

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010825\
 Data File : BF141087.D
 Acq On : 08 Jan 2025 16:45
 Operator : RC/JU
 Sample : Q1034-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T2

Quant Time: Jan 08 17:05:23 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)

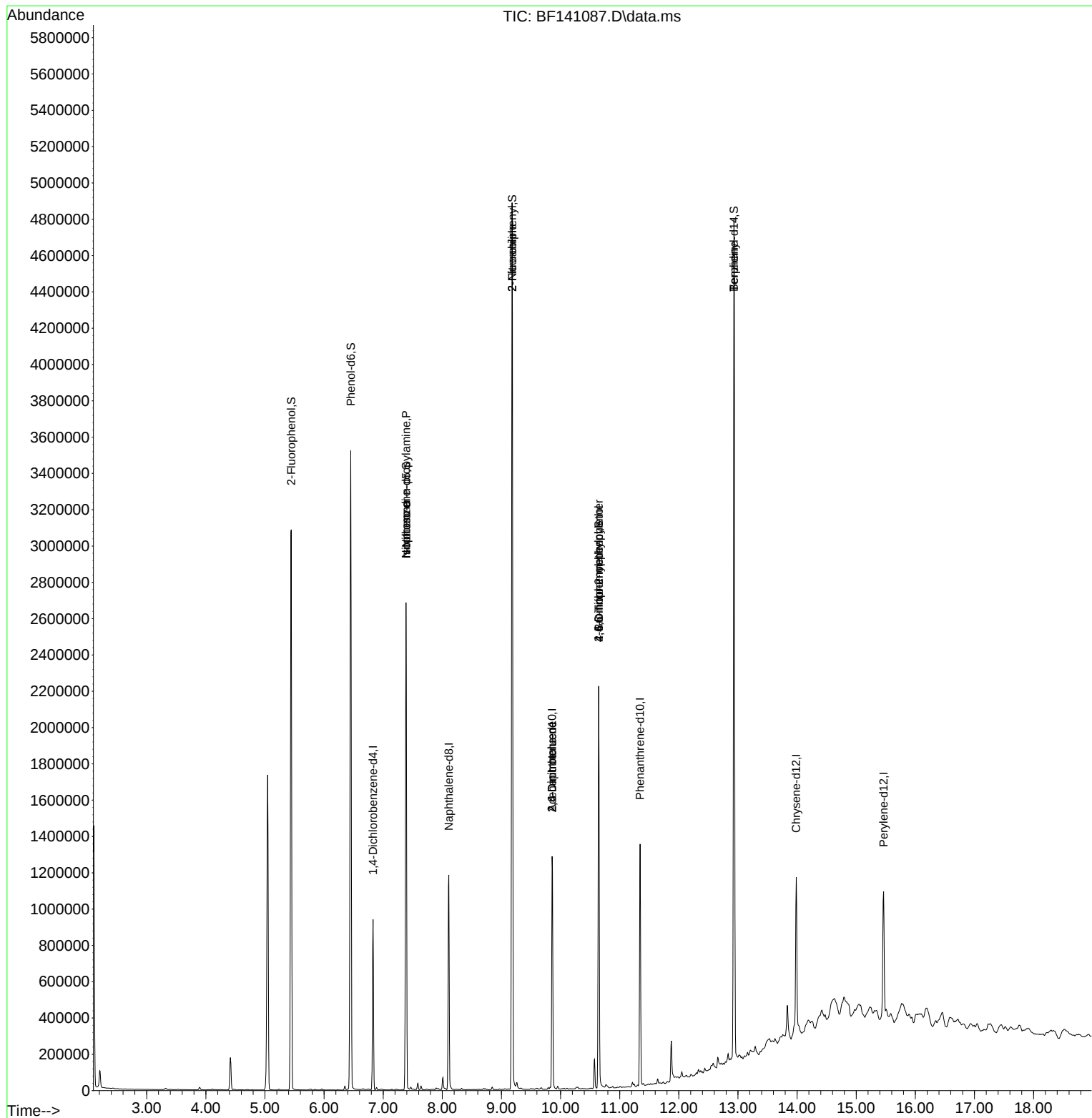
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	190685	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	748194	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	399273	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	662834	20.000	ng	0.00
76) Chrysene-d12	13.986	240	391083	20.000	ng	0.00
86) Perylene-d12	15.462	264	415878	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	1242322	98.206	ng	0.01
7) Phenol-d6	6.451	99	1790156	109.852	ng	0.00
23) Nitrobenzene-d5	7.386	82	1225722	104.811	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	395152	101.850	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	2204593	87.971	ng	0.00
79) Terphenyl-d14	12.933	244	2345959	99.637	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.375	77	321	Below Cal	#	46
19) n-Nitroso-di-n-propyla...	7.386	70	165191	16.546	ng	# 78
25) Isophorone	7.386	82	1208409	47.485	ng	# 65
48) 2-Nitroaniline	9.180	65	3658	5.177	ng	# 1
51) 2,6-Dinitrotoluene	9.857	165	52273	12.671	ng	# 23
57) 2,4-Dinitrotoluene	9.857	165	52274	11.728	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.645	198	721	9.563	ng	# 1
67) 4-Bromophenyl-phenylether	10.645	248	23977	3.346	ng	# 1
77) Benzidine	12.933	184	30629	3.706	ng	# 93

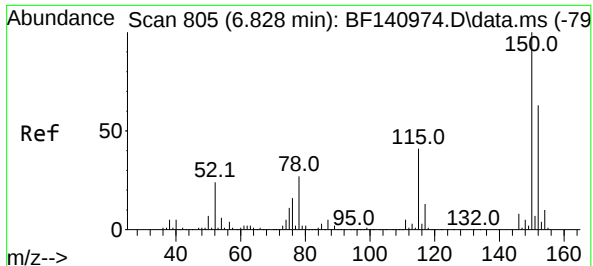
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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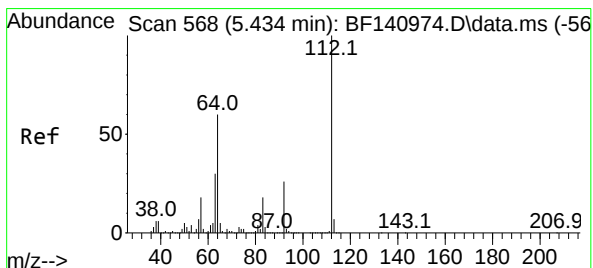
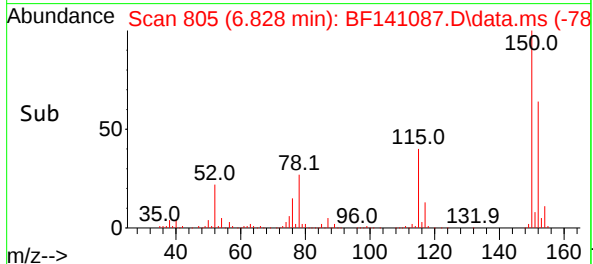
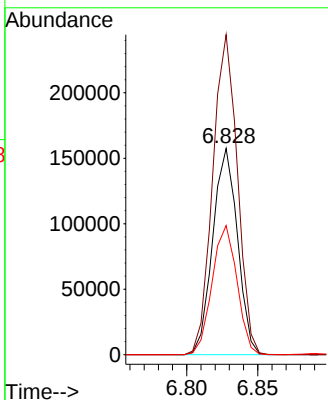
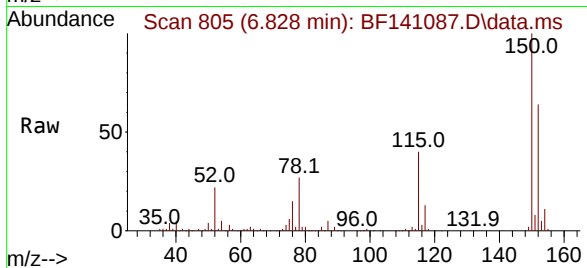




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF141087.D
Acq: 08 Jan 2025 16:45

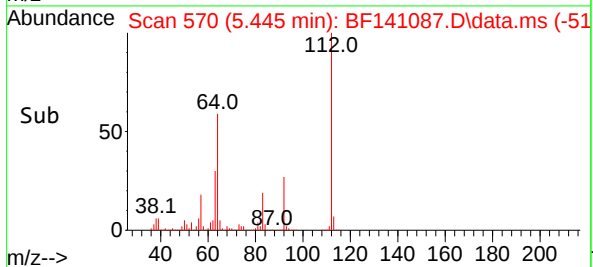
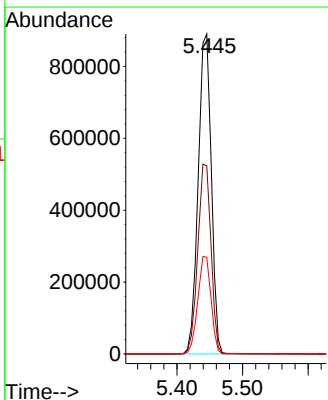
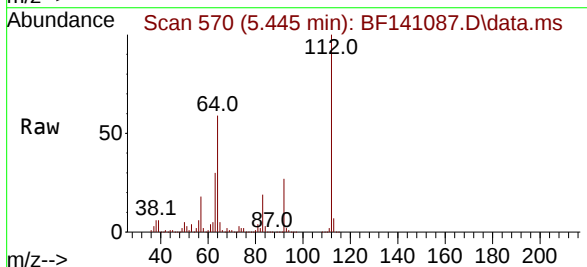
Instrument :
BNA_F
ClientSampleId :
T2

Tgt Ion:152 Resp: 190685
Ion Ratio Lower Upper
152 100
150 155.1 127.0 190.6
115 62.6 51.7 77.5



#5
2-Fluorophenol
Concen: 98.206 ng
RT: 5.445 min Scan# 570
Delta R.T. 0.012 min
Lab File: BF141087.D
Acq: 08 Jan 2025 16:45

Tgt Ion:112 Resp: 1242322
Ion Ratio Lower Upper
112 100
64 58.8 47.7 71.5
63 30.2 24.2 36.2

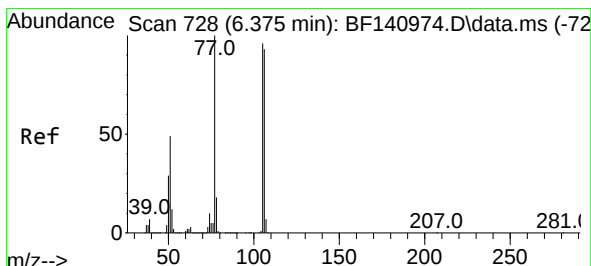
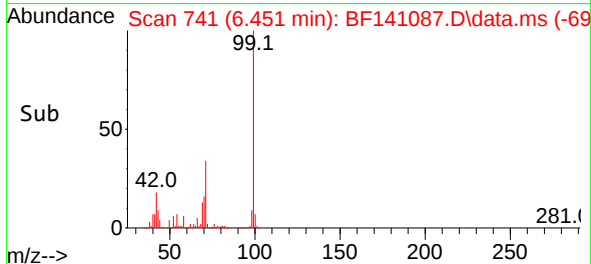
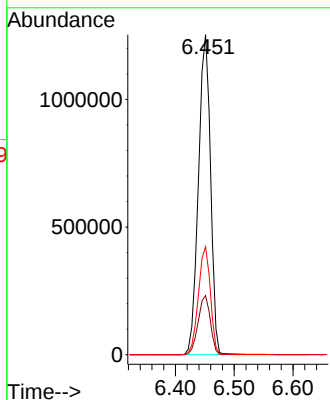
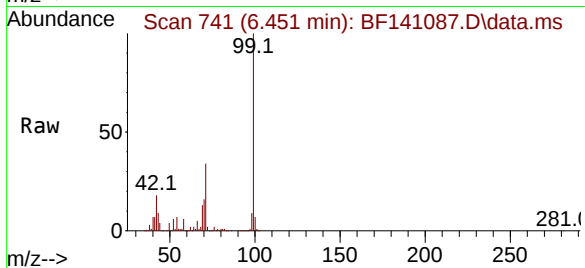




#7
Phenol-d6
Concen: 109.852 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF141087.D
Acq: 08 Jan 2025 16:45

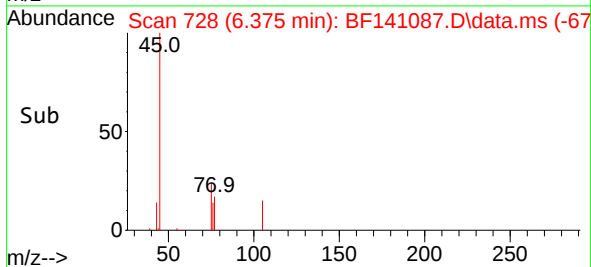
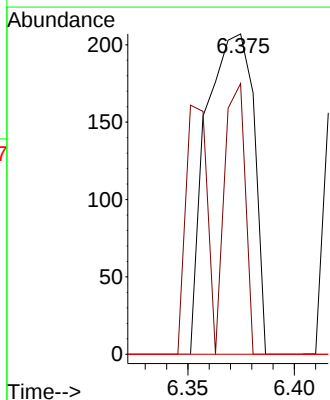
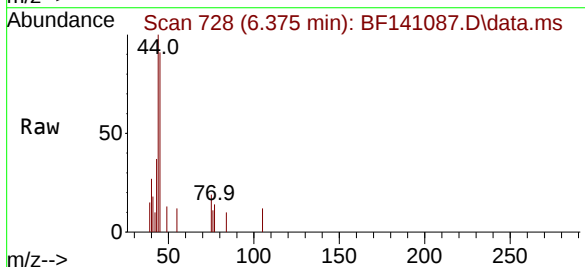
Instrument :
BNA_F
ClientSampleId :
T2

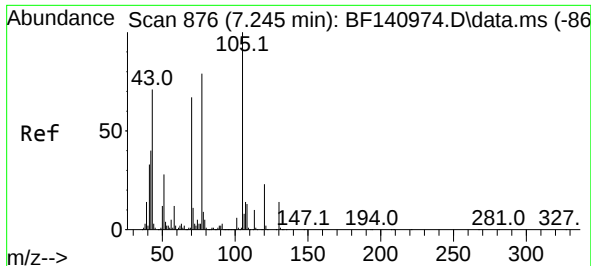
Tgt Ion: 99 Resp: 1790156
Ion Ratio Lower Upper
99 100
42 18.5 15.0 22.4
71 33.7 26.2 39.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.375 min Scan# 728
Delta R.T. -0.000 min
Lab File: BF141087.D
Acq: 08 Jan 2025 16:45

Tgt Ion: 77 Resp: 321
Ion Ratio Lower Upper
77 100
105 84.5 76.2 116.2
106 0.0 73.4 113.4#

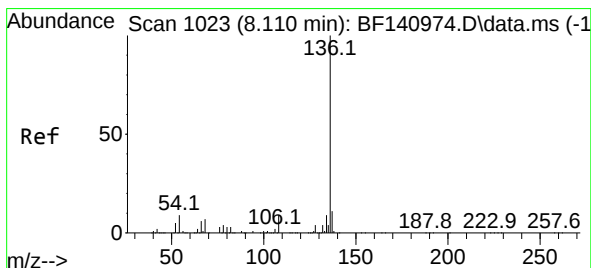
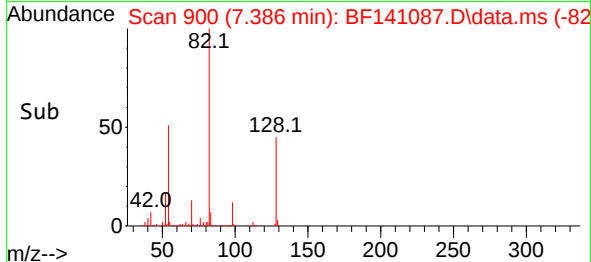
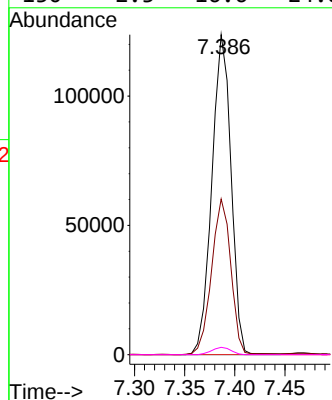
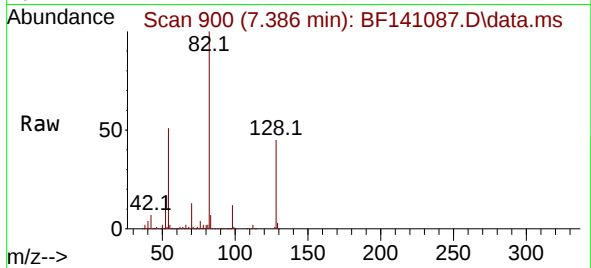




#19
n-Nitroso-di-n-propylamine
Concen: 16.546 ng
RT: 7.386 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF141087.D
Acq: 08 Jan 2025 16:45

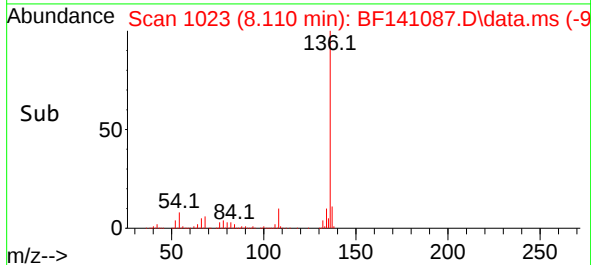
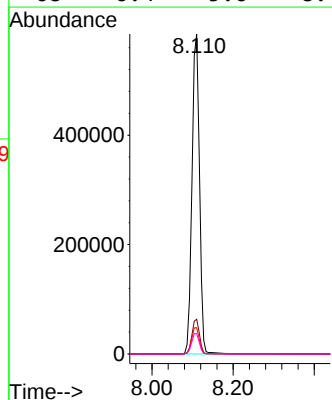
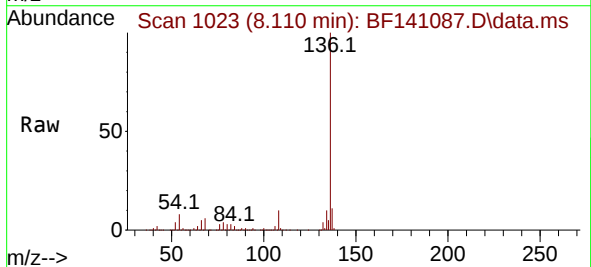
Instrument :
BNA_F
ClientSampleId :
T2

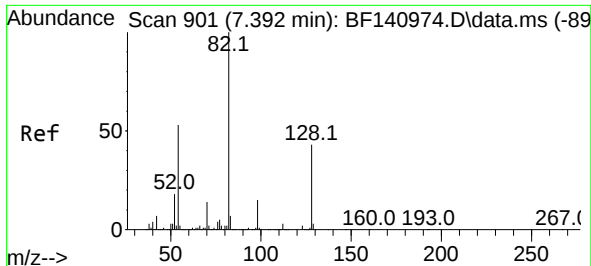
Tgt Ion: 70 Resp: 165191
Ion Ratio Lower Upper
70 100
42 48.6 48.1 72.1
101 0.0 7.6 11.4#
130 2.3 16.6 24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF141087.D
Acq: 08 Jan 2025 16:45

Tgt Ion: 136 Resp: 748194
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 8.2 7.6 11.4
68 6.4 5.6 8.4





#23

Nitrobenzene-d5

Concen: 104.811 ng

RT: 7.386 min Scan# 900

Delta R.T. -0.006 min

Lab File: BF141087.D

Acq: 08 Jan 2025 16:45

Instrument :

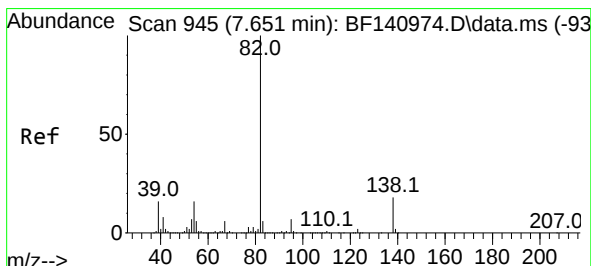
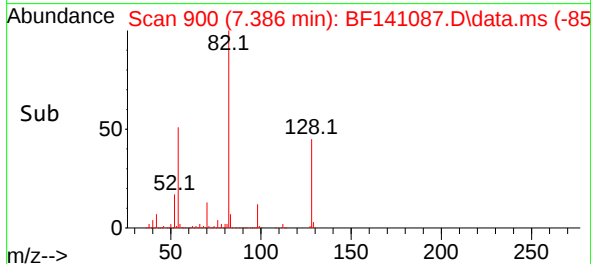
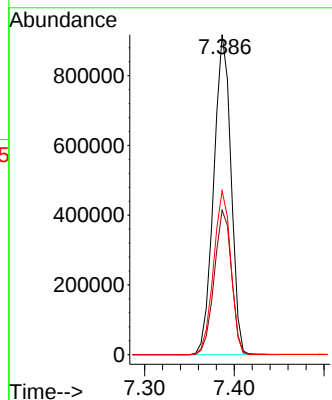
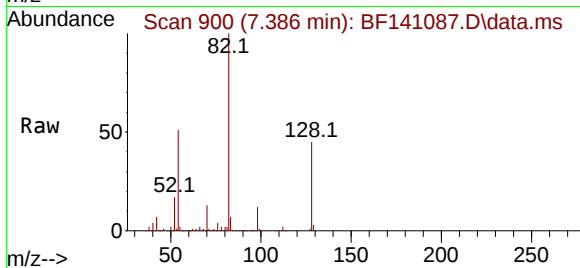
BNA_F

ClientSampleId :

T2

Tgt Ion: 82 Resp: 1225722

Ion	Ratio	Lower	Upper
82	100		
128	45.2	34.4	51.6
54	51.2	42.4	63.6



#25

Isophorone

Concen: 47.485 ng

RT: 7.386 min Scan# 900

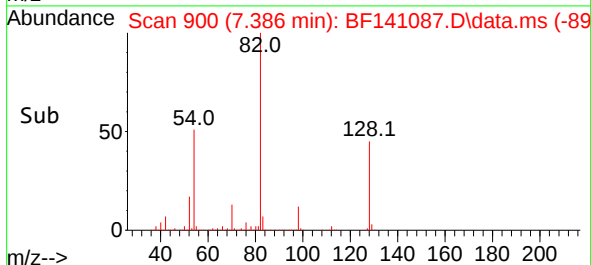
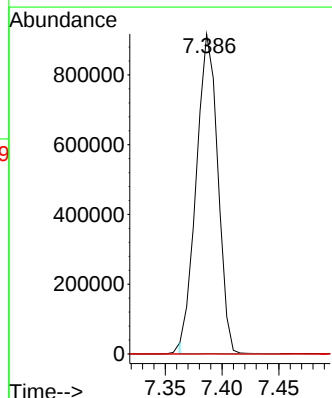
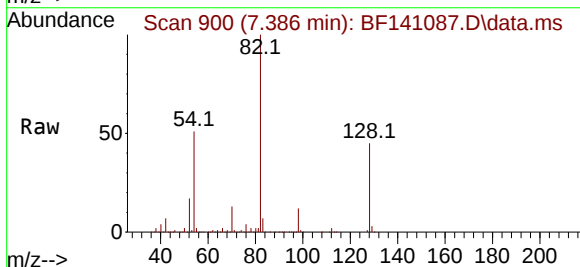
Delta R.T. -0.265 min

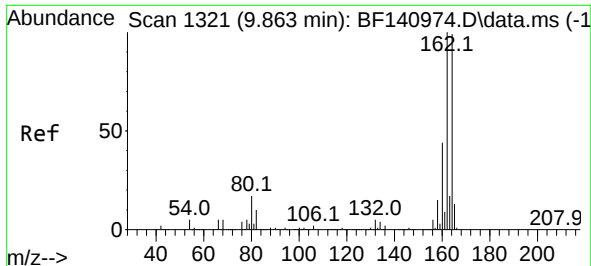
Lab File: BF141087.D

Acq: 08 Jan 2025 16:45

Tgt Ion: 82 Resp: 1208409

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.6	21.8#

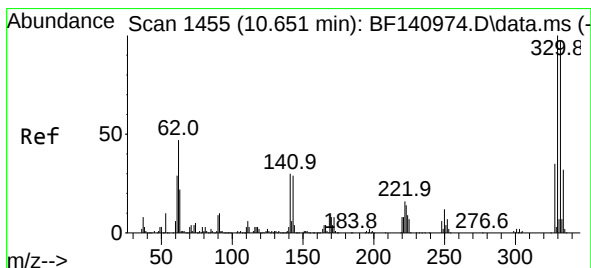
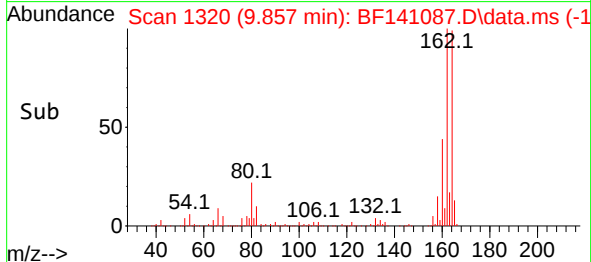
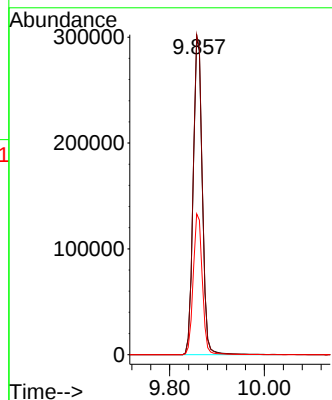
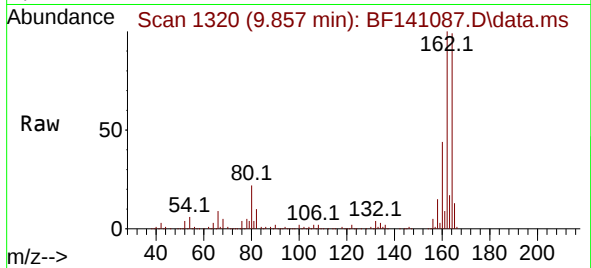




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141087.D
Acq: 08 Jan 2025 16:45

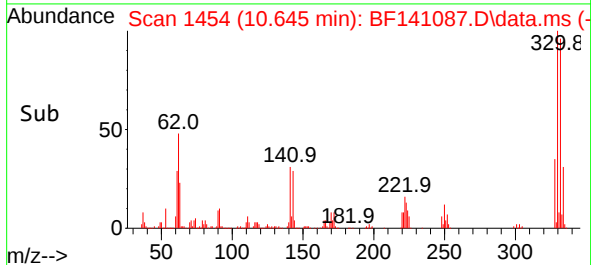
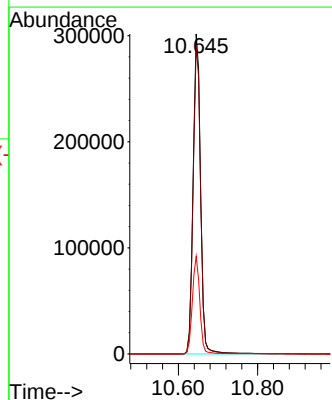
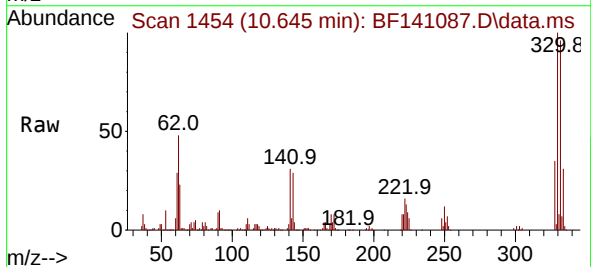
Instrument :
BNA_F
ClientSampleId :
T2

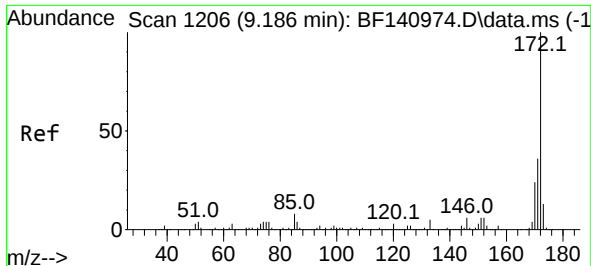
Tgt Ion:164 Resp: 399273
Ion Ratio Lower Upper
164 100
162 101.1 80.6 120.8
160 44.5 35.7 53.5



#42
2,4,6-Tribromophenol
Concen: 101.850 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF141087.D
Acq: 08 Jan 2025 16:45

Tgt Ion:330 Resp: 395152
Ion Ratio Lower Upper
330 100
332 96.8 78.0 117.0
141 30.4 26.4 39.6





#45

2-Fluorobiphenyl

Concen: 87.971 ng

RT: 9.180 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141087.D

Acq: 08 Jan 2025 16:45

Instrument :

BNA_F

ClientSampleId :

T2

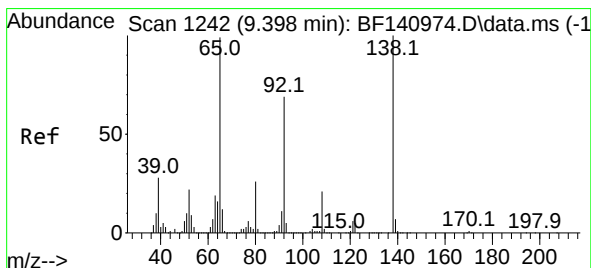
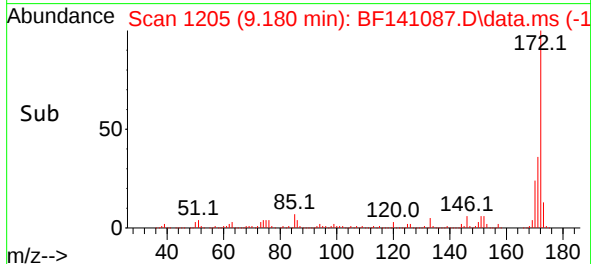
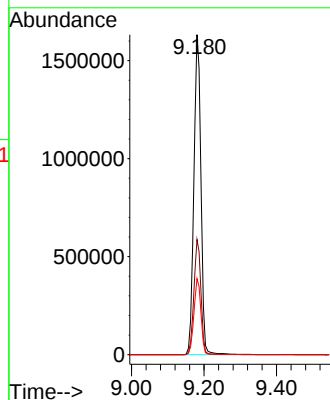
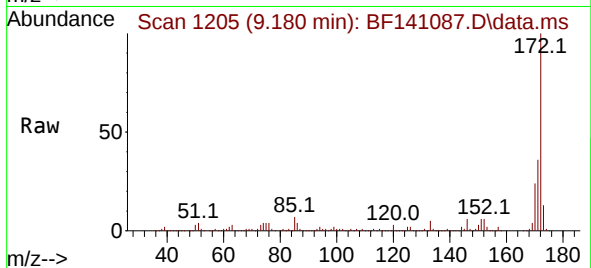
Tgt Ion:172 Resp: 2204593

Ion Ratio Lower Upper

172 100

171 36.0 29.0 43.4

170 23.8 19.6 29.4



#48

2-Nitroaniline

Concen: 5.177 ng

RT: 9.180 min Scan# 1205

Delta R.T. -0.218 min

Lab File: BF141087.D

Acq: 08 Jan 2025 16:45

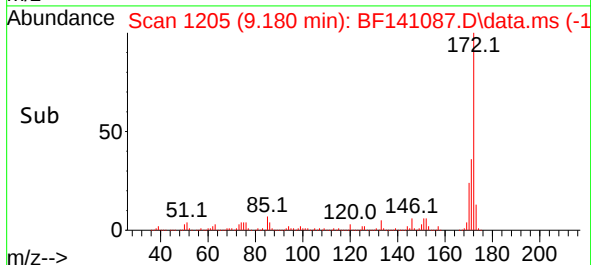
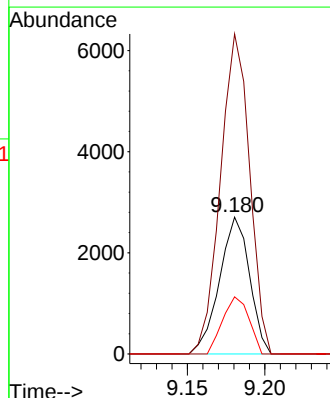
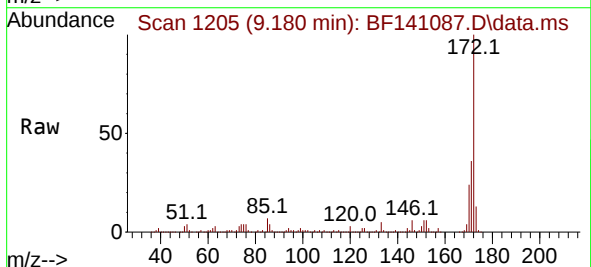
Tgt Ion: 65 Resp: 3658

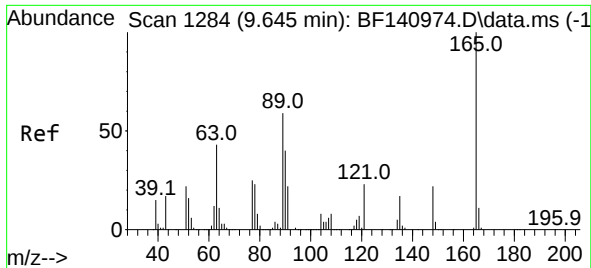
Ion Ratio Lower Upper

65 100

92 233.9 55.6 83.4#

138 41.8 80.5 120.7#

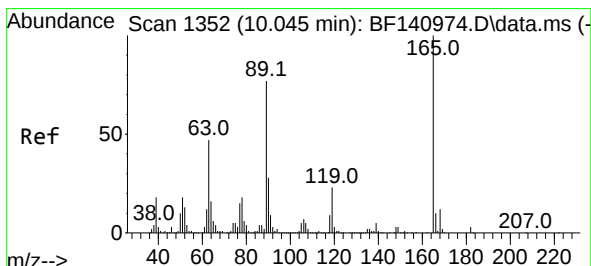
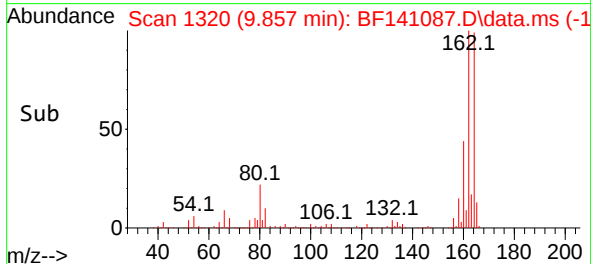
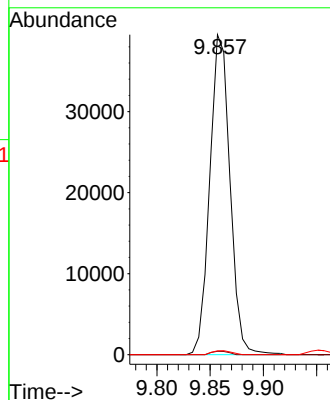
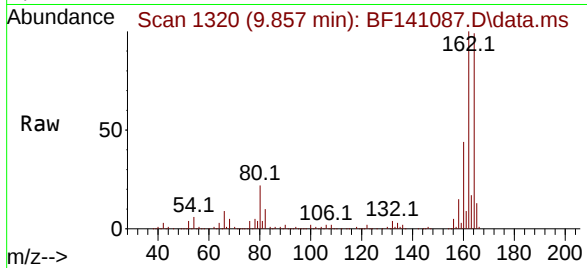




#51
2,6-Dinitrotoluene
Concen: 12.671 ng
RT: 9.857 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF141087.D
Acq: 08 Jan 2025 16:45

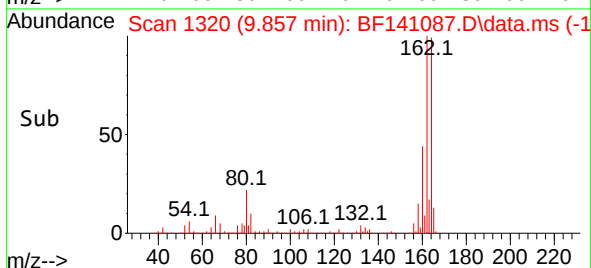
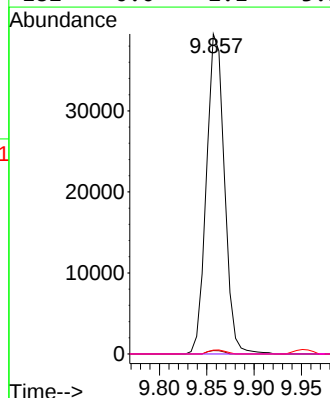
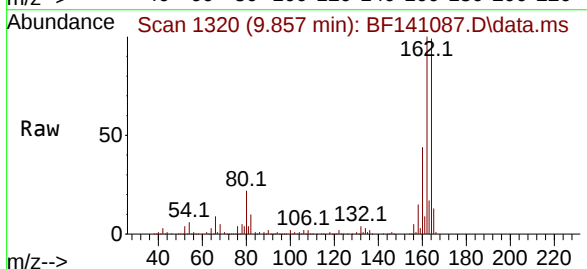
Instrument :
BNA_F
ClientSampleId :
T2

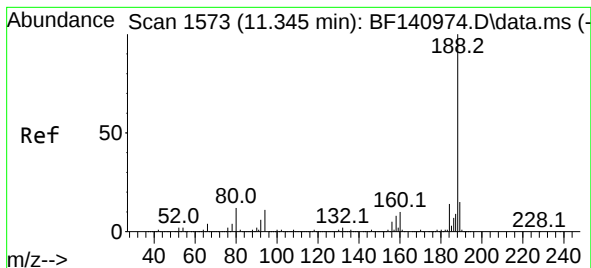
Tgt Ion:165 Resp: 52273
Ion Ratio Lower Upper
165 100
63 1.1 47.1 70.7#
89 1.2 47.0 70.4#



#57
2,4-Dinitrotoluene
Concen: 11.728 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.188 min
Lab File: BF141087.D
Acq: 08 Jan 2025 16:45

Tgt Ion:165 Resp: 52274
Ion Ratio Lower Upper
165 100
63 1.1 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: BF141087.D

Acq: 08 Jan 2025 16:45

Instrument :

BNA_F

ClientSampleId :

T2

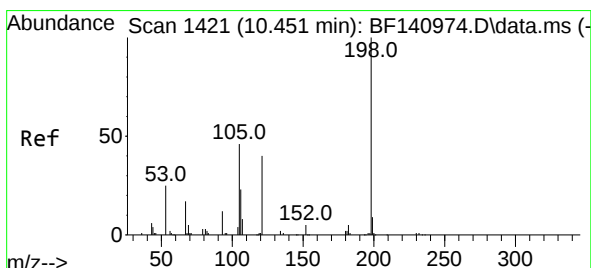
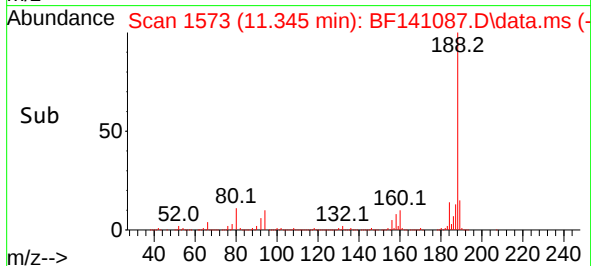
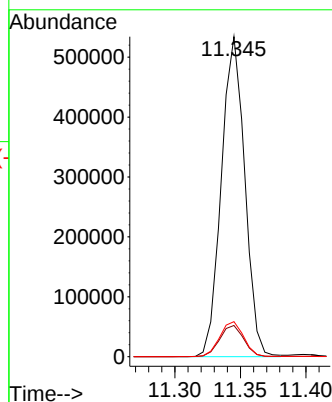
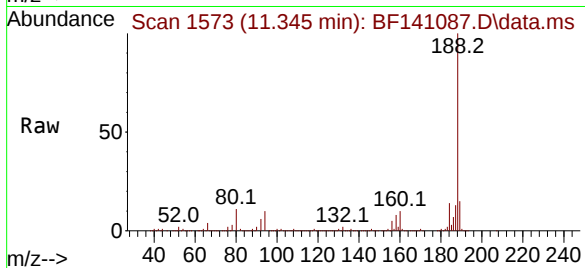
Tgt Ion:188 Resp: 662834

Ion Ratio Lower Upper

188 100

94 9.8 9.0 13.6

80 11.0 9.8 14.6



#65

4,6-Dinitro-2-methylphenol

Concen: 9.563 ng

RT: 10.645 min Scan# 1454

Delta R.T. 0.194 min

Lab File: BF141087.D

Acq: 08 Jan 2025 16:45

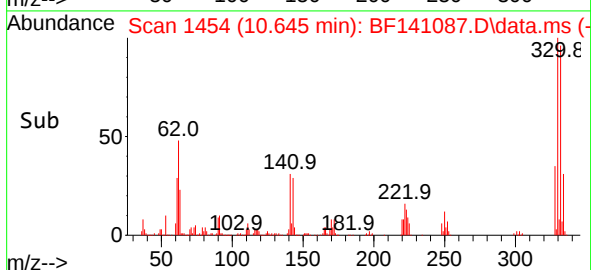
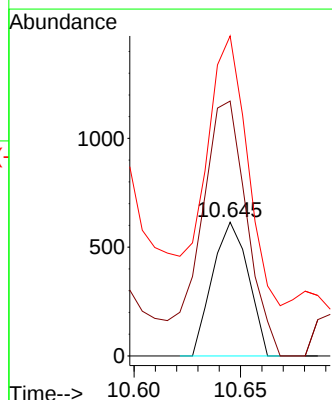
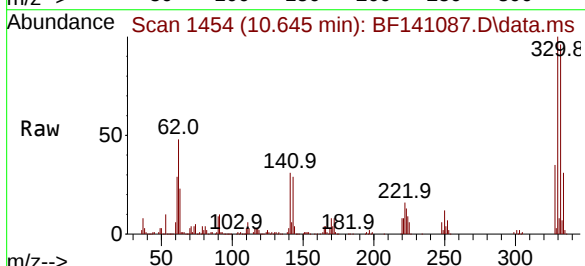
Tgt Ion:198 Resp: 721

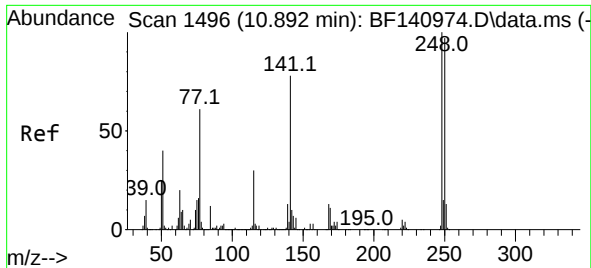
Ion Ratio Lower Upper

198 100

51 190.6 32.3 72.3#

105 239.2 28.4 68.4#

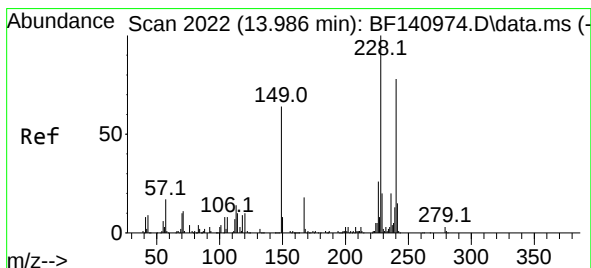
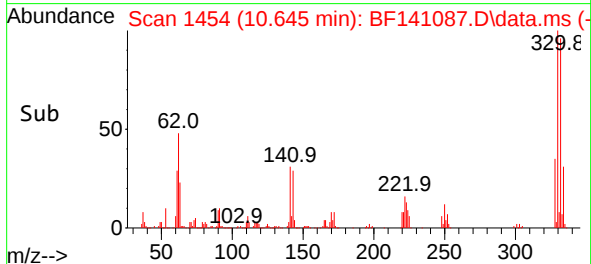
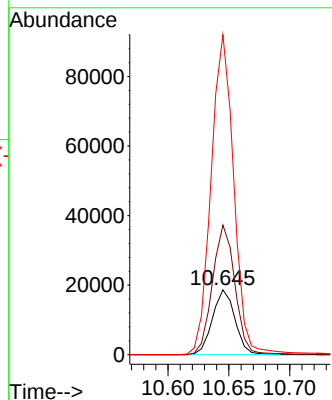
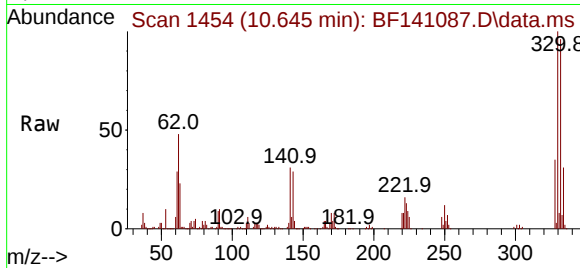




#67
4-Bromophenyl-phenylether
Concen: 3.346 ng
RT: 10.645 min Scan# 1496
Delta R.T. -0.247 min
Lab File: BF141087.D
Acq: 08 Jan 2025 16:45

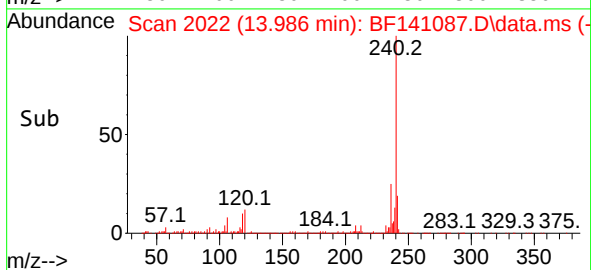
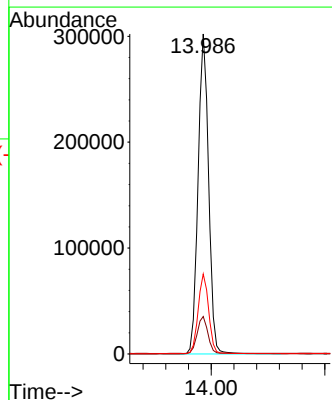
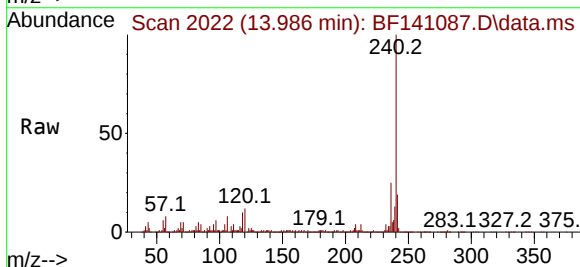
Instrument :
BNA_F
ClientSampleId :
T2

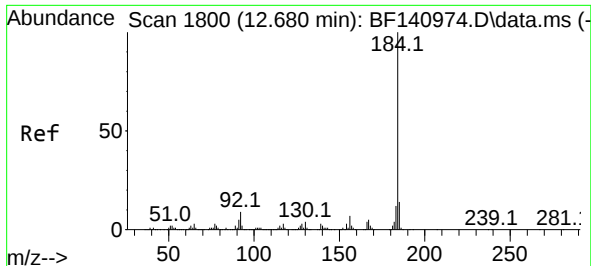
Tgt Ion:248 Resp: 23977
Ion Ratio Lower Upper
248 100
250 199.9 77.7 116.5#
141 493.8 62.1 93.1#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF141087.D
Acq: 08 Jan 2025 16:45

Tgt Ion:240 Resp: 391083
Ion Ratio Lower Upper
240 100
120 11.7 10.7 16.1
236 25.0 20.6 31.0

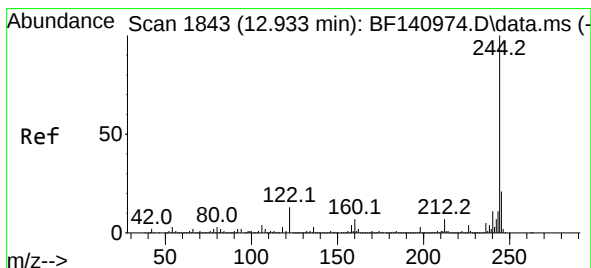
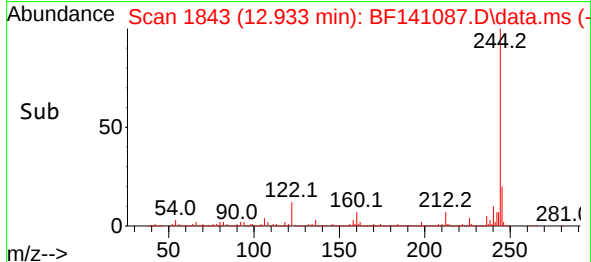
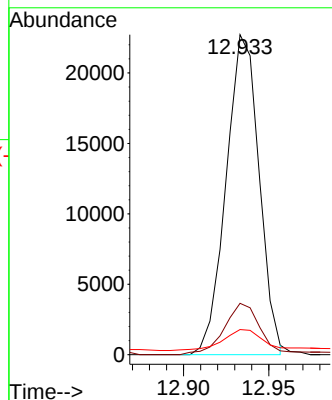
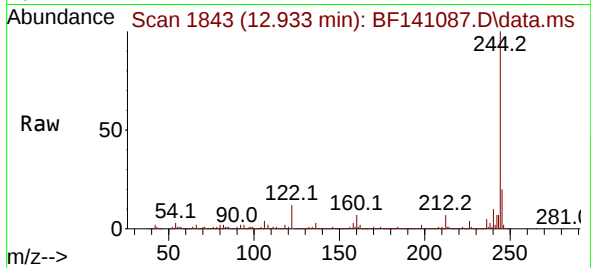




#77
Benzidine
Concen: 3.706 ng
RT: 12.933 min Scan# 1843
Delta R.T. 0.253 min
Lab File: BF141087.D
Acq: 08 Jan 2025 16:45

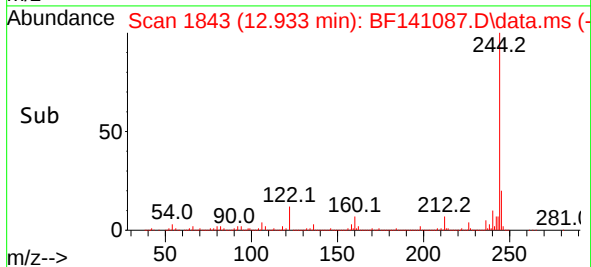
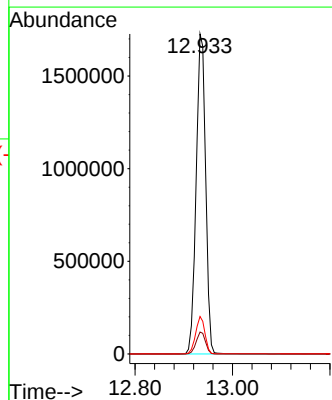
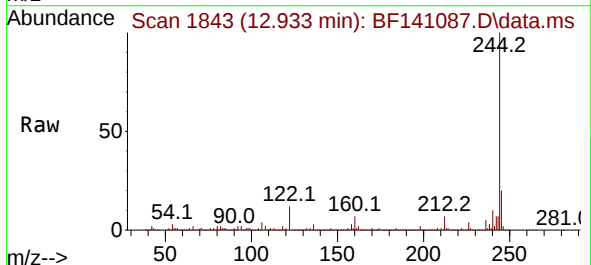
Instrument :
BNA_F
ClientSampleId :
T2

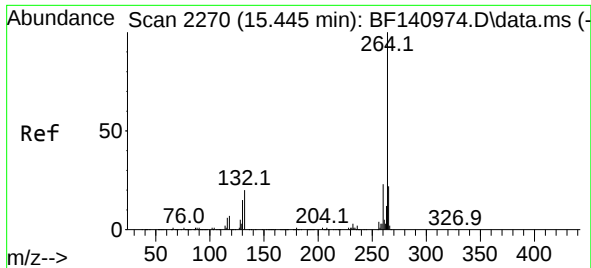
Tgt Ion:184 Resp: 30629
Ion Ratio Lower Upper
184 100
185 16.1 11.4 17.2
183 7.8 9.4 14.0#



#79
Terphenyl-d14
Concen: 99.637 ng
RT: 12.933 min Scan# 1843
Delta R.T. -0.000 min
Lab File: BF141087.D
Acq: 08 Jan 2025 16:45

Tgt Ion:244 Resp: 2345959
Ion Ratio Lower Upper
244 100
212 6.9 5.7 8.5
122 11.7 10.2 15.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.462 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: BF141087.D
 Acq: 08 Jan 2025 16:45

Instrument :
 BNA_F
 ClientSampleId :
 T2

Tgt Ion:264 Resp: 415878
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.7 28.1
 265 22.1 17.4 26.2

