio Lower Upper
65 100
92 184.4 49.6 74.4#
138 29.4 78.6 118.0#



#51
2,6-Dinitrotoluene
Concen: 16.177 ng
RT: 9.928 min Scan# 1315
Delta R.T. 0.218 min
Lab File: BF143607.D
Acq: 28 Aug 2025 13:43

Tgt Ion: 165 Resp: 33872
Ion Ratio Lower Upper
165 100
63 0.9 51.8 77.6#
89 1.0 47.4 71.2#

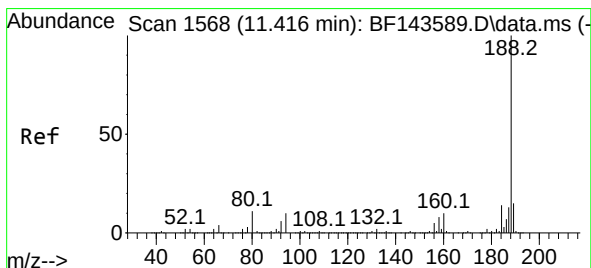
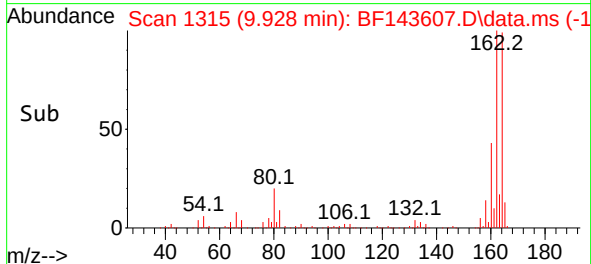
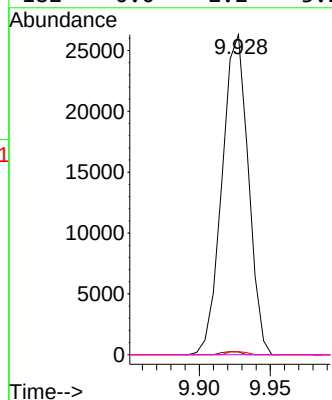
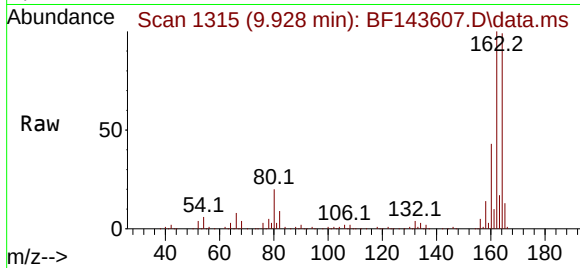




#57
2,4-Dinitrotoluene
Concen: 13.518 ng
RT: 9.928 min Scan# 11
Delta R.T. -0.182 min
Lab File: BF143607.D
Acq: 28 Aug 2025 13:43

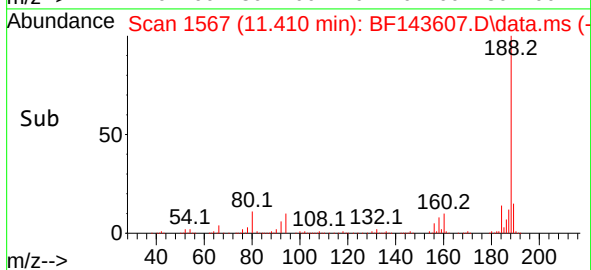
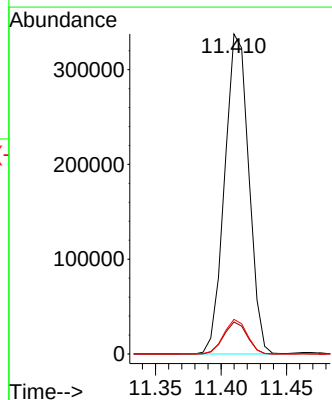
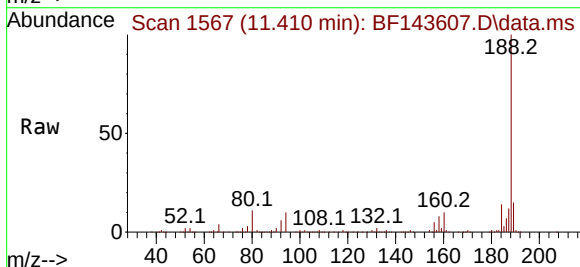
Instrument :
BNA_F
ClientSampleId :
PB169431BL

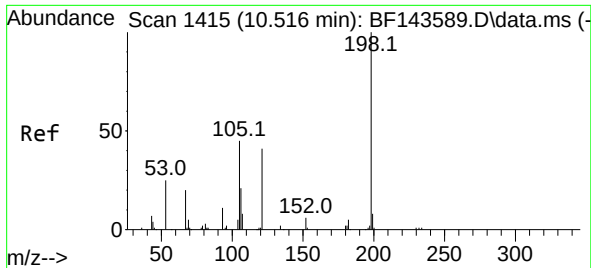
Tgt Ion:165 Resp: 33872
Ion Ratio Lower Upper
165 100
63 0.9 39.5 59.3#
89 1.0 58.1 87.1#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143607.D
Acq: 28 Aug 2025 13:43

Tgt Ion:188 Resp: 431993
Ion Ratio Lower Upper
188 100
94 10.0 8.2 12.4
80 10.8 8.9 13.3

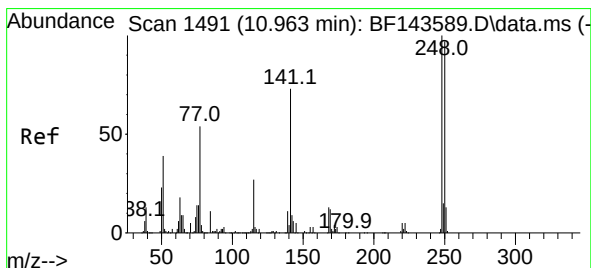
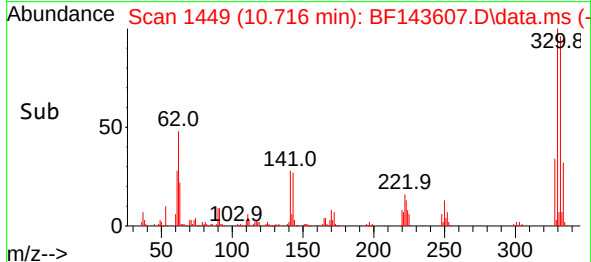
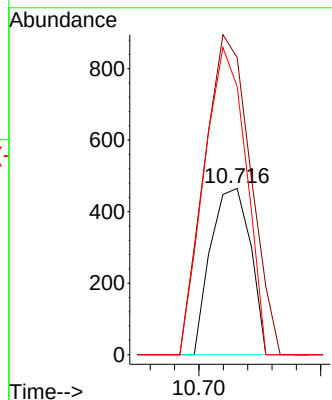
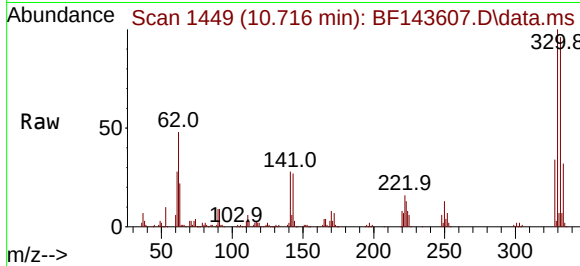




#65
4,6-Dinitro-2-methylphenol
Concen: 8.078 ng
RT: 10.716 min Scan# 1415
Delta R.T. 0.200 min
Lab File: BF143607.D
Acq: 28 Aug 2025 13:43

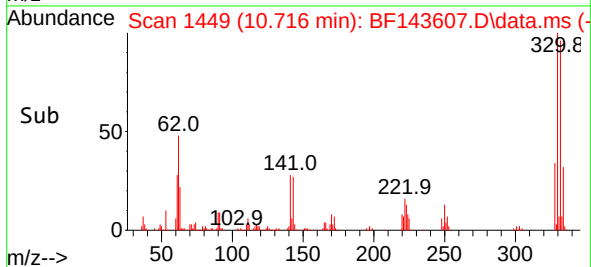
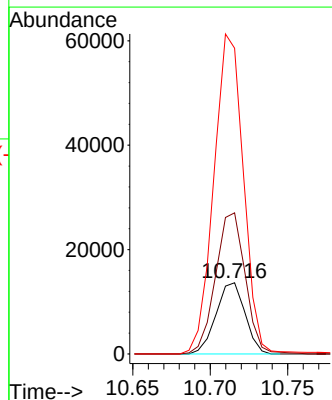
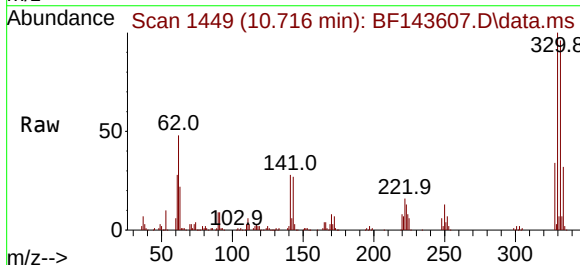
Instrument :
BNA_F
ClientSampleId :
PB169431BL

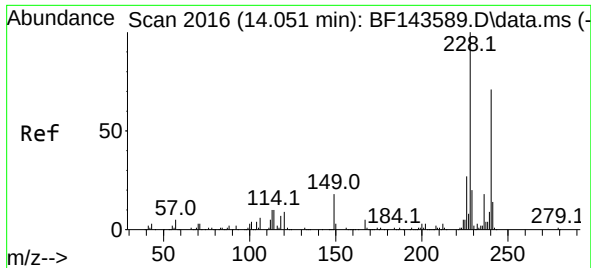
Tgt Ion	Ratio	Lower	Upper
198	100		
51	178.7	41.5	81.5#
105	161.3	28.2	68.2#



#67
4-Bromophenyl-phenylether
Concen: 3.803 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.247 min
Lab File: BF143607.D
Acq: 28 Aug 2025 13:43

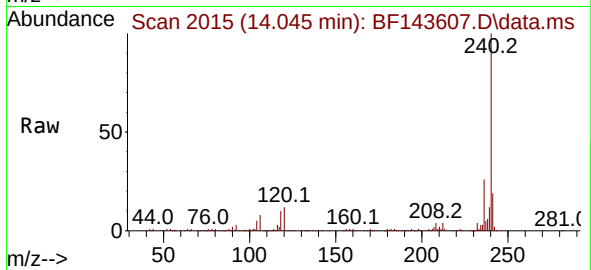
Tgt Ion	Ratio	Lower	Upper
248	100		
250	198.2	77.8	116.6#
141	429.4	58.5	87.7#



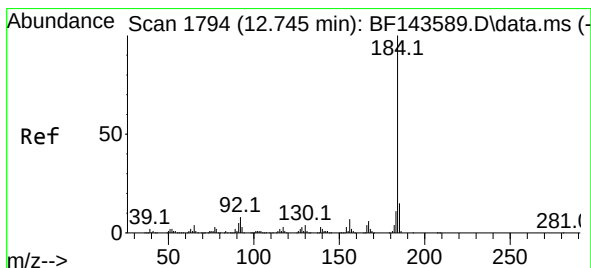
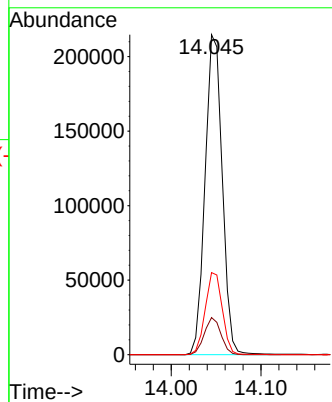
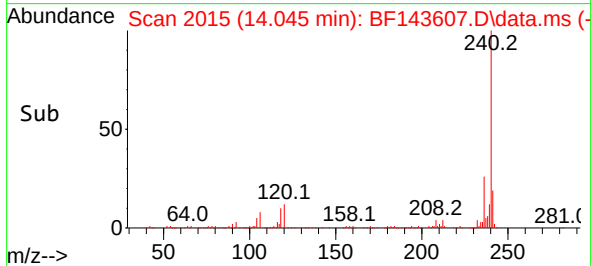


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143607.D
Acq: 28 Aug 2025 13:43

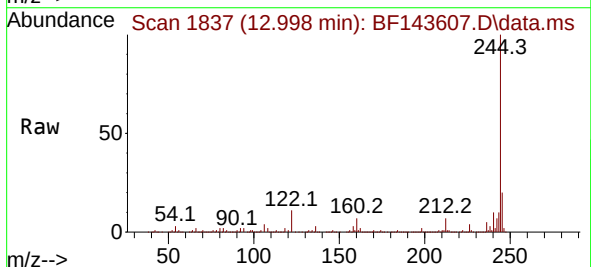
Instrument :
BNA_F
ClientSampleId :
PB169431BL



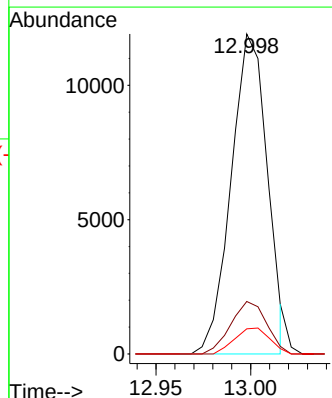
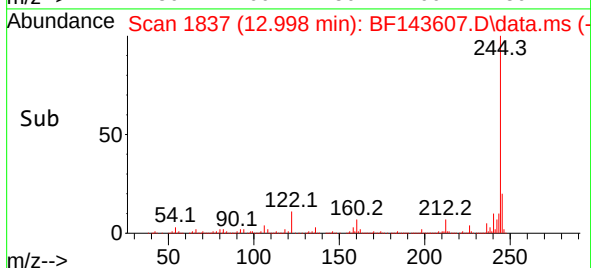
Tgt Ion:240 Resp: 285579
Ion Ratio Lower Upper
240 100
120 11.6 9.6 14.4
236 25.6 20.2 30.2

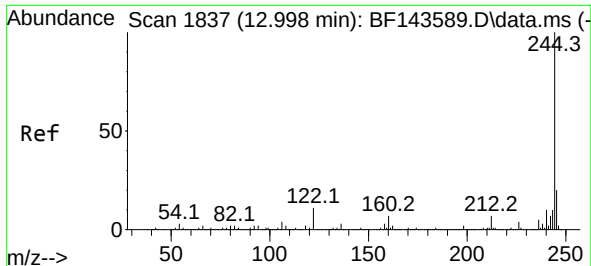


#77
Benidine
Concen: 2.403 ng
RT: 12.998 min Scan# 1837
Delta R.T. 0.253 min
Lab File: BF143607.D
Acq: 28 Aug 2025 13:43



Tgt Ion:184 Resp: 15798
Ion Ratio Lower Upper
184 100
185 16.4 11.8 17.6
183 7.9 9.1 13.7#

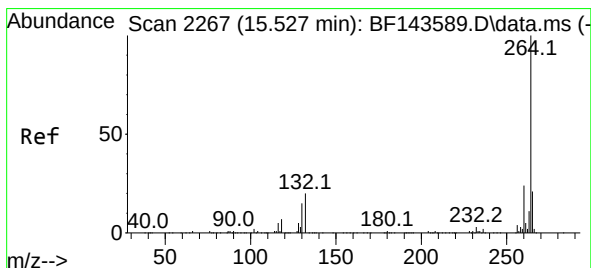
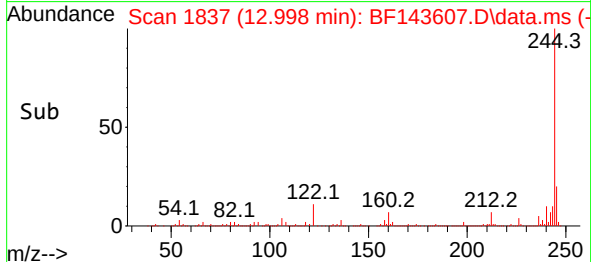
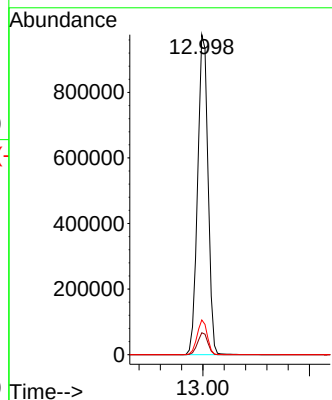
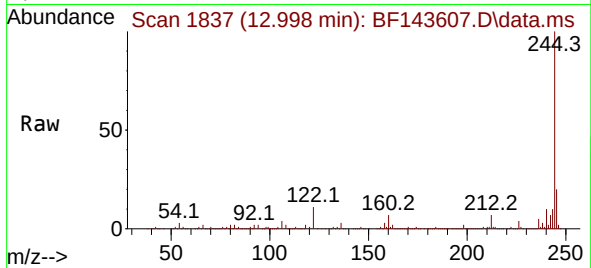




#79
 Terphenyl-d14
 Concen: 82.925 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. 0.000 min
 Lab File: BF143607.D
 Acq: 28 Aug 2025 13:43

Instrument :
 BNA_F
 ClientSampleId :
 PB169431BL

Tgt Ion:244 Resp: 1319687
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.5 8.3
 122 10.9 8.8 13.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.527 min Scan# 2267
 Delta R.T. 0.000 min
 Lab File: BF143607.D
 Acq: 28 Aug 2025 13:43

Tgt Ion:264 Resp: 196064
 Ion Ratio Lower Upper
 264 100
 260 22.6 18.9 28.3
 265 21.0 17.0 25.4

