

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010825\
 Data File : BF141086.D
 Acq On : 08 Jan 2025 16:19
 Operator : RC/JU
 Sample : Q1034-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T1

Quant Time: Jan 08 16:40:44 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)

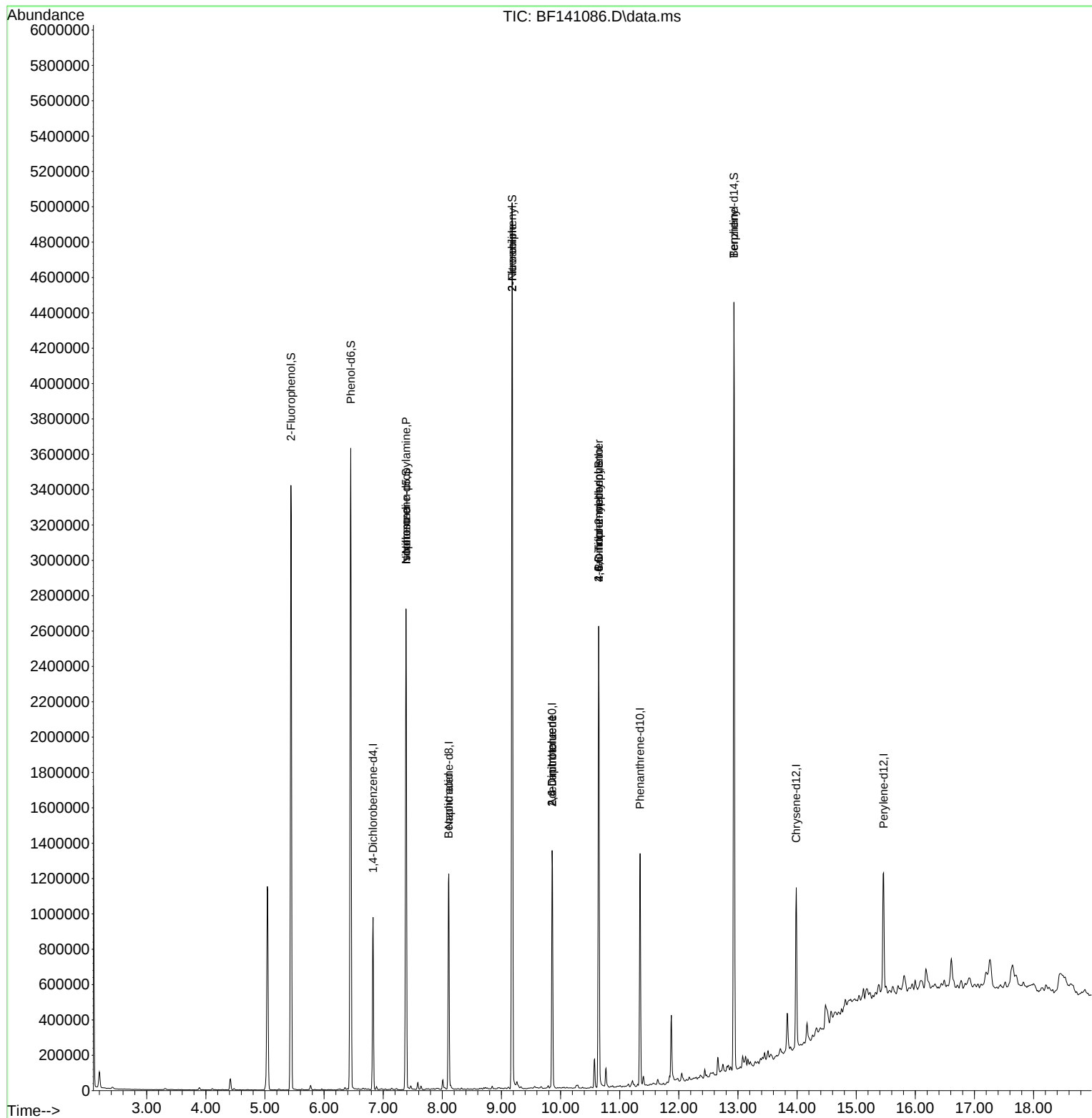
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	198652	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	779432	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	406175	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	654093	20.000	ng	0.00
76) Chrysene-d12	13.986	240	407347	20.000	ng	0.00
86) Perylene-d12	15.462	264	424285	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	1353623	102.713	ng	0.00
7) Phenol-d6	6.451	99	1841841	108.491	ng	0.00
23) Nitrobenzene-d5	7.386	82	1243722	102.088	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	471526	119.470	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	2236595	87.731	ng	0.00
79) Terphenyl-d14	12.933	244	2146722	87.535	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.369	77	381	Below Cal	#	40
19) n-Nitroso-di-n-propyla...	7.386	70	168143	16.167	ng	# 77
25) Isophorone	7.386	82	1223846	46.165	ng	# 65
32) Benzoic acid	8.104	122	54	7.698	ng	# 1
48) 2-Nitroaniline	9.181	65	4002	5.217	ng	# 1
51) 2,6-Dinitrotoluene	9.857	165	52657	12.583	ng	# 23
57) 2,4-Dinitrotoluene	9.857	165	52769	11.672	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.645	198	961	9.640	ng	# 1
67) 4-Bromophenyl-phenylether	10.645	248	28565	4.040	ng	# 1
77) Benzidine	12.933	184	27745	3.223	ng	# 92

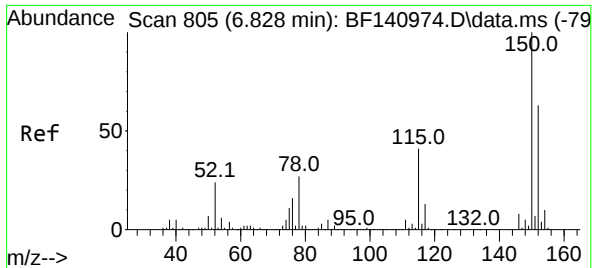
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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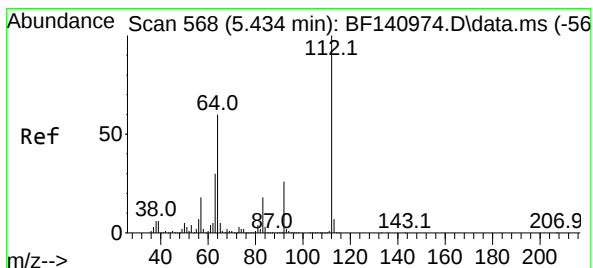
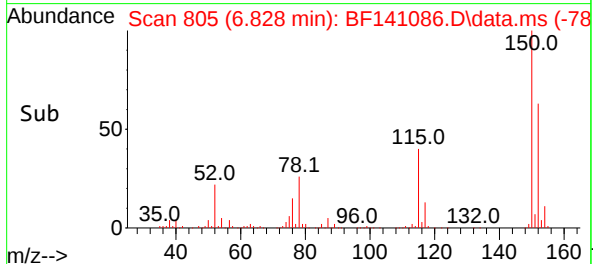
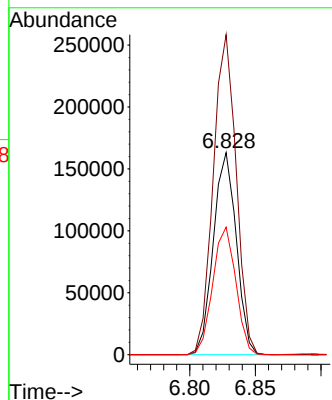
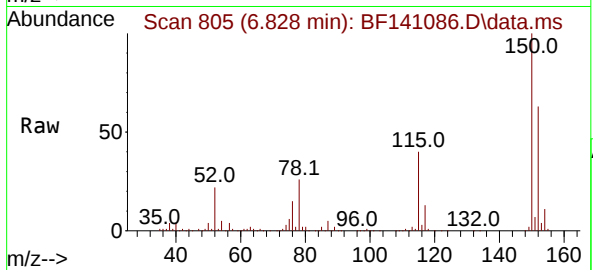




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.828 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF141086.D
 Acq: 08 Jan 2025 16:19

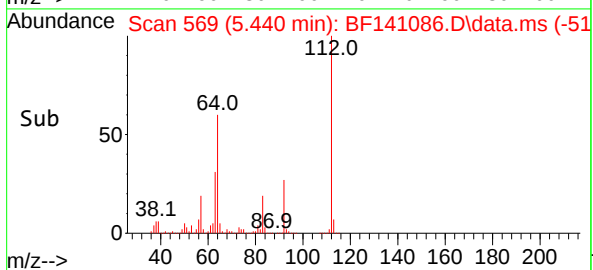
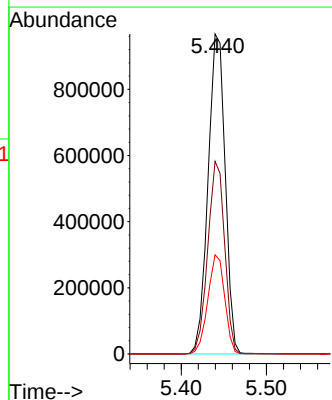
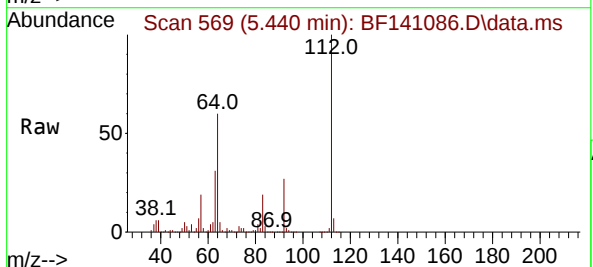
Instrument :
 BNA_F
 ClientSampleId :
 T1

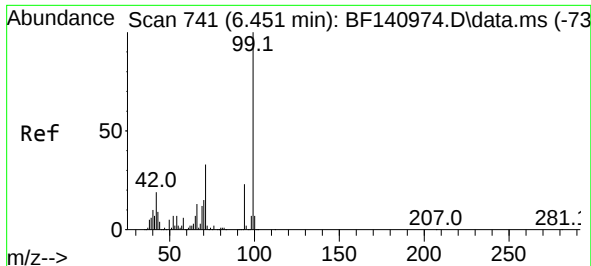
Tgt Ion:152 Resp: 198652
 Ion Ratio Lower Upper
 152 100
 150 158.4 127.0 190.6
 115 63.1 51.7 77.5



#5
 2-Fluorophenol
 Concen: 102.713 ng
 RT: 5.440 min Scan# 569
 Delta R.T. 0.006 min
 Lab File: BF141086.D
 Acq: 08 Jan 2025 16:19

Tgt Ion:112 Resp: 1353623
 Ion Ratio Lower Upper
 112 100
 64 60.2 47.7 71.5
 63 31.0 24.2 36.2



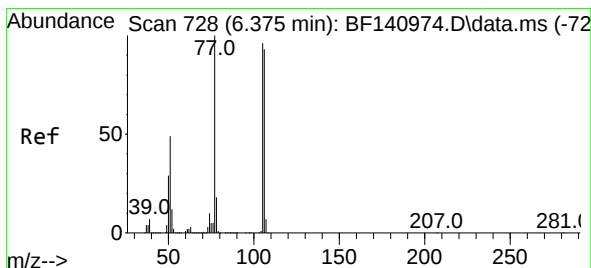
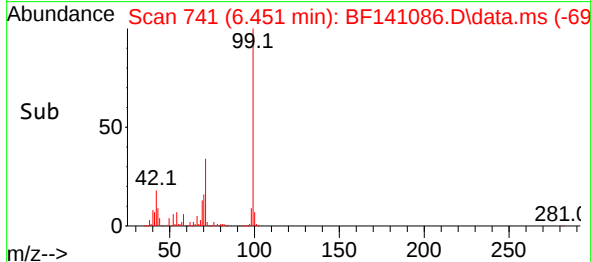
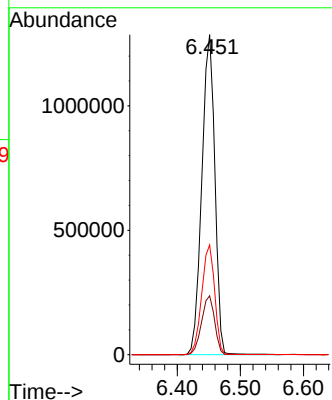
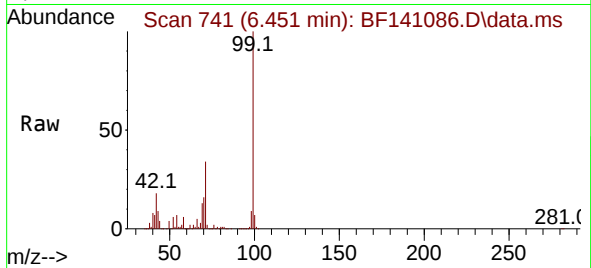


#7
Phenol-d6
Concen: 108.491 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF141086.D
Acq: 08 Jan 2025 16:19

Instrument :
BNA_F
ClientSampleId :
T1

Tgt Ion: 99 Resp: 1841841

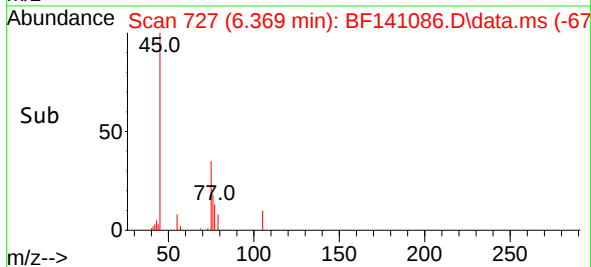
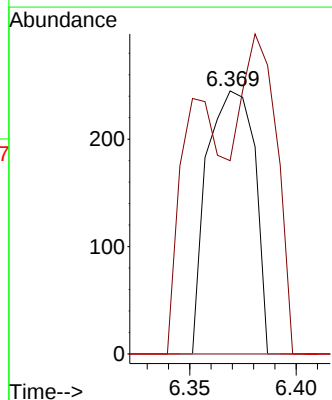
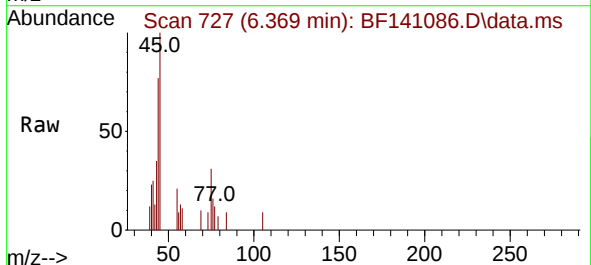
Ion	Ratio	Lower	Upper
99	100		
42	18.4	15.0	22.4
71	34.3	26.2	39.2

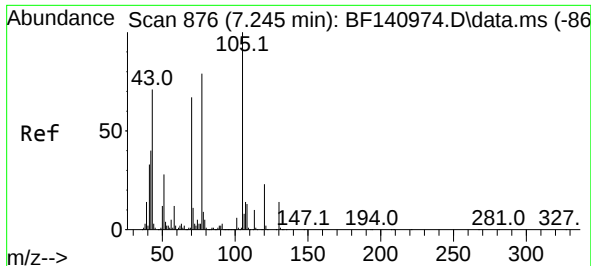


#9
Benzaldehyde
Concen: Below Cal
RT: 6.369 min Scan# 727
Delta R.T. -0.006 min
Lab File: BF141086.D
Acq: 08 Jan 2025 16:19

Tgt Ion: 77 Resp: 381

Ion	Ratio	Lower	Upper
77	100		
105	73.5	76.2	116.2#
106	0.0	73.4	113.4#

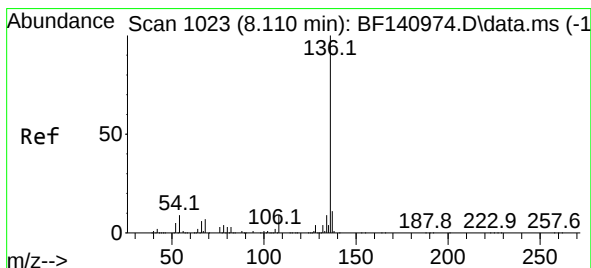
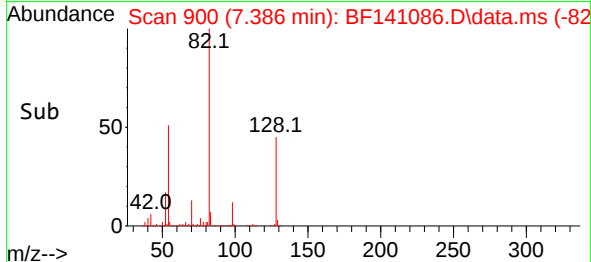
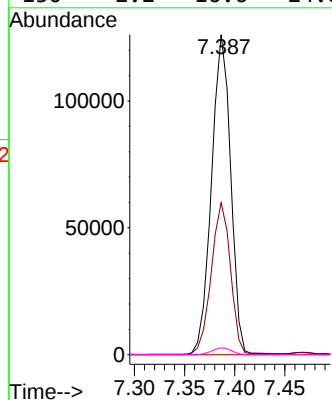
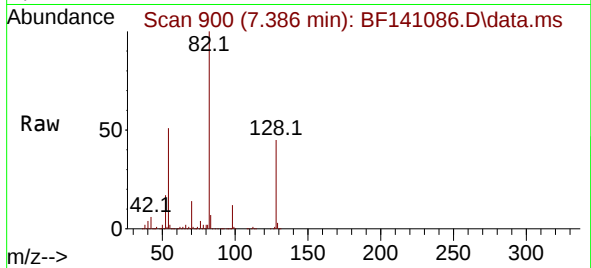




#19
n-Nitroso-di-n-propylamine
Concen: 16.167 ng
RT: 7.386 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF141086.D
Acq: 08 Jan 2025 16:19

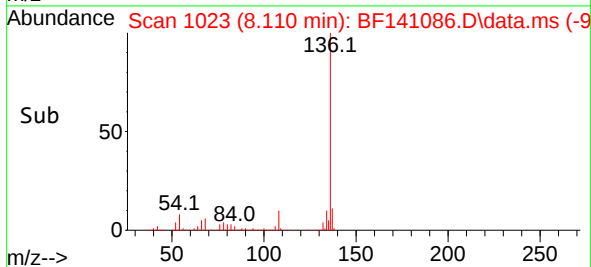
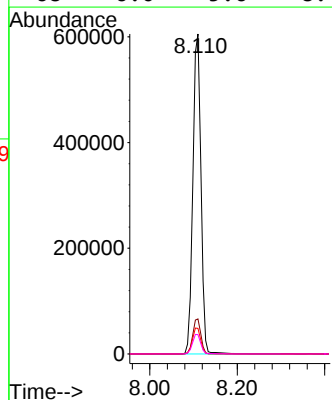
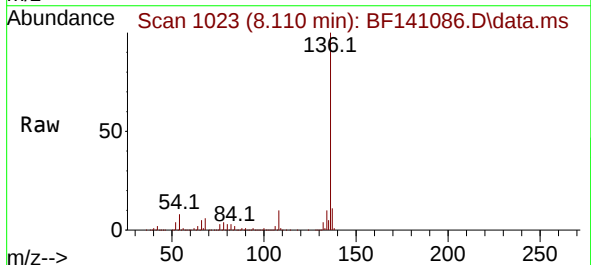
Instrument :
BNA_F
ClientSampleId :
T1

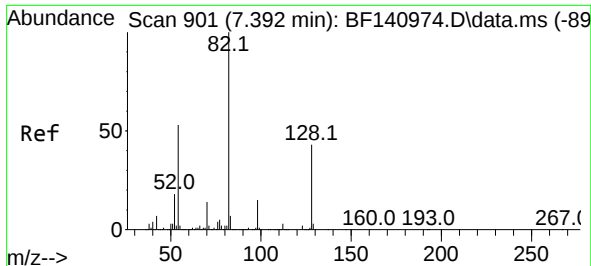
Tgt Ion: 70 Resp: 168143
Ion Ratio Lower Upper
70 100
42 47.5 48.1 72.1#
101 0.0 7.6 11.4#
130 2.2 16.6 24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF141086.D
Acq: 08 Jan 2025 16:19

Tgt Ion: 136 Resp: 779432
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 8.0 7.6 11.4
68 6.0 5.6 8.4





#23

Nitrobenzene-d5

Concen: 102.088 ng

RT: 7.386 min Scan# 900

Delta R.T. -0.006 min

Lab File: BF141086.D

Acq: 08 Jan 2025 16:19

Instrument :

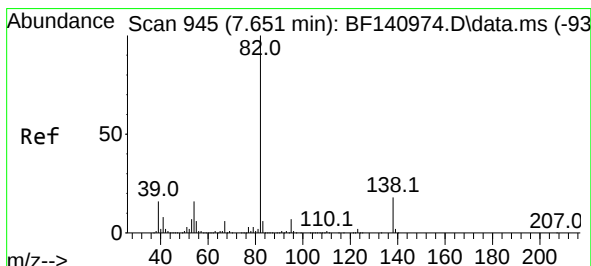
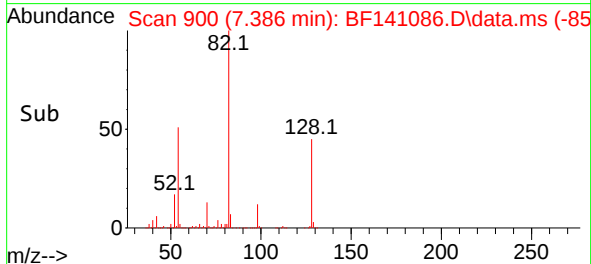
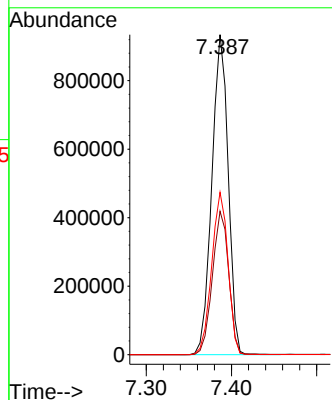
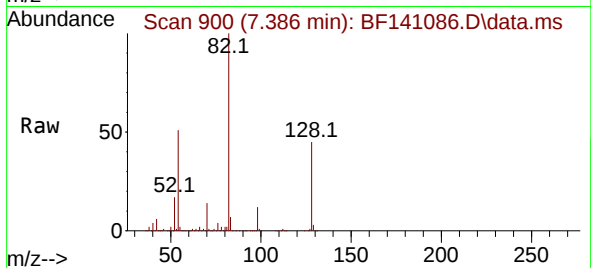
BNA_F

ClientSampleId :

T1

Tgt Ion: 82 Resp: 1243722

Ion	Ratio	Lower	Upper
82	100		
128	44.8	34.4	51.6
54	50.8	42.4	63.6



#25

Isophorone

Concen: 46.165 ng

RT: 7.386 min Scan# 900

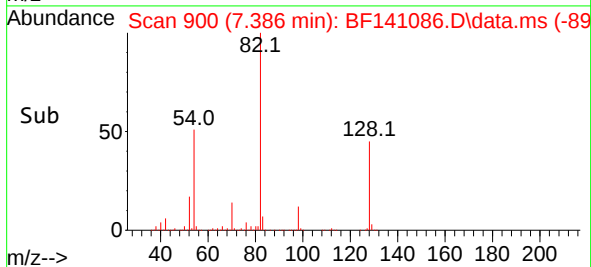
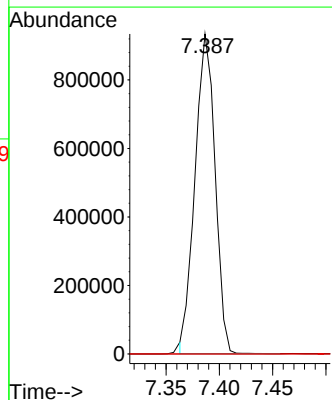
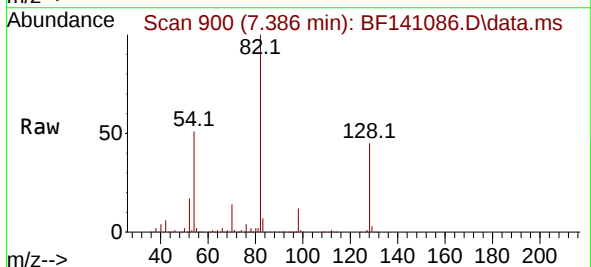
Delta R.T. -0.265 min

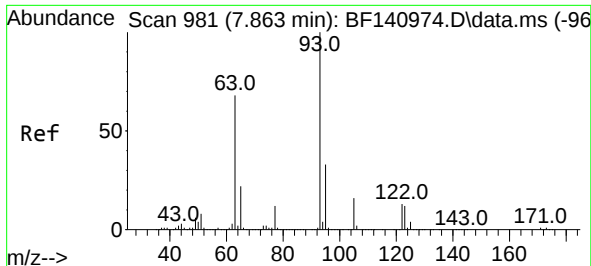
Lab File: BF141086.D

Acq: 08 Jan 2025 16:19

Tgt Ion: 82 Resp: 1223846

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

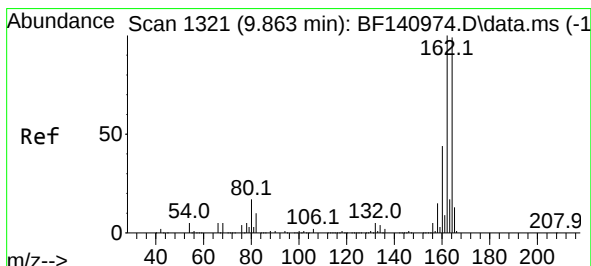
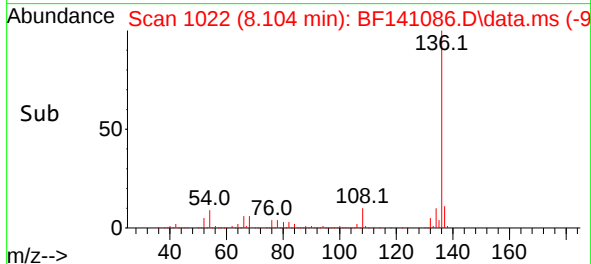
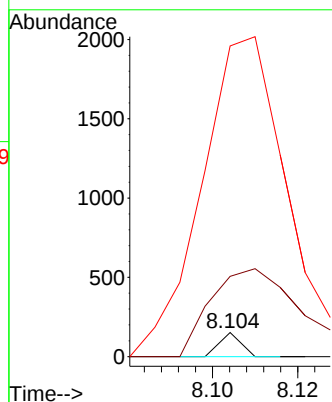
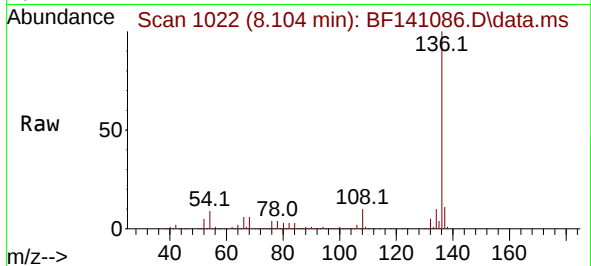




#32
Benzoic acid
Concen: 7.698 ng
RT: 8.104 min Scan# 10
Delta R.T. 0.241 min
Lab File: BF141086.D
Acq: 08 Jan 2025 16:19

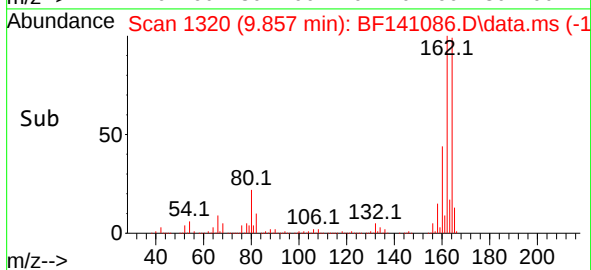
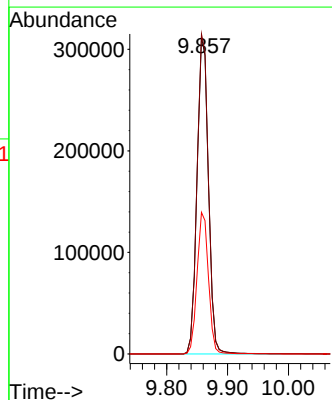
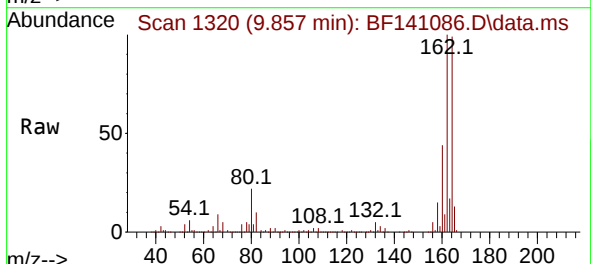
Instrument :
BNA_F
ClientSampleId :
T1

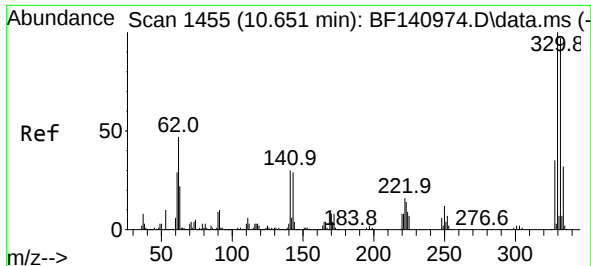
Tgt Ion:122 Resp: 54
Ion Ratio Lower Upper
122 100
105 332.9 105.4 145.4#
77 1289.5 76.4 116.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF141086.D
Acq: 08 Jan 2025 16:19

Tgt Ion:164 Resp: 406175
Ion Ratio Lower Upper
164 100
162 100.9 80.6 120.8
160 44.6 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 119.470 ng

RT: 10.645 min Scan# 1455

Delta R.T. -0.006 min

Lab File: BF141086.D

Acq: 08 Jan 2025 16:19

Instrument :

BNA_F

ClientSampleId :

T1

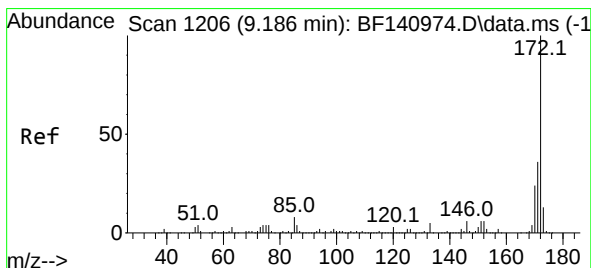
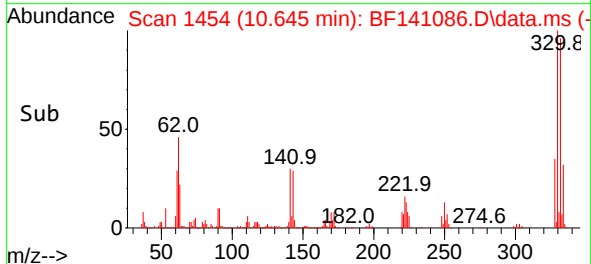
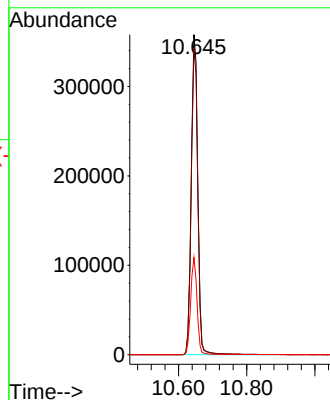
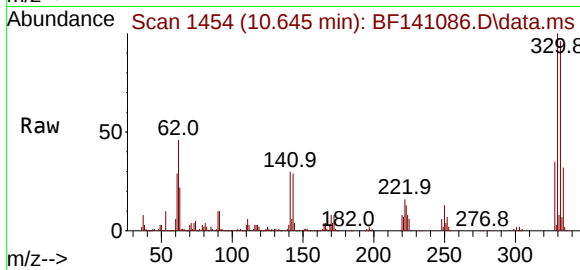
Tgt Ion:330 Resp: 471526

Ion Ratio Lower Upper

330 100

332 95.9 78.0 117.0

141 29.9 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 87.731 ng

RT: 9.181 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF141086.D

Acq: 08 Jan 2025 16:19

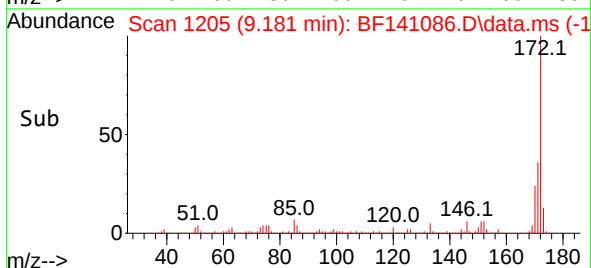
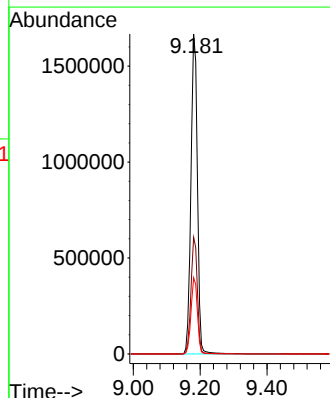
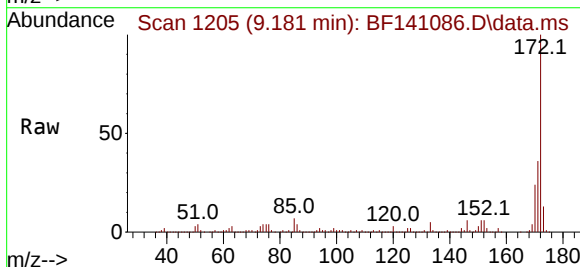
Tgt Ion:172 Resp: 2236595

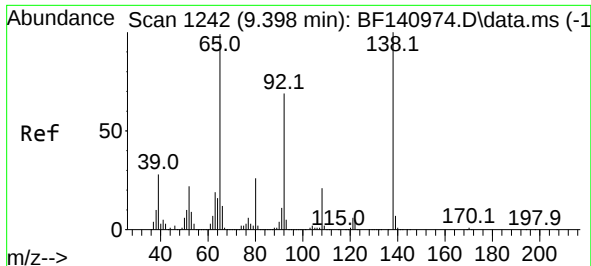
Ion Ratio Lower Upper

172 100

171 36.4 29.0 43.4

170 23.8 19.6 29.4

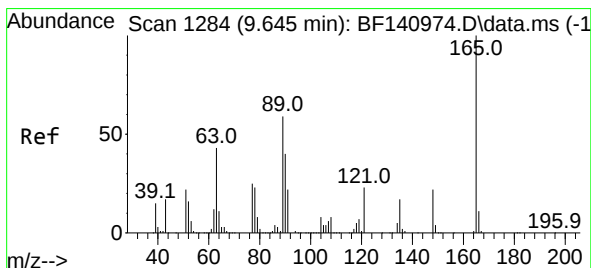
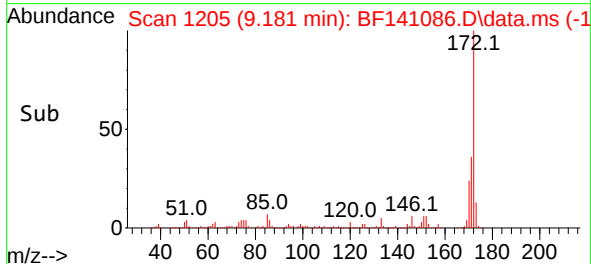
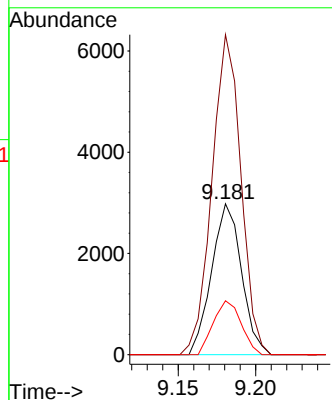
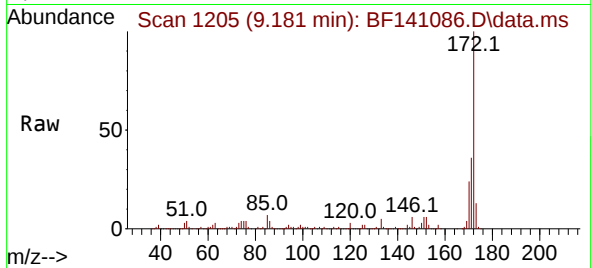




#48
2-Nitroaniline
Concen: 5.217 ng
RT: 9.181 min Scan# 11
Delta R.T. -0.217 min
Lab File: BF141086.D
Acq: 08 Jan 2025 16:19

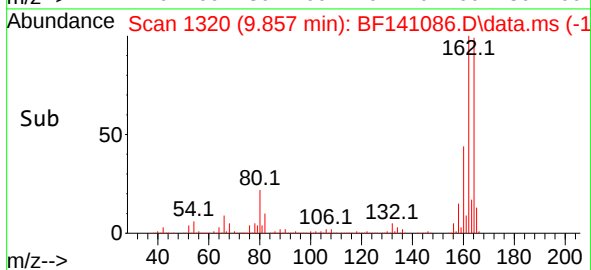
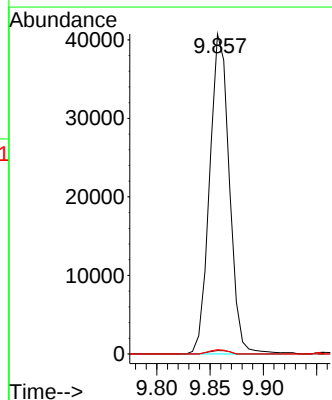
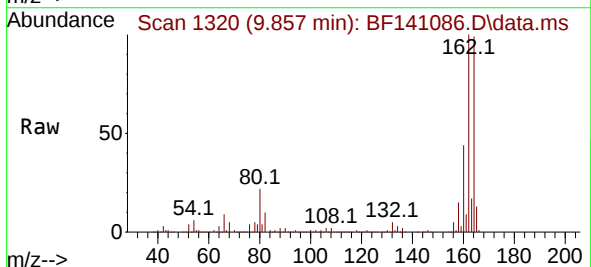
Instrument :
BNA_F
ClientSampleId :
T1

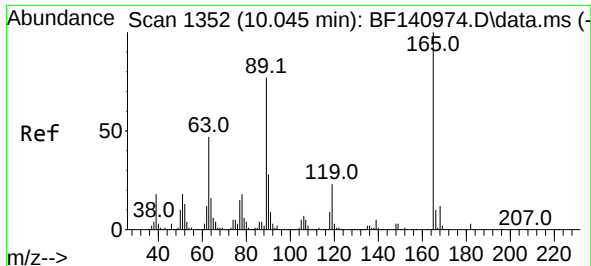
Tgt Ion: 65 Resp: 4002
Ion Ratio Lower Upper
65 100
92 212.0 55.6 83.4#
138 35.8 80.5 120.7#



#51
2,6-Dinitrotoluene
Concen: 12.583 ng
RT: 9.857 min Scan# 1320
Delta R.T. 0.212 min
Lab File: BF141086.D
Acq: 08 Jan 2025 16:19

Tgt Ion:165 Resp: 52657
Ion Ratio Lower Upper
165 100
63 1.0 47.1 70.7#
89 1.4 47.0 70.4#

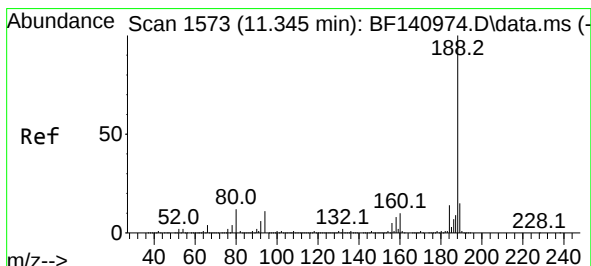
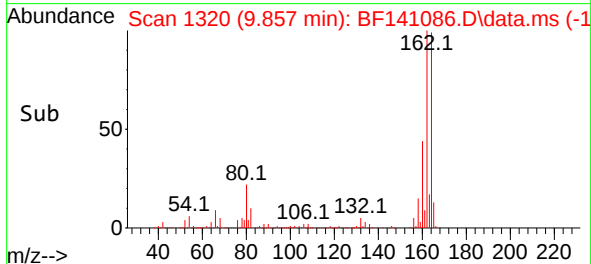
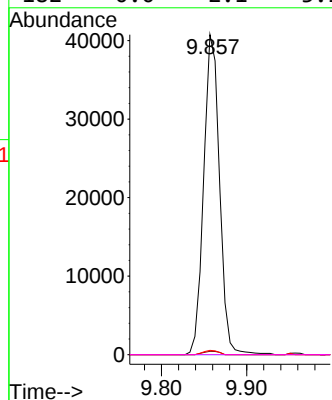
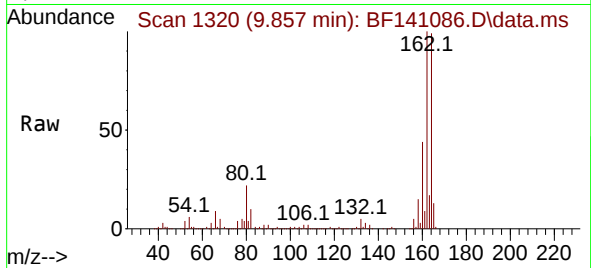




#57
2,4-Dinitrotoluene
Concen: 11.672 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF141086.D
Acq: 08 Jan 2025 16:19

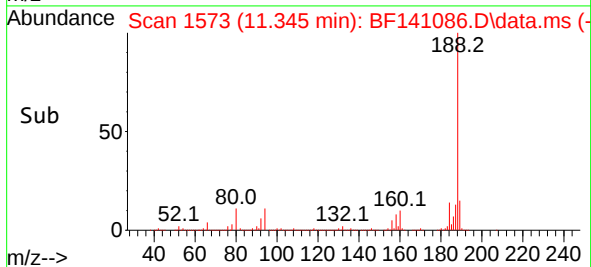
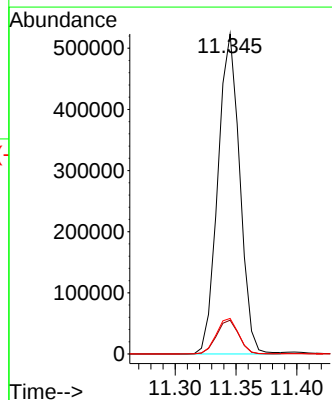
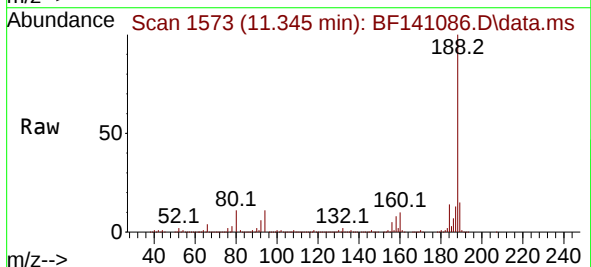
Instrument :
BNA_F
ClientSampleId :
T1

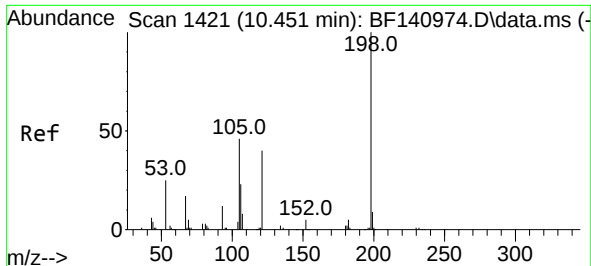
Tgt Ion:165 Resp: 52769
Ion Ratio Lower Upper
165 100
63 1.0 38.1 57.1#
89 1.4 61.4 92.2#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF141086.D
Acq: 08 Jan 2025 16:19

Tgt Ion:188 Resp: 654093
Ion Ratio Lower Upper
188 100
94 10.5 9.0 13.6
80 11.1 9.8 14.6

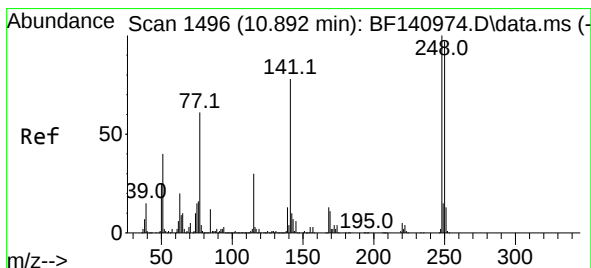
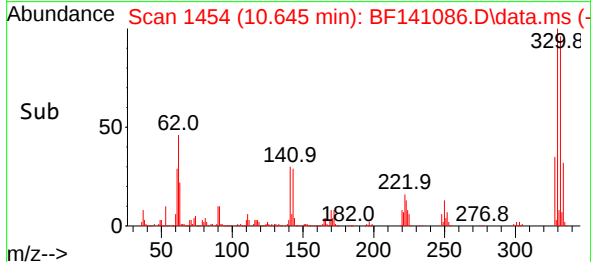
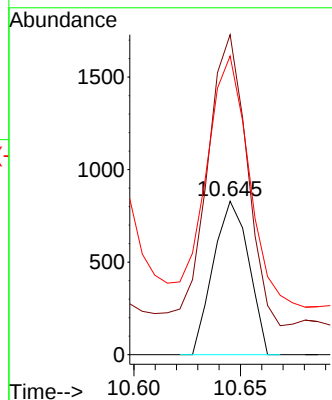
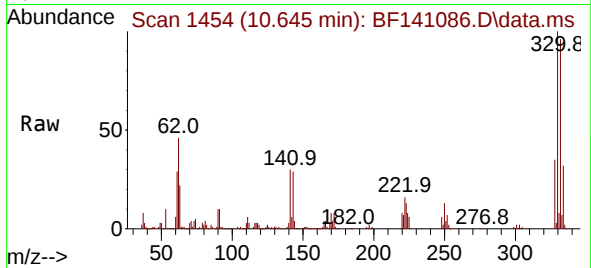




#65
4,6-Dinitro-2-methylphenol
Concen: 9.640 ng
RT: 10.645 min Scan# 1454
Delta R.T. 0.194 min
Lab File: BF141086.D
Acq: 08 Jan 2025 16:19

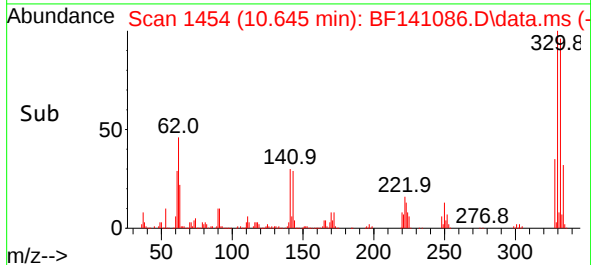
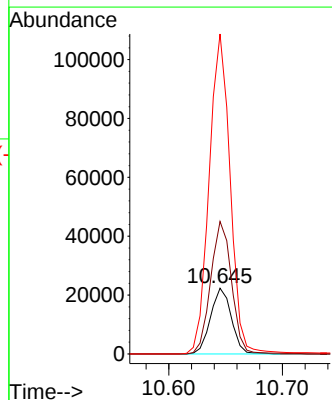
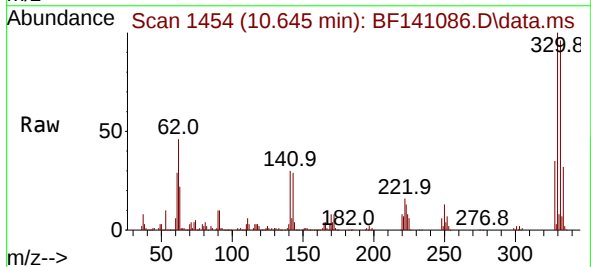
Instrument :
BNA_F
ClientSampleId :
T1

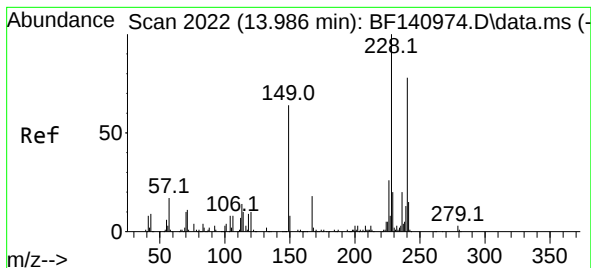
Tgt Ion:198 Resp: 961
Ion Ratio Lower Upper
198 100
51 208.6 32.3 72.3#
105 194.7 28.4 68.4#



#67
4-Bromophenyl-phenylether
Concen: 4.040 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.247 min
Lab File: BF141086.D
Acq: 08 Jan 2025 16:19

Tgt Ion:248 Resp: 28565
Ion Ratio Lower Upper
248 100
250 201.3 77.7 116.5#
141 486.4 62.1 93.1#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF141086.D

Acq: 08 Jan 2025 16:19

Instrument :

BNA_F

ClientSampleId :

T1

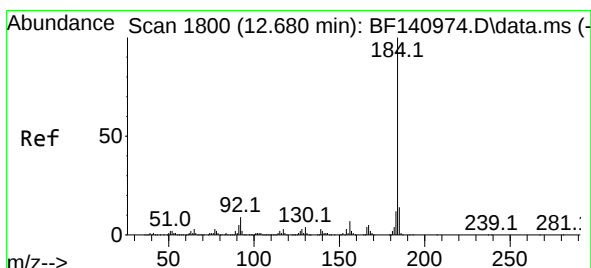
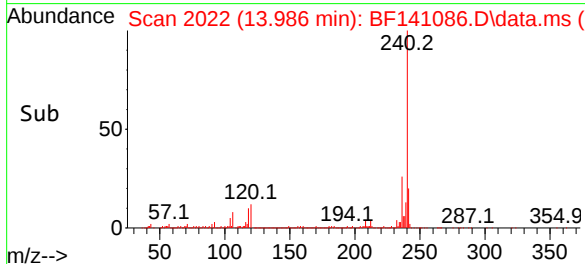
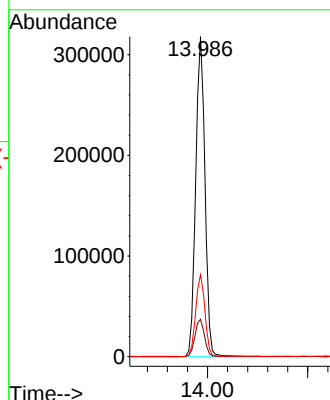
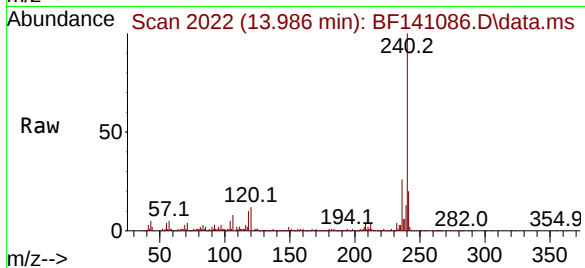
Tgt Ion:240 Resp: 407347

Ion Ratio Lower Upper

240 100

120 11.7 10.7 16.1

236 25.6 20.6 31.0



#77

Benidine

Concen: 3.223 ng

RT: 12.933 min Scan# 1843

Delta R.T. 0.253 min

Lab File: BF141086.D

Acq: 08 Jan 2025 16:19

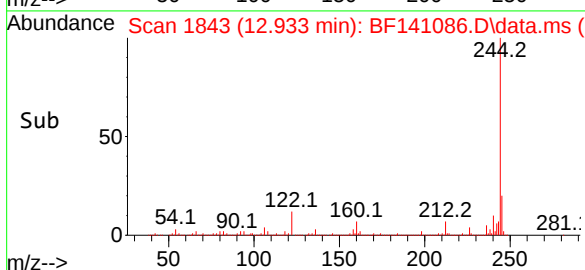
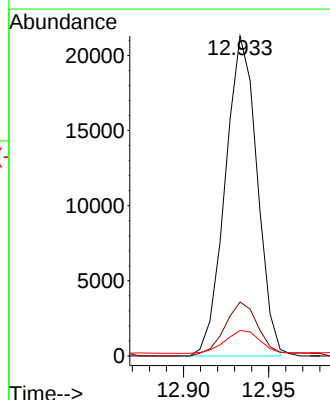
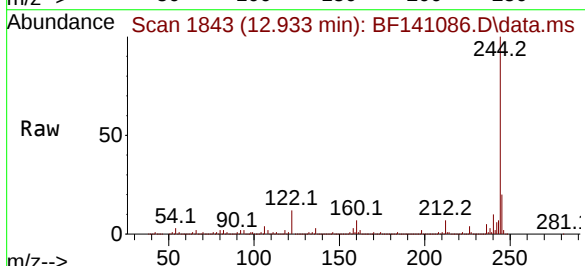
Tgt Ion:184 Resp: 27745

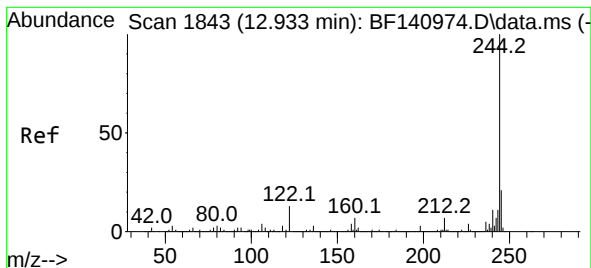
Ion Ratio Lower Upper

184 100

185 16.8 11.4 17.2

183 7.9 9.4 14.0#





#79

Terphenyl-d14

Concen: 87.535 ng

RT: 12.933 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF141086.D

Acq: 08 Jan 2025 16:19

Instrument :

BNA_F

ClientSampleId :

T1

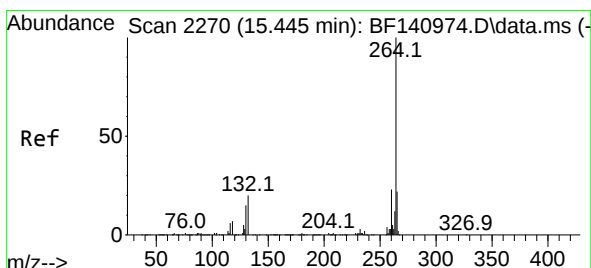
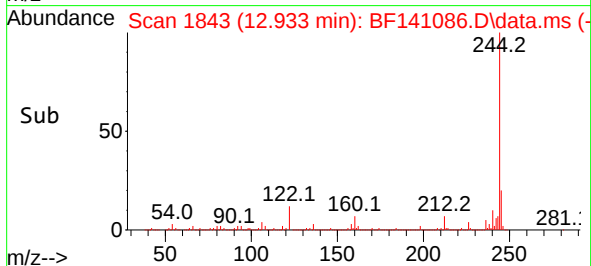
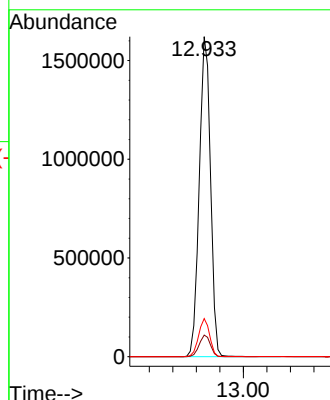
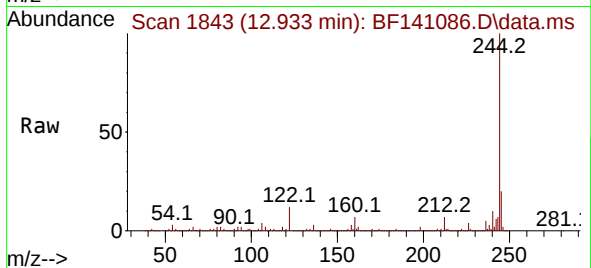
Tgt Ion:244 Resp: 2146722

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 11.9 10.2 15.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.462 min Scan# 2273

Delta R.T. 0.018 min

Lab File: BF141086.D

Acq: 08 Jan 2025 16:19

Tgt Ion:264 Resp: 424285

Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

265 21.4 17.4 26.2

