

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051325\
 Data File : BF142352.D
 Acq On : 13 May 2025 19:06
 Operator : RC/JU
 Sample : Q2004-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STONE-STOCK

Quant Time: May 14 00:56:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

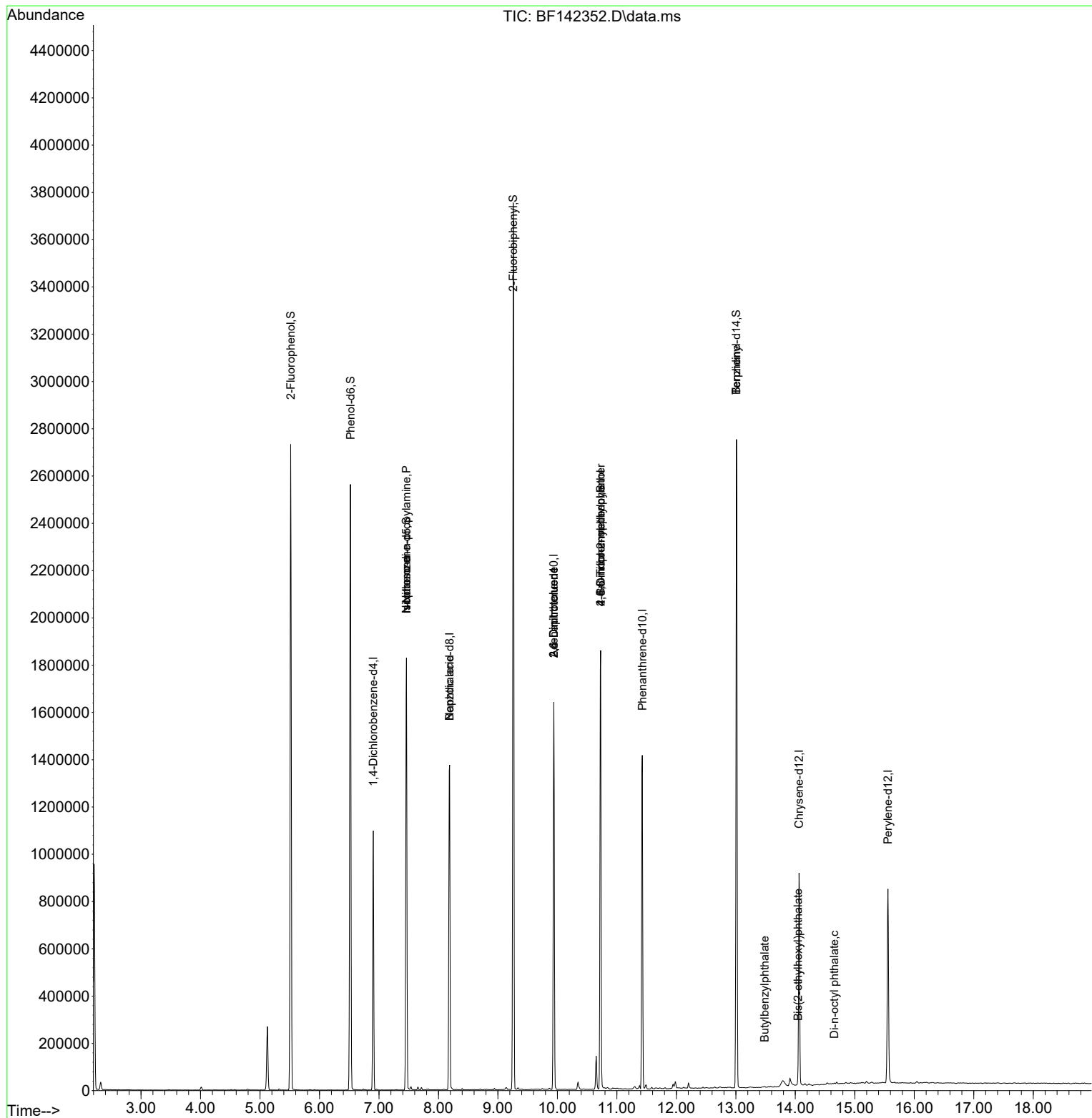
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	232518	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	894716	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	477624	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	733596	20.000	ng	0.00
76) Chrysene-d12	14.063	240	434596	20.000	ng	0.00
86) Perylene-d12	15.557	264	480795	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1037781	76.191	ng	0.00
7) Phenol-d6	6.522	99	1271974	75.927	ng	0.00
23) Nitrobenzene-d5	7.463	82	771171	52.566	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	331262	71.836	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1687997	50.393	ng	0.00
79) Terphenyl-d14	13.010	244	1340914	45.668	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	102218	9.864	ng	# 77
25) Isophorone	7.463	82	756410	27.228	ng	# 62
32) Benzoic acid	8.187	122	131	6.033	ng	# 1
51) 2,6-Dinitrotoluene	9.939	165	59686	10.397	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	59686	8.105	ng	# 24
65) 4,6-Dinitro-2-methylph...	10.728	198	526	7.316	ng	# 1
67) 4-Bromophenyl-phenylether	10.728	248	19563	2.353	ng	# 1
77) Benzidine	13.010	184	15975	2.023	ng	96
80) Butylbenzylphthalate	13.486	149	1616	3.791	ng	# 82
84) Bis(2-ethylhexyl)phtha...	14.045	149	9331	4.816	ng	98
85) Di-n-octyl phthalate	14.657	149	2215	7.910	ng	# 99

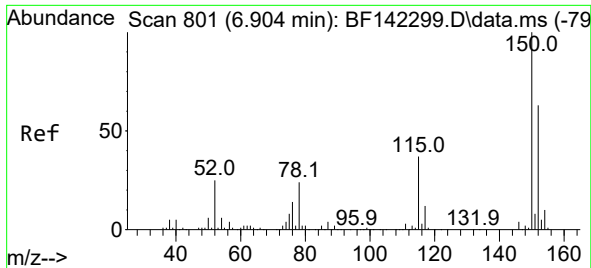
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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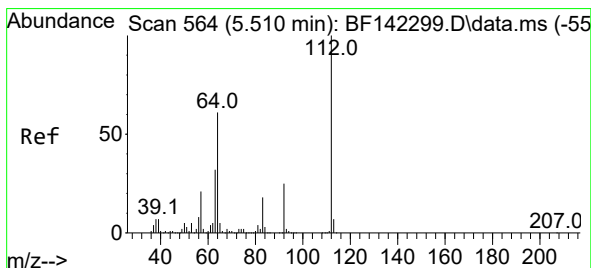
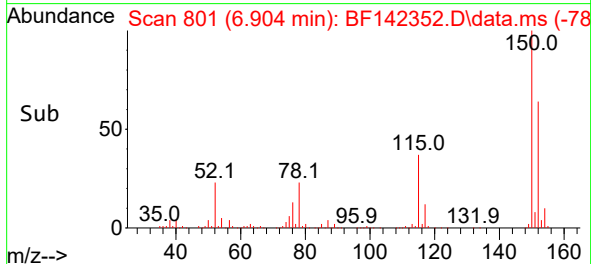
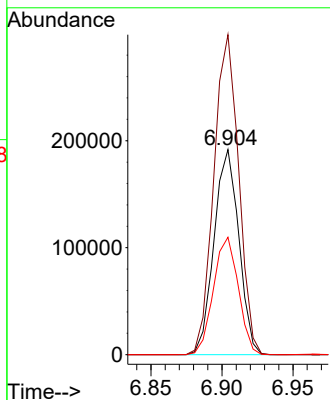
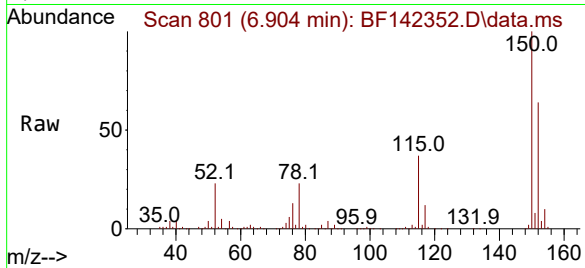




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142352.D
Acq: 13 May 2025 19:06

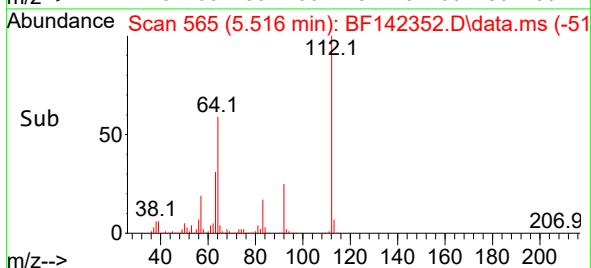
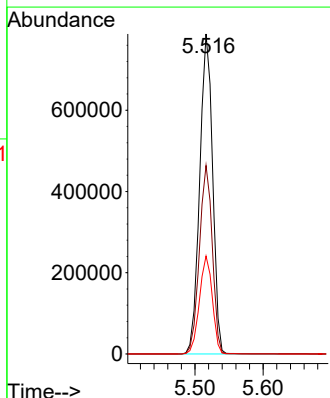
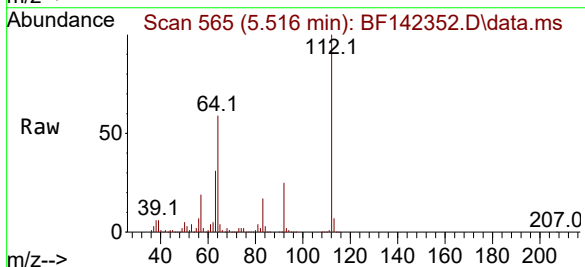
Instrument :
BNA_F
ClientSampleId :
STONE-STOCK

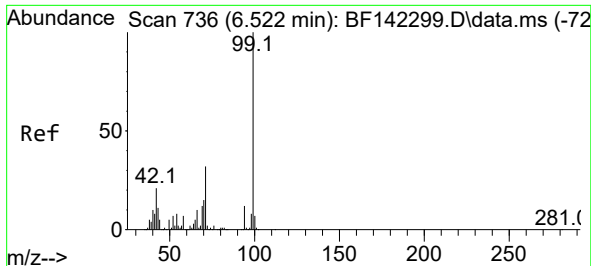
Tgt Ion:152 Resp: 232518
Ion Ratio Lower Upper
152 100
150 156.0 126.6 190.0
115 57.2 47.3 70.9



#5
2-Fluorophenol
Concen: 76.191 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF142352.D
Acq: 13 May 2025 19:06

Tgt Ion:112 Resp: 1037781
Ion Ratio Lower Upper
112 100
64 58.9 48.9 73.3
63 30.6 25.6 38.4

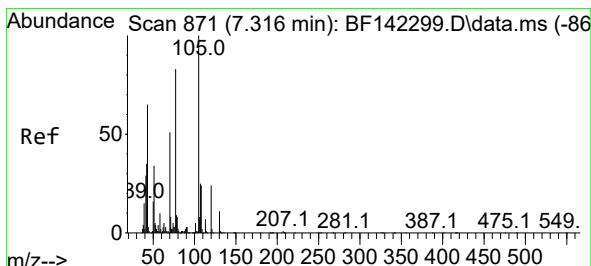
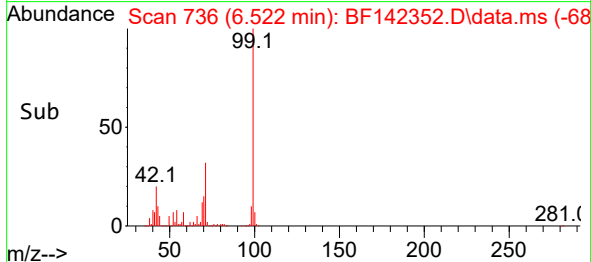
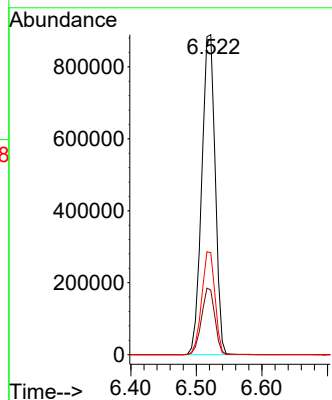
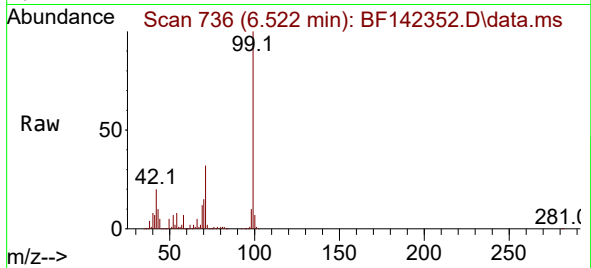




#7
Phenol-d6
Concen: 75.927 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF142352.D
Acq: 13 May 2025 19:06

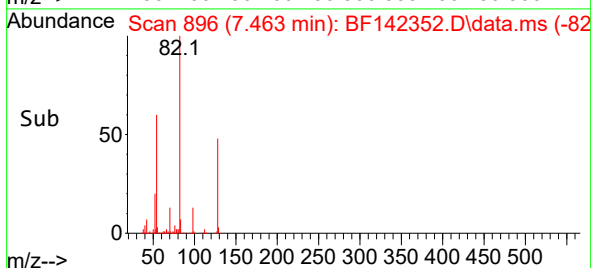
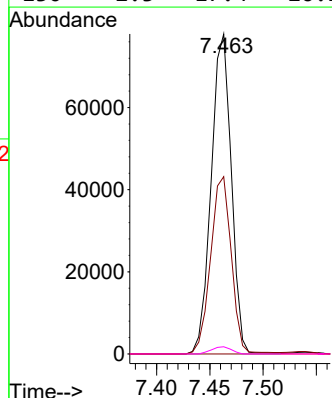
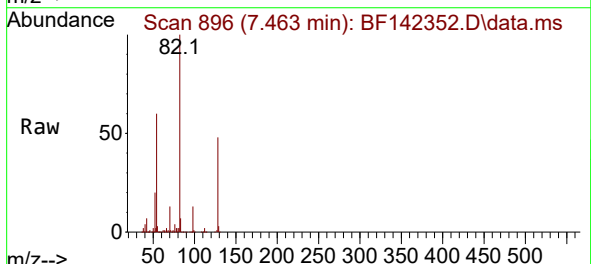
Instrument :
BNA_F
ClientSampleId :
STONE-STOCK

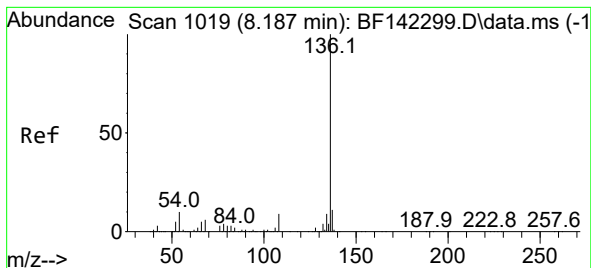
Tgt Ion: 99 Resp: 1271974
Ion Ratio Lower Upper
99 100
42 20.2 17.0 25.4
71 31.9 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.864 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.147 min
Lab File: BF142352.D
Acq: 13 May 2025 19:06

Tgt Ion: 70 Resp: 102218
Ion Ratio Lower Upper
70 100
42 55.4 54.8 82.2
101 0.0 7.7 11.5#
130 2.3 17.4 26.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.187 min Scan# 1019

Delta R.T. -0.000 min

Lab File: BF142352.D

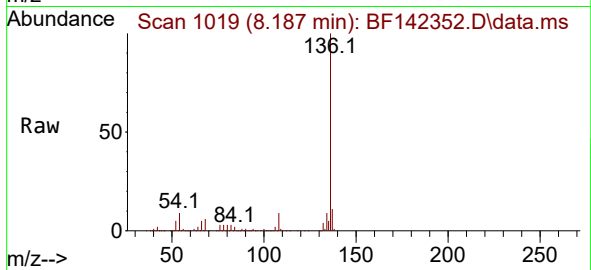
Acq: 13 May 2025 19:06

Instrument :

BNA_F

ClientSampleId :

STONE-STOCK



Tgt Ion:136 Resp: 894716

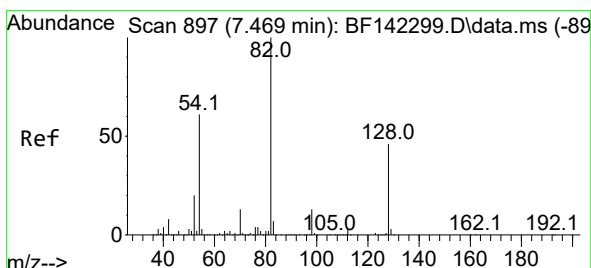
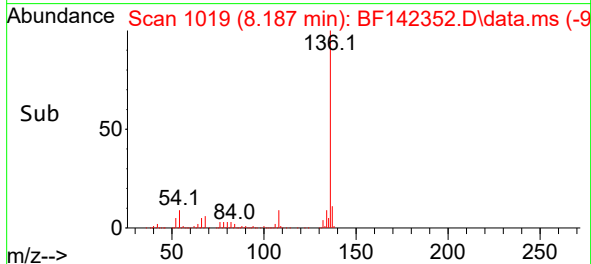
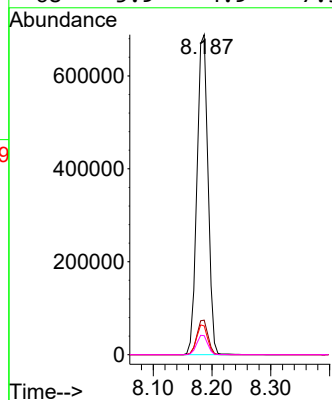
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 9.0 7.7 11.5

68 5.9 4.9 7.3



#23

Nitrobenzene-d5

Concen: 52.566 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF142352.D

Acq: 13 May 2025 19:06

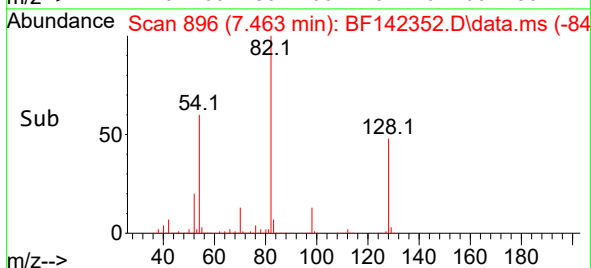
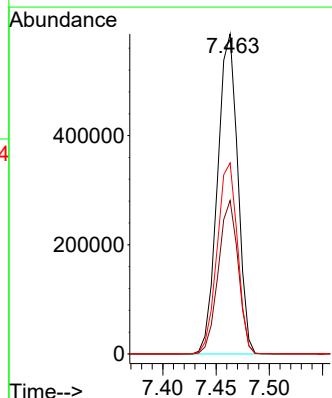
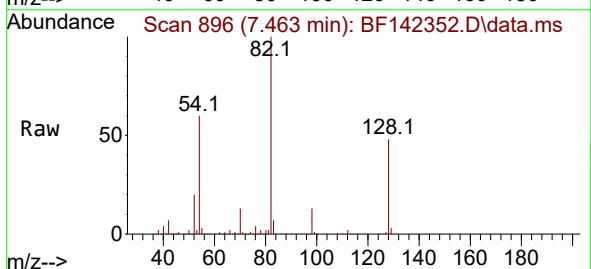
Tgt Ion: 82 Resp: 771171

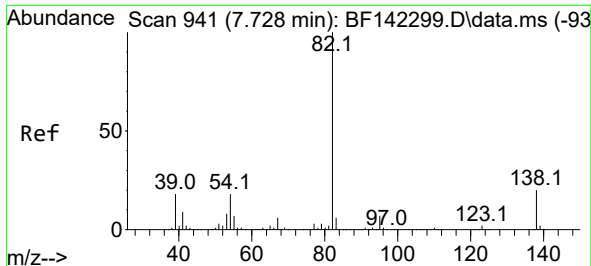
Ion Ratio Lower Upper

82 100

128 48.0 37.0 55.6

54 59.7 48.6 73.0

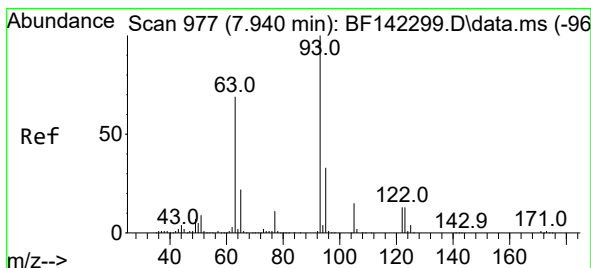
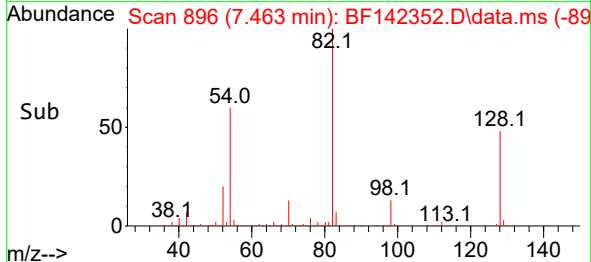
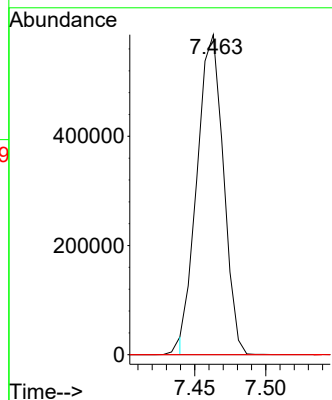
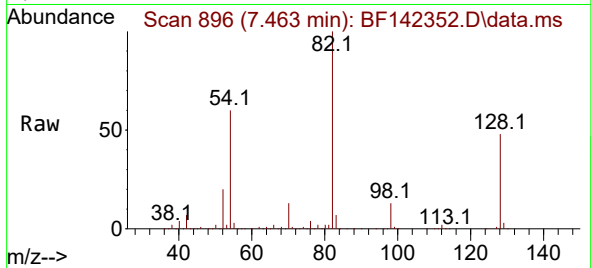




#25
Isophorone
Concen: 27.228 ng
RT: 7.463 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF142352.D
Acq: 13 May 2025 19:06

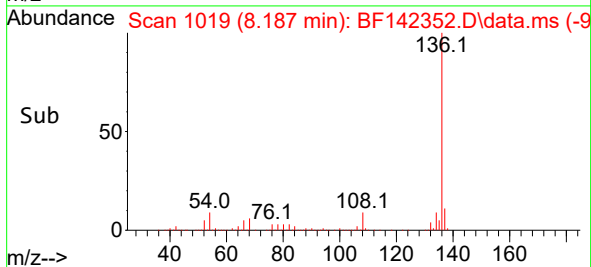
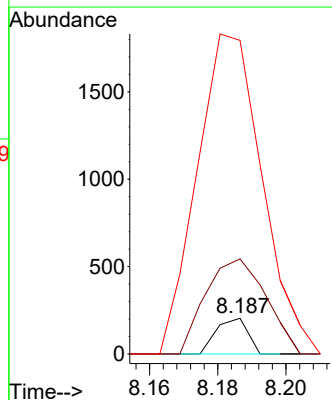
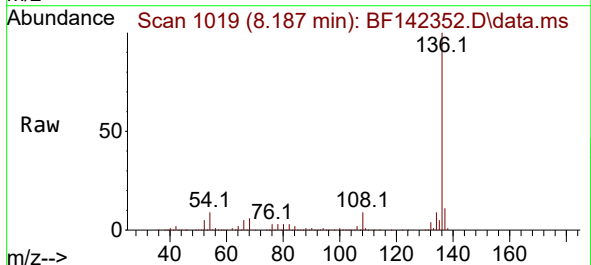
Instrument :
BNA_F
ClientSampleId :
STONE-STOCK

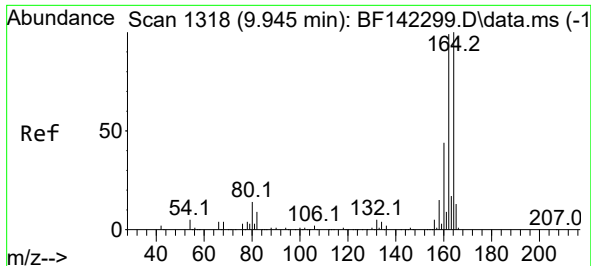
Tgt Ion: 82 Resp: 756410
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#32
Benzoic acid
Concen: 6.033 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.247 min
Lab File: BF142352.D
Acq: 13 May 2025 19:06

Tgt Ion:122 Resp: 131
Ion Ratio Lower Upper
122 100
105 266.7 97.9 137.9#
77 879.9 67.7 107.7#

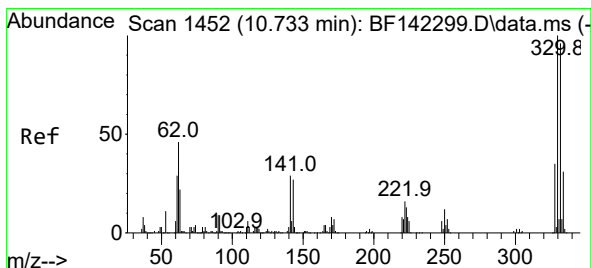
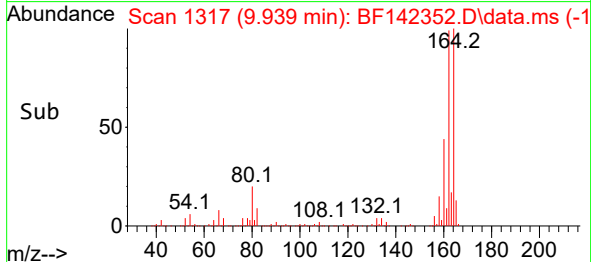
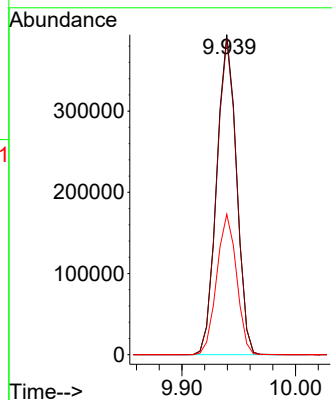
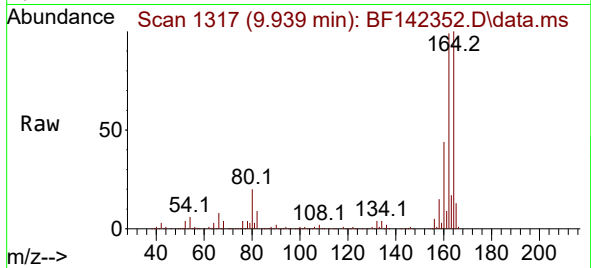




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142352.D
Acq: 13 May 2025 19:06

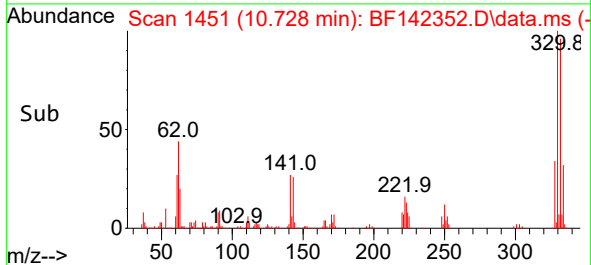
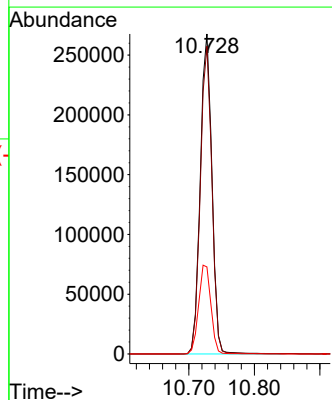
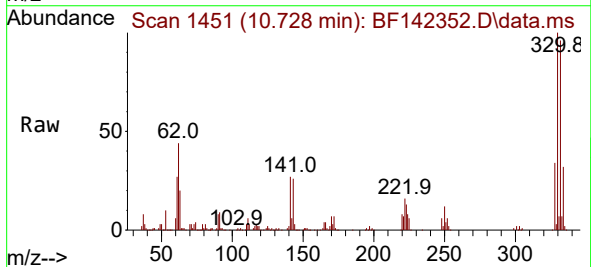
Instrument :
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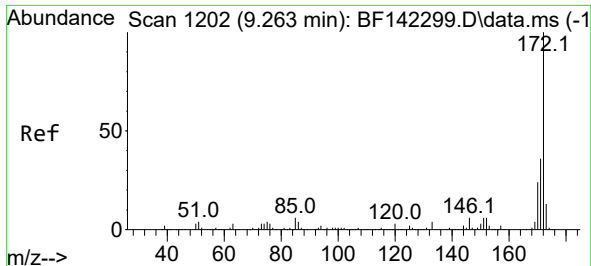
Tgt Ion:164 Resp: 477624
Ion Ratio Lower Upper
164 100
162 98.6 79.2 118.8
160 43.9 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 71.836 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142352.D
Acq: 13 May 2025 19:06

Tgt Ion:330 Resp: 331262
Ion Ratio Lower Upper
330 100
332 95.7 76.8 115.2
141 29.4 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 50.393 ng

RT: 9.257 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142352.D

Acq: 13 May 2025 19:06

Instrument :

BNA_F

ClientSampleId :

STONE-STOCK

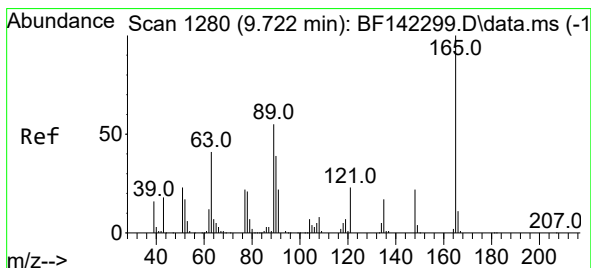
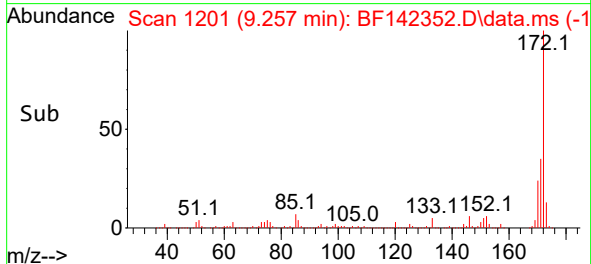
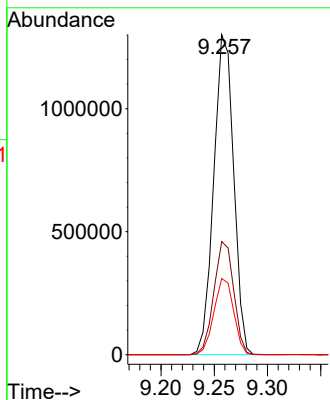
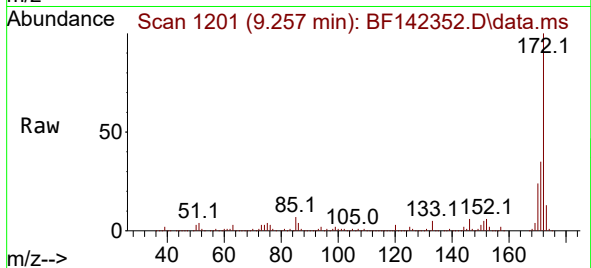
Tgt Ion:172 Resp: 1687997

Ion Ratio Lower Upper

172 100

171 35.4 28.6 42.8

170 23.8 19.0 28.4



#51

2,6-Dinitrotoluene

Concen: 10.397 ng

RT: 9.939 min Scan# 1317

Delta R.T. 0.218 min

Lab File: BF142352.D

Acq: 13 May 2025 19:06

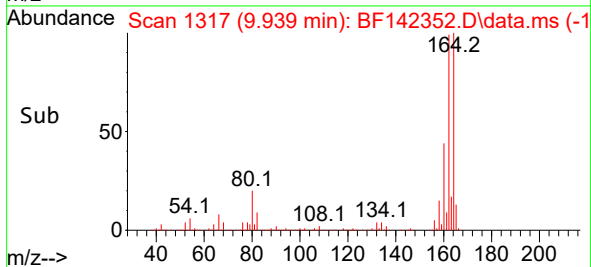
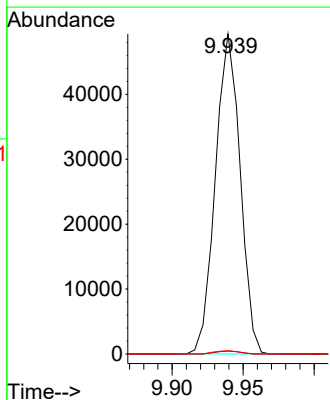
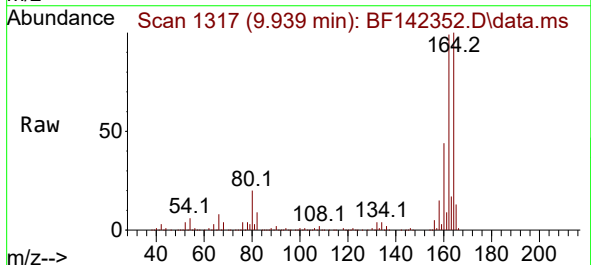
Tgt Ion:165 Resp: 59686

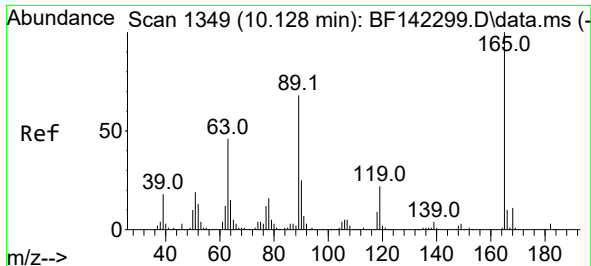
Ion Ratio Lower Upper

165 100

63 0.9 49.5 74.3#

89 1.0 44.6 66.8#

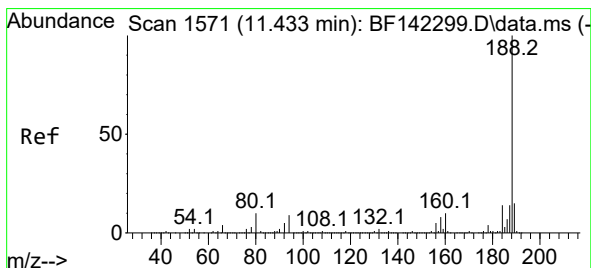
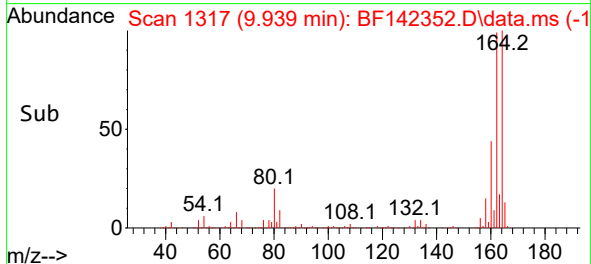
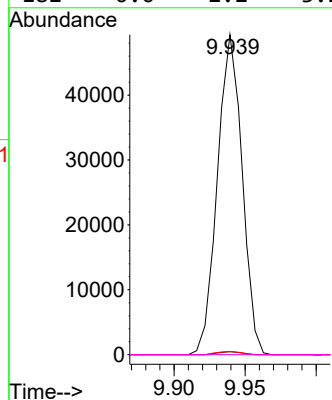
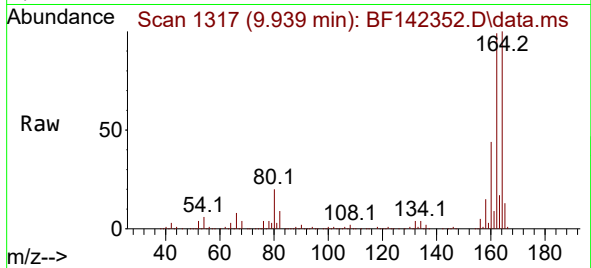




#57
2,4-Dinitrotoluene
Concen: 8.105 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF142352.D
Acq: 13 May 2025 19:06

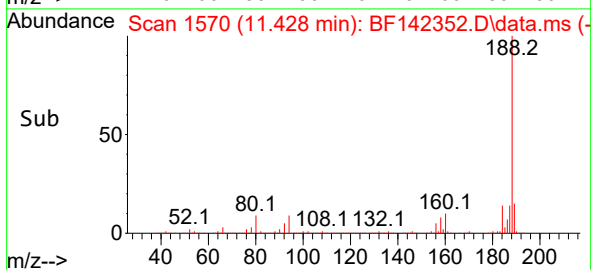
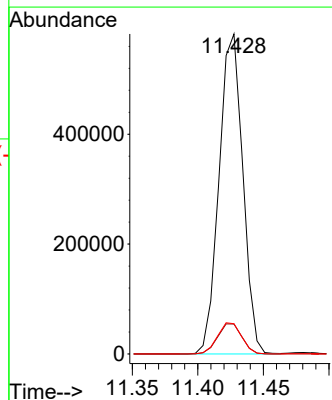
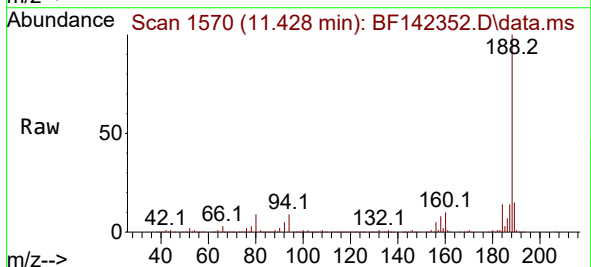
Instrument :
BNA_F
ClientSampleId :
STONE-STOCK

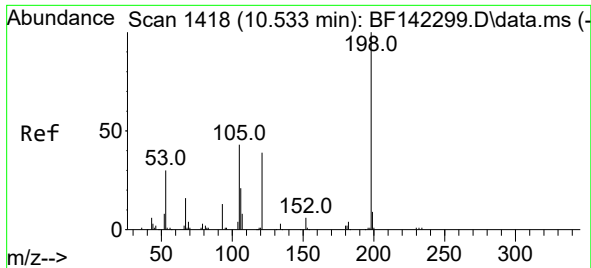
Tgt Ion:165 Resp: 59686
Ion Ratio Lower Upper
165 100
63 0.9 37.1 55.7#
89 1.0 54.4 81.6#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142352.D
Acq: 13 May 2025 19:06

Tgt Ion:188 Resp: 733596
Ion Ratio Lower Upper
188 100
94 9.3 7.5 11.3
80 9.5 7.9 11.9

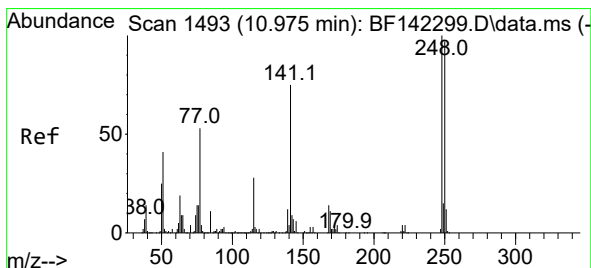
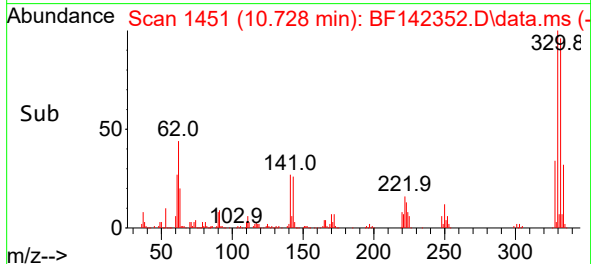
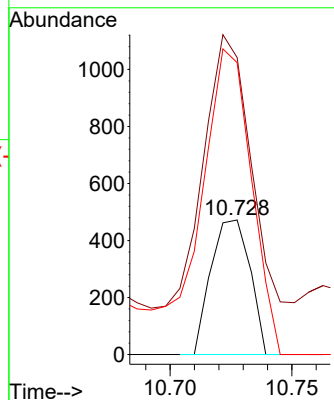
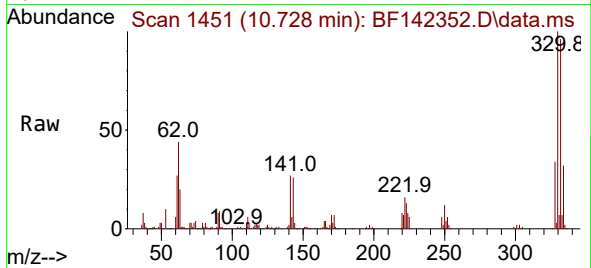




#65
4,6-Dinitro-2-methylphenol
Concen: 7.316 ng
RT: 10.728 min Scan# 1418
Delta R.T. 0.195 min
Lab File: BF142352.D
Acq: 13 May 2025 19:06

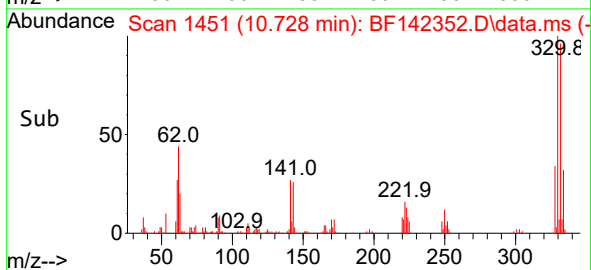
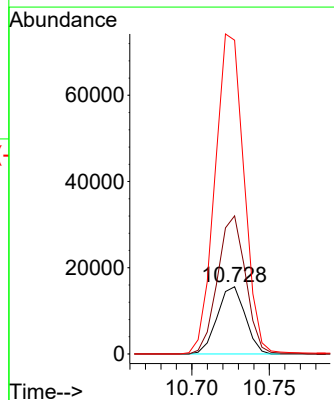
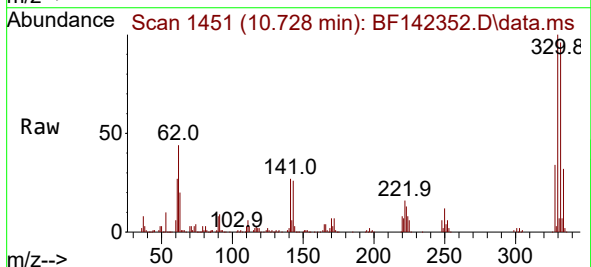
Instrument :
BNA_F
ClientSampleId :
STONE-STOCK

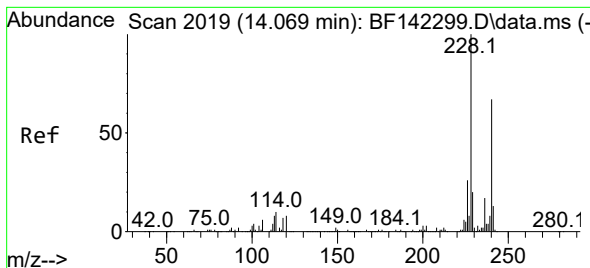
Tgt Ion:198 Resp: 526
Ion Ratio Lower Upper
198 100
51 220.8 32.9 72.9#
105 216.9 23.7 63.7#



#67
4-Bromophenyl-phenylether
Concen: 2.353 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.247 min
Lab File: BF142352.D
Acq: 13 May 2025 19:06

Tgt Ion:248 Resp: 19563
Ion Ratio Lower Upper
248 100
250 205.8 77.9 116.9#
141 467.2 59.8 89.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142352.D

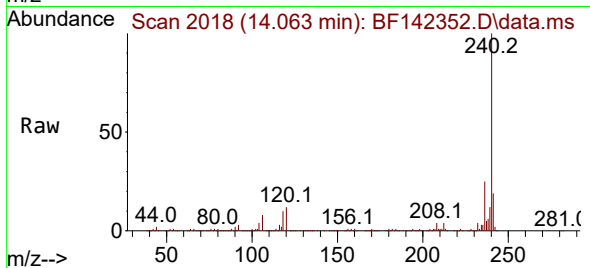
Acq: 13 May 2025 19:06

Instrument :

BNA_F

ClientSampleId :

STONE-STOCK



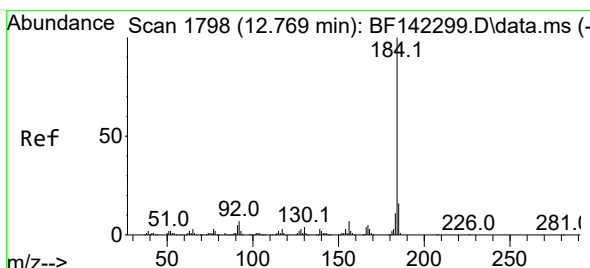
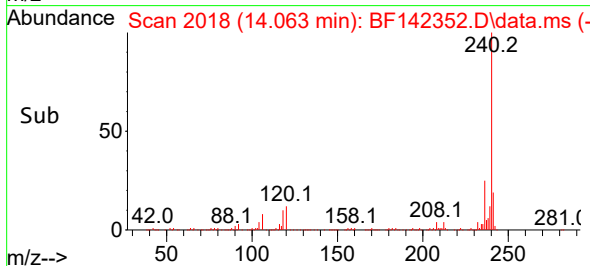
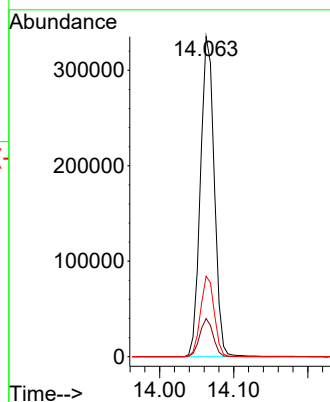
Tgt Ion:240 Resp: 434596

Ion Ratio Lower Upper

240 100

120 11.9 9.7 14.5

236 25.1 20.0 30.0



#77

Benzdine

Concen: 2.023 ng

RT: 13.010 min Scan# 1839

Delta R.T. 0.241 min

Lab File: BF142352.D

Acq: 13 May 2025 19:06

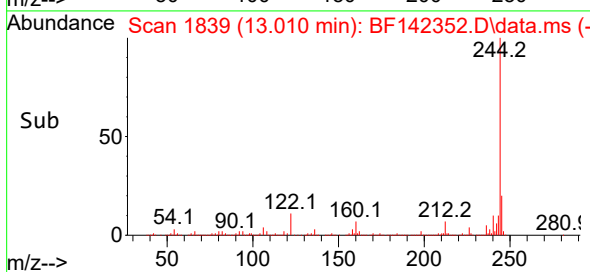
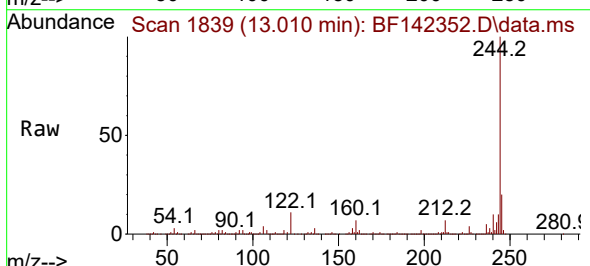
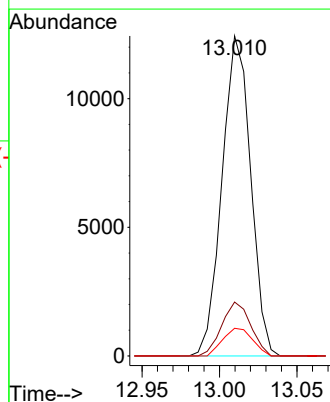
Tgt Ion:184 Resp: 15975

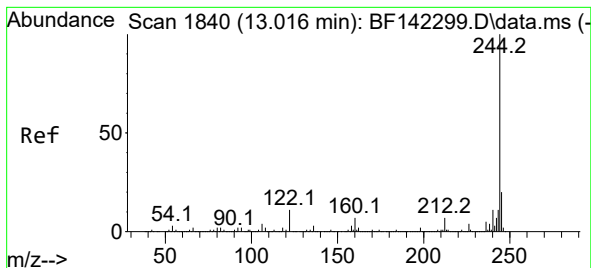
Ion Ratio Lower Upper

184 100

185 16.8 12.6 18.8

183 8.7 8.6 12.8





#79

Terphenyl-d14

Concen: 45.668 ng

RT: 13.010 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142352.D

Acq: 13 May 2025 19:06

Instrument :

BNA_F

ClientSampleId :

STONE-STOCK

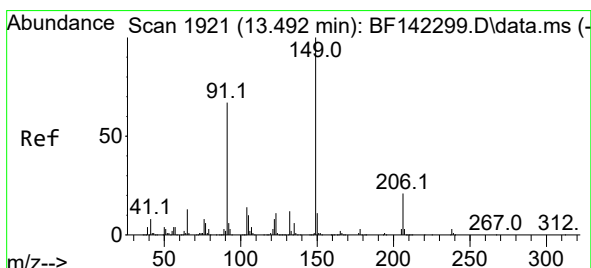
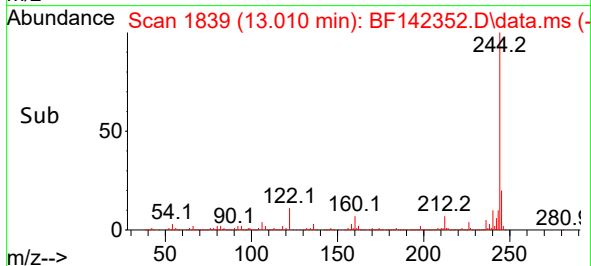
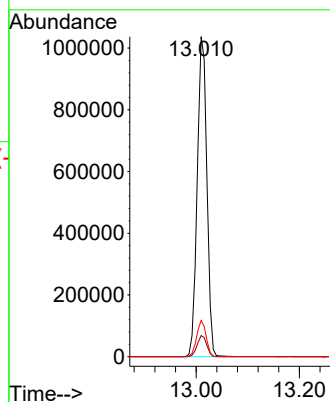
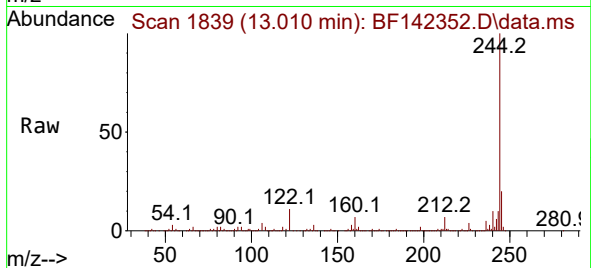
Tgt Ion:244 Resp: 1340914

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

122 11.3 9.0 13.4



#80

Butylbenzylphthalate

Concen: 3.791 ng

RT: 13.486 min Scan# 1920

Delta R.T. -0.006 min

Lab File: BF142352.D

Acq: 13 May 2025 19:06

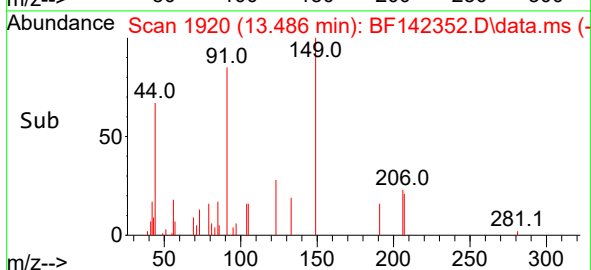
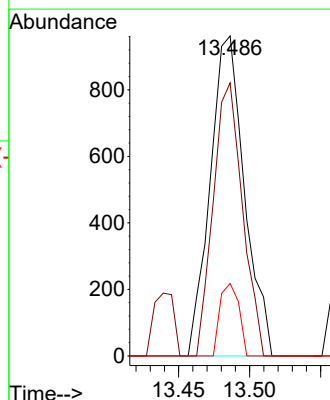
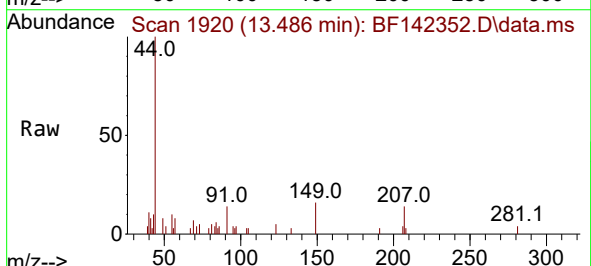
Tgt Ion:149 Resp: 1616

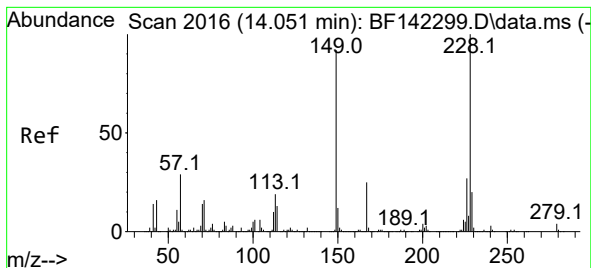
Ion Ratio Lower Upper

149 100

91 85.3 53.8 80.6#

206 22.7 16.6 24.8

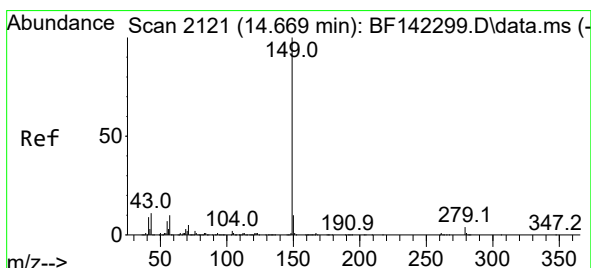
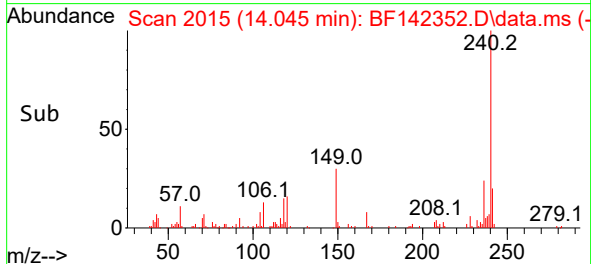
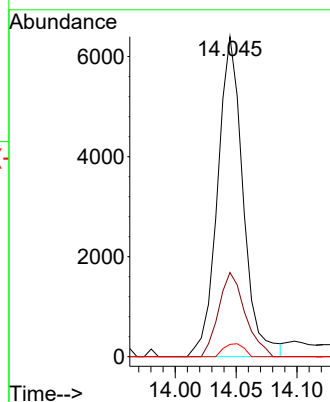
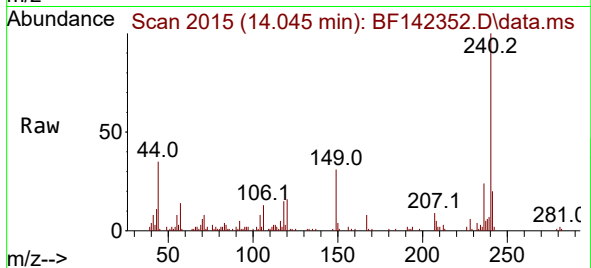




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.816 ng
 RT: 14.045 min Scan# 2016
 Delta R.T. -0.006 min
 Lab File: BF142352.D
 Acq: 13 May 2025 19:06

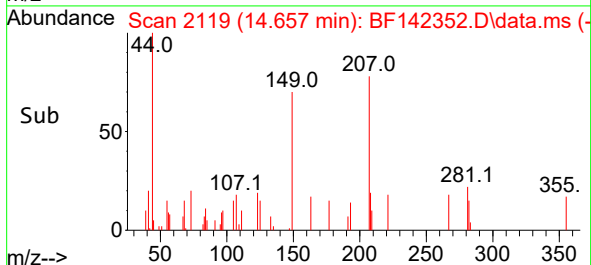
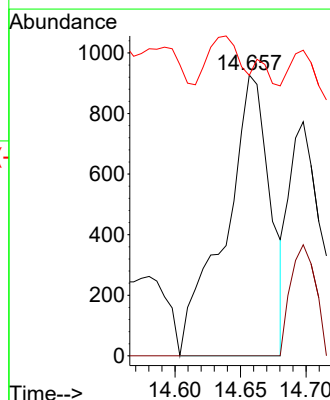
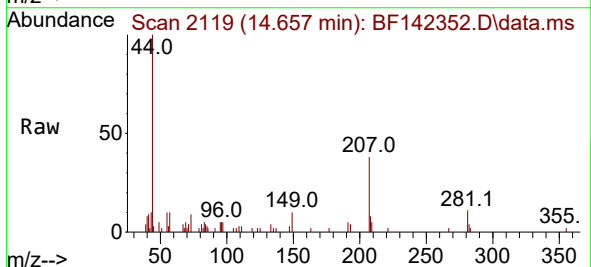
Instrument :
 BNA_F
 ClientSampleId :
 STONE-STOCK

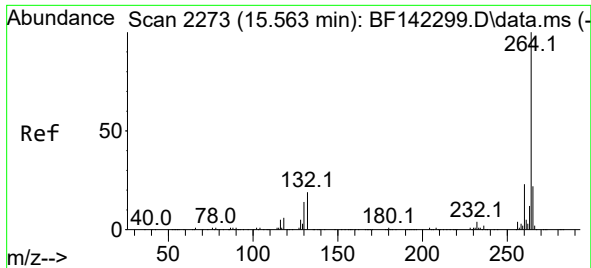
Tgt Ion:149 Resp: 9331
 Ion Ratio Lower Upper
 149 100
 167 26.3 22.0 33.0
 279 3.9 3.0 4.6



#85
 Di-n-octyl phthalate
 Concen: 7.910 ng
 RT: 14.657 min Scan# 2119
 Delta R.T. -0.012 min
 Lab File: BF142352.D
 Acq: 13 May 2025 19:06

Tgt Ion:149 Resp: 2215
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.1 1.7#
 43 11.4 9.2 13.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142352.D
Acq: 13 May 2025 19:06

Instrument :
BNA_F
ClientSampleId :
STONE-STOCK

Tgt Ion:264 Resp: 480795
Ion Ratio Lower Upper
264 100
260 23.2 18.6 27.8
265 21.7 17.5 26.3

