

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022525\
 Data File : BF141769.D
 Acq On : 25 Feb 2025 17:34
 Operator : RC/JU
 Sample : Q1415-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-163-SB01

Quant Time: Feb 26 00:07:42 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

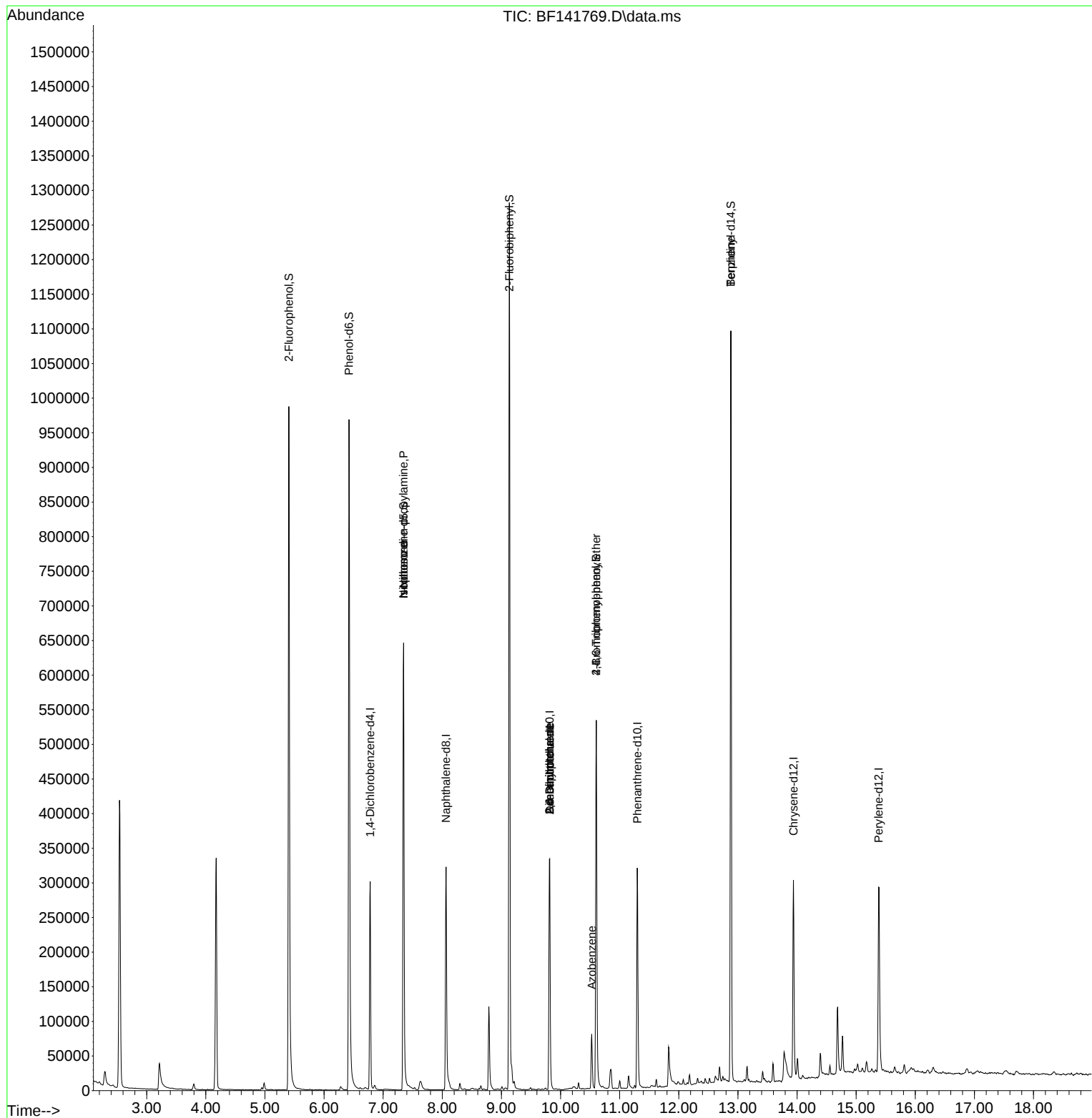
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	65687	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	241105	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	115261	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	181981	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	152705	20.000	ng	-0.02
86) Perylene-d12	15.380	264	176440	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	416394	99.380	ng	0.00
7) Phenol-d6	6.422	99	492798	93.056	ng	-0.02
23) Nitrobenzene-d5	7.345	82	318531	68.908	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	97463	84.176	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	578204	77.286	ng	-0.02
79) Terphenyl-d14	12.880	244	529478	58.534	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	42227	13.331	ng	# 71
25) Isophorone	7.345	82	311929	42.321	ng	# 66
50) Dimethylphthalate	9.816	163	17010	2.174	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	14767	8.633	ng	# 21
57) 2,4-Dinitrotoluene	9.816	165	14767	6.485	ng	# 17
63) Azobenzene	10.528	77	21514	2.811	ng	# 1
67) 4-Bromophenyl-phenylether	10.604	248	6484	3.188	ng	# 1
77) Benzidine	12.880	184	6808	2.021	ng	# 92

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

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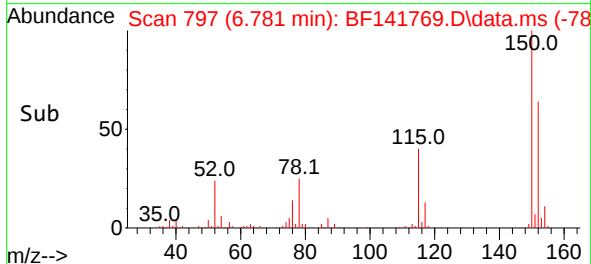
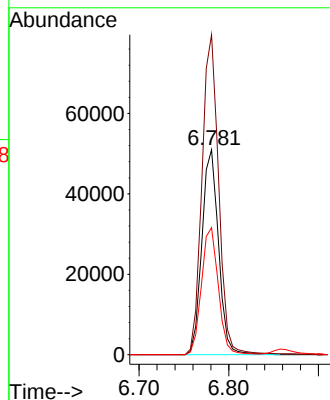
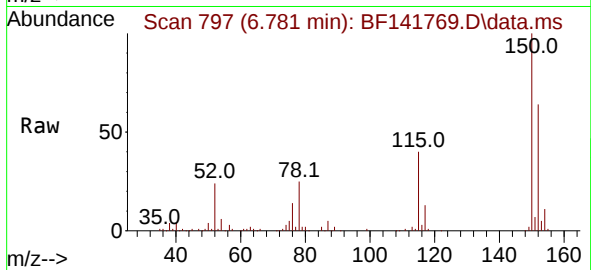




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141769.D
Acq: 25 Feb 2025 17:34

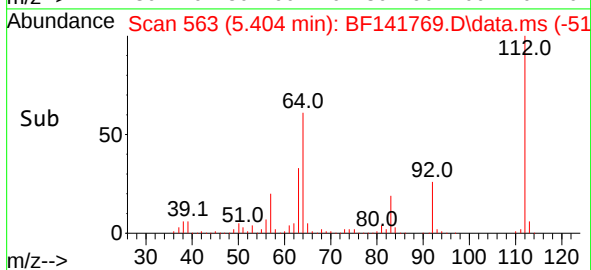
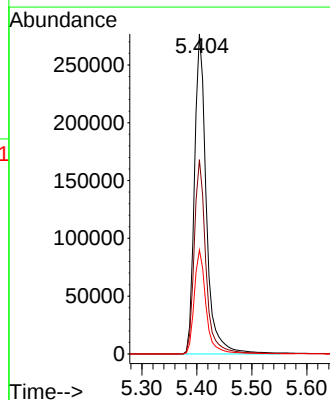
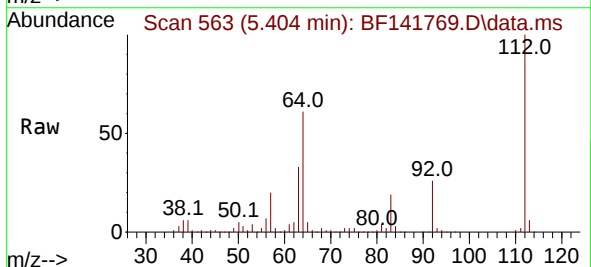
Instrument :
BNA_F
ClientSampleId :
B-163-SB01

Tgt Ion:152 Resp: 65687
Ion Ratio Lower Upper
152 100
150 156.1 125.0 187.4
115 62.0 53.6 80.4



#5
2-Fluorophenol
Concen: 99.380 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141769.D
Acq: 25 Feb 2025 17:34

Tgt Ion:112 Resp: 416394
Ion Ratio Lower Upper
112 100
64 60.7 51.1 76.7
63 32.5 28.4 42.6





#7
Phenol-d6
Concen: 93.056 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141769.D
Acq: 25 Feb 2025 17:34

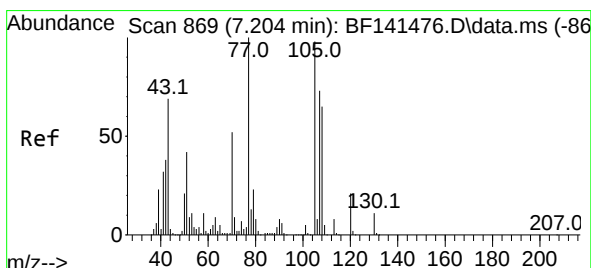
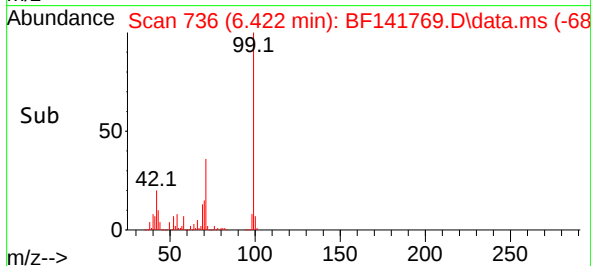
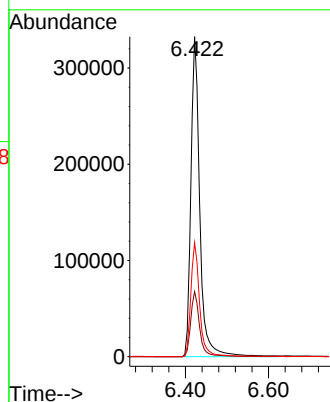
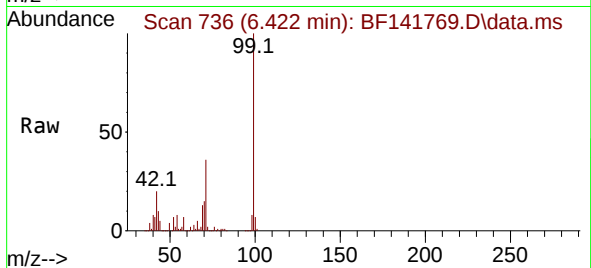
Instrument :

BNA_F

ClientSampleId :

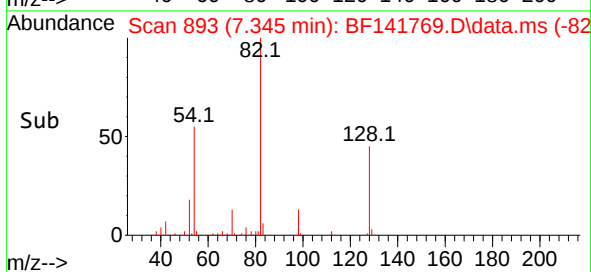
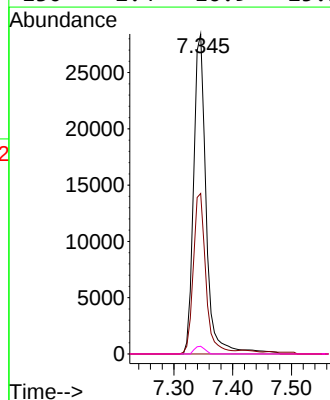
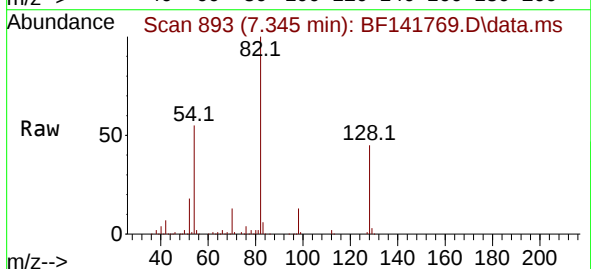
B-163-SB01

Tgt Ion: 99 Resp: 492798
Ion Ratio Lower Upper
99 100
42 20.4 19.1 28.7
71 35.6 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 13.331 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF141769.D
Acq: 25 Feb 2025 17:34

Tgt Ion: 70 Resp: 42227
Ion Ratio Lower Upper
70 100
42 50.1 57.4 86.2#
101 0.0 8.0 12.0#
130 2.4 16.9 25.3#

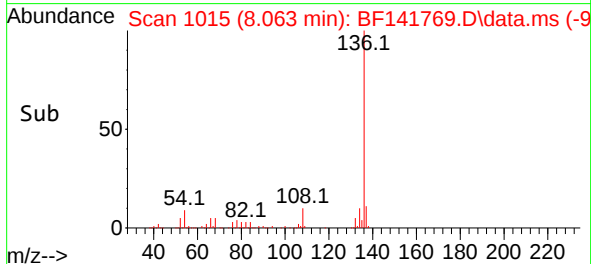
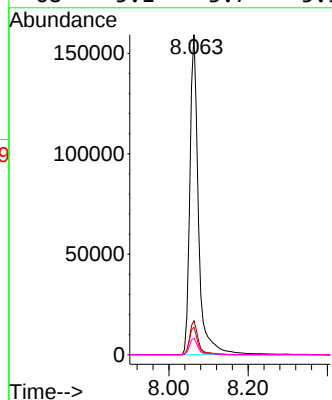
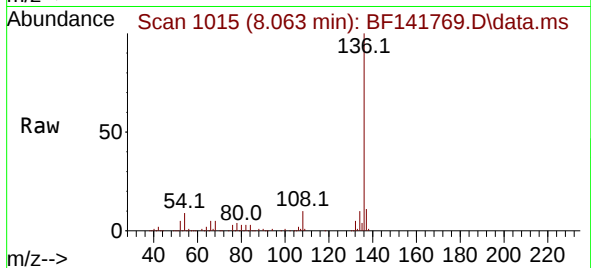




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF141769.D
Acq: 25 Feb 2025 17:34

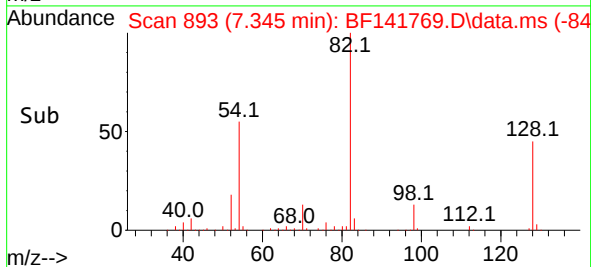
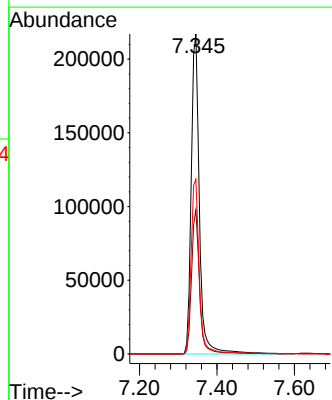
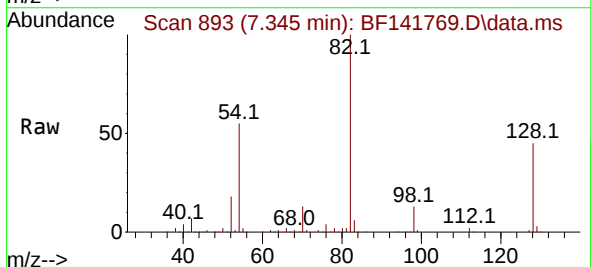
Instrument :
BNA_F
ClientSampleId :
B-163-SB01

Tgt Ion:136	Resp: 241105
Ion Ratio	Lower Upper
136 100	
137 10.6	8.6 13.0
54 8.6	7.2 10.8
68 5.1	3.7 5.5



#23
Nitrobenzene-d5
Concen: 68.908 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.017 min
Lab File: BF141769.D
Acq: 25 Feb 2025 17:34

Tgt Ion: 82	Resp: 318531
Ion Ratio	Lower Upper
82 100	
128 45.1	34.8 52.2
54 54.5	48.2 72.4

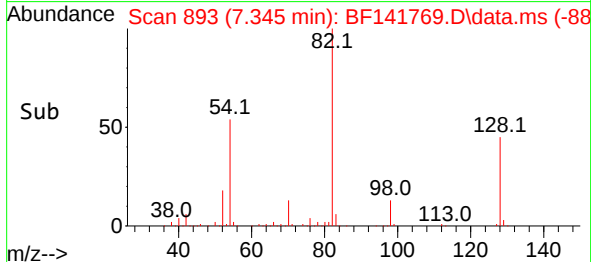
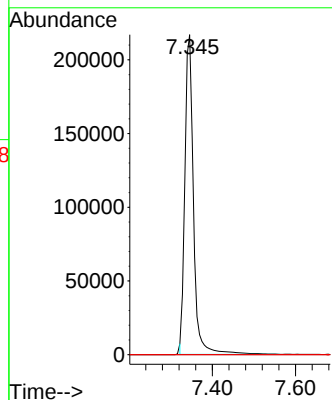
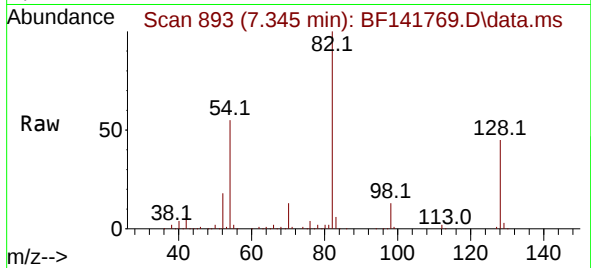




#25
Isophorone
Concen: 42.321 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF141769.D
Acq: 25 Feb 2025 17:34

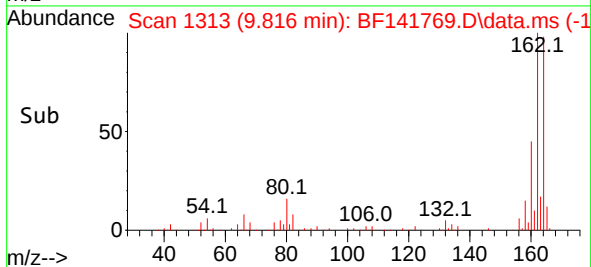
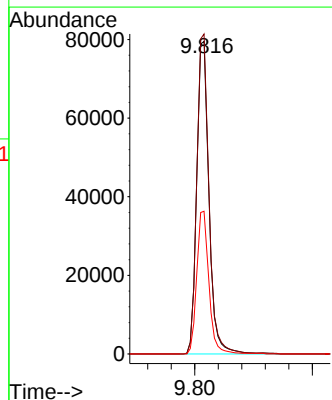
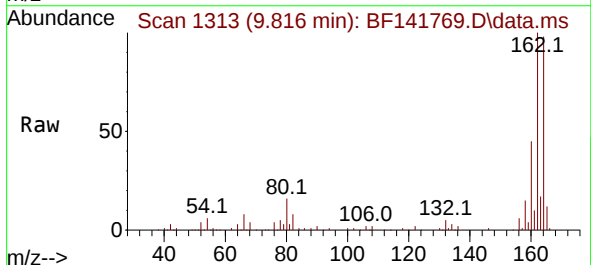
Instrument :
BNA_F
ClientSampleId :
B-163-SB01

Tgt Ion: 82 Resp: 311929
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1313
Delta R.T. -0.017 min
Lab File: BF141769.D
Acq: 25 Feb 2025 17:34

Tgt Ion:164 Resp: 115261
Ion Ratio Lower Upper
164 100
162 102.4 81.3 121.9
160 45.7 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 84.176 ng

RT: 10.604 min Scan# 1450

Delta R.T. -0.023 min

Lab File: BF141769.D

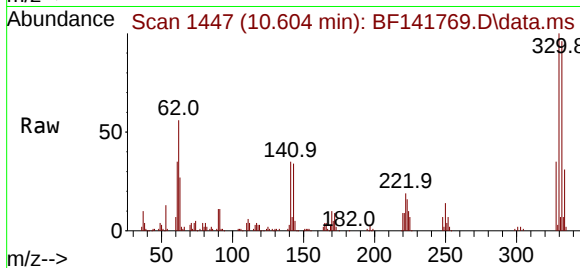
Acq: 25 Feb 2025 17:34

Instrument :

BNA_F

ClientSampleId :

B-163-SB01



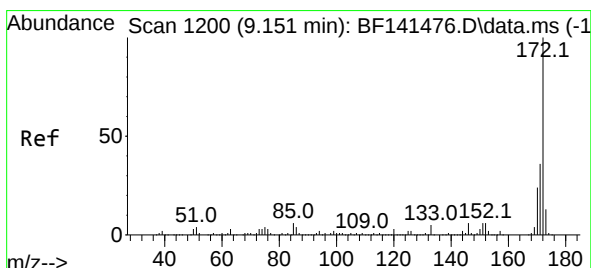
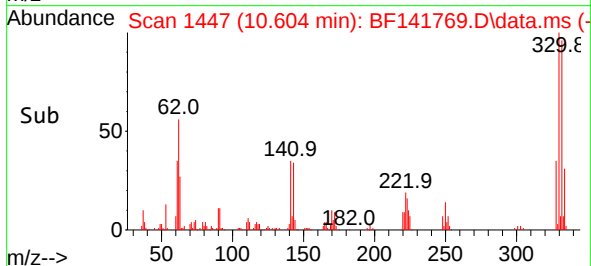
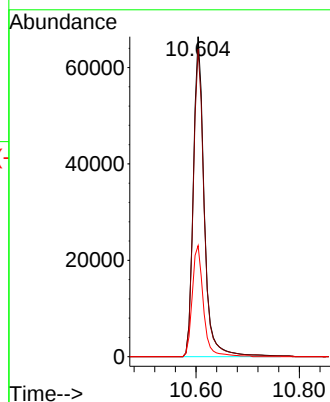
Tgt Ion:330 Resp: 97463

Ion Ratio Lower Upper

330 100

332 96.5 78.5 117.7

141 35.6 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 77.286 ng

RT: 9.134 min Scan# 1197

Delta R.T. -0.017 min

Lab File: BF141769.D

Acq: 25 Feb 2025 17:34

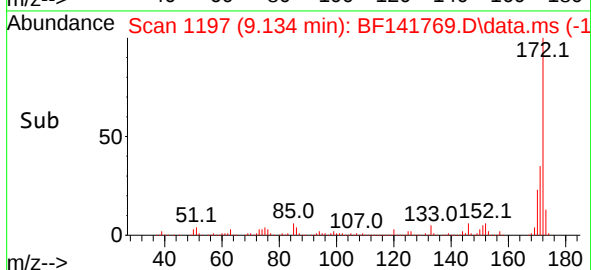
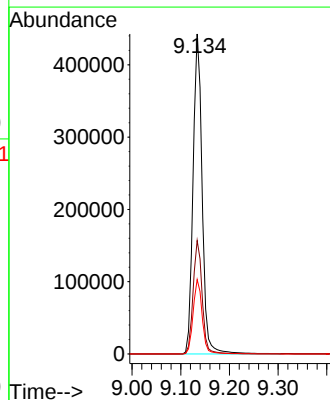
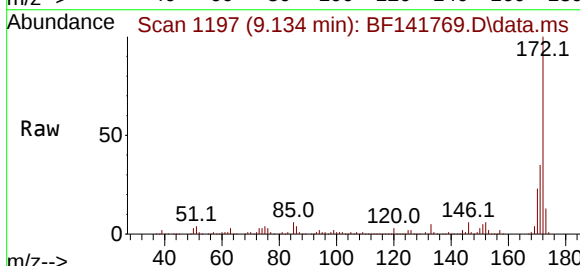
Tgt Ion:172 Resp: 578204

Ion Ratio Lower Upper

172 100

171 35.4 28.7 43.1

170 23.3 18.9 28.3

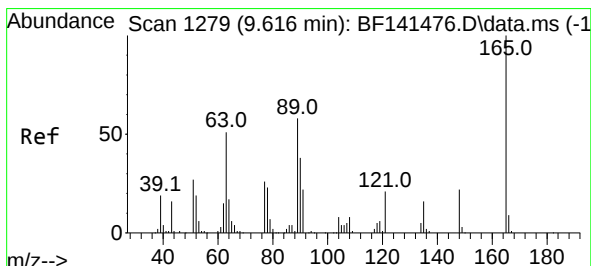
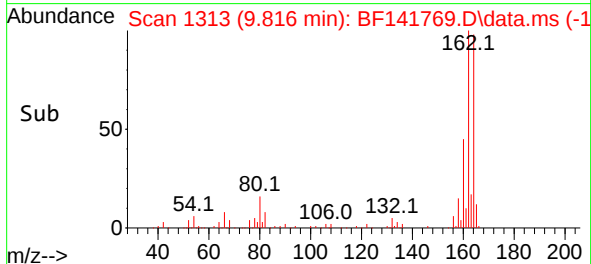
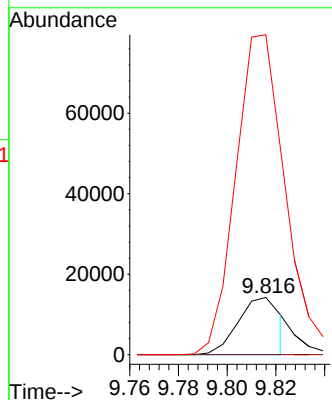
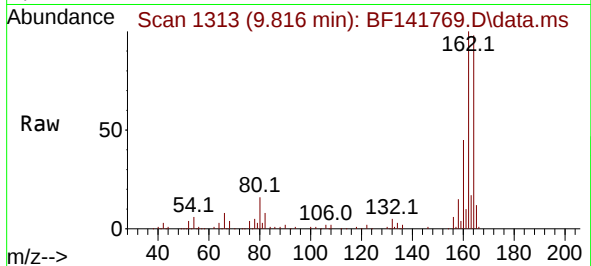




#50
Dimethylphthalate
Concen: 2.174 ng
RT: 9.816 min Scan# 1313
Delta R.T. 0.253 min
Lab File: BF141769.D
Acq: 25 Feb 2025 17:34

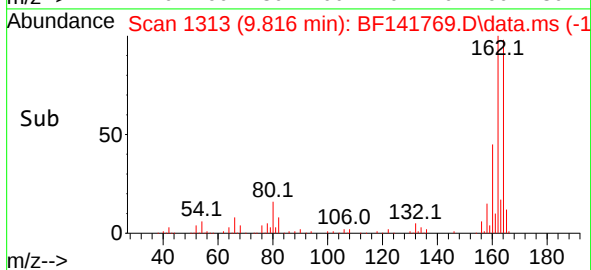
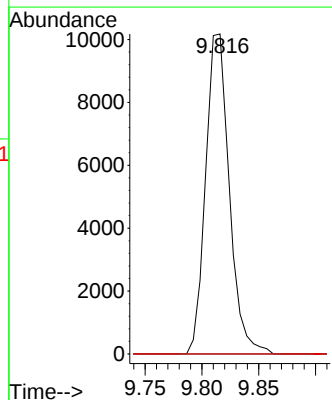
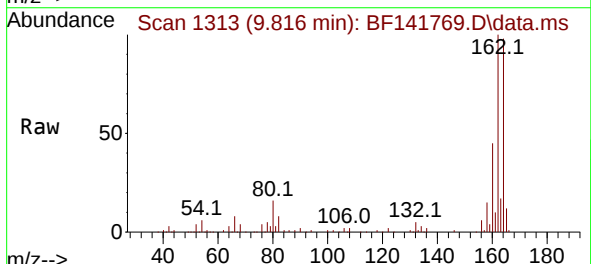
Instrument :
BNA_F
ClientSampleId :
B-163-SB01

Tgt Ion:163 Resp: 17010
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 558.8 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 8.633 ng
RT: 9.816 min Scan# 1313
Delta R.T. 0.194 min
Lab File: BF141769.D
Acq: 25 Feb 2025 17:34

Tgt Ion:165 Resp: 14767
Ion Ratio Lower Upper
165 100
63 0.0 49.4 74.0#
89 0.0 46.5 69.7#

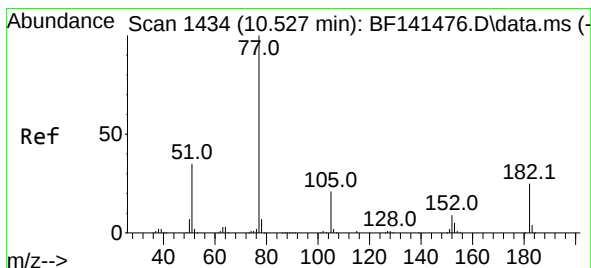
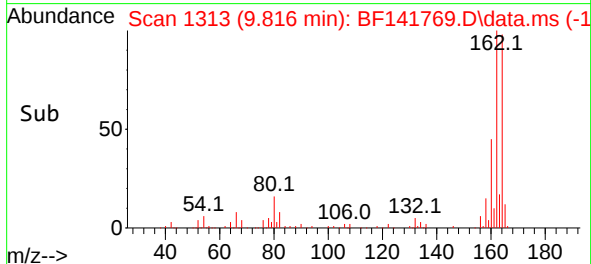
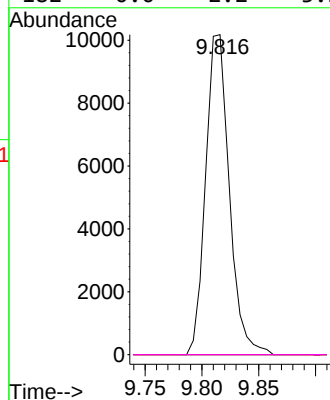
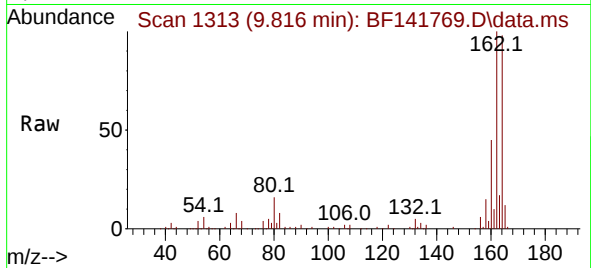




#57
2,4-Dinitrotoluene
Concen: 6.485 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF141769.D
Acq: 25 Feb 2025 17:34

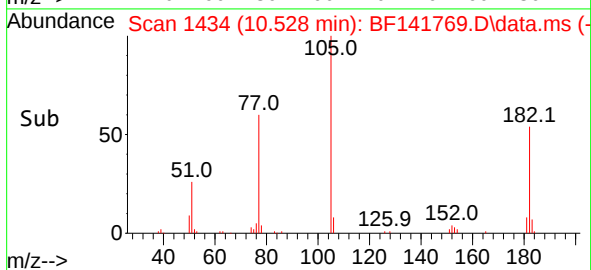
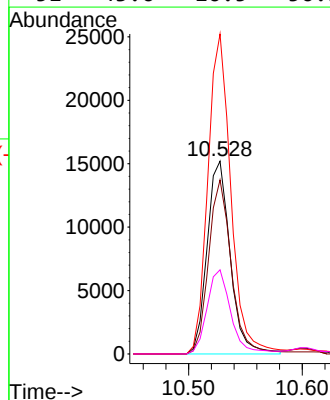
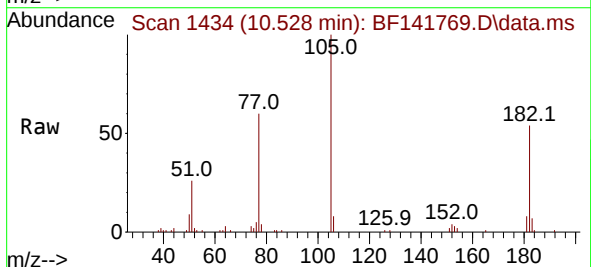
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BNA_F
ClientSampleId :
B-163-SB01

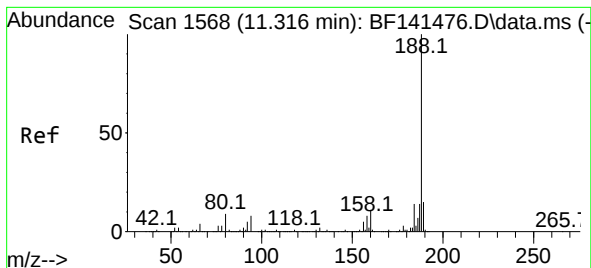
Tgt Ion:165 Resp: 14767
Ion Ratio Lower Upper
165 100
63 0.0 46.4 69.6#
89 0.0 61.8 92.6#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 2.811 ng
RT: 10.528 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF141769.D
Acq: 25 Feb 2025 17:34

Tgt Ion: 77 Resp: 21514
Ion Ratio Lower Upper
77 100
182 90.3 4.7 44.7#
105 166.0 0.4 40.4#
51 43.6 16.5 56.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 1

Delta R.T. -0.017 min

Lab File: BF141769.D

Acq: 25 Feb 2025 17:34

Instrument :

BNA_F

ClientSampleId :

B-163-SB01

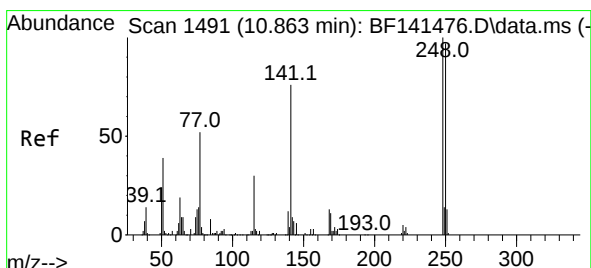
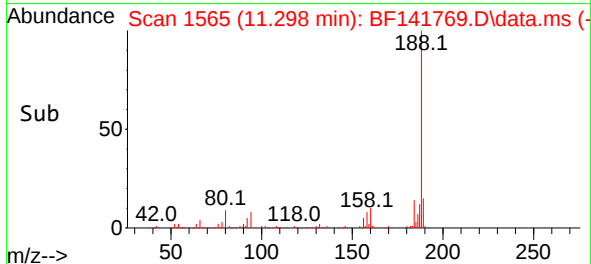
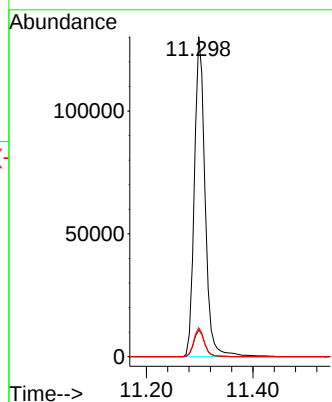
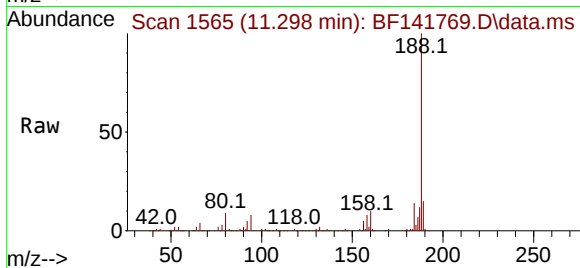
Tgt Ion:188 Resp: 181981

Ion Ratio Lower Upper

188 100

94 8.4 6.6 10.0

80 9.1 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 3.188 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.259 min

Lab File: BF141769.D

Acq: 25 Feb 2025 17:34

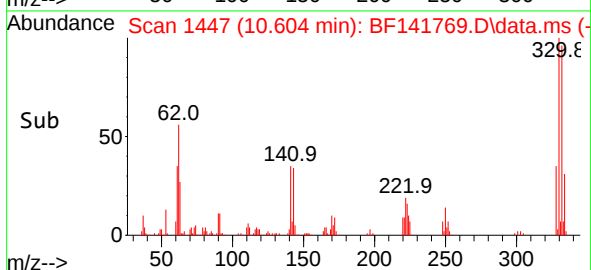
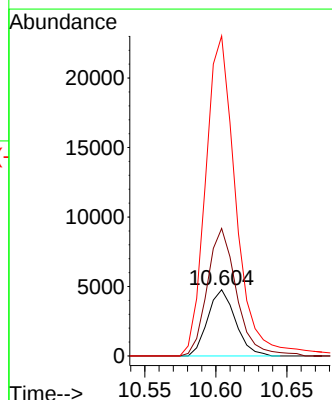
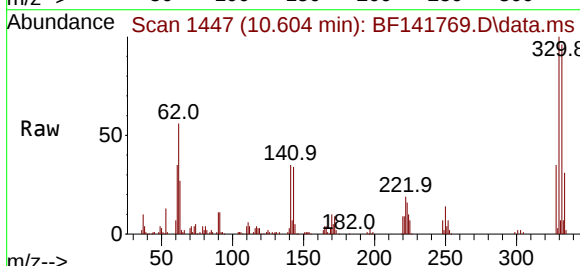
Tgt Ion:248 Resp: 6484

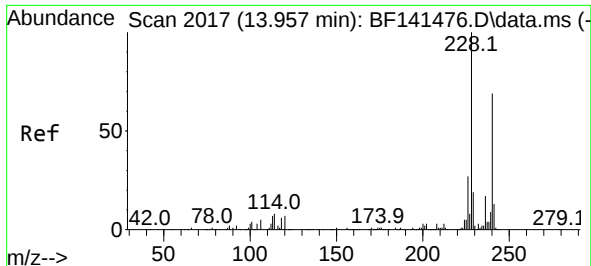
Ion Ratio Lower Upper

248 100

250 192.6 77.8 116.6#

141 483.2 60.6 90.8#

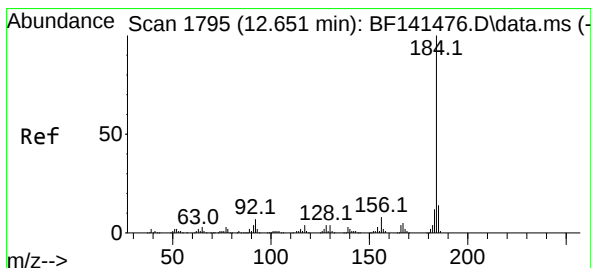
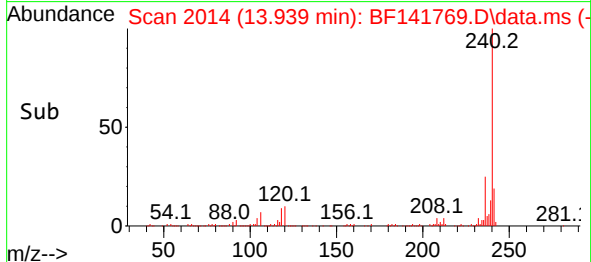
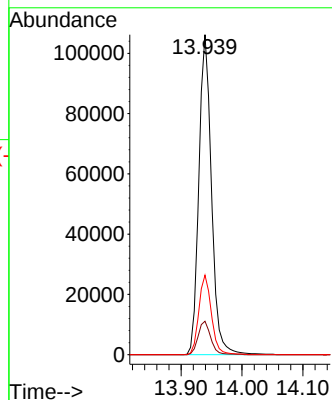
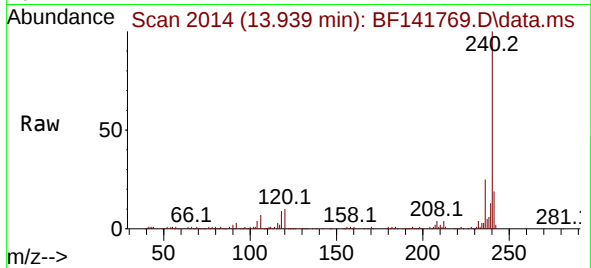




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 20
Delta R.T. -0.023 min
Lab File: BF141769.D
Acq: 25 Feb 2025 17:34

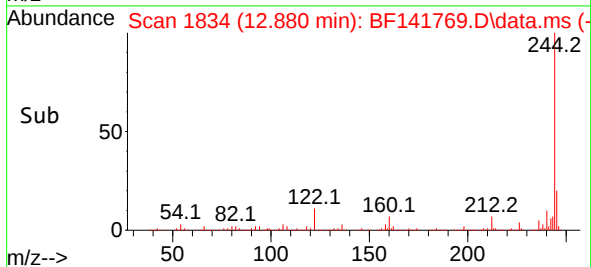
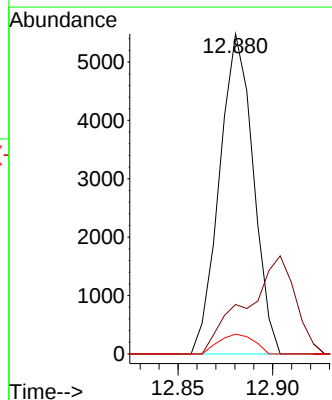
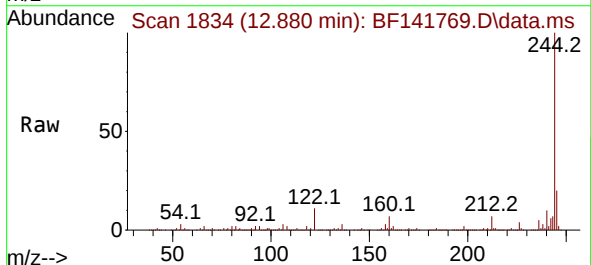
Instrument :
BNA_F
ClientSampleId :
B-163-SB01

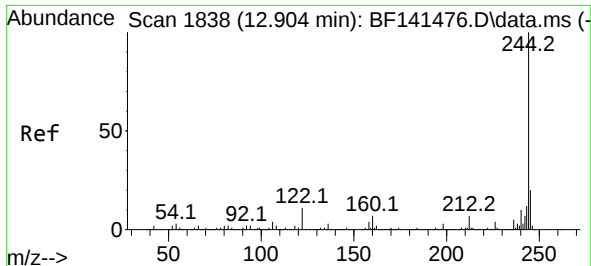
Tgt Ion:240 Resp: 152705
Ion Ratio Lower Upper
240 100
120 10.4 8.0 12.0
236 24.9 19.8 29.8



#77
Benzidine
Concen: 2.021 ng
RT: 12.880 min Scan# 1834
Delta R.T. 0.224 min
Lab File: BF141769.D
Acq: 25 Feb 2025 17:34

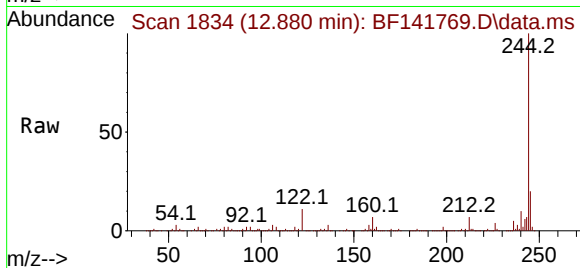
Tgt Ion:184 Resp: 6808
Ion Ratio Lower Upper
184 100
185 15.4 11.3 16.9
183 6.2 9.3 13.9#



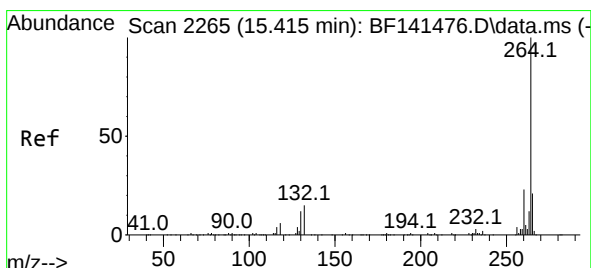
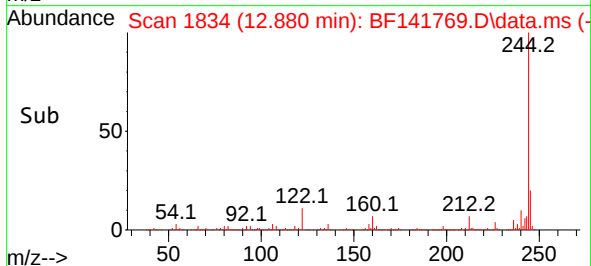
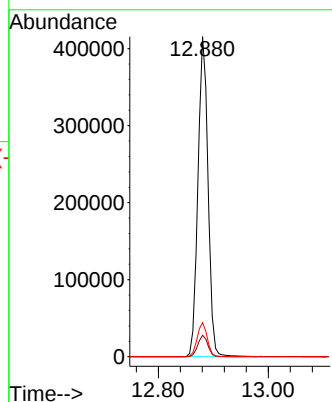


#79
 Terphenyl-d14
 Concen: 58.534 ng
 RT: 12.880 min Scan# 11
 Delta R.T. -0.023 min
 Lab File: BF141769.D
 Acq: 25 Feb 2025 17:34

Instrument :
 BNA_F
 ClientSampleId :
 B-163-SB01



Tgt Ion:244 Resp: 529478
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 10.7 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.380 min Scan# 2259
 Delta R.T. -0.035 min
 Lab File: BF141769.D
 Acq: 25 Feb 2025 17:34

Tgt Ion:264 Resp: 176440
 Ion Ratio Lower Upper
 264 100
 260 22.0 18.6 28.0
 265 19.9 17.0 25.4

