

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010825\
 Data File : BF141090.D
 Acq On : 08 Jan 2025 18:04
 Operator : RC/JU
 Sample : Q1034-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Quant Time: Jan 09 00:03:16 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)

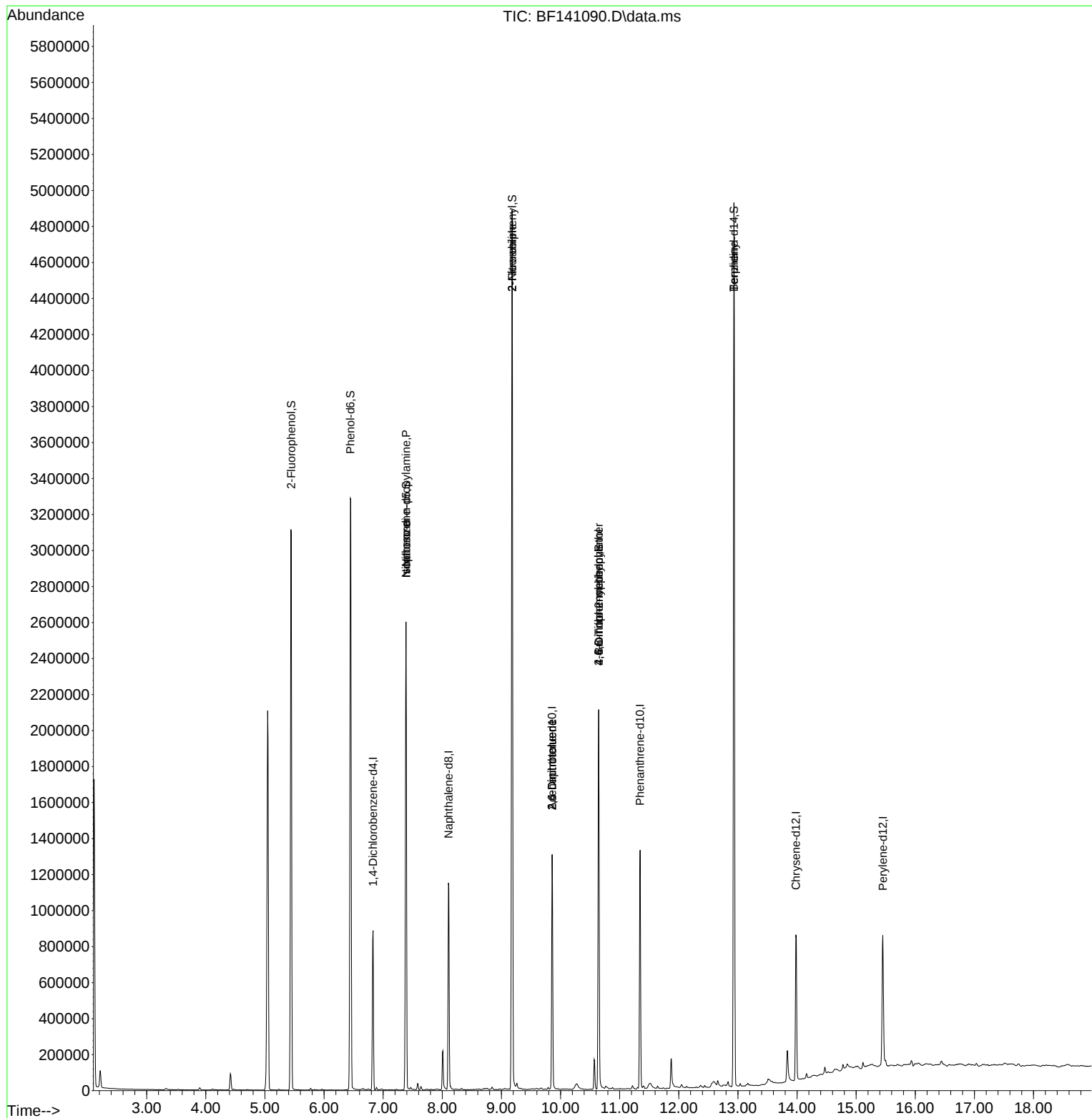
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	186021	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	740329	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	393858	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	657641	20.000	ng	0.00
76) Chrysene-d12	13.980	240	401009	20.000	ng	0.00
86) Perylene-d12	15.451	264	429791	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	1256543	101.821	ng	0.01
7) Phenol-d6	6.446	99	1716370	107.965	ng	0.00
23) Nitrobenzene-d5	7.387	82	1195761	103.336	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	378324	98.853	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	2191804	88.663	ng	0.00
79) Terphenyl-d14	12.933	244	2450404	101.497	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.375	77	306	Below Cal	#	37
19) n-Nitroso-di-n-propyla...	7.387	70	161440	16.576	ng	# 78
25) Isophorone	7.387	82	1188240	47.189	ng	# 65
48) 2-Nitroaniline	9.181	65	3832	5.210	ng	# 1
51) 2,6-Dinitrotoluene	9.857	165	51252	12.617	ng	# 23
57) 2,4-Dinitrotoluene	9.857	165	51253	11.684	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.645	198	747	9.573	ng	# 1
67) 4-Bromophenyl-phenylether	10.645	248	23287	3.276	ng	# 1
77) Benzidine	12.933	184	30748	3.628	ng	# 91

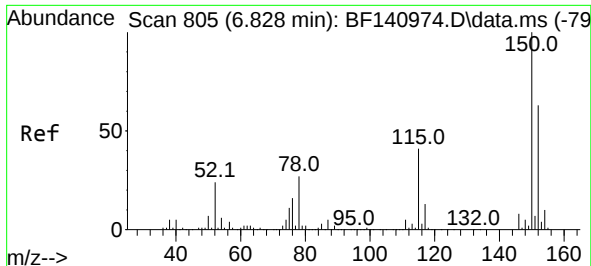
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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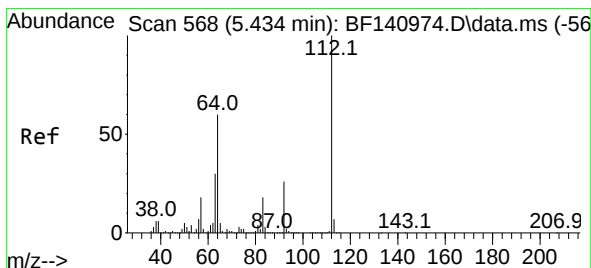
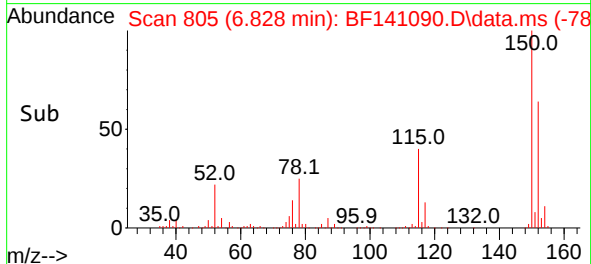
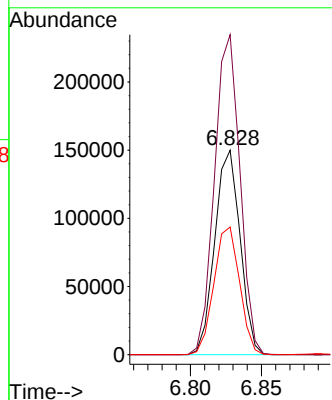
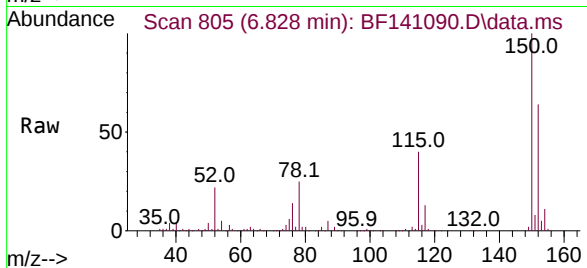




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.828 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF141090.D
 Acq: 08 Jan 2025 18:04

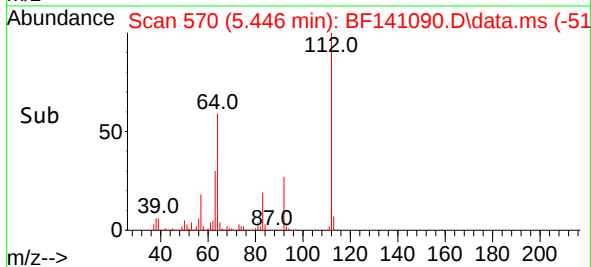
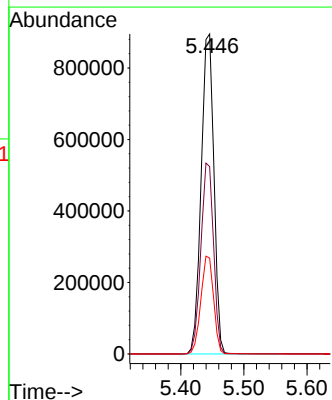
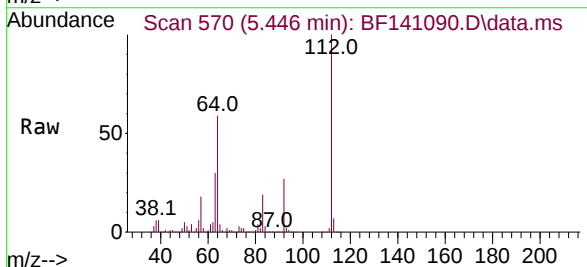
Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Tgt Ion:152 Resp: 186021
 Ion Ratio Lower Upper
 152 100
 150 156.5 127.0 190.6
 115 62.5 51.7 77.5



#5
 2-Fluorophenol
 Concen: 101.821 ng
 RT: 5.446 min Scan# 570
 Delta R.T. 0.012 min
 Lab File: BF141090.D
 Acq: 08 Jan 2025 18:04

Tgt Ion:112 Resp: 1256543
 Ion Ratio Lower Upper
 112 100
 64 58.5 47.7 71.5
 63 30.0 24.2 36.2

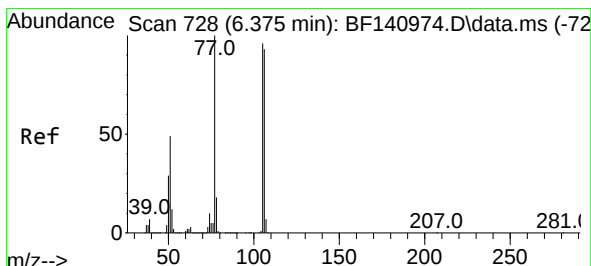
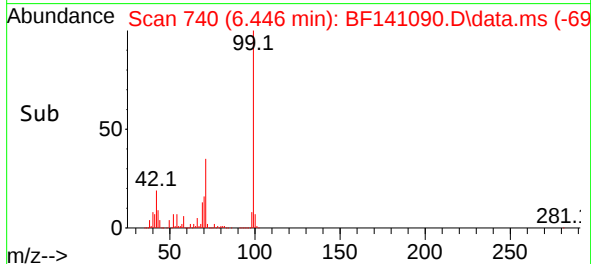
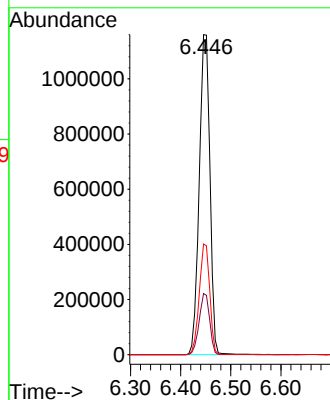
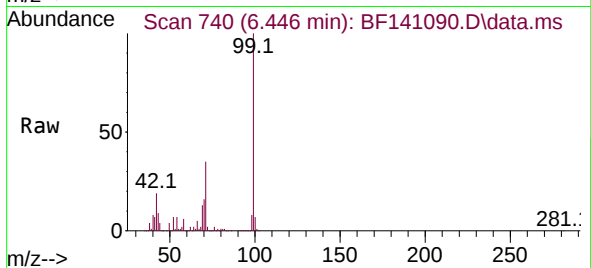




#7
Phenol-d6
Concen: 107.965 ng
RT: 6.446 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF141090.D
Acq: 08 Jan 2025 18:04

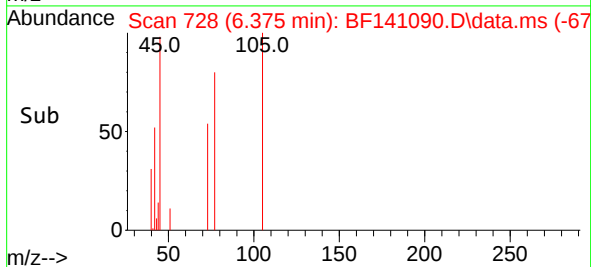
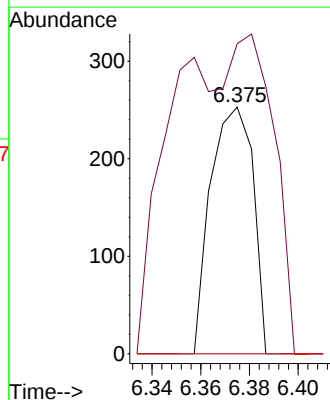
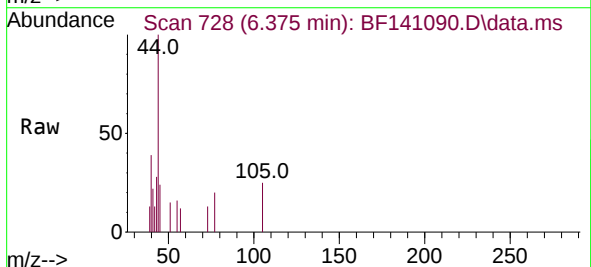
Instrument :
BNA_F
ClientSampleId :
COMP-1

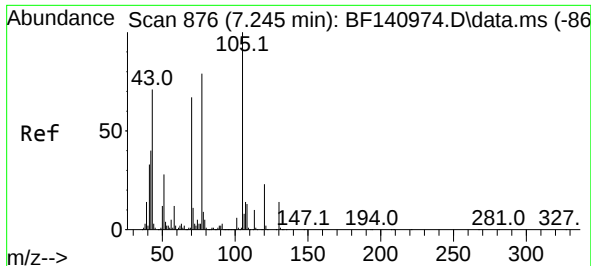
Tgt Ion: 99 Resp: 1716370
Ion Ratio Lower Upper
99 100
42 19.1 15.0 22.4
71 34.6 26.2 39.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.375 min Scan# 728
Delta R.T. -0.000 min
Lab File: BF141090.D
Acq: 08 Jan 2025 18:04

Tgt Ion: 77 Resp: 306
Ion Ratio Lower Upper
77 100
105 125.7 76.2 116.2#
106 0.0 73.4 113.4#





#19

n-Nitroso-di-n-propylamine

Concen: 16.576 ng

RT: 7.387 min Scan# 90

Delta R.T. 0.141 min

Lab File: BF141090.D

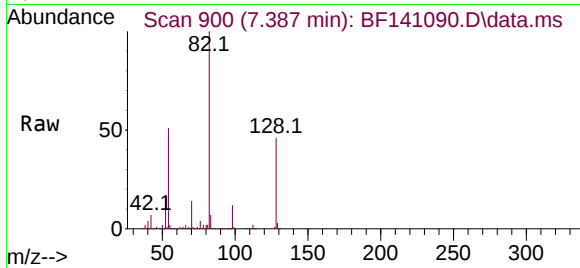
Acq: 08 Jan 2025 18:04

Instrument :

BNA_F

ClientSampleId :

COMP-1



Tgt Ion: 70 Resp: 161440

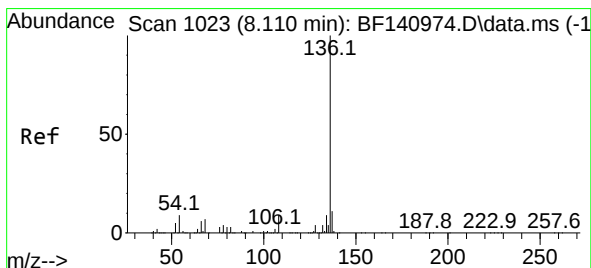
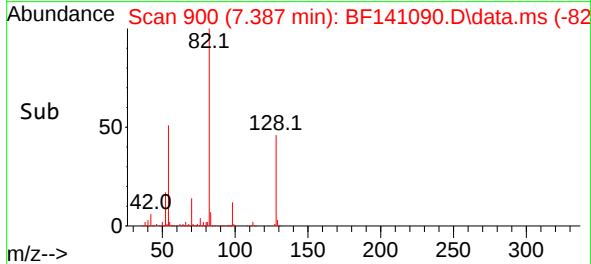
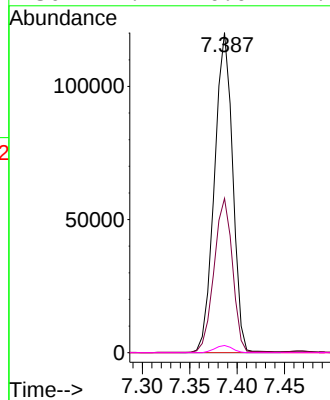
Ion Ratio Lower Upper

70 100

42 48.2 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: 8.104 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BF141090.D

Acq: 08 Jan 2025 18:04

Tgt Ion: 136 Resp: 740329

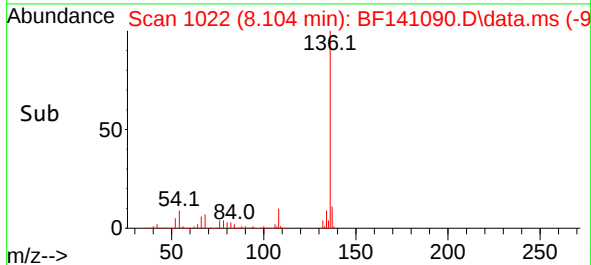
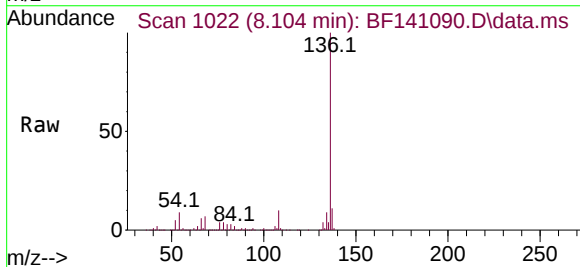
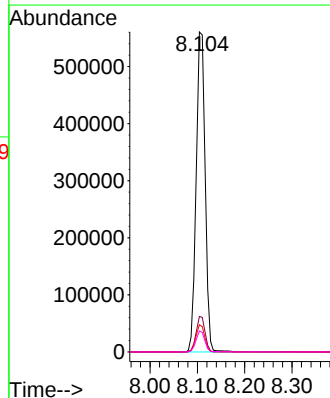
Ion Ratio Lower Upper

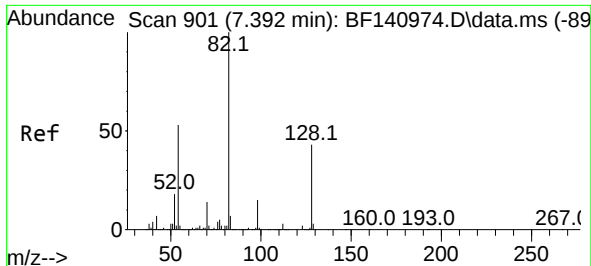
136 100

137 11.1 9.0 13.4

54 8.5 7.6 11.4

68 6.6 5.6 8.4

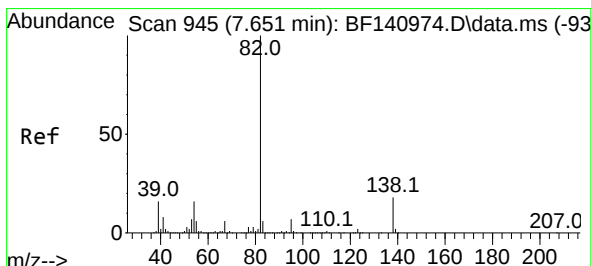
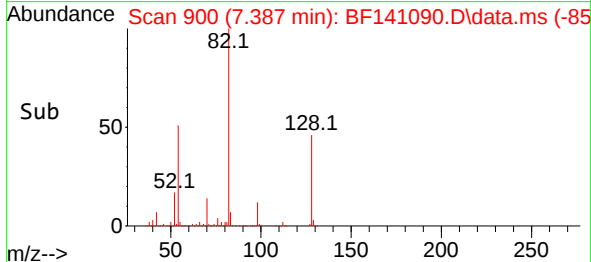
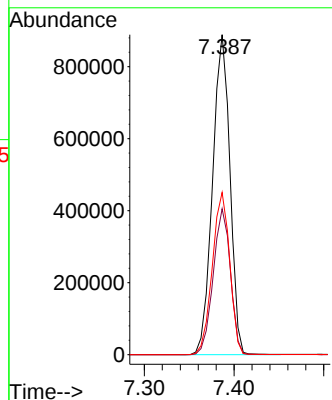
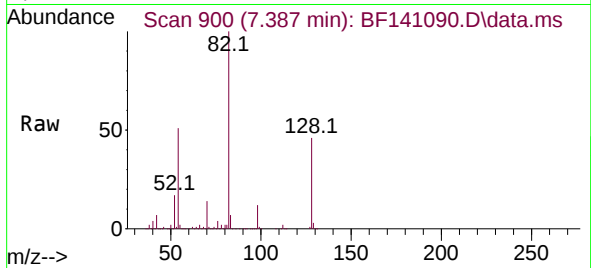




#23
Nitrobenzene-d5
Concen: 103.336 ng
RT: 7.387 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF141090.D
Acq: 08 Jan 2025 18:04

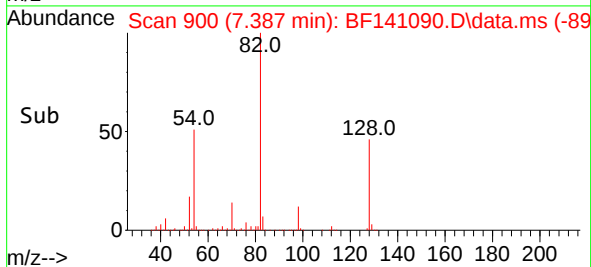
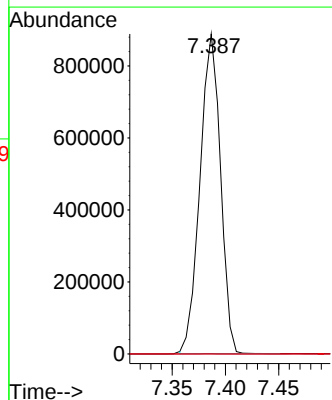
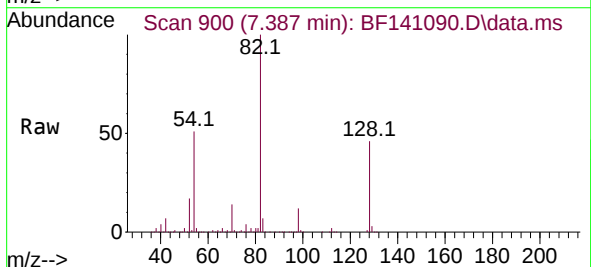
Instrument :
BNA_F
ClientSampleId :
COMP-1

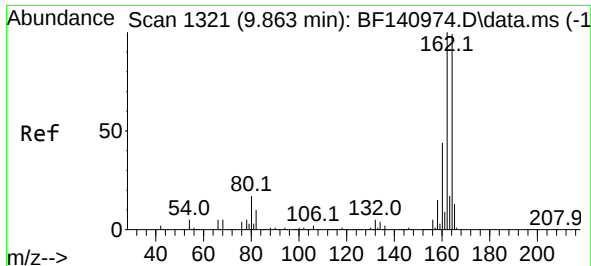
Tgt Ion: 82 Resp: 1195761
Ion Ratio Lower Upper
82 100
128 45.6 34.4 51.6
54 50.7 42.4 63.6



#25
Isophorone
Concen: 47.189 ng
RT: 7.387 min Scan# 900
Delta R.T. -0.265 min
Lab File: BF141090.D
Acq: 08 Jan 2025 18:04

Tgt Ion: 82 Resp: 1188240
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 21.8#

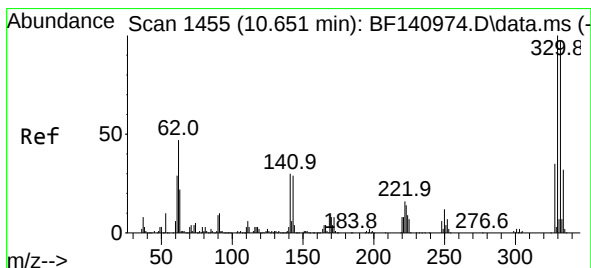
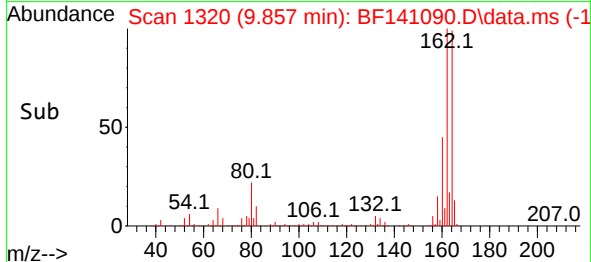
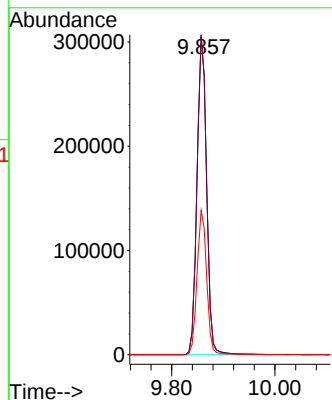
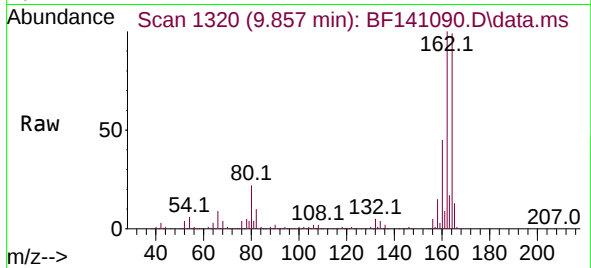




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141090.D
Acq: 08 Jan 2025 18:04

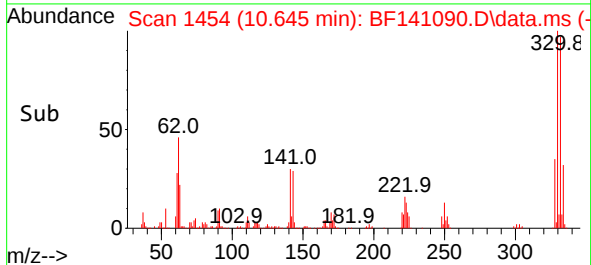
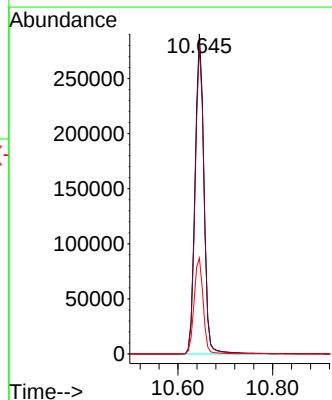
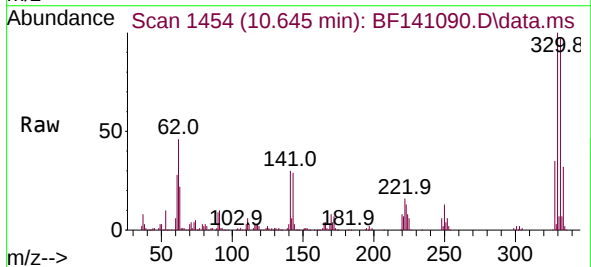
Instrument :
BNA_F
ClientSampleId :
COMP-1

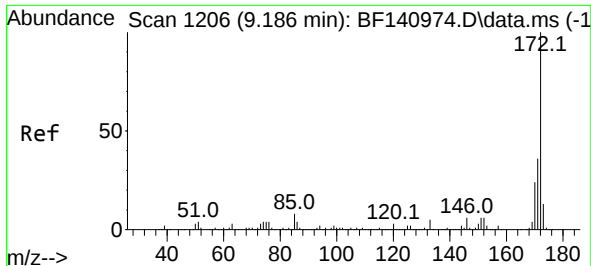
Tgt Ion:164 Resp: 393858
Ion Ratio Lower Upper
164 100
162 100.6 80.6 120.8
160 45.3 35.7 53.5



#42
2,4,6-Tribromophenol
Concen: 98.853 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF141090.D
Acq: 08 Jan 2025 18:04

Tgt Ion:330 Resp: 378324
Ion Ratio Lower Upper
330 100
332 96.3 78.0 117.0
141 30.5 26.4 39.6





#45

2-Fluorobiphenyl

Concen: 88.663 ng

RT: 9.181 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141090.D

Acq: 08 Jan 2025 18:04

Instrument :

BNA_F

ClientSampleId :

COMP-1

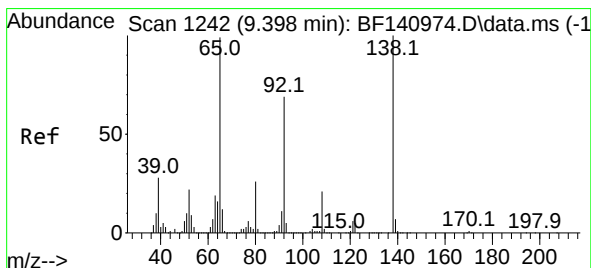
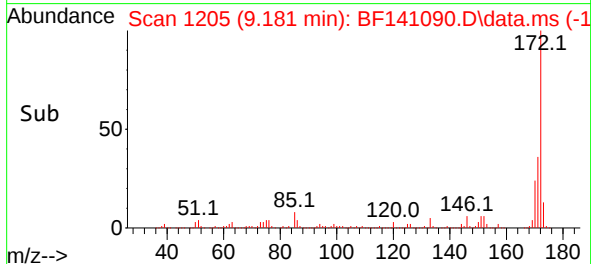
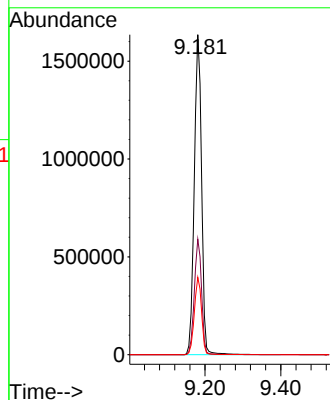
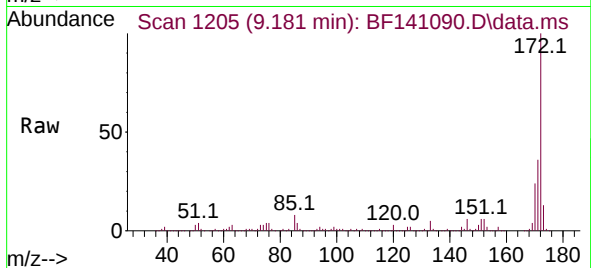
Tgt Ion:172 Resp: 2191804

Ion Ratio Lower Upper

172 100

171 36.1 29.0 43.4

170 24.2 19.6 29.4



#48

2-Nitroaniline

Concen: 5.210 ng

RT: 9.181 min Scan# 1205

Delta R.T. -0.217 min

Lab File: BF141090.D

Acq: 08 Jan 2025 18:04

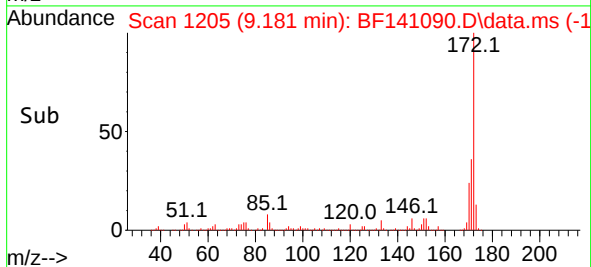
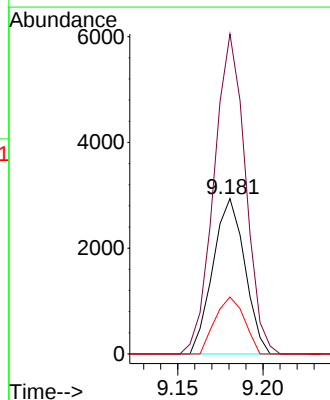
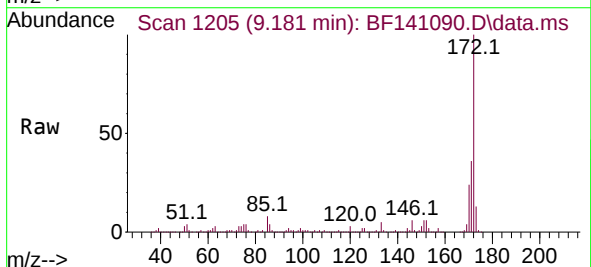
Tgt Ion: 65 Resp: 3832

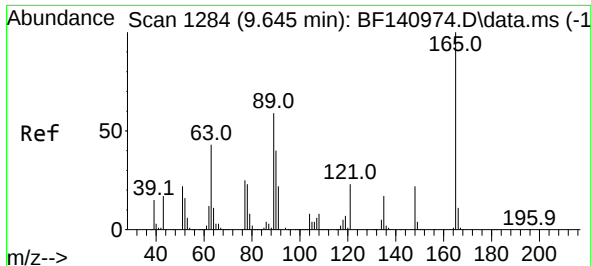
Ion Ratio Lower Upper

65 100

92 206.0 55.6 83.4#

138 36.6 80.5 120.7#

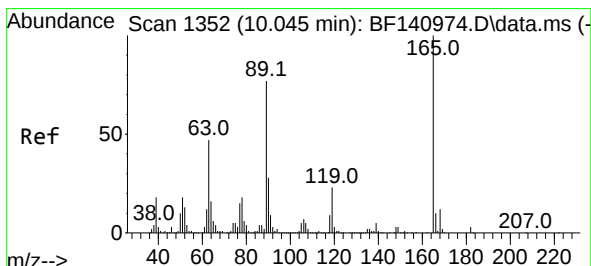
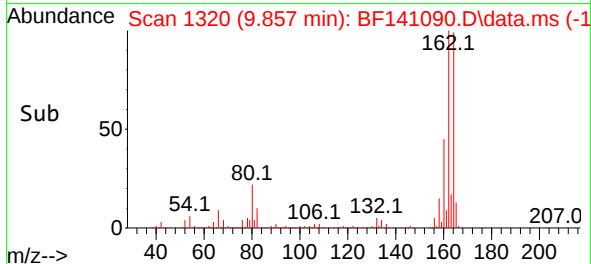
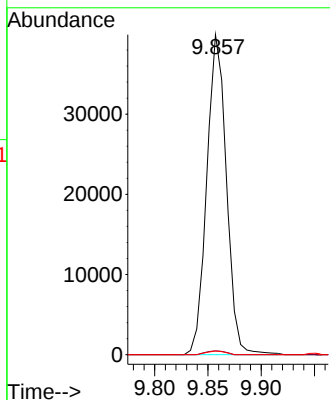
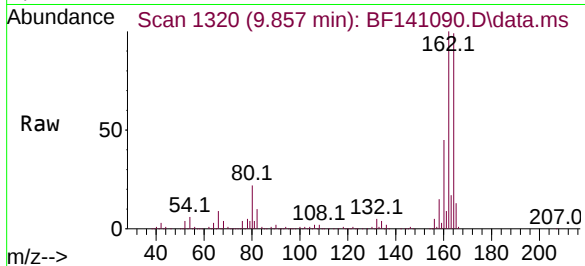




#51
2,6-Dinitrotoluene
Concen: 12.617 ng
RT: 9.857 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF141090.D
Acq: 08 Jan 2025 18:04

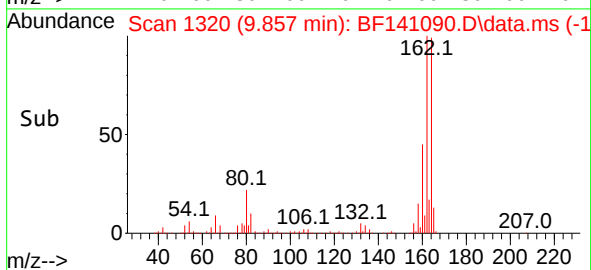
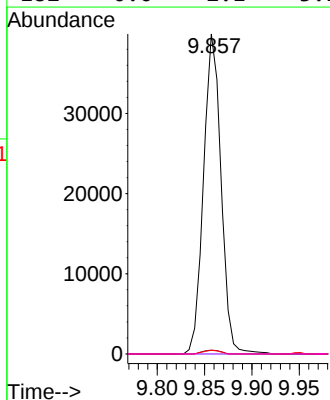
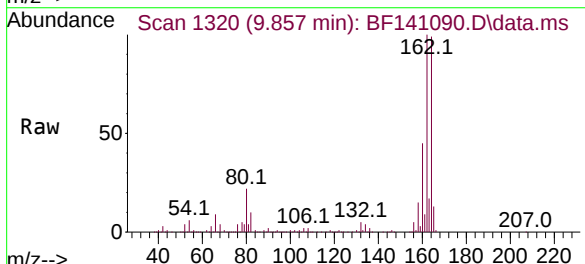
Instrument :
BNA_F
ClientSampleId :
COMP-1

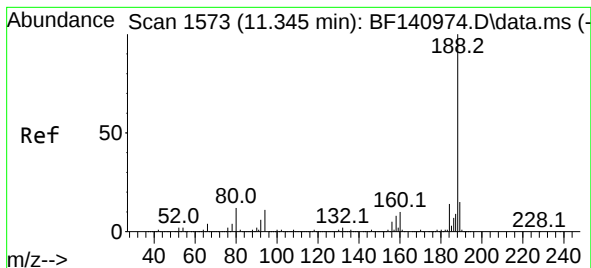
Tgt Ion:165 Resp: 51252
Ion Ratio Lower Upper
165 100
63 1.2 47.1 70.7#
89 1.2 47.0 70.4#



#57
2,4-Dinitrotoluene
Concen: 11.684 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.188 min
Lab File: BF141090.D
Acq: 08 Jan 2025 18:04

Tgt Ion:165 Resp: 51253
Ion Ratio Lower Upper
165 100
63 1.2 38.1 57.1#
89 1.2 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: BF141090.D

Acq: 08 Jan 2025 18:04

Instrument :

BNA_F

ClientSampleId :

COMP-1

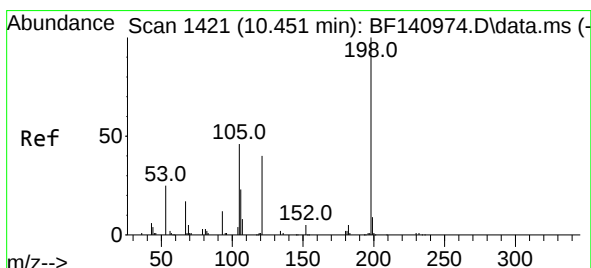
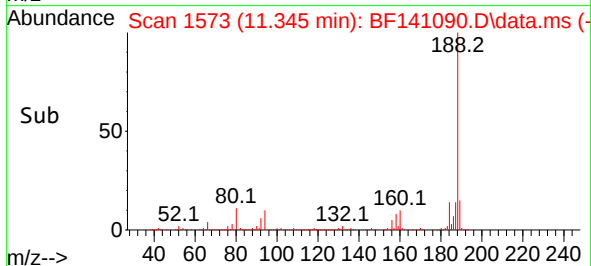
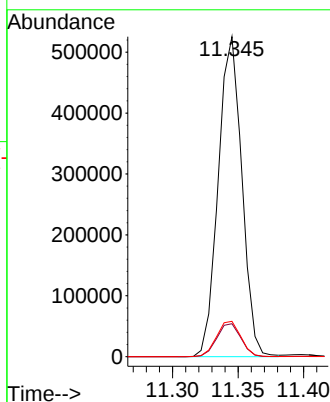
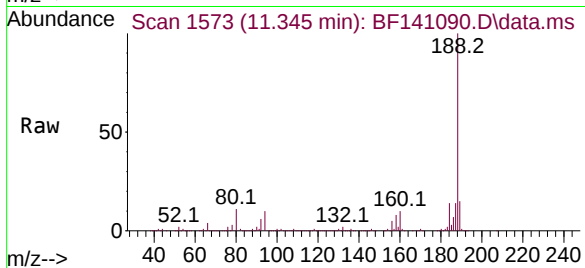
Tgt Ion:188 Resp: 657641

Ion Ratio Lower Upper

188 100

94 10.3 9.0 13.6

80 11.0 9.8 14.6



#65

4,6-Dinitro-2-methylphenol

Concen: 9.573 ng

RT: 10.645 min Scan# 1454

Delta R.T. 0.194 min

Lab File: BF141090.D

Acq: 08 Jan 2025 18:04

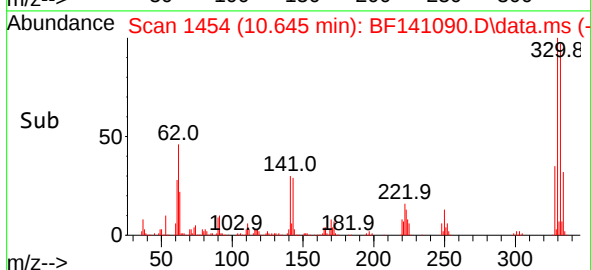
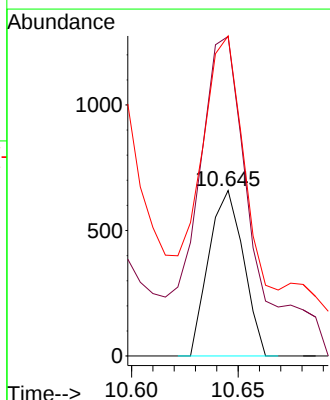
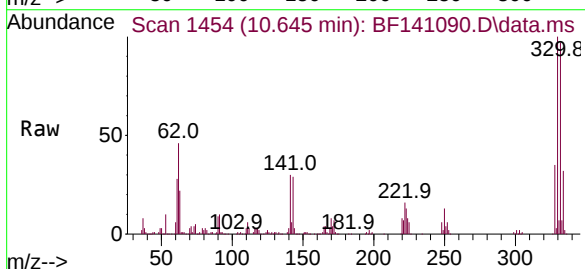
Tgt Ion:198 Resp: 747

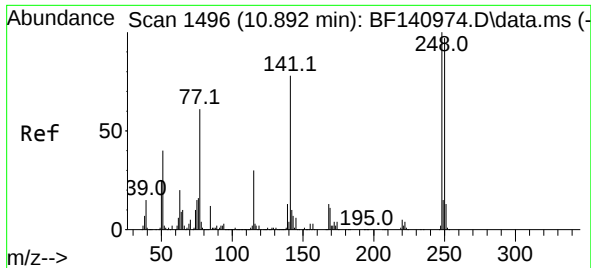
Ion Ratio Lower Upper

198 100

51 193.2 32.3 72.3#

105 193.5 28.4 68.4#

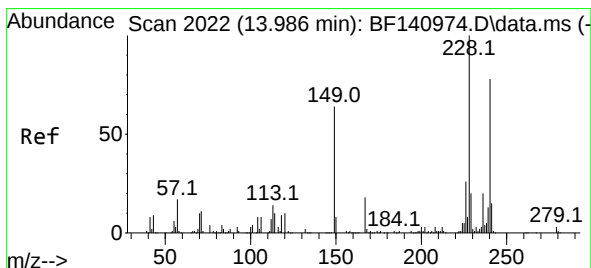
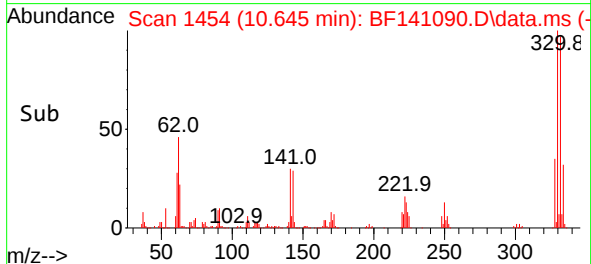
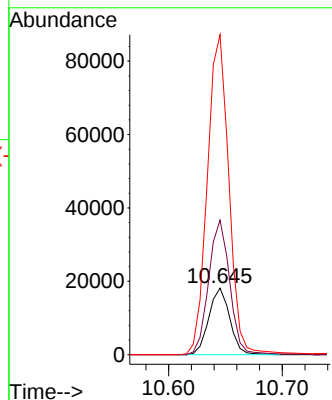
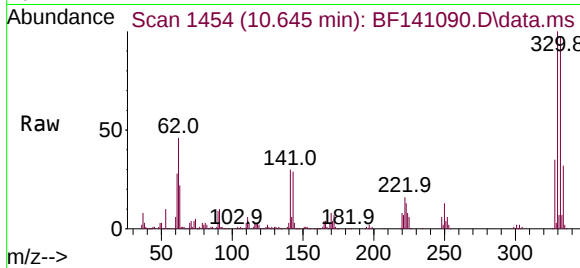




#67
4-Bromophenyl-phenylether
Concen: 3.276 ng
RT: 10.645 min Scan# 1496
Delta R.T. -0.247 min
Lab File: BF141090.D
Acq: 08 Jan 2025 18:04

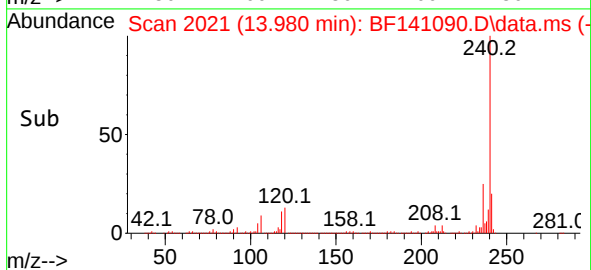
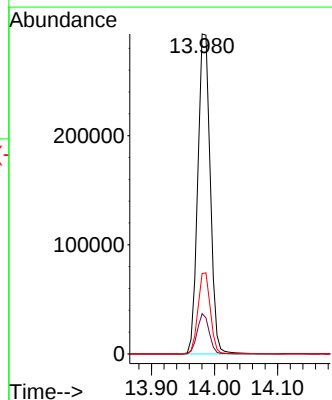
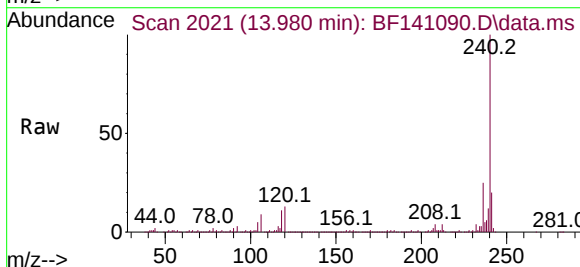
Instrument :
BNA_F
ClientSampleId :
COMP-1

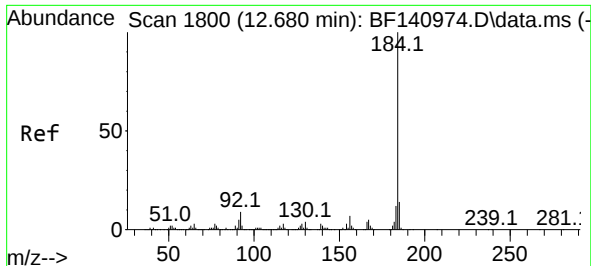
Tgt Ion:248 Resp: 23287
Ion Ratio Lower Upper
248 100
250 202.4 77.7 116.5#
141 481.3 62.1 93.1#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF141090.D
Acq: 08 Jan 2025 18:04

Tgt Ion:240 Resp: 401009
Ion Ratio Lower Upper
240 100
120 12.6 10.7 16.1
236 25.2 20.6 31.0





#77

Benzidine

Concen: 3.628 ng

RT: 12.933 min Scan# 1843

Delta R.T. 0.253 min

Lab File: BF141090.D

Acq: 08 Jan 2025 18:04

Instrument :

BNA_F

ClientSampleId :

COMP-1

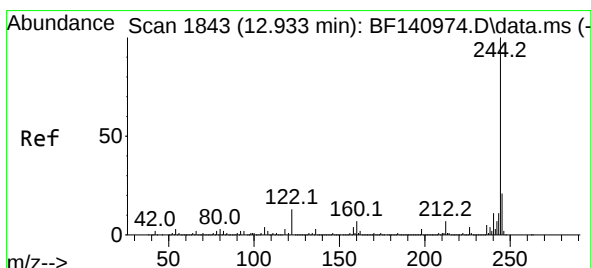
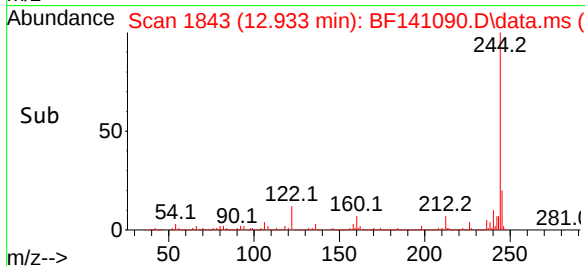
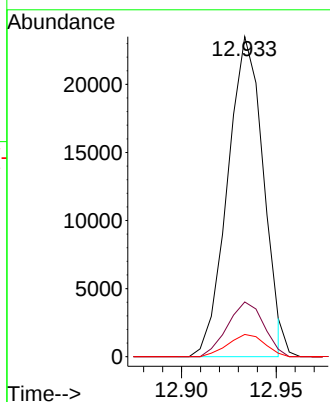
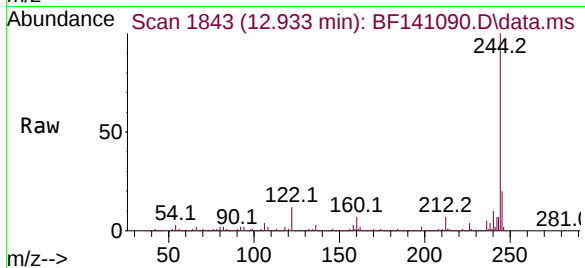
Tgt Ion:184 Resp: 30748

Ion Ratio Lower Upper

184 100

185 17.1 11.4 17.2

183 6.9 9.4 14.0#



#79

Terphenyl-d14

Concen: 101.497 ng

RT: 12.933 min Scan# 1843

Delta R.T. 0.000 min

Lab File: BF141090.D

Acq: 08 Jan 2025 18:04

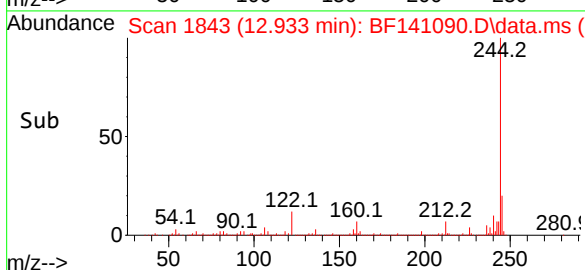
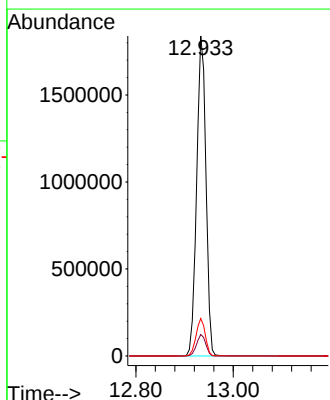
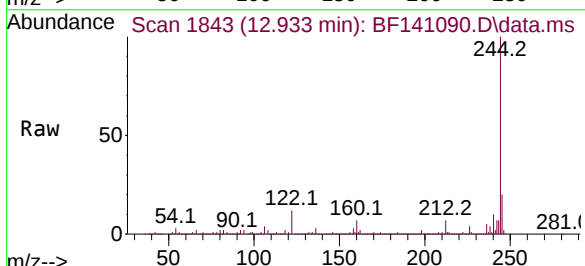
Tgt Ion:244 Resp: 2450404

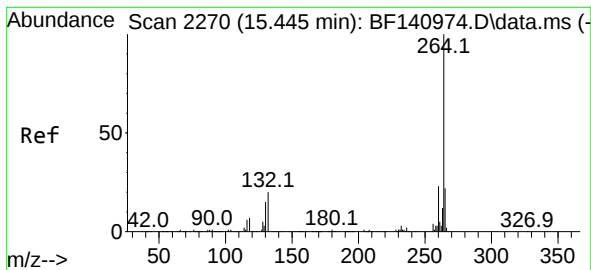
Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

122 11.7 10.2 15.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.451 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF141090.D
 Acq: 08 Jan 2025 18:04

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Tgt Ion:264 Resp: 429791
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.7 28.1
 265 21.5 17.4 26.2

