

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
 Data File : BF141040.D
 Acq On : 30 Dec 2024 19:25
 Operator : RC/JU
 Sample : P5386-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MOO-24-00395-96

Quant Time: Dec 31 00:15:43 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)

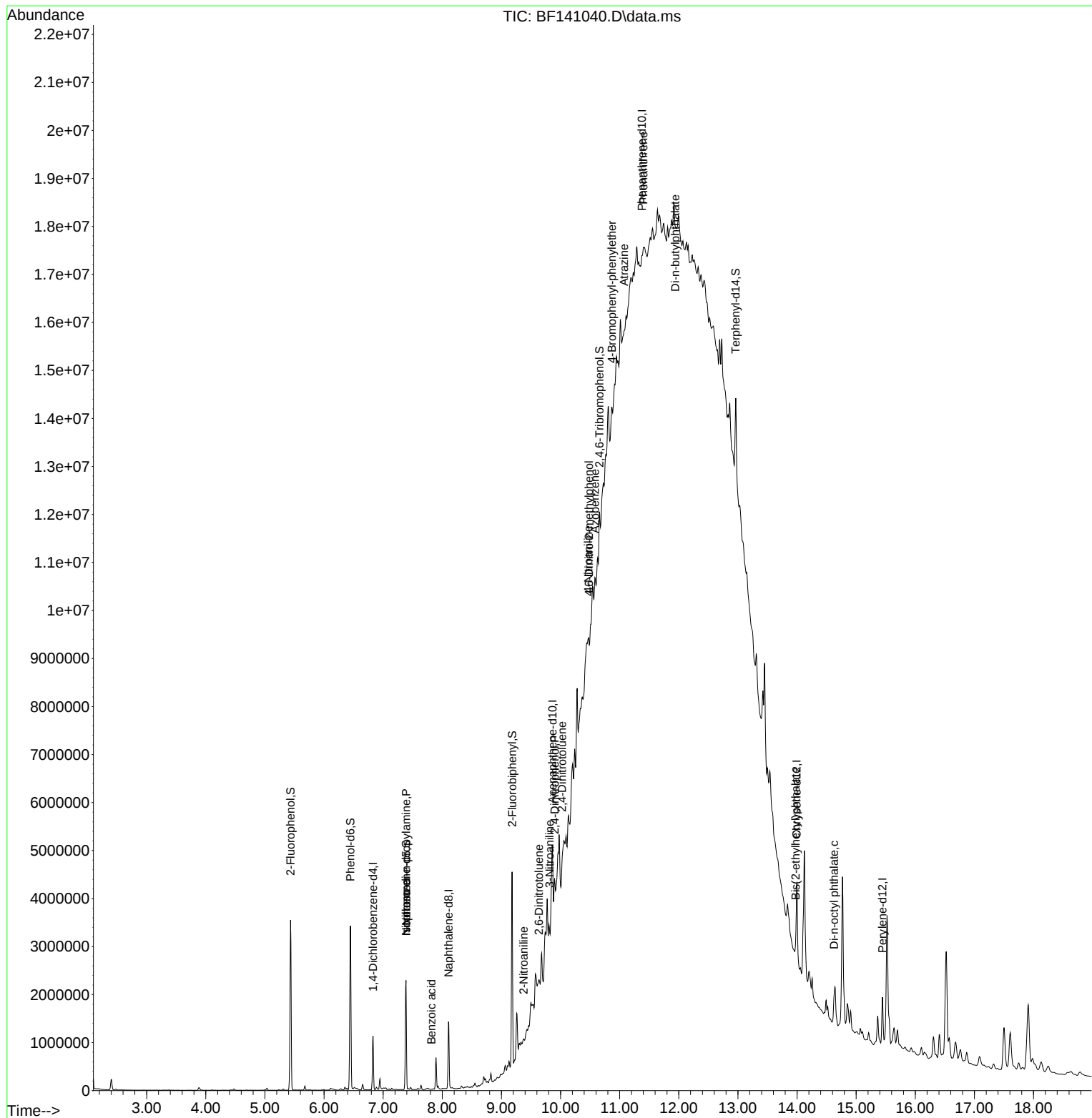
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	230301	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	863346	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	360782	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	308248	20.000	ng	# 0.03
76) Chrysene-d12	13.992	240	487222	20.000	ng	0.00
86) Perylene-d12	15.445	264	579490	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1345626	88.075	ng	0.00
7) Phenol-d6	6.446	99	1712137	86.991	ng	0.00
23) Nitrobenzene-d5	7.387	82	1010280	74.866	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	304794	86.941	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1699067	75.032	ng	0.00
79) Terphenyl-d14	12.963	244	1308366	44.604	ng	0.03
Target Compounds						Qvalue
9) Benzaldehyde	6.351	77	4073	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.387	70	135886	11.270	ng	# 78
25) Isophorone	7.387	82	1004278	34.200	ng	# 65
32) Benzoic acid	7.816	122	227	7.714	ng	# 4
48) 2-Nitroaniline	9.375	65	1666	4.912	ng	# 78
51) 2,6-Dinitrotoluene	9.634	165	11516	5.853	ng	# 33
53) 3-Nitroaniline	9.816	138	9508	4.949	ng	# 26
54) 2,4-Dinitrophenol	9.898	184	371	6.472	ng	# 1
57) 2,4-Dinitrotoluene	10.028	165	11132	6.203	ng	# 41
62) 4-Nitroaniline	10.469	138	9842	5.087	ng	# 13
63) Azobenzene	10.581	77	111545	4.536	ng	# 27
65) 4,6-Dinitro-2-methylph...	10.481	198	3369	11.551	ng	# 1
67) 4-Bromophenyl-phenylether	10.869	248	26554	7.969	ng	# 1
69) Atrazine	11.075	200	17224	6.352	ng	# 1
71) Phenanthrene	11.398	178	53712	3.311	ng	# 1
74) Di-n-butylphthalate	11.939	149	57680	3.318	ng	# 25
84) Bis(2-ethylhexyl)phtha...	13.974	149	70781	3.507	ng	# 89
85) Di-n-octyl phthalate	14.627	149	66416	2.274	ng	# 1

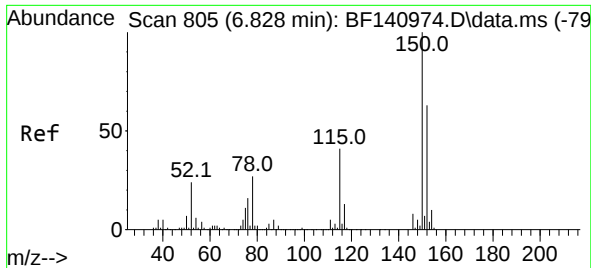
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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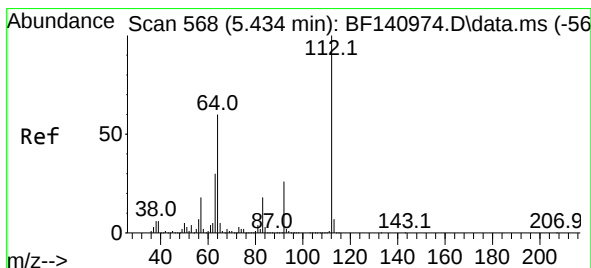
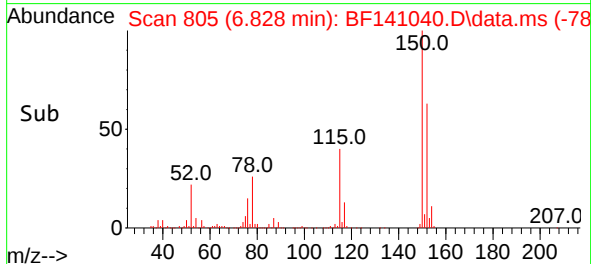
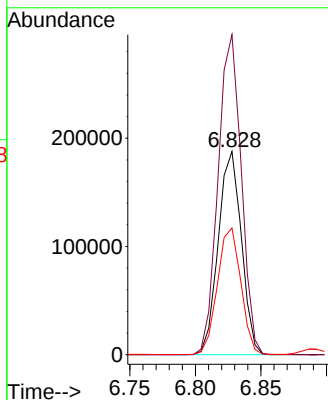
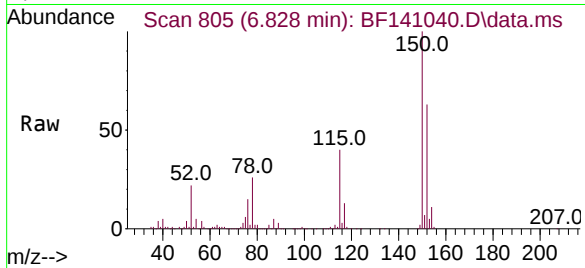




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.828 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF141040.D
 Acq: 30 Dec 2024 19:25

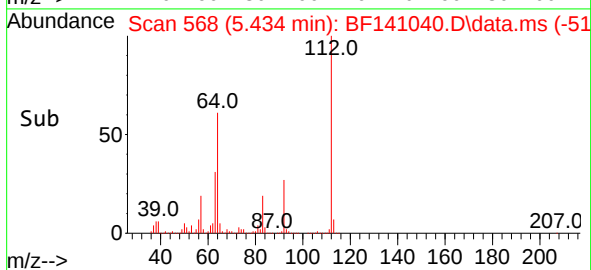
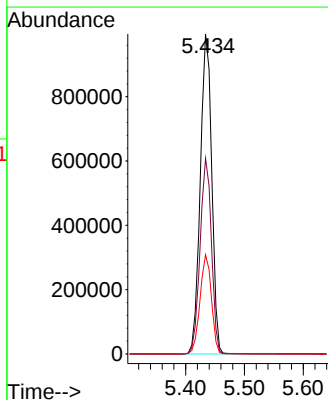
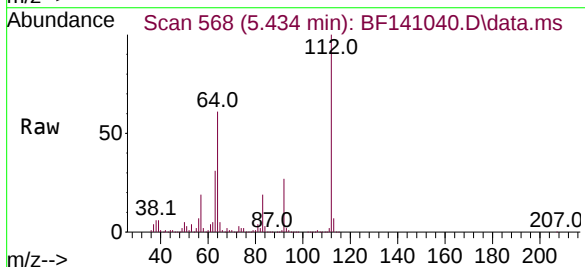
Instrument :
 BNA_F
 ClientSampleId :
 MOO-24-00395-96

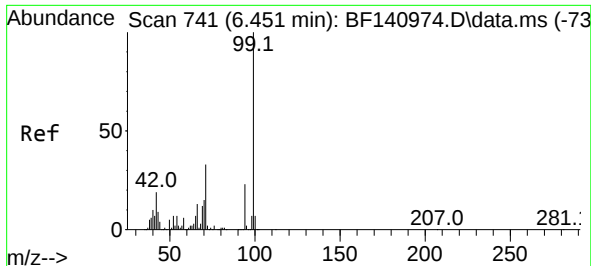
Tgt Ion:152 Resp: 230301
 Ion Ratio Lower Upper
 152 100
 150 157.5 127.0 190.6
 115 62.3 51.7 77.5



#5
 2-Fluorophenol
 Concen: 88.075 ng
 RT: 5.434 min Scan# 568
 Delta R.T. 0.000 min
 Lab File: BF141040.D
 Acq: 30 Dec 2024 19:25

Tgt Ion:112 Resp: 1345626
 Ion Ratio Lower Upper
 112 100
 64 61.2 47.7 71.5
 63 31.0 24.2 36.2

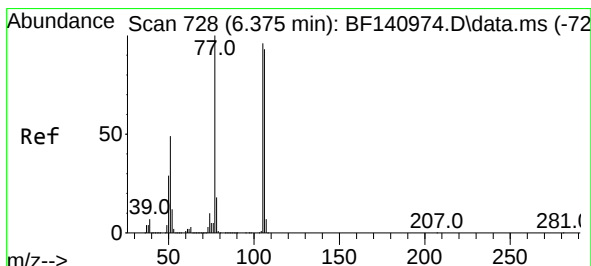
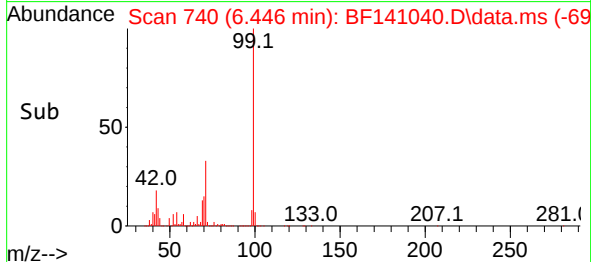
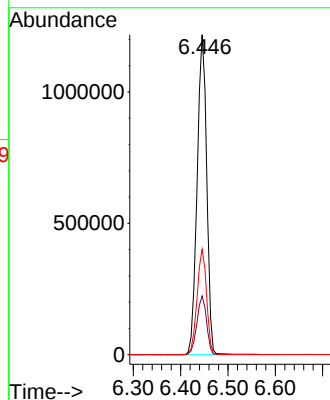
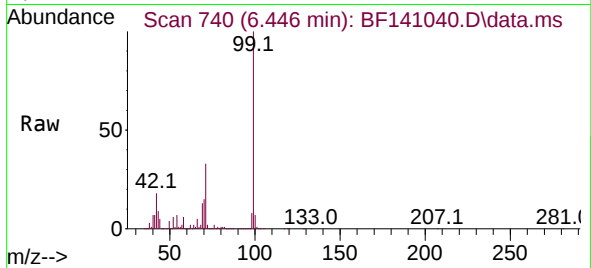




#7
Phenol-d6
Concen: 86.991 ng
RT: 6.446 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF141040.D
Acq: 30 Dec 2024 19:25

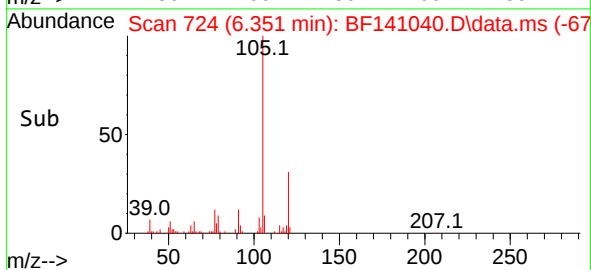
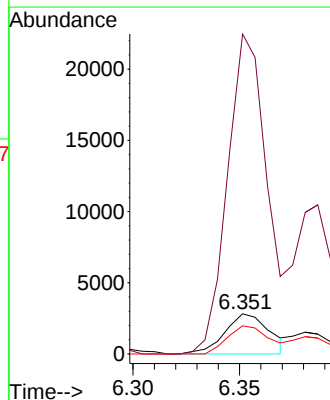
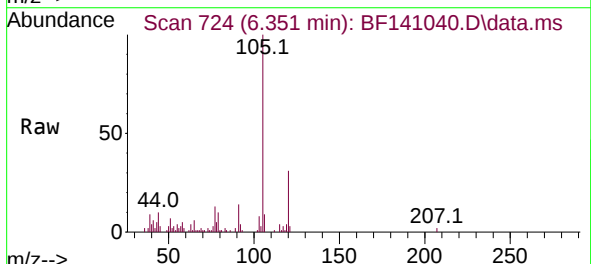
Instrument :
BNA_F
ClientSampleId :
MOO-24-00395-96

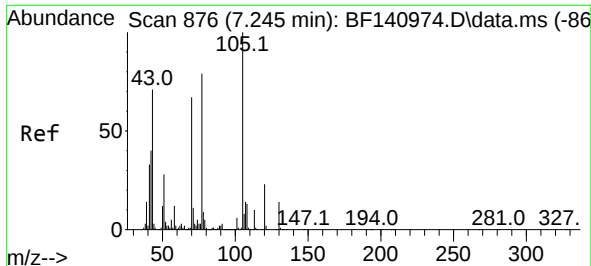
Tgt Ion: 99 Resp: 1712137
Ion Ratio Lower Upper
99 100
42 18.3 15.0 22.4
71 32.9 26.2 39.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.351 min Scan# 724
Delta R.T. -0.024 min
Lab File: BF141040.D
Acq: 30 Dec 2024 19:25

Tgt Ion: 77 Resp: 4073
Ion Ratio Lower Upper
77 100
105 797.2 76.2 116.2#
106 70.3 73.4 113.4#

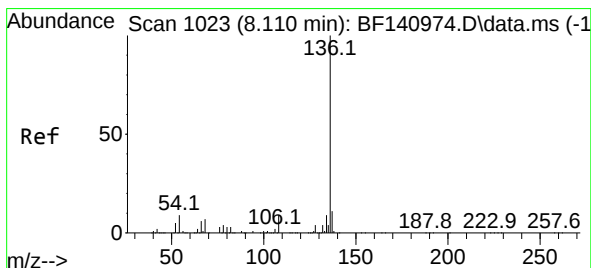
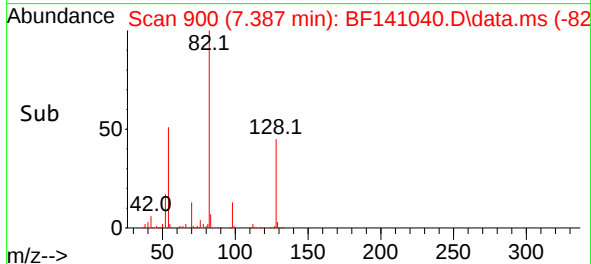
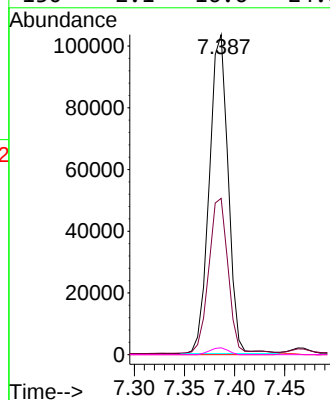
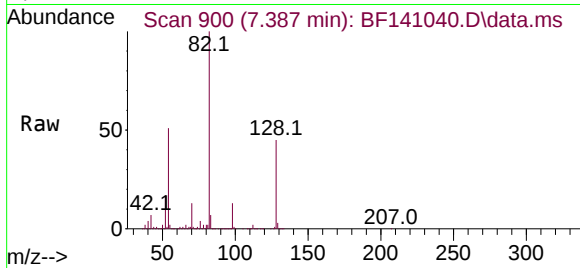




#19
n-Nitroso-di-n-propylamine
Concen: 11.270 ng
RT: 7.387 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF141040.D
Acq: 30 Dec 2024 19:25

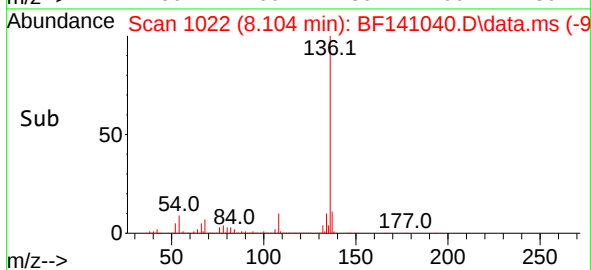
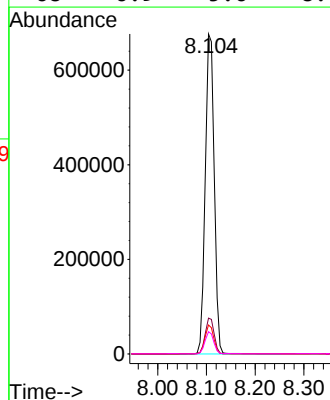
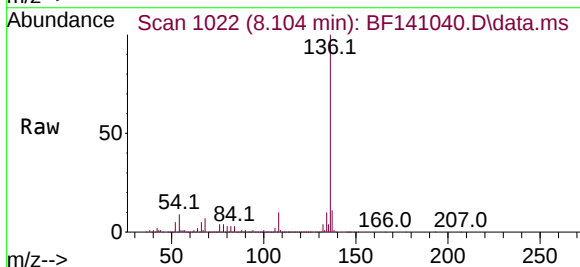
Instrument :
BNA_F
ClientSampleId :
MOO-24-00395-96

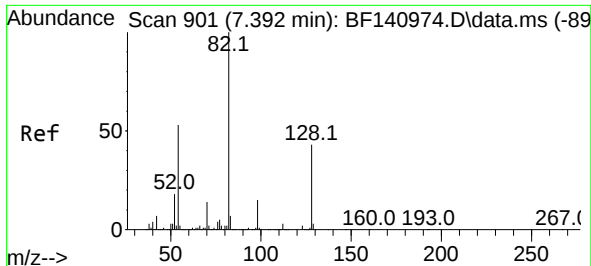
Tgt Ion: 70 Resp: 135886
Ion Ratio Lower Upper
70 100
42 48.8 48.1 72.1
101 0.0 7.6 11.4#
130 2.1 16.6 24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141040.D
Acq: 30 Dec 2024 19:25

Tgt Ion: 136 Resp: 863346
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 9.0 7.6 11.4
68 6.9 5.6 8.4





#23

Nitrobenzene-d5

Concen: 74.866 ng

RT: 7.387 min Scan# 900

Delta R.T. -0.006 min

Lab File: BF141040.D

Acq: 30 Dec 2024 19:25

Instrument :

BNA_F

ClientSampleId :

MOO-24-00395-96

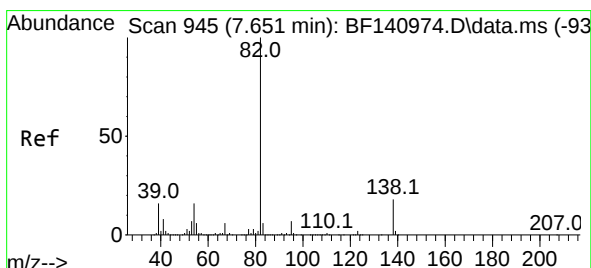
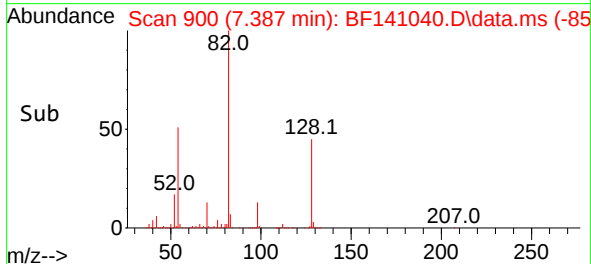
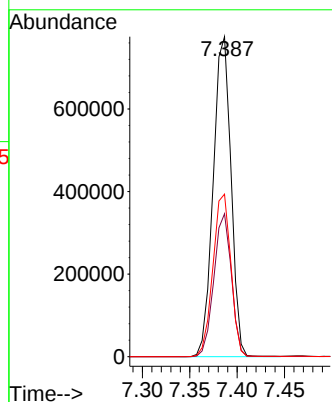
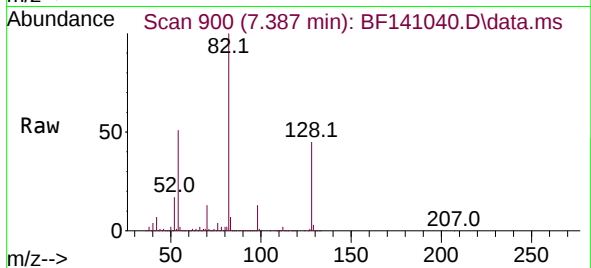
Tgt Ion: 82 Resp: 1010280

Ion Ratio Lower Upper

82 100

128 44.7 34.4 51.6

54 50.8 42.4 63.6



#25

Isophorone

Concen: 34.200 ng

RT: 7.387 min Scan# 900

Delta R.T. -0.265 min

Lab File: BF141040.D

Acq: 30 Dec 2024 19:25

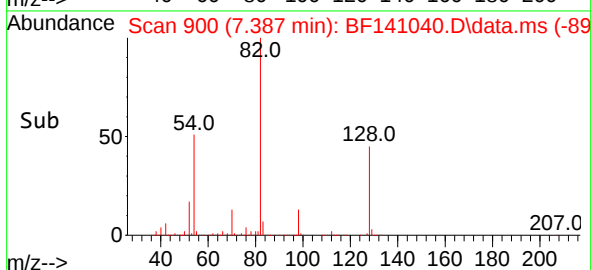
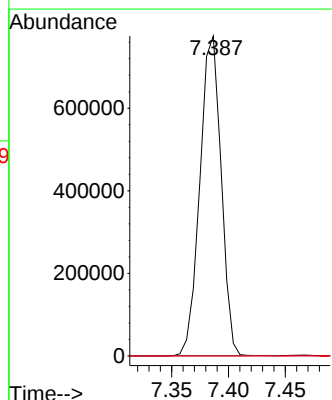
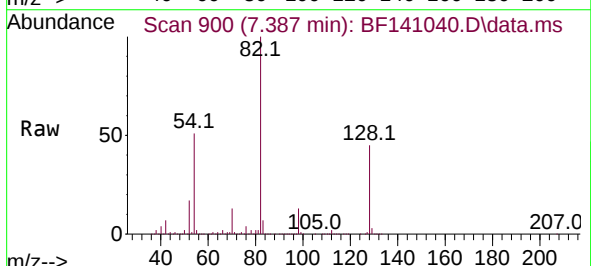
Tgt Ion: 82 Resp: 1004278

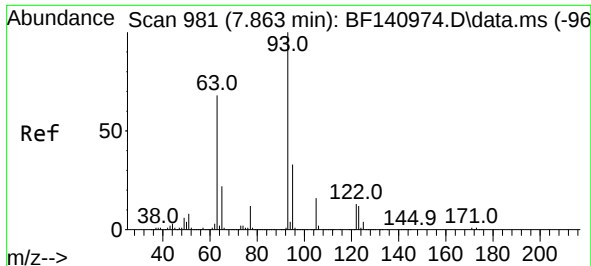
Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

138 0.0 14.6 21.8#

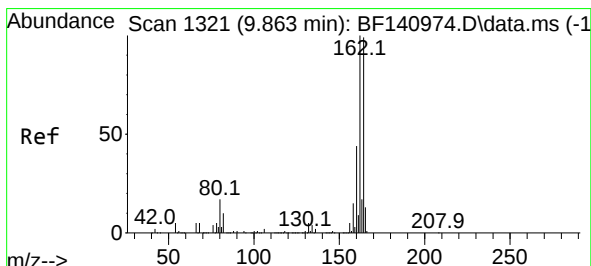
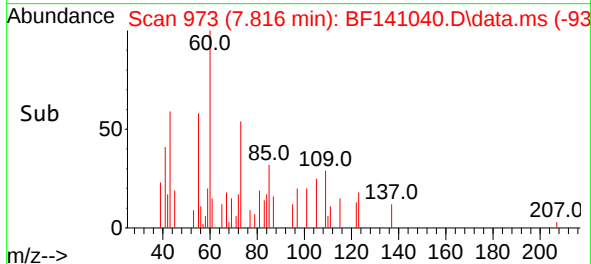
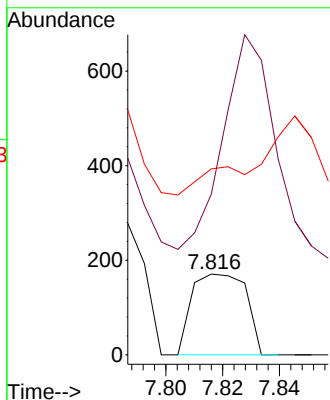
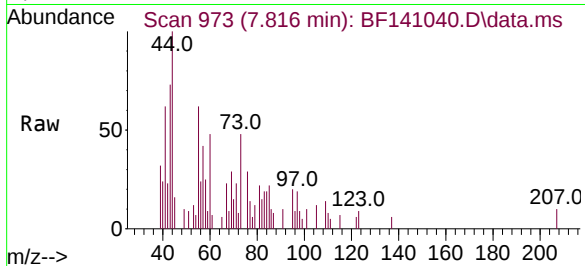




#32
Benzoic acid
Concen: 7.714 ng
RT: 7.816 min Scan# 91
Delta R.T. -0.047 min
Lab File: BF141040.D
Acq: 30 Dec 2024 19:25

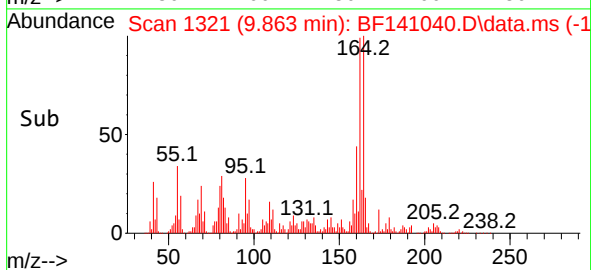
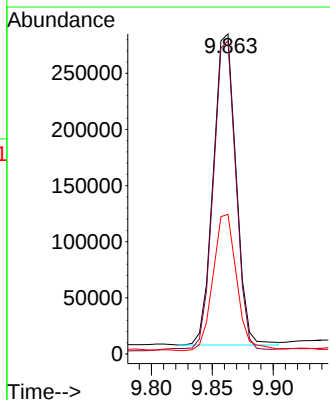
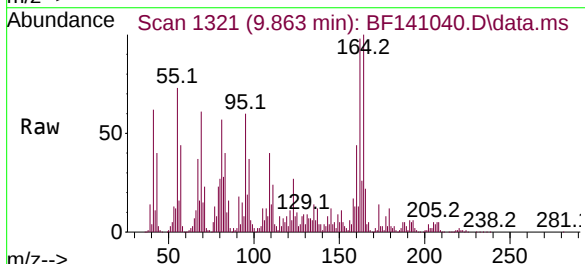
Instrument :
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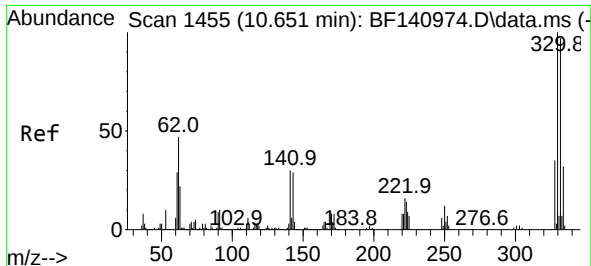
Tgt Ion:122 Resp: 227
Ion Ratio Lower Upper
122 100
105 198.8 105.4 145.4#
77 229.8 76.4 116.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF141040.D
Acq: 30 Dec 2024 19:25

Tgt Ion:164 Resp: 360782
Ion Ratio Lower Upper
164 100
162 97.8 80.6 120.8
160 43.6 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 86.941 ng

RT: 10.657 min Scan# 1455

Delta R.T. 0.006 min

Lab File: BF141040.D

Acq: 30 Dec 2024 19:25

Instrument :

BNA_F

ClientSampleId :

MOO-24-00395-96

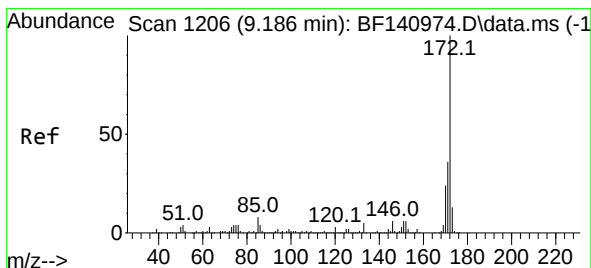
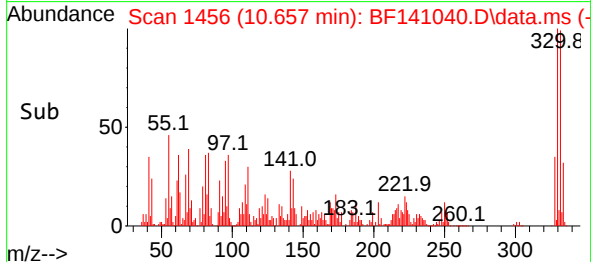
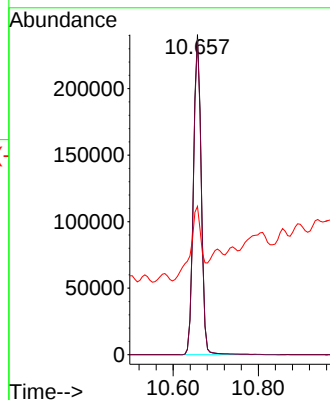
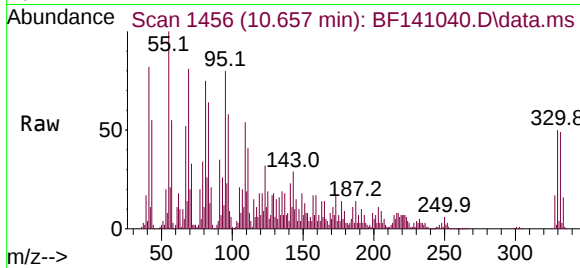
Tgt Ion:330 Resp: 304794

Ion Ratio Lower Upper

330 100

332 98.4 78.0 117.0

141 34.1 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 75.032 ng

RT: 9.181 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF141040.D

Acq: 30 Dec 2024 19:25

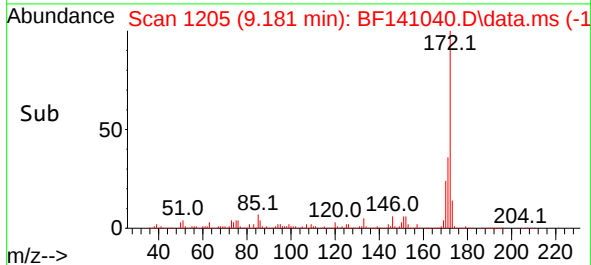
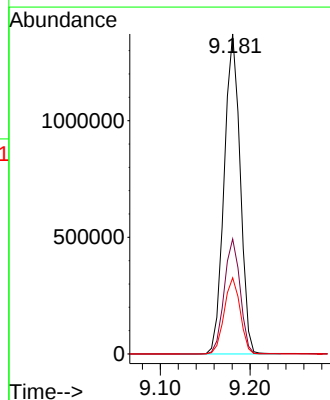
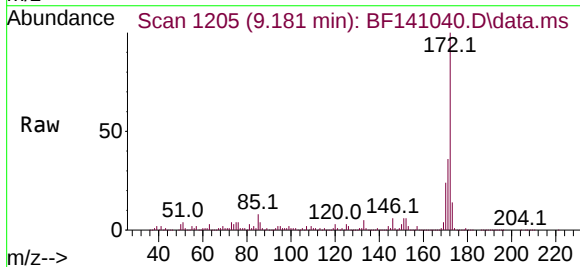
Tgt Ion:172 Resp: 1699067

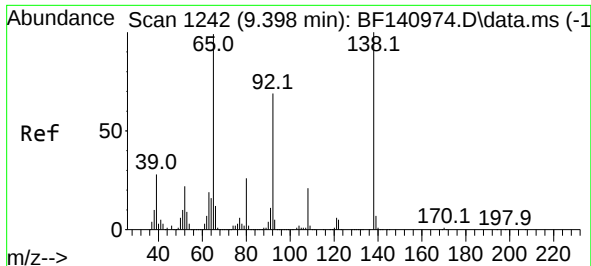
Ion Ratio Lower Upper

172 100

171 35.9 29.0 43.4

170 23.8 19.6 29.4





#48

2-Nitroaniline

Concen: 4.912 ng

RT: 9.375 min Scan# 1

Delta R.T. -0.023 min

Lab File: BF141040.D

Acq: 30 Dec 2024 19:25

Instrument :

BNA_F

ClientSampleId :

MOO-24-00395-96

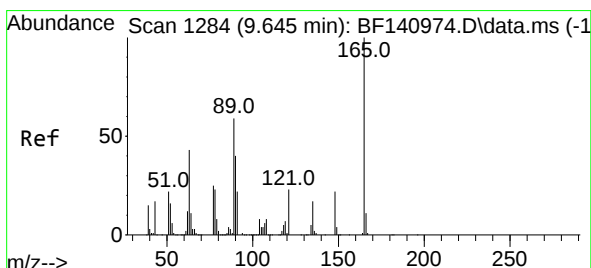
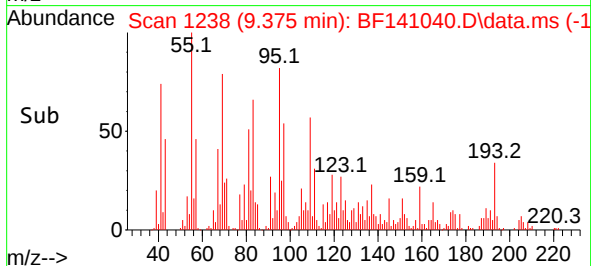
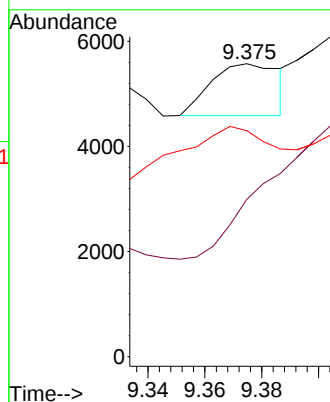
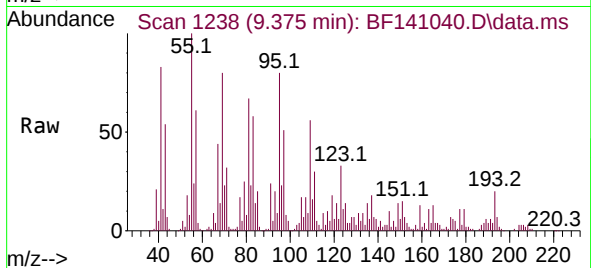
Tgt Ion: 65 Resp: 1666

Ion Ratio Lower Upper

65 100

92 53.7 55.6 83.4#

138 77.2 80.5 120.7#



#51

2,6-Dinitrotoluene

Concen: 5.853 ng

RT: 9.634 min Scan# 1282

Delta R.T. -0.011 min

Lab File: BF141040.D

Acq: 30 Dec 2024 19:25

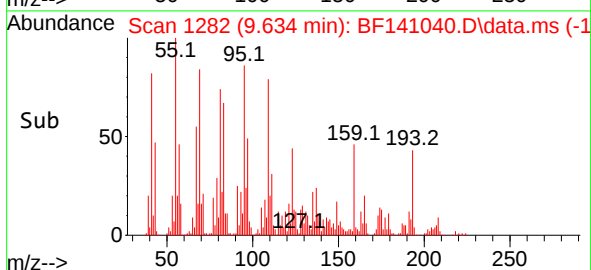
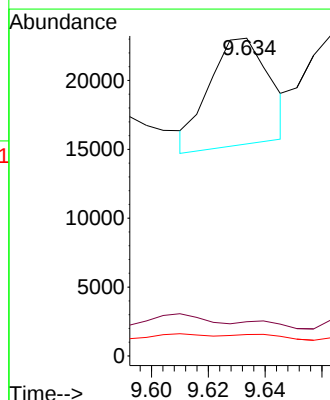
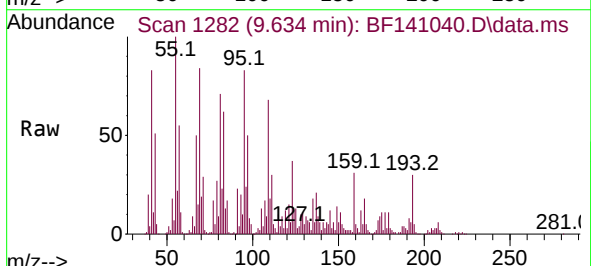
Tgt Ion: 165 Resp: 11516

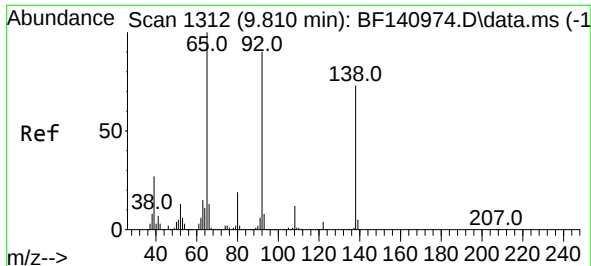
Ion Ratio Lower Upper

165 100

63 10.8 47.1 70.7#

89 6.8 47.0 70.4#

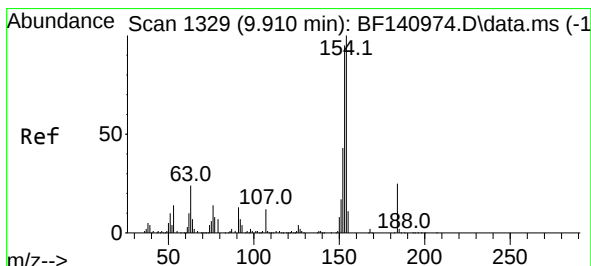
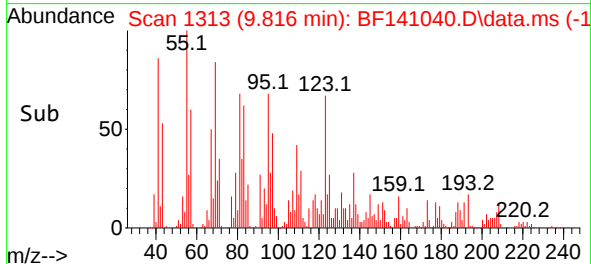
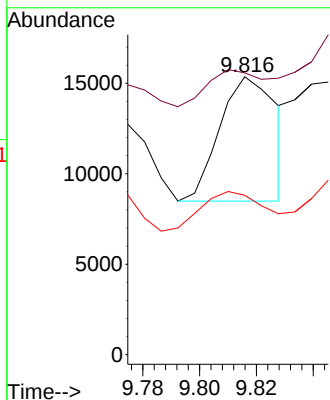
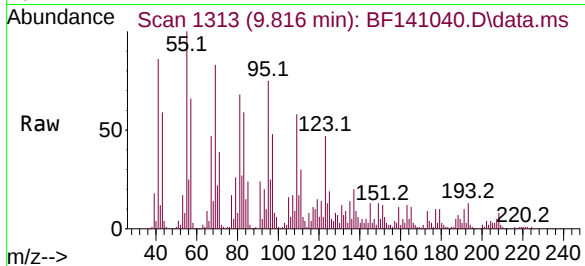




#53
3-Nitroaniline
Concen: 4.949 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141040.D
Acq: 30 Dec 2024 19:25

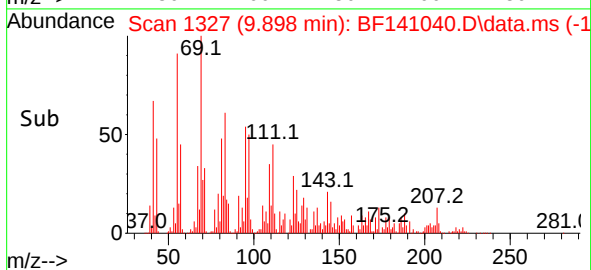
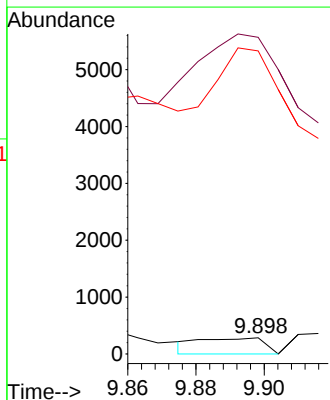
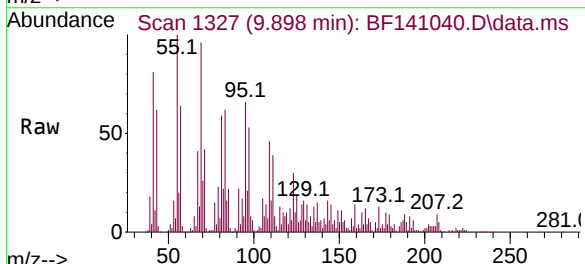
Instrument :
BNA_F
ClientSampleId :
MOO-24-00395-96

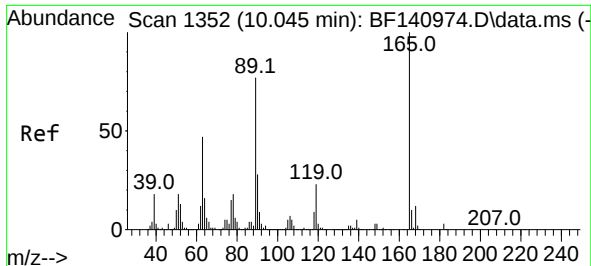
Tgt Ion:138 Resp: 9508
Ion Ratio Lower Upper
138 100
108 101.4 13.5 20.3#
92 57.3 97.7 146.5#



#54
2,4-Dinitrophenol
Concen: 6.472 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF141040.D
Acq: 30 Dec 2024 19:25

Tgt Ion:184 Resp: 371
Ion Ratio Lower Upper
184 100
63 1954.4 81.6 122.4#
154 1869.8 363.5 545.3#

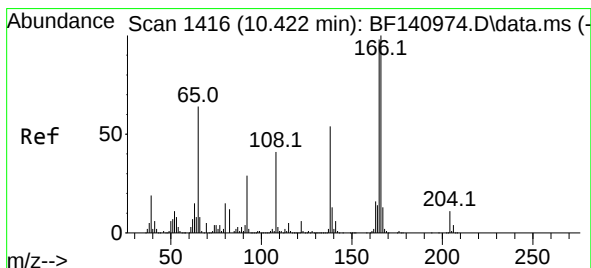
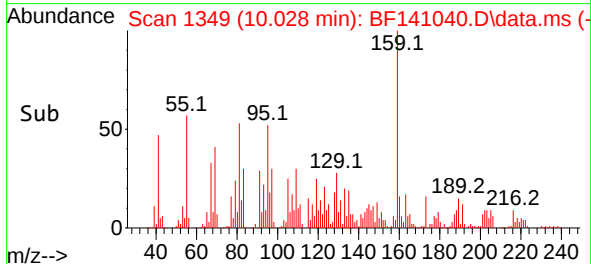
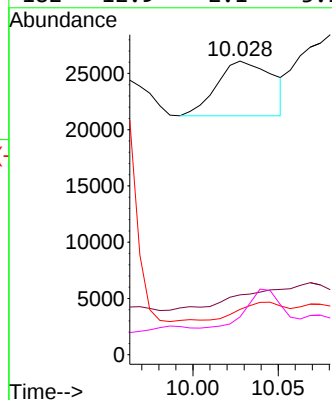
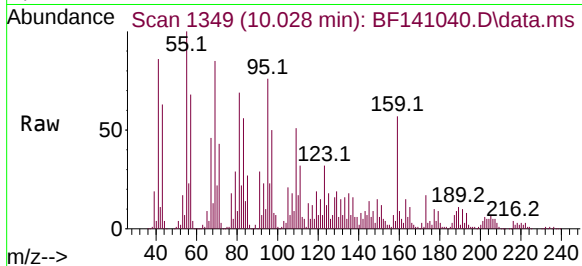




#57
2,4-Dinitrotoluene
Concen: 6.203 ng
RT: 10.028 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141040.D
Acq: 30 Dec 2024 19:25

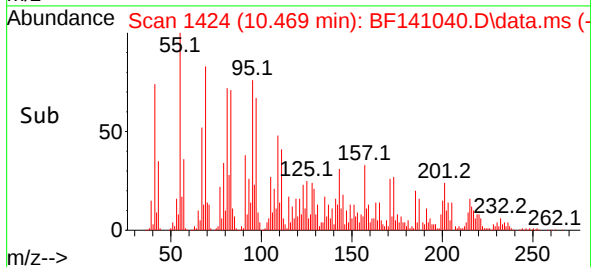
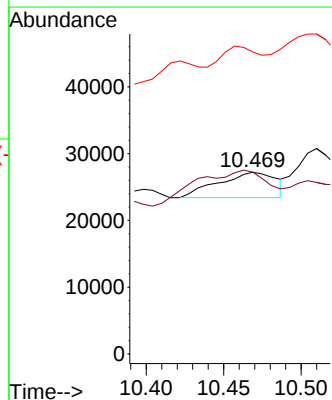
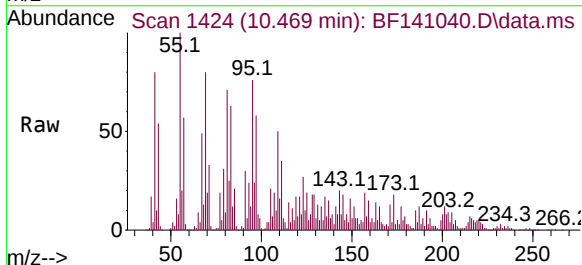
Instrument :
BNA_F
ClientSampleId :
MOO-24-00395-96

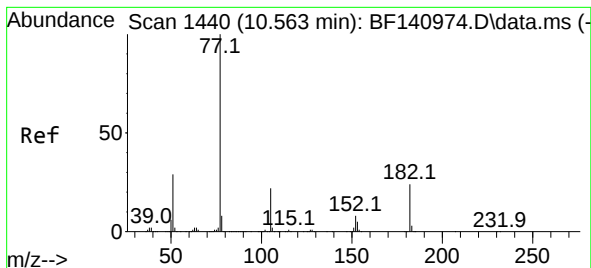
Tgt Ion:165 Resp: 11132
Ion Ratio Lower Upper
165 100
63 20.4 38.1 57.1#
89 15.4 61.4 92.2#
182 12.9 2.1 3.1#



#62
4-Nitroaniline
Concen: 5.087 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.047 min
Lab File: BF141040.D
Acq: 30 Dec 2024 19:25

Tgt Ion:138 Resp: 9842
Ion Ratio Lower Upper
138 100
92 100.0 34.8 74.8#
108 166.1 55.9 95.9#





#63

Azobenzene

Concen: 4.536 ng

RT: 10.581 min Scan# 1443

Delta R.T. 0.018 min

Lab File: BF141040.D

Acq: 30 Dec 2024 19:25

Instrument :

BNA_F

ClientSampleId :

MOO-24-00395-96

Tgt Ion: 77 Resp: 111545

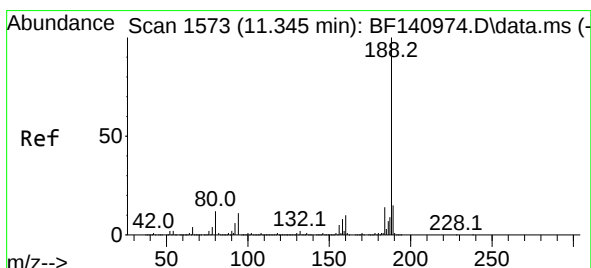
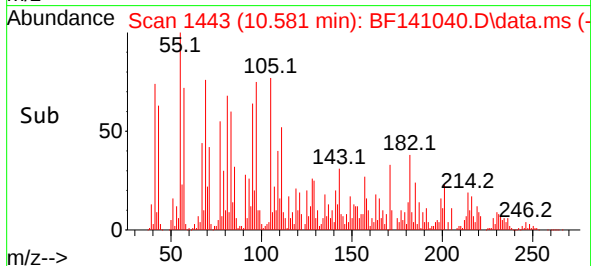
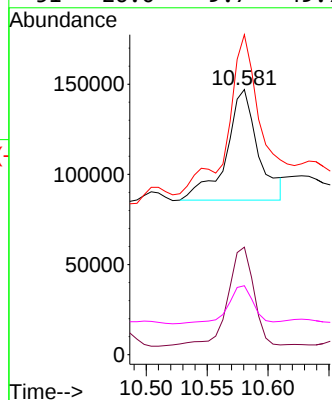
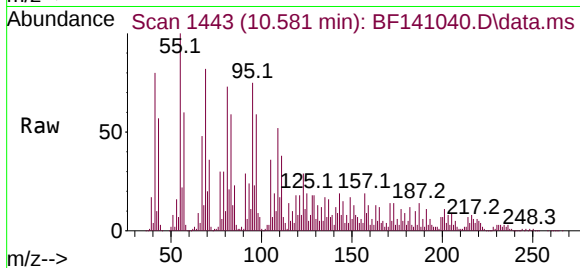
Ion Ratio Lower Upper

77 100

182 40.6 4.1 44.1

105 120.7 1.8 41.8#

51 26.0 9.7 49.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.375 min Scan# 1578

Delta R.T. 0.029 min

Lab File: BF141040.D

Acq: 30 Dec 2024 19:25

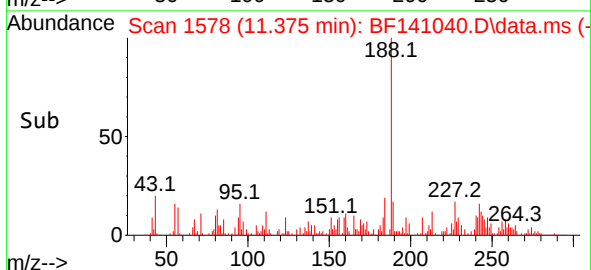
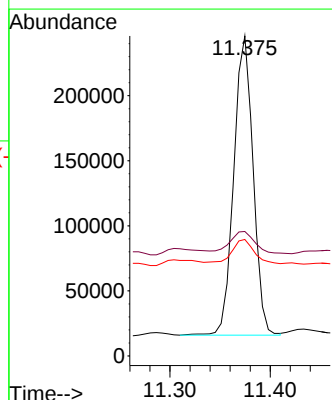
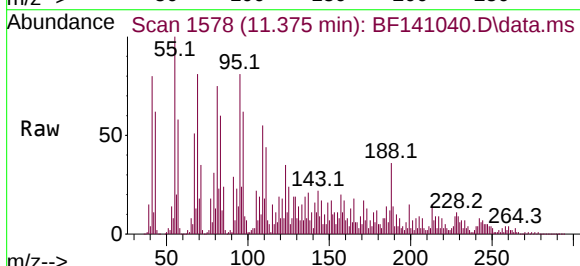
Tgt Ion: 188 Resp: 308248

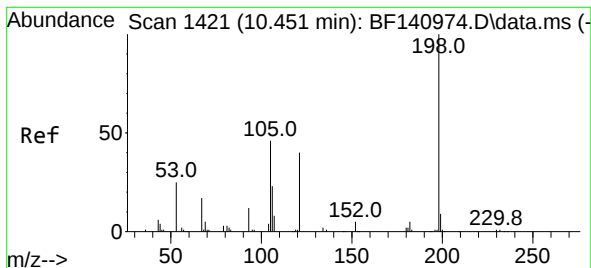
Ion Ratio Lower Upper

188 100

94 38.9 9.0 13.6#

80 36.4 9.8 14.6#

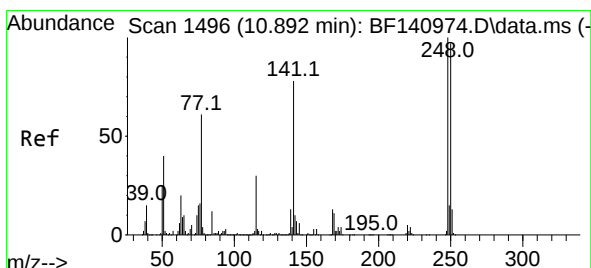
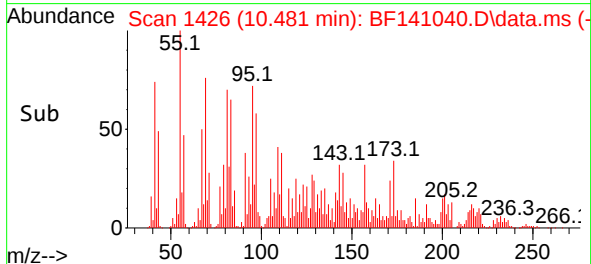
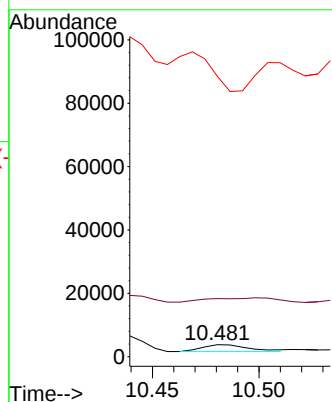
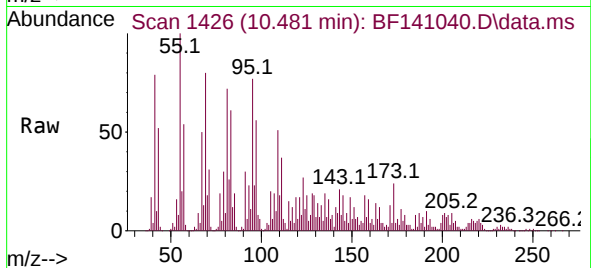




#65
4,6-Dinitro-2-methylphenol
Concen: 11.551 ng
RT: 10.481 min Scan# 1426
Delta R.T. 0.030 min
Lab File: BF141040.D
Acq: 30 Dec 2024 19:25

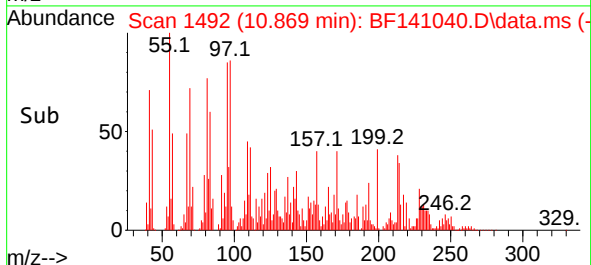
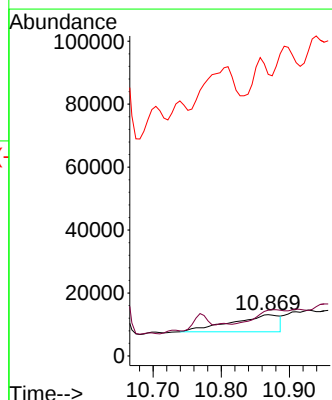
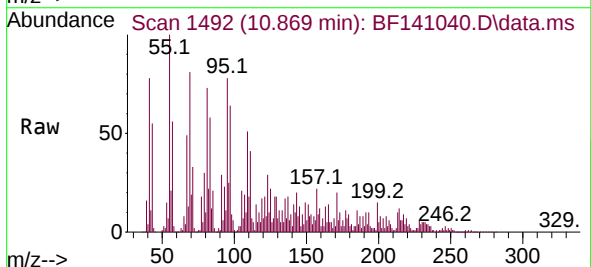
Instrument :
BNA_F
ClientSampleId :
MOO-24-00395-96

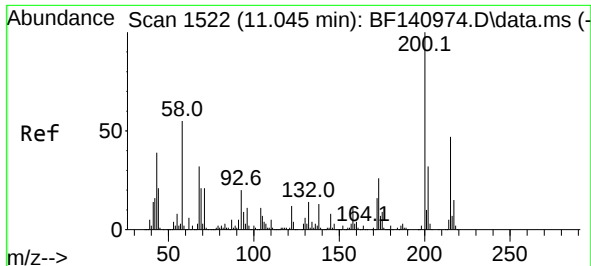
Tgt Ion:198 Resp: 3369
Ion Ratio Lower Upper
198 100
51 484.9 32.3 72.3#
105 2337.6 28.4 68.4#



#67
4-Bromophenyl-phenylether
Concen: 7.969 ng
RT: 10.869 min Scan# 1492
Delta R.T. -0.023 min
Lab File: BF141040.D
Acq: 30 Dec 2024 19:25

Tgt Ion:248 Resp: 26554
Ion Ratio Lower Upper
248 100
250 111.1 77.7 116.5
141 682.8 62.1 93.1#

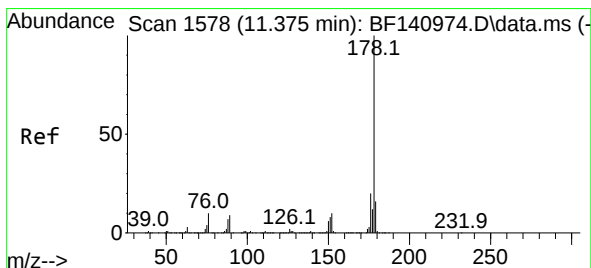
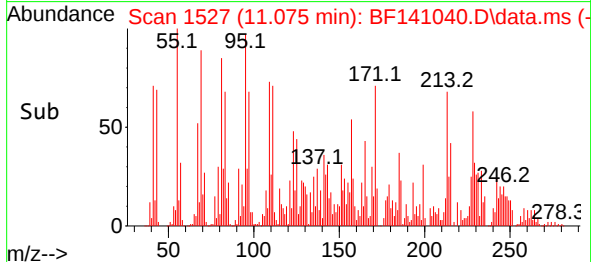
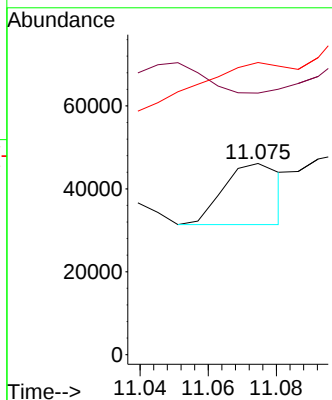
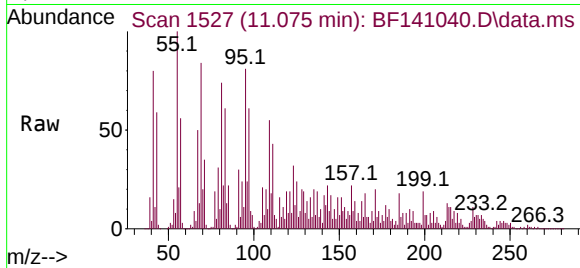




#69
Atrazine
Concen: 6.352 ng
RT: 11.075 min Scan# 11
Delta R.T. 0.030 min
Lab File: BF141040.D
Acq: 30 Dec 2024 19:25

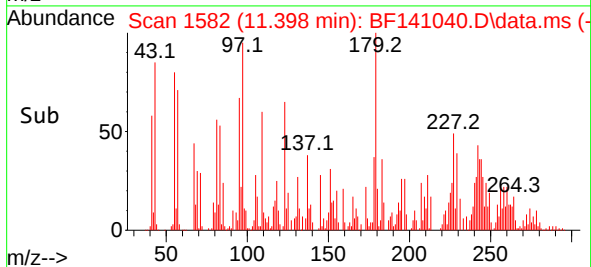
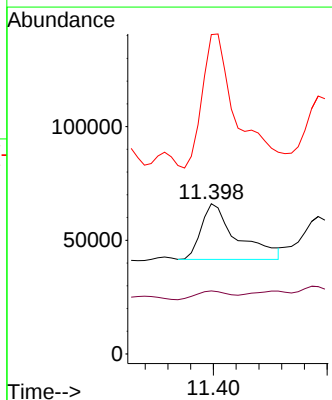
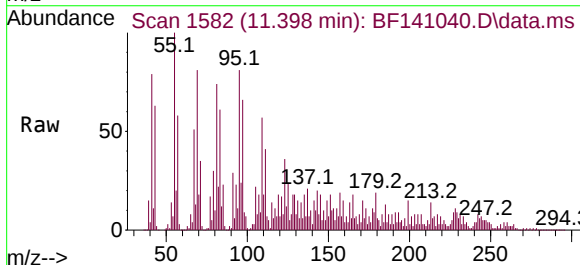
Instrument :
BNA_F
ClientSampleId :
MOO-24-00395-96

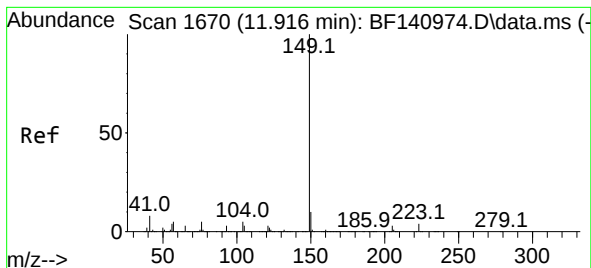
Tgt Ion:200 Resp: 17224
Ion Ratio Lower Upper
200 100
173 136.7 6.4 46.4#
215 152.8 27.2 67.2#



#71
Phenanthrene
Concen: 3.311 ng
RT: 11.398 min Scan# 1582
Delta R.T. 0.024 min
Lab File: BF141040.D
Acq: 30 Dec 2024 19:25

Tgt Ion:178 Resp: 53712
Ion Ratio Lower Upper
178 100
176 42.0 15.8 23.6#
179 212.6 12.6 19.0#





#74

Di-n-butylphthalate

Concen: 3.318 ng

RT: 11.939 min Scan# 1

Delta R.T. 0.024 min

Lab File: BF141040.D

Acq: 30 Dec 2024 19:25

Instrument :

BNA_F

ClientSampleId :

MOO-24-00395-96

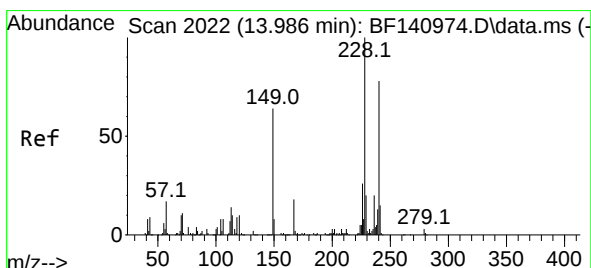
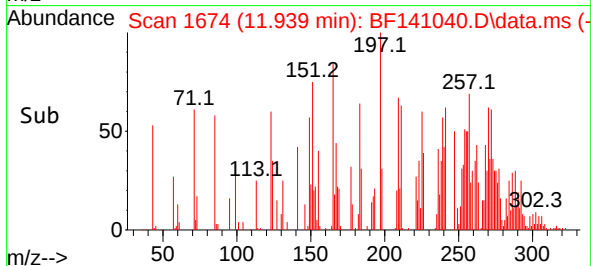
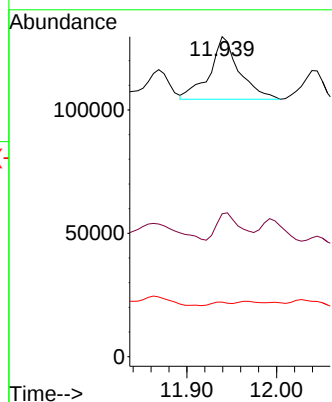
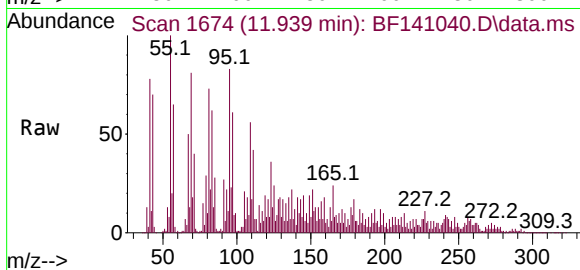
Tgt Ion:149 Resp: 57680

Ion Ratio Lower Upper

149 100

150 44.6 7.7 11.5#

104 17.0 4.1 6.1#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.992 min Scan# 2023

Delta R.T. 0.006 min

Lab File: BF141040.D

Acq: 30 Dec 2024 19:25

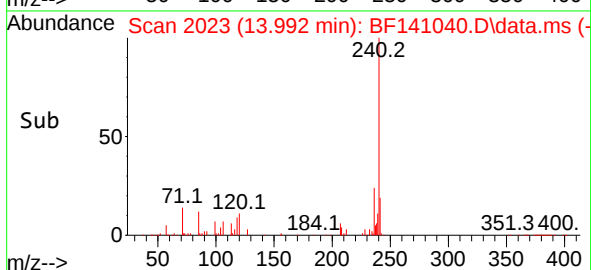
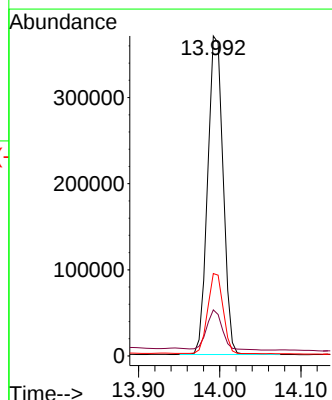
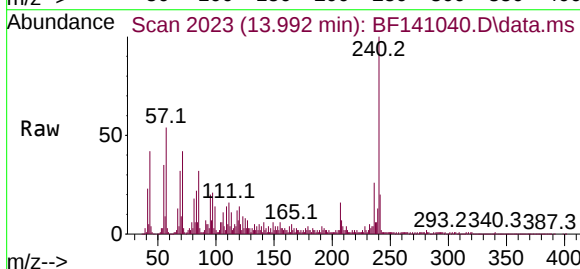
Tgt Ion:240 Resp: 487222

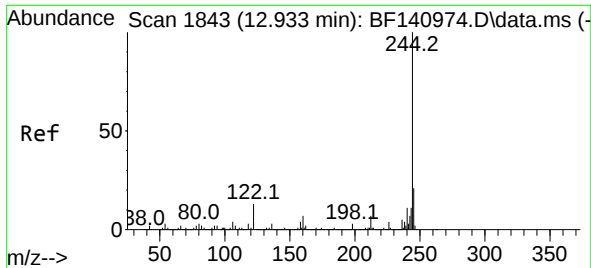
Ion Ratio Lower Upper

240 100

120 14.4 10.7 16.1

236 25.8 20.6 31.0

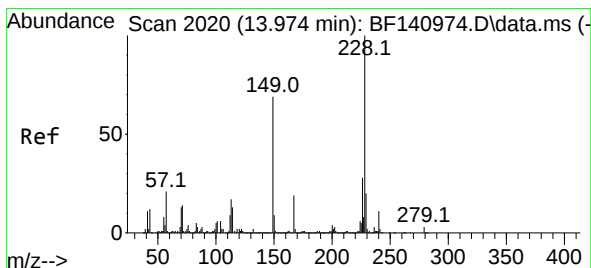
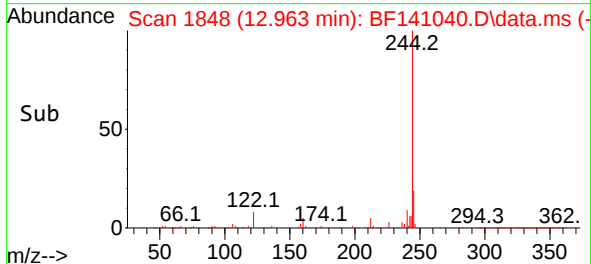
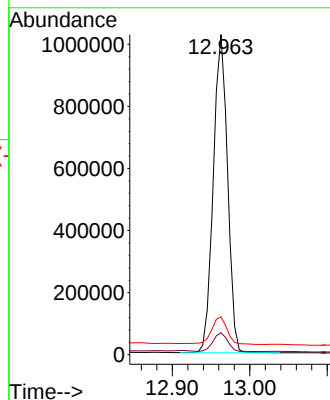
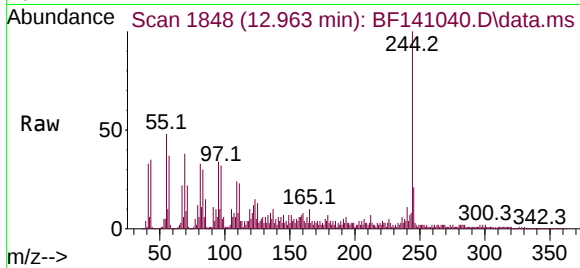




#79
 Terphenyl-d14
 Concen: 44.604 ng
 RT: 12.963 min Scan# 1843
 Delta R.T. 0.029 min
 Lab File: BF141040.D
 Acq: 30 Dec 2024 19:25

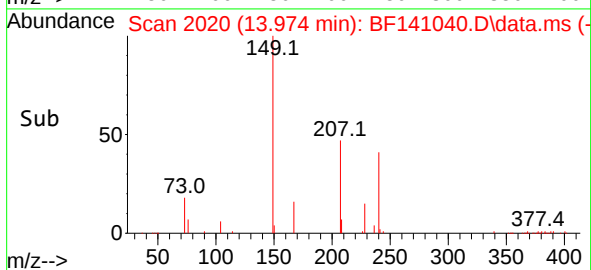
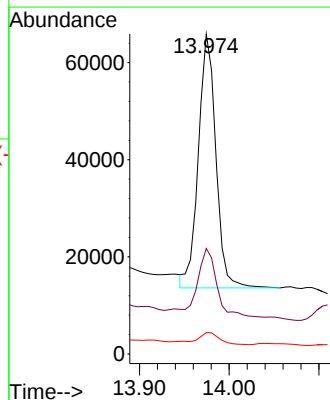
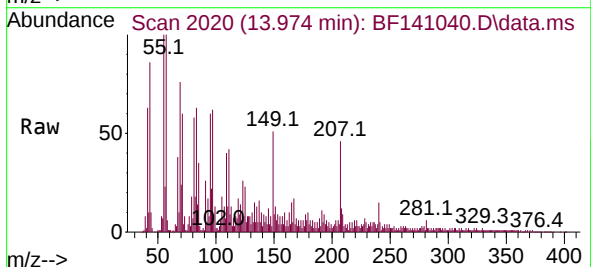
Instrument :
 BNA_F
 ClientSampleId :
 MOO-24-00395-96

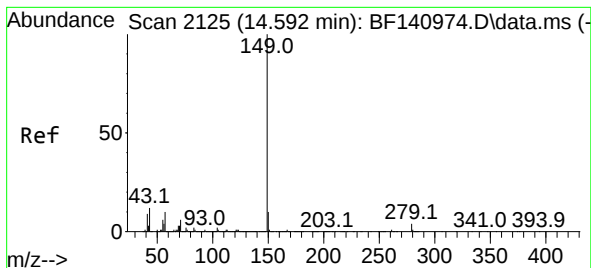
Tgt Ion:244 Resp: 1308366
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.7 8.5
 122 11.8 10.2 15.2



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.507 ng
 RT: 13.974 min Scan# 2020
 Delta R.T. 0.000 min
 Lab File: BF141040.D
 Acq: 30 Dec 2024 19:25

Tgt Ion:149 Resp: 70781
 Ion Ratio Lower Upper
 149 100
 167 33.0 21.6 32.4#
 279 6.6 3.2 4.8#





#85

Di-n-octyl phthalate

Concen: 2.274 ng

RT: 14.627 min Scan# 21

Delta R.T. 0.035 min

Lab File: BF141040.D

Acq: 30 Dec 2024 19:25

Instrument :

BNA_F

ClientSampleId :

MOO-24-00395-96

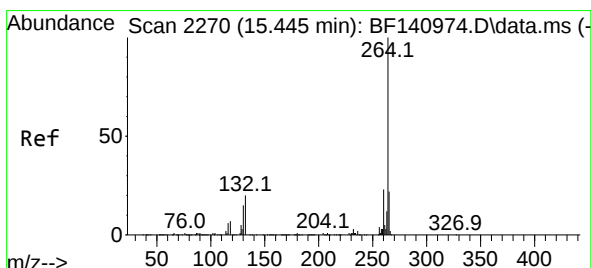
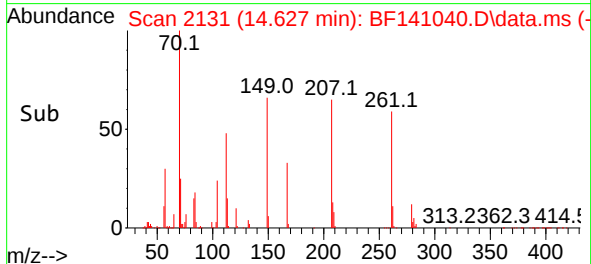
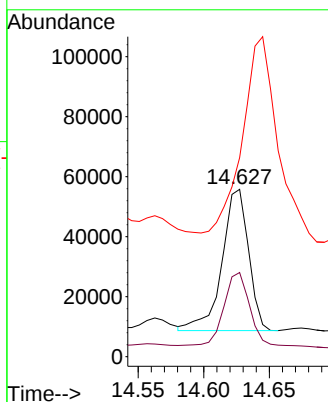
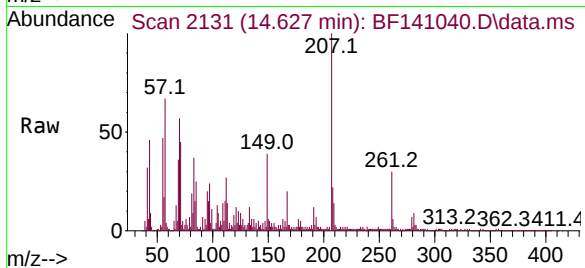
Tgt Ion:149 Resp: 66416

Ion Ratio Lower Upper

149 100

167 55.6 1.2 1.8#

43 199.7 9.3 13.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF141040.D

Acq: 30 Dec 2024 19:25

Tgt Ion:264 Resp: 579490

Ion Ratio Lower Upper

264 100

260 23.1 18.7 28.1

265 22.5 17.4 26.2

