

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010325\
 Data File : BF141064.D
 Acq On : 03 Jan 2025 13:37
 Operator : RC/JU
 Sample : PB165945BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB165945BL

Quant Time: Jan 03 13:58:42 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)

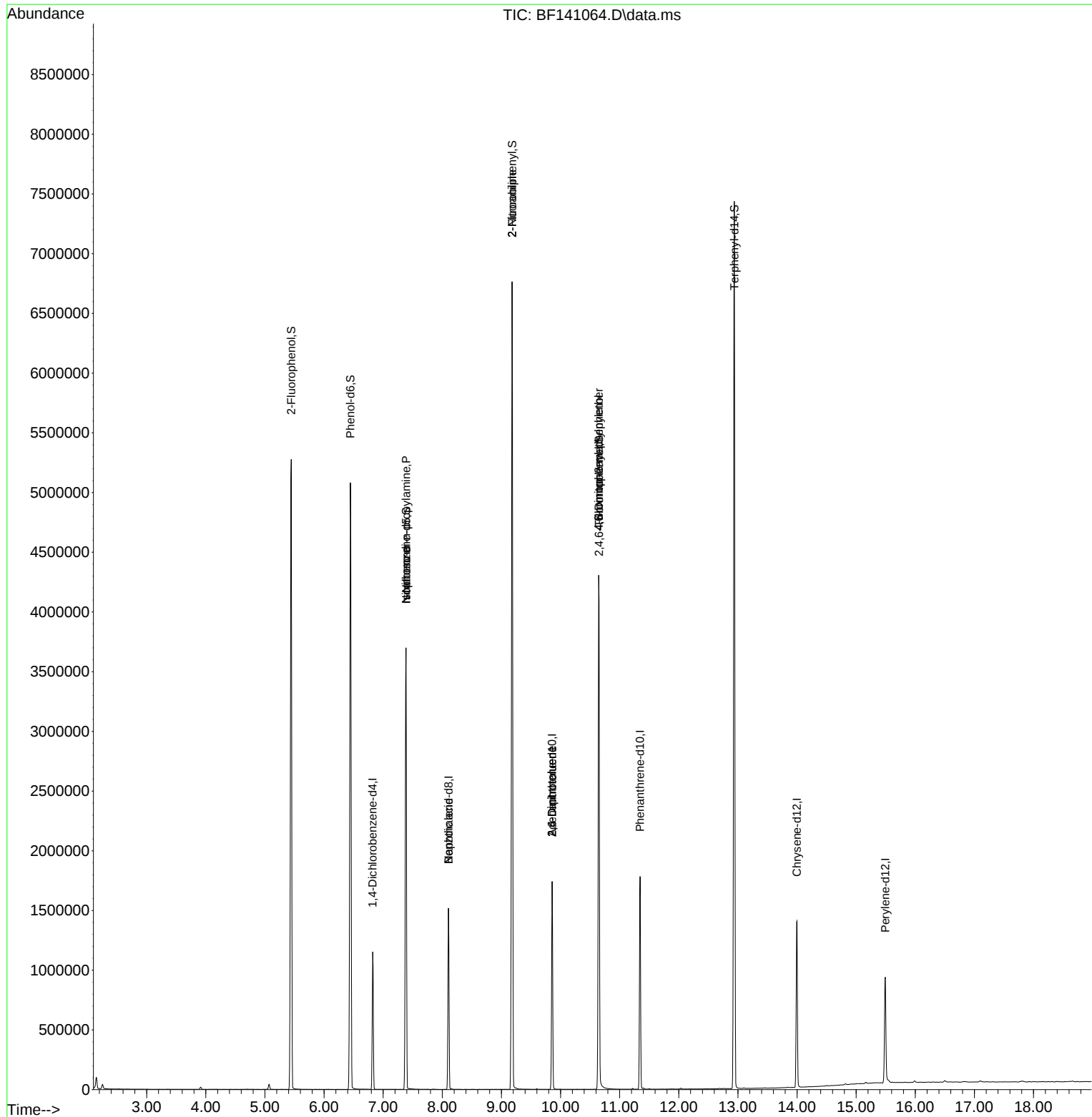
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	240487	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	960913	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	524906	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	903387	20.000	ng	0.00
76) Chrysene-d12	13.998	240	702140	20.000	ng	0.01
86) Perylene-d12	15.492	264	553985	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	2228014	139.652	ng	0.01
7) Phenol-d6	6.445	99	2765946	134.582	ng	0.00
23) Nitrobenzene-d5	7.387	82	1795834	119.567	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	862159	169.033	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	3202016	97.190	ng	0.00
79) Terphenyl-d14	12.939	244	3871328	91.581	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.445	77	4340	Below Cal	#	2
19) n-Nitroso-di-n-propyla...	7.387	70	239029	18.984	ng	# 77
25) Isophorone	7.387	82	1778969	54.431	ng	# 65
32) Benzoic acid	8.104	122	61	7.698	ng	# 1
48) 2-Nitroaniline	9.181	65	5414	5.244	ng	# 1
51) 2,6-Dinitrotoluene	9.857	165	66994	12.445	ng	# 23
57) 2,4-Dinitrotoluene	9.857	165	66994	11.546	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.645	198	1717	9.727	ng	# 1
67) 4-Bromophenyl-phenylether	10.645	248	53066	5.434	ng	# 1

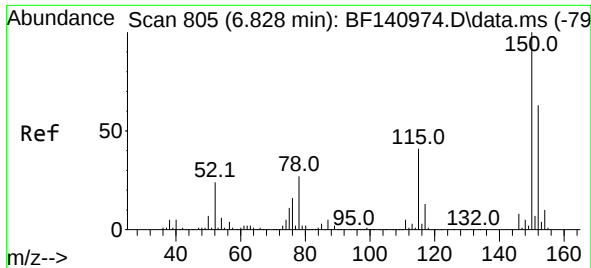
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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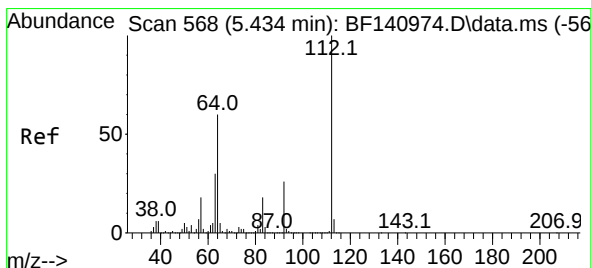
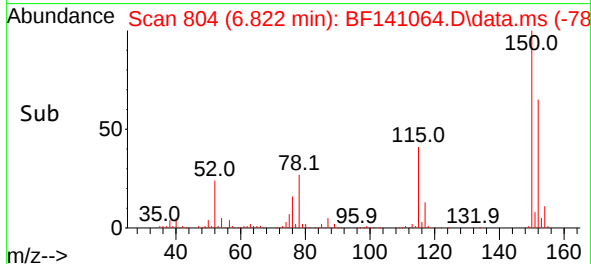
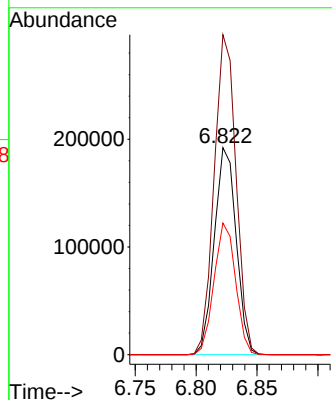
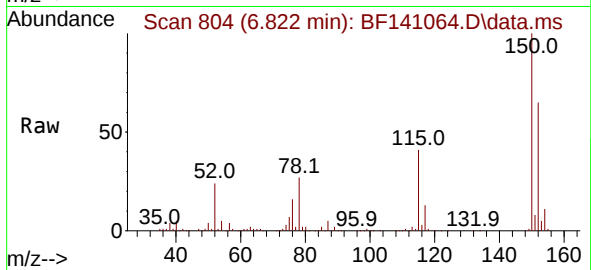




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141064.D
Acq: 03 Jan 2025 13:37

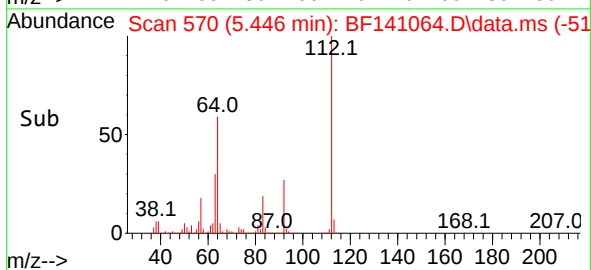
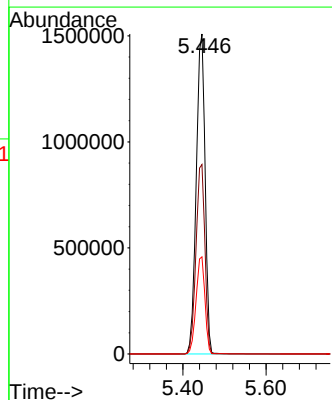
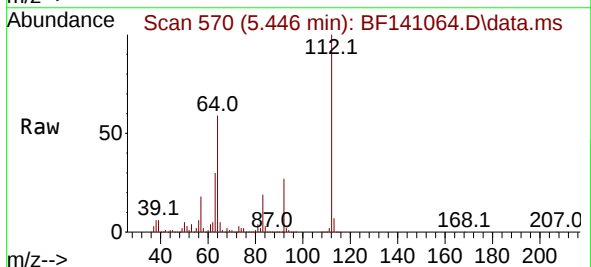
Instrument :
BNA_F
ClientSampleId :
PB165945BL

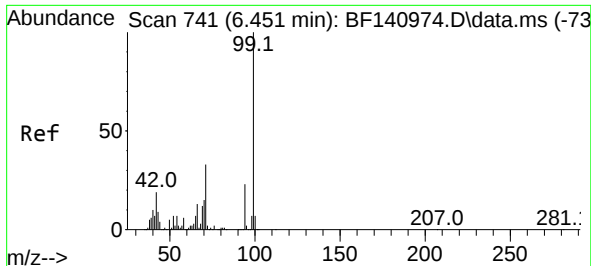
Tgt Ion:152 Resp: 240487
Ion Ratio Lower Upper
152 100
150 154.5 127.0 190.6
115 63.6 51.7 77.5



#5
2-Fluorophenol
Concen: 139.652 ng
RT: 5.446 min Scan# 570
Delta R.T. 0.012 min
Lab File: BF141064.D
Acq: 03 Jan 2025 13:37

Tgt Ion:112 Resp: 2228014
Ion Ratio Lower Upper
112 100
64 59.2 47.7 71.5
63 30.4 24.2 36.2



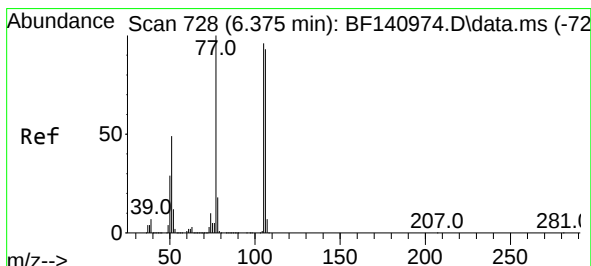
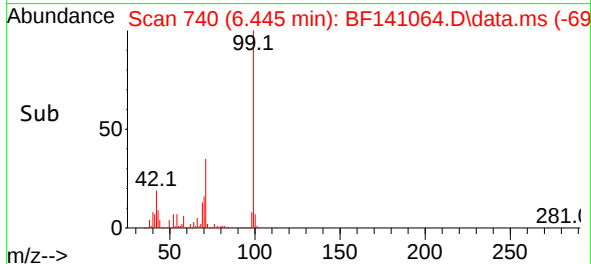
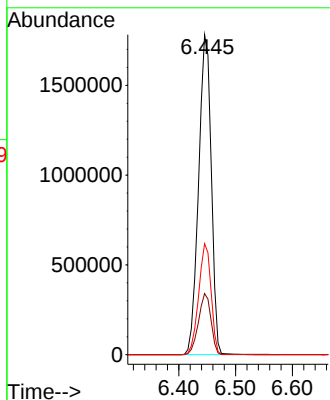
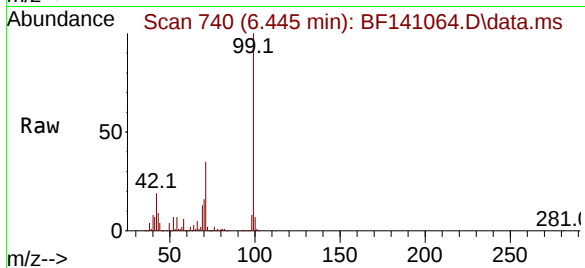


#7
Phenol-d6
Concen: 134.582 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF141064.D
Acq: 03 Jan 2025 13:37

Instrument :
BNA_F
ClientSampleId :
PB165945BL

Tgt Ion: 99 Resp: 2765946

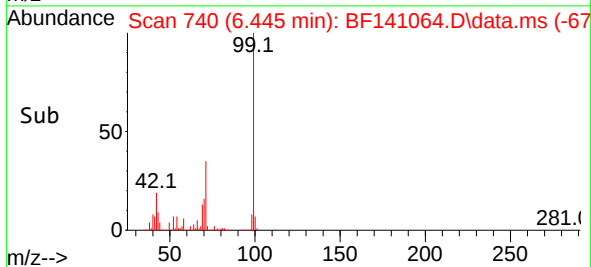
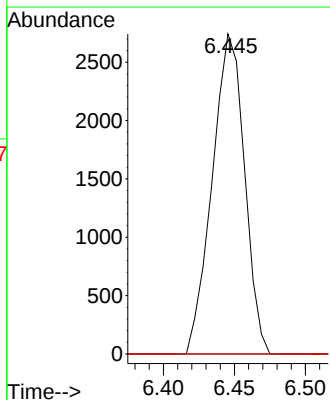
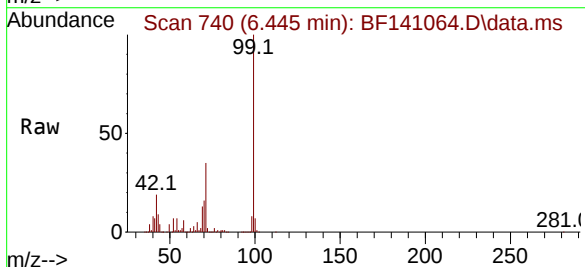
Ion	Ratio	Lower	Upper
99	100		
42	19.1	15.0	22.4
71	34.7	26.2	39.2

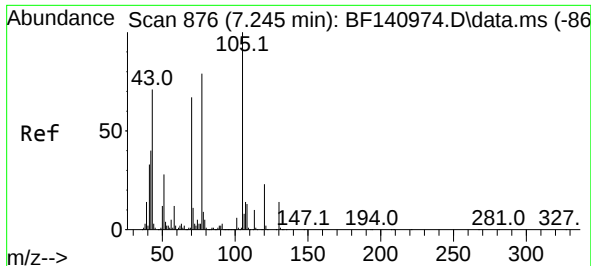


#9
Benzaldehyde
Concen: Below Cal
RT: 6.445 min Scan# 740
Delta R.T. 0.070 min
Lab File: BF141064.D
Acq: 03 Jan 2025 13:37

Tgt Ion: 77 Resp: 4340

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

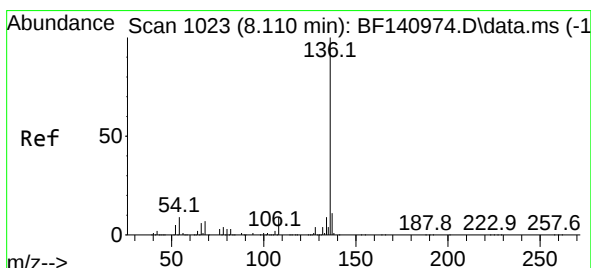
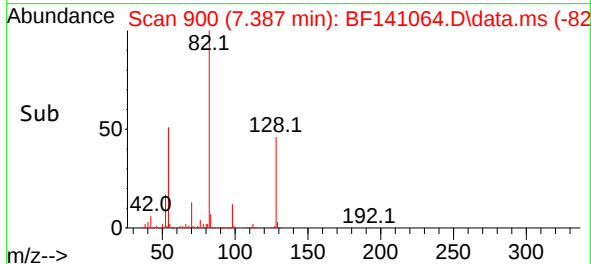
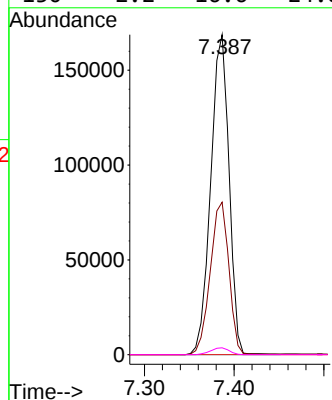
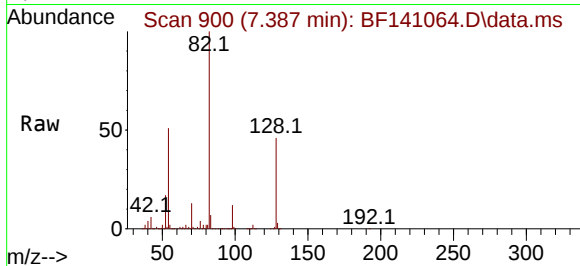




#19
n-Nitroso-di-n-propylamine
Concen: 18.984 ng
RT: 7.387 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF141064.D
Acq: 03 Jan 2025 13:37

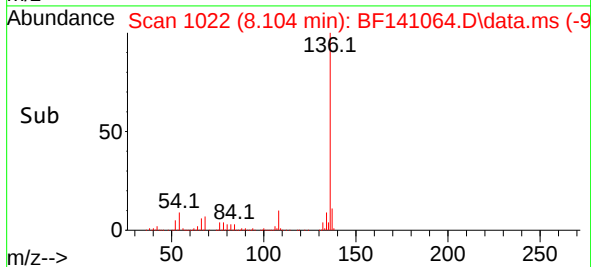
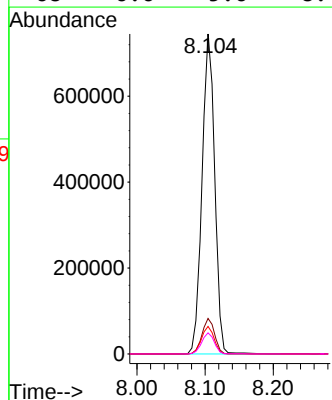
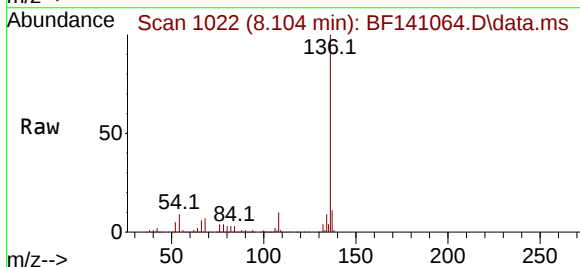
Instrument :
BNA_F
ClientSampleId :
PB165945BL

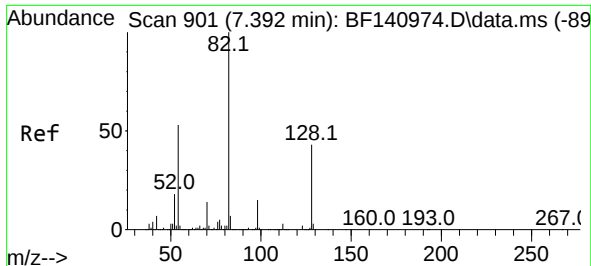
Tgt Ion: 70 Resp: 239029
Ion Ratio Lower Upper
70 100
42 47.7 48.1 72.1#
101 0.0 7.6 11.4#
130 2.2 16.6 24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141064.D
Acq: 03 Jan 2025 13:37

Tgt Ion: 136 Resp: 960913
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 8.6 7.6 11.4
68 6.6 5.6 8.4

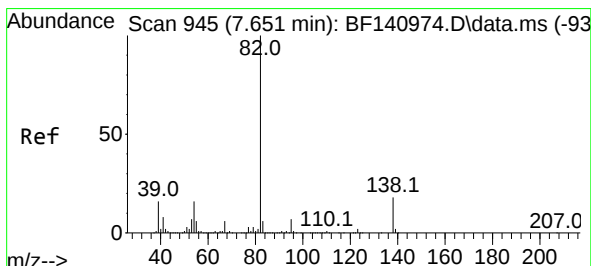
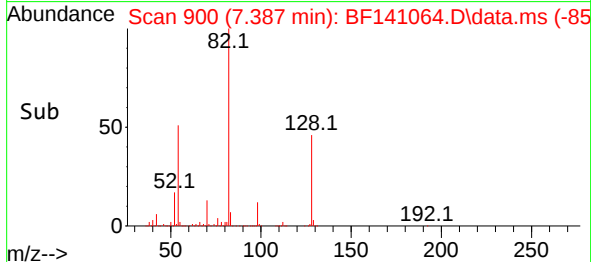
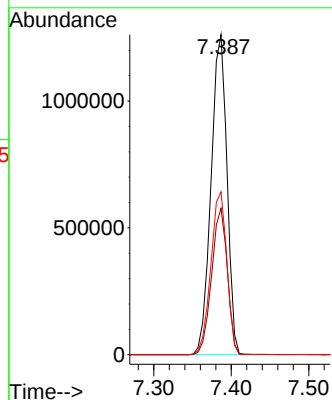
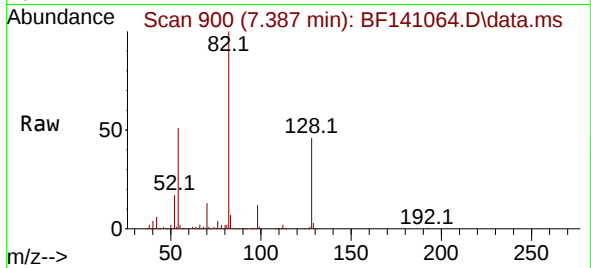




#23
Nitrobenzene-d5
Concen: 119.567 ng
RT: 7.387 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF141064.D
Acq: 03 Jan 2025 13:37

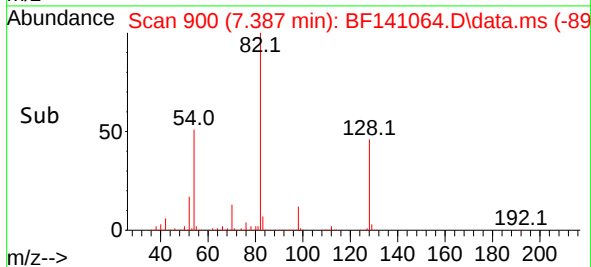
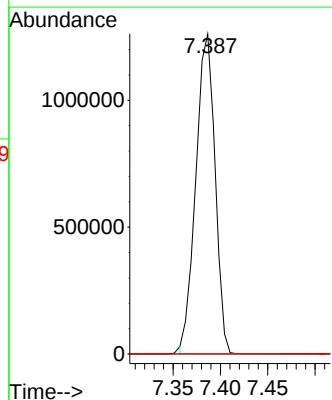
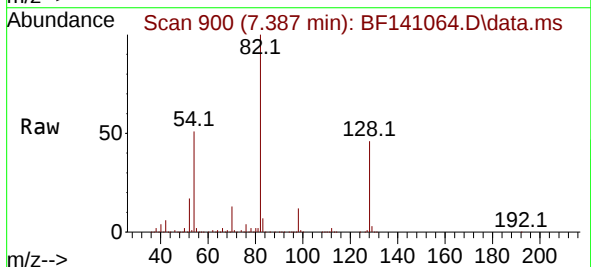
Instrument :
BNA_F
ClientSampleId :
PB165945BL

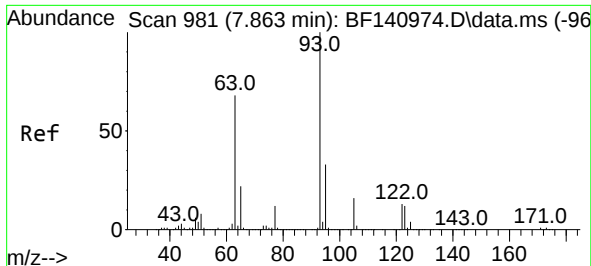
Tgt Ion: 82 Resp: 1795834
Ion Ratio Lower Upper
82 100
128 45.7 34.4 51.6
54 50.9 42.4 63.6



#25
Isophorone
Concen: 54.431 ng
RT: 7.387 min Scan# 900
Delta R.T. -0.265 min
Lab File: BF141064.D
Acq: 03 Jan 2025 13:37

Tgt Ion: 82 Resp: 1778969
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 21.8#

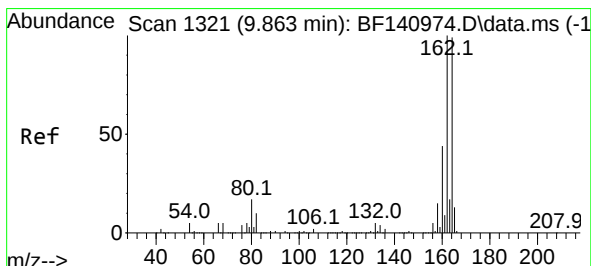
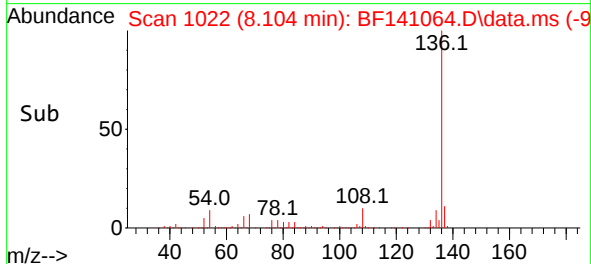
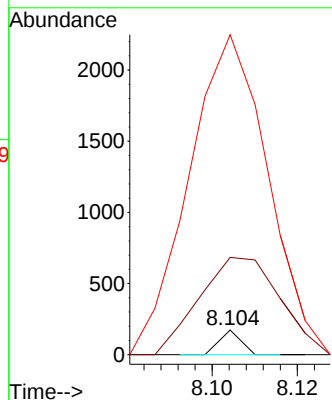
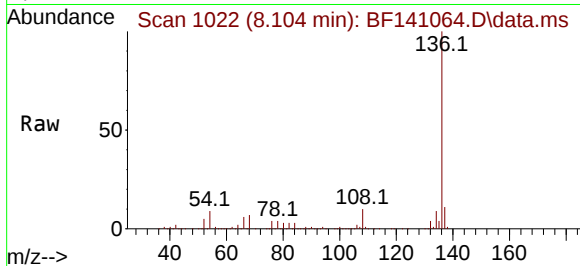




#32
Benzoic acid
Concen: 7.698 ng
RT: 8.104 min Scan# 10
Delta R.T. 0.241 min
Lab File: BF141064.D
Acq: 03 Jan 2025 13:37

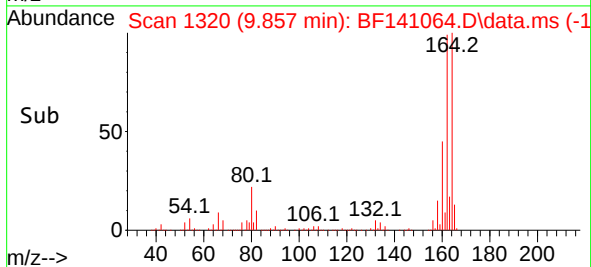
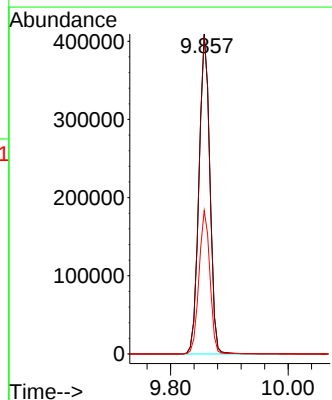
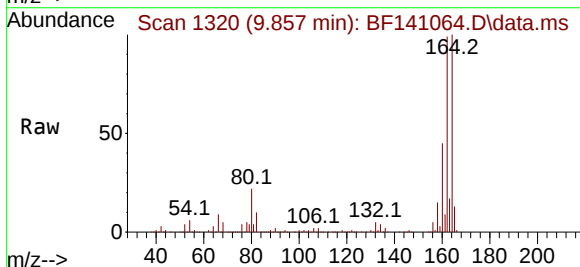
Instrument :
BNA_F
ClientSampleId :
PB165945BL

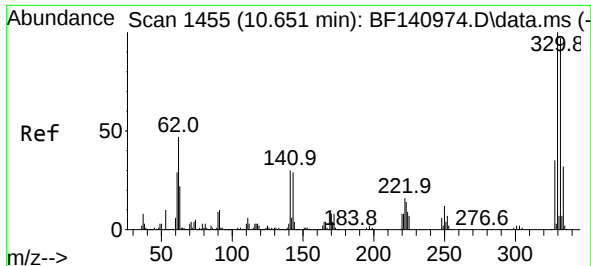
Tgt Ion:122 Resp: 61
Ion Ratio Lower Upper
122 100
105 393.1 105.4 145.4#
77 1292.0 76.4 116.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF141064.D
Acq: 03 Jan 2025 13:37

Tgt Ion:164 Resp: 524906
Ion Ratio Lower Upper
164 100
162 99.4 80.6 120.8
160 44.8 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 169.033 ng

RT: 10.651 min Scan# 1455

Delta R.T. 0.000 min

Lab File: BF141064.D

Acq: 03 Jan 2025 13:37

Instrument :

BNA_F

ClientSampleId :

PB165945BL

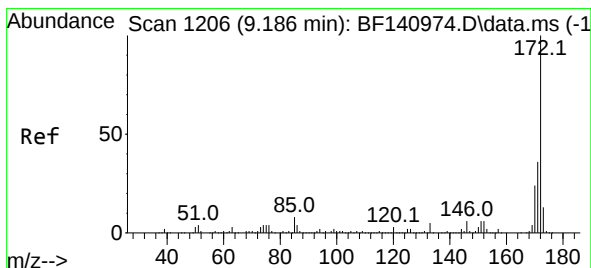
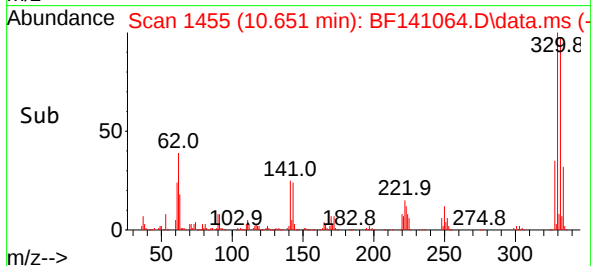
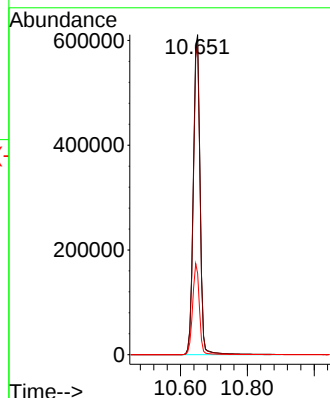
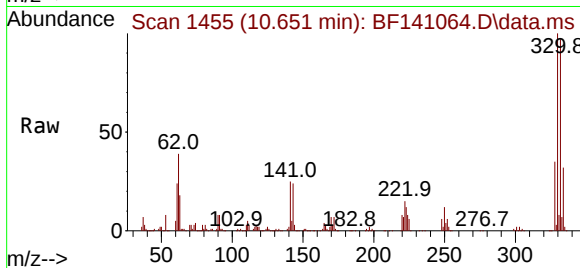
Tgt Ion:330 Resp: 862159

Ion Ratio Lower Upper

330 100

332 96.8 78.0 117.0

141 28.3 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 97.190 ng

RT: 9.181 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF141064.D

Acq: 03 Jan 2025 13:37

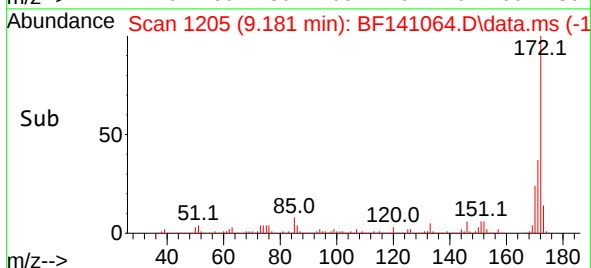
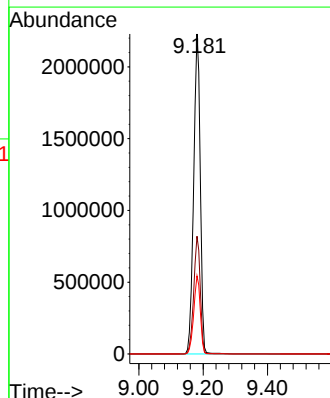
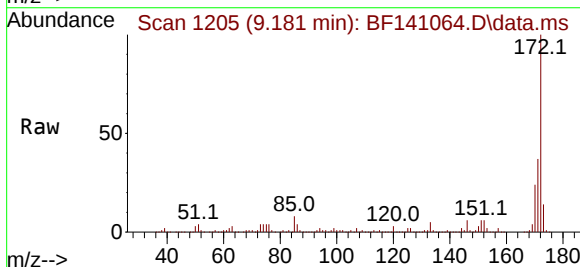
Tgt Ion:172 Resp: 3202016

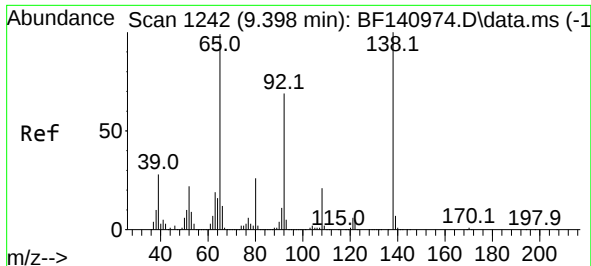
Ion Ratio Lower Upper

172 100

171 36.8 29.0 43.4

170 24.4 19.6 29.4





#48

2-Nitroaniline

Concen: 5.244 ng

RT: 9.181 min Scan# 11

Delta R.T. -0.217 min

Lab File: BF141064.D

Acq: 03 Jan 2025 13:37

Instrument :

BNA_F

ClientSampleId :

PB165945BL

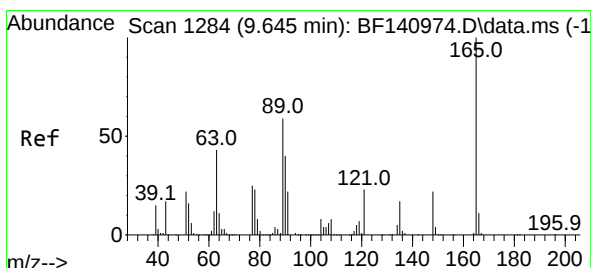
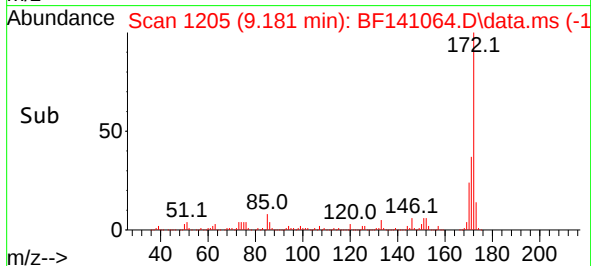
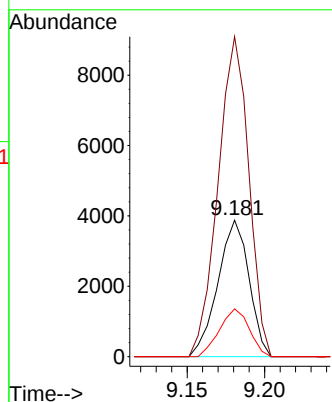
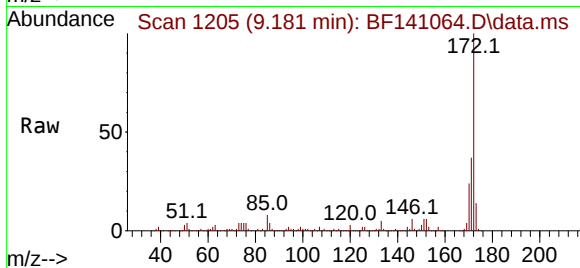
Tgt Ion: 65 Resp: 5414

Ion Ratio Lower Upper

65 100

92 234.4 55.6 83.4#

138 35.0 80.5 120.7#



#51

2,6-Dinitrotoluene

Concen: 12.445 ng

RT: 9.857 min Scan# 1320

Delta R.T. 0.212 min

Lab File: BF141064.D

Acq: 03 Jan 2025 13:37

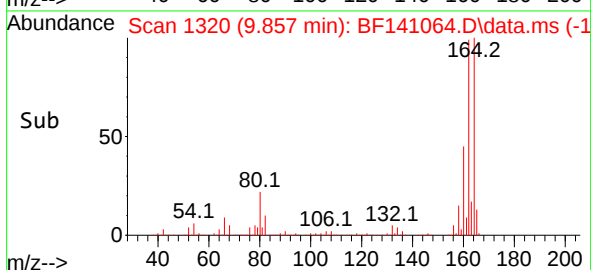
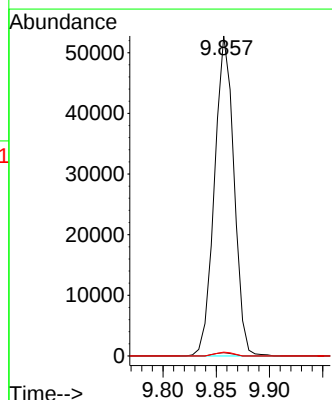
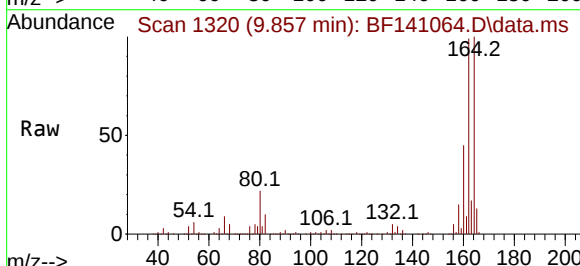
Tgt Ion:165 Resp: 66994

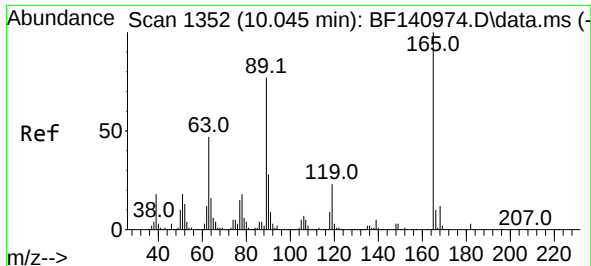
Ion Ratio Lower Upper

165 100

63 1.0 47.1 70.7#

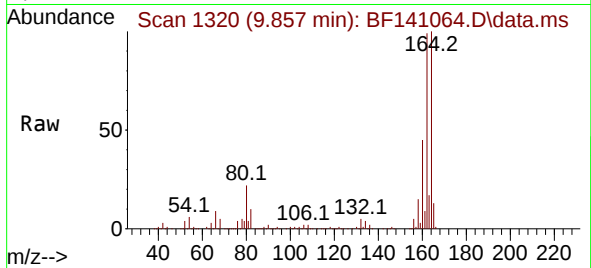
89 1.2 47.0 70.4#



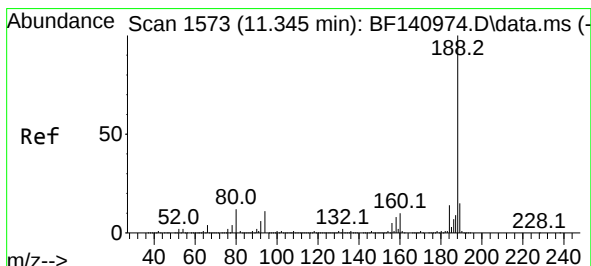
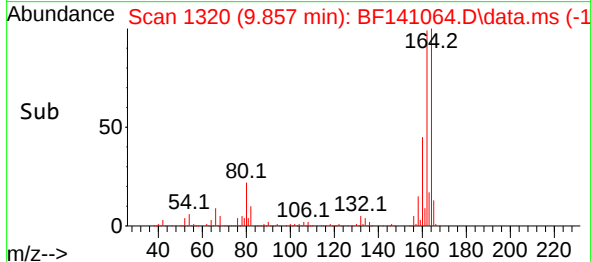
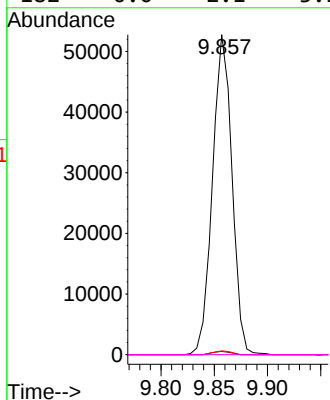


#57
2,4-Dinitrotoluene
Concen: 11.546 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF141064.D
Acq: 03 Jan 2025 13:37

Instrument :
BNA_F
ClientSampleId :
PB165945BL

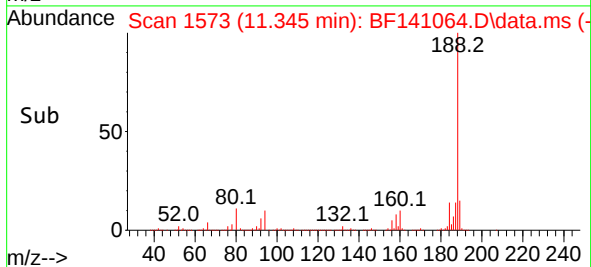
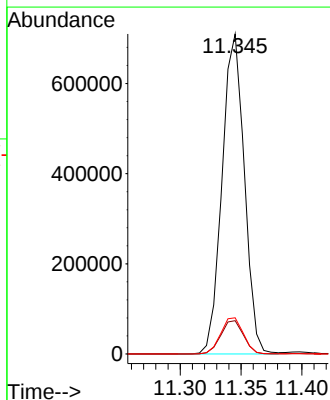
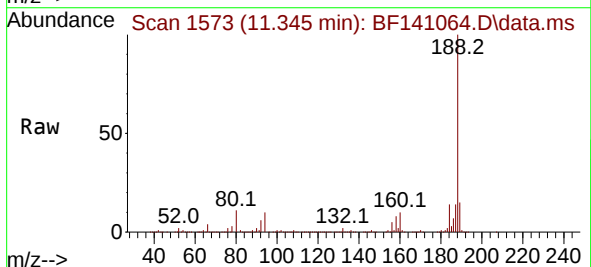


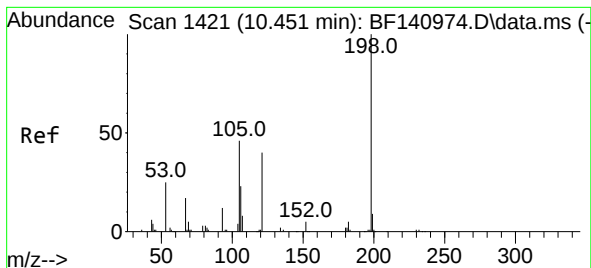
Tgt Ion:165 Resp: 66994
Ion Ratio Lower Upper
165 100
63 1.0 38.1 57.1#
89 1.2 61.4 92.2#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF141064.D
Acq: 03 Jan 2025 13:37

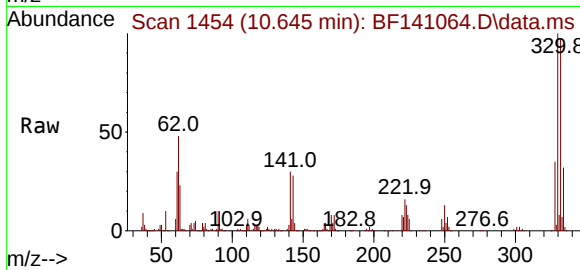
Tgt Ion:188 Resp: 903387
Ion Ratio Lower Upper
188 100
94 10.4 9.0 13.6
80 11.3 9.8 14.6



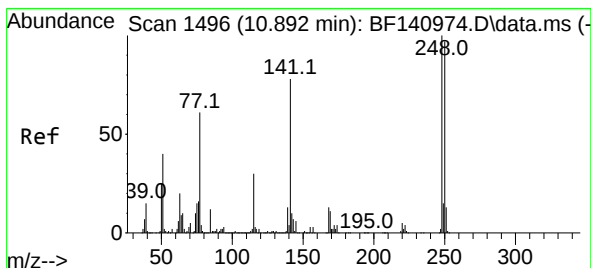
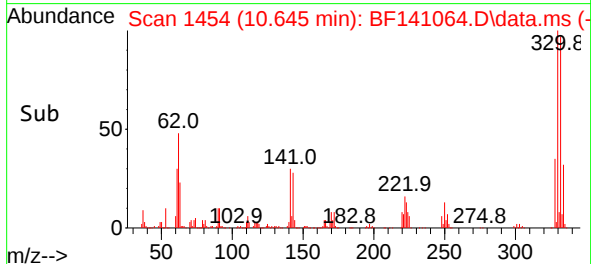
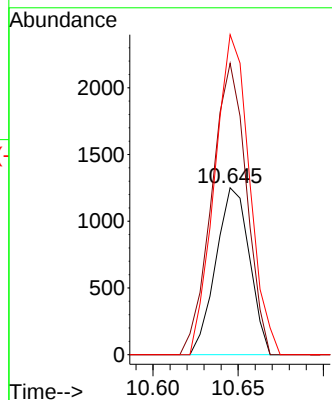


#65
4,6-Dinitro-2-methylphenol
Concen: 9.727 ng
RT: 10.645 min Scan# 1421
Delta R.T. 0.194 min
Lab File: BF141064.D
Acq: 03 Jan 2025 13:37

Instrument :
BNA_F
ClientSampleId :
PB165945BL

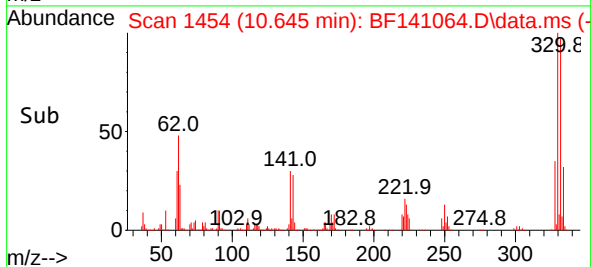
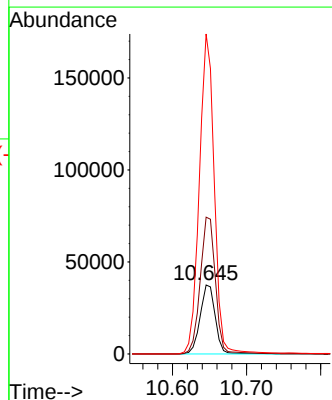
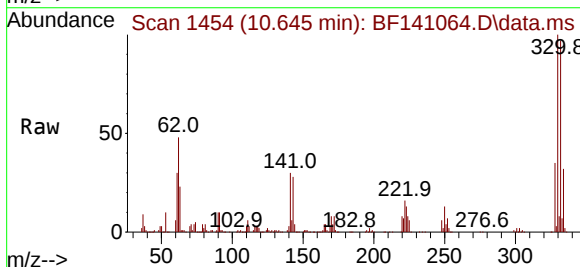


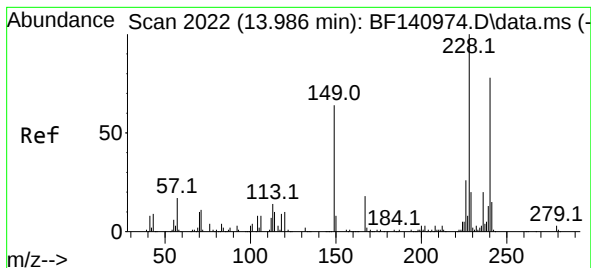
Tgt Ion:198 Resp: 1717
Ion Ratio Lower Upper
198 100
51 174.6 32.3 72.3#
105 191.8 28.4 68.4#



#67
4-Bromophenyl-phenylether
Concen: 5.434 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.247 min
Lab File: BF141064.D
Acq: 03 Jan 2025 13:37

Tgt Ion:248 Resp: 53066
Ion Ratio Lower Upper
248 100
250 198.5 77.7 116.5#
141 464.4 62.1 93.1#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF141064.D

Acq: 03 Jan 2025 13:37

Instrument :

BNA_F

ClientSampleId :

PB165945BL

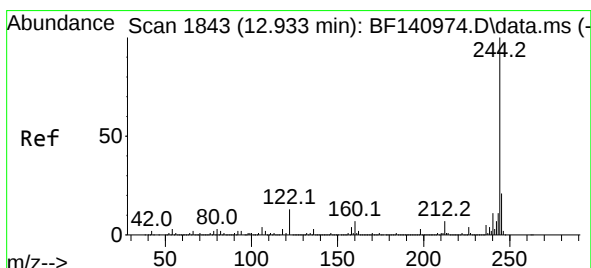
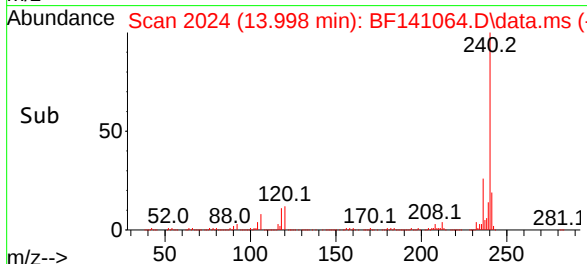
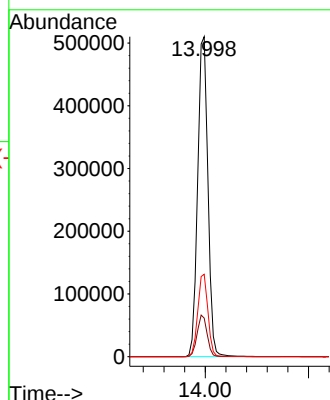
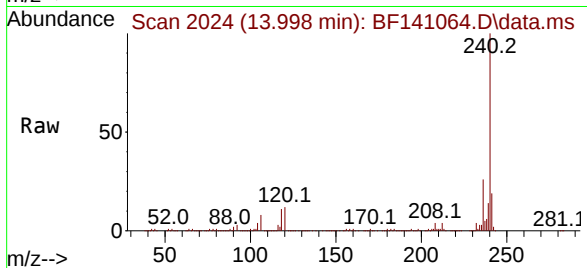
Tgt Ion:240 Resp: 702140

Ion Ratio Lower Upper

240 100

120 12.1 10.7 16.1

236 25.7 20.6 31.0



#79

Terphenyl-d14

Concen: 91.581 ng

RT: 12.939 min Scan# 1844

Delta R.T. 0.006 min

Lab File: BF141064.D

Acq: 03 Jan 2025 13:37

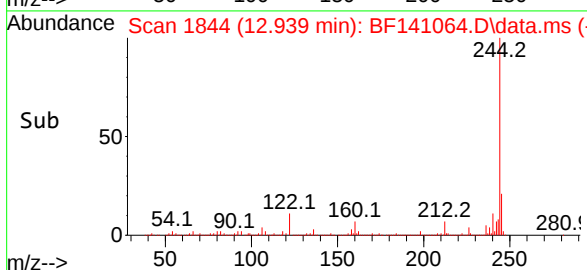
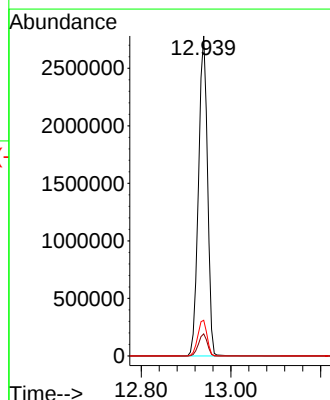
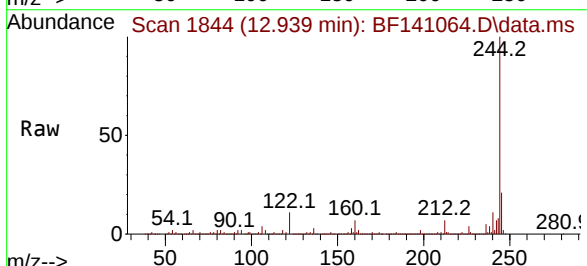
Tgt Ion:244 Resp: 3871328

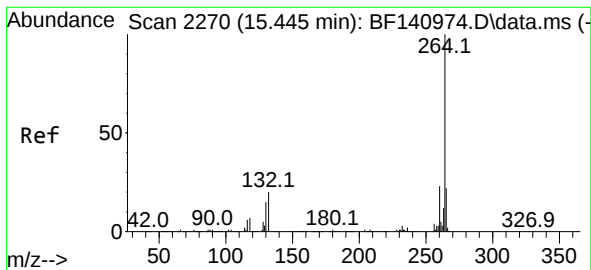
Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

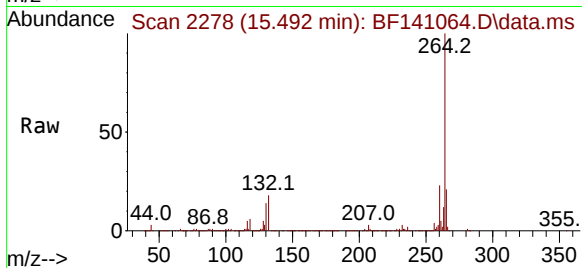
122 11.2 10.2 15.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 21
Delta R.T. 0.047 min
Lab File: BF141064.D
Acq: 03 Jan 2025 13:37

Instrument :
BNA_F
ClientSampleId :
PB165945BL



Tgt Ion:264 Resp: 553985

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	21.5	17.4	26.2

