

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
 Data File : BF142378.D
 Acq On : 14 May 2025 21:06
 Operator : RC/JU
 Sample : Q1982-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2B

Quant Time: May 15 01:04:47 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)

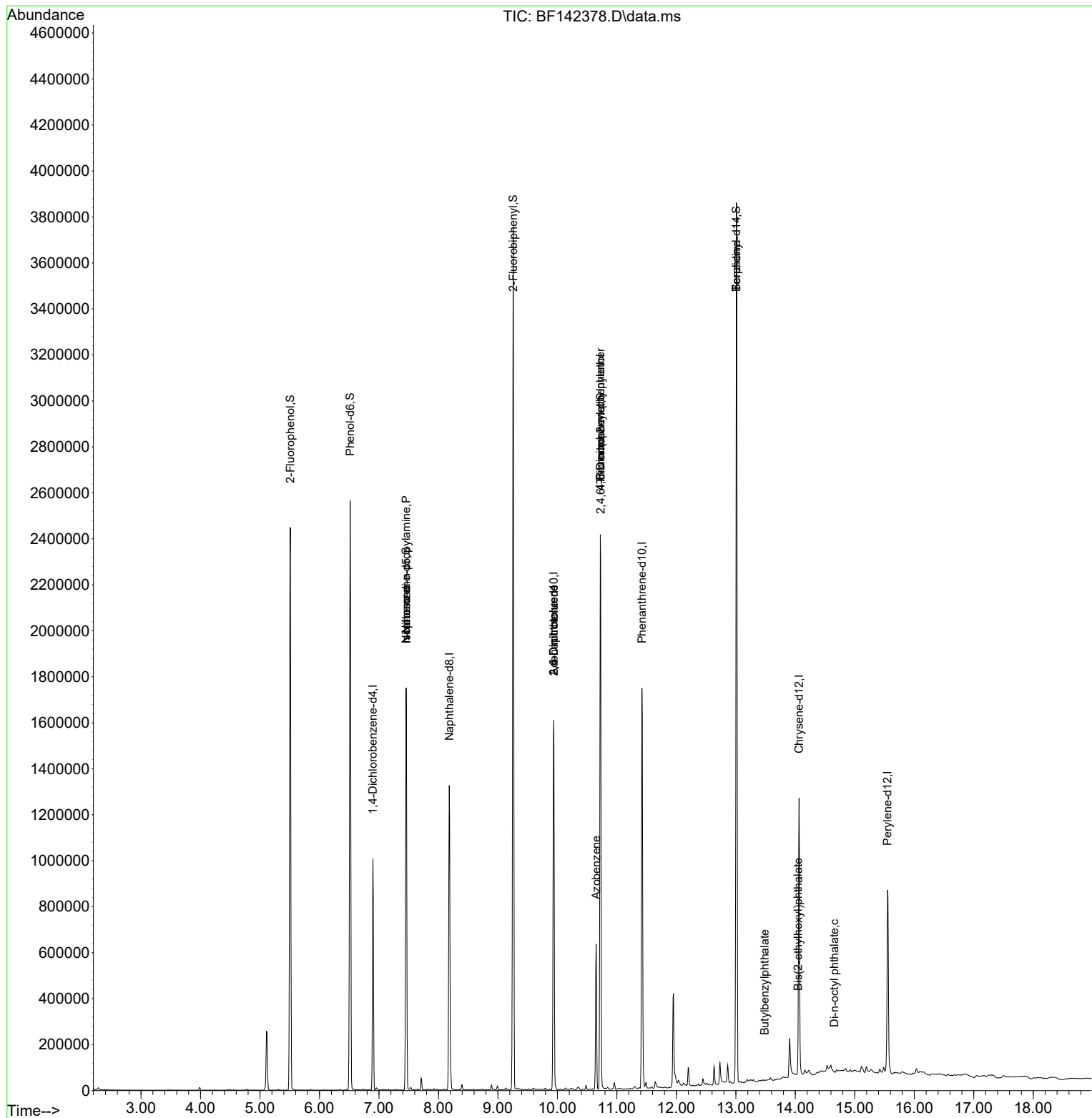
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	213754	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	843294	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	499403	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	915623	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	567502	20.000	ng	0.00
86) Perylene-d12	15.551	264	470991	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	967326	77.252	ng	0.00
7) Phenol-d6	6.516	99	1248110	81.043	ng	0.00
23) Nitrobenzene-d5	7.457	82	751490	54.348	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	456974	94.776	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1720635	49.127	ng	0.00
79) Terphenyl-d14	13.010	244	1907000	49.737	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	98404	10.330	ng	# 78
25) Isophorone	7.457	82	742791	28.368	ng	# 62
51) 2,6-Dinitrotoluene	9.939	165	64118	10.682	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	64118	8.327	ng	# 25
63) Azobenzene	10.651	77	151339	4.945	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.722	198	880	7.360	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	27308	2.632	ng	# 1
77) Benzidine	13.010	184	23244	2.254	ng	# 95
80) Butylbenzylphthalate	13.486	149	942	3.718	ng	86
84) Bis(2-ethylhexyl)phtha...	14.045	149	6715	4.556	ng	99
85) Di-n-octyl phthalate	14.657	149	1130	7.867	ng	# 73

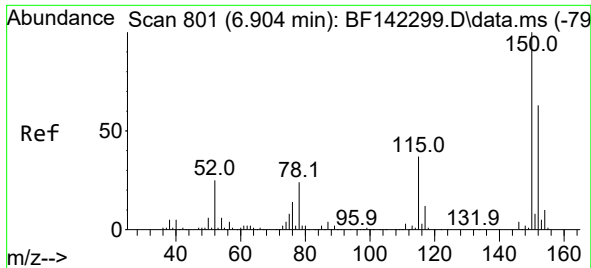
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
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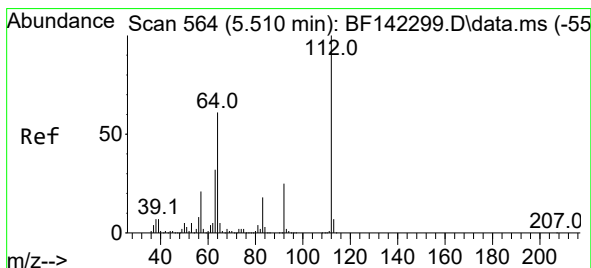
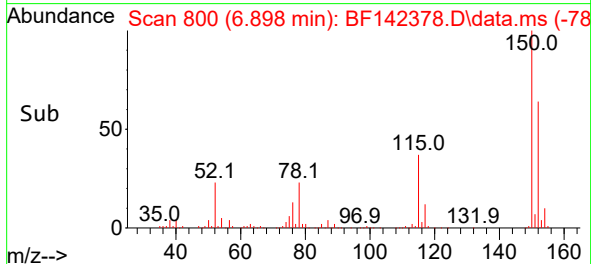
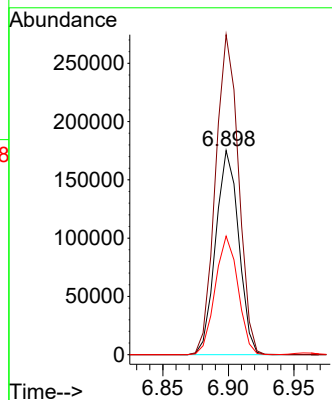
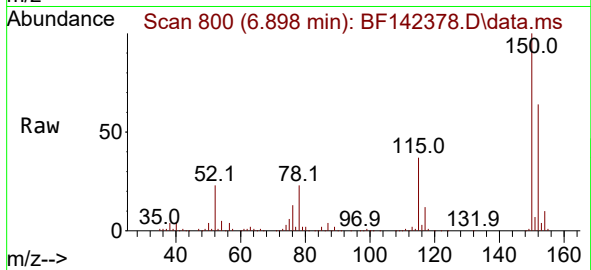




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142378.D
Acq: 14 May 2025 21:06

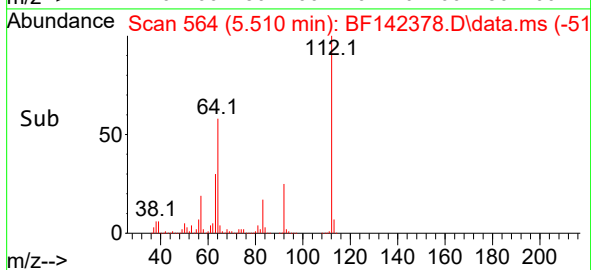
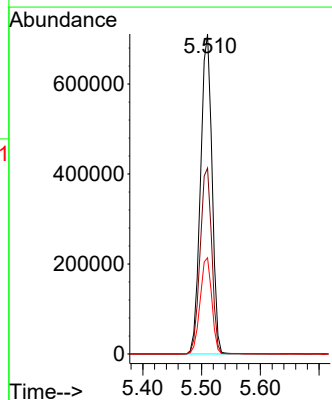
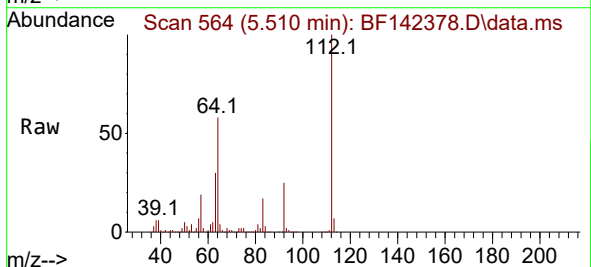
Instrument :
BNA_F
ClientSampleId :
TP-2B

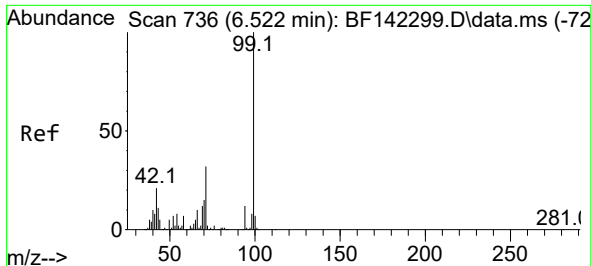
Tgt Ion:152 Resp: 213754
Ion Ratio Lower Upper
152 100
150 156.7 126.6 190.0
115 58.1 47.3 70.9



#5
2-Fluorophenol
Concen: 77.252 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF142378.D
Acq: 14 May 2025 21:06

Tgt Ion:112 Resp: 967326
Ion Ratio Lower Upper
112 100
64 58.1 48.9 73.3
63 30.1 25.6 38.4

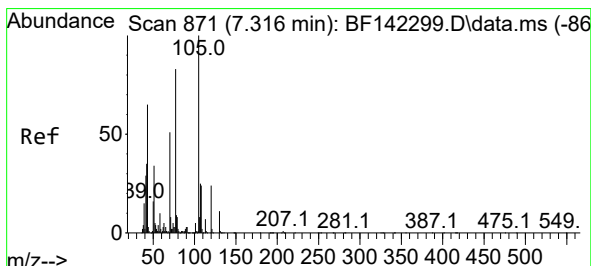
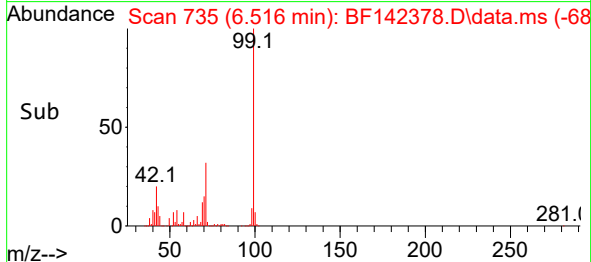
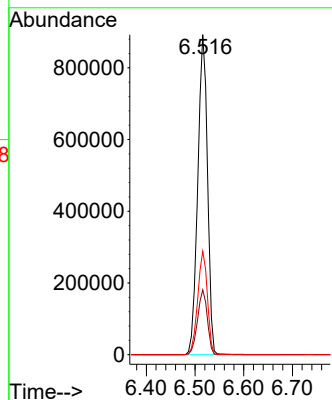
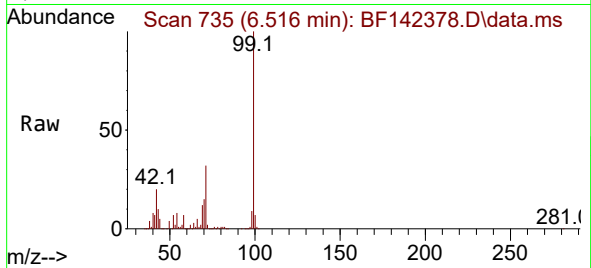




#7
Phenol-d6
Concen: 81.043 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142378.D
Acq: 14 May 2025 21:06

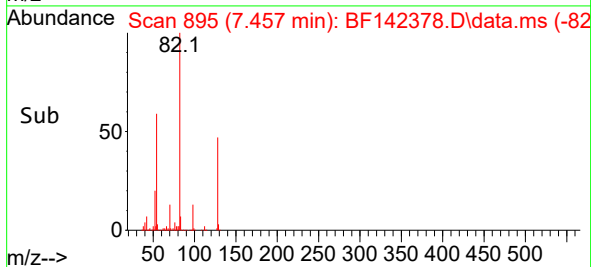
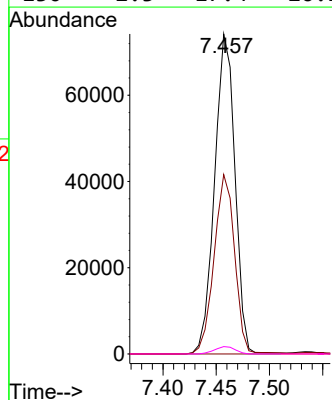
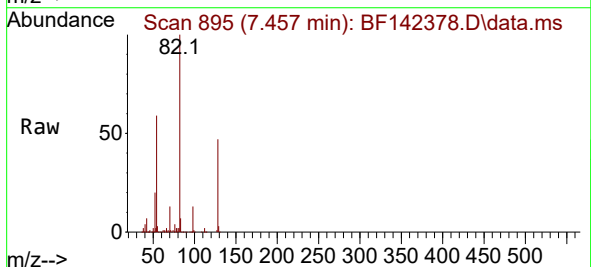
Instrument :
BNA_F
ClientSampleId :
TP-2B

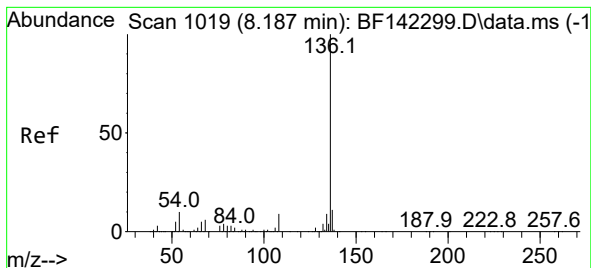
Tgt Ion: 99 Resp: 1248110
Ion Ratio Lower Upper
99 100
42 20.2 17.0 25.4
71 32.3 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 10.330 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF142378.D
Acq: 14 May 2025 21:06

Tgt Ion: 70 Resp: 98404
Ion Ratio Lower Upper
70 100
42 56.1 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: 8.181 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF142378.D

Acq: 14 May 2025 21:06

Instrument :

BNA_F

ClientSampleId :

TP-2B

Tgt Ion:136 Resp: 843294

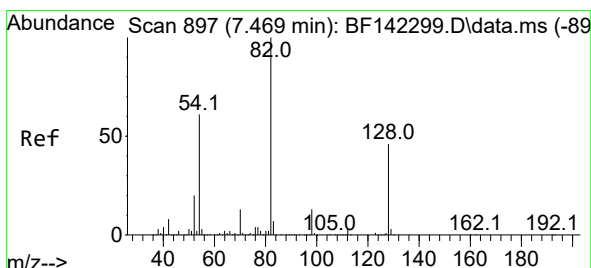
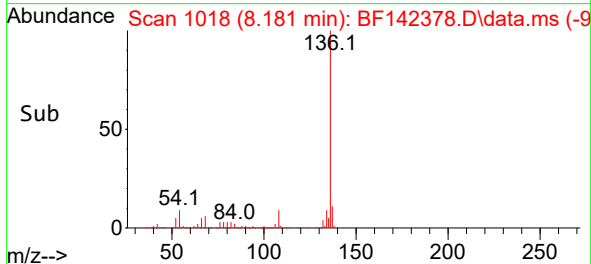
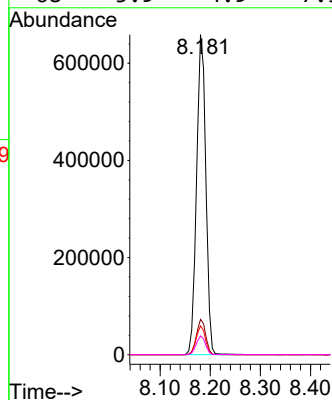
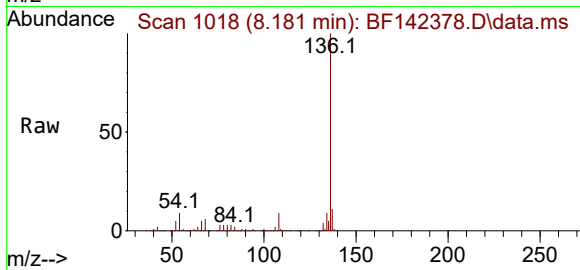
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 9.0 7.7 11.5

68 5.9 4.9 7.3



#23

Nitrobenzene-d5

Concen: 54.348 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF142378.D

Acq: 14 May 2025 21:06

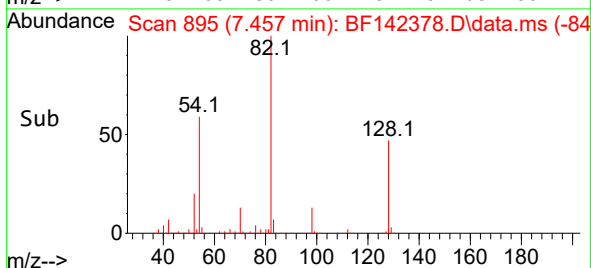
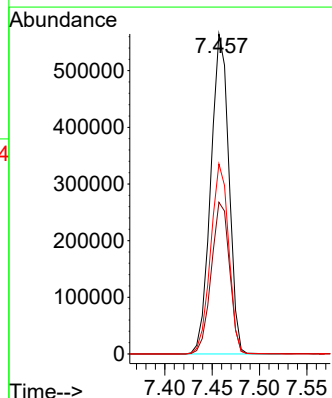
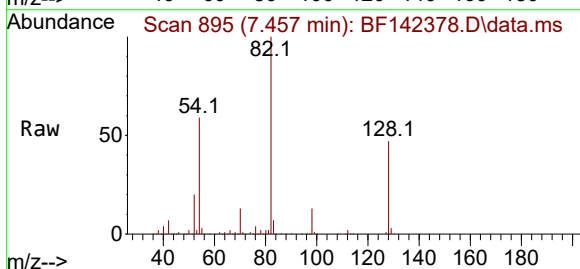
Tgt Ion: 82 Resp: 751490

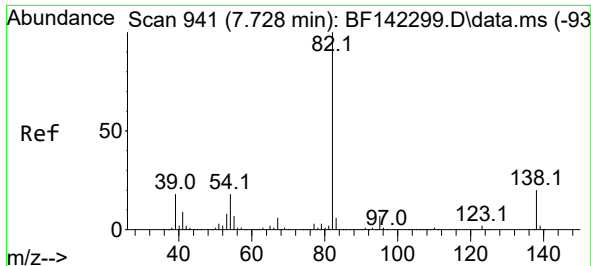
Ion Ratio Lower Upper

82 100

128 47.4 37.0 55.6

54 59.4 48.6 73.0

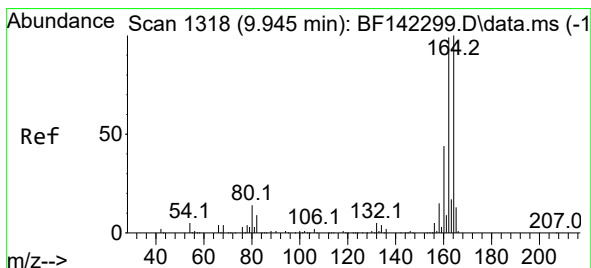
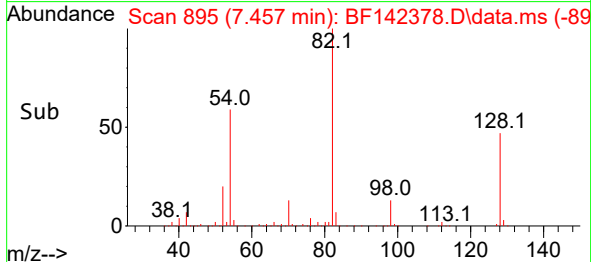
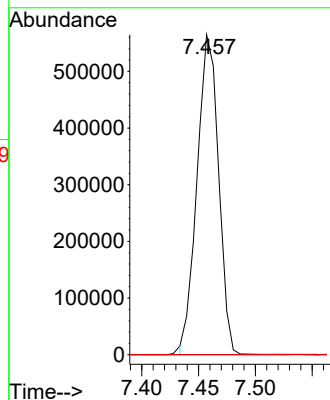
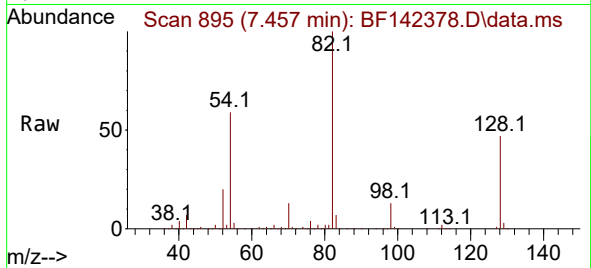




#25
Isophorone
Concen: 28.368 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF142378.D
Acq: 14 May 2025 21:06

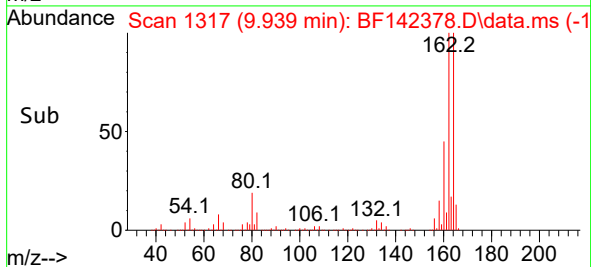
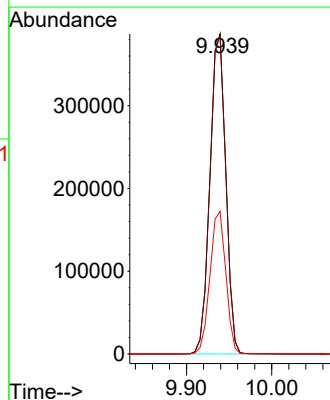
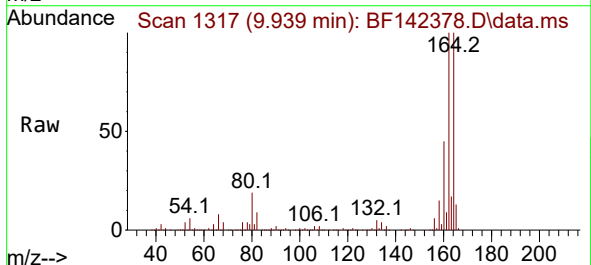
Instrument :
BNA_F
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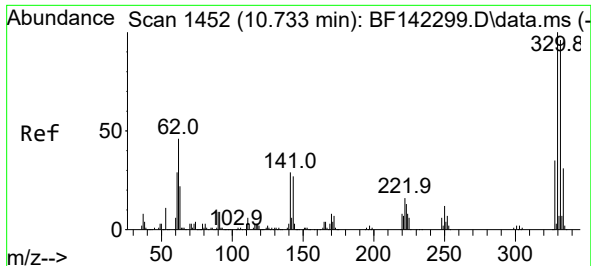
Tgt Ion: 82 Resp: 742791
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142378.D
Acq: 14 May 2025 21:06

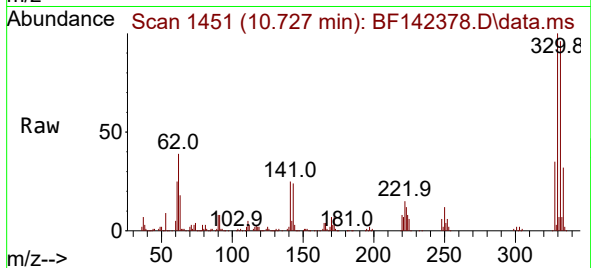
Tgt Ion:164 Resp: 499403
Ion Ratio Lower Upper
164 100
162 99.7 79.2 118.8
160 44.6 35.3 52.9



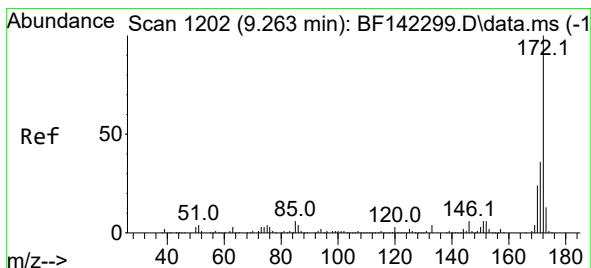
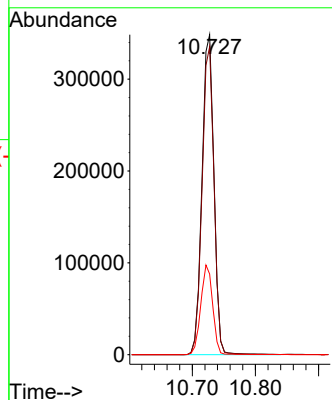
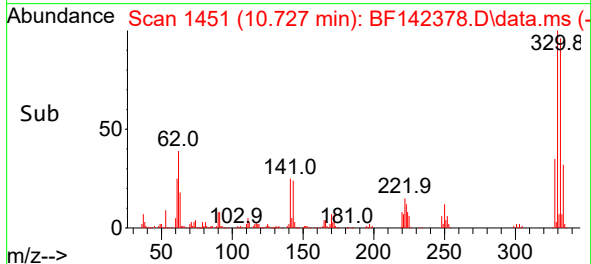


#42
2,4,6-Tribromophenol
Concen: 94.776 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142378.D
Acq: 14 May 2025 21:06

Instrument :
BNA_F
ClientSampleId :
TP-2B

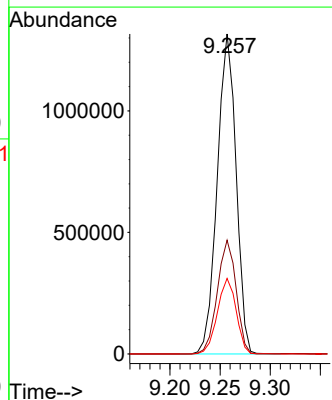
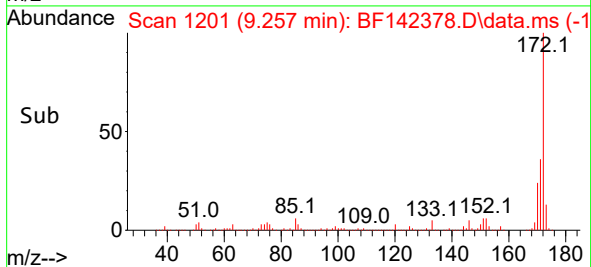
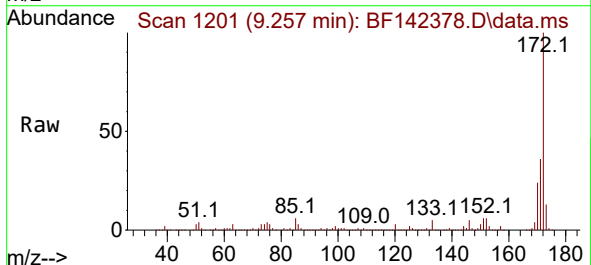


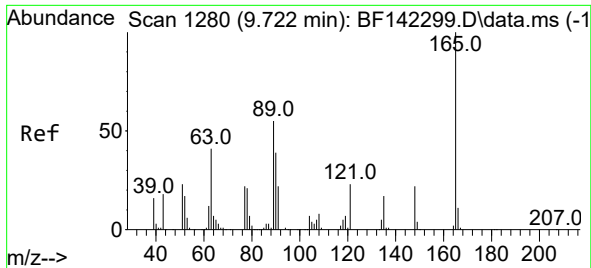
Tgt Ion:330 Resp: 456974
Ion Ratio Lower Upper
330 100
332 96.0 76.8 115.2
141 28.0 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 49.127 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142378.D
Acq: 14 May 2025 21:06

Tgt Ion:172 Resp: 1720635
Ion Ratio Lower Upper
172 100
171 35.5 28.6 42.8
170 23.6 19.0 28.4

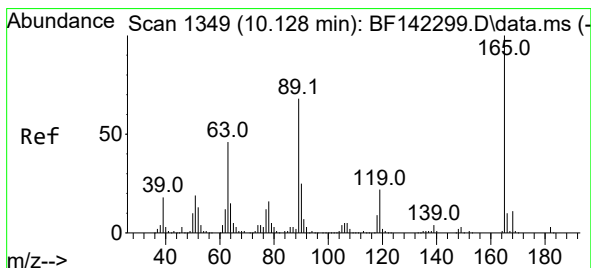
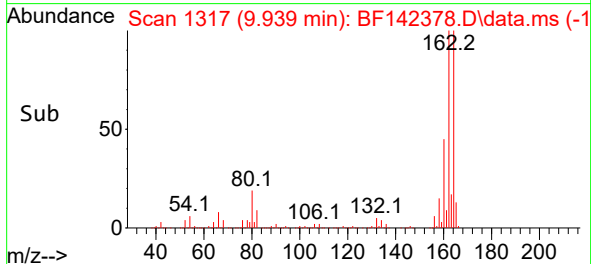
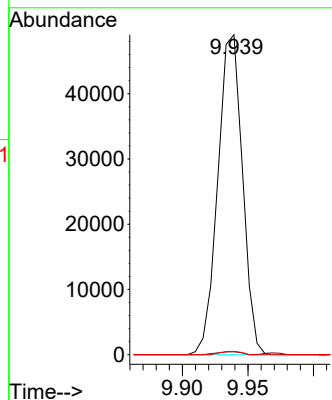
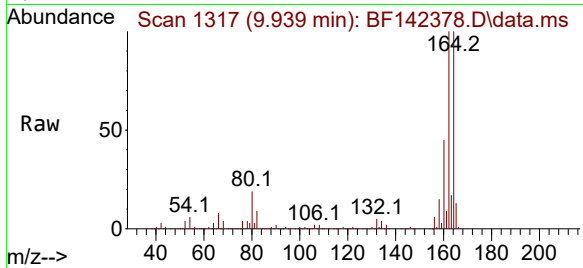




#51
2,6-Dinitrotoluene
Concen: 10.682 ng
RT: 9.939 min Scan# 1317
Delta R.T. 0.217 min
Lab File: BF142378.D
Acq: 14 May 2025 21:06

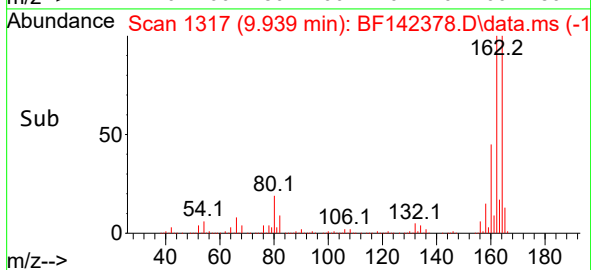
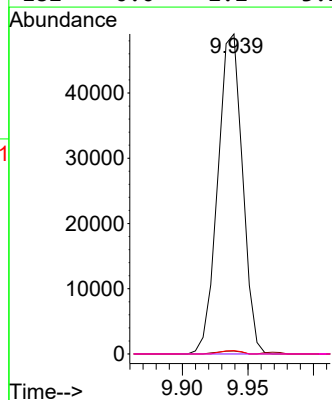
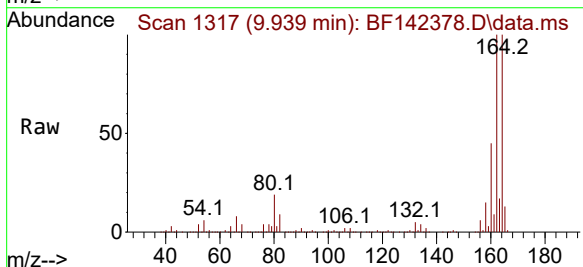
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TP-2B

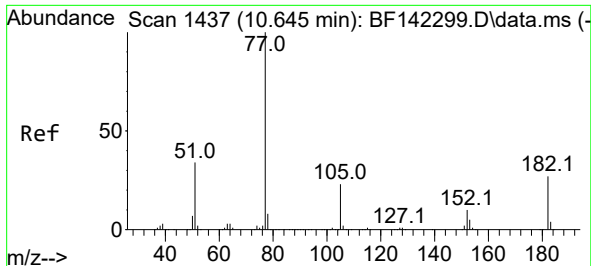
Tgt Ion:165 Resp: 64118
Ion Ratio Lower Upper
165 100
63 0.9 49.5 74.3#
89 1.0 44.6 66.8#



#57
2,4-Dinitrotoluene
Concen: 8.327 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.188 min
Lab File: BF142378.D
Acq: 14 May 2025 21:06

Tgt Ion:165 Resp: 64118
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#

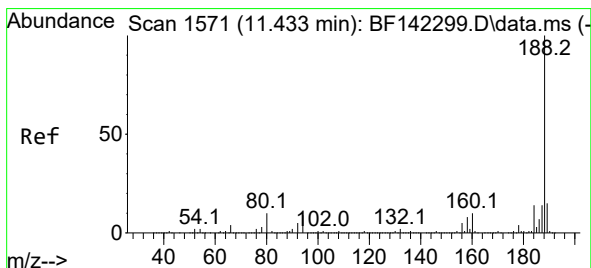
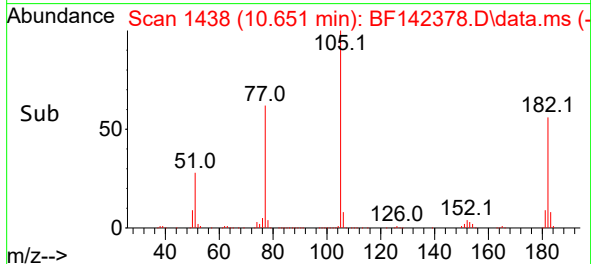
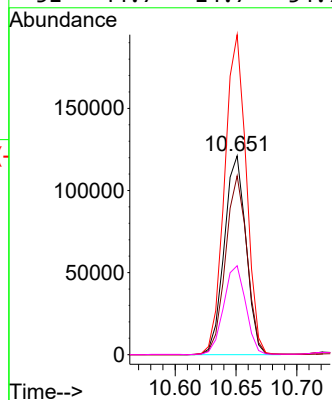
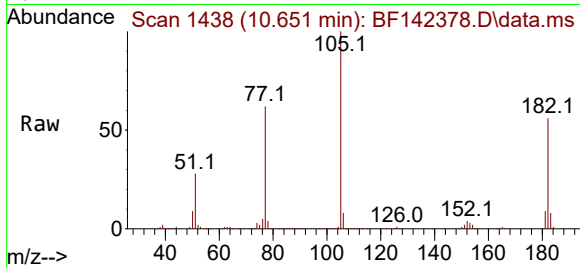




#63
Azobenzene
Concen: 4.945 ng
RT: 10.651 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF142378.D
Acq: 14 May 2025 21:06

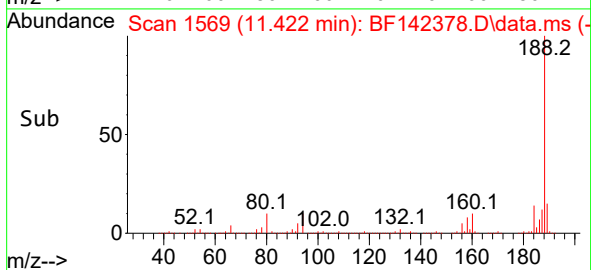
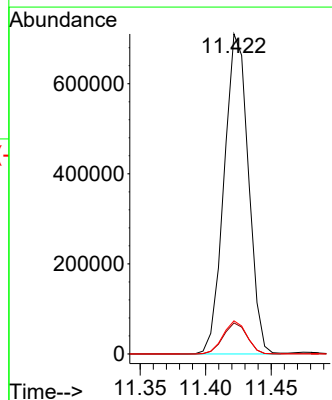
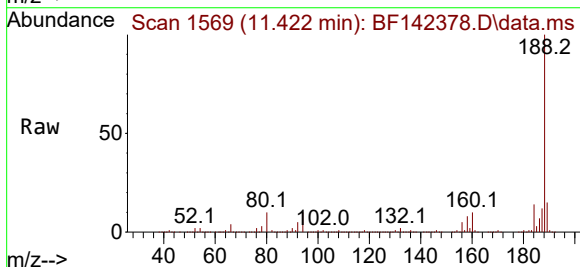
Instrument :
BNA_F
ClientSampleId :
TP-2B

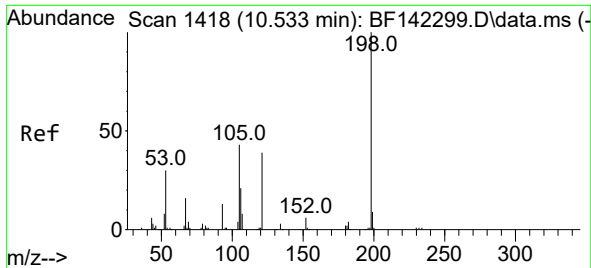
Tgt Ion: 77 Resp: 151339
Ion Ratio Lower Upper
77 100
182 90.0 6.9 46.9#
105 160.9 2.7 42.7#
51 44.7 14.7 54.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142378.D
Acq: 14 May 2025 21:06

Tgt Ion:188 Resp: 915623
Ion Ratio Lower Upper
188 100
94 9.7 7.5 11.3
80 10.3 7.9 11.9

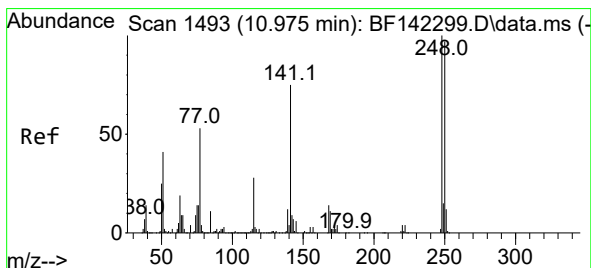
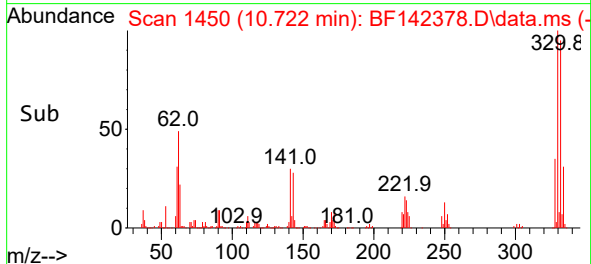
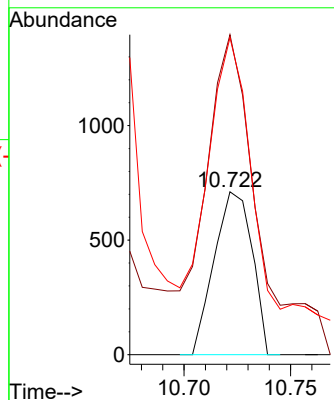
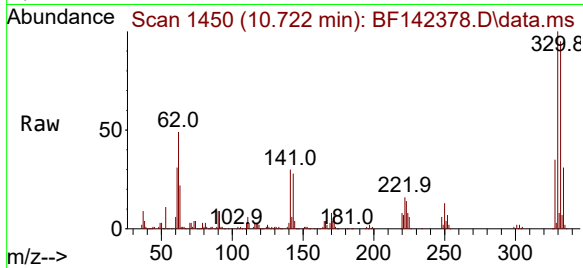




#65
4,6-Dinitro-2-methylphenol
Concen: 7.360 ng
RT: 10.722 min Scan# 1418
Delta R.T. 0.189 min
Lab File: BF142378.D
Acq: 14 May 2025 21:06

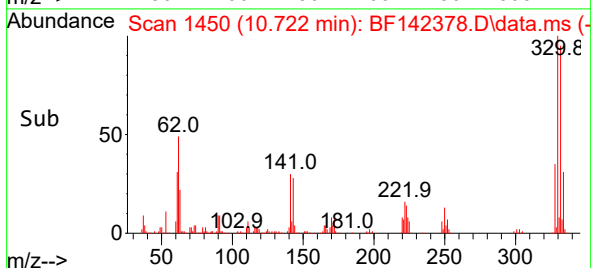
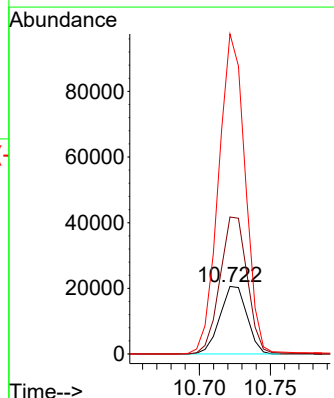
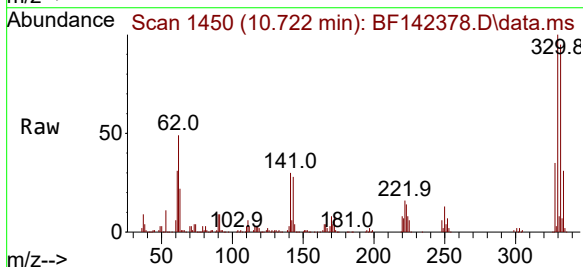
Instrument :
BNA_F
ClientSampleId :
TP-2B

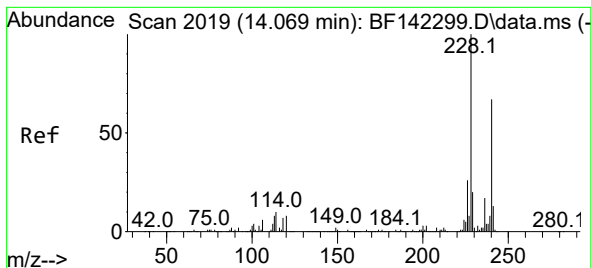
Tgt Ion:198 Resp: 880
Ion Ratio Lower Upper
198 100
51 196.5 32.9 72.9#
105 194.7 23.7 63.7#



#67
4-Bromophenyl-phenylether
Concen: 2.632 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.253 min
Lab File: BF142378.D
Acq: 14 May 2025 21:06

Tgt Ion:248 Resp: 27308
Ion Ratio Lower Upper
248 100
250 203.1 77.9 116.9#
141 474.2 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: BF142378.D

Acq: 14 May 2025 21:06

Instrument :

BNA_F

ClientSampleId :

TP-2B

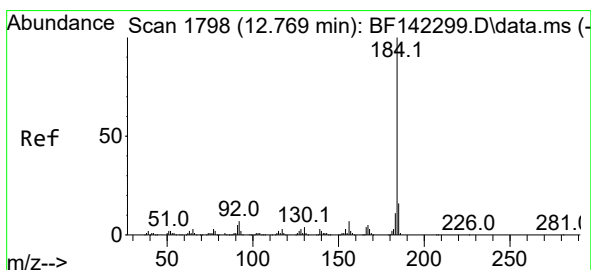
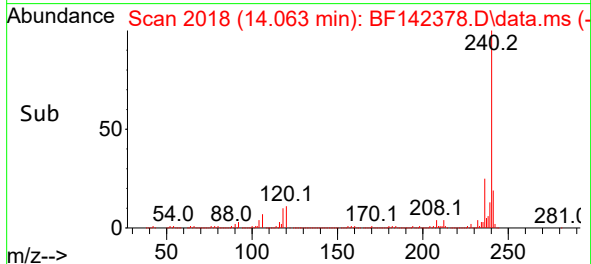
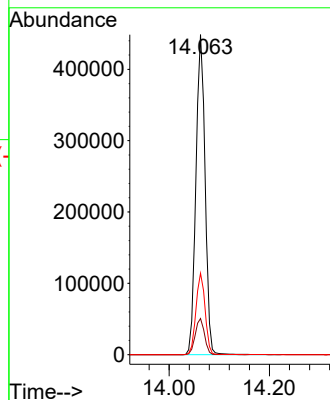
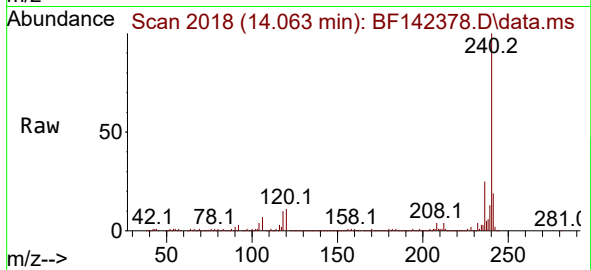
Tgt Ion:240 Resp: 567502

Ion Ratio Lower Upper

240 100

120 11.3 9.7 14.5

236 25.5 20.0 30.0



#77

Benzidine

Concen: 2.254 ng

RT: 13.010 min Scan# 1839

Delta R.T. 0.241 min

Lab File: BF142378.D

Acq: 14 May 2025 21:06

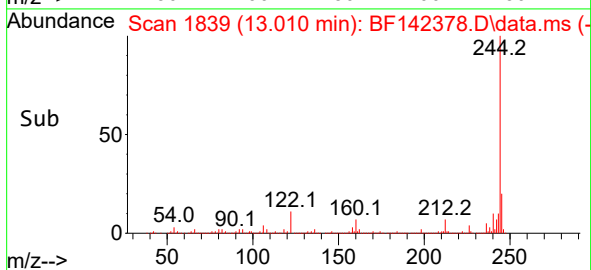
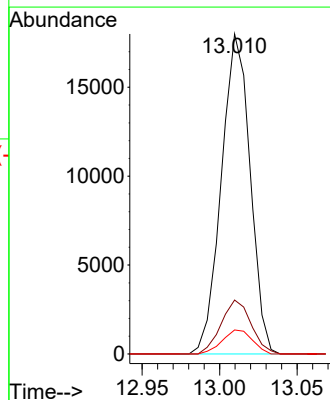
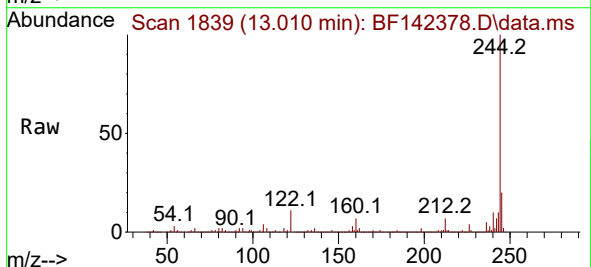
Tgt Ion:184 Resp: 23244

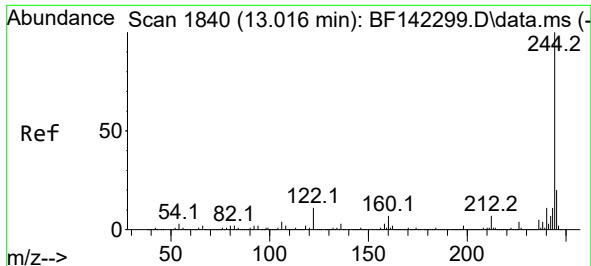
Ion Ratio Lower Upper

184 100

185 16.8 12.6 18.8

183 7.5 8.6 12.8#

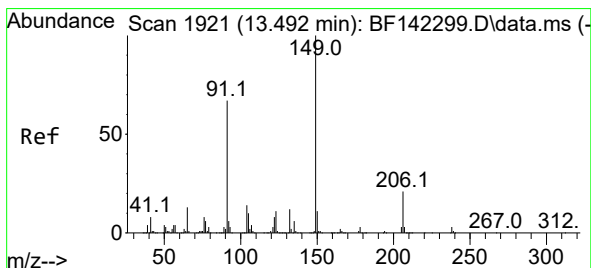
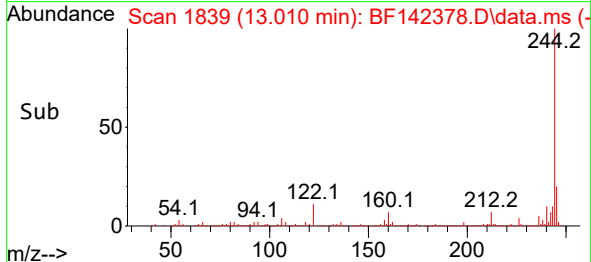
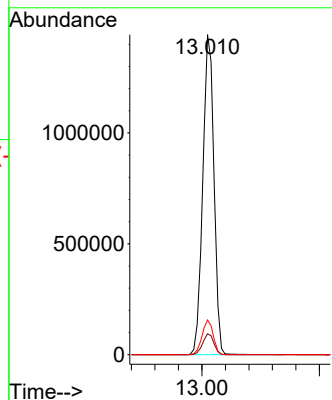
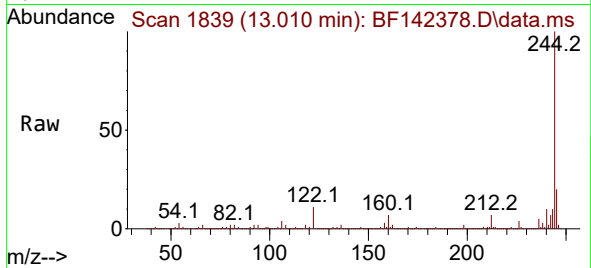




#79
 Terphenyl-d14
 Concen: 49.737 ng
 RT: 13.010 min Scan# 1840
 Delta R.T. -0.006 min
 Lab File: BF142378.D
 Acq: 14 May 2025 21:06

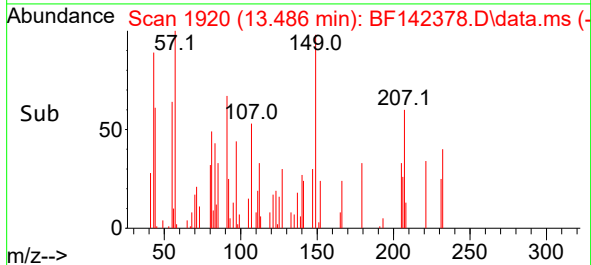
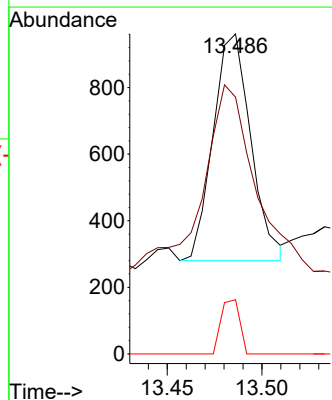
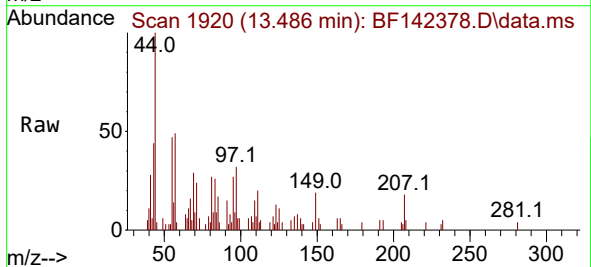
Instrument :
 BNA_F
 ClientSampleId :
 TP-2B

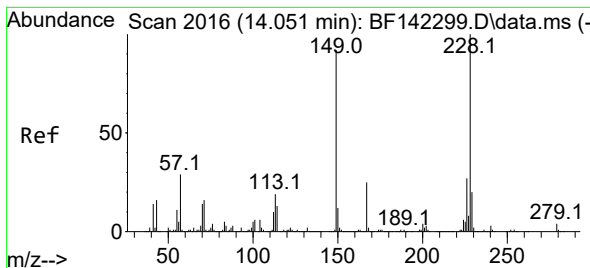
Tgt Ion:244 Resp: 1907000
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.2
 122 10.9 9.0 13.4



#80
 Butylbenzylphthalate
 Concen: 3.718 ng
 RT: 13.486 min Scan# 1920
 Delta R.T. -0.006 min
 Lab File: BF142378.D
 Acq: 14 May 2025 21:06

Tgt Ion:149 Resp: 942
 Ion Ratio Lower Upper
 149 100
 91 80.2 53.8 80.6
 206 17.0 16.6 24.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.556 ng

RT: 14.045 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF142378.D

Acq: 14 May 2025 21:06

Instrument :

BNA_F

ClientSampleId :

TP-2B

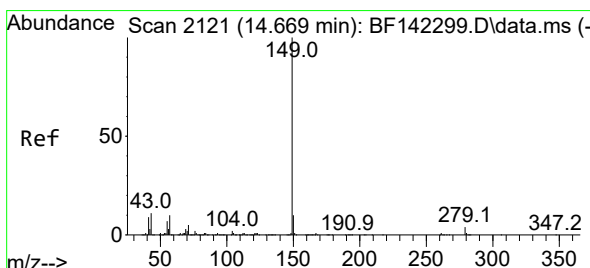
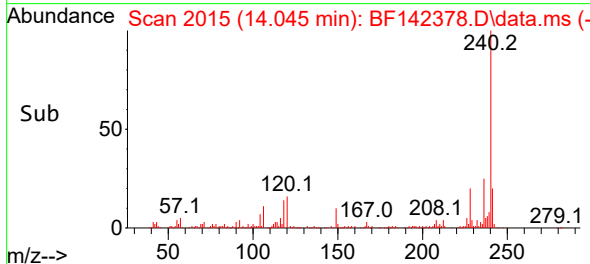
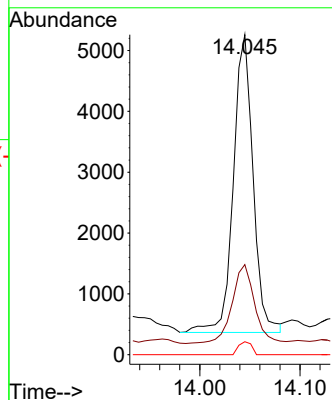
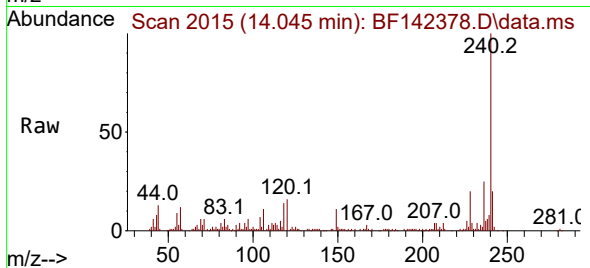
Tgt Ion:149 Resp: 6715

Ion Ratio Lower Upper

149 100

167 28.2 22.0 33.0

279 4.0 3.0 4.6



#85

Di-n-octyl phthalate

Concen: 7.867 ng

RT: 14.657 min Scan# 2119

Delta R.T. -0.012 min

Lab File: BF142378.D

Acq: 14 May 2025 21:06

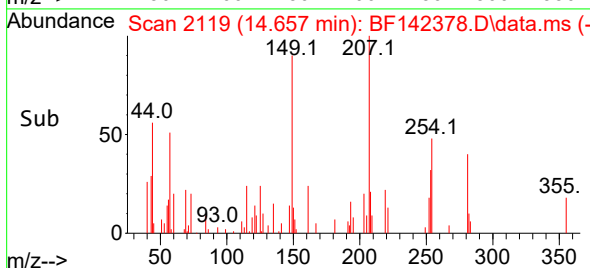
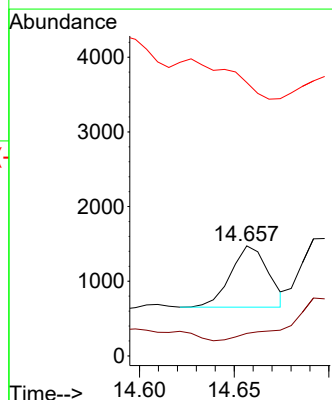
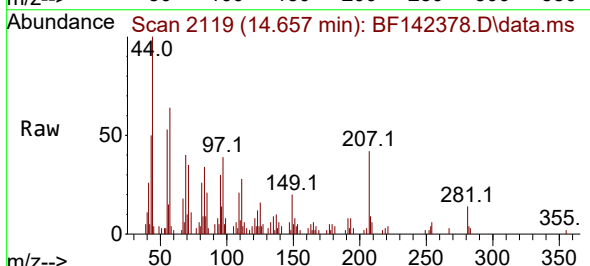
Tgt Ion:149 Resp: 1130

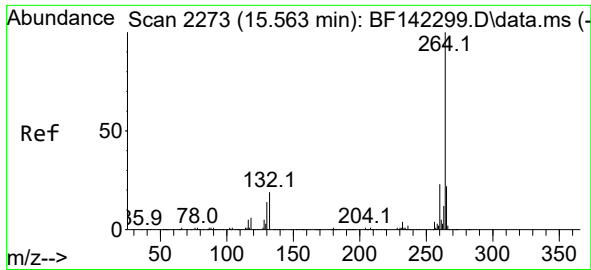
Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

43 0.0 9.2 13.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF142378.D

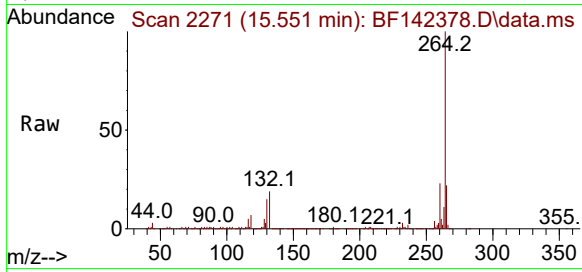
Acq: 14 May 2025 21:06

Instrument :

BNA_F

ClientSampleId :

TP-2B



Tgt Ion:264 Resp: 470991

Ion Ratio Lower Upper

264 100

260 23.4 18.6 27.8

265 21.9 17.5 26.3

