

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
 Data File : BF142264.D
 Acq On : 01 May 2025 17:00
 Operator : RC/JU
 Sample : Q1903-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-6

Quant Time: May 01 18:07:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 16:00:01 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

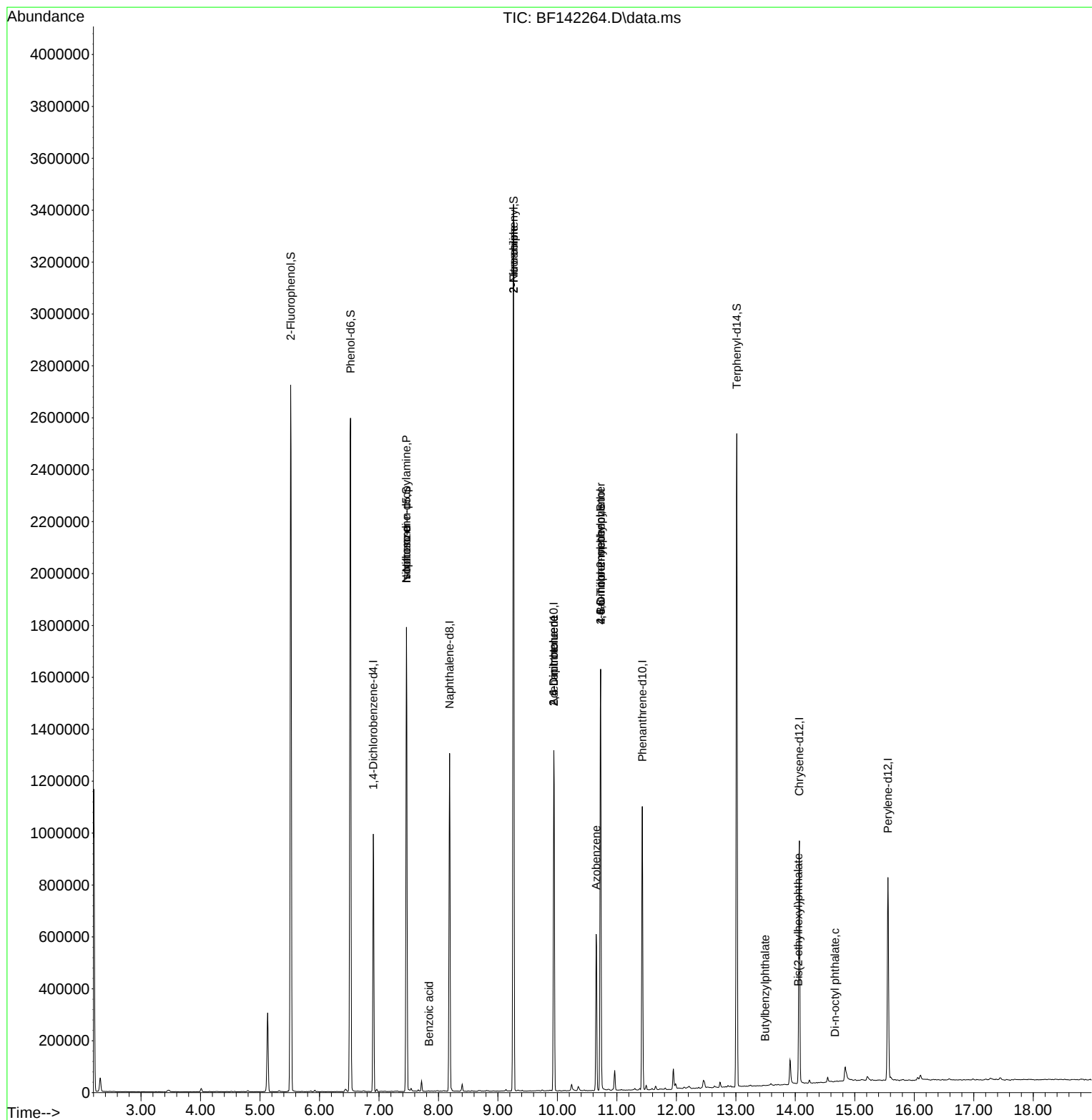
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	206274	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	784232	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	381114	20.000	ng	-0.01
64) Phenanthrene-d10	11.427	188	529947	20.000	ng	0.00
76) Chrysene-d12	14.068	240	453109	20.000	ng	0.00
86) Perylene-d12	15.557	264	437720	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1023038	79.208	ng	0.00
7) Phenol-d6	6.522	99	1244951	79.821	ng	0.00
23) Nitrobenzene-d5	7.463	82	719697	60.291	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	266029	76.569	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1502671	55.593	ng	0.00
79) Terphenyl-d14	13.016	244	1201650	38.571	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	97468	10.113	ng	# 81
25) Isophorone	7.463	82	719268	28.710	ng	# 64
32) Benzoic acid	7.839	122	60	10.816	ng	# 28
48) 2-Nitroaniline	9.263	65	2404	5.141	ng	# 1
51) 2,6-Dinitrotoluene	9.939	165	49326	13.688	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	49326	12.827	ng	# 23
63) Azobenzene	10.651	77	146322	6.154	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.727	198	557	10.860	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	16648	2.821	ng	# 1
80) Butylbenzylphthalate	13.492	149	400	3.749	ng	# 47
84) Bis(2-ethylhexyl)phtha...	14.051	149	12211	4.170	ng	98
85) Di-n-octyl phthalate	14.668	149	203	6.074	ng	# 73

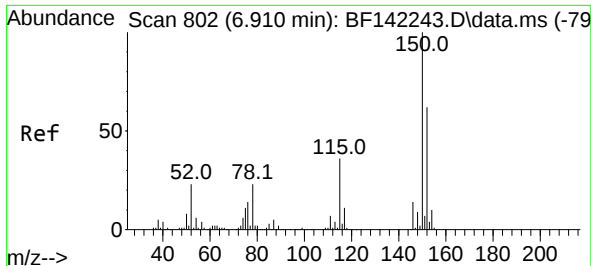
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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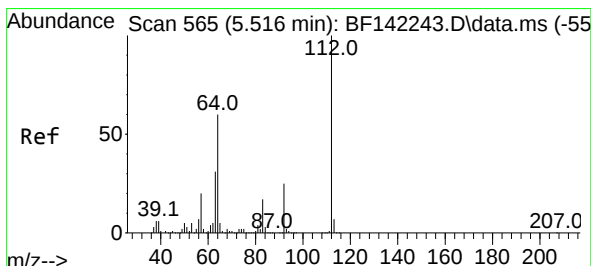
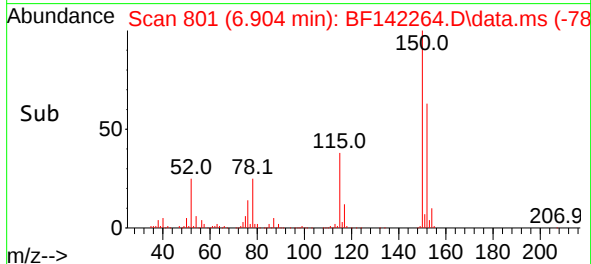
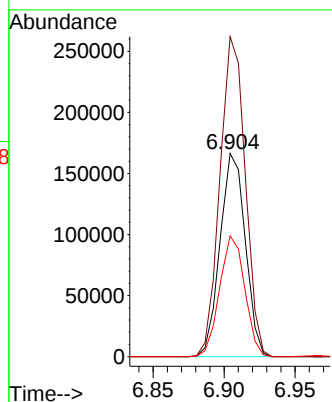
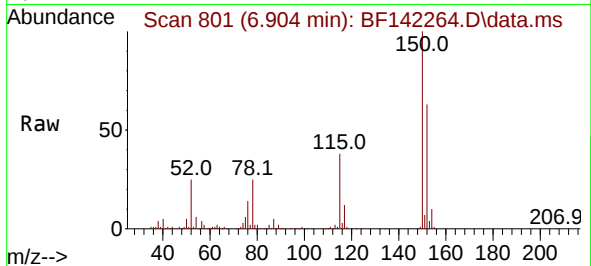




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142264.D
Acq: 01 May 2025 17:00

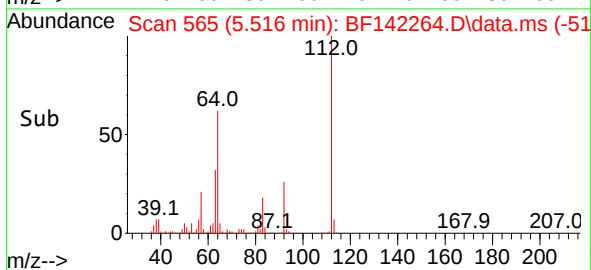
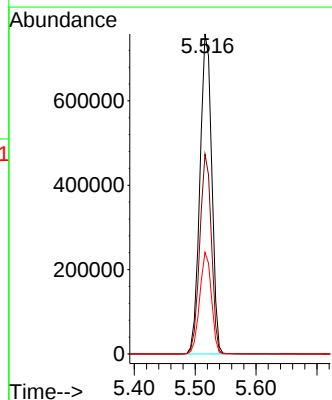
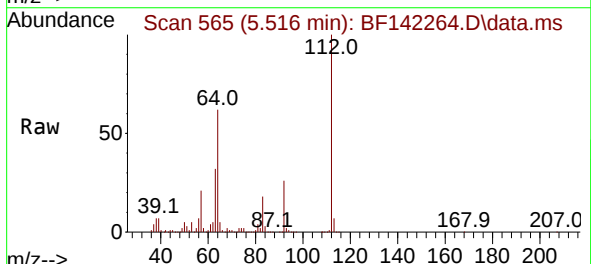
Instrument :
BNA_F
ClientSampleId :
COMP-6

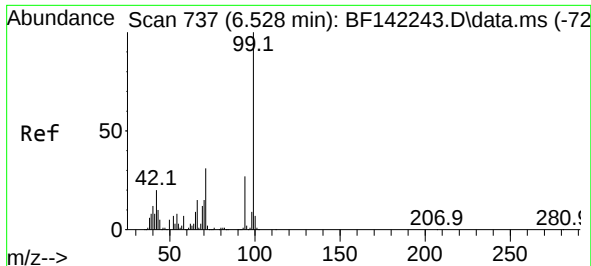
Tgt Ion:152 Resp: 206274
Ion Ratio Lower Upper
152 100
150 157.5 130.2 195.2
115 59.5 47.0 70.4



#5
2-Fluorophenol
Concen: 79.208 ng
RT: 5.516 min Scan# 565
Delta R.T. -0.000 min
Lab File: BF142264.D
Acq: 01 May 2025 17:00

Tgt Ion:112 Resp: 1023038
Ion Ratio Lower Upper
112 100
64 62.5 48.4 72.6
63 31.8 24.8 37.2

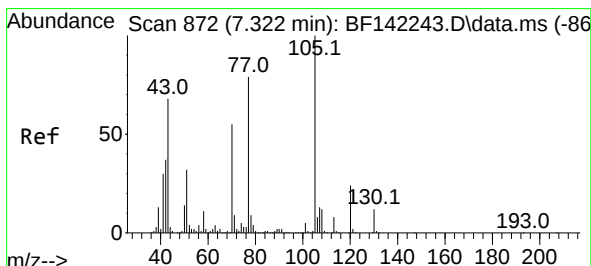
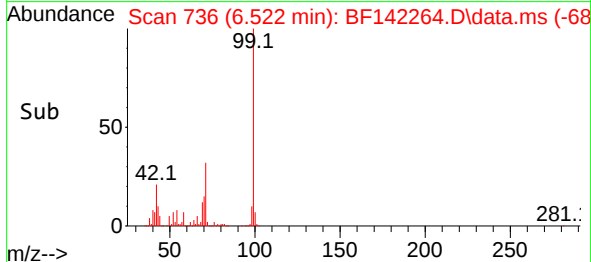
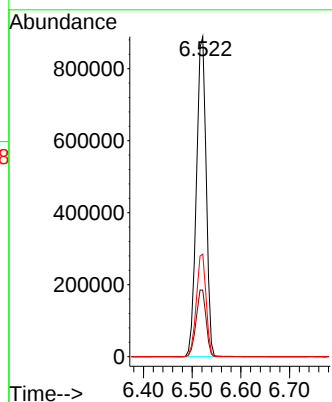
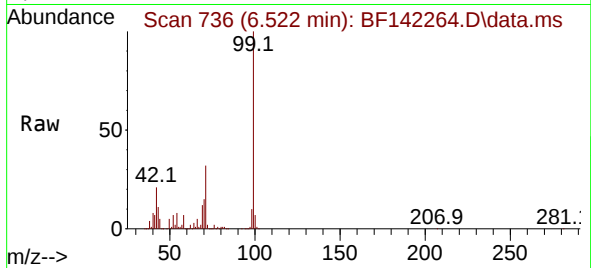




#7
Phenol-d6
Concen: 79.821 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142264.D
Acq: 01 May 2025 17:00

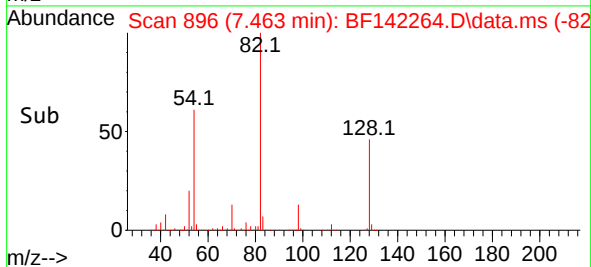
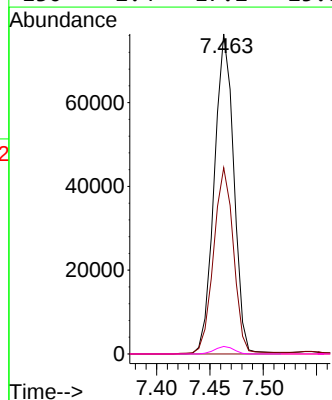
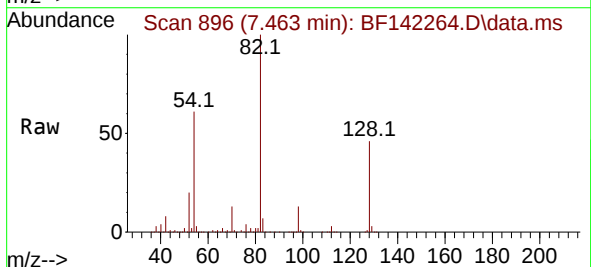
Instrument :
BNA_F
ClientSampleId :
COMP-6

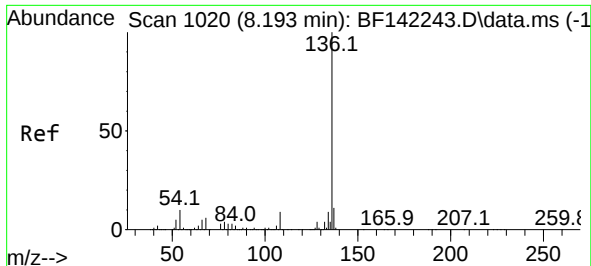
Tgt Ion: 99 Resp: 1244951
Ion Ratio Lower Upper
99 100
42 20.8 16.3 24.5
71 32.0 25.0 37.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.113 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.141 min
Lab File: BF142264.D
Acq: 01 May 2025 17:00

Tgt Ion: 70 Resp: 97468
Ion Ratio Lower Upper
70 100
42 58.2 53.4 80.2
101 0.0 7.7 11.5#
130 2.4 17.2 25.8#



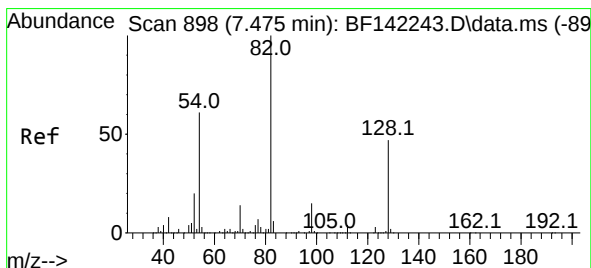
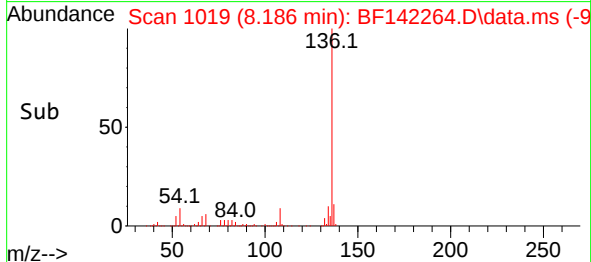
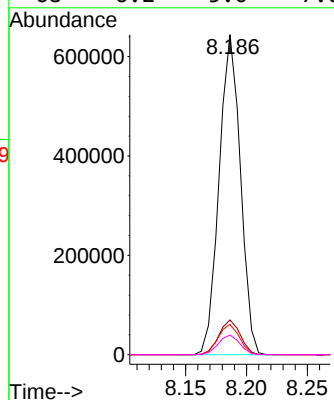
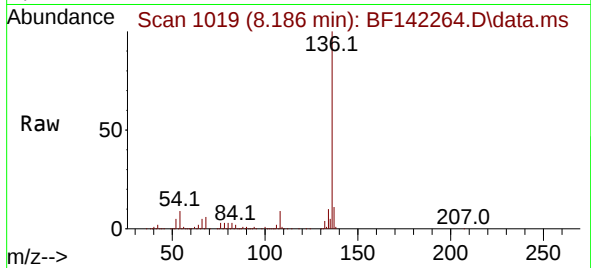


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.007 min
Lab File: BF142264.D
Acq: 01 May 2025 17:00

Instrument :
BNA_F
ClientSampleId :
COMP-6

Tgt Ion:136 Resp: 784232

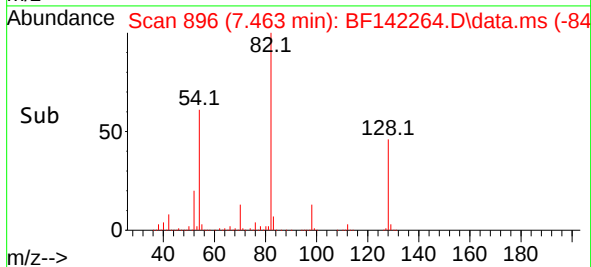
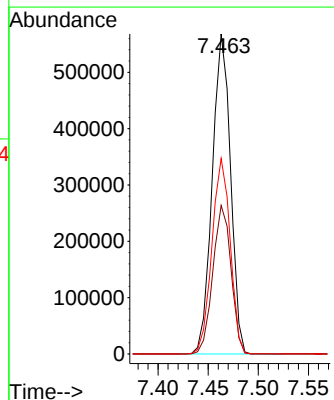
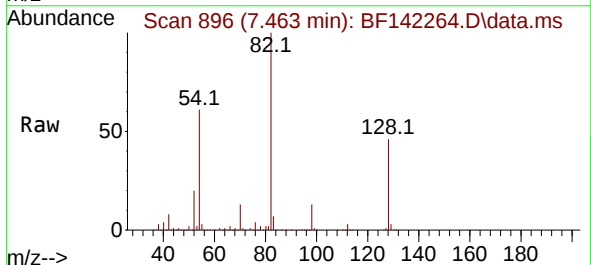
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	9.4	7.7	11.5
68	6.2	5.0	7.6

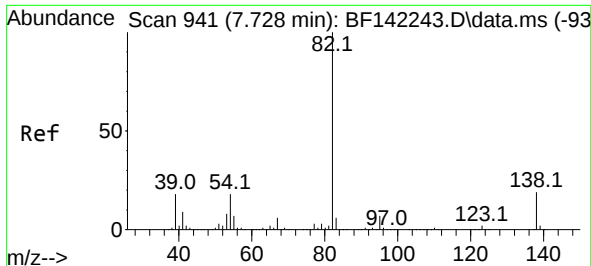


#23
Nitrobenzene-d5
Concen: 60.291 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF142264.D
Acq: 01 May 2025 17:00

Tgt Ion: 82 Resp: 719697

Ion	Ratio	Lower	Upper
82	100		
128	46.4	37.0	55.6
54	61.1	48.0	72.0

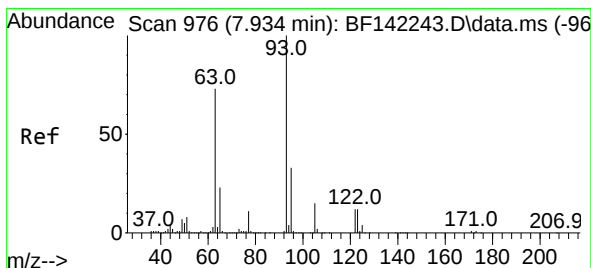
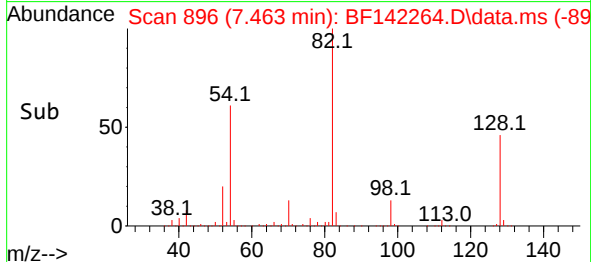
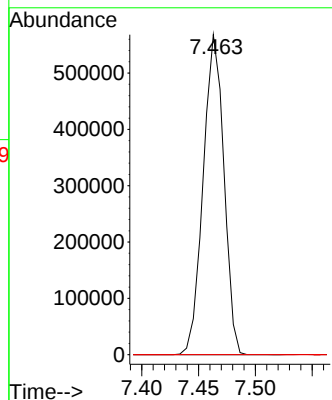
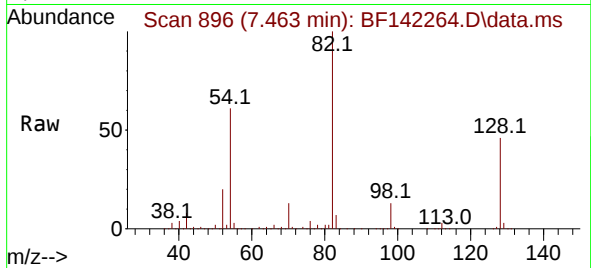




#25
Isophorone
Concen: 28.710 ng
RT: 7.463 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF142264.D
Acq: 01 May 2025 17:00

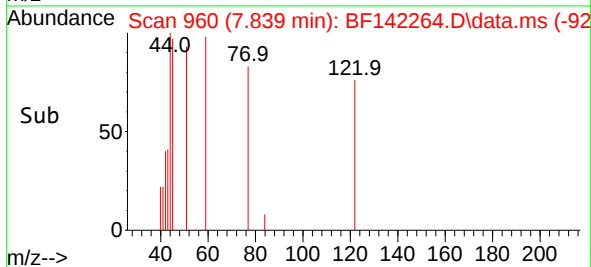
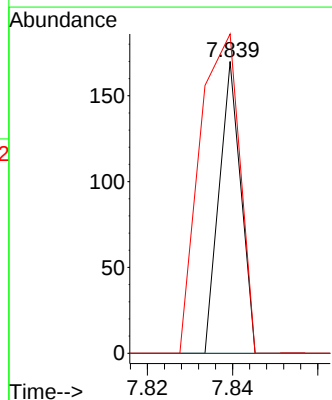
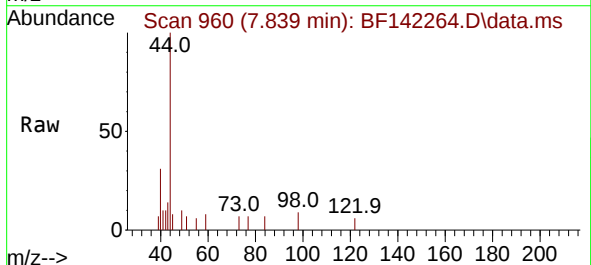
Instrument :
BNA_F
ClientSampleId :
COMP-6

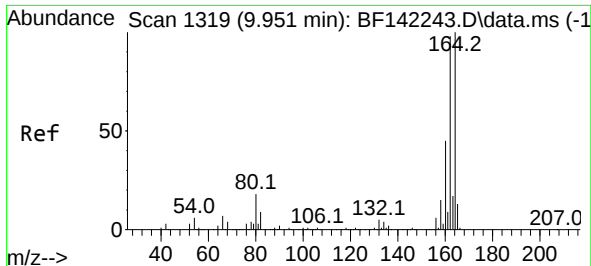
Tgt Ion: 82 Resp: 719268
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 15.3 22.9#



#32
Benzoic acid
Concen: 10.816 ng
RT: 7.839 min Scan# 960
Delta R.T. -0.095 min
Lab File: BF142264.D
Acq: 01 May 2025 17:00

Tgt Ion:122 Resp: 60
Ion Ratio Lower Upper
122 100
105 0.0 98.2 138.2#
77 109.4 66.8 106.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142264.D

Acq: 01 May 2025 17:00

Instrument :

BNA_F

ClientSampleId :

COMP-6

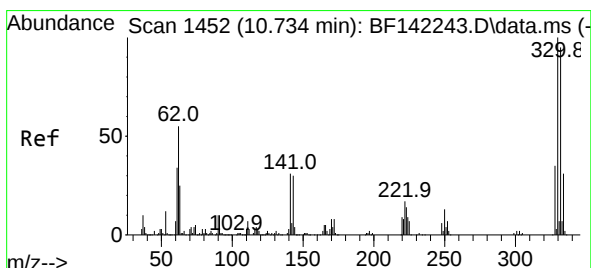
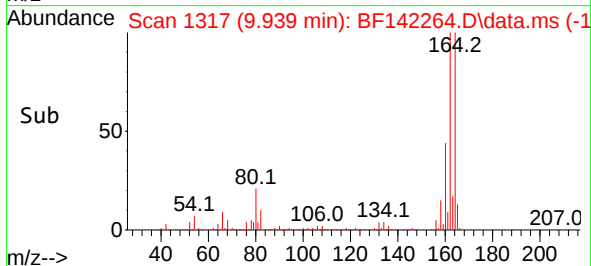
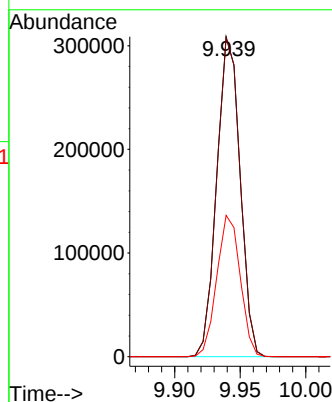
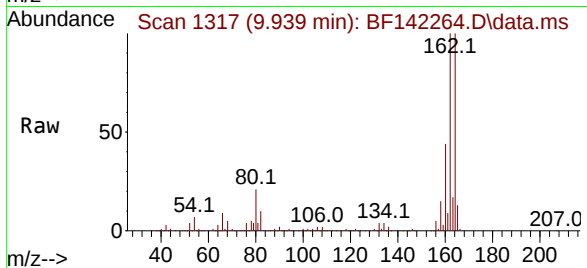
Tgt Ion:164 Resp: 381114

Ion Ratio Lower Upper

164 100

162 99.6 78.6 117.8

160 44.1 35.7 53.5



#42

2,4,6-Tribromophenol

Concen: 76.569 ng

RT: 10.727 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF142264.D

Acq: 01 May 2025 17:00

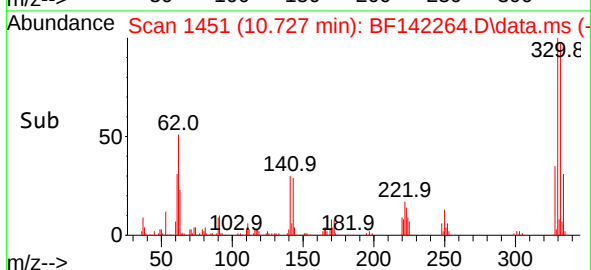
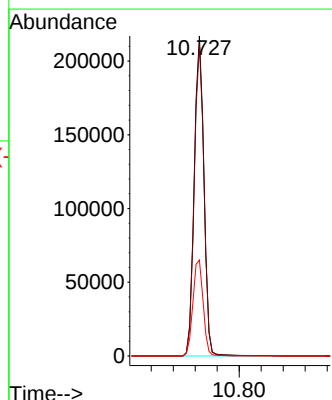
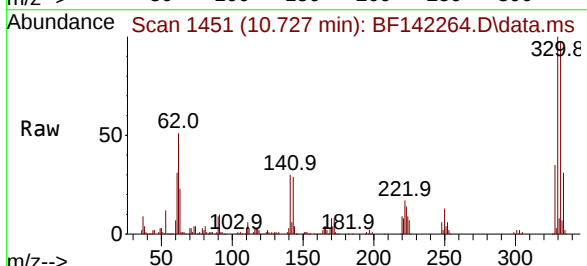
Tgt Ion:330 Resp: 266029

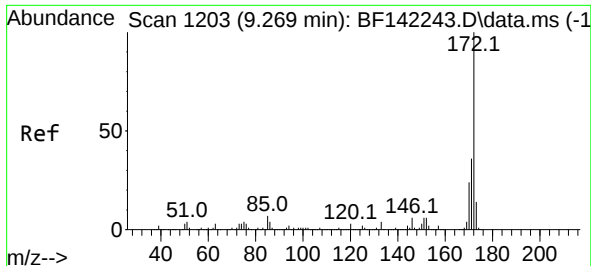
Ion Ratio Lower Upper

330 100

332 97.1 76.5 114.7

141 31.6 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 55.593 ng

RT: 9.263 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142264.D

Acq: 01 May 2025 17:00

Instrument :

BNA_F

ClientSampleId :

COMP-6

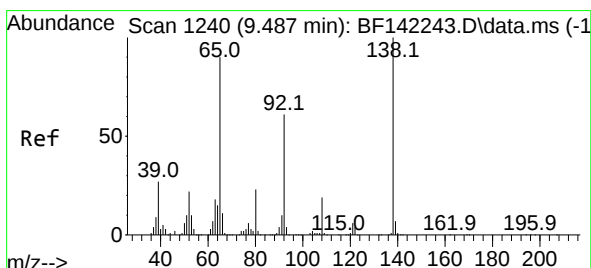
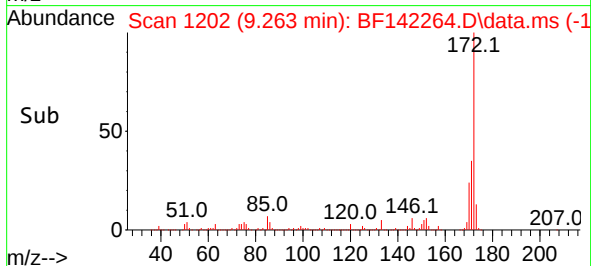
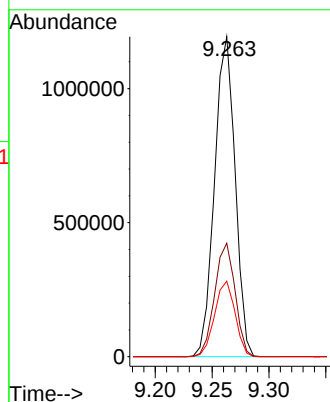
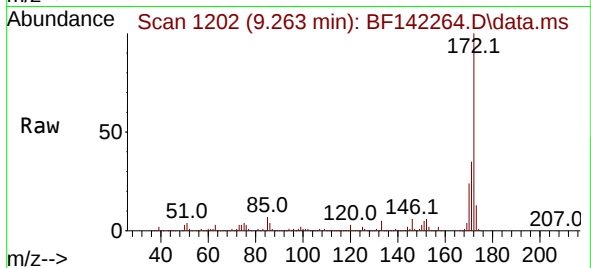
Tgt Ion:172 Resp: 1502671

Ion Ratio Lower Upper

172 100

171 35.4 29.0 43.4

170 23.6 19.4 29.0



#48

2-Nitroaniline

Concen: 5.141 ng

RT: 9.263 min Scan# 1202

Delta R.T. -0.224 min

Lab File: BF142264.D

Acq: 01 May 2025 17:00

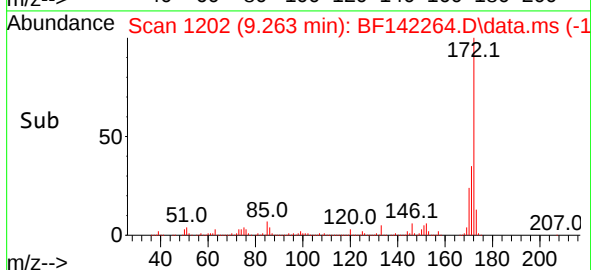
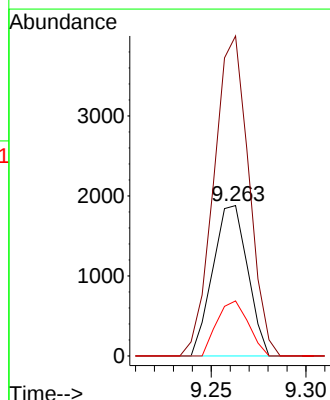
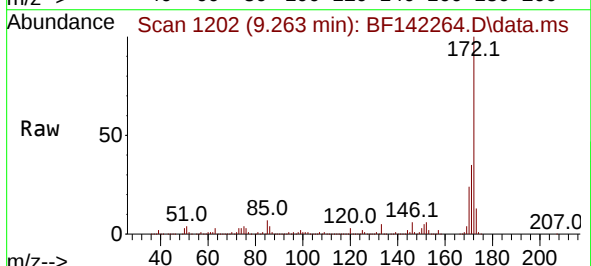
Tgt Ion: 65 Resp: 2404

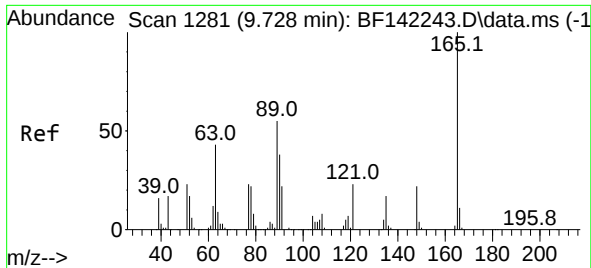
Ion Ratio Lower Upper

65 100

92 212.8 54.3 81.5#

138 36.6 88.6 133.0#

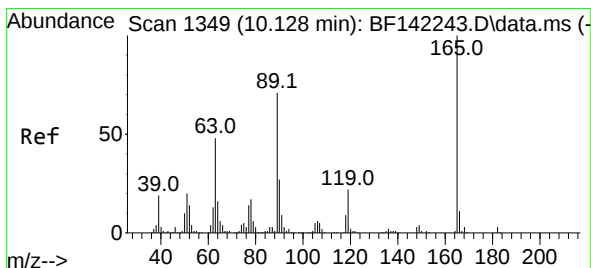
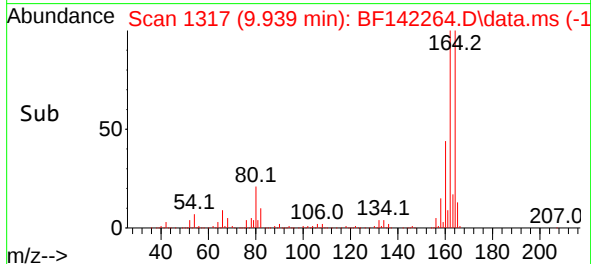
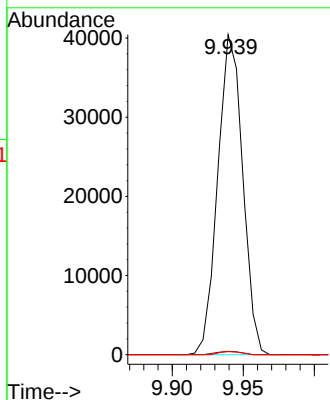
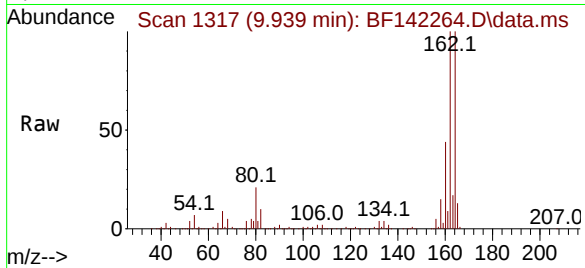




#51
2,6-Dinitrotoluene
Concen: 13.688 ng
RT: 9.939 min Scan# 11
Delta R.T. 0.211 min
Lab File: BF142264.D
Acq: 01 May 2025 17:00

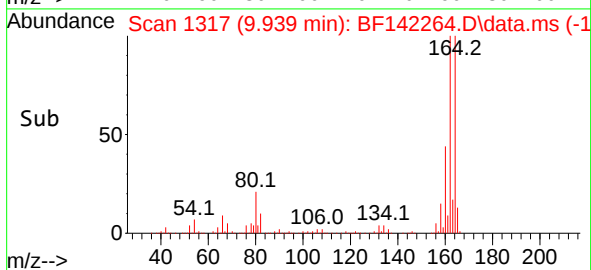
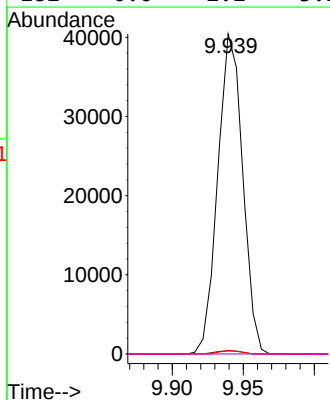
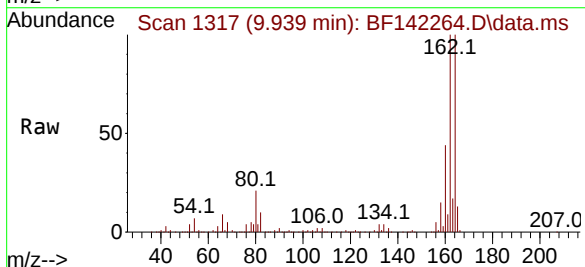
Instrument :
BNA_F
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COMP-6

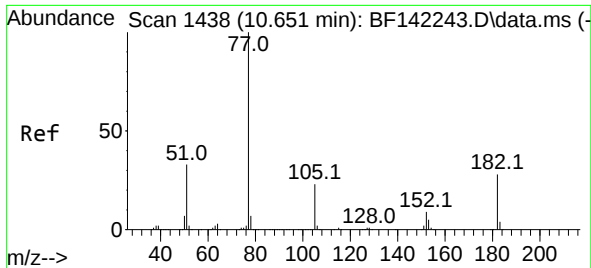
Tgt Ion:165 Resp: 49326
Ion Ratio Lower Upper
165 100
63 1.1 48.5 72.7#
89 0.9 43.9 65.9#



#57
2,4-Dinitrotoluene
Concen: 12.827 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.189 min
Lab File: BF142264.D
Acq: 01 May 2025 17:00

Tgt Ion:165 Resp: 49326
Ion Ratio Lower Upper
165 100
63 1.1 38.8 58.2#
89 0.9 57.1 85.7#
182 0.0 2.2 3.2#

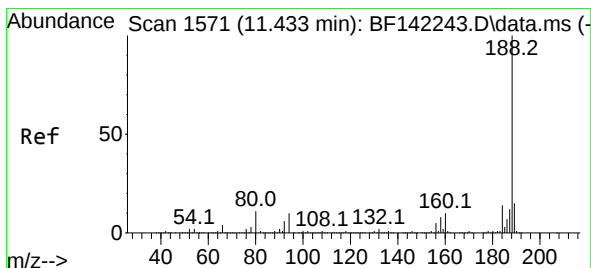
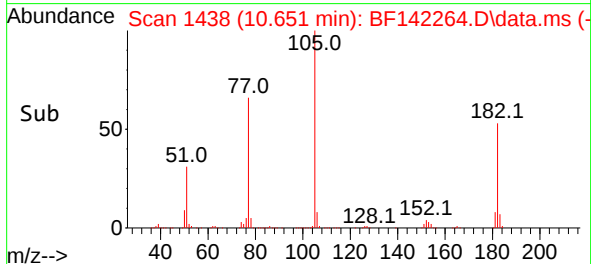
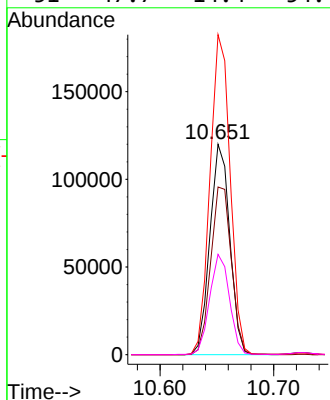
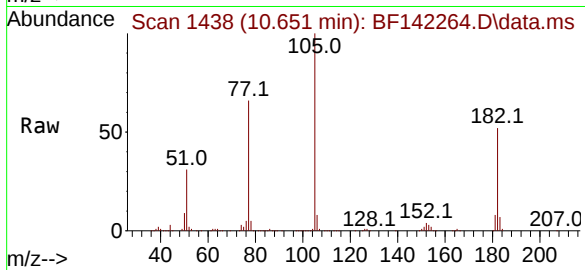




#63
Azobenzene
Concen: 6.154 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.000 min
Lab File: BF142264.D
Acq: 01 May 2025 17:00

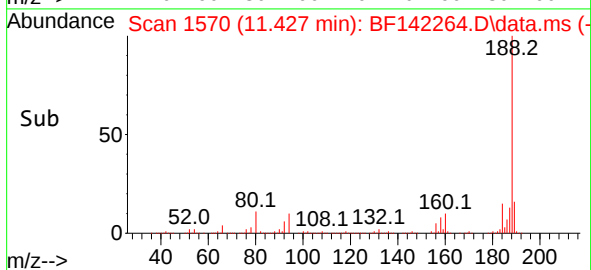
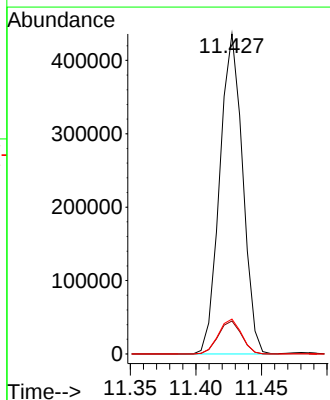
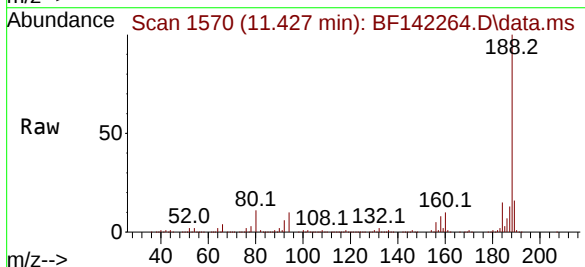
Instrument :
BNA_F
ClientSampleId :
COMP-6

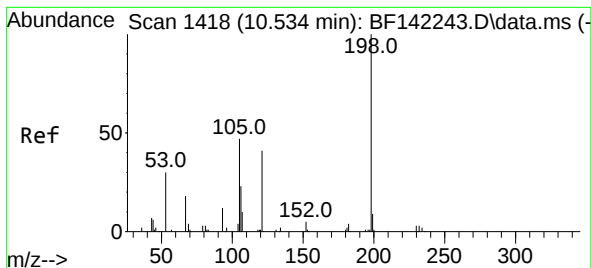
Tgt Ion: 77 Resp: 146322
Ion Ratio Lower Upper
77 100
182 79.7 7.3 47.3#
105 152.1 2.5 42.5#
51 47.7 14.4 54.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142264.D
Acq: 01 May 2025 17:00

Tgt Ion: 188 Resp: 529947
Ion Ratio Lower Upper
188 100
94 10.3 8.2 12.2
80 10.9 8.6 12.8

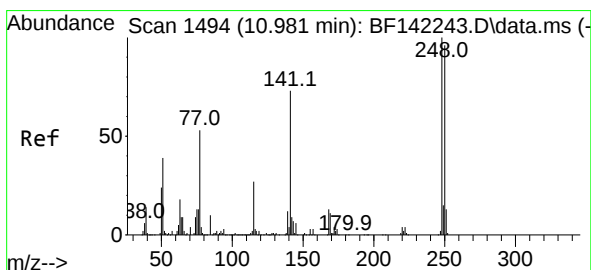
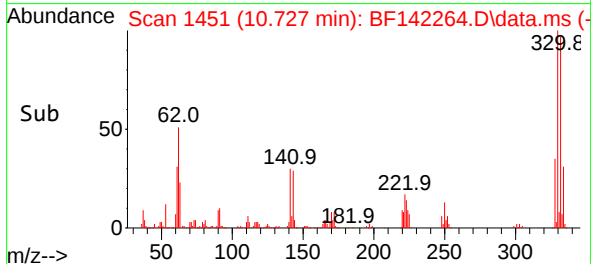
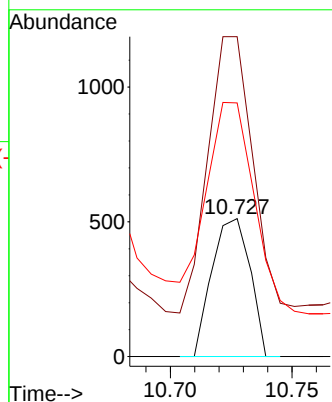
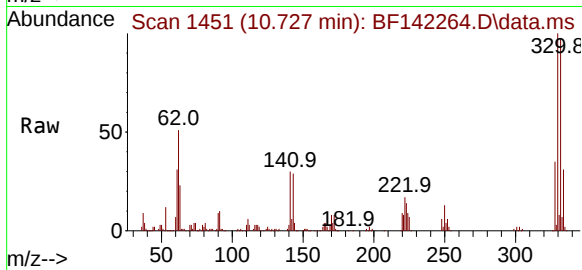




#65
4,6-Dinitro-2-methylphenol
Concen: 10.860 ng
RT: 10.727 min Scan# 1418
Delta R.T. 0.193 min
Lab File: BF142264.D
Acq: 01 May 2025 17:00

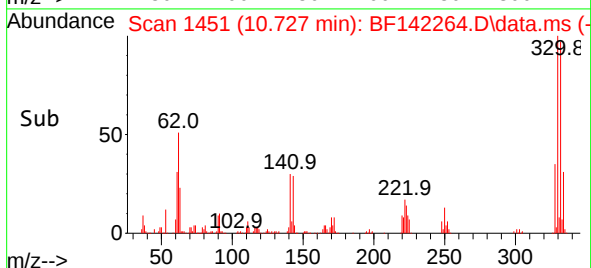
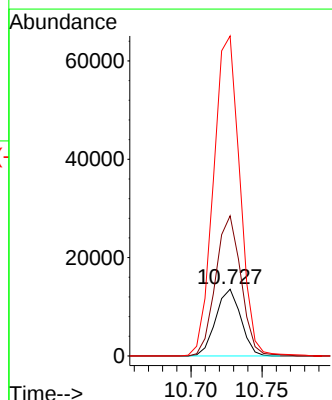
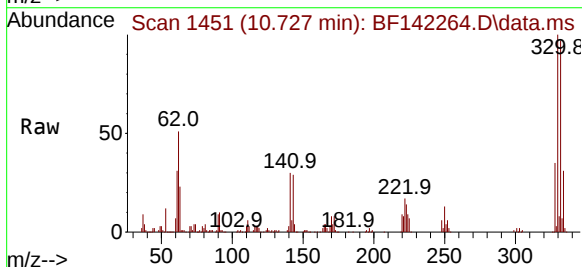
Instrument :
BNA_F
ClientSampleId :
COMP-6

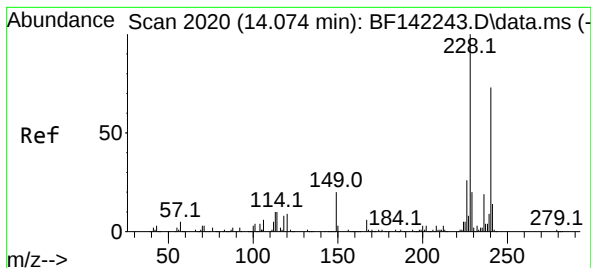
Tgt Ion:198 Resp: 557
Ion Ratio Lower Upper
198 100
51 231.8 40.6 80.6#
105 183.8 29.2 69.2#



#67
4-Bromophenyl-phenylether
Concen: 2.821 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.253 min
Lab File: BF142264.D
Acq: 01 May 2025 17:00

Tgt Ion:248 Resp: 16648
Ion Ratio Lower Upper
248 100
250 210.0 77.2 115.8#
141 479.3 58.4 87.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.068 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142264.D

Acq: 01 May 2025 17:00

Instrument :

BNA_F

ClientSampleId :

COMP-6

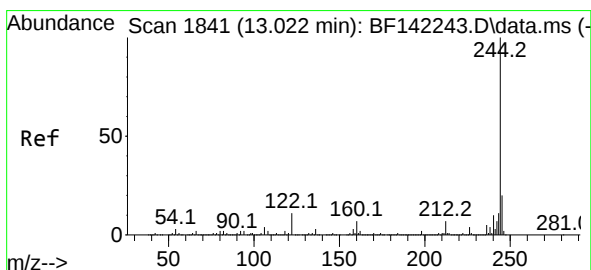
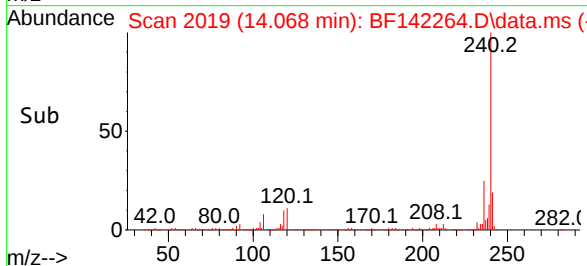
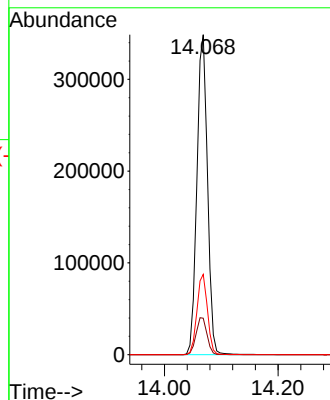
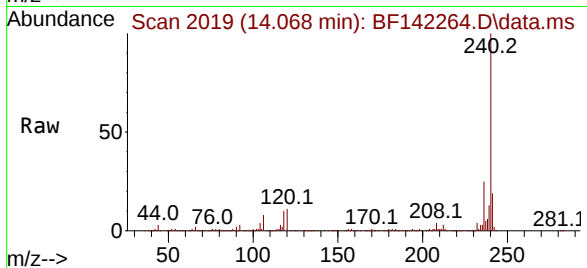
Tgt Ion:240 Resp: 453109

Ion Ratio Lower Upper

240 100

120 11.4 10.1 15.1

236 25.1 20.5 30.7



#79

Terphenyl-d14

Concen: 38.571 ng

RT: 13.016 min Scan# 1840

Delta R.T. -0.006 min

Lab File: BF142264.D

Acq: 01 May 2025 17:00

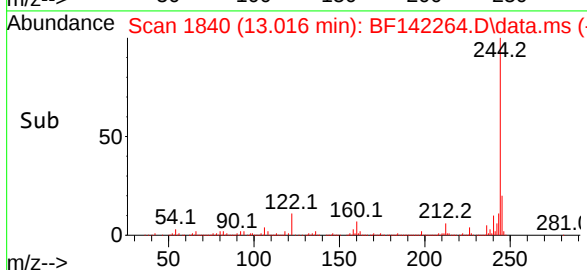
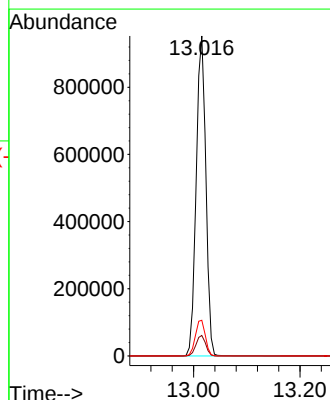
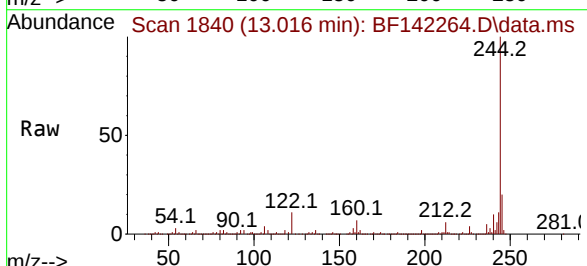
Tgt Ion:244 Resp: 1201650

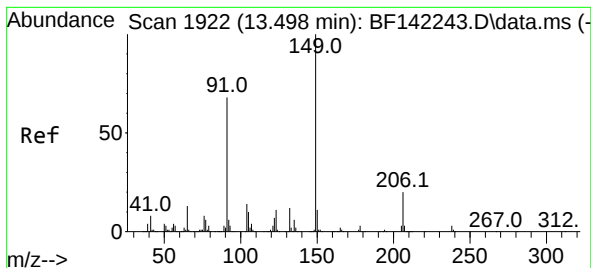
Ion Ratio Lower Upper

244 100

212 6.4 5.3 7.9

122 11.1 9.1 13.7





#80

Butylbenzylphthalate

Concen: 3.749 ng

RT: 13.492 min Scan# 1922

Delta R.T. -0.006 min

Lab File: BF142264.D

Acq: 01 May 2025 17:00

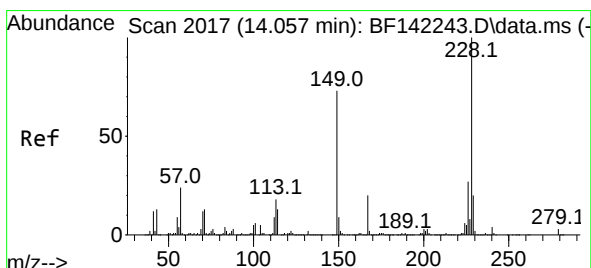
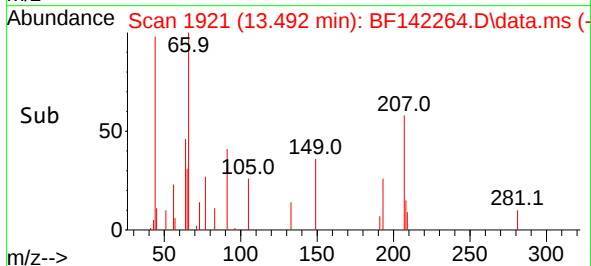
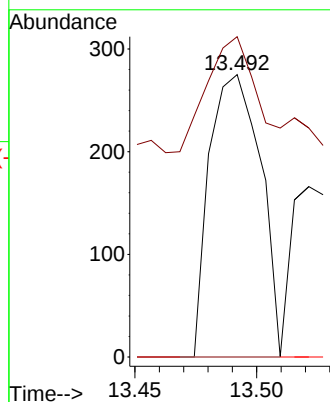
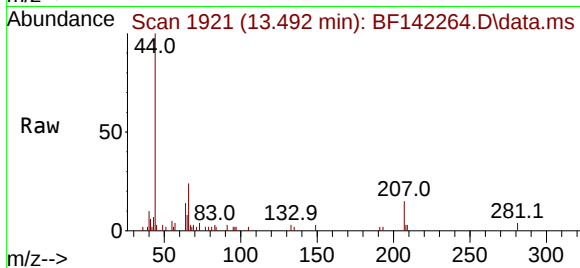
Instrument :

BNA_F

ClientSampleId :

COMP-6

Tgt Ion:149	Resp:	400
Ion	Ratio	Lower Upper
149	100	
91	113.5	54.4 81.6#
206	0.0	15.9 23.9#



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.170 ng

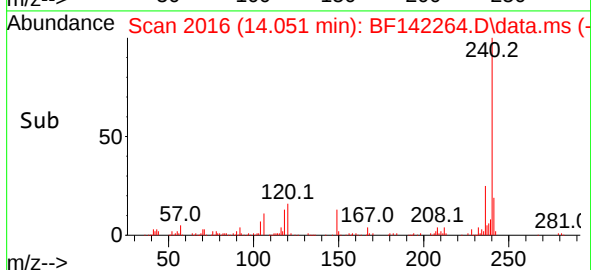
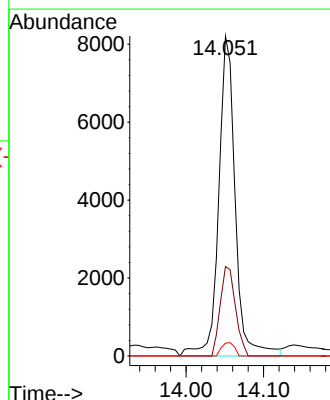
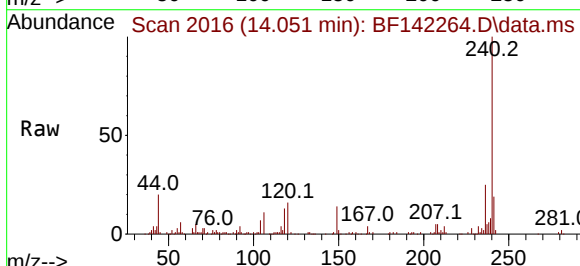
RT: 14.051 min Scan# 2016

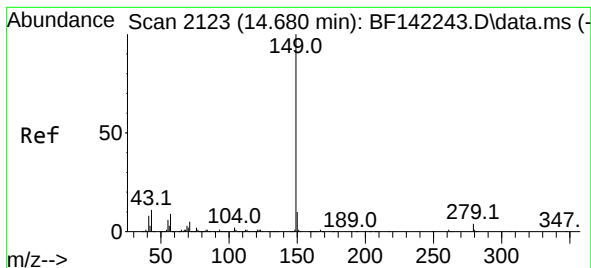
Delta R.T. -0.006 min

Lab File: BF142264.D

Acq: 01 May 2025 17:00

Tgt Ion:149	Resp:	12211
Ion	Ratio	Lower Upper
149	100	
167	28.0	21.7 32.5
279	4.0	3.0 4.4





#85

Di-n-octyl phthalate

Concen: 6.074 ng

RT: 14.668 min Scan# 2121

Delta R.T. -0.012 min

Lab File: BF142264.D

Acq: 01 May 2025 17:00

Instrument :

BNA_F

ClientSampleId :

COMP-6

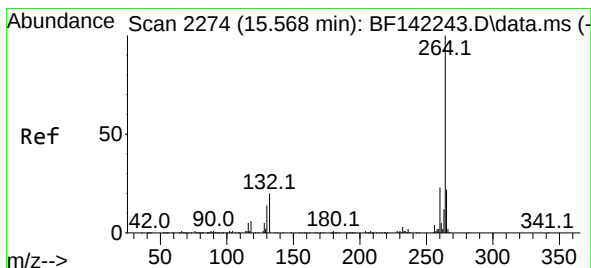
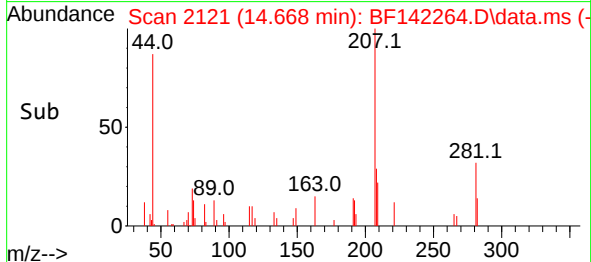
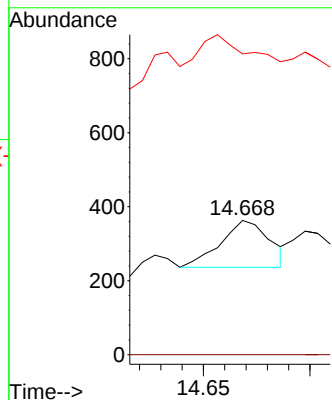
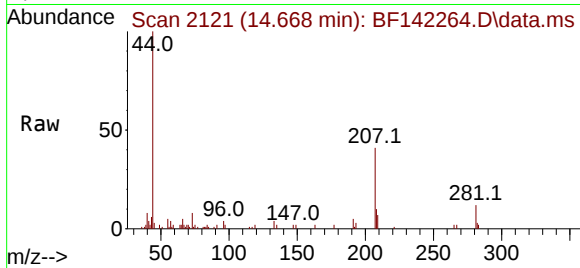
Tgt Ion:149 Resp: 203

Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

43 0.0 9.3 13.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2272

Delta R.T. -0.012 min

Lab File: BF142264.D

Acq: 01 May 2025 17:00

Tgt Ion:264 Resp: 437720

Ion Ratio Lower Upper

264 100

260 23.5 18.4 27.6

265 21.9 17.3 25.9

