

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010325\
 Data File : BF141067.D
 Acq On : 03 Jan 2025 15:02
 Operator : RC/JU
 Sample : P5398-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 341-349

Quant Time: Jan 03 15:23:08 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)

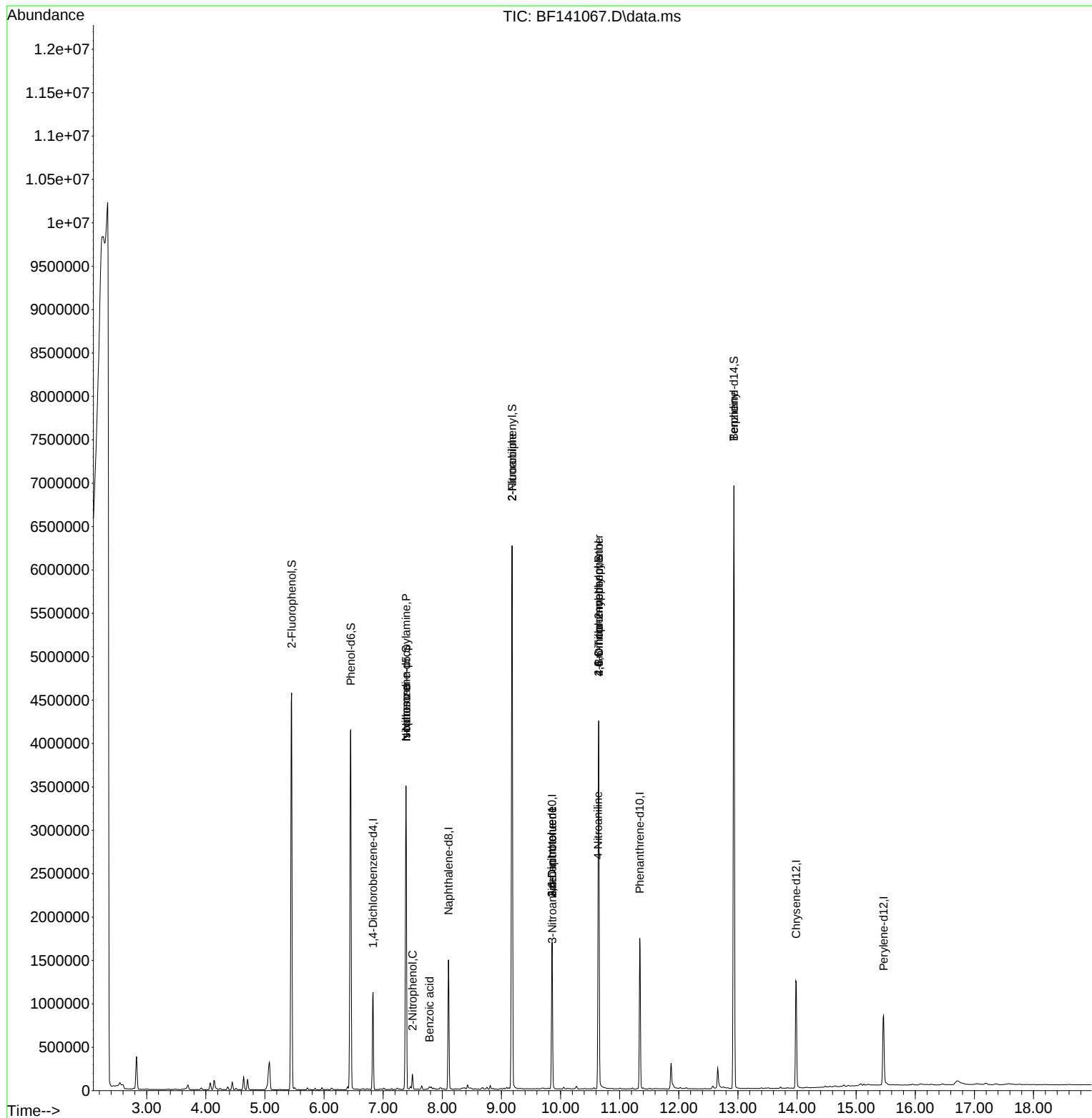
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	235847	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	927736	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	501643	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	866078	20.000	ng	0.00
76) Chrysene-d12	13.986	240	614843	20.000	ng	0.00
86) Perylene-d12	15.463	264	502844	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	1899514	121.404	ng	0.02
7) Phenol-d6	6.451	99	2235945	110.934	ng	0.00
23) Nitrobenzene-d5	7.387	82	1625623	112.105	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	810345	166.242	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	2891812	91.845	ng	0.00
79) Terphenyl-d14	12.933	244	3548820	95.871	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.375	77	377	Below Cal	#	82
19) n-Nitroso-di-n-propyla...	7.387	70	216613	17.542	ng	# 78
25) Isophorone	7.387	82	1615106	51.184	ng	# 65
26) 2-Nitrophenol	7.498	139	1799	5.542	ng	# 54
32) Benzoic acid	7.787	122	9034	8.492	ng	# 97
48) 2-Nitroaniline	9.181	65	4928	5.215	ng	# 1
51) 2,6-Dinitrotoluene	9.857	165	65340	12.625	ng	# 23
53) 3-Nitroaniline	9.863	138	114	3.279	ng	# 1
57) 2,4-Dinitrotoluene	9.857	165	65341	11.691	ng	# 21
62) 4-Nitroaniline	10.633	138	61	3.354	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.645	198	1532	9.701	ng	# 1
67) 4-Bromophenyl-phenylether	10.645	248	49277	5.263	ng	# 1
77) Benzidine	12.933	184	46800	3.602	ng	# 93

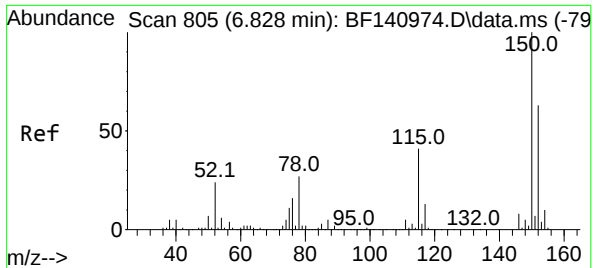
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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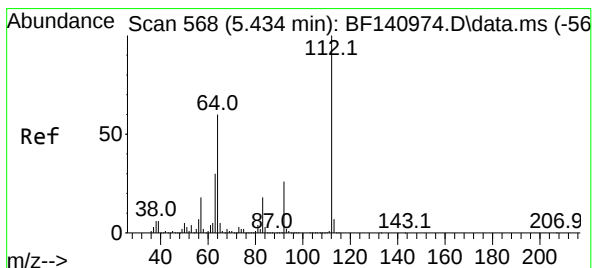
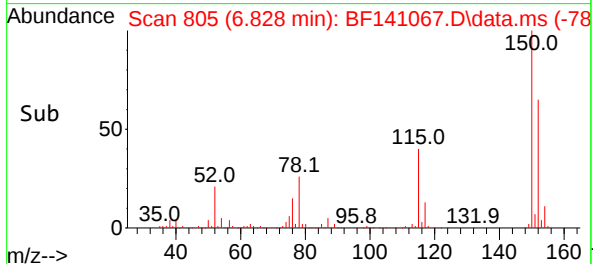
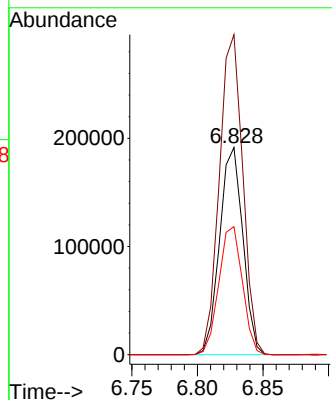
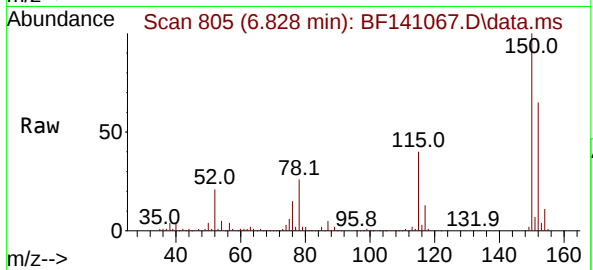




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.828 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF141067.D
 Acq: 03 Jan 2025 15:02

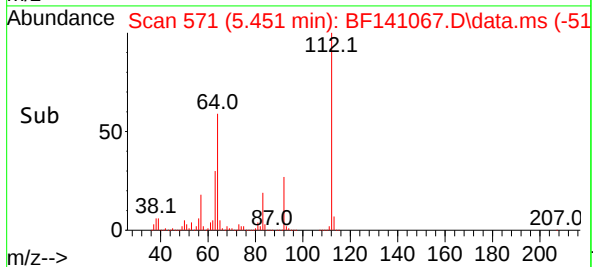
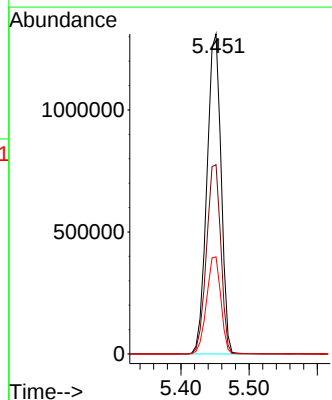
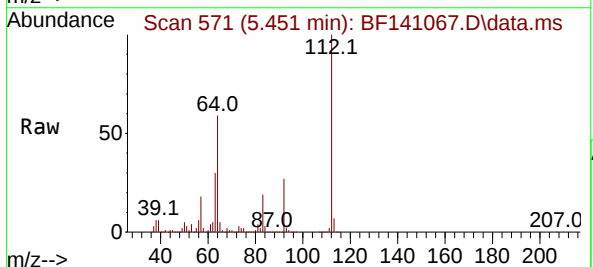
Instrument :
 BNA_F
 ClientSampleId :
 341-349

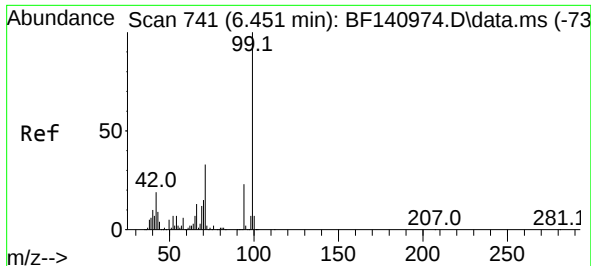
Tgt Ion:152 Resp: 235847
 Ion Ratio Lower Upper
 152 100
 150 154.5 127.0 190.6
 115 61.8 51.7 77.5



#5
 2-Fluorophenol
 Concen: 121.404 ng
 RT: 5.451 min Scan# 571
 Delta R.T. 0.018 min
 Lab File: BF141067.D
 Acq: 03 Jan 2025 15:02

Tgt Ion:112 Resp: 1899514
 Ion Ratio Lower Upper
 112 100
 64 59.1 47.7 71.5
 63 30.3 24.2 36.2

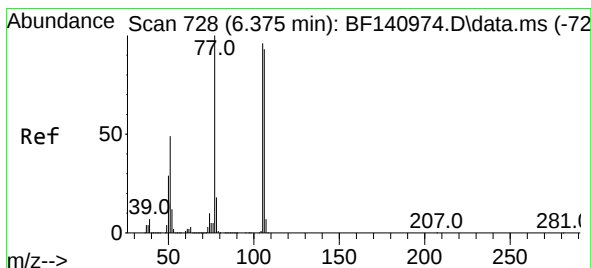
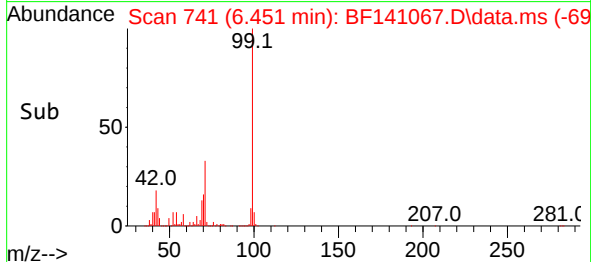
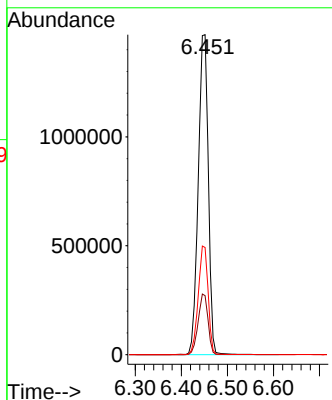
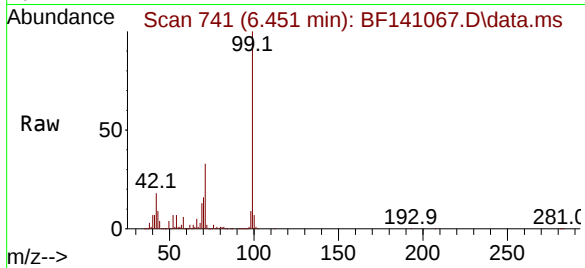




#7
Phenol-d6
Concen: 110.934 ng
RT: 6.451 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF141067.D
Acq: 03 Jan 2025 15:02

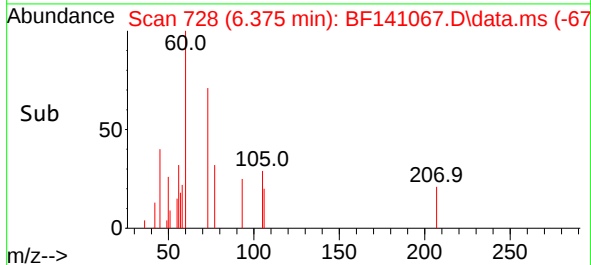
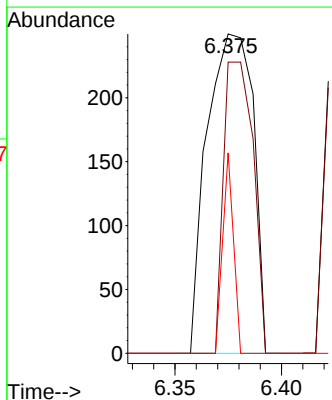
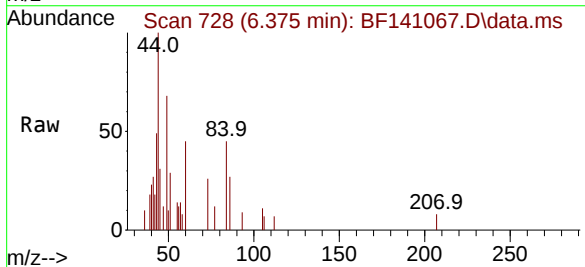
Instrument :
BNA_F
ClientSampleId :
341-349

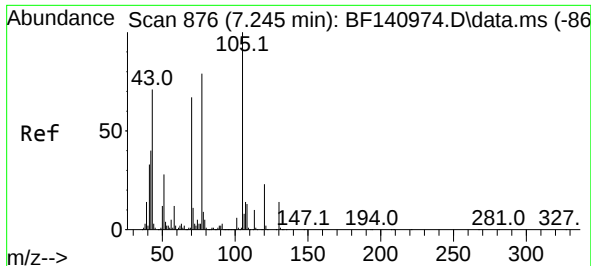
Tgt Ion: 99 Resp: 2235945
Ion Ratio Lower Upper
99 100
42 18.5 15.0 22.4
71 33.5 26.2 39.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.375 min Scan# 728
Delta R.T. -0.000 min
Lab File: BF141067.D
Acq: 03 Jan 2025 15:02

Tgt Ion: 77 Resp: 377
Ion Ratio Lower Upper
77 100
105 91.2 76.2 116.2
106 62.8 73.4 113.4#





#19

n-Nitroso-di-n-propylamine

Concen: 17.542 ng

RT: 7.387 min Scan# 90

Delta R.T. 0.141 min

Lab File: BF141067.D

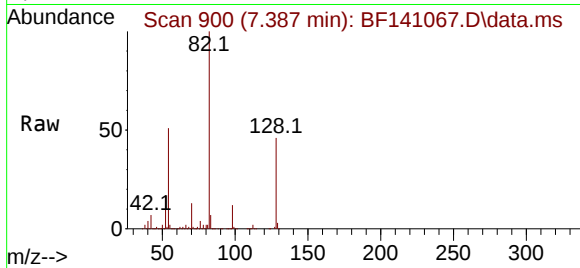
Acq: 03 Jan 2025 15:02

Instrument :

BNA_F

ClientSampleId :

341-349



Tgt Ion: 70 Resp: 216613

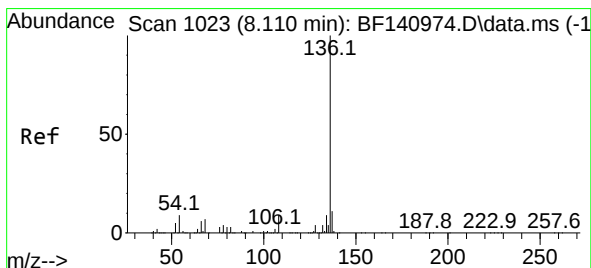
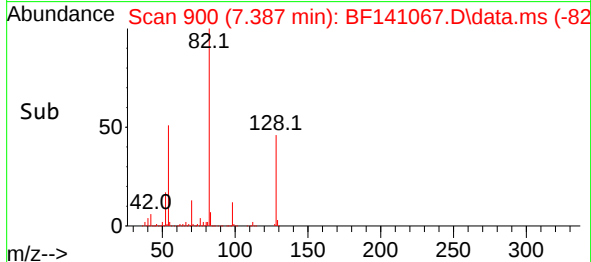
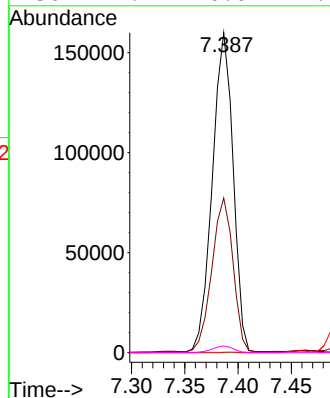
Ion Ratio Lower Upper

70 100

42 48.4 48.1 72.1

101 0.1 7.6 11.4#

130 2.1 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: BF141067.D

Acq: 03 Jan 2025 15:02

Tgt Ion: 136 Resp: 927736

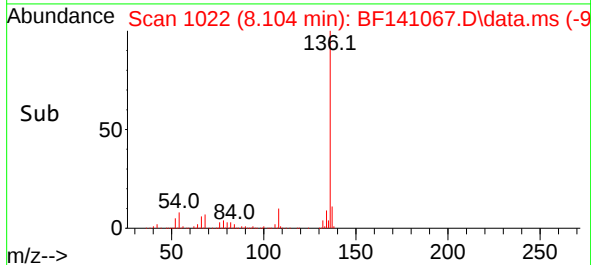
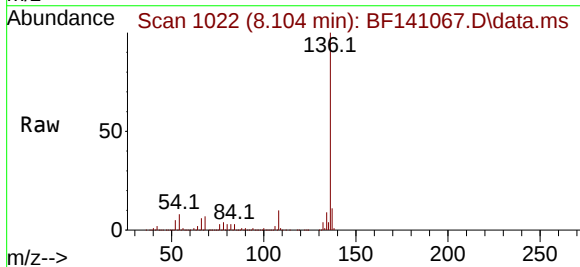
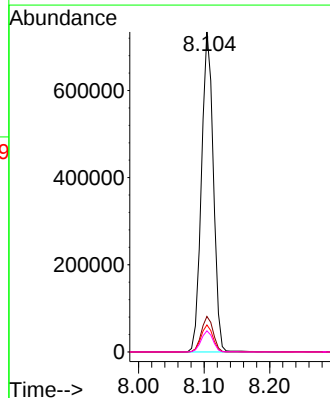
Ion Ratio Lower Upper

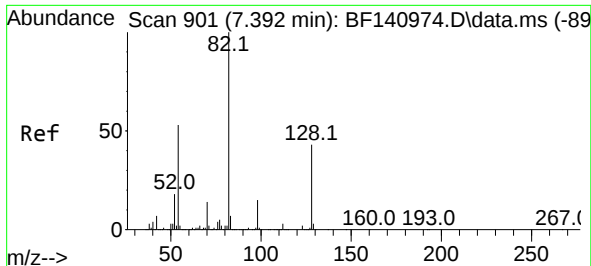
136 100

137 11.1 9.0 13.4

54 8.5 7.6 11.4

68 6.6 5.6 8.4

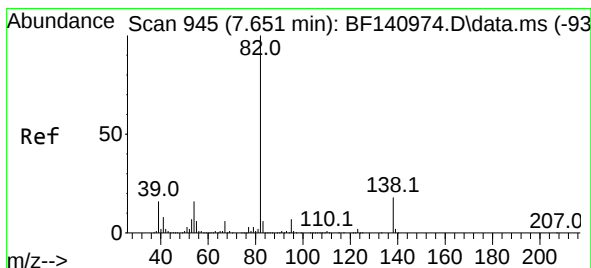
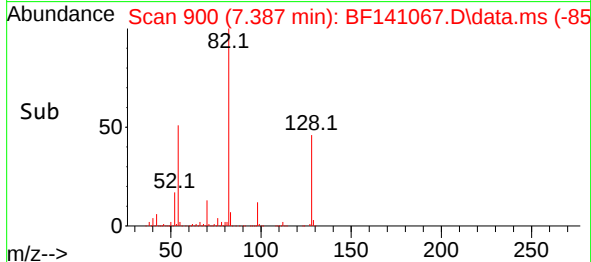
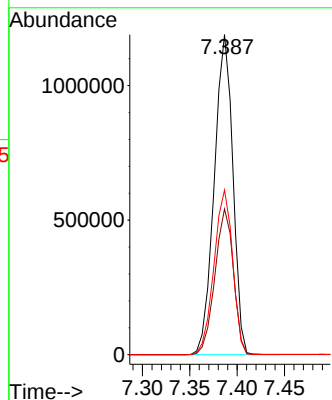
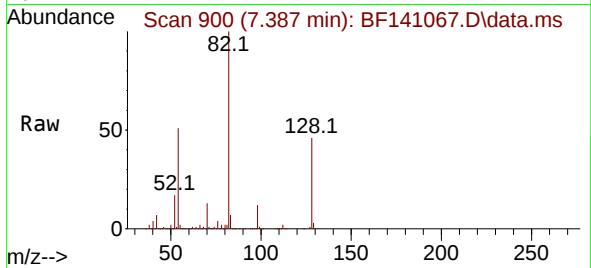




#23
Nitrobenzene-d5
Concen: 112.105 ng
RT: 7.387 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF141067.D
Acq: 03 Jan 2025 15:02

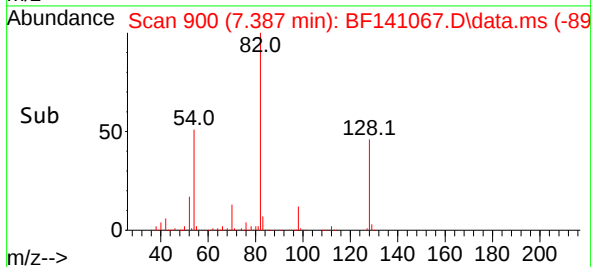
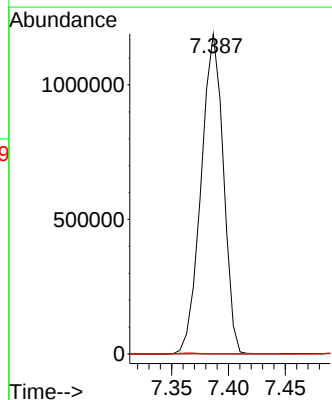
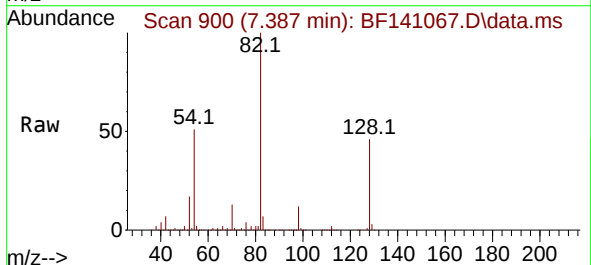
Instrument :
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ClientSampleId :
341-349

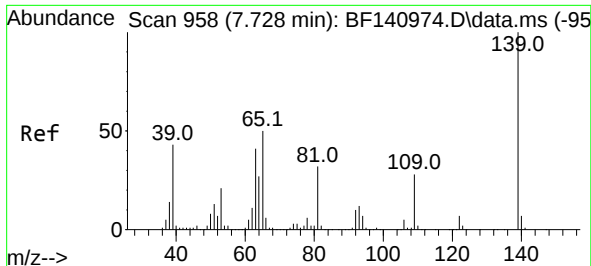
Tgt Ion: 82 Resp: 1625623
Ion Ratio Lower Upper
82 100
128 45.6 34.4 51.6
54 51.5 42.4 63.6



#25
Isophorone
Concen: 51.184 ng
RT: 7.387 min Scan# 900
Delta R.T. -0.265 min
Lab File: BF141067.D
Acq: 03 Jan 2025 15:02

Tgt Ion: 82 Resp: 1615106
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 21.8#

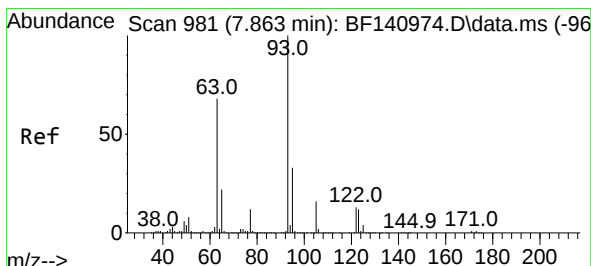
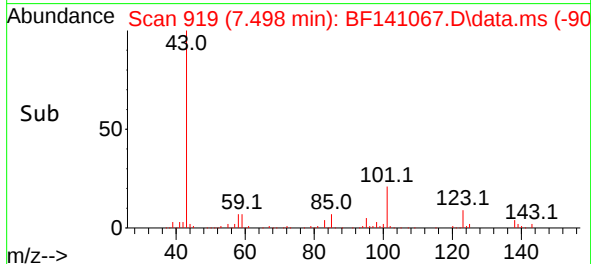
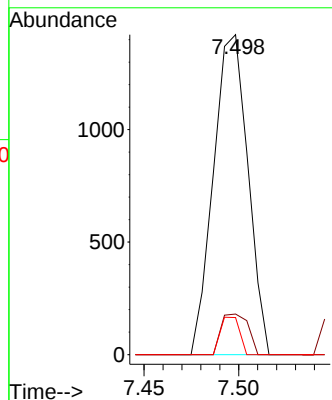
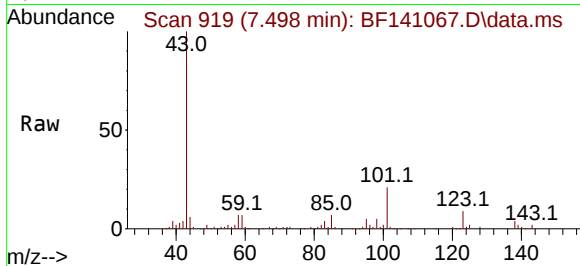




#26
2-Nitrophenol
Concen: 5.542 ng
RT: 7.498 min Scan# 919
Delta R.T. -0.230 min
Lab File: BF141067.D
Acq: 03 Jan 2025 15:02

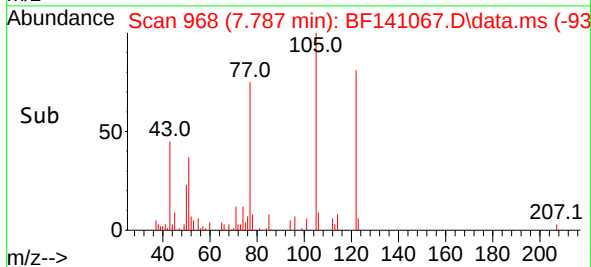
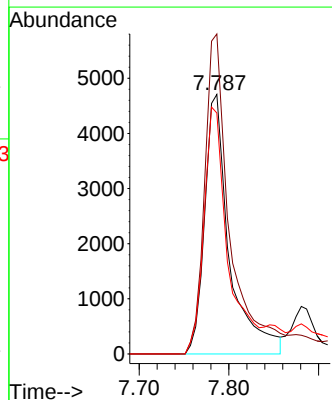
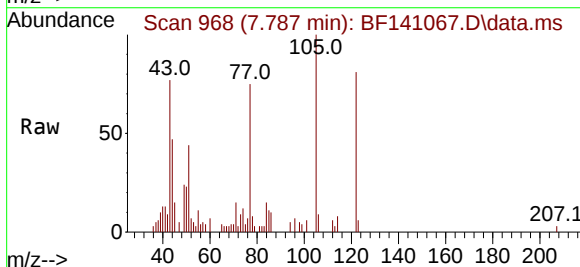
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341-349

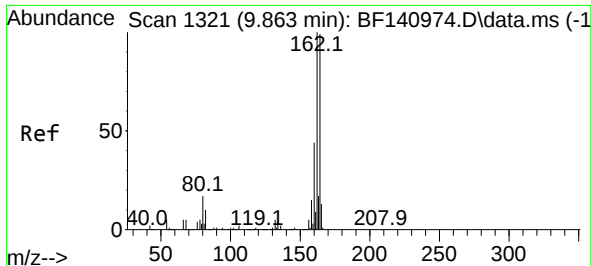
Tgt Ion:139 Resp: 1799
Ion Ratio Lower Upper
139 100
109 12.7 22.2 33.4#
65 11.6 40.2 60.4#



#32
Benzoic acid
Concen: 8.492 ng
RT: 7.787 min Scan# 968
Delta R.T. -0.076 min
Lab File: BF141067.D
Acq: 03 Jan 2025 15:02

Tgt Ion:122 Resp: 9034
Ion Ratio Lower Upper
122 100
105 123.3 105.4 145.4
77 92.9 76.4 116.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141067.D

Acq: 03 Jan 2025 15:02

Instrument :

BNA_F

ClientSampleId :

341-349

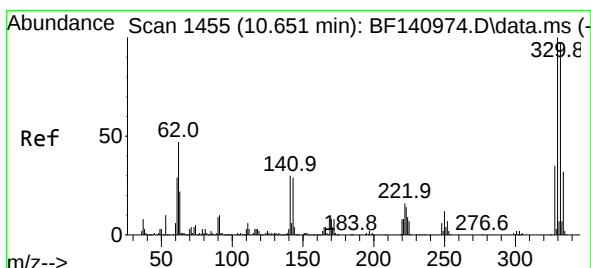
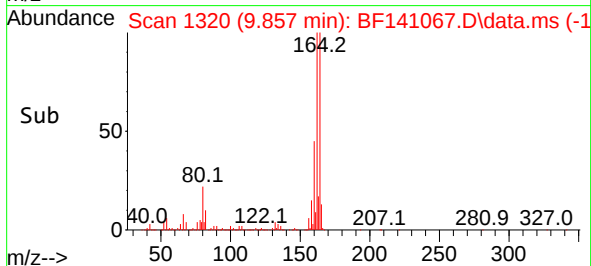
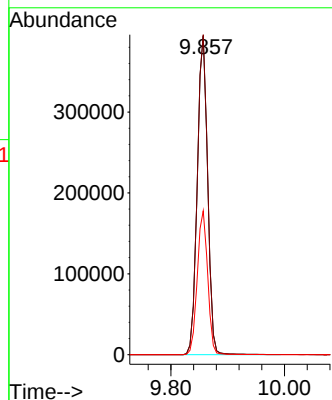
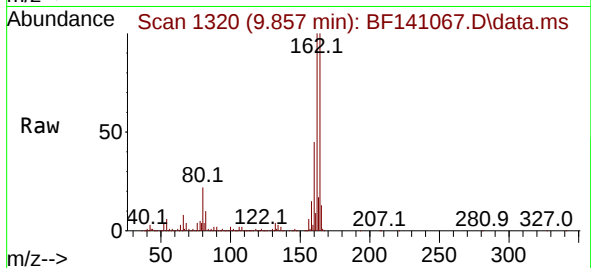
Tgt Ion:164 Resp: 501643

Ion Ratio Lower Upper

164 100

162 100.5 80.6 120.8

160 45.2 35.7 53.5



#42

2,4,6-Tribromophenol

Concen: 166.242 ng

RT: 10.645 min Scan# 1454

Delta R.T. -0.006 min

Lab File: BF141067.D

Acq: 03 Jan 2025 15:02

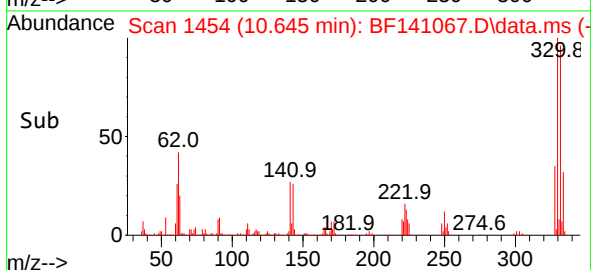
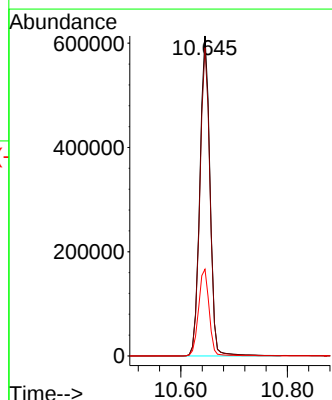
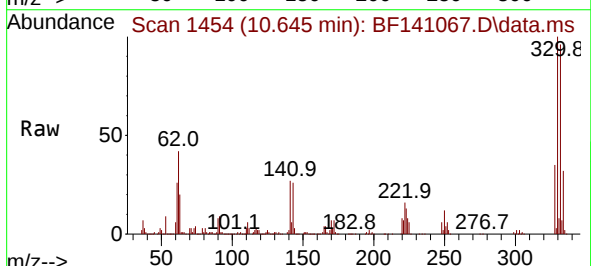
Tgt Ion:330 Resp: 810345

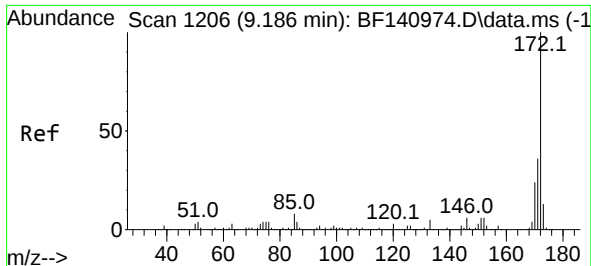
Ion Ratio Lower Upper

330 100

332 96.7 78.0 117.0

141 28.7 26.4 39.6





#45

2-Fluorobiphenyl

Concen: 91.845 ng

RT: 9.181 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141067.D

Acq: 03 Jan 2025 15:02

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341-349

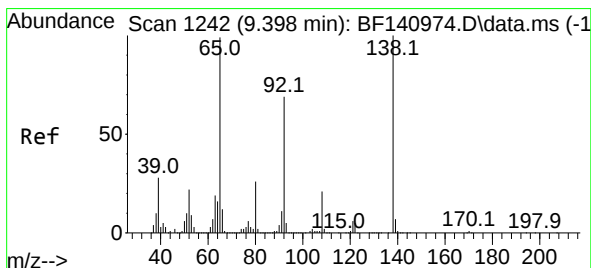
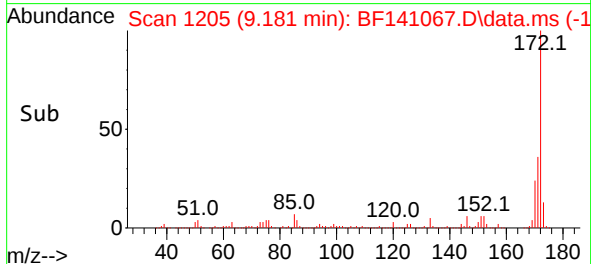
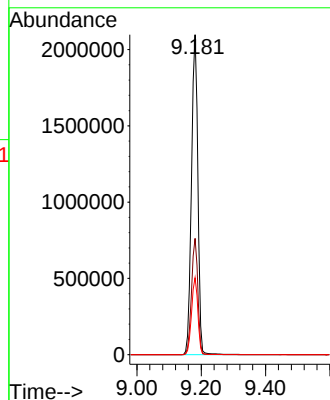
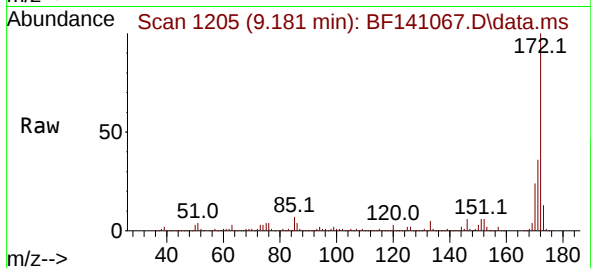
Tgt Ion:172 Resp: 2891812

Ion Ratio Lower Upper

172 100

171 36.3 29.0 43.4

170 24.1 19.6 29.4



#48

2-Nitroaniline

Concen: 5.215 ng

RT: 9.181 min Scan# 1205

Delta R.T. -0.217 min

Lab File: BF141067.D

Acq: 03 Jan 2025 15:02

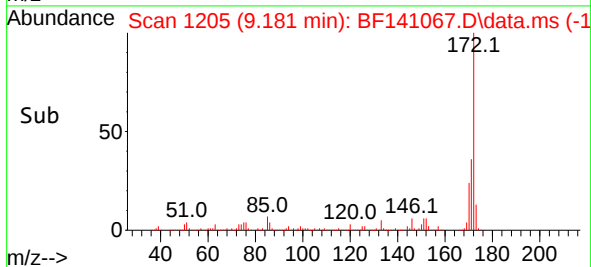
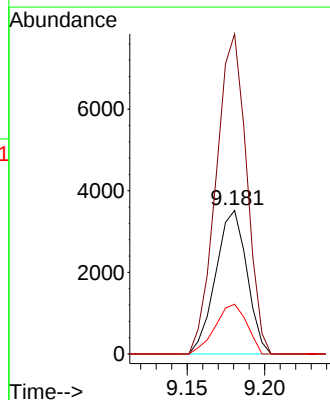
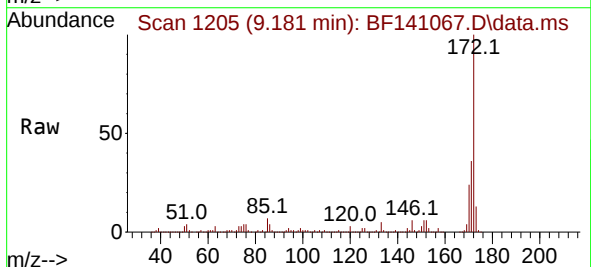
Tgt Ion: 65 Resp: 4928

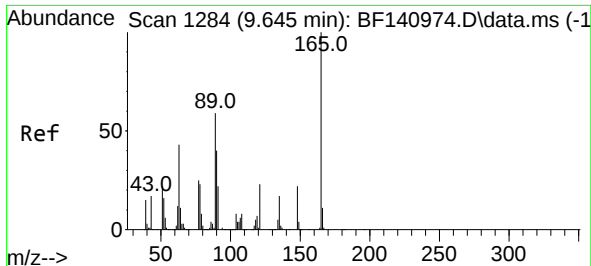
Ion Ratio Lower Upper

65 100

92 222.8 55.6 83.4#

138 34.7 80.5 120.7#

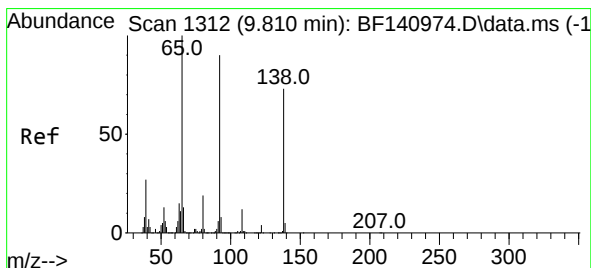
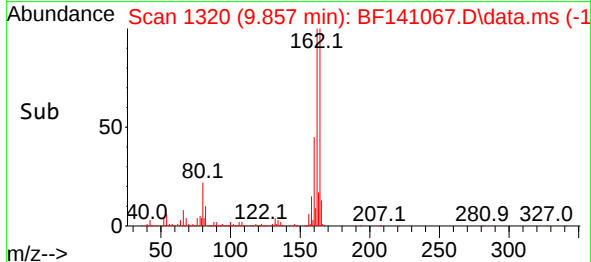
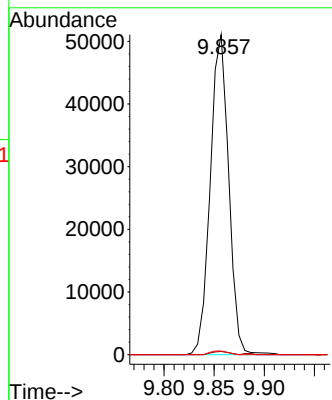
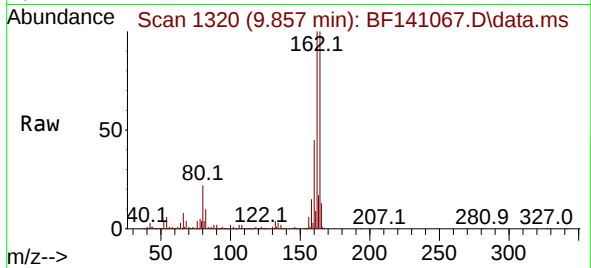




#51
2,6-Dinitrotoluene
Concen: 12.625 ng
RT: 9.857 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF141067.D
Acq: 03 Jan 2025 15:02

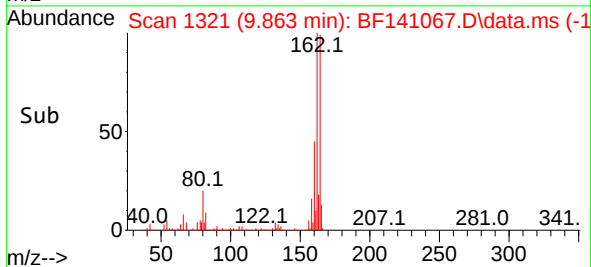
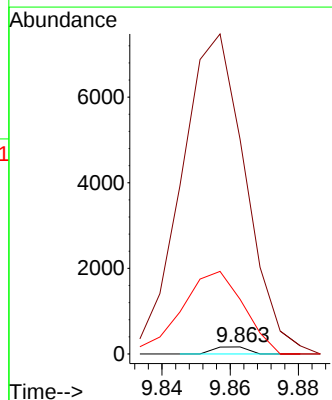
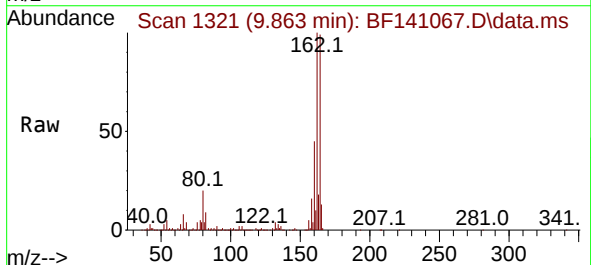
Instrument :
BNA_F
ClientSampleId :
341-349

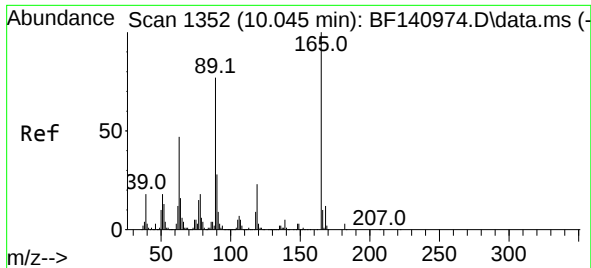
Tgt Ion:165 Resp: 65340
Ion Ratio Lower Upper
165 100
63 1.0 47.1 70.7#
89 1.2 47.0 70.4#



#53
3-Nitroaniline
Concen: 3.279 ng
RT: 9.863 min Scan# 1321
Delta R.T. 0.053 min
Lab File: BF141067.D
Acq: 03 Jan 2025 15:02

Tgt Ion:138 Resp: 114
Ion Ratio Lower Upper
138 100
108 3079.1 13.5 20.3#
92 784.7 97.7 146.5#

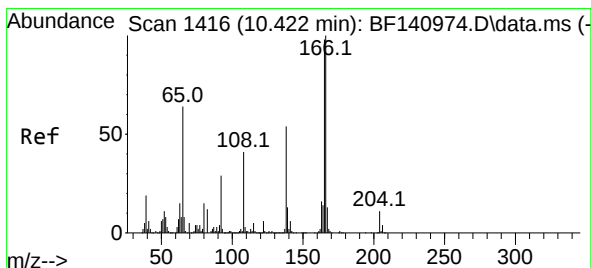
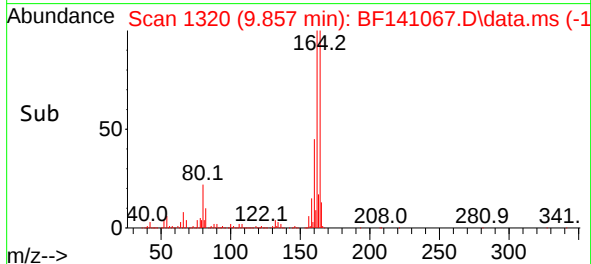
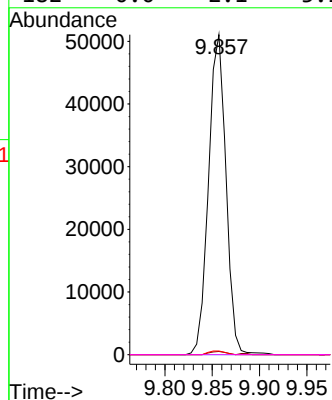
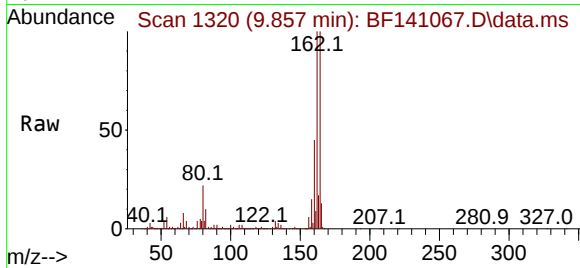




#57
2,4-Dinitrotoluene
Concen: 11.691 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF141067.D
Acq: 03 Jan 2025 15:02

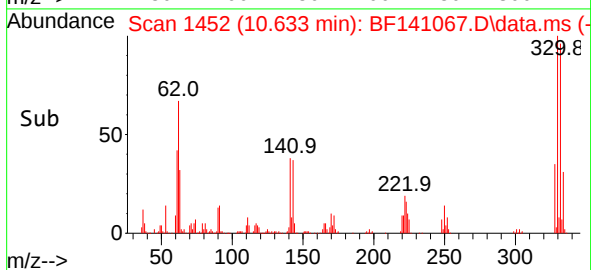
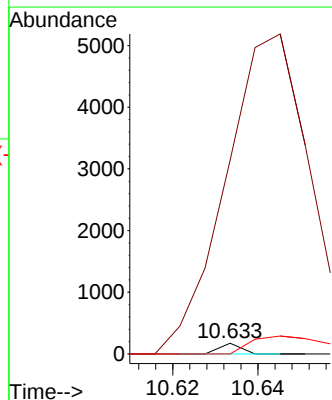
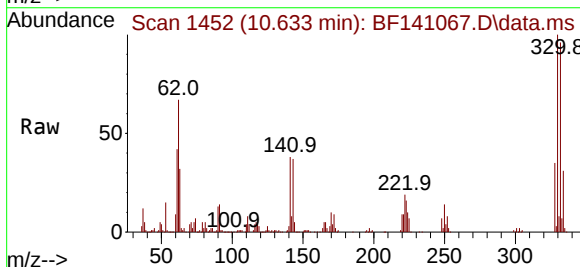
Instrument :
BNA_F
ClientSampleId :
341-349

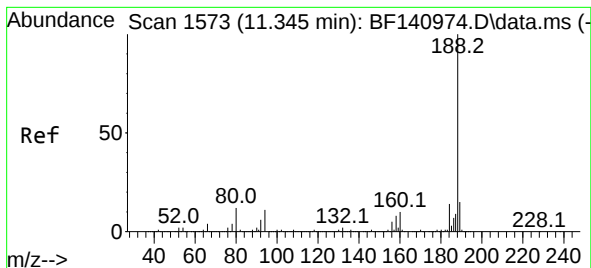
Tgt Ion:165 Resp: 65341
Ion Ratio Lower Upper
165 100
63 1.0 38.1 57.1#
89 1.2 61.4 92.2#
182 0.0 2.1 3.1#



#62
4-Nitroaniline
Concen: 3.354 ng
RT: 10.633 min Scan# 1452
Delta R.T. 0.211 min
Lab File: BF141067.D
Acq: 03 Jan 2025 15:02

Tgt Ion:138 Resp: 61
Ion Ratio Lower Upper
138 100
92 1816.2 34.8 74.8#
108 0.0 55.9 95.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.339 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141067.D

Acq: 03 Jan 2025 15:02

Instrument :

BNA_F

ClientSampleId :

341-349

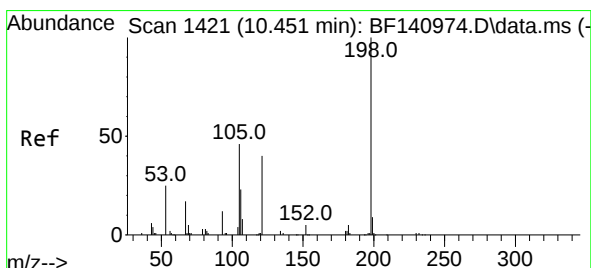
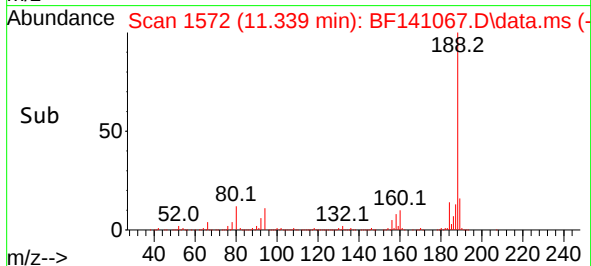
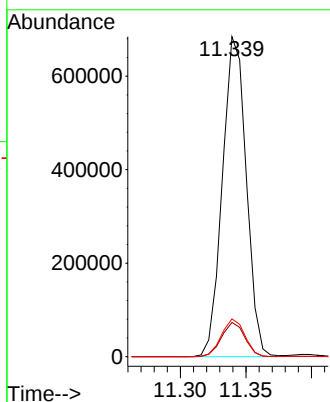
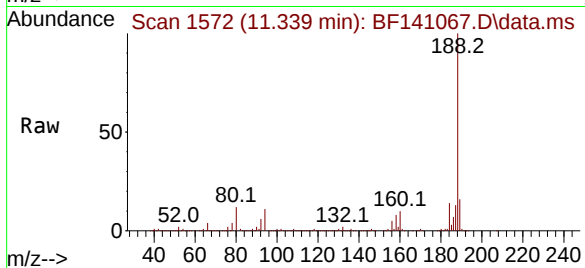
Tgt Ion:188 Resp: 866078

Ion Ratio Lower Upper

188 100

94 10.7 9.0 13.6

80 11.8 9.8 14.6



#65

4,6-Dinitro-2-methylphenol

Concen: 9.701 ng

RT: 10.645 min Scan# 1454

Delta R.T. 0.194 min

Lab File: BF141067.D

Acq: 03 Jan 2025 15:02

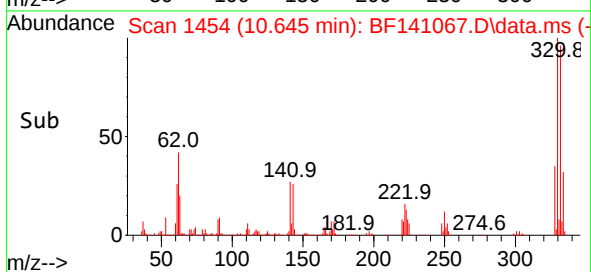
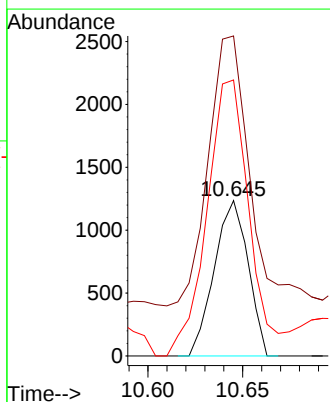
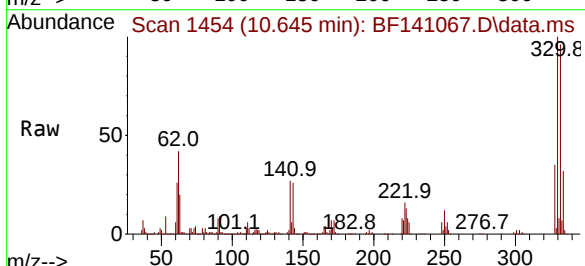
Tgt Ion:198 Resp: 1532

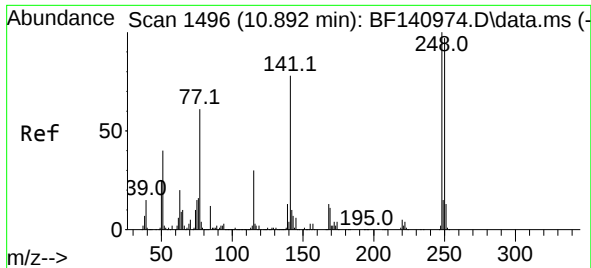
Ion Ratio Lower Upper

198 100

51 206.0 32.3 72.3#

105 177.7 28.4 68.4#

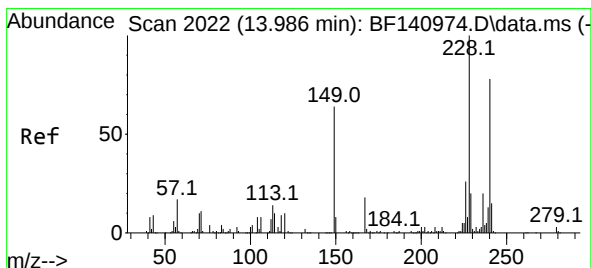
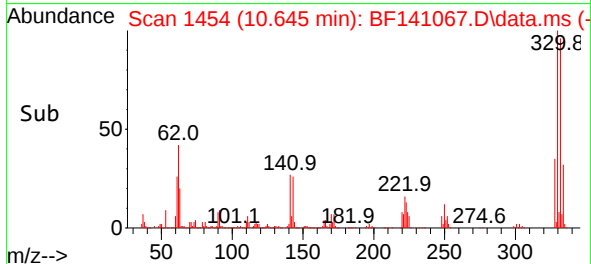
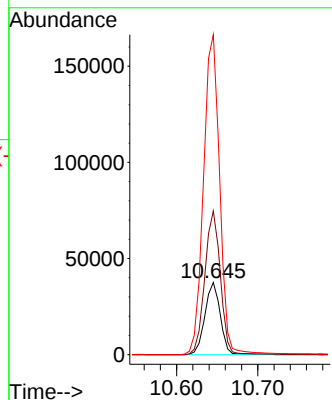
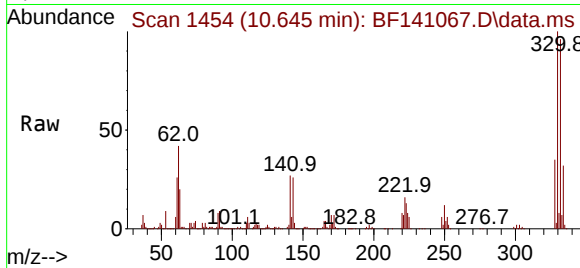




#67
4-Bromophenyl-phenylether
Concen: 5.263 ng
RT: 10.645 min Scan# 1496
Delta R.T. -0.247 min
Lab File: BF141067.D
Acq: 03 Jan 2025 15:02

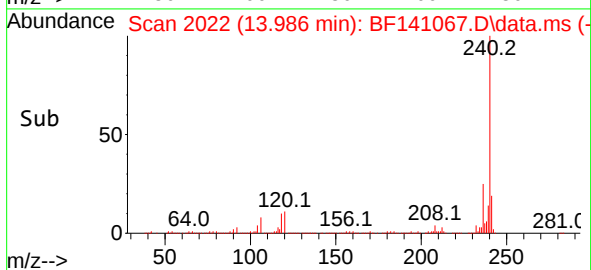
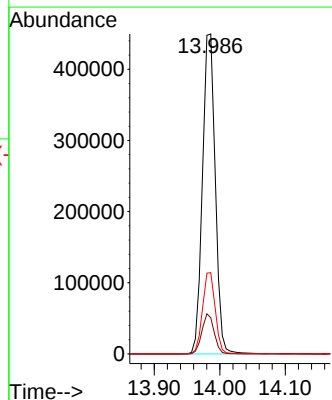
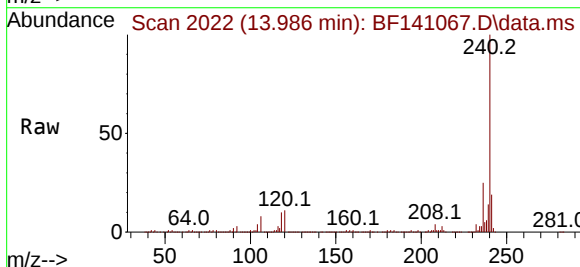
Instrument :
BNA_F
ClientSampleId :
341-349

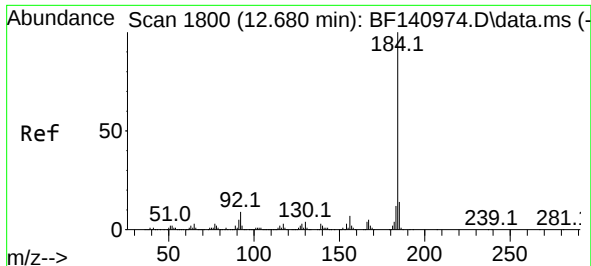
Tgt Ion:248 Resp: 49277
Ion Ratio Lower Upper
248 100
250 199.1 77.7 116.5#
141 443.1 62.1 93.1#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF141067.D
Acq: 03 Jan 2025 15:02

Tgt Ion:240 Resp: 614843
Ion Ratio Lower Upper
240 100
120 11.3 10.7 16.1
236 25.4 20.6 31.0

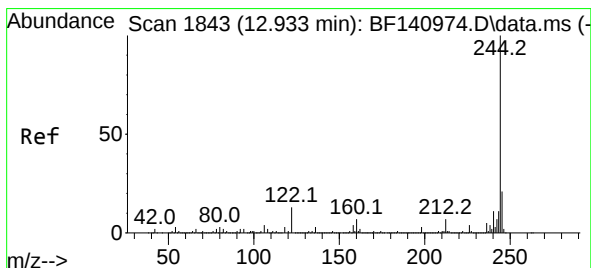
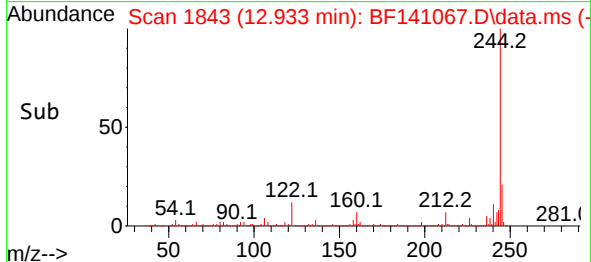
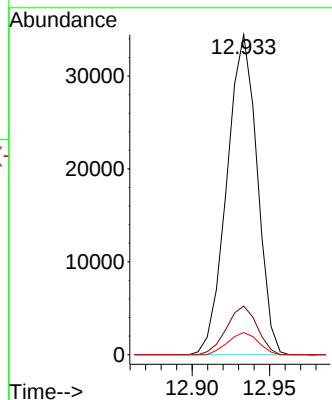
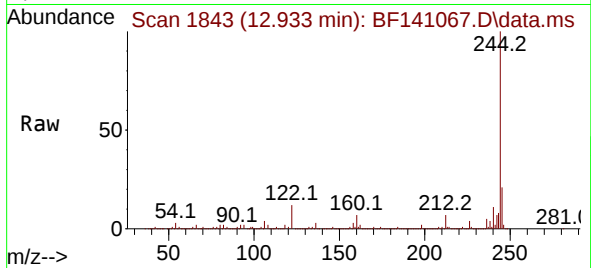




#77
Benzidine
Concen: 3.602 ng
RT: 12.933 min Scan# 1843
Delta R.T. 0.253 min
Lab File: BF141067.D
Acq: 03 Jan 2025 15:02

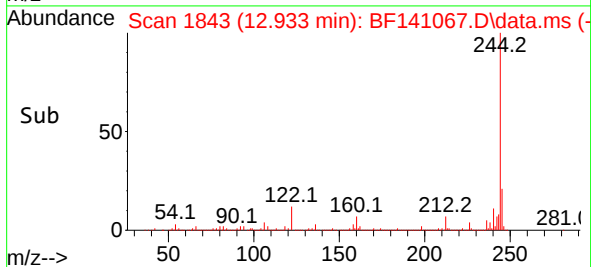
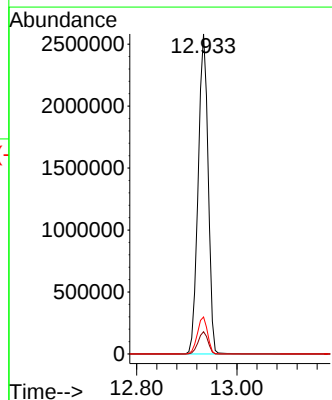
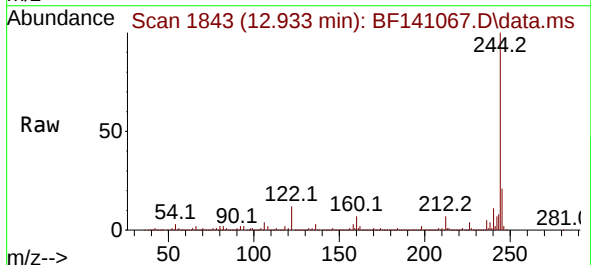
Instrument :
BNA_F
ClientSampleId :
341-349

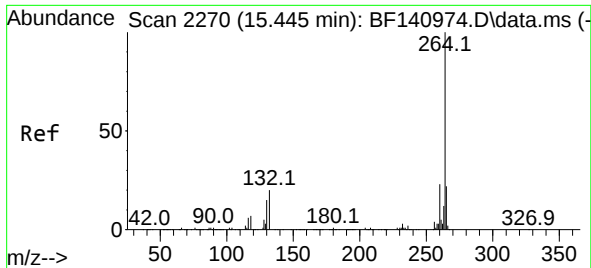
Tgt Ion:184 Resp: 46800
Ion Ratio Lower Upper
184 100
185 15.2 11.4 17.2
183 6.9 9.4 14.0#



#79
Terphenyl-d14
Concen: 95.871 ng
RT: 12.933 min Scan# 1843
Delta R.T. 0.000 min
Lab File: BF141067.D
Acq: 03 Jan 2025 15:02

Tgt Ion:244 Resp: 3548820
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 11.5 10.2 15.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF141067.D
Acq: 03 Jan 2025 15:02

Instrument :
BNA_F
ClientSampleId :
341-349

Tgt Ion:264 Resp: 502844
Ion Ratio Lower Upper
264 100
260 22.8 18.7 28.1
265 21.0 17.4 26.2

