

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
 Data File : BF141024.D
 Acq On : 30 Dec 2024 11:36
 Operator : RC/JU
 Sample : PB165894BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB165790BL

Quant Time: Dec 30 11:59:22 2024
 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)

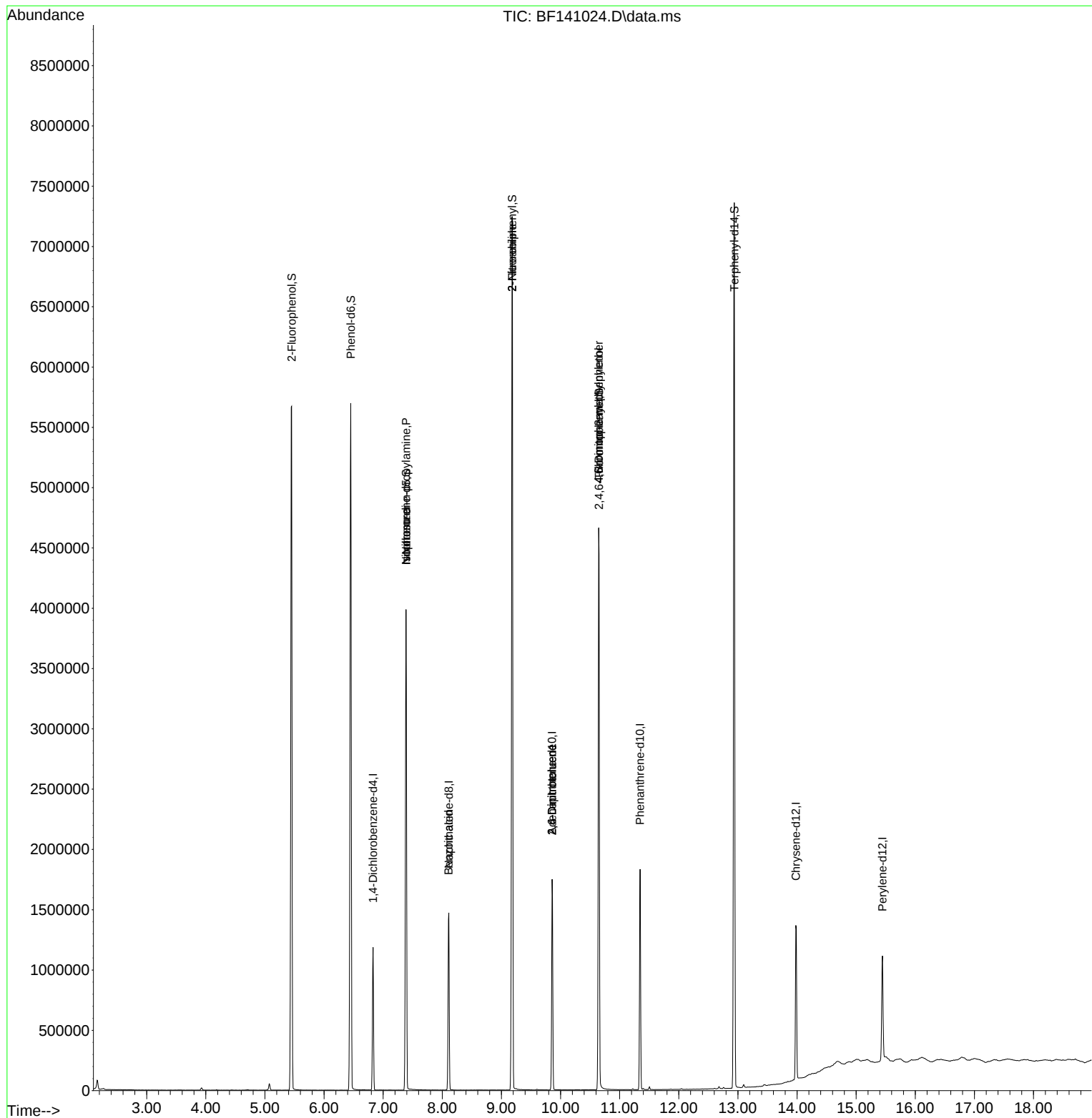
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	238985	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	970773	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	524490	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	885926	20.000	ng	0.00
76) Chrysene-d12	13.980	240	625339	20.000	ng	0.00
86) Perylene-d12	15.445	264	515809	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	2375093	149.807	ng	0.02
7) Phenol-d6	6.451	99	3018906	147.813	ng	0.00
23) Nitrobenzene-d5	7.387	82	1890259	124.576	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	880143	172.696	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	3334376	101.288	ng	0.00
79) Terphenyl-d14	12.939	244	3782107	100.459	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.451	77	4861	Below Cal	#	5
19) n-Nitroso-di-n-propyla...	7.387	70	255056	20.384	ng	# 79
25) Isophorone	7.387	82	1854392	56.162	ng	# 65
32) Benzoic acid	8.104	122	217	7.711	ng	# 1
48) 2-Nitroaniline	9.181	65	6168	5.328	ng	# 1
51) 2,6-Dinitrotoluene	9.857	165	68628	12.666	ng	# 23
57) 2,4-Dinitrotoluene	9.857	165	68628	11.724	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.645	198	1690	9.729	ng	# 1
67) 4-Bromophenyl-phenylether	10.645	248	55053	5.748	ng	# 1

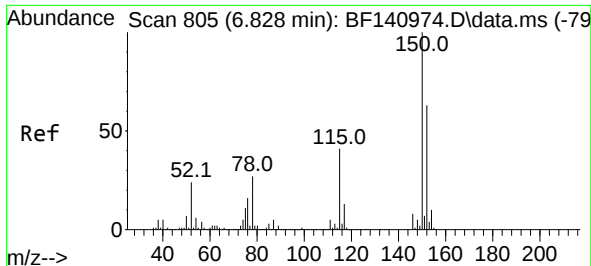
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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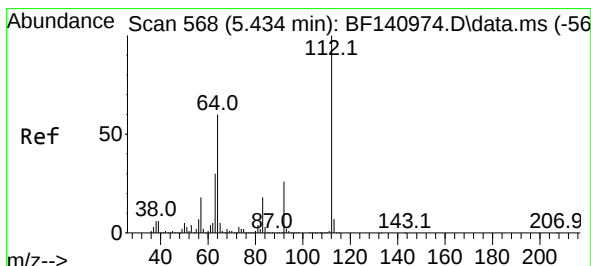
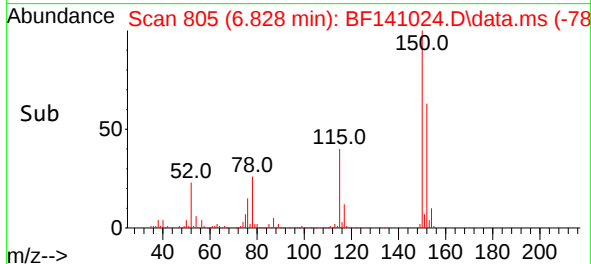
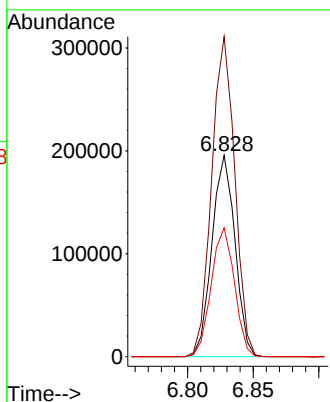
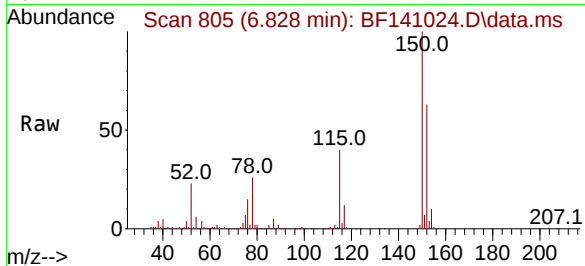




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.828 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF141024.D
 Acq: 30 Dec 2024 11:36

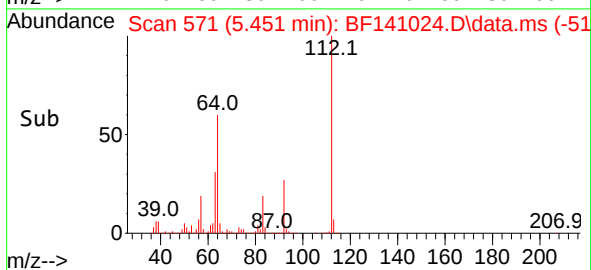
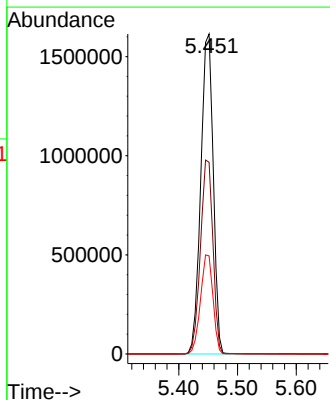
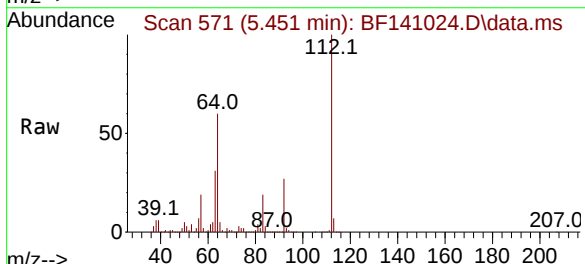
Instrument :
 BNA_F
 ClientSampleId :
 PB165790BL

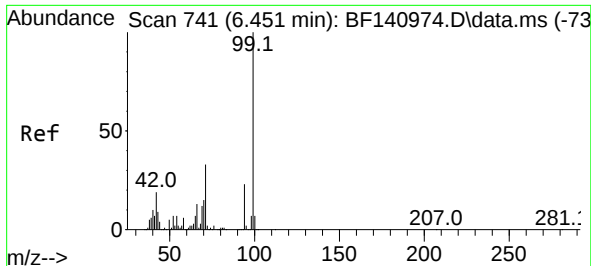
Tgt Ion:152 Resp: 238985
 Ion Ratio Lower Upper
 152 100
 150 159.0 127.0 190.6
 115 64.0 51.7 77.5



#5
 2-Fluorophenol
 Concen: 149.807 ng
 RT: 5.451 min Scan# 571
 Delta R.T. 0.018 min
 Lab File: BF141024.D
 Acq: 30 Dec 2024 11:36

Tgt Ion:112 Resp: 2375093
 Ion Ratio Lower Upper
 112 100
 64 59.9 47.7 71.5
 63 30.7 24.2 36.2

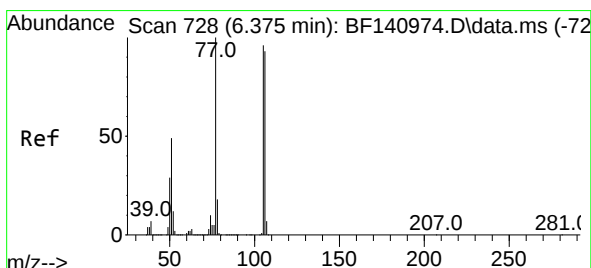
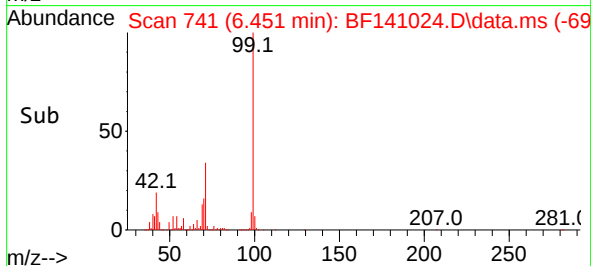
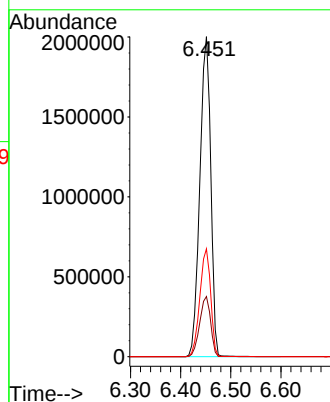
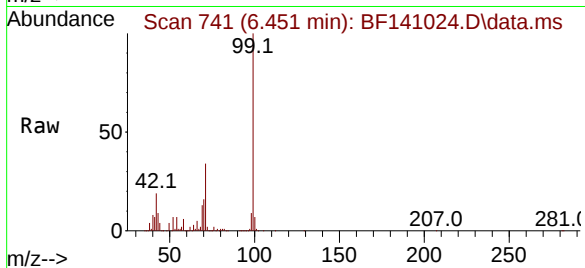




#7
Phenol-d6
Concen: 147.813 ng
RT: 6.451 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF141024.D
Acq: 30 Dec 2024 11:36

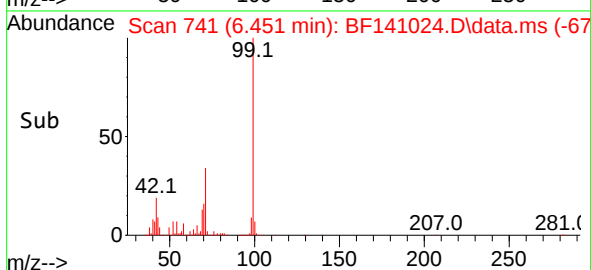
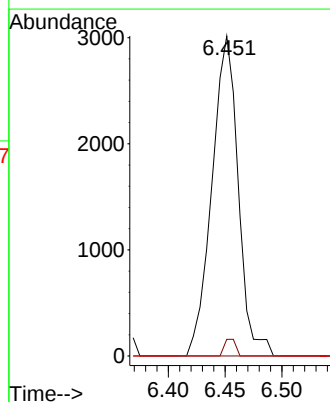
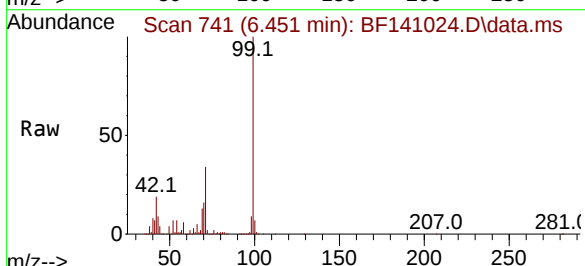
Instrument :
BNA_F
ClientSampleId :
PB165790BL

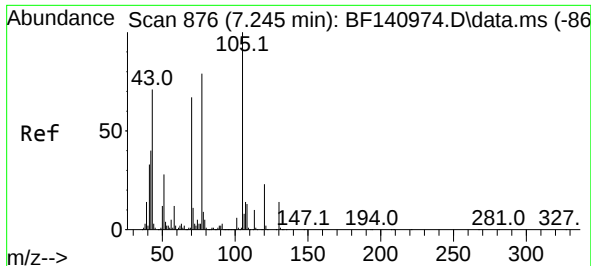
Tgt Ion: 99 Resp: 3018906
Ion Ratio Lower Upper
99 100
42 18.8 15.0 22.4
71 33.7 26.2 39.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.451 min Scan# 741
Delta R.T. 0.076 min
Lab File: BF141024.D
Acq: 30 Dec 2024 11:36

Tgt Ion: 77 Resp: 4861
Ion Ratio Lower Upper
77 100
105 5.2 76.2 116.2#
106 0.0 73.4 113.4#

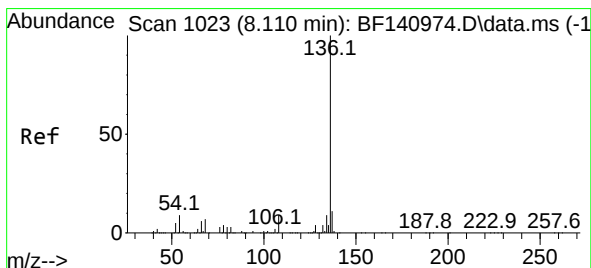
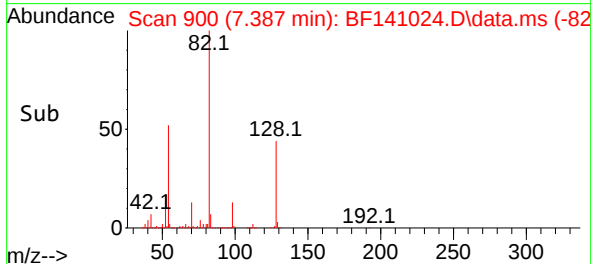
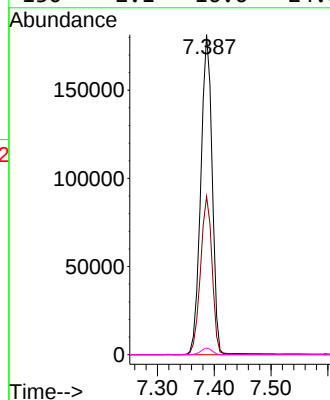
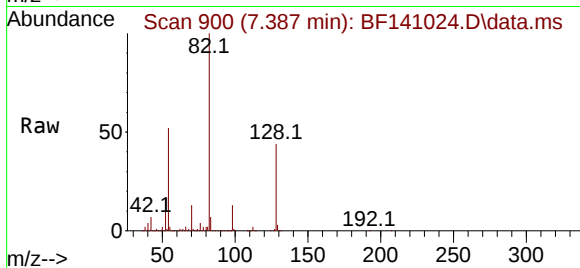




#19
n-Nitroso-di-n-propylamine
Concen: 20.384 ng
RT: 7.387 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF141024.D
Acq: 30 Dec 2024 11:36

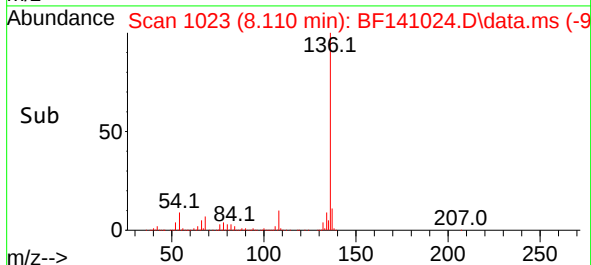
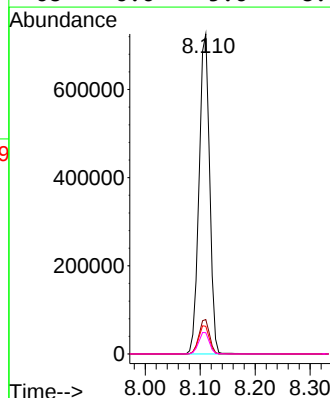
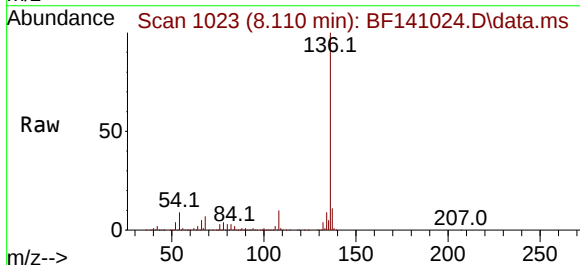
Instrument :
BNA_F
ClientSampleId :
PB165790BL

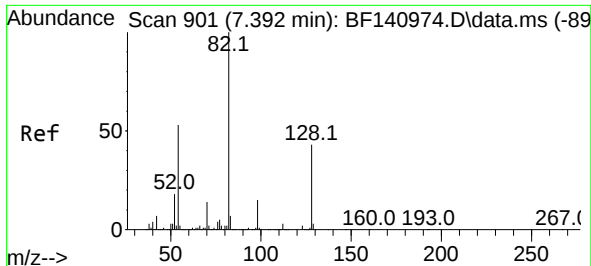
Tgt Ion: 70 Resp: 255056
Ion Ratio Lower Upper
70 100
42 49.4 48.1 72.1
101 0.0 7.6 11.4#
130 2.1 16.6 24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF141024.D
Acq: 30 Dec 2024 11:36

Tgt Ion: 136 Resp: 970773
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 8.7 7.6 11.4
68 6.6 5.6 8.4





#23

Nitrobenzene-d5

Concen: 124.576 ng

RT: 7.387 min Scan# 900

Delta R.T. -0.006 min

Lab File: BF141024.D

Acq: 30 Dec 2024 11:36

Instrument :

BNA_F

ClientSampleId :

PB165790BL

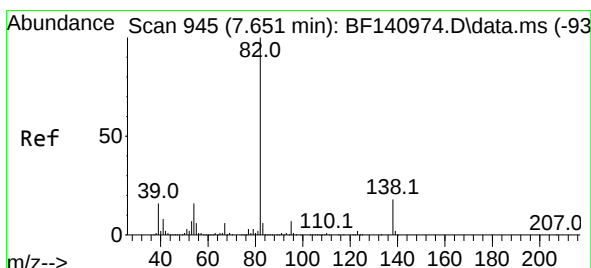
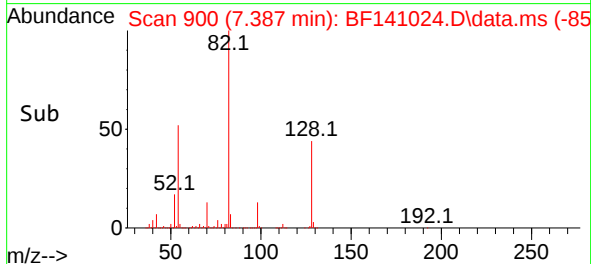
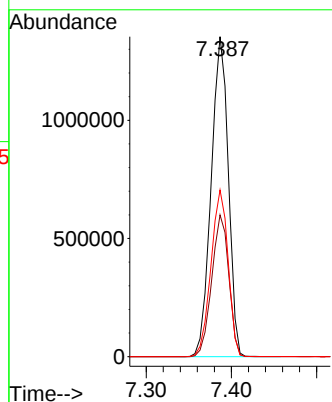
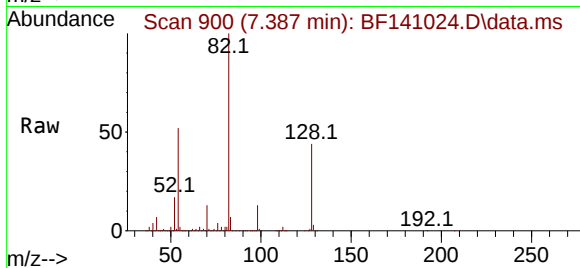
Tgt Ion: 82 Resp: 1890259

Ion Ratio Lower Upper

82 100

128 44.3 34.4 51.6

54 52.1 42.4 63.6



#25

Isophorone

Concen: 56.162 ng

RT: 7.387 min Scan# 900

Delta R.T. -0.265 min

Lab File: BF141024.D

Acq: 30 Dec 2024 11:36

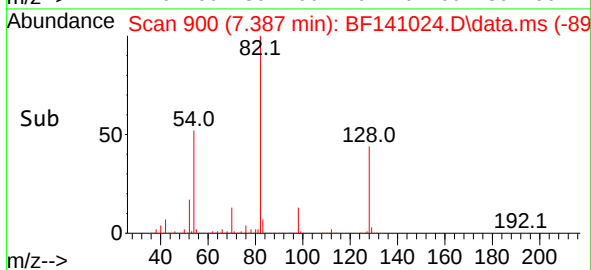
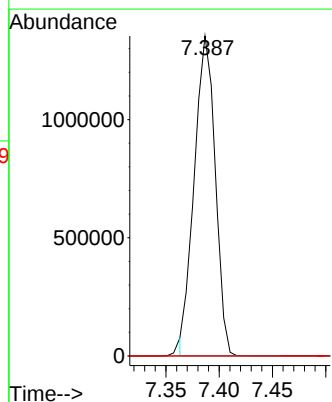
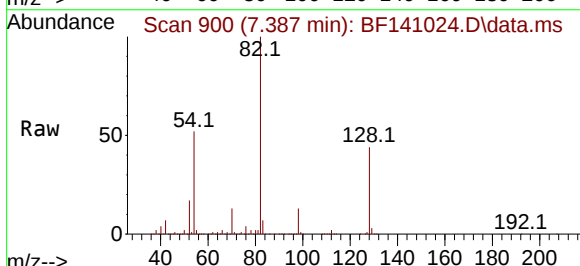
Tgt Ion: 82 Resp: 1854392

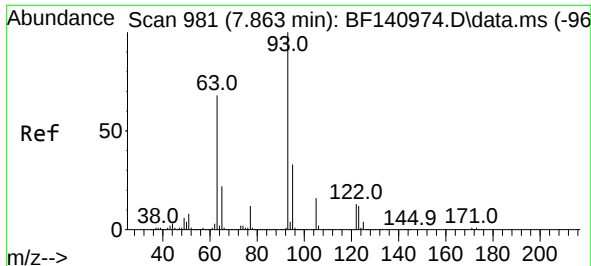
Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.6 21.8#

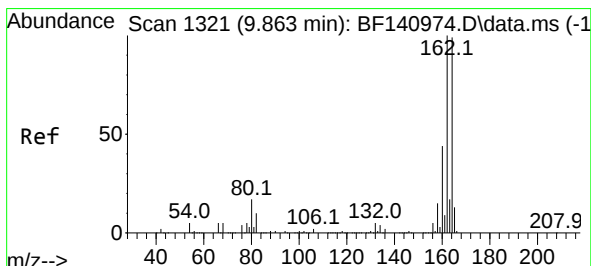
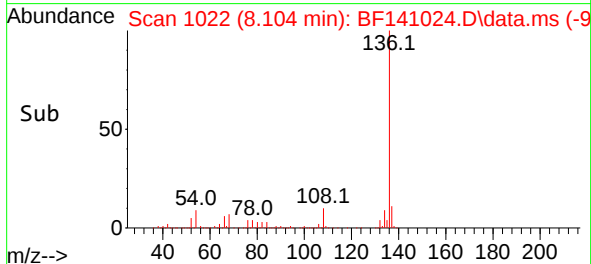
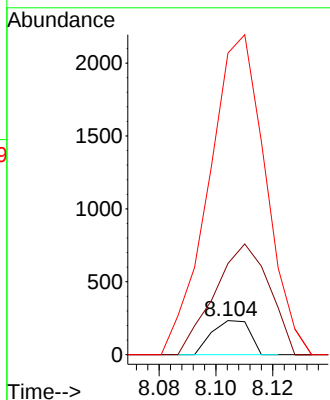
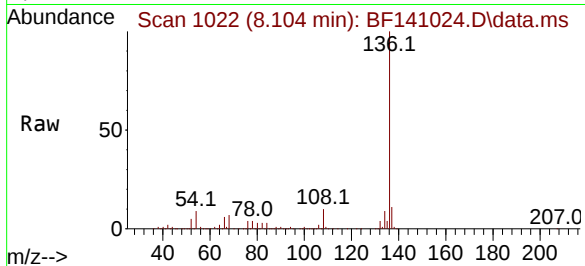




#32
Benzoic acid
Concen: 7.711 ng
RT: 8.104 min Scan# 10
Delta R.T. 0.241 min
Lab File: BF141024.D
Acq: 30 Dec 2024 11:36

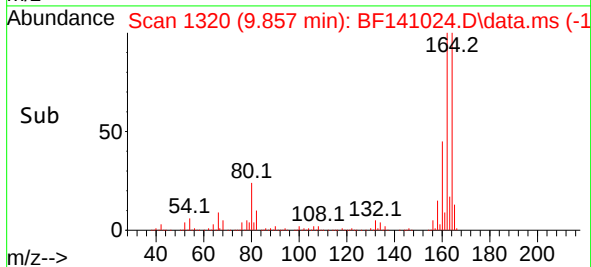
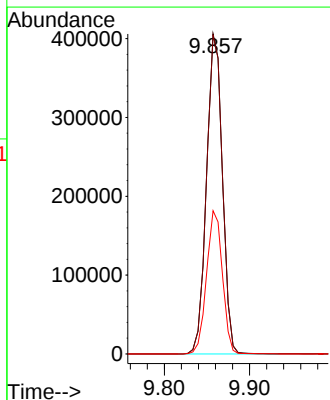
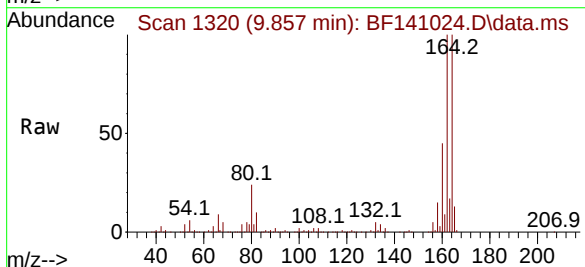
Instrument :
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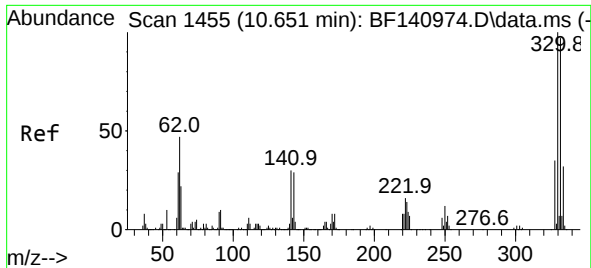
Tgt Ion:122 Resp: 217
Ion Ratio Lower Upper
122 100
105 267.1 105.4 145.4#
77 884.2 76.4 116.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF141024.D
Acq: 30 Dec 2024 11:36

Tgt Ion:164 Resp: 524490
Ion Ratio Lower Upper
164 100
162 99.7 80.6 120.8
160 44.7 35.7 53.5

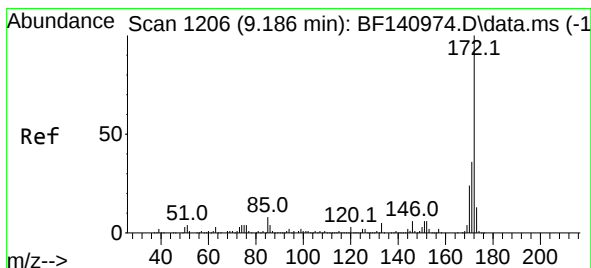
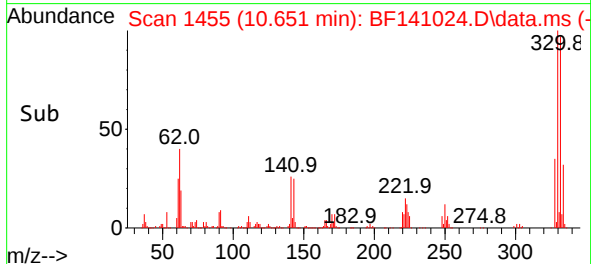
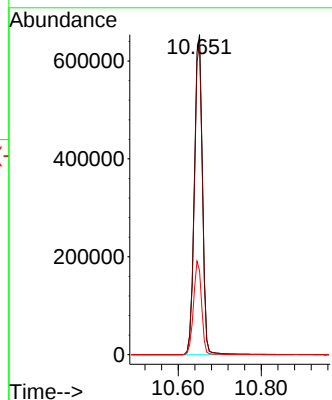
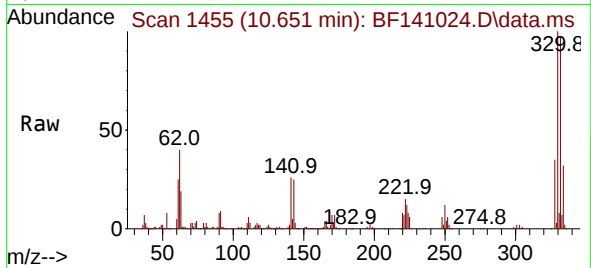




#42
2,4,6-Tribromophenol
Concen: 172.696 ng
RT: 10.651 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BF141024.D
Acq: 30 Dec 2024 11:36

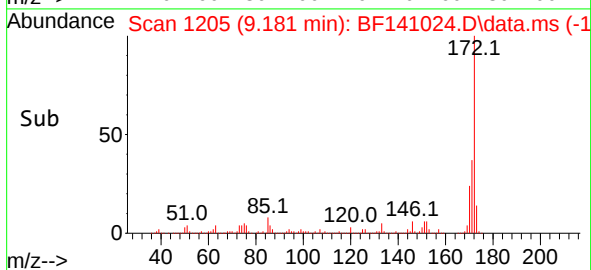
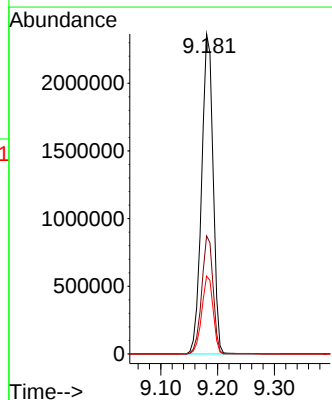
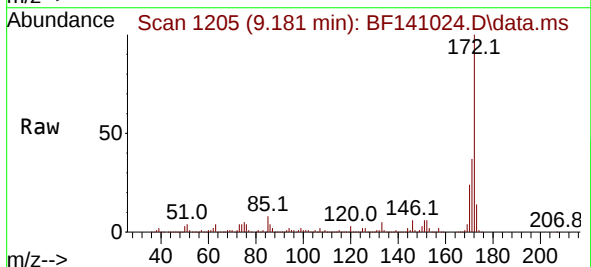
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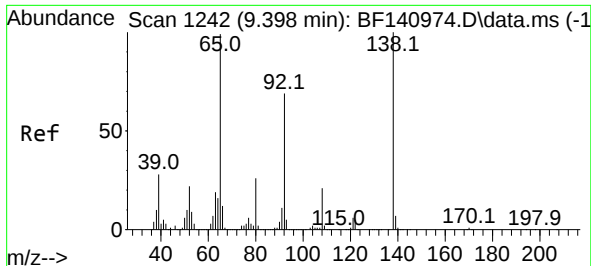
Tgt Ion:330 Resp: 880143
Ion Ratio Lower Upper
330 100
332 96.6 78.0 117.0
141 29.2 26.4 39.6



#45
2-Fluorobiphenyl
Concen: 101.288 ng
RT: 9.181 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF141024.D
Acq: 30 Dec 2024 11:36

Tgt Ion:172 Resp: 3334376
Ion Ratio Lower Upper
172 100
171 36.9 29.0 43.4
170 24.4 19.6 29.4





#48

2-Nitroaniline

Concen: 5.328 ng

RT: 9.181 min Scan# 11

Delta R.T. -0.217 min

Lab File: BF141024.D

Acq: 30 Dec 2024 11:36

Instrument :

BNA_F

ClientSampleId :

PB165790BL

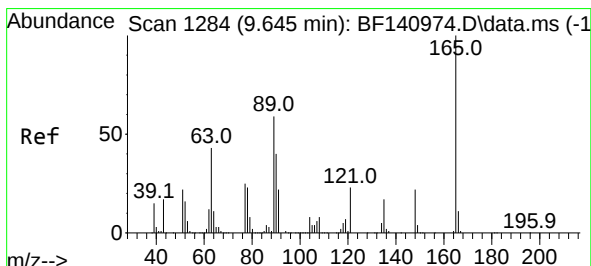
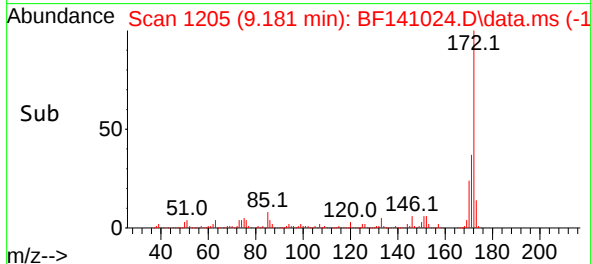
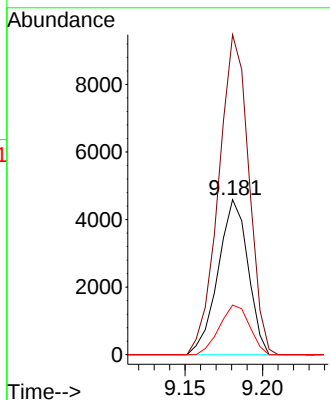
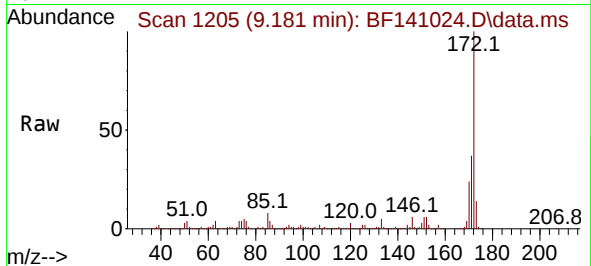
Tgt Ion: 65 Resp: 6168

Ion Ratio Lower Upper

65 100

92 206.5 55.6 83.4#

138 32.0 80.5 120.7#



#51

2,6-Dinitrotoluene

Concen: 12.666 ng

RT: 9.857 min Scan# 1320

Delta R.T. 0.212 min

Lab File: BF141024.D

Acq: 30 Dec 2024 11:36

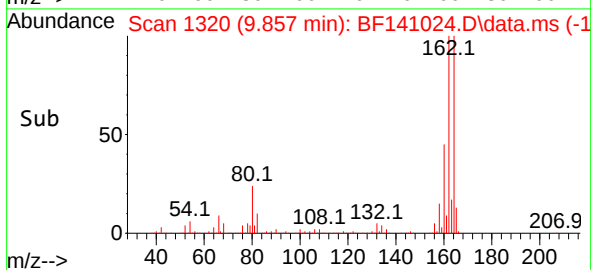
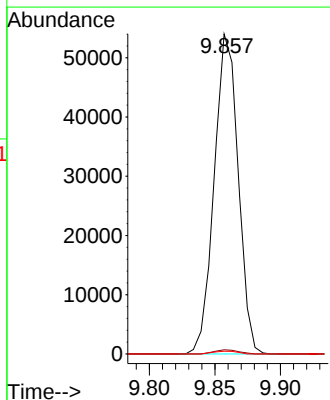
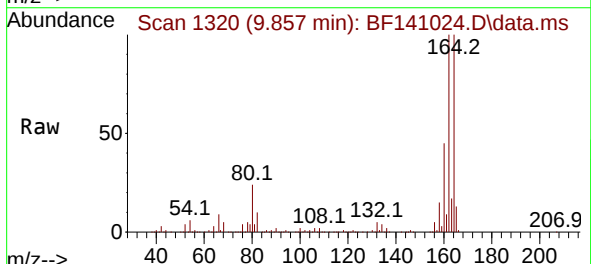
Tgt Ion: 165 Resp: 68628

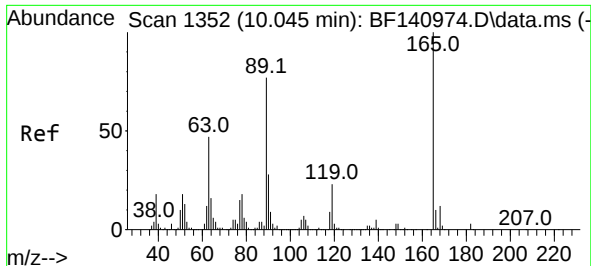
Ion Ratio Lower Upper

165 100

63 1.3 47.1 70.7#

89 0.9 47.0 70.4#

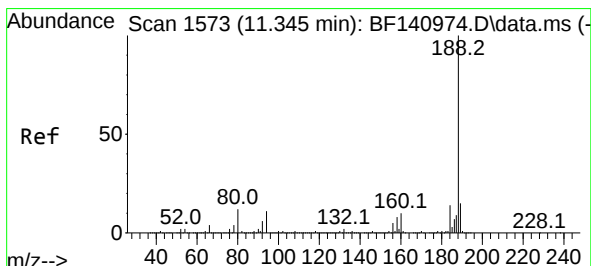
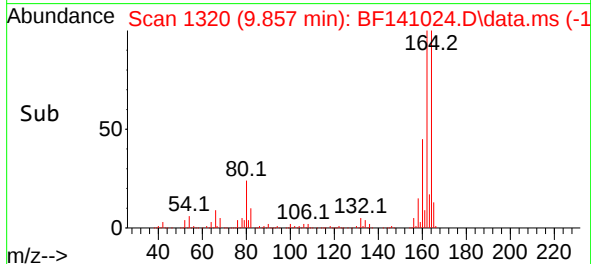
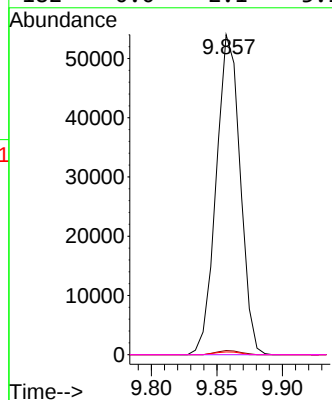
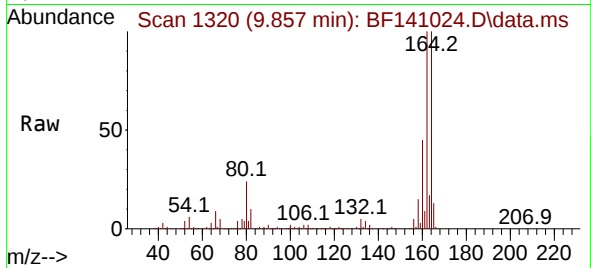




#57
2,4-Dinitrotoluene
Concen: 11.724 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF141024.D
Acq: 30 Dec 2024 11:36

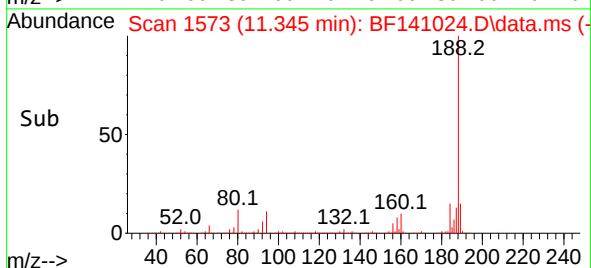
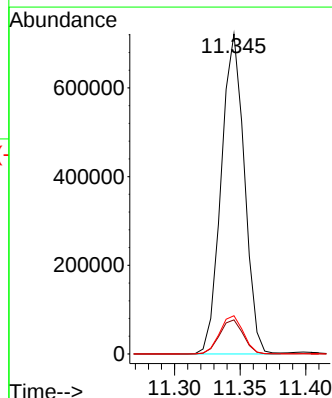
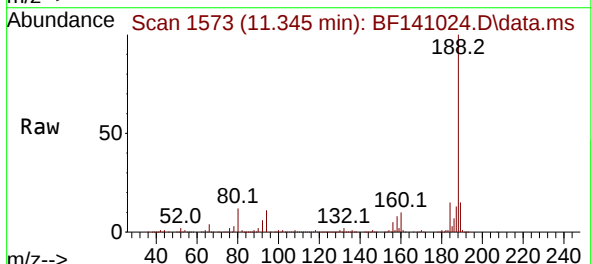
Instrument :
BNA_F
ClientSampleId :
PB165790BL

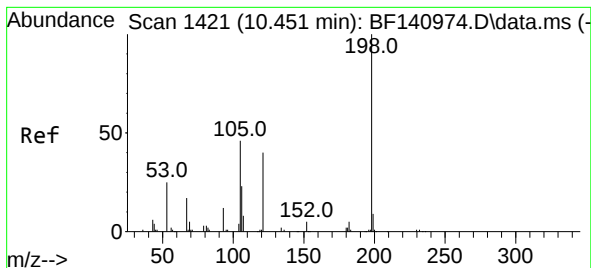
Tgt Ion:165 Resp: 68628
Ion Ratio Lower Upper
165 100
63 1.3 38.1 57.1#
89 0.9 61.4 92.2#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF141024.D
Acq: 30 Dec 2024 11:36

Tgt Ion:188 Resp: 885926
Ion Ratio Lower Upper
188 100
94 10.6 9.0 13.6
80 12.0 9.8 14.6

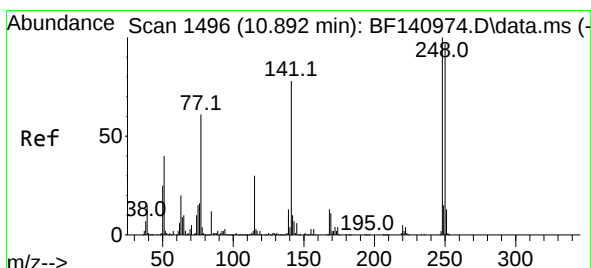
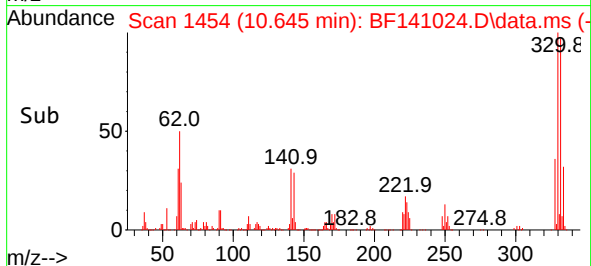
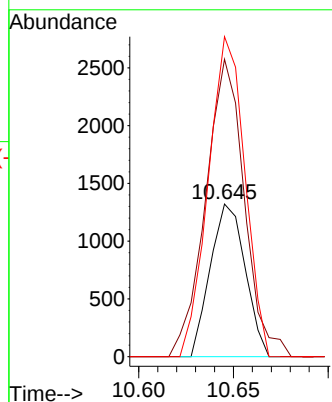
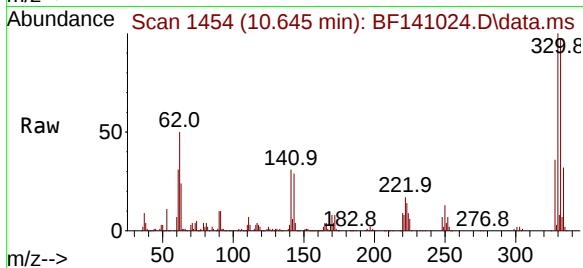




#65
4,6-Dinitro-2-methylphenol
Concen: 9.729 ng
RT: 10.645 min Scan# 1454
Delta R.T. 0.194 min
Lab File: BF141024.D
Acq: 30 Dec 2024 11:36

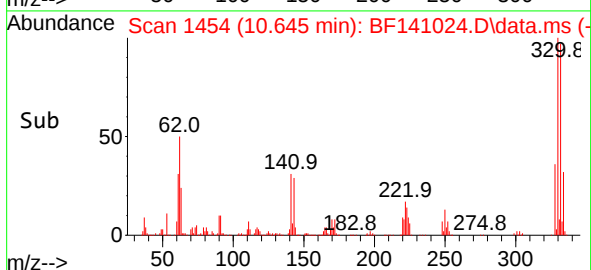
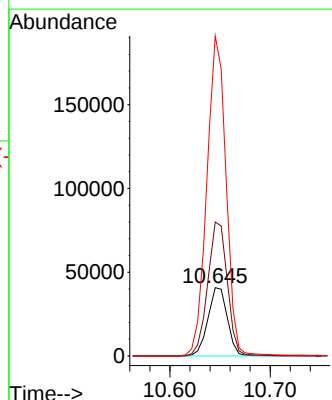
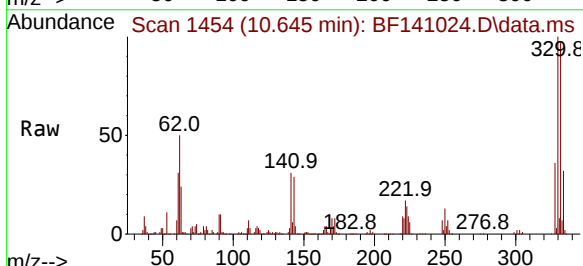
Instrument :
BNA_F
ClientSampleId :
PB165790BL

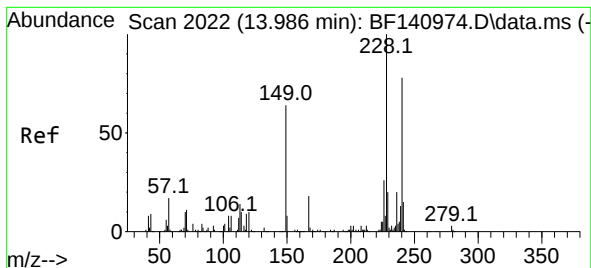
Tgt Ion:198 Resp: 1690
Ion Ratio Lower Upper
198 100
51 194.8 32.3 72.3#
105 209.5 28.4 68.4#



#67
4-Bromophenyl-phenylether
Concen: 5.748 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.247 min
Lab File: BF141024.D
Acq: 30 Dec 2024 11:36

Tgt Ion:248 Resp: 55053
Ion Ratio Lower Upper
248 100
250 195.8 77.7 116.5#
141 468.0 62.1 93.1#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141024.D

Acq: 30 Dec 2024 11:36

Instrument :

BNA_F

ClientSampleId :

PB165790BL

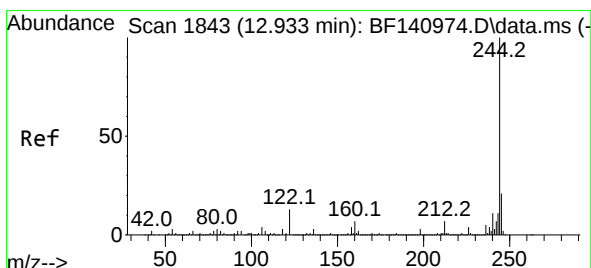
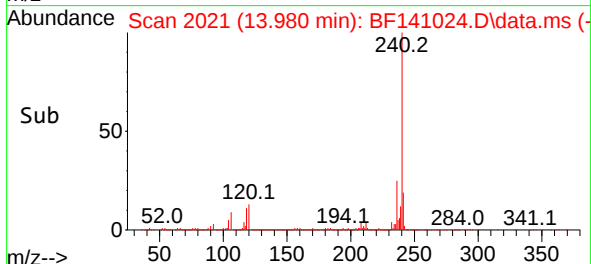
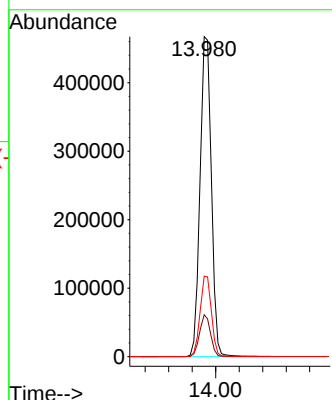
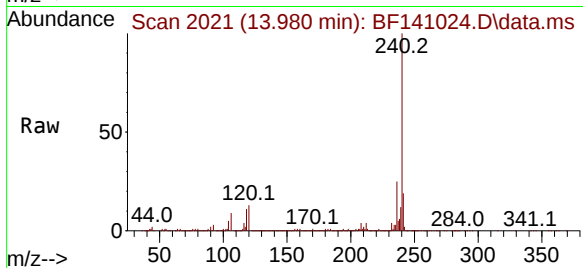
Tgt Ion:240 Resp: 625339

Ion Ratio Lower Upper

240 100

120 13.1 10.7 16.1

236 25.2 20.6 31.0



#79

Terphenyl-d14

Concen: 100.459 ng

RT: 12.939 min Scan# 1844

Delta R.T. 0.006 min

Lab File: BF141024.D

Acq: 30 Dec 2024 11:36

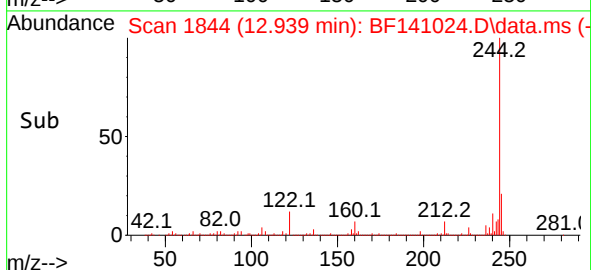
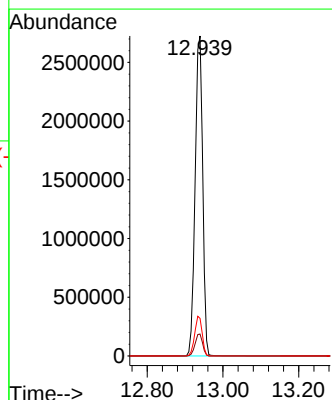
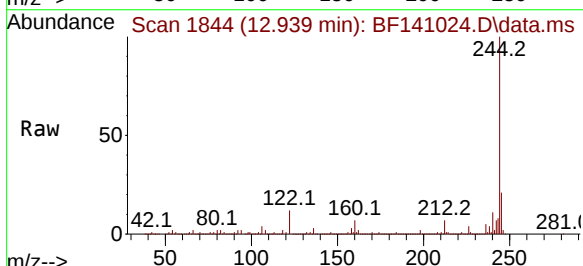
Tgt Ion:244 Resp: 3782107

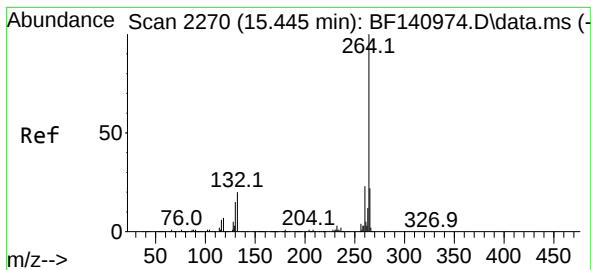
Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 11.8 10.2 15.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF141024.D

Acq: 30 Dec 2024 11:36

Instrument :

BNA_F

ClientSampleId :

PB165790BL

Tgt Ion:264 Resp: 515809

Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

265 21.2 17.4 26.2

