

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
 Data File : BF141000.D
 Acq On : 27 Dec 2024 16:55
 Operator : RC/JU
 Sample : P5356-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STAND-PIPE

Quant Time: Dec 27 17:25:43 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

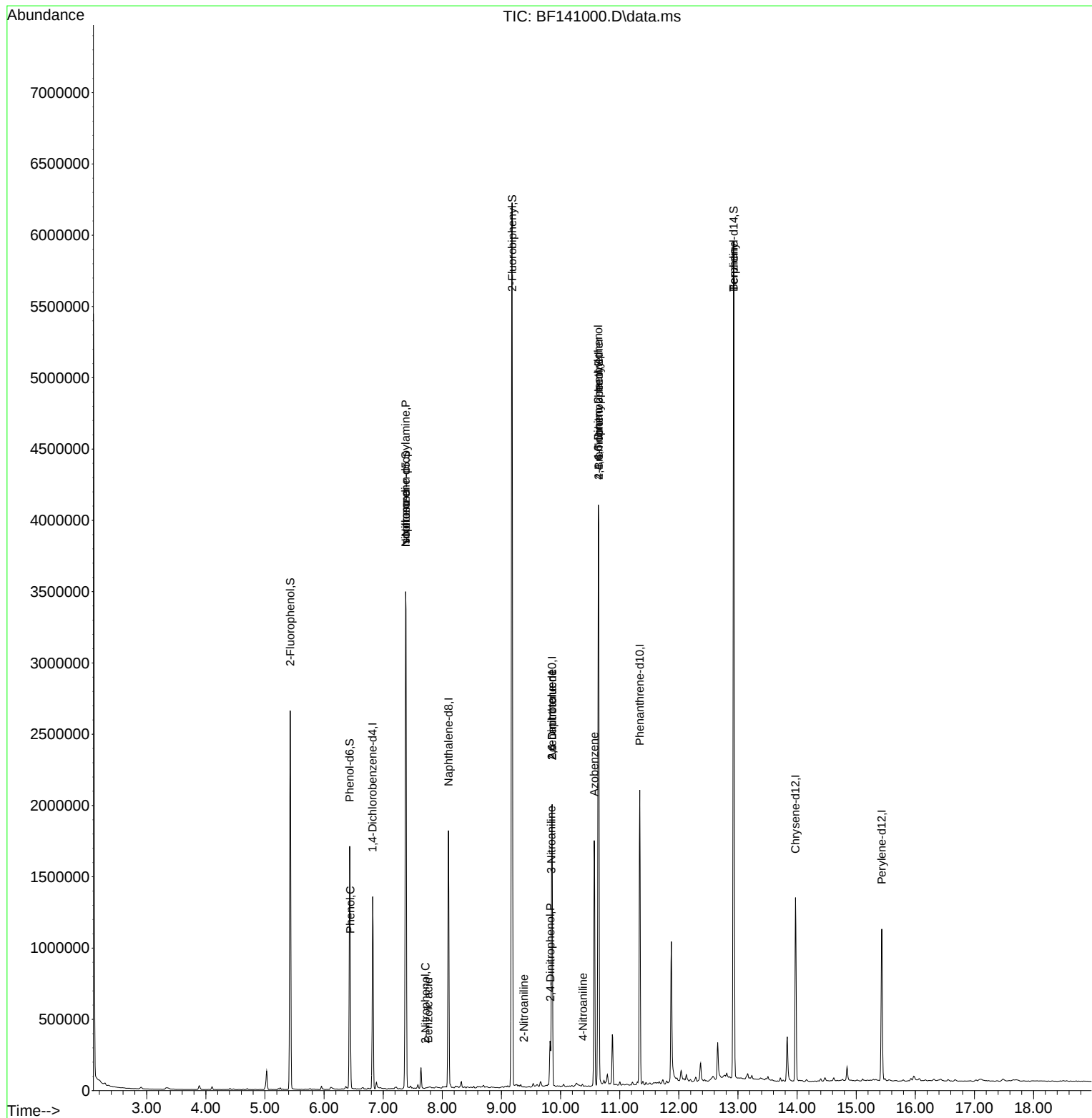
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	274306	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	1094927	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	589182	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	998377	20.000	ng	0.00
76) Chrysene-d12	13.974	240	586922	20.000	ng	-0.01
86) Perylene-d12	15.433	264	585878	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	973061	53.472	ng	0.00
7) Phenol-d6	6.434	99	756738	32.281	ng	-0.02
23) Nitrobenzene-d5	7.381	82	1658749	96.923	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	767804	134.111	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	2796008	75.608	ng	0.00
79) Terphenyl-d14	12.927	244	2899627	82.060	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.369	77	748	Below Cal	#	81
10) Phenol	6.445	94	50745	2.093	ng	# 75
19) n-Nitroso-di-n-propyla...	7.381	70	224587	15.638	ng	# 79
25) Isophorone	7.381	82	1642215	44.097	ng	# 65
26) 2-Nitrophenol	7.716	139	59	5.308	ng	# 1
32) Benzoic acid	7.763	122	792	7.752	ng	# 89
48) 2-Nitroaniline	9.381	65	672	4.710	ng	# 6
51) 2,6-Dinitrotoluene	9.857	165	75048	12.427	ng	# 23
53) 3-Nitroaniline	9.845	138	221	3.289	ng	# 1
54) 2,4-Dinitrophenol	9.828	184	715	6.523	ng	# 1
57) 2,4-Dinitrotoluene	9.857	165	75048	11.532	ng	# 21
62) 4-Nitroaniline	10.380	138	113	3.358	ng	# 48
63) Azobenzene	10.569	77	448147	11.160	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.639	198	1655	9.678	ng	# 1
67) 4-Bromophenyl-phenylether	10.645	248	47444	4.396	ng	# 1
77) Benzidine	12.927	184	37759	3.044	ng	# 92

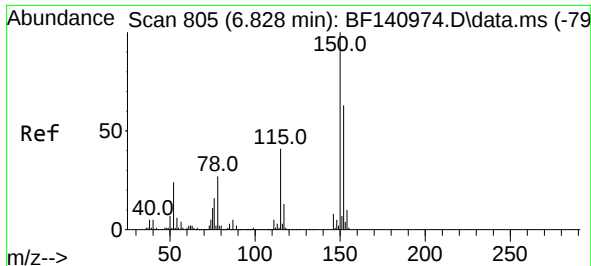
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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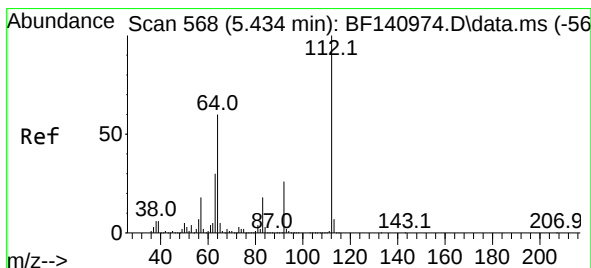
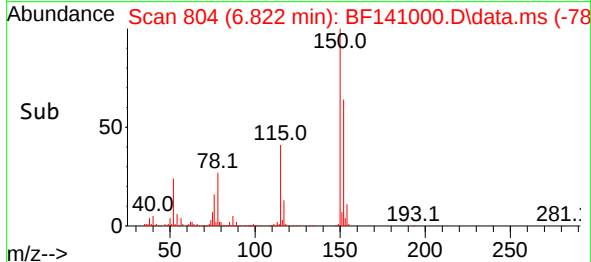
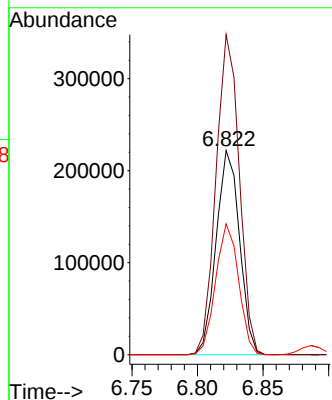
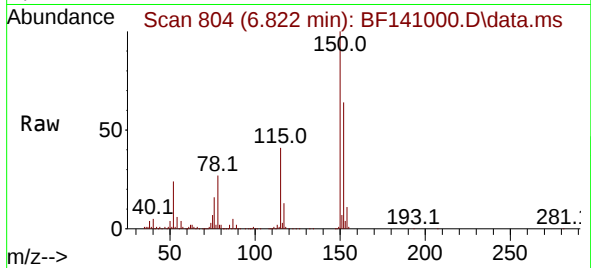




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.822 min Scan# 805
 Delta R.T. -0.006 min
 Lab File: BF141000.D
 Acq: 27 Dec 2024 16:55

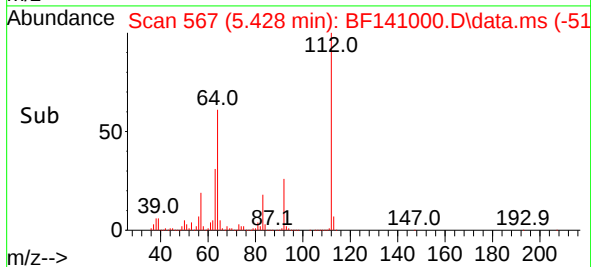
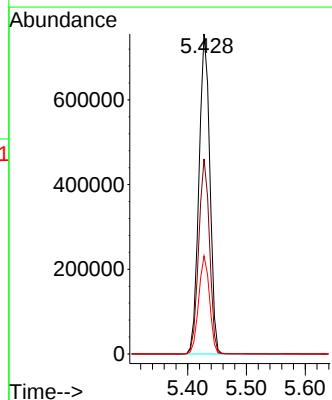
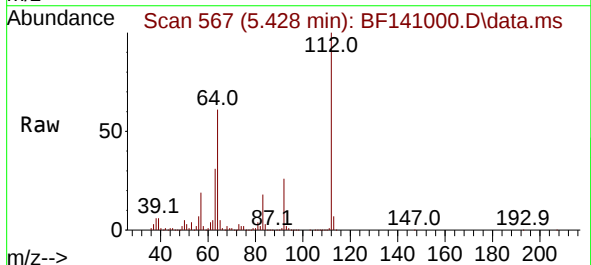
Instrument :
 BNA_F
 ClientSampleId :
 STAND-PIPE

Tgt Ion:152 Resp: 274306
 Ion Ratio Lower Upper
 152 100
 150 156.7 127.0 190.6
 115 64.1 51.7 77.5



#5
 2-Fluorophenol
 Concen: 53.472 ng
 RT: 5.428 min Scan# 567
 Delta R.T. -0.006 min
 Lab File: BF141000.D
 Acq: 27 Dec 2024 16:55

Tgt Ion:112 Resp: 973061
 Ion Ratio Lower Upper
 112 100
 64 61.0 47.7 71.5
 63 30.7 24.2 36.2

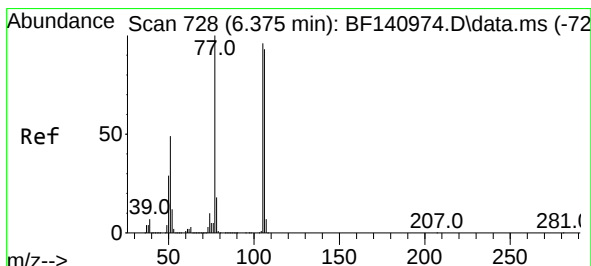
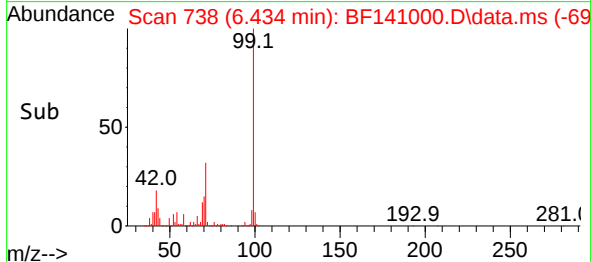
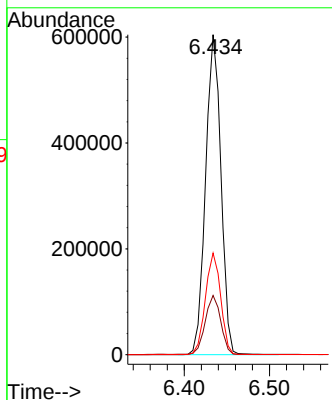
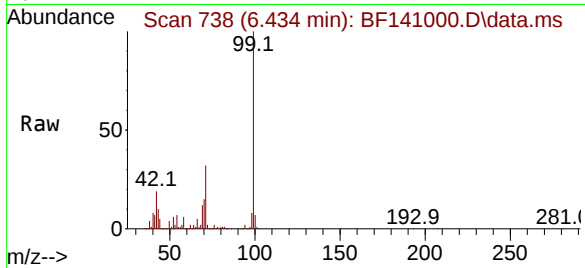




#7
Phenol-d6
Concen: 32.281 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141000.D
Acq: 27 Dec 2024 16:55

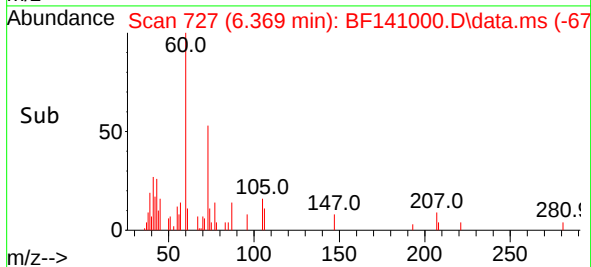
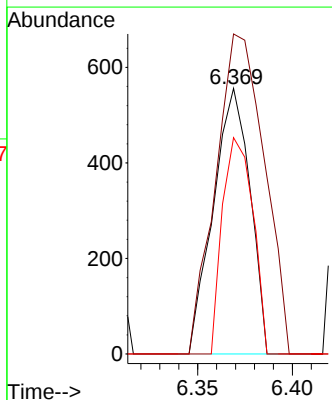
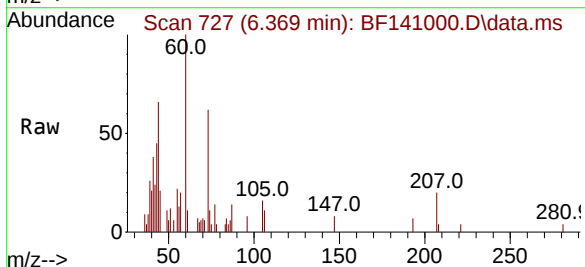
Instrument :
BNA_F
ClientSampleId :
STAND-PIPE

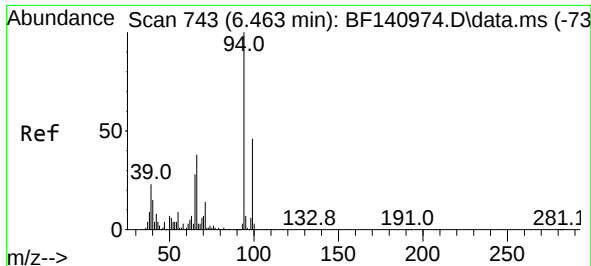
Tgt Ion: 99 Resp: 756738
Ion Ratio Lower Upper
99 100
42 18.5 15.0 22.4
71 31.7 26.2 39.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.369 min Scan# 727
Delta R.T. -0.006 min
Lab File: BF141000.D
Acq: 27 Dec 2024 16:55

Tgt Ion: 77 Resp: 748
Ion Ratio Lower Upper
77 100
105 120.5 76.2 116.2#
106 81.5 73.4 113.4

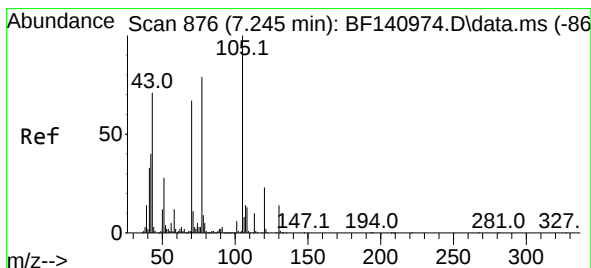
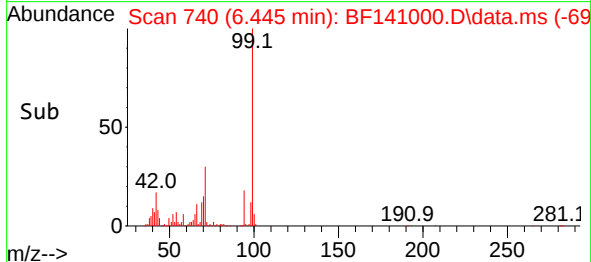
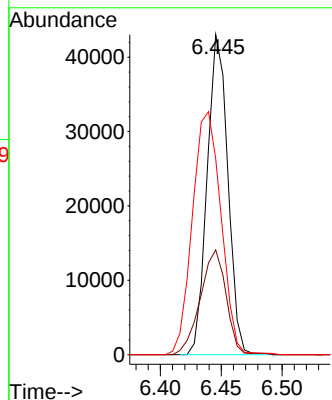
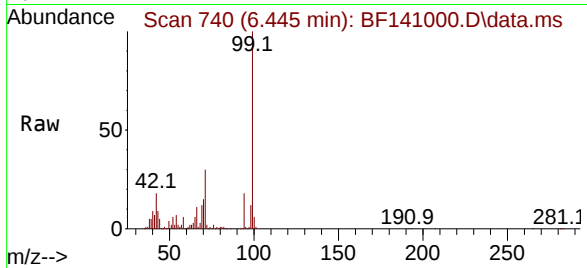




#10
Phenol
Concen: 2.093 ng
RT: 6.445 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF141000.D
Acq: 27 Dec 2024 16:55

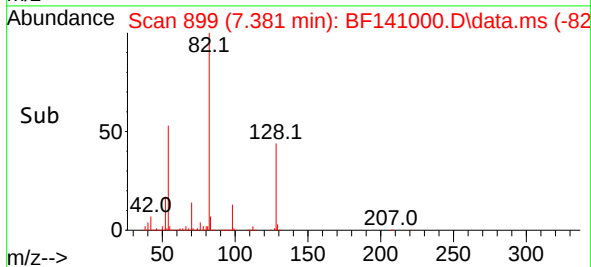
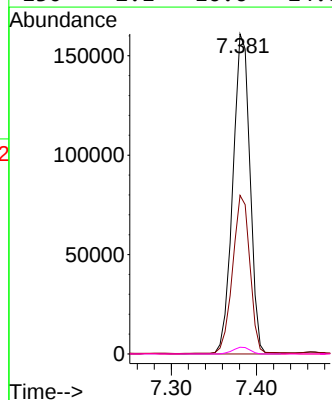
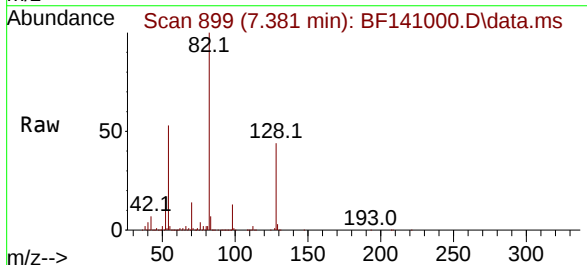
Instrument :
BNA_F
ClientSampleId :
STAND-PIPE

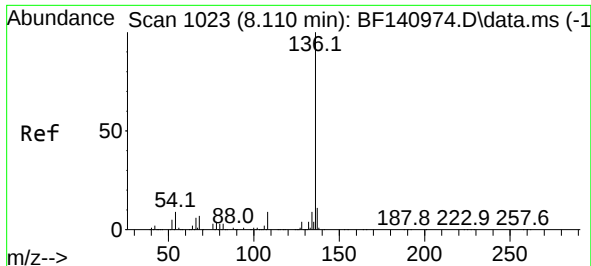
Tgt Ion: 94 Resp: 50745
Ion Ratio Lower Upper
94 100
65 32.8 8.1 48.1
66 61.2 18.7 58.7#



#19
n-Nitroso-di-n-propylamine
Concen: 15.638 ng
RT: 7.381 min Scan# 899
Delta R.T. 0.135 min
Lab File: BF141000.D
Acq: 27 Dec 2024 16:55

Tgt Ion: 70 Resp: 224587
Ion Ratio Lower Upper
70 100
42 49.5 48.1 72.1
101 0.0 7.6 11.4#
130 2.1 16.6 24.8#

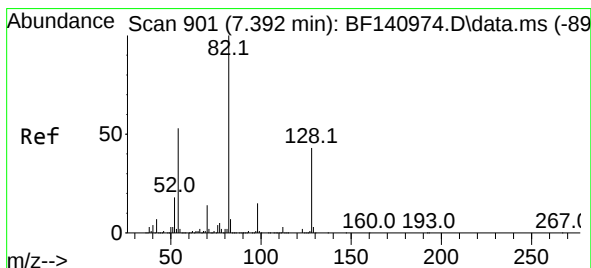
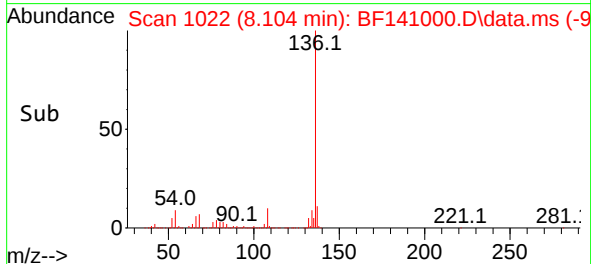
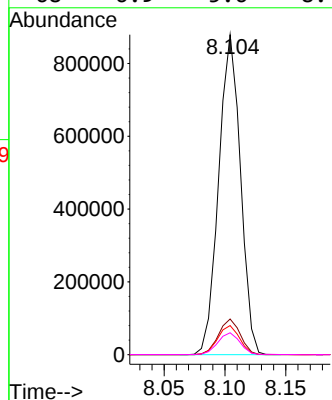
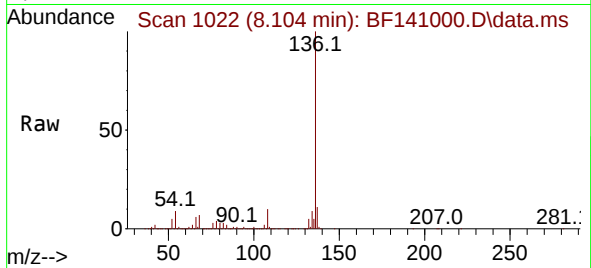




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF141000.D
Acq: 27 Dec 2024 16:55

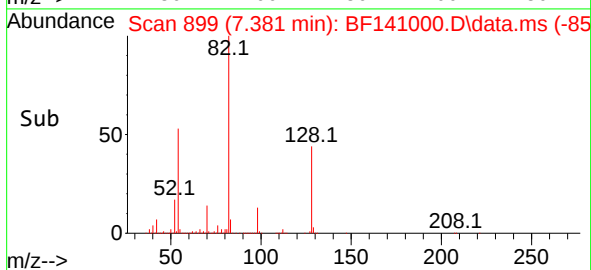
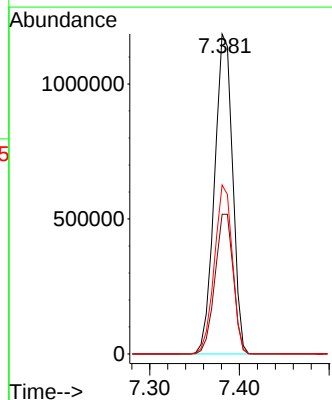
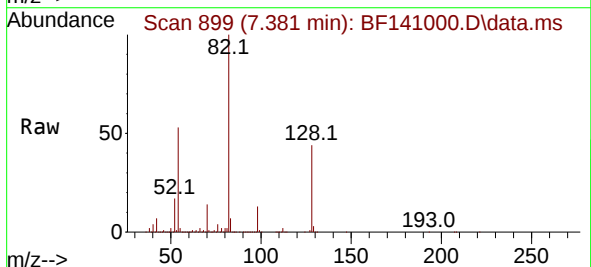
Instrument :
BNA_F
ClientSampleId :
STAND-PIPE

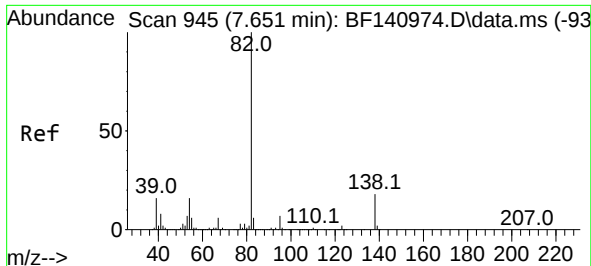
Tgt Ion:136 Resp: 1094927
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 9.1 7.6 11.4
68 6.9 5.6 8.4



#23
Nitrobenzene-d5
Concen: 96.923 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF141000.D
Acq: 27 Dec 2024 16:55

Tgt Ion: 82 Resp: 1658749
Ion Ratio Lower Upper
82 100
128 43.7 34.4 51.6
54 52.8 42.4 63.6

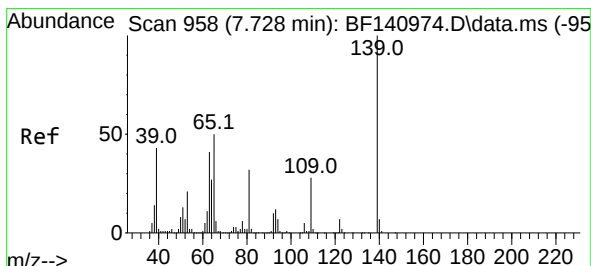
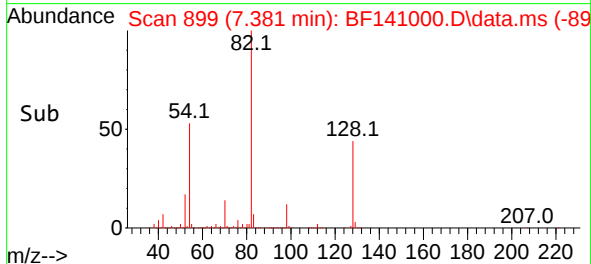
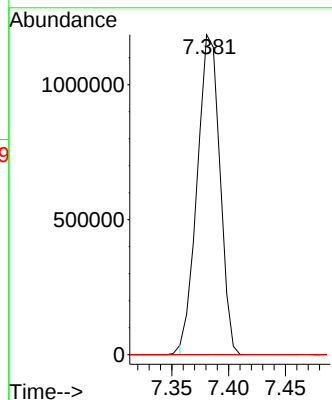
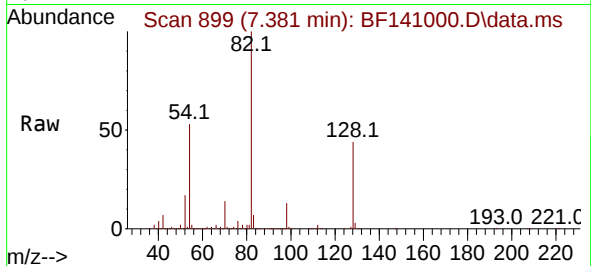




#25
Isophorone
Concen: 44.097 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.271 min
Lab File: BF141000.D
Acq: 27 Dec 2024 16:55

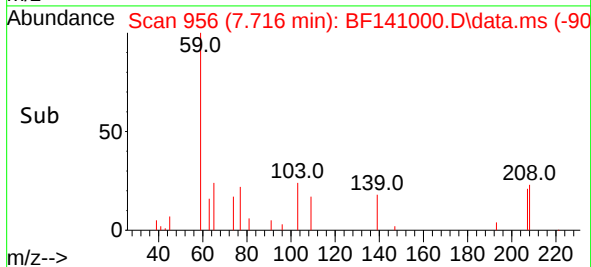
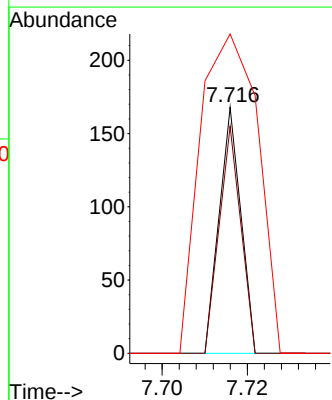
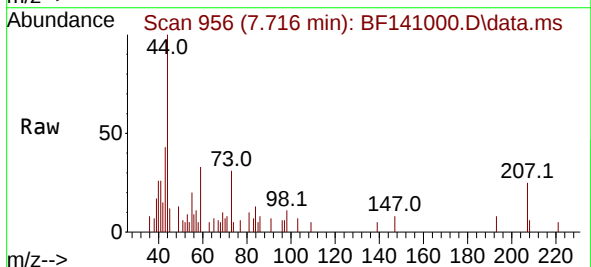
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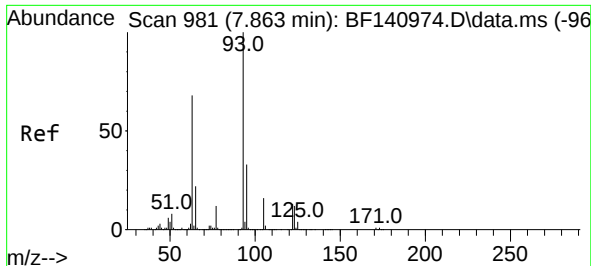
Tgt Ion: 82 Resp: 1642215
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 21.8#



#26
2-Nitrophenol
Concen: 5.308 ng
RT: 7.716 min Scan# 956
Delta R.T. -0.012 min
Lab File: BF141000.D
Acq: 27 Dec 2024 16:55

Tgt Ion:139 Resp: 59
Ion Ratio Lower Upper
139 100
109 92.3 22.2 33.4#
65 129.8 40.2 60.4#

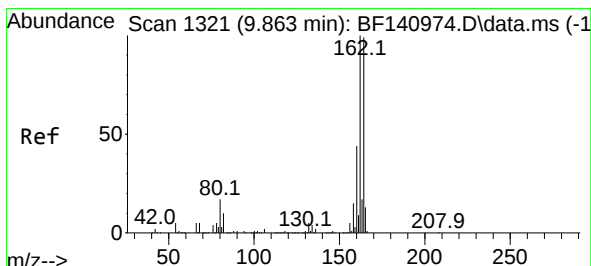
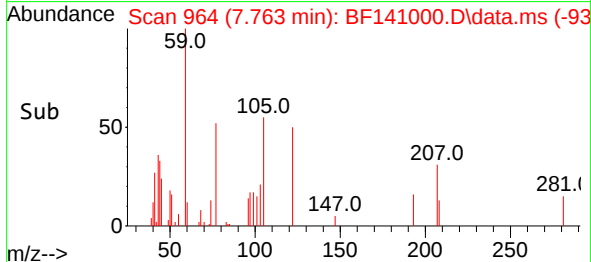
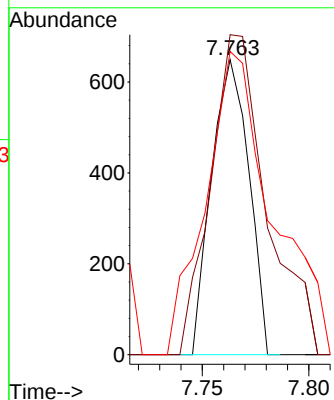
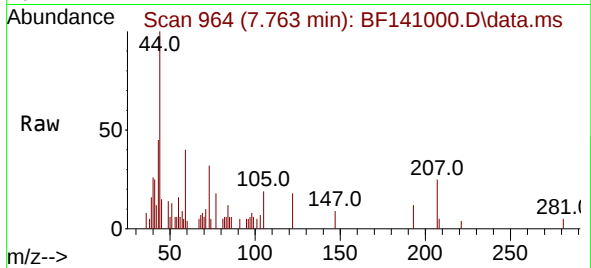




#32
Benzoic acid
Concen: 7.752 ng
RT: 7.763 min Scan# 90
Delta R.T. -0.100 min
Lab File: BF141000.D
Acq: 27 Dec 2024 16:55

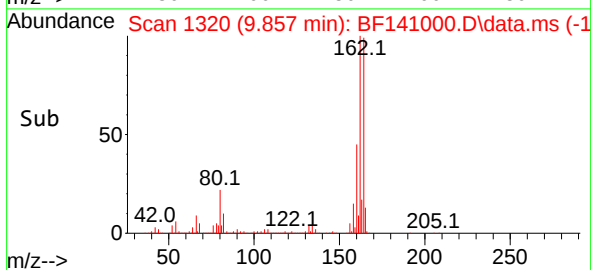
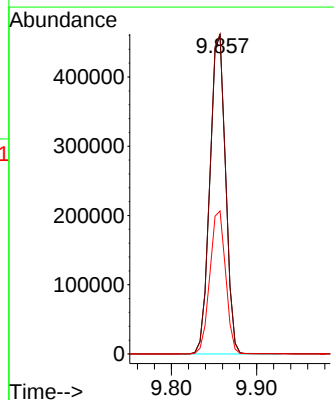
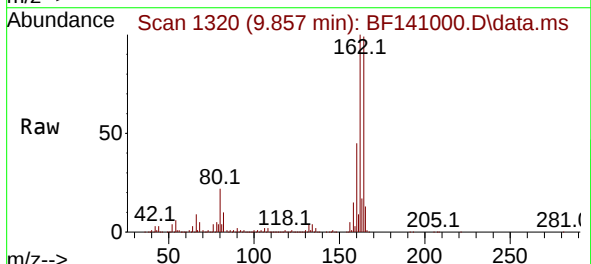
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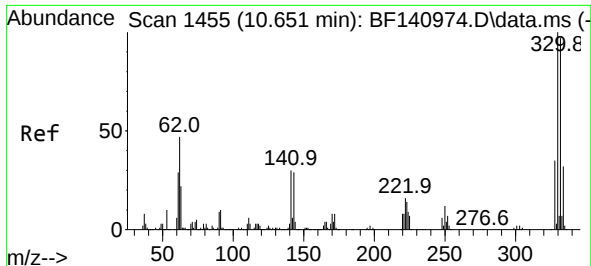
Tgt Ion:122 Resp: 792
Ion Ratio Lower Upper
122 100
105 108.5 105.4 145.4
77 102.8 76.4 116.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF141000.D
Acq: 27 Dec 2024 16:55

Tgt Ion:164 Resp: 589182
Ion Ratio Lower Upper
164 100
162 100.6 80.6 120.8
160 45.0 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 134.111 ng

RT: 10.645 min Scan# 1454

Delta R.T. -0.006 min

Lab File: BF141000.D

Acq: 27 Dec 2024 16:55

Instrument :

BNA_F

ClientSampleId :

STAND-PIPE

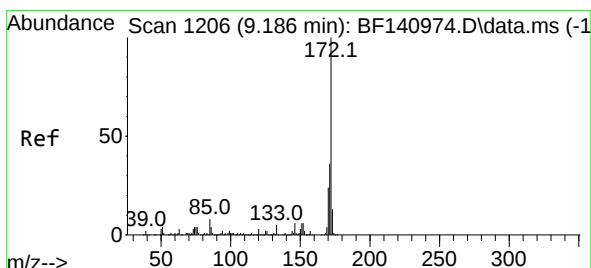
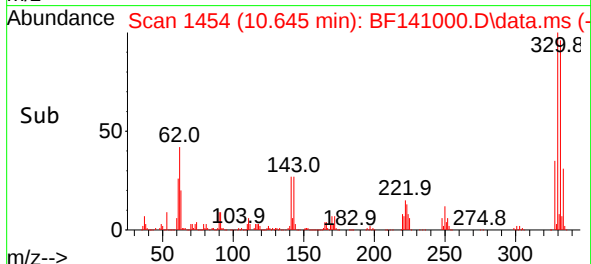
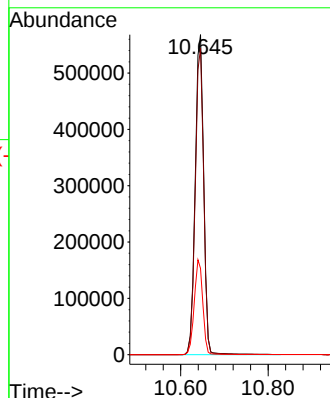
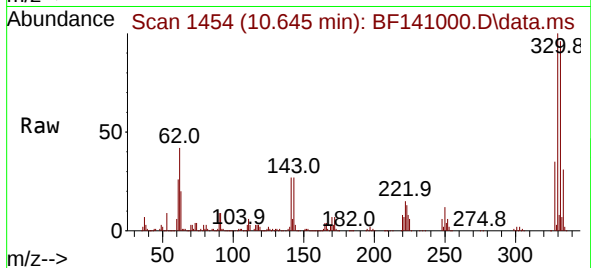
Tgt Ion:330 Resp: 767804

Ion Ratio Lower Upper

330 100

332 94.9 78.0 117.0

141 29.7 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 75.608 ng

RT: 9.181 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF141000.D

Acq: 27 Dec 2024 16:55

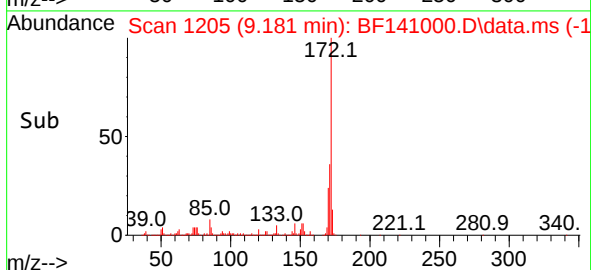
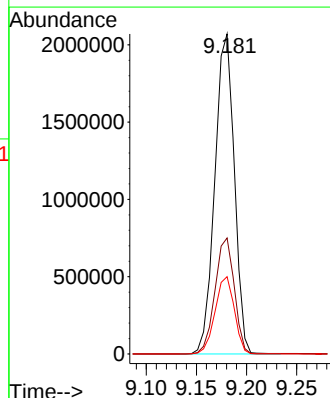
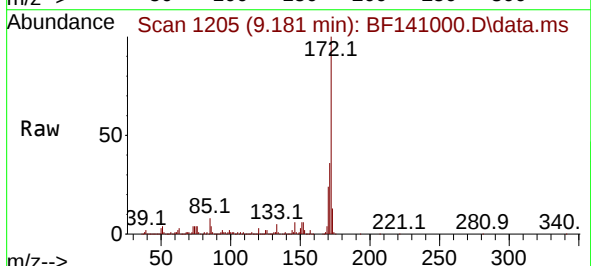
Tgt Ion:172 Resp: 2796008

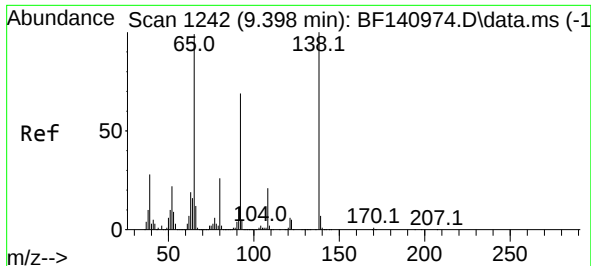
Ion Ratio Lower Upper

172 100

171 36.3 29.0 43.4

170 24.2 19.6 29.4

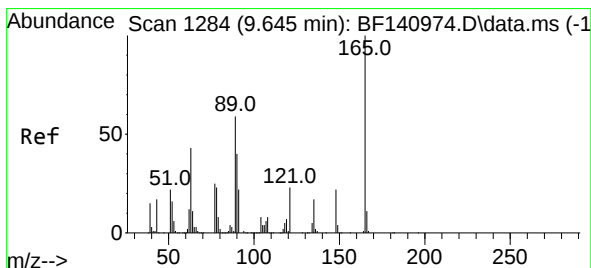
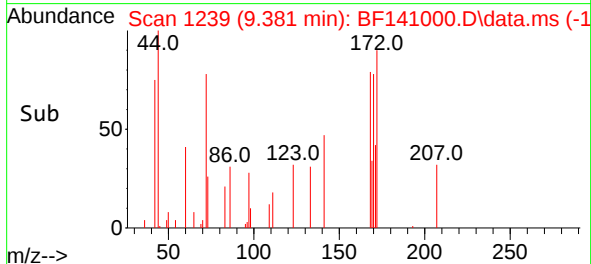
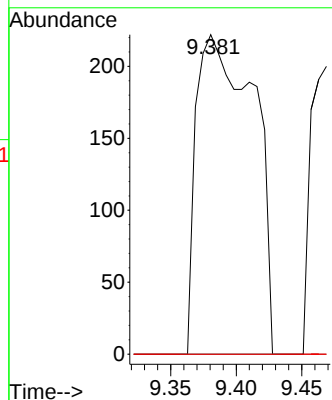
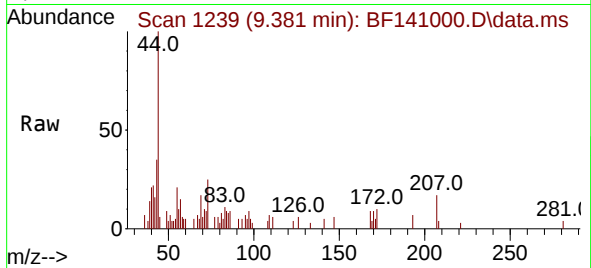




#48
2-Nitroaniline
Concen: 4.710 ng
RT: 9.381 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141000.D
Acq: 27 Dec 2024 16:55

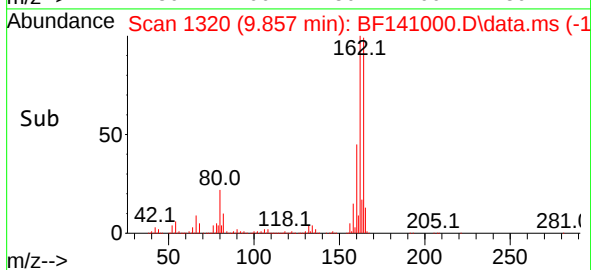
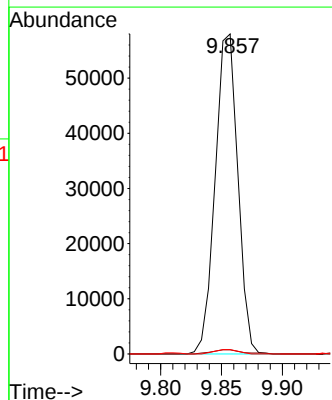
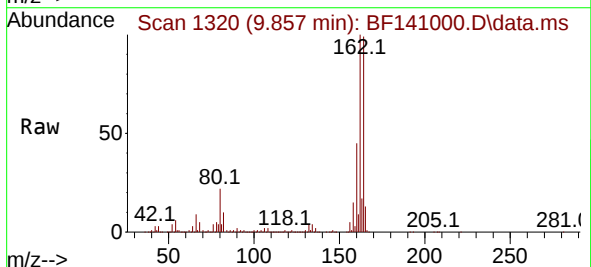
Instrument :
BNA_F
ClientSampleId :
STAND-PIPE

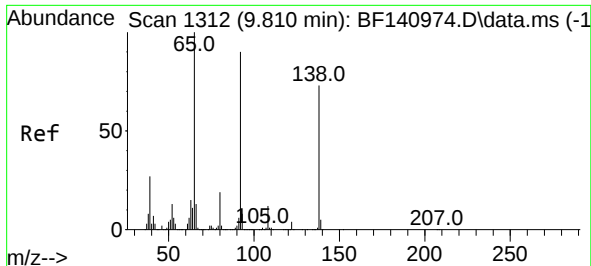
Tgt Ion: 65 Resp: 672
Ion Ratio Lower Upper
65 100
92 0.0 55.6 83.4#
138 0.0 80.5 120.7#



#51
2,6-Dinitrotoluene
Concen: 12.427 ng
RT: 9.857 min Scan# 1320
Delta R.T. 0.212 min
Lab File: BF141000.D
Acq: 27 Dec 2024 16:55

Tgt Ion: 165 Resp: 75048
Ion Ratio Lower Upper
165 100
63 1.3 47.1 70.7#
89 1.4 47.0 70.4#

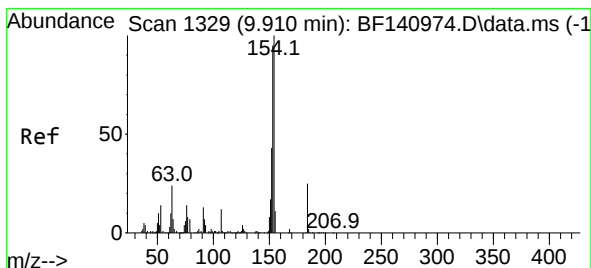
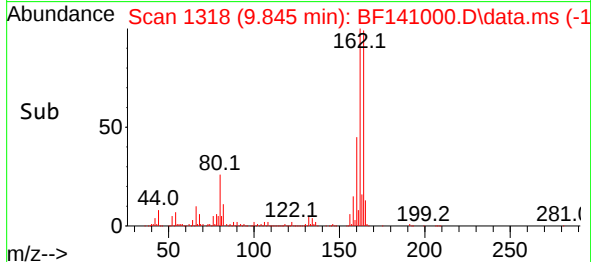
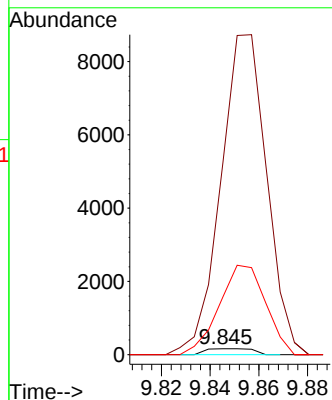
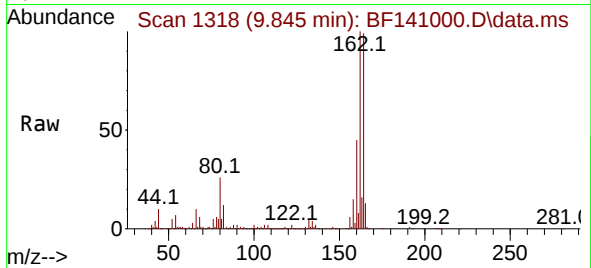




#53
3-Nitroaniline
Concen: 3.289 ng
RT: 9.845 min Scan# 11
Delta R.T. 0.035 min
Lab File: BF141000.D
Acq: 27 Dec 2024 16:55

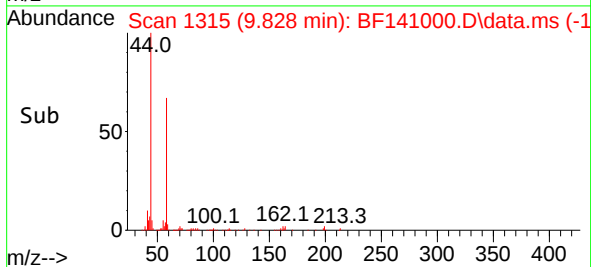
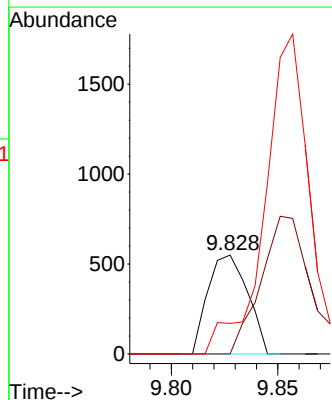
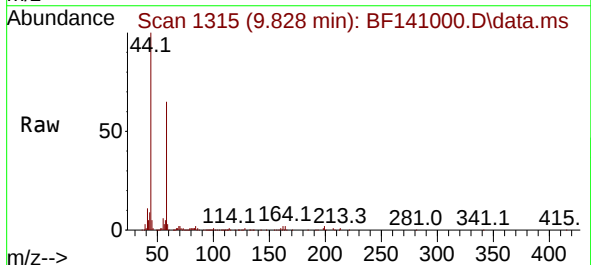
Instrument :
BNA_F
ClientSampleId :
STAND-PIPE

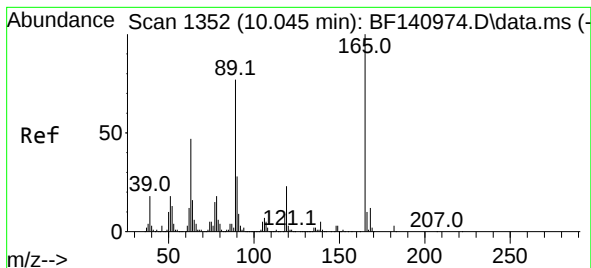
Tgt Ion:138 Resp: 221
Ion Ratio Lower Upper
138 100
108 3256.5 13.5 20.3#
92 979.5 97.7 146.5#



#54
2,4-Dinitrophenol
Concen: 6.523 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.082 min
Lab File: BF141000.D
Acq: 27 Dec 2024 16:55

Tgt Ion:184 Resp: 715
Ion Ratio Lower Upper
184 100
63 0.0 81.6 122.4#
154 30.9 363.5 545.3#

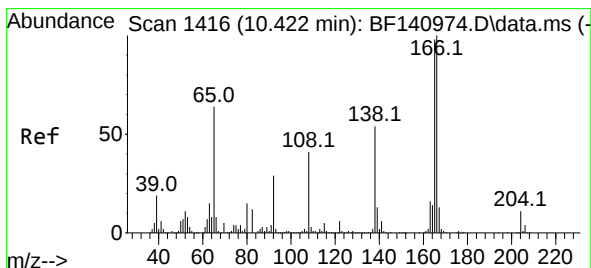
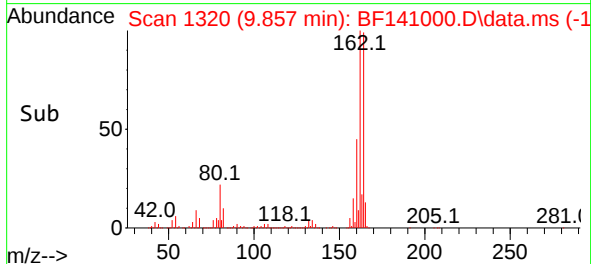
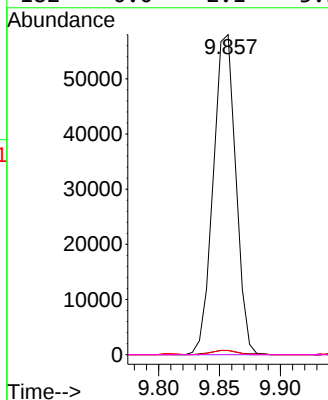
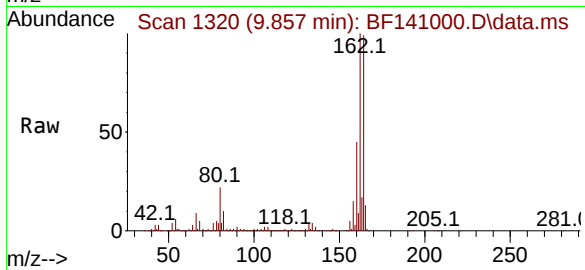




#57
2,4-Dinitrotoluene
Concen: 11.532 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF141000.D
Acq: 27 Dec 2024 16:55

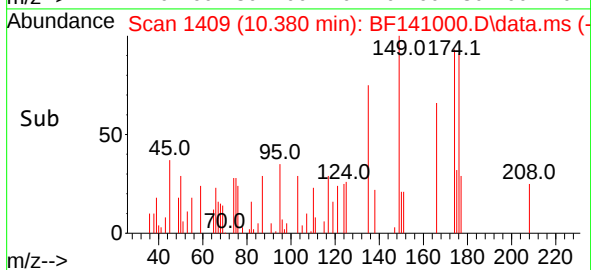
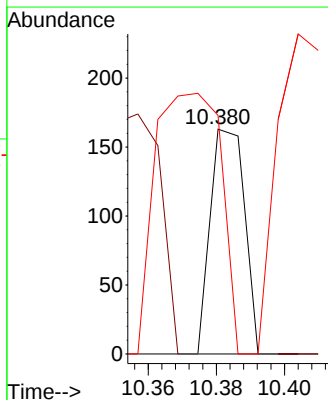
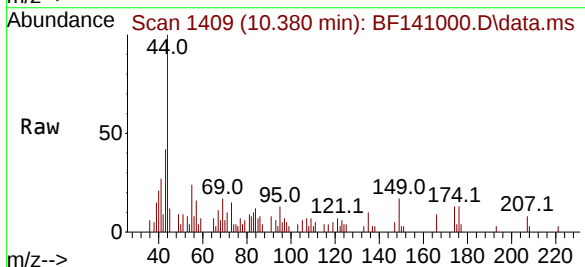
Instrument :
BNA_F
ClientSampleId :
STAND-PIPE

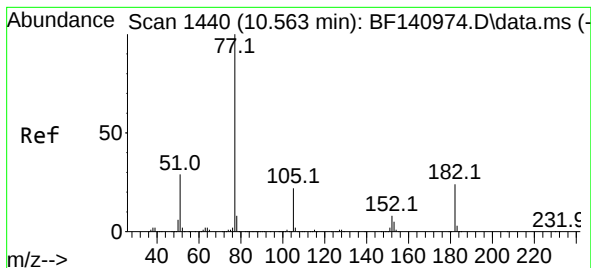
Tgt Ion:165 Resp: 75048
Ion Ratio Lower Upper
165 100
63 1.3 38.1 57.1#
89 1.4 61.4 92.2#
182 0.0 2.1 3.1#



#62
4-Nitroaniline
Concen: 3.358 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.042 min
Lab File: BF141000.D
Acq: 27 Dec 2024 16:55

Tgt Ion:138 Resp: 113
Ion Ratio Lower Upper
138 100
92 0.0 34.8 74.8#
108 106.1 55.9 95.9#





#63

Azobenzene

Concen: 11.160 ng

RT: 10.569 min Scan# 1441

Delta R.T. 0.006 min

Lab File: BF141000.D

Acq: 27 Dec 2024 16:55

Instrument :

BNA_F

ClientSampleId :

STAND-PIPE

Tgt Ion: 77 Resp: 448147

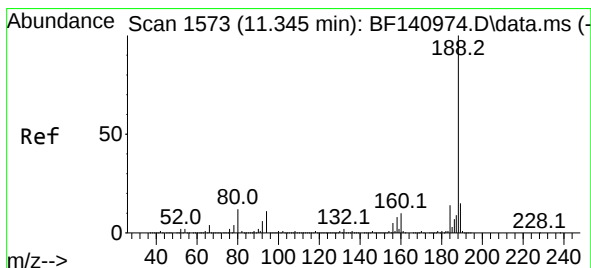
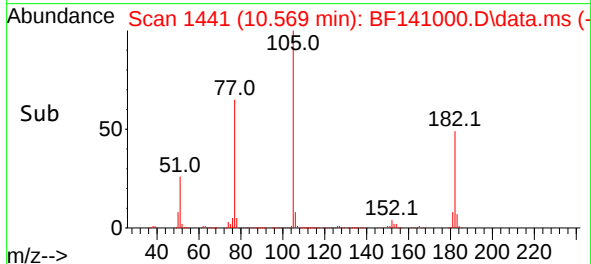
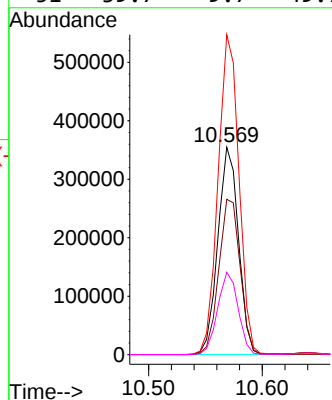
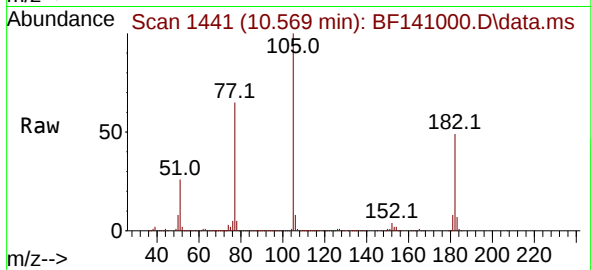
Ion Ratio Lower Upper

77 100

182 74.9 4.1 44.1#

105 154.2 1.8 41.8#

51 39.7 9.7 49.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.339 min Scan# 1572

Delta R.T. -0.006 min

Lab File: BF141000.D

Acq: 27 Dec 2024 16:55

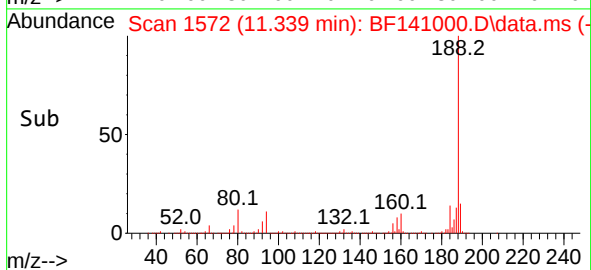
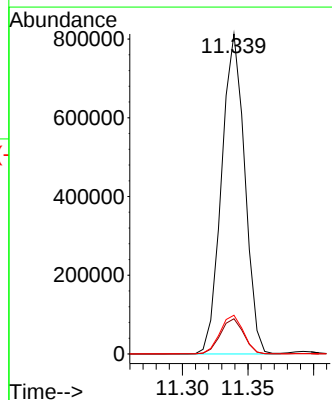
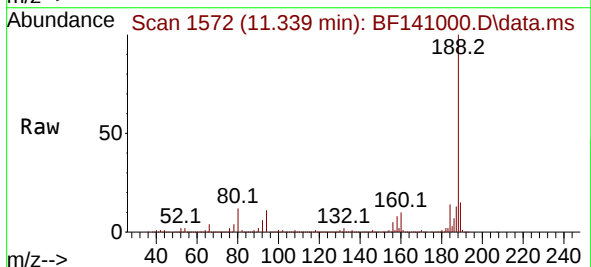
Tgt Ion:188 Resp: 998377

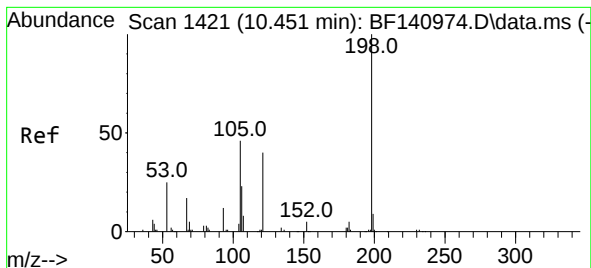
Ion Ratio Lower Upper

188 100

94 11.0 9.0 13.6

80 12.1 9.8 14.6

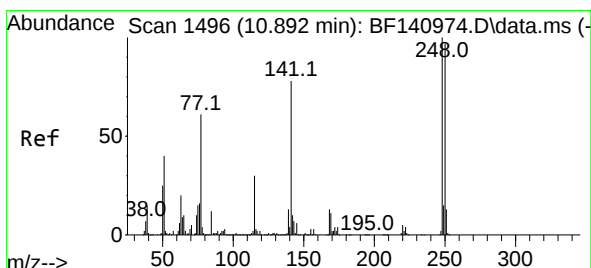
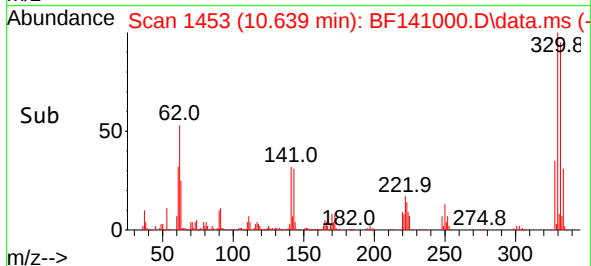
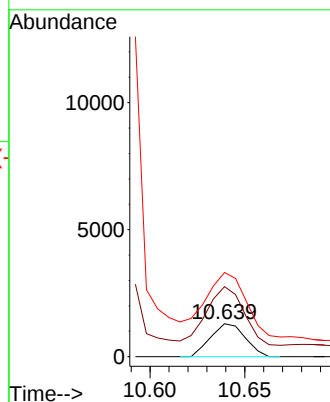
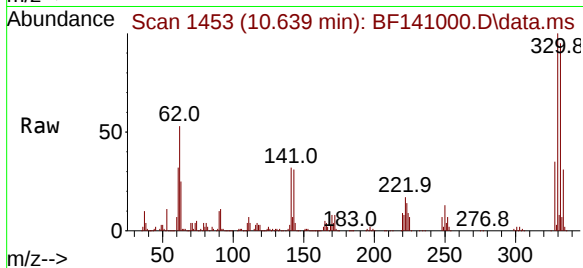




#65
4,6-Dinitro-2-methylphenol
Concen: 9.678 ng
RT: 10.639 min Scan# 141
Delta R.T. 0.188 min
Lab File: BF141000.D
Acq: 27 Dec 2024 16:55

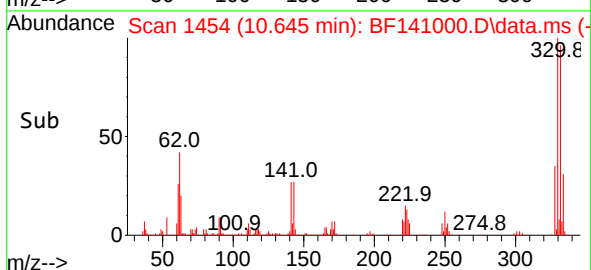
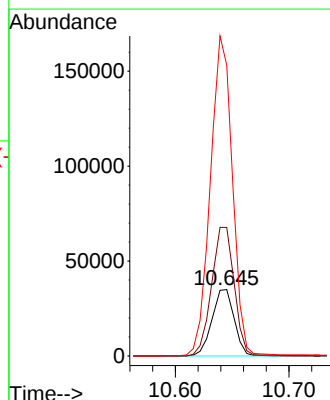
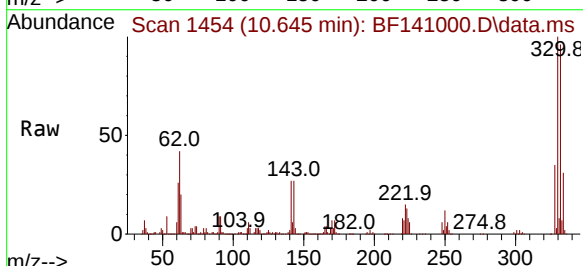
Instrument :
BNA_F
ClientSampleId :
STAND-PIPE

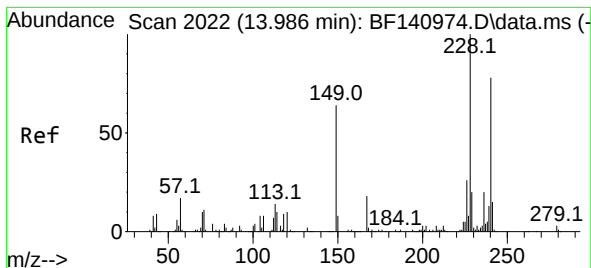
Tgt Ion:198 Resp: 1655
Ion Ratio Lower Upper
198 100
51 212.7 32.3 72.3#
105 255.7 28.4 68.4#



#67
4-Bromophenyl-phenylether
Concen: 4.396 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.247 min
Lab File: BF141000.D
Acq: 27 Dec 2024 16:55

Tgt Ion:248 Resp: 47444
Ion Ratio Lower Upper
248 100
250 193.8 77.7 116.5#
141 438.3 62.1 93.1#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141000.D

Acq: 27 Dec 2024 16:55

Instrument :

BNA_F

ClientSampleId :

STAND-PIPE

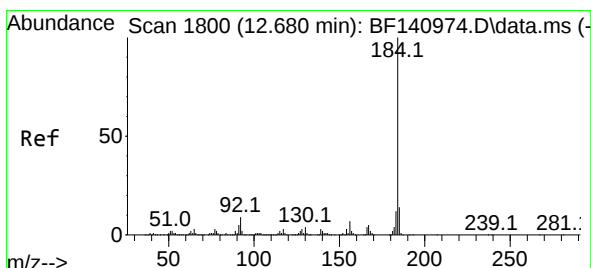
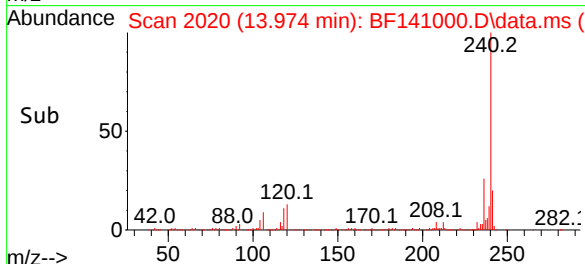
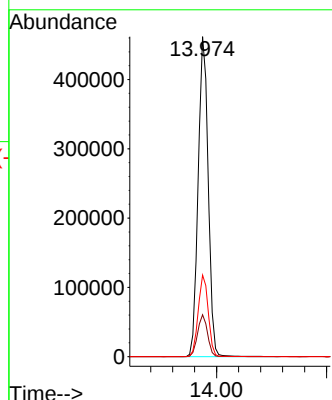
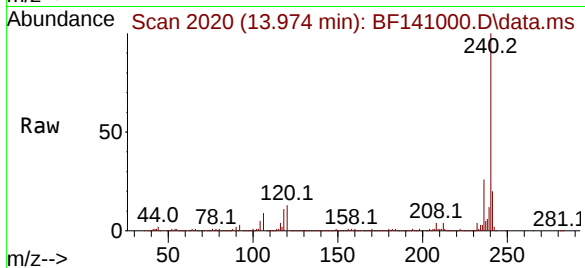
Tgt Ion:240 Resp: 586922

Ion Ratio Lower Upper

240 100

120 13.1 10.7 16.1

236 25.5 20.6 31.0



#77

Benzidine

Concen: 3.044 ng

RT: 12.927 min Scan# 1842

Delta R.T. 0.247 min

Lab File: BF141000.D

Acq: 27 Dec 2024 16:55

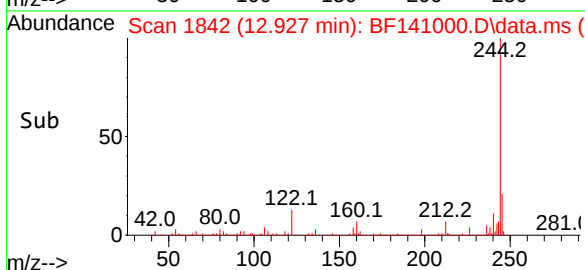
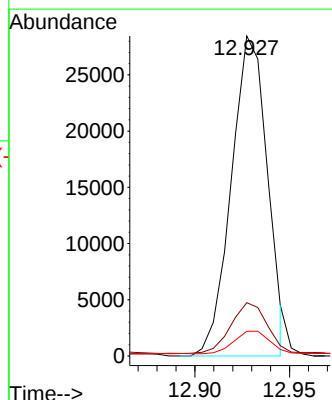
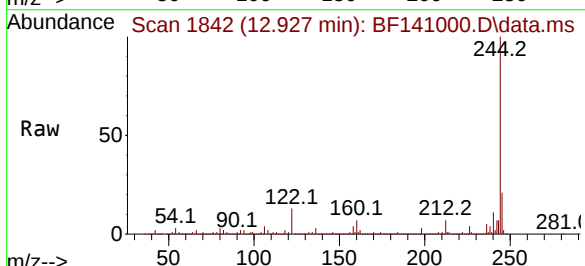
Tgt Ion:184 Resp: 37759

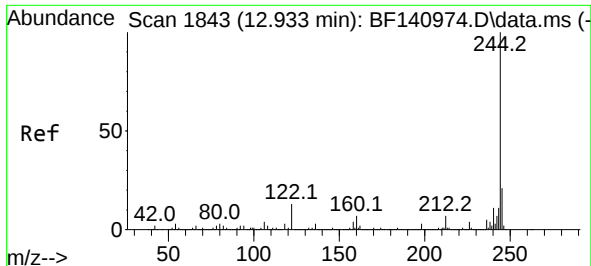
Ion Ratio Lower Upper

184 100

185 16.6 11.4 17.2

183 7.7 9.4 14.0#

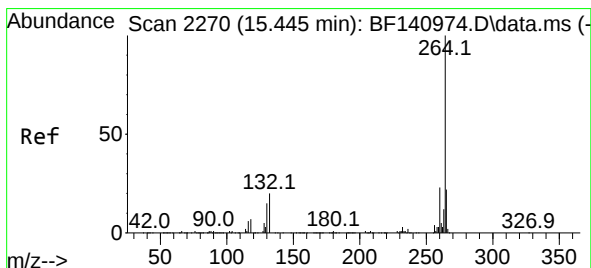
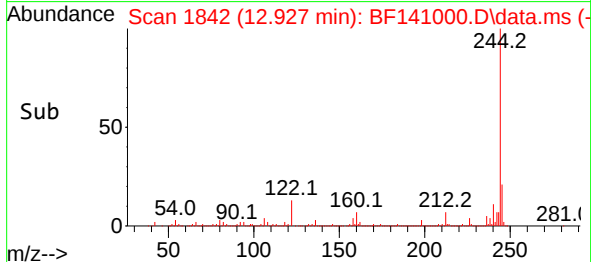
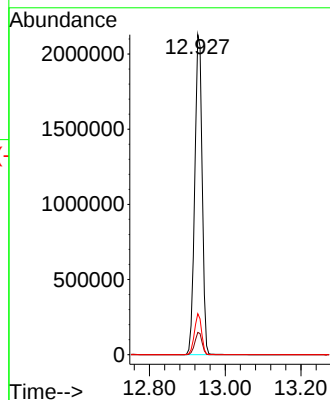
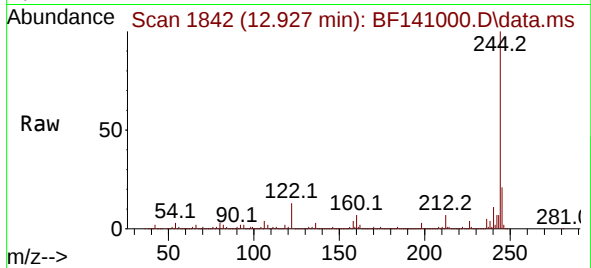




#79
 Terphenyl-d14
 Concen: 82.060 ng
 RT: 12.927 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF141000.D
 Acq: 27 Dec 2024 16:55

Instrument :
 BNA_F
 ClientSampleId :
 STAND-PIPE

Tgt Ion:244 Resp: 2899627
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.7 8.5
 122 12.8 10.2 15.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.433 min Scan# 2268
 Delta R.T. -0.012 min
 Lab File: BF141000.D
 Acq: 27 Dec 2024 16:55

Tgt Ion:264 Resp: 585878
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.7 28.1
 265 21.4 17.4 26.2

