

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010825\
 Data File : BF141081.D
 Acq On : 08 Jan 2025 13:58
 Operator : RC/JU
 Sample : PB165973TB
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB165973TB

Quant Time: Jan 08 14:26:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 Response via : Initial Calibration

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

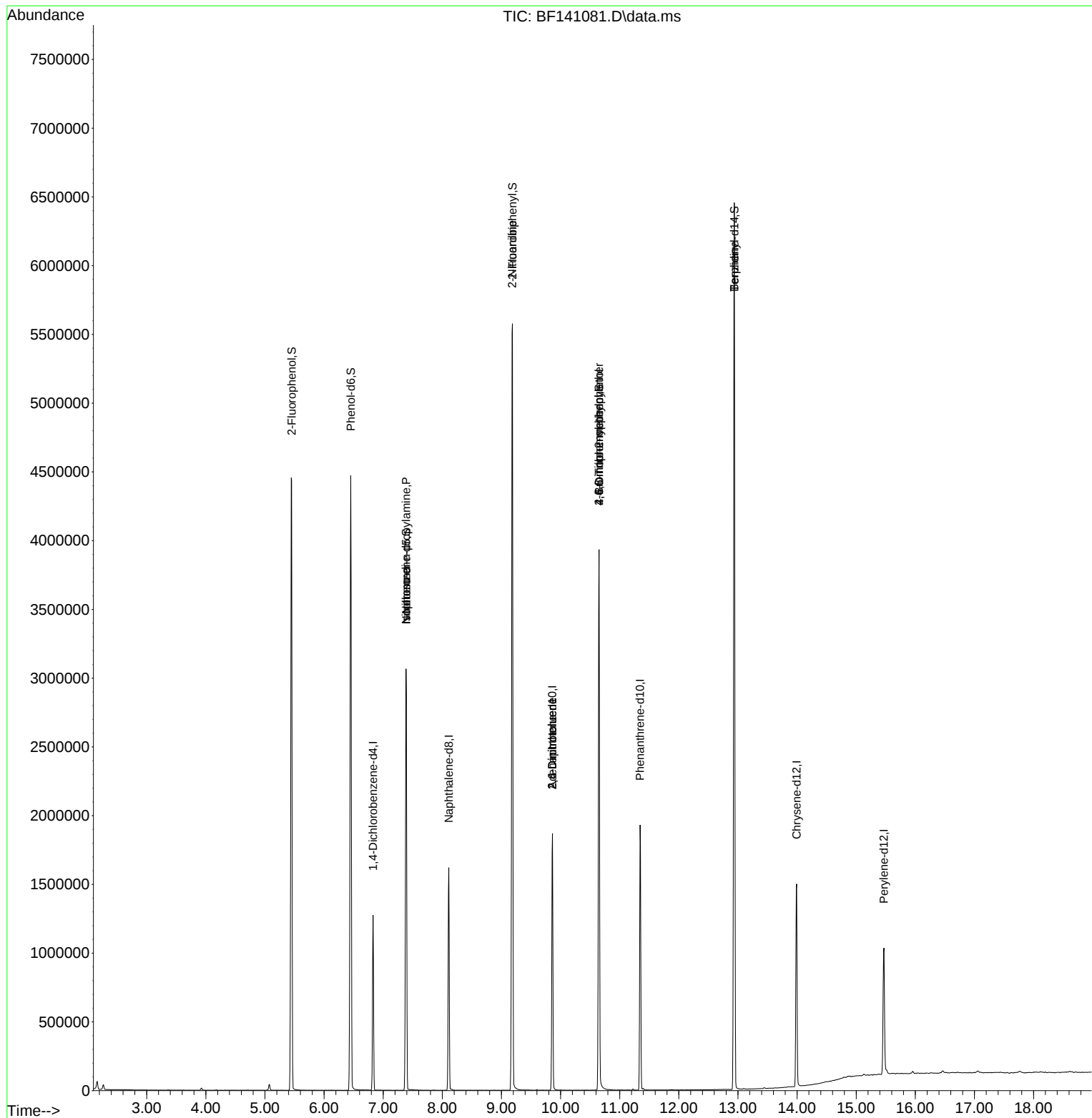
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	258508	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	1038143	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	573181	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	970542	20.000	ng	0.00
76) Chrysene-d12	13.992	240	735136	20.000	ng	0.00
86) Perylene-d12	15.468	264	579900	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	1874428	109.299	ng	0.02
7) Phenol-d6	6.451	99	2365031	107.052	ng	0.00
23) Nitrobenzene-d5	7.387	82	1512342	93.201	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	769339	138.131	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	2686986	74.689	ng	0.00
79) Terphenyl-d14	12.939	244	3346454	75.611	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.451	77	3588	Below Cal	#	2
19) n-Nitroso-di-n-propyla...	7.387	70	201923	14.919	ng	# 78
25) Isophorone	7.387	82	1486194	42.090	ng	# 65
48) 2-Nitroaniline	9.181	65	4480	5.098	ng	# 1
51) 2,6-Dinitrotoluene	9.863	165	74276	12.579	ng	# 23
57) 2,4-Dinitrotoluene	9.863	165	74277	11.654	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.651	198	1449	9.645	ng	# 1
67) 4-Bromophenyl-phenylether	10.651	248	46035	4.388	ng	# 1
77) Benzidine	12.939	184	42463	2.733	ng	# 90

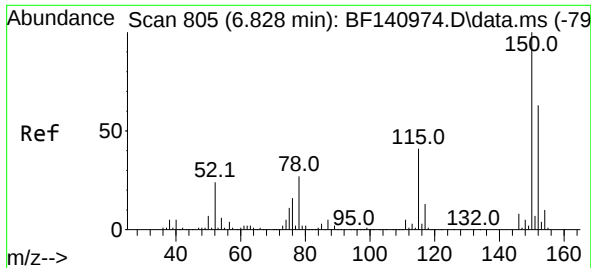
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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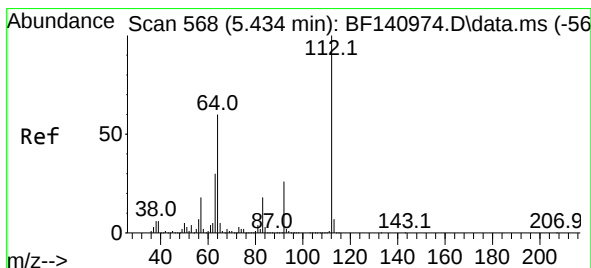
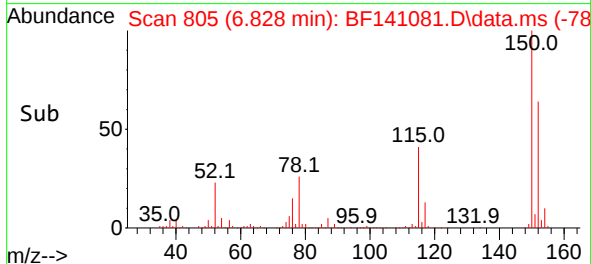
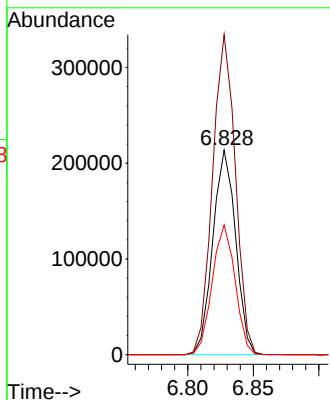
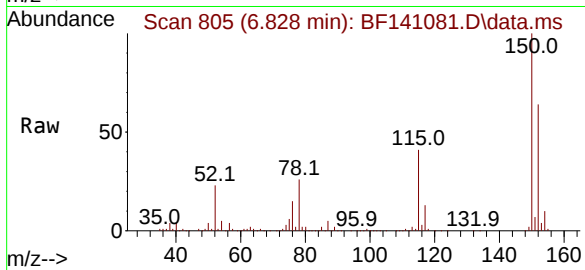




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF141081.D
Acq: 08 Jan 2025 13:58

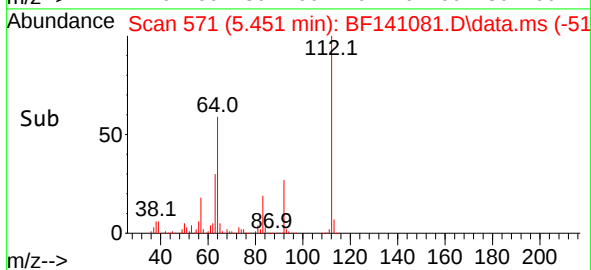
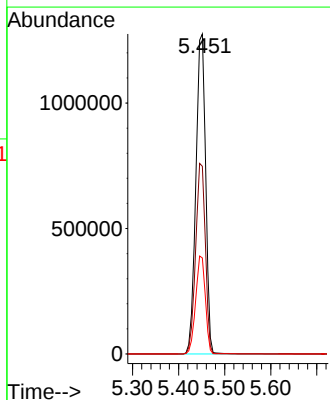
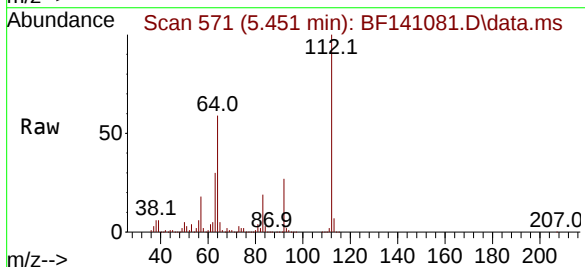
Instrument :
BNA_F
ClientSampleId :
PB165973TB

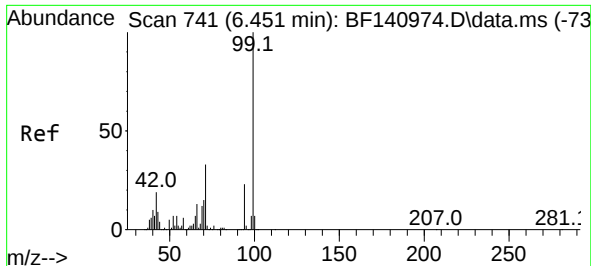
Tgt Ion:152 Resp: 258508
Ion Ratio Lower Upper
152 100
150 156.3 127.0 190.6
115 63.4 51.7 77.5



#5
2-Fluorophenol
Concen: 109.299 ng
RT: 5.451 min Scan# 571
Delta R.T. 0.018 min
Lab File: BF141081.D
Acq: 08 Jan 2025 13:58

Tgt Ion:112 Resp: 1874428
Ion Ratio Lower Upper
112 100
64 58.6 47.7 71.5
63 30.0 24.2 36.2



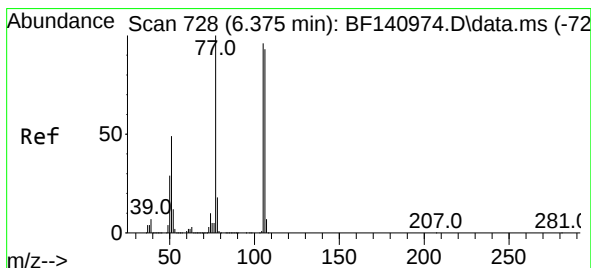
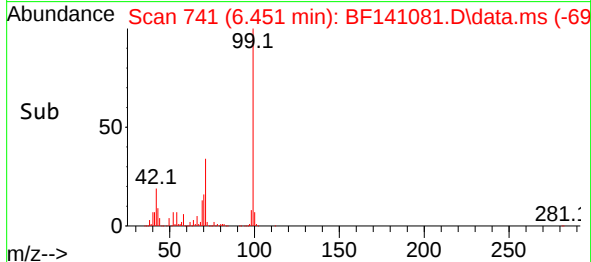
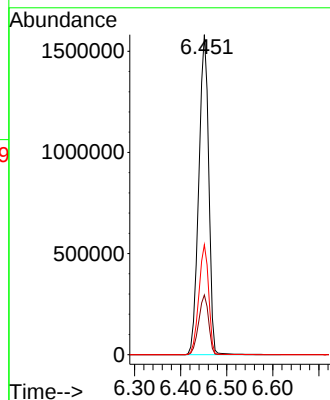
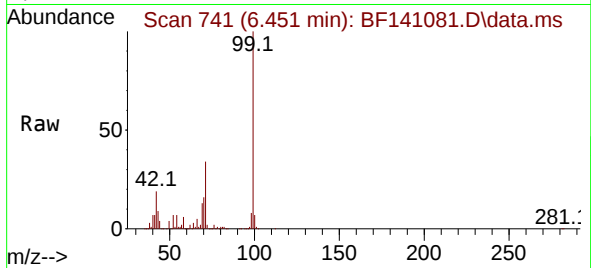


#7
Phenol-d6
Concen: 107.052 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF141081.D
Acq: 08 Jan 2025 13:58

Instrument :
BNA_F
ClientSampleId :
PB165973TB

Tgt Ion: 99 Resp: 2365031

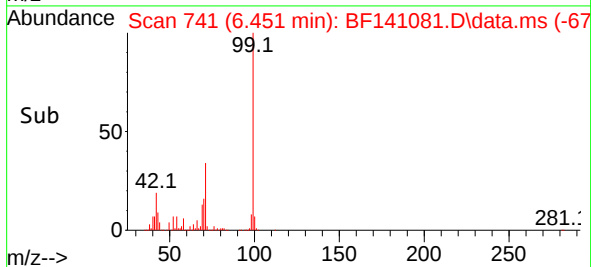
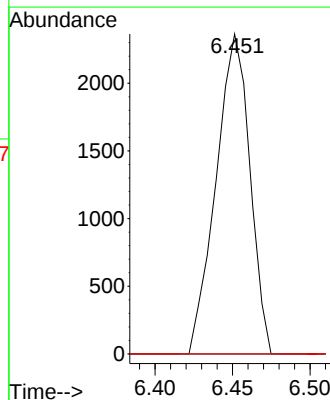
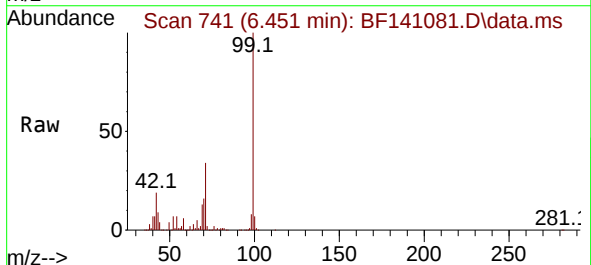
Ion	Ratio	Lower	Upper
99	100		
42	18.7	15.0	22.4
71	34.3	26.2	39.2

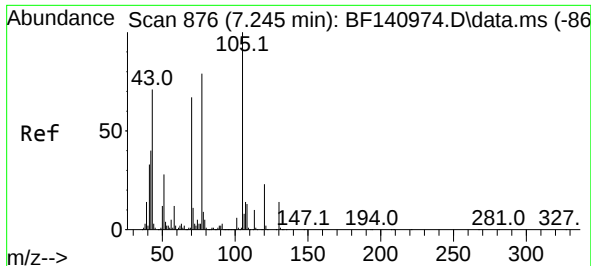


#9
Benzaldehyde
Concen: Below Cal
RT: 6.451 min Scan# 741
Delta R.T. 0.076 min
Lab File: BF141081.D
Acq: 08 Jan 2025 13:58

Tgt Ion: 77 Resp: 3588

Ion	Ratio	Lower	Upper
77	100		
105	0.0	76.2	116.2#
106	0.0	73.4	113.4#





#19

n-Nitroso-di-n-propylamine

Concen: 14.919 ng

RT: 7.387 min Scan# 90

Delta R.T. 0.141 min

Lab File: BF141081.D

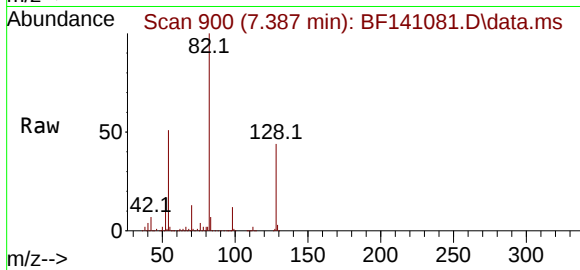
Acq: 08 Jan 2025 13:58

Instrument :

BNA_F

ClientSampleId :

PB165973TB



Tgt Ion: 70 Resp: 201923

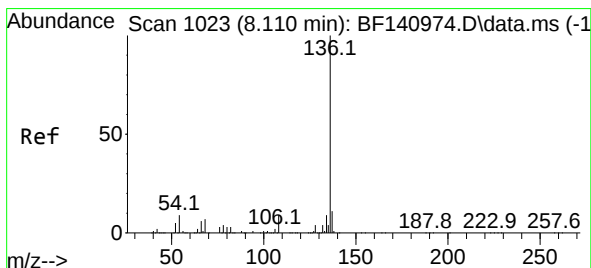
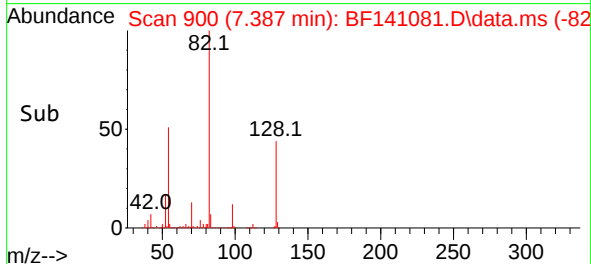
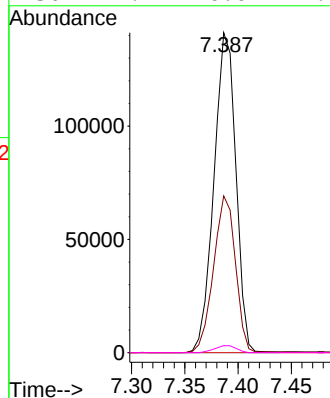
Ion Ratio Lower Upper

70 100

42 49.0 48.1 72.1

101 0.0 7.6 11.4#

130 2.2 16.6 24.8#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.000 min

Lab File: BF141081.D

Acq: 08 Jan 2025 13:58

Tgt Ion: 136 Resp: 1038143

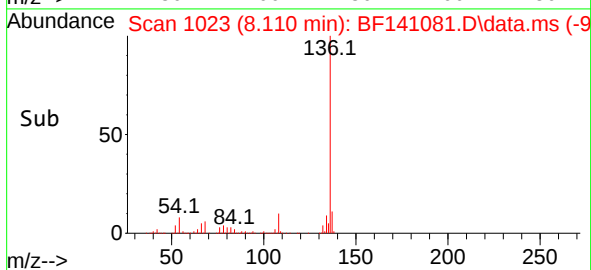
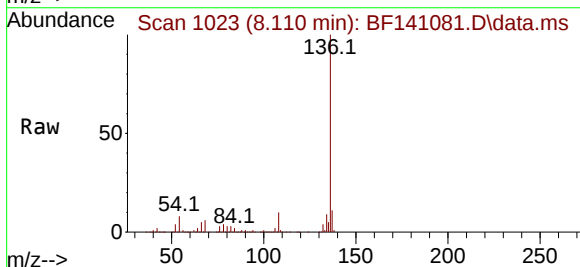
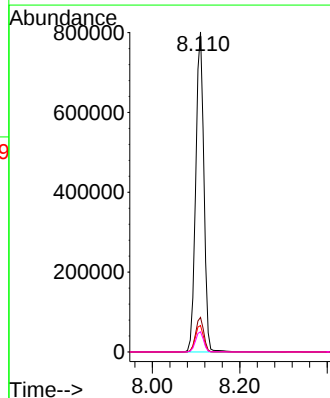
Ion Ratio Lower Upper

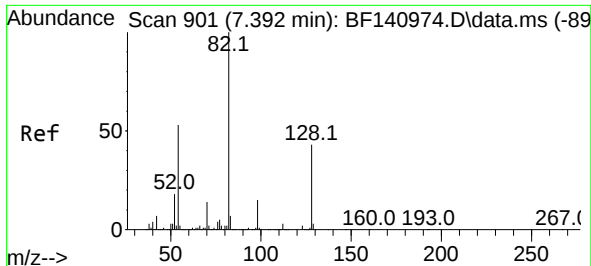
136 100

137 10.8 9.0 13.4

54 8.2 7.6 11.4

68 6.3 5.6 8.4

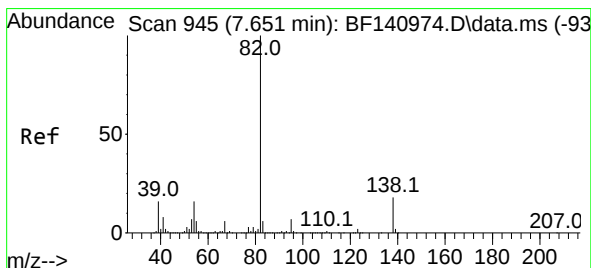
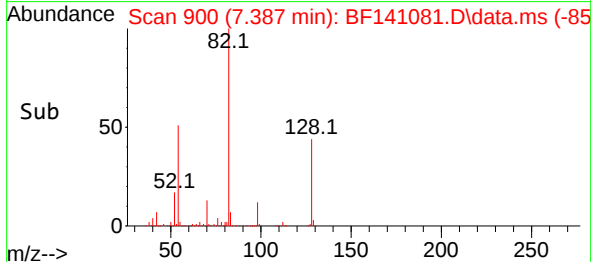
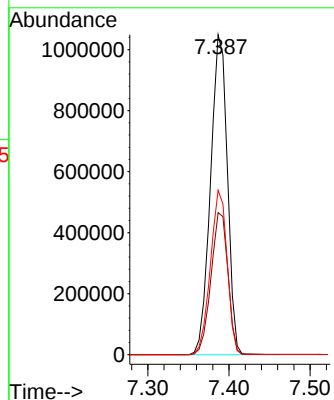
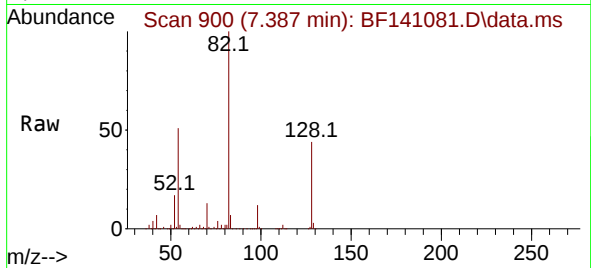




#23
Nitrobenzene-d5
Concen: 93.201 ng
RT: 7.387 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF141081.D
Acq: 08 Jan 2025 13:58

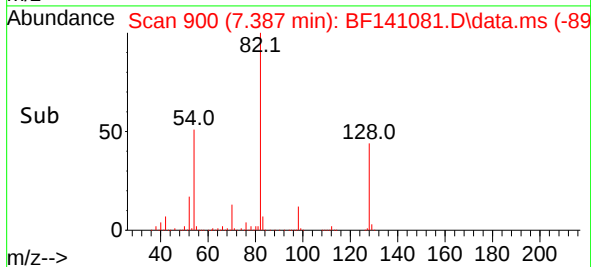
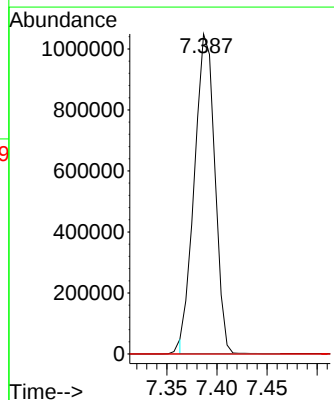
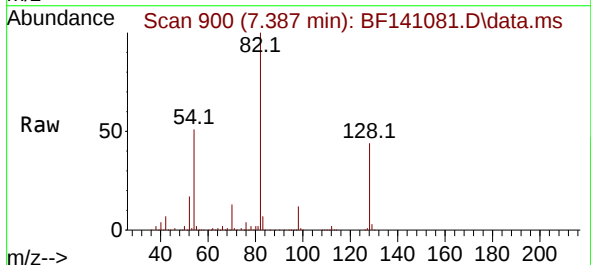
Instrument :
BNA_F
ClientSampleId :
PB165973TB

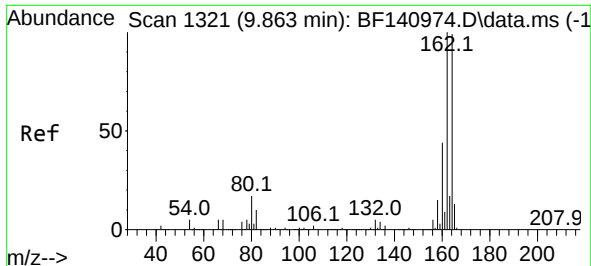
Tgt Ion: 82 Resp: 1512342
Ion Ratio Lower Upper
82 100
128 44.4 34.4 51.6
54 51.3 42.4 63.6



#25
Isophorone
Concen: 42.090 ng
RT: 7.387 min Scan# 900
Delta R.T. -0.265 min
Lab File: BF141081.D
Acq: 08 Jan 2025 13:58

Tgt Ion: 82 Resp: 1486194
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 21.8#

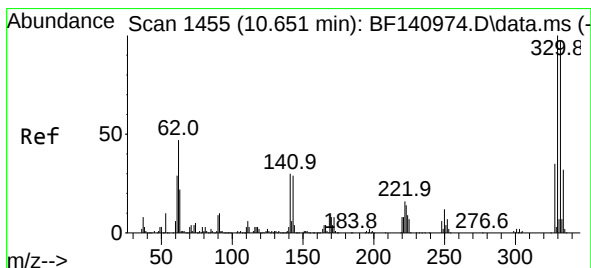
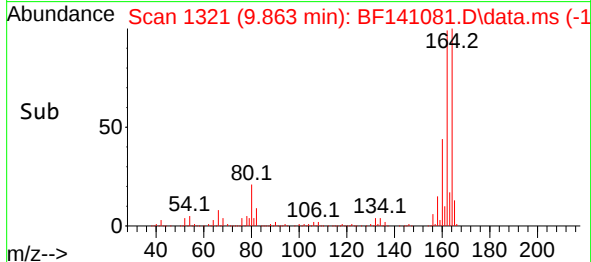
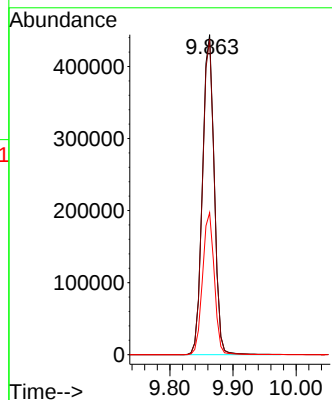
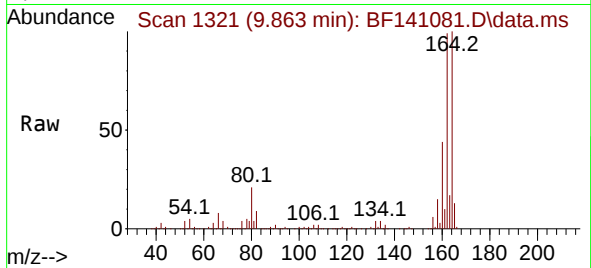




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141081.D
Acq: 08 Jan 2025 13:58

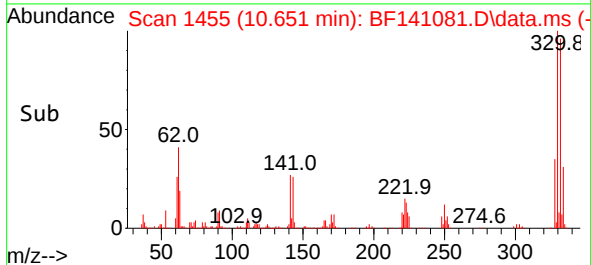
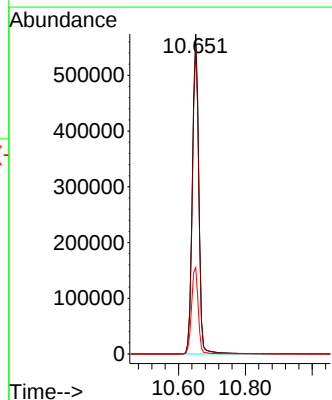
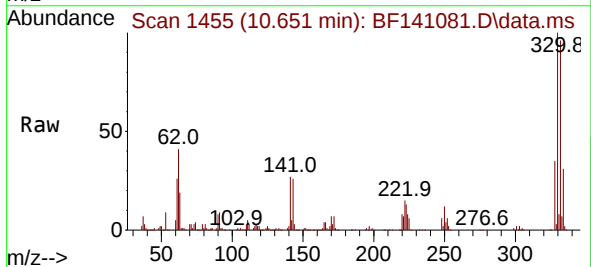
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ClientSampleId :
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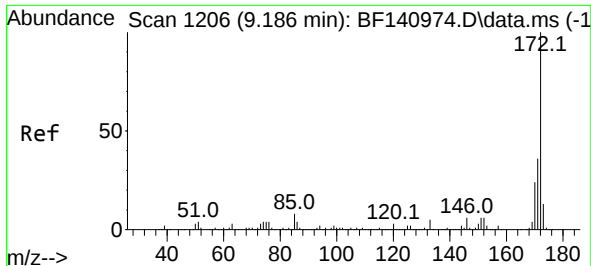
Tgt Ion:164 Resp: 573181
Ion Ratio Lower Upper
164 100
162 98.6 80.6 120.8
160 44.4 35.7 53.5



#42
2,4,6-Tribromophenol
Concen: 138.131 ng
RT: 10.651 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF141081.D
Acq: 08 Jan 2025 13:58

Tgt Ion:330 Resp: 769339
Ion Ratio Lower Upper
330 100
332 95.8 78.0 117.0
141 28.2 26.4 39.6





#45

2-Fluorobiphenyl

Concen: 74.689 ng

RT: 9.186 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF141081.D

Acq: 08 Jan 2025 13:58

Instrument :

BNA_F

ClientSampleId :

PB165973TB

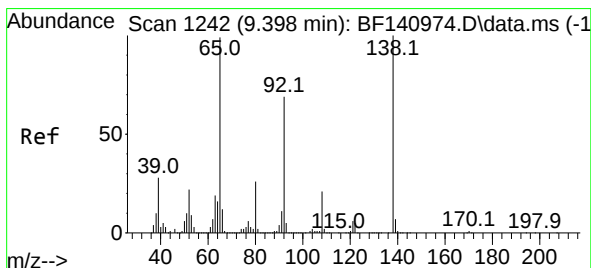
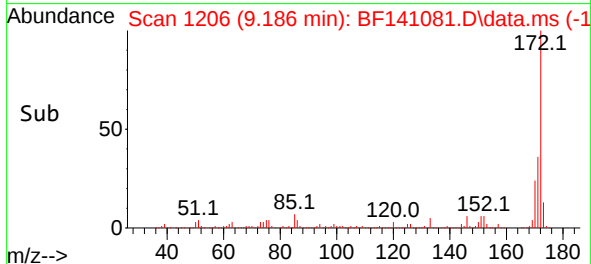
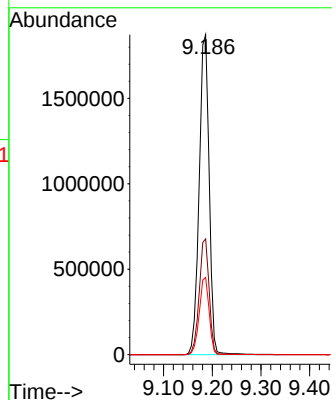
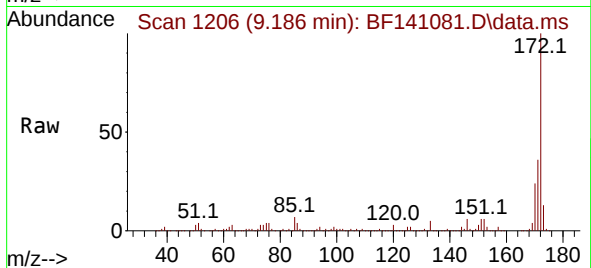
Tgt Ion:172 Resp: 2686986

Ion Ratio Lower Upper

172 100

171 36.2 29.0 43.4

170 24.2 19.6 29.4



#48

2-Nitroaniline

Concen: 5.098 ng

RT: 9.181 min Scan# 1205

Delta R.T. -0.217 min

Lab File: BF141081.D

Acq: 08 Jan 2025 13:58

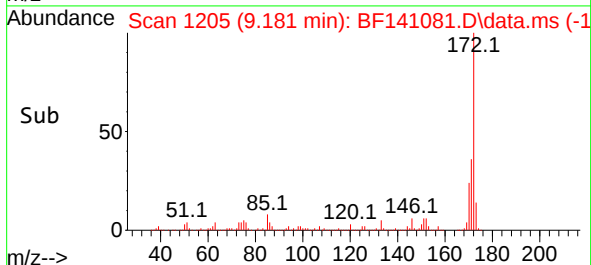
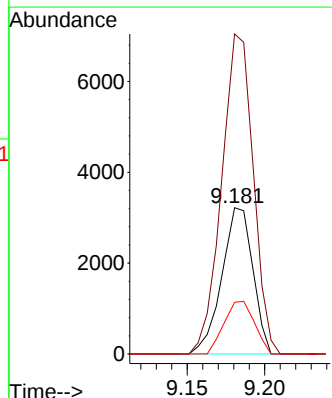
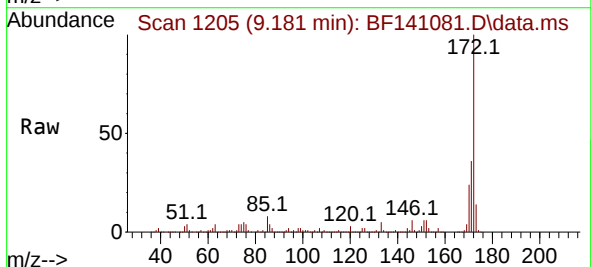
Tgt Ion: 65 Resp: 4480

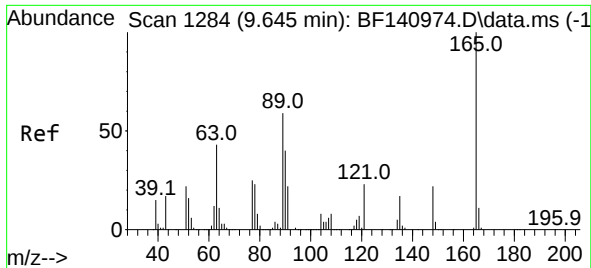
Ion Ratio Lower Upper

65 100

92 218.9 55.6 83.4#

138 35.4 80.5 120.7#

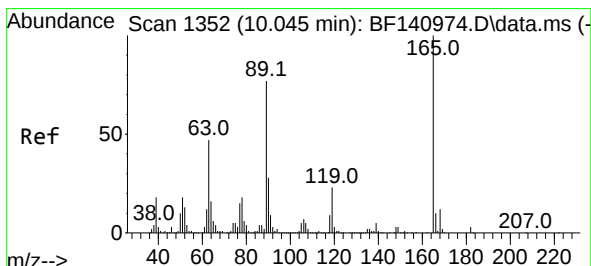
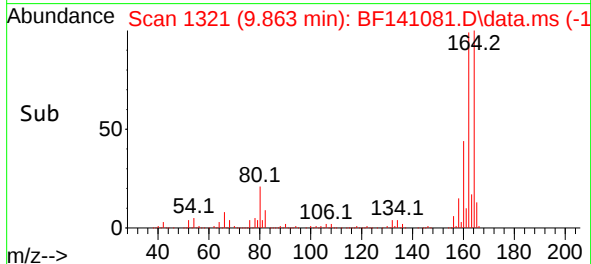
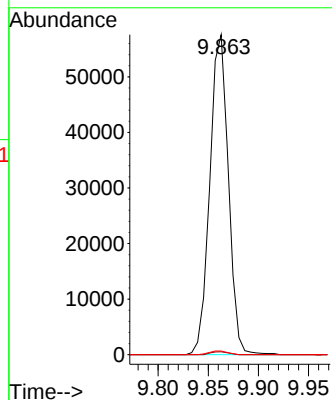
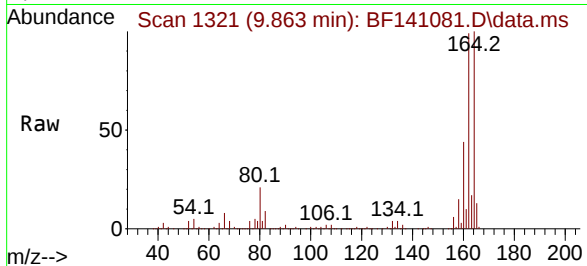




#51
2,6-Dinitrotoluene
Concen: 12.579 ng
RT: 9.863 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF141081.D
Acq: 08 Jan 2025 13:58

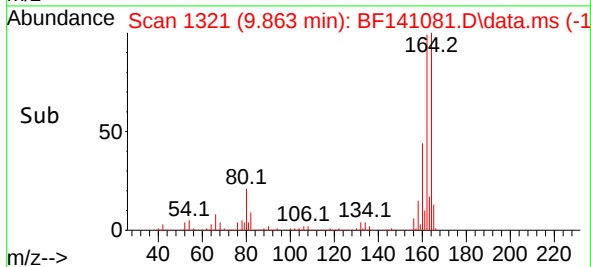
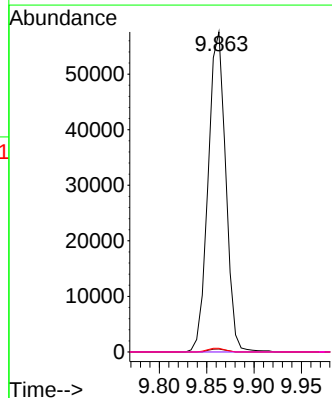
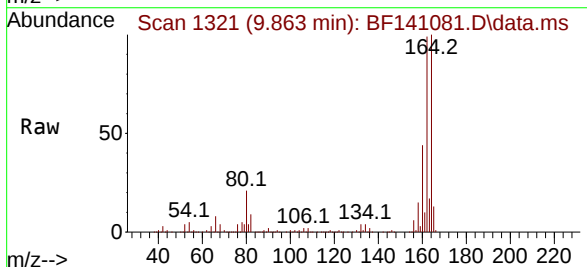
Instrument :
BNA_F
ClientSampleId :
PB165973TB

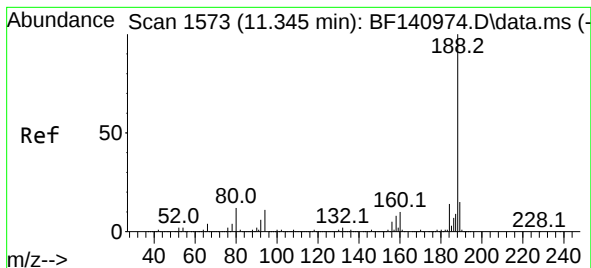
Tgt Ion:165 Resp: 74276
Ion Ratio Lower Upper
165 100
63 0.9 47.1 70.7#
89 1.1 47.0 70.4#



#57
2,4-Dinitrotoluene
Concen: 11.654 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.182 min
Lab File: BF141081.D
Acq: 08 Jan 2025 13:58

Tgt Ion:165 Resp: 74277
Ion Ratio Lower Upper
165 100
63 0.9 38.1 57.1#
89 1.1 61.4 92.2#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.345 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF141081.D

Acq: 08 Jan 2025 13:58

Instrument :

BNA_F

ClientSampleId :

PB165973TB

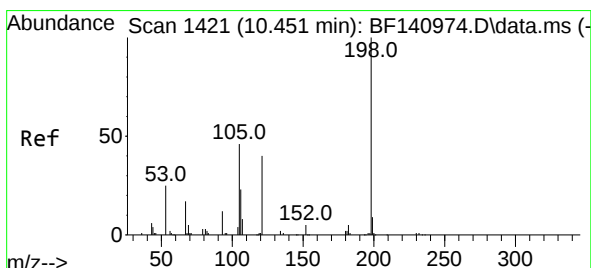
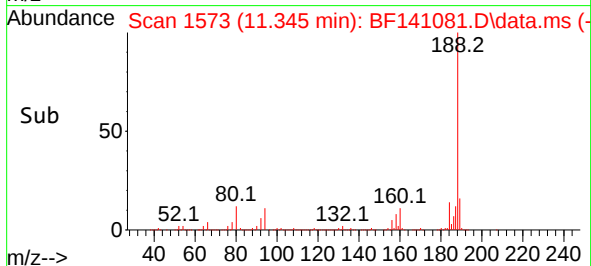
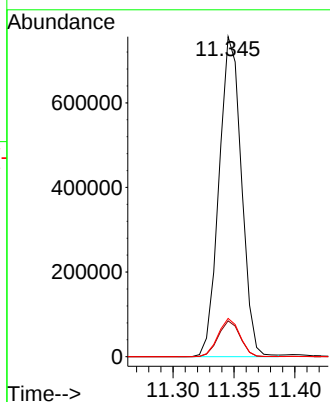
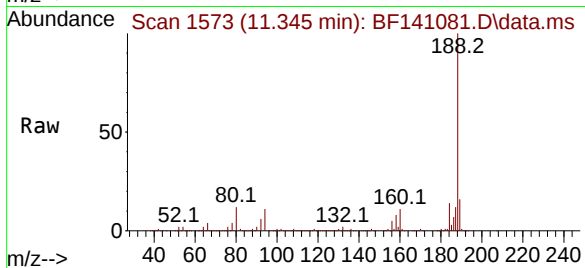
Tgt Ion:188 Resp: 970542

Ion Ratio Lower Upper

188 100

94 11.2 9.0 13.6

80 12.0 9.8 14.6



#65

4,6-Dinitro-2-methylphenol

Concen: 9.645 ng

RT: 10.651 min Scan# 1455

Delta R.T. 0.200 min

Lab File: BF141081.D

Acq: 08 Jan 2025 13:58

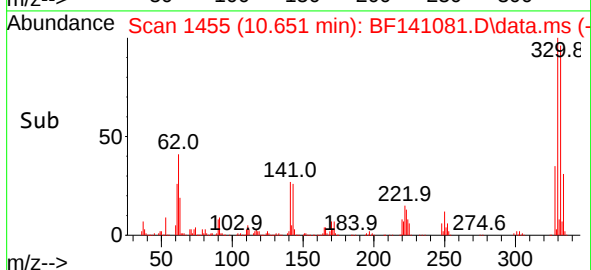
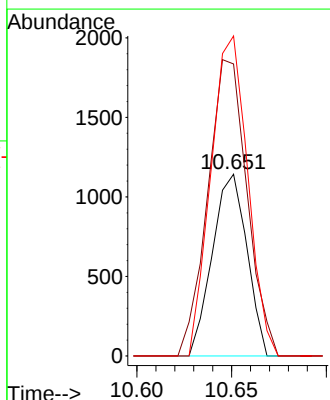
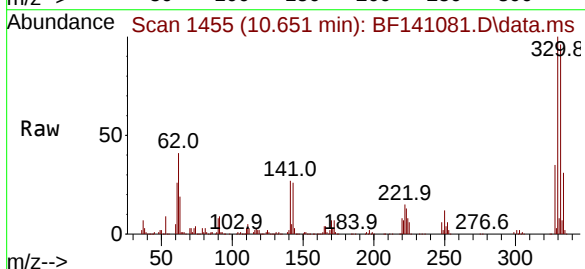
Tgt Ion:198 Resp: 1449

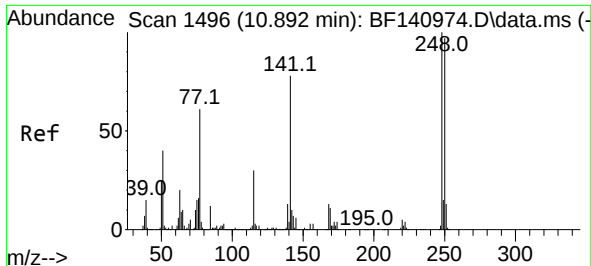
Ion Ratio Lower Upper

198 100

51 160.6 32.3 72.3#

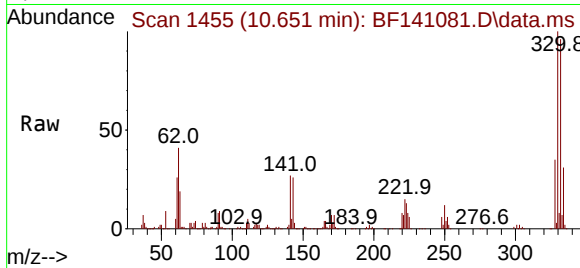
105 176.0 28.4 68.4#



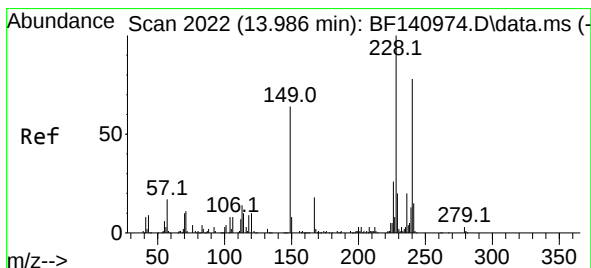
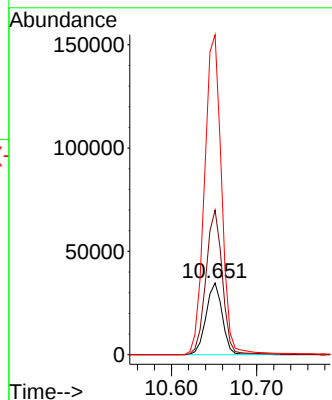
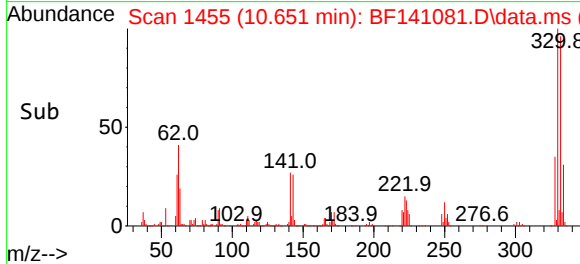


#67
4-Bromophenyl-phenylether
Concen: 4.388 ng
RT: 10.651 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF141081.D
Acq: 08 Jan 2025 13:58

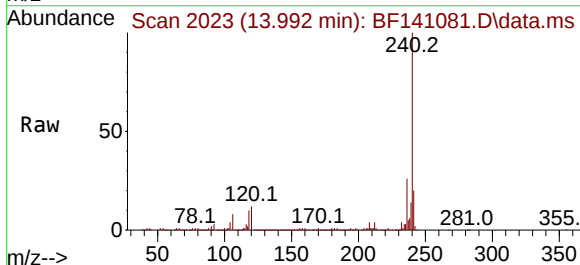
Instrument :
BNA_F
ClientSampleId :
PB165973TB



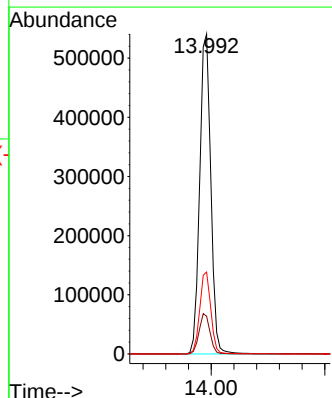
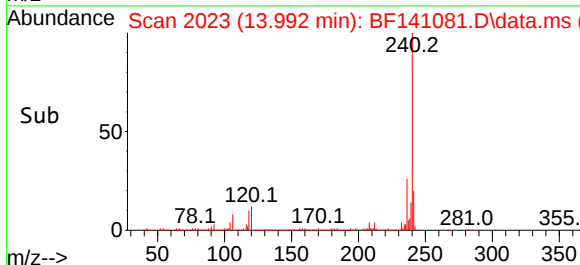
Tgt Ion:248 Resp: 46035
Ion Ratio Lower Upper
248 100
250 201.6 77.7 116.5#
141 445.9 62.1 93.1#

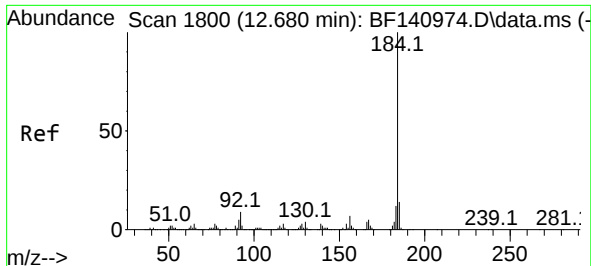


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.006 min
Lab File: BF141081.D
Acq: 08 Jan 2025 13:58



Tgt Ion:240 Resp: 735136
Ion Ratio Lower Upper
240 100
120 11.8 10.7 16.1
236 25.6 20.6 31.0

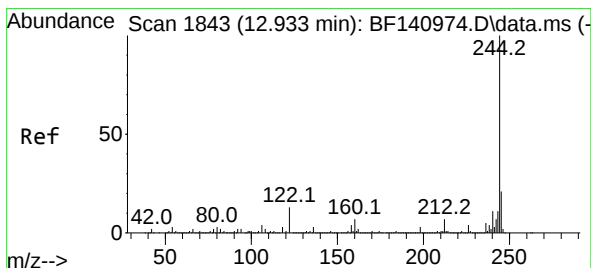
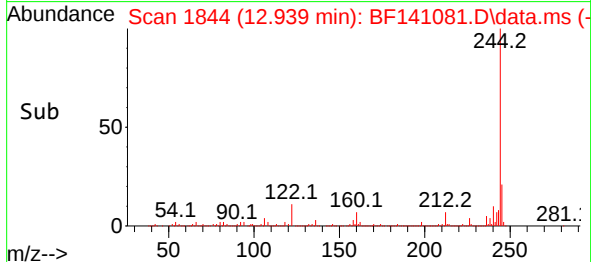
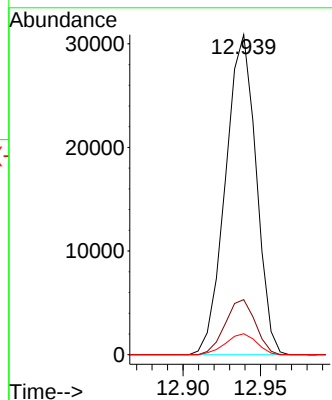
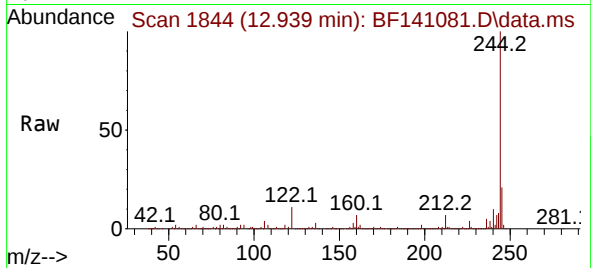




#77
Benzidine
Concen: 2.733 ng
RT: 12.939 min Scan# 1844
Delta R.T. 0.259 min
Lab File: BF141081.D
Acq: 08 Jan 2025 13:58

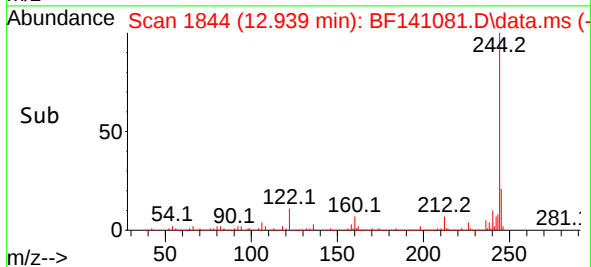
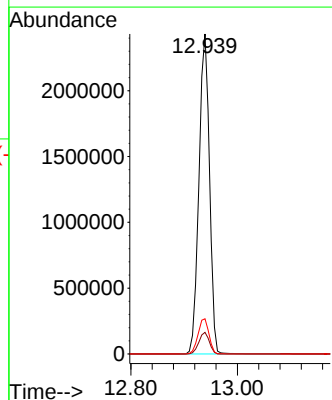
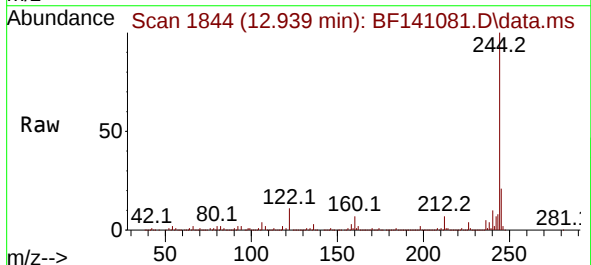
Instrument :
BNA_F
ClientSampleId :
PB165973TB

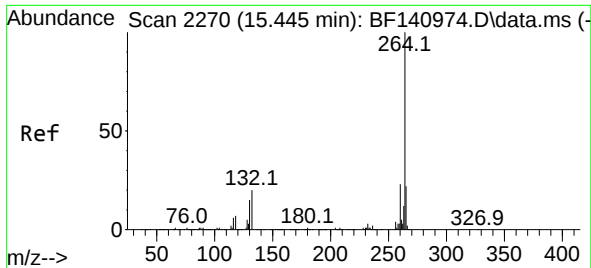
Tgt Ion:184 Resp: 42463
Ion Ratio Lower Upper
184 100
185 17.2 11.4 17.2#
183 6.6 9.4 14.0#



#79
Terphenyl-d14
Concen: 75.611 ng
RT: 12.939 min Scan# 1844
Delta R.T. 0.006 min
Lab File: BF141081.D
Acq: 08 Jan 2025 13:58

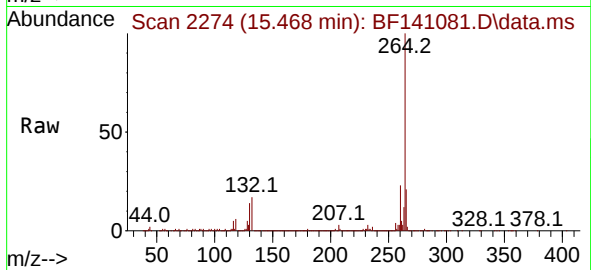
Tgt Ion:244 Resp: 3346454
Ion Ratio Lower Upper
244 100
212 6.8 5.7 8.5
122 11.0 10.2 15.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.468 min Scan# 21
 Delta R.T. 0.024 min
 Lab File: BF141081.D
 Acq: 08 Jan 2025 13:58

Instrument :
 BNA_F
 ClientSampleId :
 PB165973TB



Tgt Ion:264 Resp: 579900
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.7 28.1
 265 21.4 17.4 26.2

